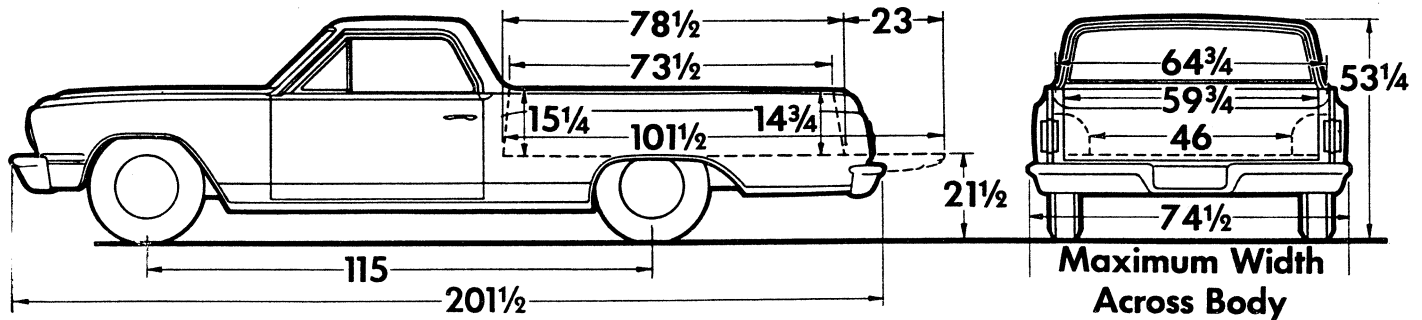


# EL CAMINO PICKUPS

GVW Rating: 4300 lb

## DIMENSIONS (With std equipment, unloaded)



### MODELS 13380-13580 (6-cyl)

| Model     | Curb Weight |      |       | Body-Payload Wt. Dist. |      |
|-----------|-------------|------|-------|------------------------|------|
|           | Front       | Rear | Total | Front                  | Rear |
| 133-13580 | 1655        | 1450 | 3105  | 0%                     | 100% |

### MODELS 13480-13680 (8-cyl)

| Model     | Curb Weight |      |       | Body-Payload Wt. Dist. |      |
|-----------|-------------|------|-------|------------------------|------|
|           | Front       | Rear | Total | Front                  | Rear |
| 134-13680 | 1765        | 1470 | 3235  | 0%                     | 100% |

# EL CAMINO PICKUPS

## STANDARD EQUIPMENT

**Air Cleaner:** *6000*

Models 133-13580; oil-wetted polyurethane element  
 Models 134-13680; oiled-paper element

**Axle Rear:** Hypoid; capacity 2700 lb

Models 133-13580; ratio 3.36  
 Models 134-13680; ratio 3.08

**Battery:** 12-volt; capacity 44 amp-hr

**Body:** El Camino

**Brake, Parking:** Cable to rear wheels

**Brakes, Service:** Hydraulic; self-adjusting

Sizes: front 9½" x 2½"; rear 9½" x 2"  
 Effective area: drum 228½ sq in; lining 172¾ sq in

**Bumper:** Front and rear; chrome plated

**Cab:** See *Cabs & Bodies* section

**Carburetor:**

Models 133-13580; single-barrel downdraft  
 Models 134-13680; two-barrel downdraft

**Clutch:**

Models 133-13580; diameter 9½"; area 72 sq in  
 Models 134-13680; diameter 10"; area 91 sq in

**Cooling:**

Models 133-13580; capacity 11½ qt; 1¼" radiator core; 255-sq-in area; 13½-lb pressure cap; 180° thermostat  
 Models 134-13680; capacity 17 qt; 1¼" radiator core; 357-sq-in area; 13-lb pressure cap; 180° thermostat

**Controls & Instruments:** Light switch; headlight beam control; speedometer; odometer; fuel gauge  
 Lights for generator, oil pressure, engine temperature, direction signals and high beam indicator

**Direction Signals:** Front and rear

**Engine:**

Models 133-13580; 194 Hi-Thrift Six; positive crankcase ventilation

Models 134-13680; 283 Turbo-Fire V8 (2-bbl); positive crankcase ventilation

|                         | 194 Six        | 283 V8         |
|-------------------------|----------------|----------------|
| Gross horsepower . . .  | 120 @ 4400 rpm | 195 @ 4800 rpm |
| Net horsepower . . . .  | 95 @ 4400 rpm  | 150 @ 4400 rpm |
| Gross torque, lb-ft . . | 177 @ 2400 rpm | 285 @ 2400 rpm |
| Net torque, lb-ft . . . | 155 @ 2000 rpm | 245 @ 2400 rpm |

**Exhaust System:** Single pipe & aluminized muffler

**Filter, Fuel:** Plastic strainer in fuel tank and bronze filter in carburetor

**Filter, Oil:** Full-flow

**Frame:** Carbon steel; perimeter

**Generator:** 37-amp Delcotron

**GVW Plate:** 4300 lb

**Heater & Defroster**

**Lights:** Head, parking, tail, rear license carrier, stop; dome, instrument panel, back-up and glove box (13580 & 13680 only)

**Mirror, Interior:** Rearview

**Seat Belts:** Driver & passenger

**Shock Absorbers, Front:** 1" diameter

**Shock Absorbers, Rear:** 1" diameter; air-booster type

**Springs, Front:** Coil; capacity 950 lb each at ground

**Springs, Rear:** Coil; capacity 1100 lb each at ground

**Steering:** Ball-gear, ratio 24:1; wheel dia 16½"

**Suspension, Front:** Independent; capacity 1900 lb

**Tank, Fuel:** Capacity 20 gallons

**Tires:** Five tubeless 7.35-14/4PR front, single rear and spare

**Tools:** Mechanical jack; wheel wrench

**Transmission:** 3-speed synchromesh; steering column gearshift; ratios 2.94, 1.68, 1.00, 2.94 (rev)

**Wheels:** Five 14" x 5.00"; bolt attachment; spare carrier behind seat; 4 bright-metal hub caps

**Windshield Wipers:** Electric; single-speed

## GVW SELECTOR

| GVW Rating | Chassis Equipment Required for GVW Rating |
|------------|---|
| 4300 lb    | Standard                                  |

**Note:** Be sure to recommend adequate springs and tires for total axle loads. See *Optional Equipment and Tire & Wheel Combination* pages.

# EL CAMINO PICKUPS

## OPTIONAL EQUIPMENT

For dealer-installed equipment, see *Custom Features* section.

|  |     |  |  |     |
|--|-----|--|--|-----|
| <b>Air Conditioning, Four-Season:</b> Incl 55-amp Delcotron, HD radiator and temp-controlled radiator fan.....   | C60 | <b>Generator, Alternating Current:</b>   | 42-amp Delcotron.....                      | K79 |
| <b>Axle, Rear:</b> 3.36 ratio; with standard 8-cyl engine and standard 3-speed transmission only; incl with air conditioning.....                            | G76 |  | 55-amp Delcotron (Incl with air cond)..... | K77 |
| Ratio 3.70; with std 8-cyl engine only; included with overdrive transmission.....  | G75 |  | 62-amp Delcotron.....                      | K81 |
| Ratio 3.73; with optional 250-hp or 300-hp engines and 3-spd or 4-spd transmissions only.....  | H05 | <b>Glass, Soft Ray Tinted:</b>   | All windows.....                           | A01 |
| <b>Axle, Positraction Rear</b> .....   | G80 |  | Windshield only.....                       | A02 |
| <b>Battery:</b> HD; 66-plate, 70 amp-hr.....   | T60 | <b>Guard:</b> Front bumper.....  |  | V31 |
| <b>Belts, Seat:</b> Driver & passenger Custom DeLuxe with retractors.....  | A49 | <b>Heater &amp; Defroster Deletion:</b> Not available with air conditioning.....   |  | C48 |
| Deletion.....  | A62 | <b>Horn, Electric:</b> Tri-Volume.....   |  | U03 |
| <b>Brakes, Special:</b> Metallic facings.....  | J65 | <b>Ignition System, Transistorized:</b> Available with 350-hp engine only.....   |  | K66 |
| <b>Brakes, Vacuum Power</b> .....  | J50 | <b>Instrument Panel, Padded</b> .....  |  | B70 |
| <b>Clutch, Heavy-Duty:</b> Models 133-13580 with std 6-cyl engine only.....  | M01 | <b>Level Control, Automatic</b> .....  |  | G67 |
| <b>Comfort &amp; Convenience Equipment Type "A":</b> Incl outside mirror; inside non-glare mirror and 2-spd electric wipers and washer Models 135-13680..... | Z01 | <b>Lock, Spare Wheel</b> .....   |  | P19 |
| Models 133-13480. Also incl back-up lights and glove compartment light.....  | Z01 | <b>Paint, Exterior:</b> Solid color; see <i>Colors</i> section, page 7   |  |     |
| <b>Comfort &amp; Convenience Equipment Type "B":</b> Identical to Type "A" except outside rear-view mirror is remote control.....                            | Z13 | <b>Radiator, Heavy-Duty:</b> Not available with air conditioning or transmission oil cooler.....   |  | V01 |
| <b>Cooler, Transmission Oil:</b> With 6-cylinder engine and Powerglide transmission only. Recommended for stop-and-go driving.....                           | M55 | <b>Radio:</b> Fully transistorized   |  |     |
| <b>Engines:</b>  |     | Manual control; front antenna.....   |  | U60 |
| Models 133-13580; 230 Turbo-Thrift Six.....  | L26 | Pushbutton control; front antenna.....   |  | U63 |
| Models 134-13680; 250-hp 327 Turbo-Fire V8; includes 3.07 ratio rear axle.....   | L30 | <b>Radio, AM-FM:</b> Pushbutton control; front antenna.....  |  | U69 |
| 220-hp 283 Turbo-Fire V-8.....   | L77 | <b>Seats, Bucket-Type:</b> Models 135-13680 only. Includes special Super Sport type wheel covers. A console is also included when the 4-spd transmission is ordered with 8-cyl engine. See <i>Colors</i> section, page 8, for option-trim code numbers |  |     |
| 300-hp 327 Turbo-Fire V8; includes 3.07 ratio rear axle with Powerglide transmission, 3.31 ratio with 3-spd or 4-spd transmission.....                       | L74 | <b>Steering, Power</b> .....   |  | N40 |
| 350-hp 327 Turbo-Fire V8; includes 3.31 ratio rear axle, available with 3-speed or 4-speed transmission only.....  | L79 | <b>Steering Wheel:</b> Sports-styled walnut-grained plastic rim.....   |  | N34 |
|  |     | <b>Steering Wheel, Comfortilt:</b> (seven-position) Powerglide or 4-speed transmission required.....   |  | N33 |
|  |     | <b>Suspension, Special Front &amp; Rear:</b> Includes special front springs and 2700-lb capacity rear springs.....   |  | F40 |
|  |     | <b>Tachometer:</b> Electric; 8-cylinder models.....  |  | U16 |
|  |     | <b>Transmissions:</b>  |  |     |
|  |     | 4-speed synchromesh; with 8-cyl engines only, includes 10½" clutch.....  |  | M20 |
|  |     | Overdrive; with standard 3-speed transmission and std 6-cyl or 8-cyl engines only; includes 3.70 ratio rear axle; not available with 327 V8 engines.....   |  | M10 |
|  |     | Powerglide; not available with 350-hp engine..   |  | M35 |
|  |     | <b>Ventilation, Closed Engine Positive</b> .....   |  | K24 |
|  |     | <b>Wheel Covers:</b> Four, bright metal; not available with bucket seats.....  |  | P01 |
|  |     | <b>Wheel Covers, Simulated Wire</b> .....  |  | P02 |
|  |     | <b>Windows, Power</b> .....  |  | A31 |

→Indicates revised specifications.

# EL CAMINO PICKUPS

## TIRE & WHEEL COMBINATIONS

| <b>TUBELESS TIRES</b>          | <b>Tire Cap.</b> | <b>Type of Wheel</b> | <b>Rim Width</b> | <b>Opt. No.</b> |
|--------------------------------|------------------|----------------------|------------------|-----------------|
| <i>PASSENGER CAR TYPE</i>      |                  |                      |                  |                 |
| 7.35-14/4PR—Regular Blackwall  | 1020             | Disc                 | 5.0              | Std             |
| 7.35-14/4PR—Regular Whitewall  | 1020             | Disc                 | 5.0              | P58             |
| 7.75-14/4PR—Regular Blackwall  | 1120             | Disc                 | 5.0              | P65             |
| 7.75-14/4PR—Regular Whitewall  | 1120             | Disc                 | 5.0              | P62             |
| 7.75-14/4PR—Nylon Blackwall    | 1120             | Disc                 | 5.0              | P60             |
| 7.75-14/4PR—Nylon Whitewall    | 1120             | Disc                 | 5.0              | P61             |
| →7.75-14/8PR—Regular Blackwall | 1420             | Disc                 | 5.0              | P14             |

→ Indicates revised specifications.



# SECTION IV

# TRUCKS

## 1965 MODEL CHEVROLET TRUCKS AND FACTORY INSTALLED OPTIONS & ACCESSORIES

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# EL CAMINO

## 1965 MODELS WITH STANDARD EQUIPMENT 115" Wheelbase

| Model Description                                   | Price at which Dealer is Invoiced (List Price less 19%) † | Factory D & H | List Price | Mfr's Sgt'd Dealer D & H | Mfr's Sgt'd Retail Price * | Destination Charge | Total |
|---|---|---------------|------------|--------------------------|----------------------------|--------------------|-------|
| <b>6-Cylinder—120-hp Hi-Thrift 194</b>              |   |               |            |                          |                            |                    |       |
| 13380 2-Door El Camino-3-Passenger . . . . .        | \$1679.13   | \$174.00      | \$2073.00  | \$25.00                  | \$2272.00                  |                    |       |
| 13580 2-Door Custom El Camino-3-Passenger . . . . . | 1739.88   | 180.00        | 2148.00    | 25.00                    | 2353.00                    |                    |       |
| <b>8-Cylinder—195-hp Turbo-Fire 283</b>             |   |               |            |                          |                            |                    |       |
| 13480 2-Door El Camino-3-Passenger . . . . .        | 1760.13   | 182.00        | 2173.00    | 25.00                    | 2380.00                    |                    |       |
| 13680 2-Door Custom El Camino-3-Passenger . . . . . | 1820.88   | 188.00        | 2248.00    | 25.00                    | 2461.00                    |                    |       |

† Base discount is 21% with the 2% difference retained for dealer's account in accordance with Dealer Price List.  
\* Manufacturer's Suggested Retail Prices do not include state and local taxes, license fees, options or accessories.

### OPTIONAL TIRES FOR EL CAMINO Factory Installed Regular Production Tires

| Description  | Ordering Column 34-35 Code | Option Number | Dealer Net | Factory D & H | List Price | Mfr's Suggested Retail Delivered Price † |
|--|----------------------------|---------------|------------|---------------|------------|--|
| <b>TUBELESS TIRES</b>  |                            |               |            |               |            |  |
| <b>Replaces (5) 7.35-14/2Ply (4PR) Regular Highway Blackwall</b> |                            |               |            |               |            |  |
| (5) 7.35-14/2Ply (4PR) Regular Highway Whitewall . . . . .       | 26                         | P58           | \$22.80    | \$ 1.90       | \$30.00    | \$31.90                                  |
| (5) 7.75-14/2Ply (4PR) Regular Highway Blackwall . . . . .       | 36                         | P65           | 10.64      | .45           | 14.00      | 14.45                                    |
| (5) 7.75-14/2Ply (4PR) Regular Highway Whitewall . . . . .       | 32                         | P62           | 33.44      | 2.30          | 44.00      | 46.30                                    |
| (5) 7.75-14/4Ply (4PR) Nylon Highway Blackwall . . . . .         | 30                         | P60           | 22.04      | 2.45          | 29.00      | 31.45                                    |
| (5) 7.75-14/4Ply (4PR) Nylon Highway Whitewall . . . . .         | 31                         | P61           | 46.36      | 4.40          | 61.00      | 65.40                                    |
| # (5) 7.75-14/4Ply (8PR) Regular Highway Blackwall . . . . .     | 33                         | T14           | 41.80      | 5.55          | 55.00      | 60.55                                    |

### OPTIONS & ACCESSORIES WHEN INSTALLED BY CHEVROLET

| Description   | Ordering Col-Code | Option Number | Dealer Net | Factory D & H | List Price | Mfr's Suggested Retail Delivered Price † |
|---|-------------------|---------------|------------|---------------|------------|--|
| <b>Air Conditioning, Four-Season:</b> Includes 55-amp Delcotron, heavy-duty radiator, temperature-controlled radiator fan . . . . . | 52-1              | C60           | \$256.88   | \$25.70       | \$338.00   | \$363.70                                 |
| <b>Axle, Rear:</b> See Power Teams chart for availability   |                   |               |            |               |            |  |
| 3.36 ratio (included when air conditioning is ordered) . . . . .  | 32-2              | G76           | 1.52       | .20           | 2.00       | 2.20                                     |
| 3.70 ratio . . . . .  | 32-1              | G75           | N.C.       | N.C.          | N.C.       | N.C.                                     |
| 3.73 ratio . . . . .  | 32-4              | H05           | N.C.       | N.C.          | N.C.       | N.C.                                     |
| <b>Axle, Positraction Rear:</b> When desired, optional ratio must also be ordered separately . . . . .                              | 31-1              | G80           | 26.60      | 2.70          | 35.00      | 37.70                                    |
| <b>Battery, Heavy-Duty:</b> 66-plate, 70 amp-hr . . . . .   | 36-1              | T60           | 5.32       | .55           | 7.00       | 7.55                                     |

† State and local taxes not included.

# EL CAMINO

## OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

| Description  | Ordering Col-Code | Option Number | Dealer Net | Factory D & H | List Price | Mfr's Suggested Retail Delivered Price ♦ |
|--|-------------------|---------------|------------|---------------|------------|--|
| <b>Belts, Front Seat:</b> Driver & passenger   |                   |               |            |               |            |  |
| Custom De Luxe with retractors   | 51-2              | A49           | \$ 5.32    |               |            |  |
| Deletion   | 51-1              | A62           | 7.90 CR.   | 1.00 CR.      | 10.00 CR.  | 11.00 CR.                                |
| <b>Brakes, Special:</b> Metallic facings   | 40-1              | J65           | 26.60      | 2.70          | 35.00      | 37.70                                    |
| <b>Brakes, Vacuum Power</b>  | 33-2              | J50           | 30.40      | 3.05          | 40.00      | 43.05                                    |
| <b>Clutch, Heavy-Duty:</b> Available on 6-cyl 13380 and 13580 Models only  | 41-2              | M01           | 3.80       | .40           | 5.00       | 5.40                                     |
| <b>Comfort &amp; Convenience Equipment Type "A":</b><br>Includes outside rearview mirror; inside non-glare mirror and 2-sp electric windshield wipers and washer |                   |               |            |               |            |  |
| 13580 and 13680 Models   | 47-1              | Z01           | 21.28      | 2.15          | 28.00      | 30.15                                    |
| 13380 and 13480 Models. Also includes back-up lights and glove compartment light   | 47-1              | Z01           | 28.88      | 2.90          | 38.00      | 40.90                                    |
| <b>Comfort &amp; Convenience Equipment Type "B":</b><br>Identical to Type "A" except outside rearview mirror is remote control                                   |                   |               |            |               |            |  |
| 13580 and 13680 Models   | 47-2              | Z13           | 28.12      | 2.85          | 37.00      | 39.85                                    |
| 13380 and 13480 Models   | 47-2              | Z13           | 35.72      | 3.60          | 47.00      | 50.60                                    |
| <b>Cooler, Transmission Oil:</b> (6-cylinder 120-hp engine only). Available only when Powerglide transmission is ordered. Recommended for stop-and-go driving    | 41-4              | M55           | 11.40      | 1.15          | 15.00      | 16.15                                    |
| <b>Engines:</b> For transmission availability see El Camino Power Teams Chart  |                   |               |            |               |            |  |
| 140-hp 6-cylinder, 13380 and 13580 Models  | 30-1              | L26           | 19.00      | 1.90          | 25.00      | 26.90                                    |
| 220-hp 8-cylinder, 13480 and 13680 Models  | 30-L              | L77           | 38.00      | 3.80          | 50.00      | 53.80                                    |
| 300-hp 8-cylinder, 13480 and 13680 Models  | 30-3              | L74           | 97.28      | 9.75          | 128.00     | 137.75                                   |
| 250-hp 8-cylinder, 13480 and 13680 Models  | 30-2              | L30           | 66.88      | 6.70          | 88.00      | 94.70                                    |
| 350-hp 8-cylinder, 13480 and 13680 Models  | 30-6              | L79           | 142.88     | 14.30         | 188.00     | 202.30                                   |
| <b>Exhaust, Dual:</b> For 250-hp engine only   | 38-5              | N10           | 15.20      | 1.55          | 20.00      | 21.55                                    |
| <b>Fan, Radiator:</b> 13480 and 13680 Series only. Temperature-controlled. Included with Four-Season air conditioning & optional 8-cyl engine                    | 41-1              | K02           | 11.40      | 1.15          | 15.00      | 16.15                                    |
| <b>Generator, Alternating Current:</b>   |                   |               |            |               |            |  |
| 42-amp Delcotron   | 39-1              | K79           | 7.60       | .80           | 10.00      | 10.80                                    |
| 55-amp Delcotron. Included with air conditioning   | 39-2              | K77           | 15.20      | 1.55          | 20.00      | 21.55                                    |
| 62-amp Delcotron   |                   |               |            |               |            |  |
| For use without air conditioning   | 39-3              | K81           | 53.20      | 5.35          | 70.00      | 75.35                                    |
| For use with air conditioning  | 39-3              | K81           | 45.60      | 4.60          | 60.00      | 64.60                                    |
| <b>Glass, Soft Ray Tinted:</b> All windows   | 48-2              | A01           | 22.04      | 2.25          | 29.00      | 31.25                                    |
| Windshield only  | 48-1              | A02           | 14.06      | 1.45          | 18.50      | 19.95                                    |
| <b>Guard, Front bumper</b>   | 56-1              | V31           | 6.84       | .70           | 9.00       | 9.70                                     |
| <b>Heater &amp; Defroster Deletion:</b> Not available with air conditioning  | 52-3              | C48           | 52.93 CR.  | 5.00 CR.      | 67.00 CR.  | 72.00 CR.                                |
| <b>Horn, Tri-Volume</b>  | 58-3              | U03           | 9.88       | 1.00          | 13.00      | 14.00                                    |
| <b>Ignition System, Transistorized:</b> Available with 350-hp engine only  | 36-4              | K66           | 53.20      | 5.35          | 70.00      | 75.35                                    |
| <b>Instrument Panel, Padded</b>  | 46-1              | B70           | 12.92      | 1.30          | 17.00      | 18.30                                    |
| <b>Level Control, Automatic:</b> Used in conjunction with std Superlift shock absorbers  | 37-A              | G67           | 34.20      | 3.45          | 45.00      | 48.45                                    |
| <b>Lock, Spare Wheel</b>   | 54-5              | P19           | 3.80       | .40           | 5.00       | 5.40                                     |
| <b>Paint, Exterior:</b> Solid colors   | ...               | ...           | N.C.       | N.C.          | N.C.       | N.C.                                     |
| <b>Radiator, Heavy-Duty:</b> Not available with air conditioning or transmission oil cooler  | 36-2              | V01           | 7.60       | .80           | 10.00      | 10.80                                    |
| <b>Radio:</b>  |                   |               |            |               |            |  |
| Manual control; front antenna  | 44-2              | U60           | 35.34      | 3.55          | 46.50      | 50.05                                    |
| Pushbutton control; front antenna  | 44-3              | U63           | 41.42      | 4.15          | 54.50      | 58.65                                    |
| AM-FM pushbutton control; front antenna  | 44-5              | U69           | 96.52      | 9.70          | 127.00     | 136.70                                   |
| <b>Seats, Bucket-Type:</b> Models 13580 & 13680 only<br>Includes special Super Sport type wheel covers   |                   |               |            |               |            |  |
| 3-speed or Powerglide transmission   | 57-8              | ...           | 69.92      | 7.00          | 92.00      | 99.00                                    |
| 4-speed transmission; also includes console  | 57-8              | ...           | 95.00      | 9.50          | 125.00     | 134.50                                   |
| <b>Steering, Power</b>   | 33-1              | N40           | 60.80      | 6.10          | 80.00      | 86.10                                    |
| <b>Steering Wheel:</b> Sports-styled walnut-grained plastic rim  | 50-3              | N34           | 22.80      | 2.30          | 30.00      | 32.30                                    |
| <b>Steering Wheel, Comfortilt:</b> (seven-position)<br>Powerglide or 4-speed transmission required   | 50-2              | N33           | 30.40      | 3.05          | 40.00      | 43.05                                    |
| <b>Suspension, Special Front &amp; Rear:</b><br>Includes special front springs and 2700-lb-capacity rear springs   | 37-2              | F40           | 2.66       | .30           | 3.50       | 3.80                                     |
| <b>Tachometer:</b> Mounted on instrument panel (8-cyl models)  | 38-3              | U16           | 34.20      | 3.45          | 45.00      | 48.45                                    |
| <b>Transmissions:</b>  |                   |               |            |               |            |  |
| 4-Speed synchromesh; 8-cyl models  | 29-3              | M20           | 133.00     | 13.30         | 175.00     | 188.30                                   |
| Overdrive (available with standard 6-cyl or 8-cyl engines only)  | 29-4              | M10           | 76.00      | 7.60          | 100.00     | 107.60                                   |
| Powerglide; 8-cyl models (not available with 350-hp engine)  | 29-1              | M35           | 140.60     | 14.10         | 185.00     | 199.10                                   |
| Powerglide; 6-cyl models   | 29-1              | M35           | 133.00     | 13.30         | 175.00     | 188.30                                   |
| <b>Ventilation, Closed Engine Positive:</b> Approved by State of California  | 42-1              | K24           | 3.80       | .40           | 5.00       | 5.40                                     |
| <b>Wheel Covers:</b> Four, bright metal  | 49-1              | P01           | 15.20      | 1.55          | 20.00      | 21.55                                    |
| <b>Wheel Covers, Simulated Wire:</b>   |                   |               |            |               |            |  |
| With bucket seats  | 49-2              | P02           | 40.28      | 4.05          | 53.00      | 57.05                                    |
| Without bucket seats   | 49-2              | P02           | 53.20      | 5.35          | 70.00      | 75.35                                    |
| <b>Windows, Power</b>  | 55-1              | A31           | 41.80      | 4.20          | 55.00      | 59.20                                    |

♦ State and local taxes not included.

# EL CAMINO COLOR & TRIM CHART

| INTERIOR TRIM CODES   |                                  |                 |               | EXTERIOR COLORS |              |                |           |            |             |                    |                    |                          |                         |                 |                  |
|---|----------------------------------|-----------------|---------------|-----------------|--------------|----------------|-----------|------------|-------------|--------------------|--------------------|--------------------------|-------------------------|-----------------|------------------|
| The following code must be shown on the order form for the desired interior trim.<br><br><b>A—AQUA</b><br><br><b>D—RED</b><br><br><b>F—FAWN</b> |                                  |                 |               | Solid           |              |                |           |            |             |                    |                    |                          |                         |                 |                  |
|   |                                  |                 |               | Tuxedo Black    | Ermine White | Madeira Maroon | Regal Red | Sierra Tan | Cameo Beige | Willow Green (Med) | Cypress Green (Dk) | Artesian Turquoise (Med) | Tahitian Turquoise (Dk) | Mist Blue (Med) | Danube Blue (Dk) |
| MODELS  |                                  | Int. Trim & RPO | Exterior Code | AA              | CC           | NN             | RR        | SS         | VV          | HH                 | JJ                 | KK                       | LL                      | DD              | EE               |
| <b>El Camino</b><br>13380-13480   | <b>V<br/>I<br/>N<br/>Y<br/>L</b> | Fawn            | 767           | F               | F            | F              | F         | F          | F           | F                  | F                  | F                        | F                       | F               | F                |
|   |                                  | Aqua            | 748           | A               | A            |                |           |            |             |                    |                    | A                        | A                       |                 |                  |
|   |                                  | Red             | 794           | D               | D            | D              | D         |            | D           |                    |                    |                          |                         |                 |                  |
| <b>Custom El Camino</b><br>13580-13680  | <b>C<br/>L<br/>O<br/>T<br/>H</b> | Fawn            | 763           | F               | F            | F              | F         | F          | F           | F                  | F                  | F                        | F                       | F               | F                |
|   |                                  | Aqua            | 750           | A               | A            |                |           |            |             |                    |                    | A                        | A                       |                 |                  |
|   |                                  | Red             | 772           | D               | D            | D              | D         |            | D           |                    |                    |                          |                         |                 |                  |
| <b>Custom El Camino</b><br>13580-13680<br>With optional<br>Bucket Seats   | <b>V<br/>I<br/>N<br/>Y<br/>L</b> | Fawn            | 717           | F               | F            | F              | F         | F          | F           | F                  | F                  | F                        | F                       | F               | F                |
|   |                                  | Aqua            | 724           | A               | A            |                |           |            |             |                    |                    | A                        | A                       |                 |                  |
|   |                                  | Red             | 726           | D               | D            | D              | D         |            | D           |                    |                    |                          |                         |                 |                  |

# EL CAMINO POWER TEAMS

## Engine, Transmission and Rear Axle Combinations

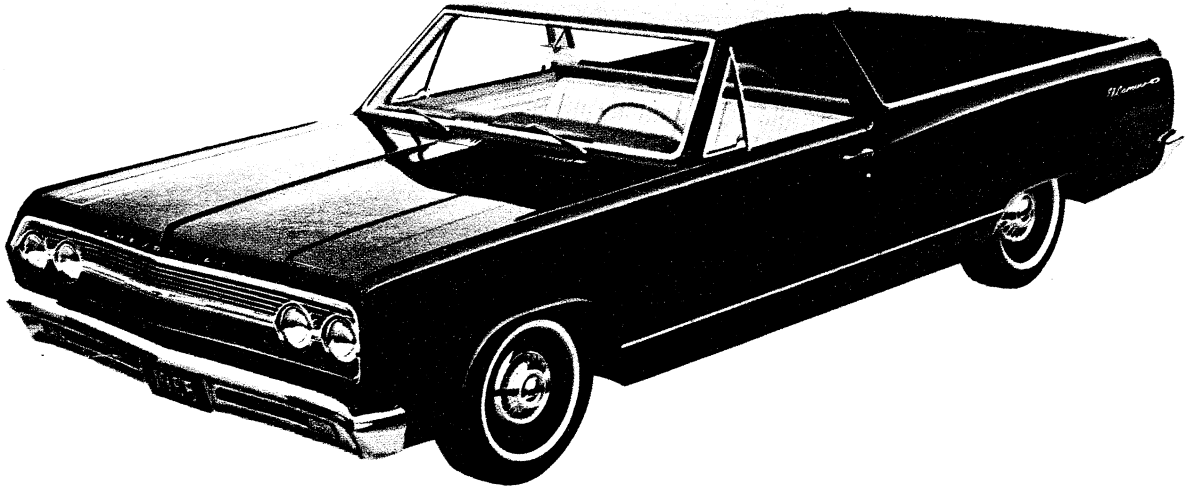
| ENGINE                       |   | TRANSMISSION           | REAR AXLE RATIOS  |                               |
|------------------------------|---|------------------------|-------------------|-------------------------------|
|                              |   |                        | Standard          | Optional                      |
| Option Number                | Description   |                        | General Purpose ♦ | Special Purpose or Mountain ♦ |
| Std on Models<br>133-13580   | <b>120-hp Hi-Thrift 194 6-Cylinder</b><br>194-cu-in displacement<br>Single-barrel carburetor<br>8.5:1 compression ratio<br>Hydraulic valve lifters  | 3-Speed                | 3.36:1            |                               |
|                              |   | Powerglide             | 3.36:1            |                               |
|                              |   | Overdrive              | 3.70:1            |                               |
| L26 on Models<br>133-13580   | <b>140-hp Turbo-Thrift 230 6-Cylinder</b><br>230-cu-in displacement<br>Single-barrel carburetor<br>8.5:1 compression ratio<br>Hydraulic valve lifters   | 3-Speed                | 3.36:1            |                               |
|                              |   | Powerglide             | 3.36:1            |                               |
|                              |   | Overdrive              | 3.70:1            |                               |
| Std on Models<br>134-13680   | <b>195-hp Turbo-Fire 283 8-Cylinder</b><br>283-cu-in displacement<br>2-barrel carburetor<br>9.25:1 compression ratio<br>Hydraulic valve lifters   | 3-Speed                | 3.08:1            | 3.36:1                        |
|                              |   | 4-Speed                | 3.08:1            | 3.70:1                        |
|                              |   | Powerglide             | 3.08:1            |                               |
|                              |   | Overdrive              | 3.70:1            |                               |
| # L77 on Models<br>134-13680 | <b>220-hp Turbo-Fire 283 8-Cylinder</b><br>283-cu-in displacement<br>Regular camshaft<br>4-barrel carburetor<br>9.25:1 compression ratio<br>Hydraulic valve lifters<br>Dual exhaust                       | 3-Speed                | 3.36:1            | 3.70:1                        |
|                              |   | 4-Speed                | 3.36:1            |                               |
|                              |   | Powerglide             | 3.36:1            | 3.70:1                        |
|                              |   | Overdrive              | 3.70:1            |                               |
| L30 on Models<br>134-13680   | <b>250-hp Turbo-Fire 327 8-Cylinder</b><br>327-cu-in displacement<br>Regular camshaft<br>4-barrel carburetor<br>10.5:1 compression ratio<br>Hydraulic valve lifters<br>Temp-controlled radiator fan       | 3-Speed }<br>4-Speed } | 3.07:1            | 3.73:1                        |
|                              |   | Powerglide             | 3.07:1            |                               |
| L74 on Models<br>134-13680   | <b>300-hp Turbo-Fire 327 8-Cylinder</b><br>327-cu-in displacement<br>Regular camshaft<br>Large 4-barrel carburetor<br>10.5:1 compression ratio<br>Hydraulic valve lifters<br>Temp-controlled radiator fan | Powerglide             | 3.07:1            |                               |
|                              |   | 3-Speed }<br>4-Speed } | 3.31:1            | 3.73:1                        |
| L79 on Models<br>134-13680   | <b>350-hp Turbo-Fire 327 8-Cylinder</b><br>327-cu-in displacement<br>Special camshaft<br>Large 4-barrel carburetor<br>11.0:1 compression ratio<br>Hydraulic valve lifters<br>Temp-controlled radiator fan | 3-Speed }<br>4-Speed } | 3.31:1            |                               |

♦ Also available as Positraction, see page 2

|  | Page |  | Page  |
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| <b>CONVENTIONAL &amp; LCF CABS</b>   |      | <b>EL CAMINO</b>                         |       |
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| Body Glass Combinations.....   | 12   | P20-30.....                              | 26-27 |
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# EL CAMINO PICKUPS

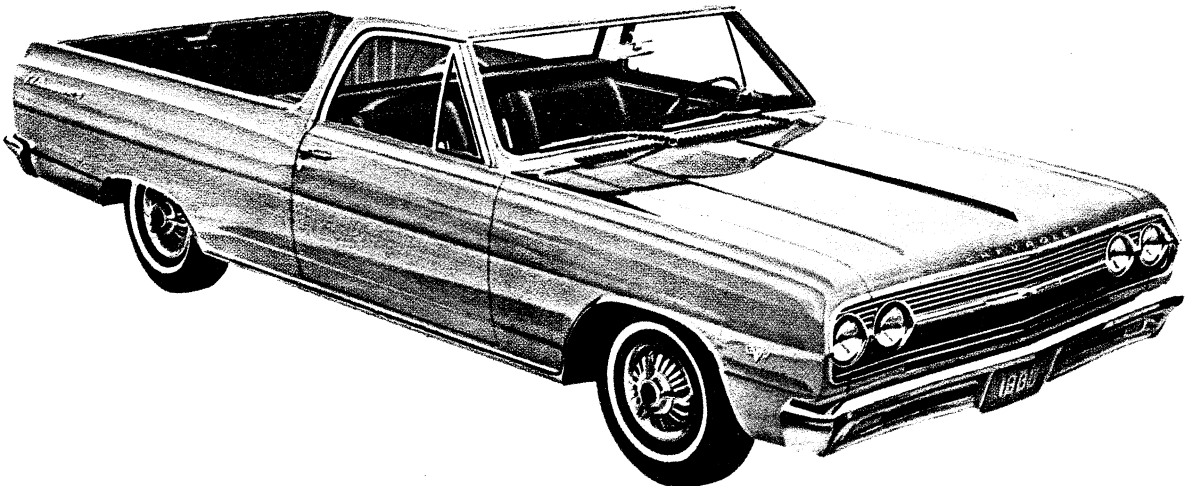
## EXTERIOR FEATURES



### EL CAMINO

Graceful refinement of El Camino appearance begins with new grille and grille opening, restyled front fenders and hood, and a new front bumper. Body side moldings are now color accented to complement the twelve Magic-Mirror El Camino colors, ten of which are new for 1965. Single-unit taillights have allowed relocation of optional back-up lights to the rear bumper for improved visibility. Distinctive trim consists of cargo area and cab rear

outline molding, El Camino rear fender nameplates, front fender engine identification emblems for V8 and optional six, hood windsplit molding, chrome bumpers, and bright metal hub caps. Additional bright trim includes windshield and rear window moldings, ventipane frames, hood and tailgate Chevrolet nameplates, and grille and tailgate emblems. Such options as front bumper guard and simulated wire wheel covers are also available.



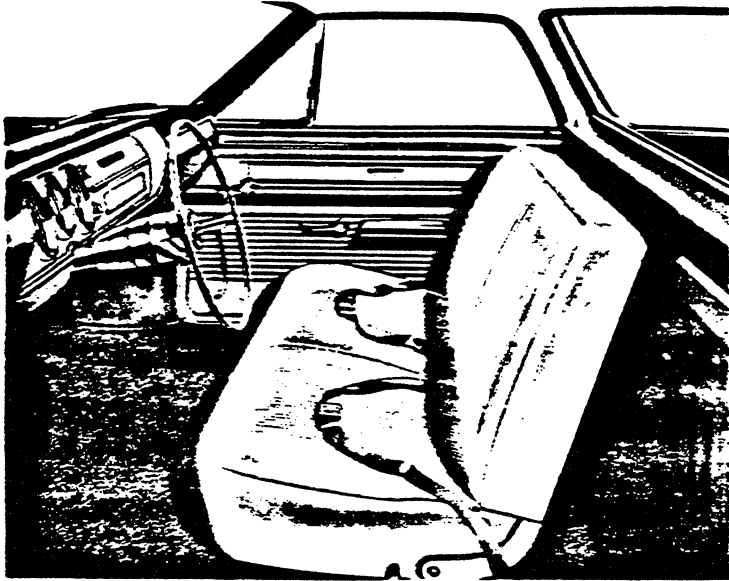
### CUSTOM EL CAMINO

Custom El Camino styling includes all of the features mentioned above, but is further enhanced by wide body sill moldings and front and rear wheel opening moldings. Bright trim outlines roof

drip molding, door upper frames and windshield pillars. Several optional exterior appearance and convenience features are available at extra cost. (Extra-cost optional bucket seats illustrated.)

# EL CAMINO PICKUPS

## INTERIOR FEATURES

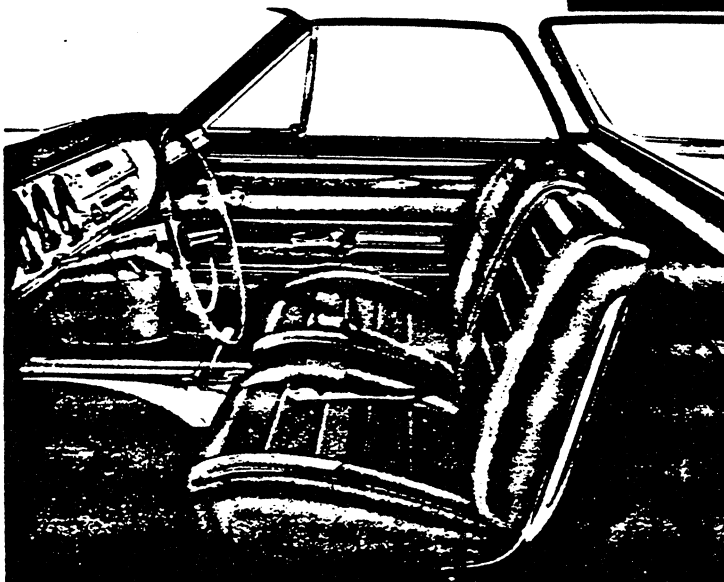
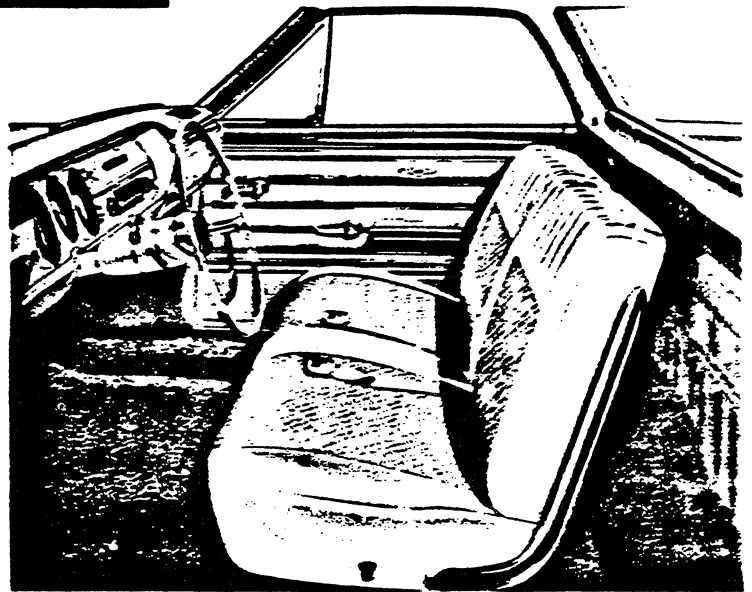


### EL CAMINO

Luxury-grained all-vinyl seat and sidewall trim has been restyled in color-keyed fawn, aqua or red for 1965. Embossed headlining and sun visors are also finished in protective vinyl and vinyl-coated rubber floor covering completes the color theme. An attractively restyled instrument cluster trim plate provides new interest while foam-cushioned seat, cigarette lighter, bright-base armrests and instrument panel ashtray promise El Camino comfort. Appointments and conveniences also include scuff-resistant plastic cowl side panels with molded-in ventilator grilles, color-keyed seat belts, dual-spoke steering wheel with horn ring, glove compartment lock, adjustable rearview mirror, center dome light and new door and window handles.

### CUSTOM EL CAMINO

Harmonizing diamond pattern cloth and textured vinyl cover an extra-thick foam-cushioned seat in the Custom El Camino. All the good features mentioned above are included plus deep-twist carpeting, electric clock, glove compartment light and chrome-backed rearview mirror. Bright accents on the vinyl door trim blend with deluxe door opening and window regulator handles. A new trim plate and emblem grace the glove box door.

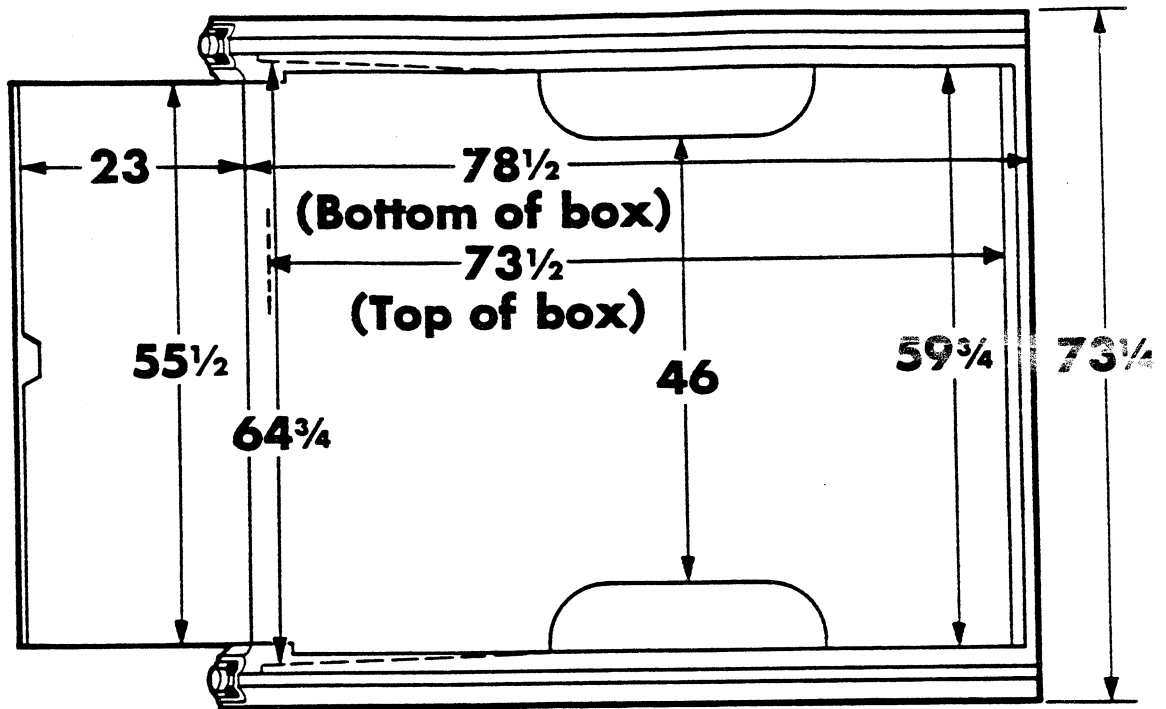


### BUCKET SEATS

Bucket seats with bright metal outer and painted inner moldings are available on the Custom El Camino as a separate extra-cost option. The seats are trimmed with fawn, aqua or red textured vinyl and a matching vinyl cover is provided for the spare tire. Special Super Sport type wheel covers are included with this option plus a center console if the 4-speed transmission is ordered. (See Interior Trim chart, page 8, Colors section for option codes.)

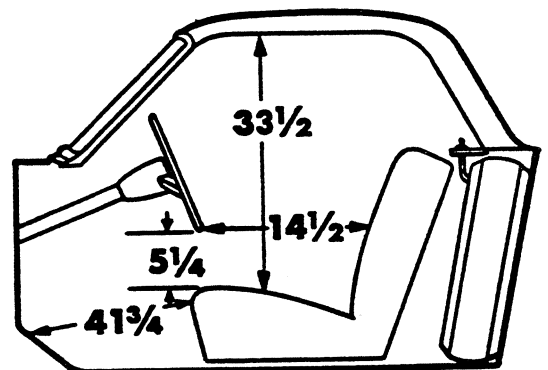
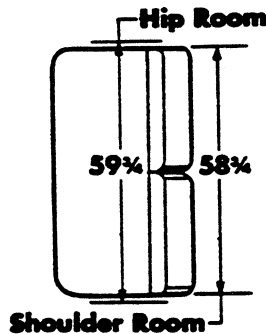
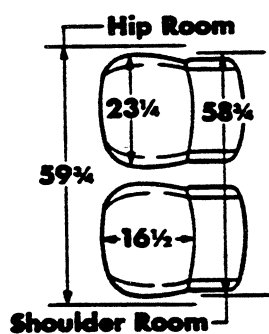
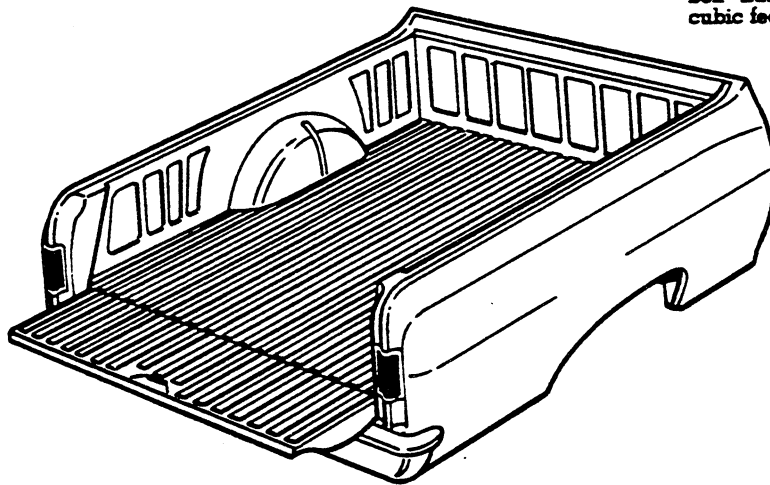


# EL CAMINO PICKUPS

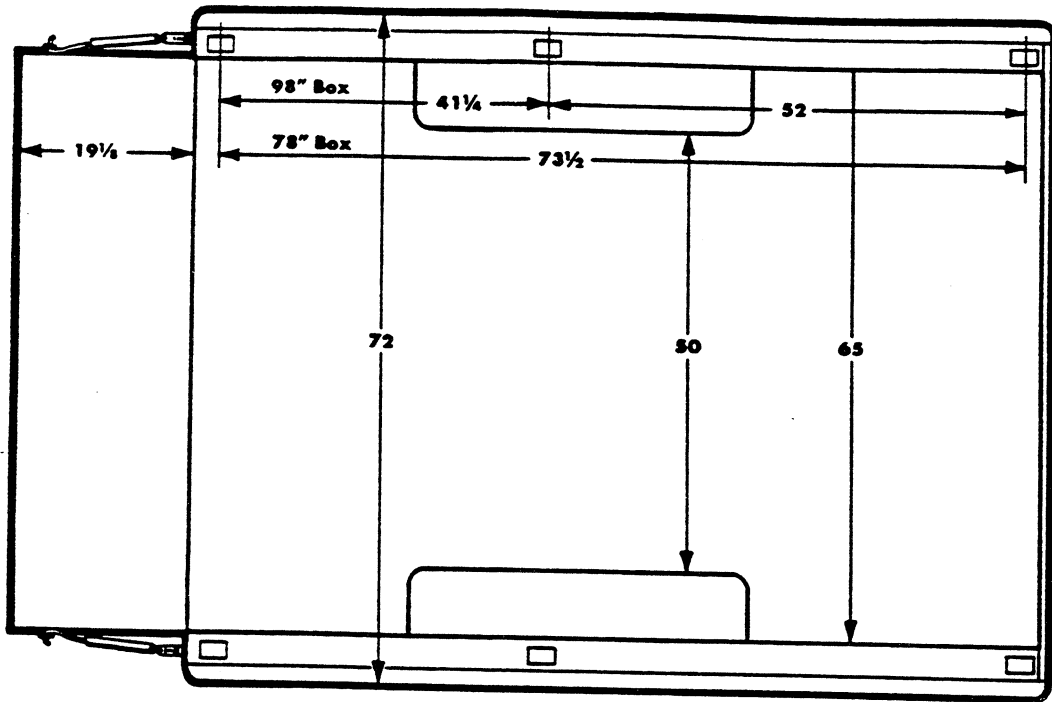


The El Camino pickup box features double-wall construction on the side panels and all-steel construction including the floor.

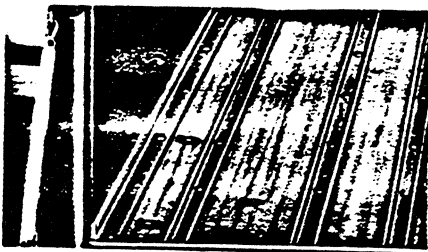
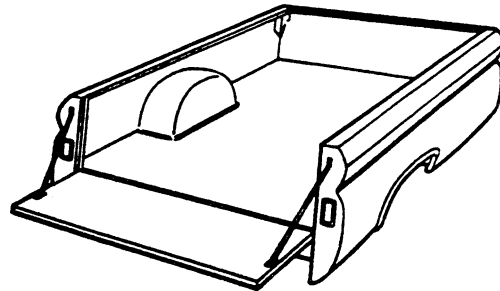
The tailgate is also of double-wall construction and when lowered forms a continuation of the ribbed steel floor. With the tailgate closed, the box has a capacity of approximately  $38\frac{1}{2}$  cubic feet.



# FLEETSIDE PICKUPS

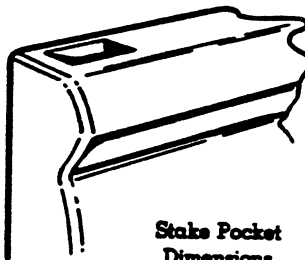


| Body Sizes                       |             |              |
|----------------------------------|-------------|--------------|
| Model                            | Body Length | Volume       |
| C1434<br>K1434                   | 78"         | 60 1/4 cu ft |
| C1534<br>C2534<br>K1534<br>K2534 | 98"         | 76 3/8 cu ft |



## Steel Skid Strips

Flush steel skid strips hold floor planks securely, yet allow expansion with changes in temperature and humidity. Recessed bolt heads prevent cargo damage in loading and unloading.



Stake Pocket  
Dimensions  
2' x 1 3/8"

Smooth exterior side panels give a stylish appearance and make possible extra-high-cubage load-carrying capacity. The important lower half of the body is double-walled for extra strength and to prevent load dents from marring the appearance of the outer panels.

Floors are made of well-seasoned wood with flush steel skid strips over the expansion joints between planks. A tight-fitting full-width tailgate minimizes loss from loose loads such as grain or sand. Anti-rattle latches give extra support to the side panels when the tailgate is closed. When open, the tailgate is supported by two rubber-covered chains.

Reinforced pockets for the addition of stake racks are provided to increase the bulk carrying capacity of the box. On 78' bodies there are 2 pockets on each side; on 98' bodies there are 3 pockets on each side.

## INDEX

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| <b>El Camino Paint Chips</b> .....     | 7           |
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## PAINT DESCRIPTION

Chevrolet trucks are finished with high-luster enamel for easy maintenance and high durability. After being thoroughly cleaned, all bodies and sheet metal are given a prime coat followed by two finish coats of baked-on high-luster enamel.

One of the most outstanding characteristics of the Chevrolet enamel is its exceptional color and gloss retention, even after prolonged weathering. Ordinary enamels are soon affected by the weathering action of sunlight, heat, dew, and airborne dust and chemicals. Such action results in chalking and dulling of the finish, and most

enamels require frequent polishing to maintain a good appearance. With Chevrolet enamel, however, even after 18 months of normal weathering a simple washing will restore the original brilliance of the finish.

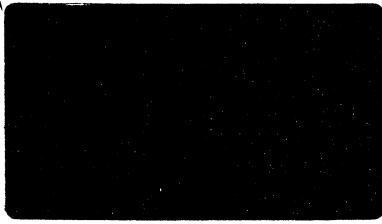
Another outstanding characteristic of Chevrolet enamel is its extremely hard finish which is as much as six times harder than other enamels. This not only provides greater protection from marring and scratching, but also reduces chipping caused by flying stones or gravel.

## SPECIAL PAINTS

In addition to the wide selection of standard colors offered on Chevrolet trucks, virtually any special color can be obtained on an order for two or more trucks. For details and prices on special paints, consult the Chevrolet Zone Office.

# 1965 EL CAMINO COLORS

## EXTERIOR COLORS



**Tuxedo Black**  
Option Code AA



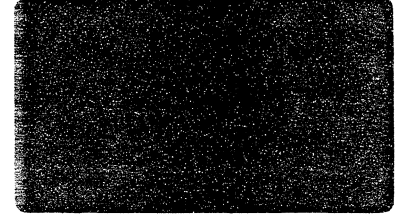
**Madeira Maroon**  
(Metallic)  
Option Code NN



**Regal Red**  
Option Code RR



**Sierra Tan**  
(Metallic)  
Option Code SS



**Cameo Biege**  
Option Code VV



**Willow Green**  
(Metallic)  
Option Code HH



**Cypress Green**  
(Metallic)  
Option Code JJ



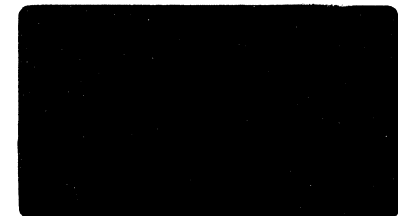
**Artesian Turquoise**  
(Metallic)  
Option Code KK



**Tahitian Turquoise**  
(Metallic)  
Option Code LL



**Mist Blue**  
(Metallic)  
Option Code DD



**Danube Blue**  
(Metallic)  
Option Code EE

## INTERIOR COLORS



**Red**  
Code D



**Fawn**  
Code F



**Aqua**  
Code A

# 1965 EL CAMINO COLORS

## EXTERIOR AND INTERIOR COLOR COMBINATIONS

1965 El Camino models have Magic-Mirror Acrylic Lacquer finish for lustrous long-lasting beauty.

| Exterior Color*                    | Option Code | Interior Color Availability |      |     |
|------------------------------------|-------------|-----------------------------|------|-----|
|                                    |             | Fawn                        | Aqua | Red |
| <b>Tuxedo Black</b>                | AA          | Fawn                        | Aqua | Red |
| <b>Ermine White</b>                | CC          | Fawn                        | Aqua | Red |
| <b>Madeira Maroon</b> ●            | NN          | Fawn                        |      | Red |
| <b>Regal Red</b>                   | RR          | Fawn                        |      | Red |
| <b>Sierra Tan</b> ●                | SS          | Fawn                        |      |     |
| <b>Cameo Beige</b>                 | VV          | Fawn                        |      | Red |
| <b>Willow Green (Med)</b> ●        | HH          | Fawn                        |      |     |
| <b>Cypress Green (Dark)</b> ●      | JJ          | Fawn                        |      |     |
| <b>Artesian Turquoise (Med)</b> ●  | KK          | Fawn                        | Aqua |     |
| <b>Tahitian Turquoise (Dark)</b> ● | LL          | Fawn                        | Aqua |     |
| <b>Mist Blue (Med)</b> ●           | DD          | Fawn                        |      |     |
| <b>Danube Blue (Dark)</b> ●        | EE          | Fawn                        |      |     |

\*El Camino models available with solid exterior colors only.

● Metallic-type paint.

## INTERIOR TRIM—OPTION NUMBERS

|  | Fawn | Aqua | Red |
|--|------|------|-----|
| <b>Models 13380-13480 (Vinyl)</b>              | 767  | 748  | 794 |
| <b>Models 13580-13680 (Cloth)</b>              | 763  | 750  | 772 |
| <b>Models 13580-13680 (Bucket Seat Option)</b> | 717  | 724  | 726 |

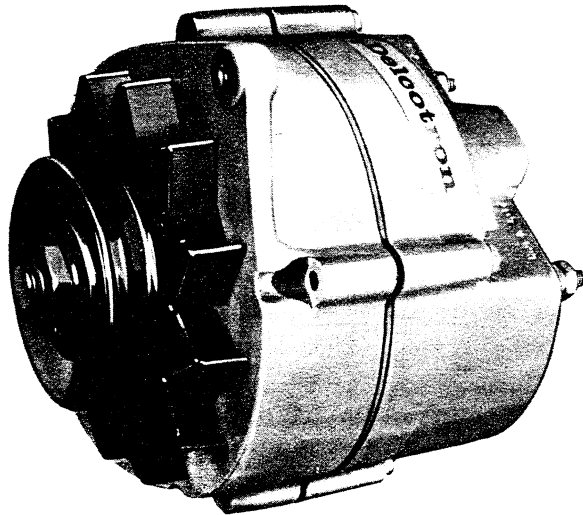
# ELECTRICAL SYSTEMS

## 12-Volt System

12-Volt electrical system, standard equipment on all models, provides faster cranking speeds and hotter spark for more dependable engine starting in all weather.

### Dual Circuit Breaker

Fire hazard caused by short circuits in the wiring is reduced to a minimum because all electrical circuits are protected. A dual bi-metal 15-ampere thermal circuit breaker is incorporated in the light switch, one circuit for the headlights, and one for the parking lights. If a short develops in either circuit, one of the circuit breakers relieves the load. Other electrical circuits are protected by fuses of proper size.



### 37-Amp "DELCOTRON" Generator

Battery charging current is produced even at engine idling speeds.

### Starter

Delco 12-15-volt type with over-running clutch and solenoid-controlled sliding pinion. Four field coils. Bearings are oilless graphite-filled bronze. Starter is actuated by turning the ignition key in its switch.

## Generator

The standard generator for all Chevrolet trucks provides more than ample current to meet normal truck electrical demands. Higher output generators are also available.

| Generator                 | Rated Output |     |                     |
|---------------------------|--------------|-----|---------------------|
|                           | Amperes      |     | Watts<br>@ 14 Volts |
|                           | Idle         | Max |                     |
| 32-Ampere Delcotron.....  | 9            | 32  | 448                 |
| 37-Ampere Delcotron.....  | 9            | 37  | 518                 |
| 42-Ampere Delcotron.....  | 12           | 42  | 588                 |
| 55-Ampere Delcotron.....  | 6            | 55  | 770                 |
| 62-Ampere Delcotron.....  | 23           | 62  | 868                 |
| 130-Ampere Delcotron..... | 20           | 130 | 1820                |

### Ignition Switch

The ignition switch has three positions: OFF-LOCKED, ON and START. The key is removable only from the OFF-LOCKED position. Once installed, the center electrical connector plug on the switch cannot be removed without removing the complete switch assembly. Such removal requires the use of the ignition key. Therefore, it is very difficult to bridge the ignition and solenoid circuits to start the engine without a key, thus providing added theft resistance.

### Multi-Plug Connectors

Plastic multi-plug connectors join major wiring harnesses at terminal points—they make electrical system servicing easier, protect wires from road splash and corrosion. Single wires, too, are protected by enclosed terminals.

### Heavy-Duty Wiring

Heavy-duty chassis and engine electrical wiring is standard on all 50 through 80 series and forward control models.

Wiring components affected are the instrument cluster harness, the main wiring harness, the front extension harness, and the engine wiring harness. Hypalon® wiring in the assemblies, not protected by fuses, is so insulated that if a short circuit or overload occurs the heat generated will not affect the surrounding wires and only the overloaded circuit need be repaired.

®Du Pont registered trademark

### → Heavy-Duty Tri-Shield Wiring

Heavy-duty tri-shield wiring is standard on V80 models and optional on ANQ60-80 series models. This wiring system incorporates heavy-duty wiring in a series of harnesses especially designed for maximum durability and protection. Selected portions of this system are triple wrapped with insulating and abrasion resisting coatings. Also included are provisions for connecting optional or accessory electrical items without the need for splicing connections.

## Battery Specifications

12-Volt Delco batteries are used as standard and optional equipment on all models.

| Series:                                | 133-134-135-13680, G10    | CKP10, CKP20-30, CLPT50, CLMT80 | CLMT60                         | S50-60                        |                                | DN50, ADNQVX-Y60, ANQV80  | EUW80  |
|--|---------------------------|---------------------------------|--------------------------------|-------------------------------|--------------------------------|---|--|
| Standard                               |                           |                                 |                                |                               |                                |   |  |
| Optional                               |                           |                                 | CK10-30*, CLPT50               | P20-30, CLMPT50-80            | CKP10, CK20-30, G10            |   | ANQ60, ANQV80  |
| <b>Capacity @ 20-Amp-Hr Rate</b> ..... | 44 amp                    | 53 amp                          | 61 amp                         | 70 amp                        | 70 amp                         | 150 amp   | 205 amp  |
| <b>GM Part Number</b> .....            | 1980554                   | 1980458                         | 1980558                        | 1980570                       | 1980568                        | 1980416   | 1980760  |
| <b>Plates Per Cell</b> .....           | 9                         | 9                               | 11                             | 11                            | 11                             | 19  | 27   |
| <b>Dimensions:</b> Length (in).....    |                           | 10 <sup>1</sup> / <sub>8</sub>  | 10 <sup>1</sup> / <sub>8</sub> | 12                            | 10 <sup>1</sup> / <sub>8</sub> | 20 <sup>7</sup> / <sub>8</sub>  | 20 <sup>7</sup> / <sub>8</sub>   |
| Width (in).....                        |                           | 6 <sup>3</sup> / <sub>4</sub>   | 6 <sup>3</sup> / <sub>4</sub>  | 6 <sup>3</sup> / <sub>4</sub> | 6 <sup>3</sup> / <sub>4</sub>  | 8 <sup>1</sup> / <sub>8</sub>   | 10 <sup>9</sup> / <sub>8</sub>   |
| Height (in).....                       |                           | 8 <sup>3</sup> / <sub>4</sub>   | 8 <sup>3</sup> / <sub>4</sub>  | 8 <sup>3</sup> / <sub>4</sub> | 9 <sup>5</sup> / <sub>8</sub>  | 9 <sup>1</sup> / <sub>2</sub>   | 9 <sup>1</sup> / <sub>2</sub>  |
| <b>Weight (lbs)</b> .....              | 35                        | 43                              | 45                             | 53                            | 50                             | 117   | 153  |
| <b>Location</b>                        | Inside Engine Compartment |                                 |                                |                               |                                | R. H. side behind cab (D50, DQVX60, QV80)<br>R. H. running board (A60, A80)<br>L. H. side rail (N50, NY60, N80) | R. H. side behind cab (Q60, QV80)<br>R. H. running board (A60, A80)<br>L. H. side rail (N60, NV80) |

\*Included with optional 292 Six engine.

→ Indicates revised specifications.

# ELECTRICAL SYSTEMS

## BATTERY AND GENERATOR SELECTION

The great variety of truck operating conditions creates wide variations in demands upon the electrical system. Trucks operated as tractor units, especially, call for a higher output generator to meet the current load of extra equipment. It is therefore important to consider the electrical system in matching a truck to the job.

### Battery Selection

The standard battery has ample storage capacity for most truck applications. The optional heavy-duty battery should be recommended for additional cranking performance and for operations in extremely cold climates. Tractors in over-the-road service will also benefit from the added reserve of a heavy-duty battery. The numerous clearance lights impose a heavy current drain during nighttime parking.

### Generator Selection

A battery serves only to store electricity and must be recharged by the generator during the normal operation of the truck. Generator capacity should be selected so that the constant electric load (amperes of current draw) does not exceed 80 percent of generator maximum output capacity. This leaves 20 percent of surplus generator capacity to replace battery energy used in starting or during temporary electrical overloads.

Determine the constant electrical load from the table below, consider average road speeds, and recommend a generator which will provide the maximum output required at the vehicle's average road speed. General operating characteristics of Chevrolet's standard and optional equipment generators are described at the right.

### Electrical Loads

(12-Volt System)

| Equipment   | Amperes      |
|---|--------------|
| Four Headlights (Upper beam) . . . . .                    | 13.5         |
| Two Headlights (Upper beam) . . . . .                     | 11.0         |
| Two Headlights (Lower beam) . . . . .                     | 9.3          |
| Parking Lights . . . . .                                  | 2.3          |
| Stop Lights (2) . . . . .                                 | 3.6          |
| Ignition (Including gauges) . . . . .                     | 2.0          |
| Electric Windshield Wipers . . . . .                      | 4.0          |
| De Luxe Heater . . . . .                                  | 8.0          |
| Recirculating Heater . . . . .                            | 6.0          |
| Radio . . . . .   | 2.7          |
| Identification Lights (3 in line, front & rear) . . . . . | 3.1          |
| Clearance Lights (8) . . . . .                            | 4.1          |
| Two-Way Radio (Standby) . . . . .                         | 4.0 to 7.0   |
| Two-Way Radio (Transmit) . . . . .                        | 10.0 to 18.0 |
| Safety Light (Spotlight) . . . . .                        | 3.9          |
| Fog Lamp . . . . .  | 2.9          |
| Instrument Lights . . . . .                               | 0.8          |

### ➔ Generator Availability by Truck Series

| Type                        | Standard  | Optional  |
|-----------------------------|---|---|
| 32-amp Delcotron . . . . .  | G10   | —   |
| 37-amp Delcotron . . . . .  | El Camino;<br>CKP10; 20; CP30;<br>CLSTP50; CLMST60;<br>CLTM80 | —   |
| 42-amp Delcotron . . . . .  | QN50; QAN60;<br>QANV80  | El Camino;<br>CKP10-20; CP30;<br>CLPST50; CLTSM60;<br>CLTM80            |
| 55-amp Delcotron . . . . .  | QD50; VXYD60;<br>EUW80  | El Camino;<br>CKP10-20; CP30;<br>CLSTPQ50;<br>CLTSMANQ60;<br>CLTMQANV80 |
| 62-amp Delcotron . . . . .  | —   | El Camino;<br>CKP10-20; CP30;<br>CLSTPQ50;<br>CLSTMQAN60;<br>CLTMQANV80 |
| 130-amp Delcotron . . . . . | —   | S60   |

### "DELCOTRON"

#### Diode-Rectified Alternating Current Generator

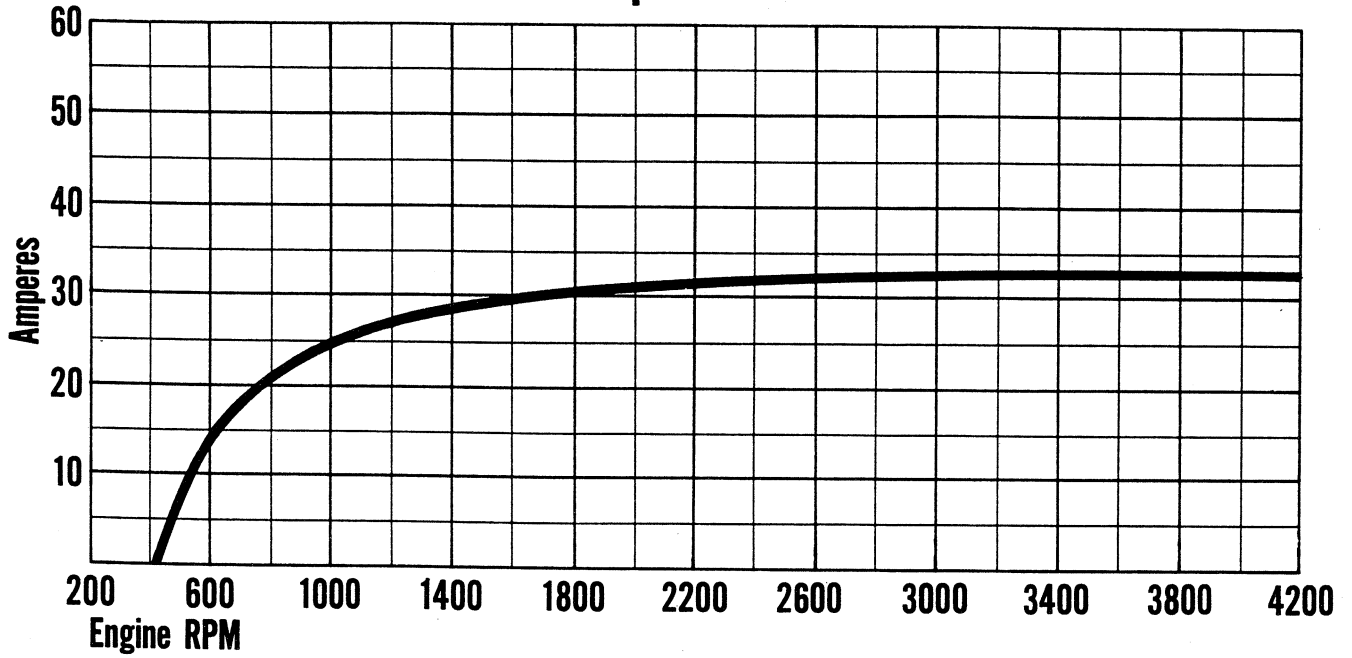
Available in several capacities as shown in the generator availability table above, the "DELCOTRON" is an alternating current generator with an integral diode-rectifying system. Battery charging current is produced even at engine idling speeds, helping to ensure a fully charged battery at all times. The "DELCOTRON" also offers increased output at higher speeds. Greater reliability can be expected from the "DELCOTRON" because the brushes carry only 2 to 3 amperes of field current instead of the full generator output carried by the brushes in the conventional generator.

The rotor shaft on the 37-, 42- and 55-ampere "DELCOTRON" generator is carried by ball bearings at the front and rear. The 62-ampere "DELCOTRON" generator uses ball bearings at both ends of the rotor shaft.

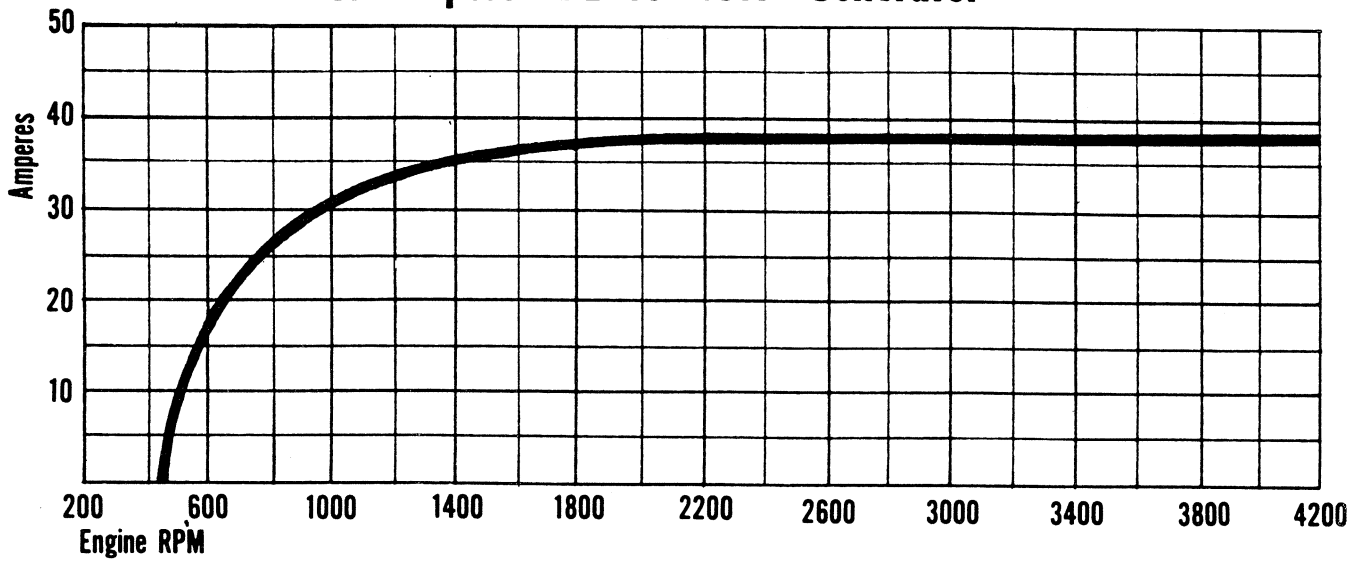
➔ Indicates revised specifications.

# GENERATOR OUTPUT CURVES

## 32-Ampere Delcotron



## 37-Ampere "DELCOTRON" Generator





## 230 SIX PERFORMANCE

### Basic Specifications

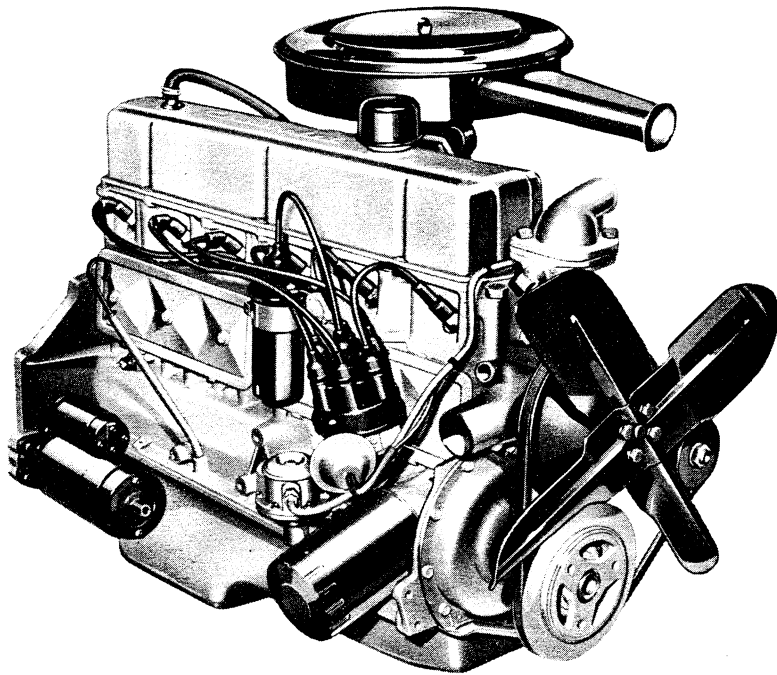
|                                 |                 |
|---------------------------------|-----------------|
| Engine type                     | Valve-in-head   |
| Piston displacement             | 230 cu in       |
| Bore & stroke (nominal)         | 3 7/8" x 3 1/4" |
| Dry weight (with clutch)        | 465 lb          |
| Compression ratio               | 8.50 to 1       |
| Taxable horsepower (SAE)        | 36.0            |
| Idling speed—Synchronesh trans. | 475 rpm         |
| —Powerglide in "drive"          | 450 rpm         |
| Carburetor type                 | Downdraft       |

### Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92" mercury and 60° F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.



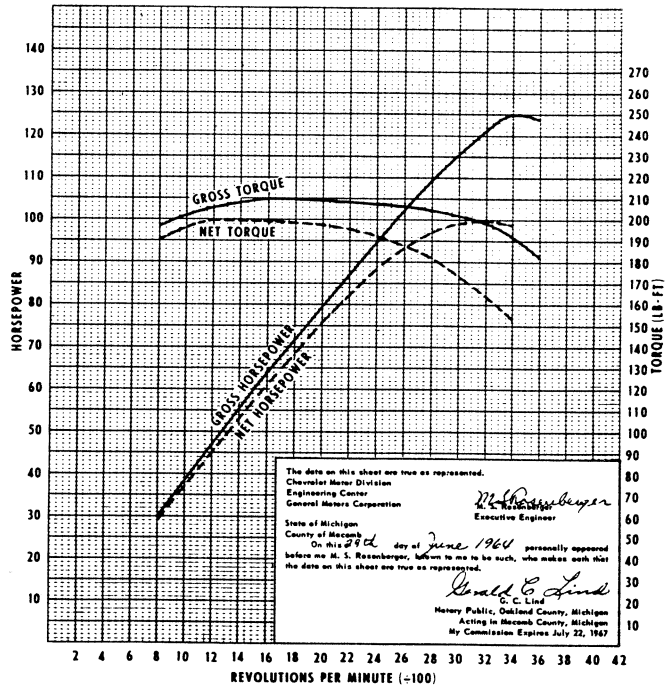
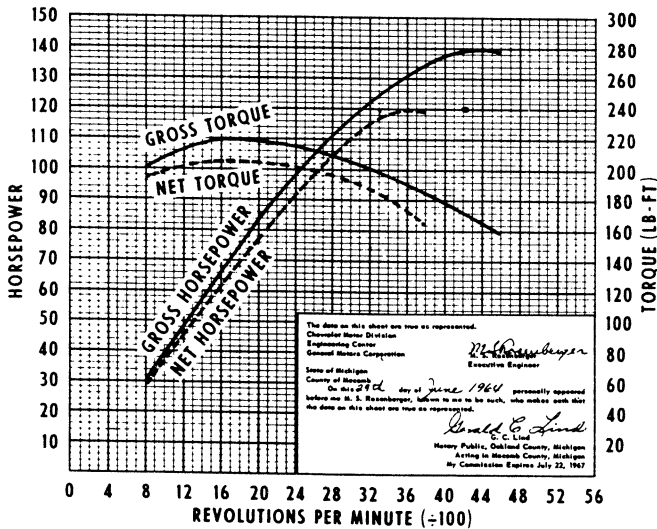
### With Standard Carburetor

|                      |                |
|----------------------|----------------|
| Gross horsepower     | 140 @ 4400 rpm |
| Net horsepower       | 120 @ 3600 rpm |
| Gross torque, lb-ft. | 220 @ 1600 rpm |
| Net torque, lb-ft.   | 205 @ 1600 rpm |

### With Economy Carburetor\*

|                      |                |
|----------------------|----------------|
| Gross horsepower     | 125 @ 3400 rpm |
| Net horsepower       | 100 @ 3200 rpm |
| Gross torque, lb-ft. | 210 @ 1600 rpm |
| Net torque, lb-ft.   | 200 @ 1200 rpm |

\*Available on C10 Series only



## TURBO-FIRE 283 V8 PERFORMANCE

### Basic Specifications

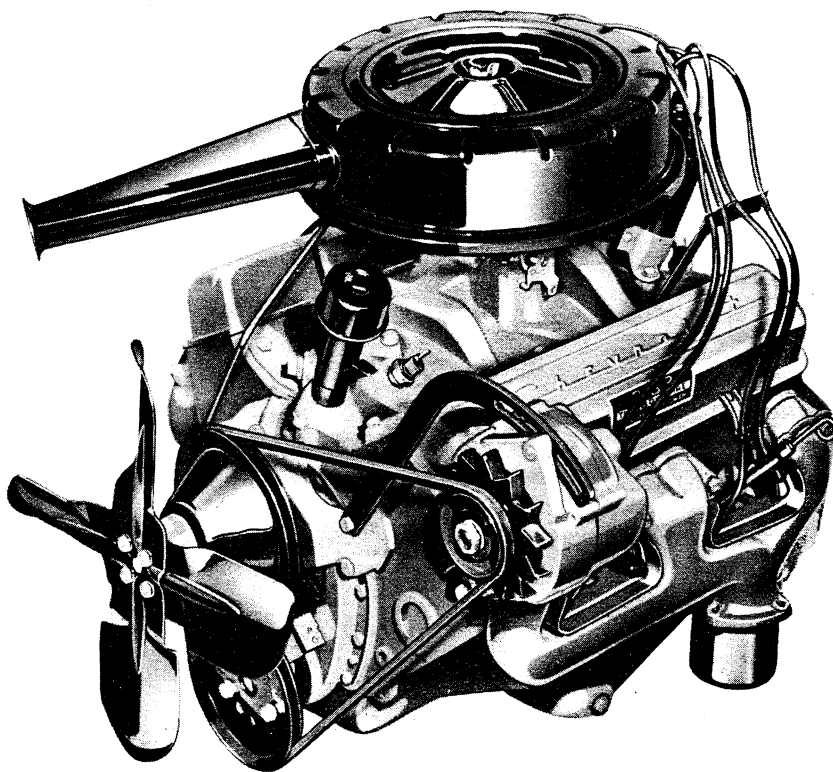
Engine type.....Valve-in-head  
 Piston displacement.....283 cu in  
 Bore & stroke (nominal).....3 7/8" x 3"  
 Dry weight (with clutch).....607 lb  
 Compression ratio.....9.25:1  
 Taxable horsepower (SAE).....48.0  
 Idling speed—Synchro trans in neutral...500 rpm  
 —Powerglide in "drive".....475 rpm  
 Carburetor type.....2-barrel on 195-hp  
 .....4-barrel on 220-hp

### Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92" mercury and 60° F dry air.

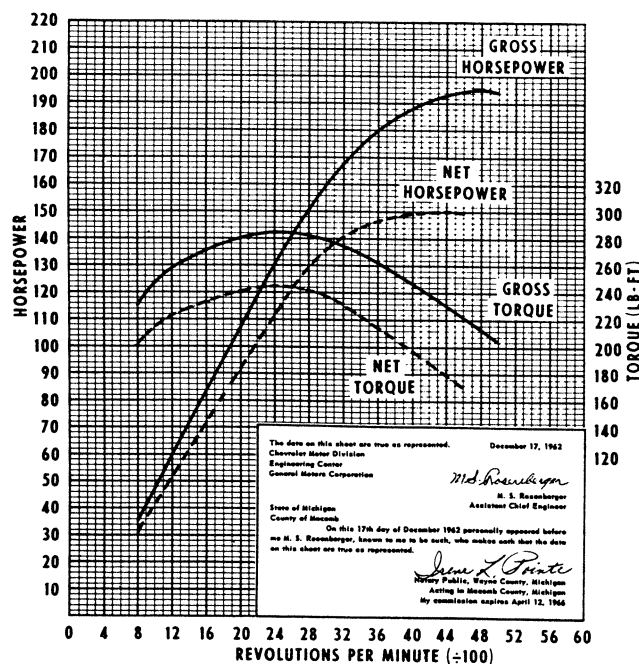
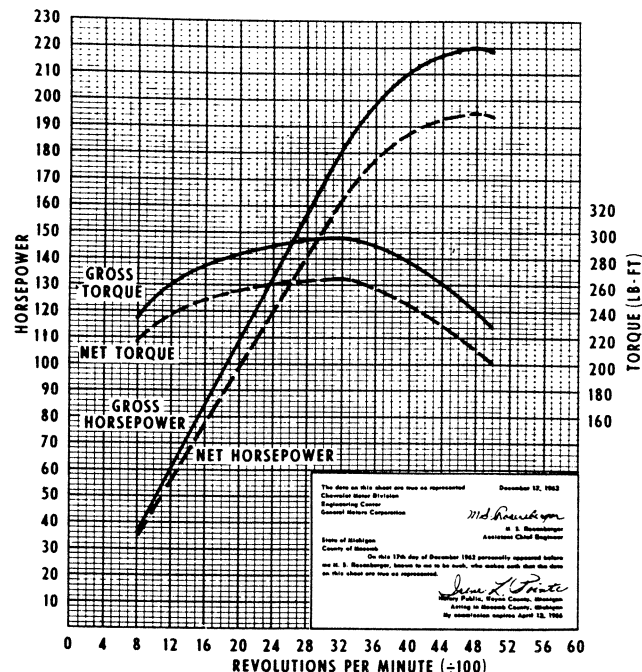
Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.



Gross horsepower.....220 @ 4800 rpm  
 Net horsepower.....195 @ 4800 rpm  
 Gross torque, lb-ft.....295 @ 3200 rpm  
 Net torque, lb-ft.....265 @ 3200 rpm

Gross horsepower.....195 @ 4800 rpm  
 Net horsepower.....150 @ 4400 rpm  
 Gross torque, lb-ft.....285 @ 2400 rpm  
 Net torque, lb-ft.....245 @ 2400 rpm



TURBO-FIRE 327 V8 PERFORMANCE

Basic Specifications

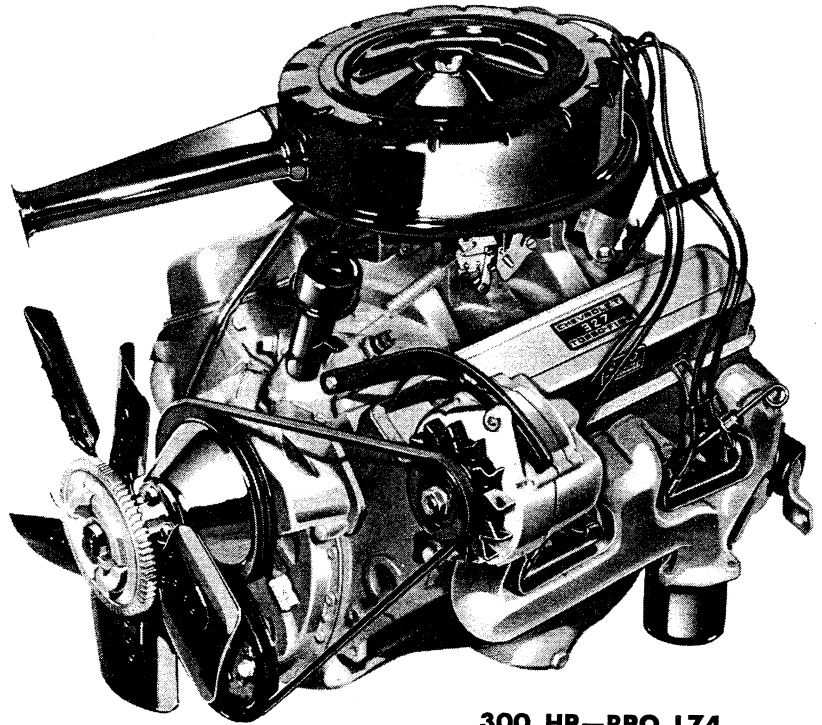
Engine type..... Valve-in-head  
 Piston displacement..... 327 cu in  
 Bore & stroke (nominal)..... 4.0" x 3 1/4"  
 Dry weight (with clutch)..... 622 lb  
 Compression ratio..... 10.5:1  
 Taxable horsepower (SAE)..... 51.2  
 Idling speed—Synchronesh trans..... 500 rpm  
     —Powerglide in "drive"..... 475 rpm  
 Carburetor type..... 4-barrel

Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92" mercury and 60°F dry air.

Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.

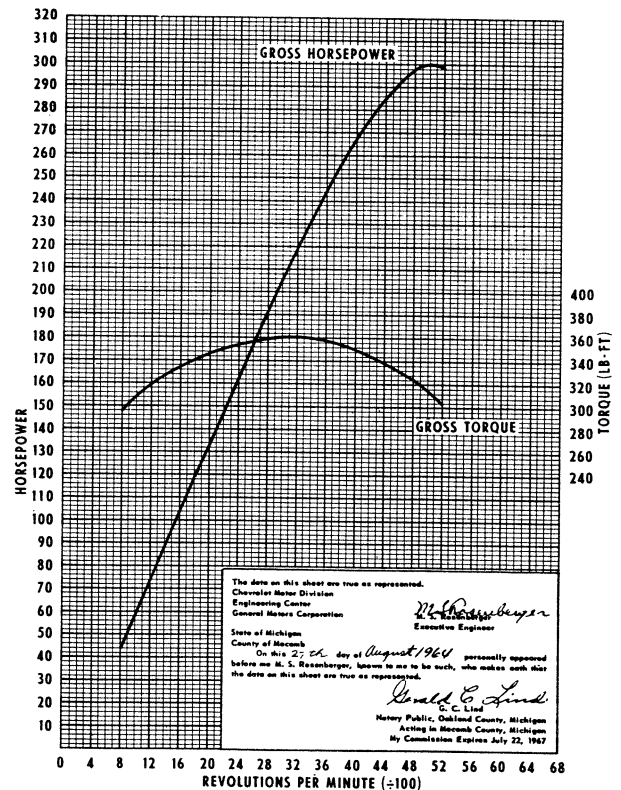
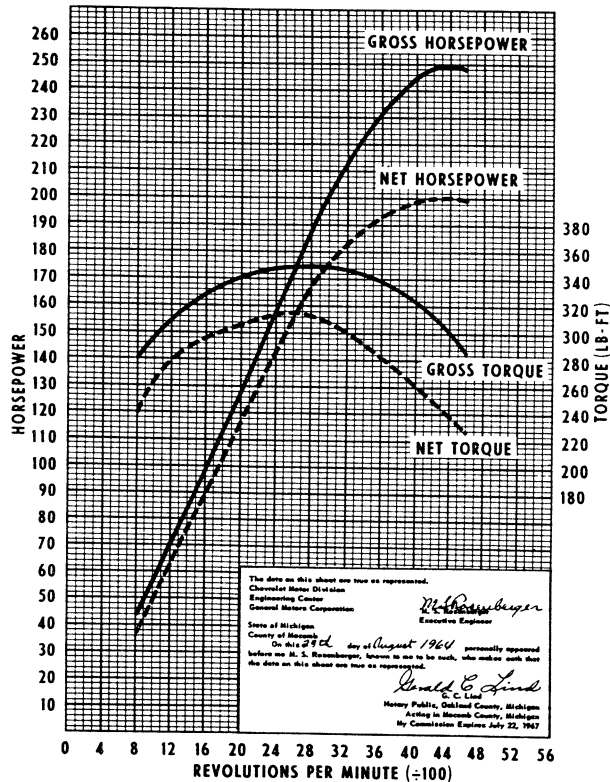


250 HP—RPO L30

Gross horsepower..... 250 @ 4400 rpm  
 Net horsepower..... 200 @ 4400 rpm  
 Gross torque, lb-ft..... 350 @ 2800 rpm  
 Net torque, lb-ft..... 315 @ 2600 rpm

300 HP—RPO L74

Gross horsepower..... 300 @ 5000 rpm  
 Gross torque, lb-ft..... 360 @ 3200 rpm



## TURBO-FIRE 327 V8 PERFORMANCE

### Basic Specifications

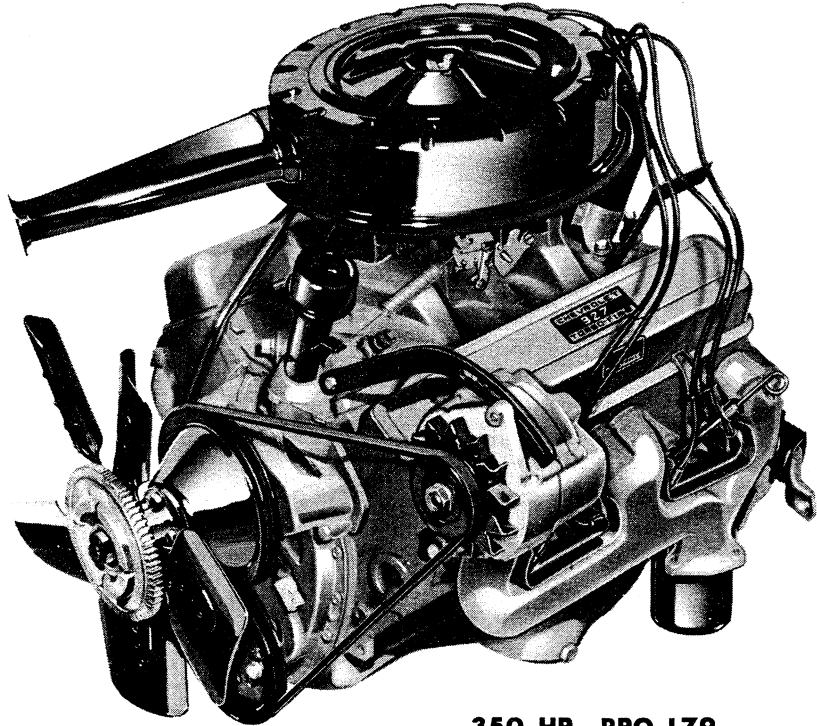
|                                     |               |
|-------------------------------------|---------------|
| Engine type.....                    | Valve-in-head |
| Piston displacement.....            | 327 cu in     |
| Bore & stroke (nominal).....        | 4.0" x 3 1/4" |
| Dry weight (with clutch).....       | 622 lb        |
| Compression ratio.....              | 11.0:1        |
| Taxable horsepower (SAE).....       | 51.2          |
| Idling speed—Synchromesh trans..... | 500 rpm       |
| —Powerglide in "drive".....         | 475 rpm       |
| Carburetor type.....                | 4-barrel      |

### Test Procedures

These curves represent full-throttle performance as obtained from dynamometer test data corrected to barometric pressure of 29.92" mercury and 60°F dry air.

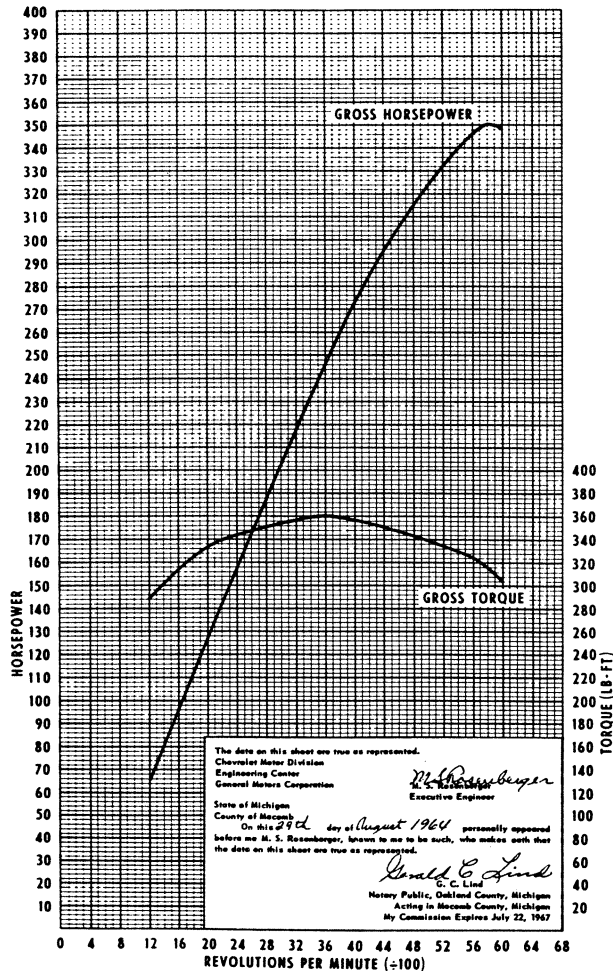
Gross horsepower and torque were obtained in a regular dynamometer test with the dynamometer exhaust system, no fan, generator not charging, and optimum spark advance.

Net horsepower and torque were obtained from a dynamometer test simulating actual operating conditions when the engine is in the vehicle.



**350 HP—RPO L79**

Gross horsepower.....350 @ 5800 rpm  
 Gross torque.....360 @ 3600 rpm



# INDEX

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| Rear Suspensions .....        | 3-5  | Tandem Suspensions .....    | 16-17 |
| Single-Speed Rear Axles ..... | 6-11 | Two-Speed Rear Axles .....  | 12-15 |

## REAR SHOCK ABSORBERS

### Standard Rear Shock Absorbers

#### El Camino Models 133-134-135-13680

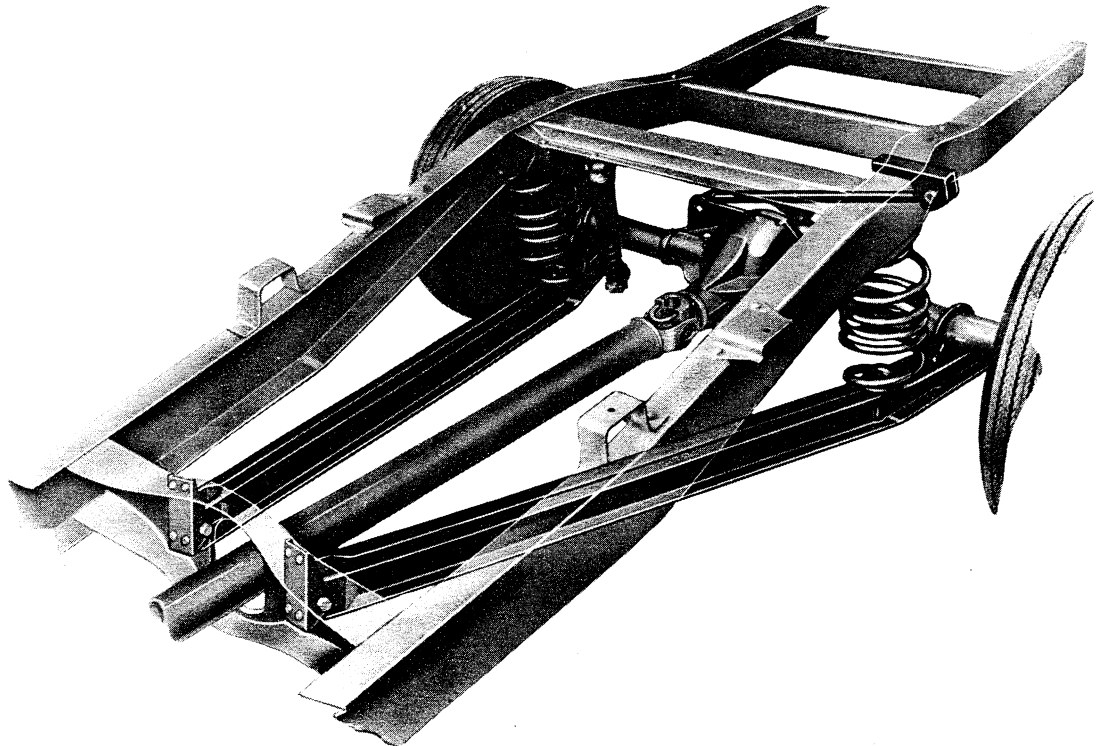
| Series            | Type  | Piston Diameter (in) | Inflation Pressure Vehicle Unloaded (lbs) | Inflation Pressure Vehicle Loaded (If inflated prior to loading) (lbs) | Inflation Pressure Vehicle Loaded (If inflated after loading) (lbs) |
|-------------------|---|----------------------|---|--|---|
| 133-134-135-13680 | Hydraulic direct double acting air booster type | 1                    | 10  | 65   | 90  |

### Standard Rear Shock Absorbers

| Series      | Type                           | Piston Diameter (in) | Piston Travel (in) |
|-------------|--------------------------------|----------------------|--------------------|
| G10         | Hydraulic direct double acting | 1                    | 7.25               |
| CP10        |                                | 1                    | 7.75               |
| C20, P20-30 |                                | 1                    | 8.00               |
| K10-20      |                                | 1                    | 10.25              |

### Optional Rear Shock Absorbers

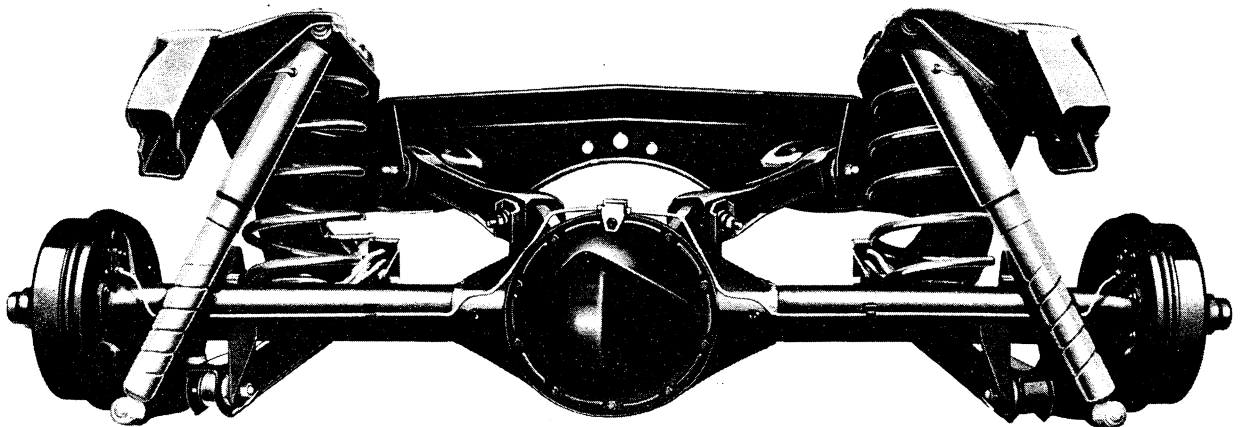
| Series                     | Type                           | Piston Diameter (in) | Piston Travel (in) |
|----------------------------|--------------------------------|----------------------|--------------------|
| CP10-30                    | Hydraulic direct double acting | 1.38                 | 7.75               |
| K10-20                     |                                | 1.38                 | 10.00              |
| All 50-80 (Except Tandems) |                                | 1.38                 | 9.25               |



## SERIES C10, P10 and C20

Fore-and-aft motion of the rear axle is controlled by two channel-section control arms pivoted at a forward frame crossmember. Lateral motion of the rear axle is restricted by a control arm which runs approximately parallel to the axle housing. One end of this arm is pivoted at the frame siderail, and the other end at

the axle attachment. The control arms permit axle motion, but maintain proper axle position. Spring action is performed by two-stage coil springs, except C1405 which uses a single-stage coil spring, providing an excellent ride when the vehicle is empty or lightly loaded—increasing in capacity as the load becomes greater.

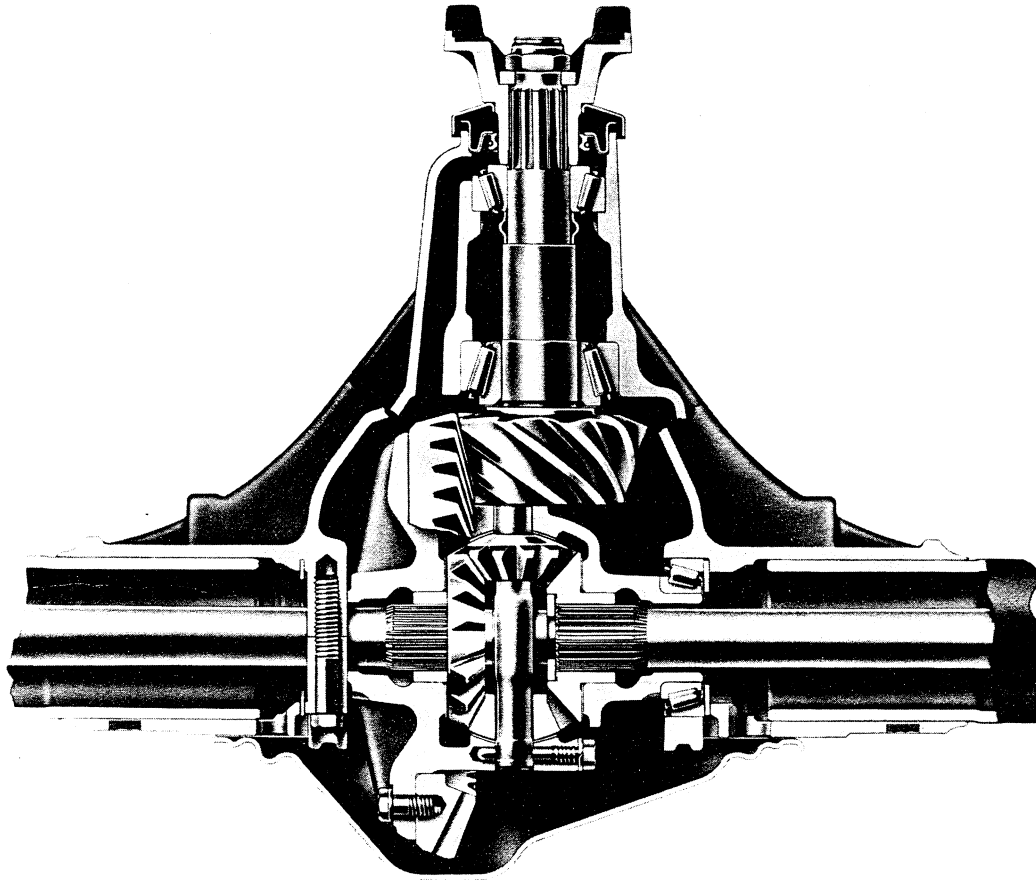


## EL CAMINO MODELS

The 4-link rear suspension design of the El Camino models provides excellent ride and load-carrying characteristics. Two stamped channel-section lower control arms extend from brackets at each end of the axle housing to brackets at the start of the frame rail kick-up. Each control arm end pivots in compressed rubber bushings. Shorter stamped channel-section upper control

arms mount on brackets attached to the differential housing and extend diagonally outward to brackets on the intermediate Z-shaped frame crossmember to restrict lateral axle movement relative to the frame. Coil springs are positioned directly over the axle housing. Hydraulic direct double-acting air-booster type shock absorbers are mounted diagonally behind the coil springs.

# REAR AXLE



## EL CAMINO REAR AXLE

El Camino models utilize a Salisbury-type rear axle with ratios of 3.36:1 standard on six-cylinder models and 3.08:1 on eight-cylinder models. Other axle ratios are available to meet individual requirements. Hypoid gearing is used for quiet, durable differential operations.

Positraction is also available as an option at extra cost.

### → Specifications

|  |                                 |           |  |                     |                     |                                  |
|--|---------------------------------|-----------|--|---------------------|---------------------|----------------------------------|
| <b>Series:</b>                           |                                 |           |  |                     |                     |                                  |
| Standard.....                            | 133-13580                       | 134-13680 |  | 134-13680           | 134-13680           |                                  |
| Optional.....                            | 134-13680                       |           | 133-134-135-13680<br>With Overdrive Transmission | With opt V8 engines | With opt V8 engines | 134-13680<br>With opt V8 engines |
| <b>Capacity</b> .....                    | 2700 lbs                        |           |  |                     |                     |                                  |
| <b>Make</b> .....                        | Chevrolet                       |           |  |                     |                     |                                  |
| <b>Pinion &amp; Ring Gears:</b>          |                                 |           |  |                     |                     |                                  |
| Type.....                                | Hypoid                          |           |  |                     |                     |                                  |
| Ratios.....                              | 3.36*                           | 3.08*     | 3.70*  | 3.07*               | 3.31*               | 3.73*                            |
| Pinion, teeth.....                       | 11                              | 12        | 10   | 14                  | 13                  | 11                               |
| Ring gear, teeth.....                    | 37                              | 37        | 37   | 43                  | 43                  | 41                               |
| <b>Differential:</b>                     |                                 |           |  |                     |                     |                                  |
| Type.....                                | Two-Pinion                      |           |  |                     |                     |                                  |
| <b>Axle Shaft:</b>                       |                                 |           |  |                     |                     |                                  |
| Type.....                                | Integral Shaft and Drive Flange |           |  |                     |                     |                                  |
| Minimum diameter.....                    | 1.06                            |           |  |                     |                     |                                  |
| <b>Housing:</b>                          |                                 |           |  |                     |                     |                                  |
| Section diameter and thickness (in)..... | 3.0 x .22                       |           |  |                     |                     |                                  |

\*Also available with Positraction limited-slip differential

→ Indicates revised specifications.



# FRONT SPRINGS

## SPECIFICATIONS

### Standard Coil Springs

| Series   | Rating at Ground (lb each) | Sprung Capacity (lb each) | Deflection Rate at Wheel (lb/inch) | Wire Diameter (inch) | Outside Diameter (inches) |
|--|----------------------------|---------------------------|------------------------------------|----------------------|---------------------------|
| 133-13580 .....  | 950                        | 840                       | 290                                | 0.598                | 4.90                      |
| 134-13680 .....  | 950                        | 840                       | 290                                | 0.619                | 4.90                      |
| C10 (Except Panels, Carryalls & Cowl models), P10, C20 ..... | 1250                       | 1018                      | 173                                | 0.731                | 5.14                      |
| C10 (Panels, Carryalls & Cowl models) .....                  | 1250                       | 1014                      | 160                                | 0.715                | 5.14                      |
| C30 .....  | 1500                       | 1152                      | 239                                | 0.777                | 5.37                      |

### Optional Coil Springs

| Series                  | Rating at Ground (lb each) | Sprung Capacity (lb each) | Deflection Rate at Wheel (lb/inch) | Wire Diameter (inch) | Outside Diameter (inches) |
|-------------------------|----------------------------|---------------------------|------------------------------------|----------------------|---------------------------|
| 133-13580 .....         | 950                        | 840                       | 320                                | 0.615                | 4.90                      |
| 134-13680 .....         | 950                        | 840                       | 320                                | 0.637                | 4.90                      |
| 133-134-135-13680 ..... | 950                        | 840                       | 320                                | 0.615                | 4.90                      |
| C20 .....               | 1500                       | 1152                      | 239                                | 0.777                | 5.37                      |
| C30 .....               | 1750                       | 1402                      | 298                                | 0.822                | 5.34                      |

### Standard Leaf Springs

| Series                           | Rating at Ground (lb each) | Rating at Pad (lb each) | Clamped Deflection Rate (lb/inch) | Semi-Elliptic Leaves |                 |                |
|----------------------------------|----------------------------|-------------------------|-----------------------------------|----------------------|-----------------|----------------|
|                                  |                            |                         |                                   | Number               | Length (inches) | Width (inches) |
| <b>SINGLE-STAGE:</b>             |                            |                         |                                   |                      |                 |                |
| G10 .....                        | 1125                       | 1000                    | 176                               | 6                    | 48              | 2              |
| K10 .....                        | 1650                       | 1350                    | 500                               | 5                    | 44              | 2½             |
| K20 .....                        | 1750                       | 1350                    | 500                               | 5                    | 44              | 2½             |
| P20, P30 .....                   | 2000                       | 1700                    | 490                               | 8                    | 44              | 2              |
| <b>TWO-STAGE, VARIABLE-RATE:</b> |                            |                         |                                   |                      |                 |                |
| CDLPQS50 .....                   | 2000                       | 1750                    | 400 to 540                        | 5                    | 59              | 2½             |
| NT50, ACDLQST60 .....            | 3000                       | 2700                    | 450 to 700                        | 6                    | 59              | 2½             |
| N60, S69, ACELNQTUV80 .....      | 3500                       | 3150                    | 540 to 850                        | 6                    | 59½             | 3              |
| MVXY60 .....                     | 4000                       | 3650                    | 580 to 840                        | 7                    | 59              | 2½             |
| M80, W80 .....                   | 4500                       | 4100                    | 700 to 1000                       | 7                    | 59½             | 3              |

### Optional Leaf Springs

| Series                            | Rating at Ground (lb each) | Rating at Pad (lb each) | Clamped Deflection Rate (lb/inch) | Semi-Elliptic Leaves |                 |                |
|-----------------------------------|----------------------------|-------------------------|-----------------------------------|----------------------|-----------------|----------------|
|                                   |                            |                         |                                   | Number               | Length (inches) | Width (inches) |
| <b>SINGLE-STAGE:</b>              |                            |                         |                                   |                      |                 |                |
| G10 .....                         | 1225                       | 1100                    | 208                               | 6                    | 48              | 2              |
| P30 .....                         | 2500                       | 2200                    | 726                               | 10                   | 44              | 2              |
| <b>TWO-STAGE, VARIABLE-RATE:</b>  |                            |                         |                                   |                      |                 |                |
| CDLPQS50 .....                    | 3000                       | 2700                    | 450 to 700                        | 6                    | 59              | 2½             |
| ACDLNQSTY60 .....                 | 3500★                      | 3150                    | 540 to 850                        | 6                    | 59½             | 3              |
| T50, CDLT60, S62, S64, S67 .....  | 4000▲                      | 3650                    | 580 to 840                        | 7                    | 59              | 2½             |
| ACDLMNQSTVXY60, ACELNQTUV80 ..... | 4500●                      | 4100                    | 700 to 1000                       | 7                    | 59½             | 3              |
| ANQCELMTUVW80 .....               | 5500+◆                     | 5050                    | 850 to 1315                       | 11                   | 59½             | 3              |
| CELMTUW80 .....                   | 7000■                      | 6500                    | 990 to 1550                       | 11                   | 59½             | 3              |

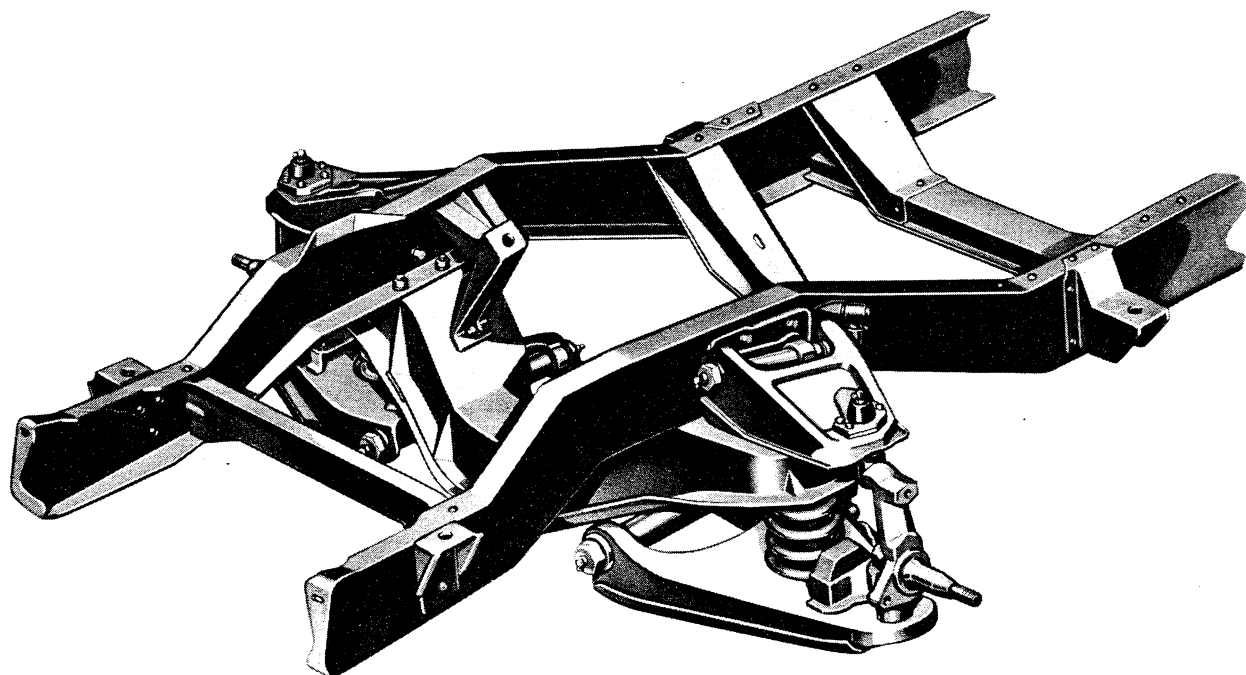
- ★ Included with 7000-lb I-beam front axle
- ▲ For use with 5000-lb I-beam front axle
- ◆ Rated at 5250 lb on ANQ80 Series

- + For use with 9000-lb I-beam front axle
- For use with 7000-lb and 9000-lb I-beam front axle
- For use with 11,000-lb I-beam front axle



# FRONT SUSPENSION

## INDEPENDENT FRONT SUSPENSION



**SERIES C10, P10, C20, C30**

All Series 10 through 30, except four-wheel drive and forward control models P20 and P30, are equipped with coil spring front suspension. Coil springs provide an extremely rugged and compact independent suspension assembly. Maintenance is reduced through the use of neoprene rubber boot seals for spherical joints and pivot shaft bushings. Lubrication interval is 6000 miles. Spring adjustments are not required.

Vertical walls of the suspension crossmember have a double thickness in critical areas to withstand loads and forces from the lower control arms and pivot shafts. Stamped-steel single-unit lower control arms contribute to a simplified design.

Upper and lower control arm pivot shafts are forged steel on Series 20 and 30 (steel bar stock on Series 10) to resist fore, aft and lateral movements. An outstanding feature of the upper control arm pivot shaft attachment is the ease and endurance of caster-camber adjustments.

Shock absorbers are stud-mounted to the frame at the top and clevis-mounted at the lower control arm.

A front stabilizer bar is optional, at extra cost, on series C10-30. It is designed for use with camper bodies or high center of gravity load applications.

### SUSPENSION CAPACITIES

|                       |          |
|-----------------------|----------|
| <b>Series:</b>        |          |
| <b>C10, P10</b> ..... | 2500 lbs |
| <b>C20</b> .....      | 3000 lbs |
| <b>C30</b> .....      | 3500 lbs |



**EL CAMINO MODELS**

The independent front suspension system of the El Camino utilizes stamped control arms, coil springs and special sealed pivot points.

The control arms are channel section heavy-gauge metal stampings and attach to the steering knuckles with non-metallic lined spherical joints. The lower arm features a tension-type spherical joint and the upper arm a compression joint unit. The four spherical joints require lubrication only every 6000 miles under normal driving conditions.

Coil springs are mounted between the lower arms and the

towers formed in the front crossmember. Shock absorbers are mounted vertically within the springs.

A conventional link-type stabilizer bar is standard equipment on all El Camino models.

### SUSPENSION CAPACITY

|                                |          |
|--------------------------------|----------|
| <b>Series:</b>                 |          |
| <b>133-134-135-13680</b> ..... | 1900 lbs |

# EL CAMINO TRANSMISSIONS

## SYNCHROMESH TRANSMISSIONS

| Type                       | 3-Speed                    | 3-Speed           | 4-Speed              |
|----------------------------|----------------------------|-------------------|----------------------|
| <b>Applications</b>        | 194 Six<br>230 Six         | 283 V8<br>327 V8* | 283 V8<br>327 V8     |
| <b>Gear Ratios:</b>        |                            |                   |                      |
| First                      | 2.94                       | 2.58              | 2.56                 |
| Second                     | 1.68                       | 1.48              | 1.91                 |
| Third                      | 1.00                       | 1.00              | 1.48                 |
| Fourth                     | —                          | —                 | 1.00                 |
| Reverse                    | 2.94                       | 2.58              | 2.64                 |
| <b>Gears:</b>              |                            |                   |                      |
| Type                       | Helical                    |                   |                      |
| Material                   | Forged steel, hardened     |                   |                      |
| <b>Synchronized Speeds</b> | 2nd and 3rd                |                   | All forward gears    |
| <b>Gearshift Control:</b>  |                            |                   |                      |
| Type                       | Manual remote              |                   | Manual direct        |
| Location                   | Mounted on steering column |                   | Mounted on the floor |

\*With 250-hp 327 V8 only.

## OVERDRIVE TRANSMISSIONS

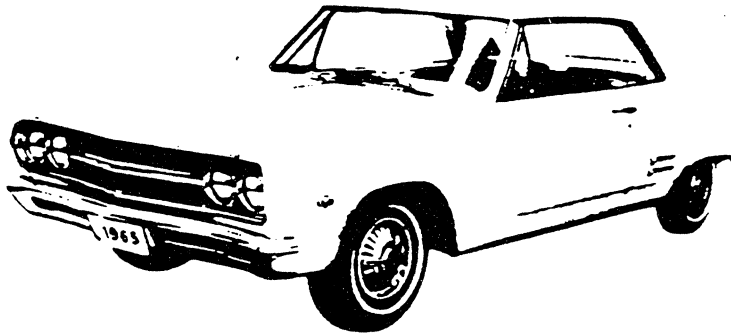
| Type                  | Three-pinion planetary unit integral with 3-speed synchromesh transmission |                              |                             |                              |
|-----------------------|--|------------------------------|-----------------------------|------------------------------|
| Applications          | 194 Six<br>230 Six   |                              | 283 V8                      |                              |
| <b>Ratios:</b>        |  |                              |                             |                              |
|                       | Overdrive unit<br>locked in  | Overdrive unit<br>locked out | Overdrive unit<br>locked in | Overdrive unit<br>locked out |
| First                 | 2.06   | 2.94                         | 1.81                        | 2.58                         |
| Second                | 1.18   | 1.68                         | 1.04                        | 1.48                         |
| Third                 | 0.70   | 1.00                         | 0.70                        | 1.00                         |
| Reverse               | 2.06   | 2.94                         | 1.81                        | 2.58                         |
| <b>Lockout Method</b> | By manual "pull type" control or accelerator kickdown                      |                              |                             |                              |

## AUTOMATIC TRANSMISSIONS

| Type                        | Chevrolet Powerglide 2-Speed Automatic                          |                        |                             |                        |
|-----------------------------|---|------------------------|-----------------------------|------------------------|
| Applications                | 194 Six   |                        | 230 Six<br>283 V8<br>327 V8 |                        |
| <b>Ratios:</b>              |   |                        |                             |                        |
|                             | Converter ratio<br>maximum                                      | Converter ratio<br>1:1 | Converter ratio<br>maximum  | Converter ratio<br>1:1 |
| Drive                       | 2.40  | 1.00                   | 2.10                        | 1.00                   |
| Low                         | 4.37  | 1.82                   | 3.82                        | 1.82                   |
| Reverse                     | 4.37  | 1.82                   | 3.82                        | 1.82                   |
| <b>Cooling</b>              | Air   |                        | Water*                      |                        |
| <b>Range Selector Lever</b> | Mounted on steering column<br>Selector lever in neutral or park |                        |                             |                        |
| <b>Location</b>             |   |                        |                             |                        |
| <b>Engine Starting</b>      |   |                        |                             |                        |

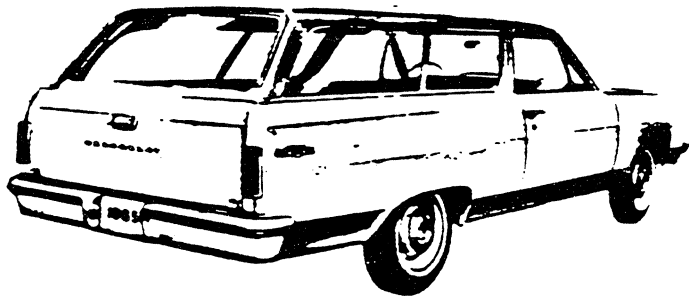
\*Transmission for 230-cu-in engine is air cooled.

# GENERAL



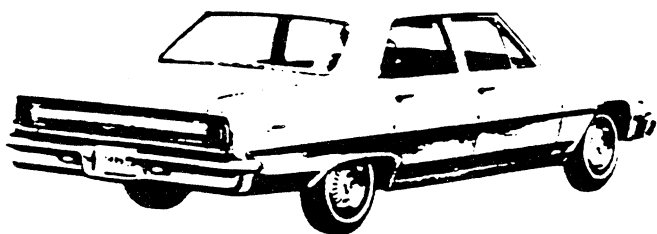
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## MODEL IDENTIFICATION



### 133-13400 CHEVELLE 300 DELUXE

MODEL 133-13411 2-DOOR SEDAN, 6-PASSENGER  
MODEL 133-13435 4-DOOR STATION WAGON, 2-SEAT  
MODEL 133-13469 4-DOOR SEDAN, 6-PASSENGER  
MODEL 133-13480 2-DOOR SEDAN PICKUP, 3-PASSENGER

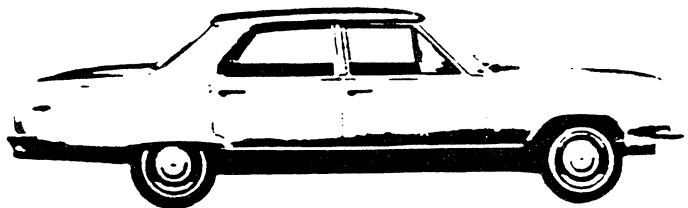


### 137-13800 MALIBU SUPER SPORT

MODEL 137-13837 2-DOOR SPORT COUPE, 4-PASSENGER  
MODEL 137-13867 2-DOOR CONVERTIBLE, 4-PASSENGER

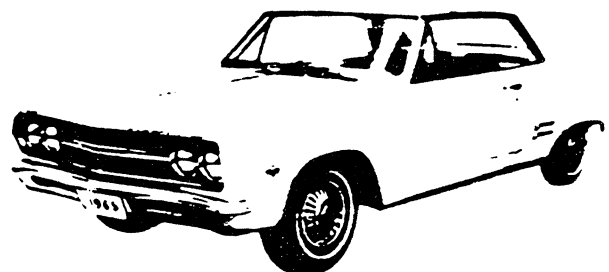
### 131-13200 CHEVELLE 300

MODEL 131-13211 2-DOOR SEDAN, 6-PASSENGER  
MODEL 131-13215 2-DOOR STATION WAGON, 2-SEAT  
MODEL 131-13269 4-DOOR SEDAN, 6-PASSENGER



### 135-13600 MALIBU

MODEL 135-13635 4-DOOR STATION WAGON, 2-SEAT  
MODEL 135-13637 2-DOOR SPORT COUPE, 5-PASSENGER  
MODEL 135-13667 2-DOOR CONVERTIBLE, 5-PASSENGER  
MODEL 135-13669 4-DOOR SEDAN, 6-PASSENGER  
MODEL 135-13680 2-DOOR SEDAN PICKUP, 3-PASSENGER



# SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

## VEHICLE SERIAL NUMBER

6-Cylinder Example:

| Model | Model Year | Assembly Plant | Unit Number |
|-------|------------|----------------|-------------|
| 13369 | 1965       | (Atlanta)      | (25th unit) |
|       | 5          | A              | 100025      |

Thus: The 25th model built at Atlanta would be serial number 133695A100025

8-Cylinder Example:

| Model | Model Year | Assembly Plant | Unit Number |
|-------|------------|----------------|-------------|
| 13469 | 1965       | (Atlanta)      | (26th unit) |
|       | 5          | A              | 100026      |

Thus: The 26th model built at Atlanta would be serial number 134695A100026

## ASSEMBLY PLANTS

|                |                 |
|----------------|-----------------|
| A - Atlanta    | K - Kansas City |
| B - Baltimore  |                 |
| G - Framingham | Z - Fremont     |

Starting unit number ----- 100001 and up at each assembly plant

Location ----- Stamped on plate attached to left front body hinge pillar



## ENGINE IDENTIFICATION

Example: F 1210 AA

| Source Designation | Production* Month and Date | Type Designation |
|--------------------|----------------------------|------------------|
| F (Flint)          | 1210                       | AA               |

194 Cubic inch 6-cylinder

AA - Regular engine, 3-speed

AL - Regular engine, Powerglide

327 cubic inch 8-cylinder

EA - Regular engine, 3-speed

EE - Regular engine, Powerglide

283 Cubic inch 8-cylinder

DA - Regular engine, 3-speed

DE - Regular engine, Powerglide

\* - Month: December, 12: 10th day of December, 10

6-Cylinder

8-Cylinder



Location:

6-cylinder ----- Stamped on pad on right side of cylinder block to rear of distributor

8-cylinder ----- Stamped on pad at front right side of cylinder block

## REAR AXLE IDENTIFICATION

Example: CA 0212 B

| Type Designation | Production* Month and Day | Source Designation |
|------------------|---------------------------|--------------------|
| CA               | 0212                      | B                  |

CA ----- 3.08:1 (Exc. 131-133-13500 Wagon-pickup)

CB ----- 3.36:1 (131-133-13500 Wagon-pickup)

\* - Month: February, 02: 12th day of February, 12

♠ - G-Gear & Axle, B-Buffalo, W-Warren

Location ----- stamped on right or left axle tube adjacent to differential carrier

# REGULAR EQUIPMENT—EXTERIOR

|                                       |  |  |                                       |
|---------------------------------------|--|--|---------------------------------------|
| Bright<br>Metal<br>Trim &<br>Moldings | Stainless<br>Steel                             | Back window reveal                     | All exc. wagons & conv.               |
|                                       |  | Pickup box edge and roof               | 133-134-135-13680                     |
|                                       |  | Rear belt reveal                       | 135-136-137-13867                     |
|                                       |  | Rear quarter window reveal             | 135-13635                             |
|                                       |  | Roof drip gutter                       | All exc. 131-13200; 135-136-137-13867 |
|                                       |  | Roof reveal                            | 135-136-137-13837                     |
|                                       |  | Tailgate window side and upper reveal  | Station wagons                        |
|                                       |  | Windshield header and pillar           | 135-136-137-13867                     |
|                                       |  | Windshield reveal                      | All                                   |
|                                       |  | Backup lamp provision covers           | 132-13400                             |
|                                       | Anodized<br>Aluminum                           | Body side upper                        | 135-13600                             |
|                                       |  | Body side lower                        | 133-13400                             |
|                                       |  | Body sill                              | 131-132-137-13800                     |
|                                       |  | Headlamp and taillamp bezels           | All                                   |
|                                       |  | Radiator grille and opening moldings   | All                                   |
|                                       |  | Rear cove area reveal                  | All exc. 131-13200; station wagons    |
|                                       |  | Wheel openings                         | 135-136-137-13800                     |
|                                       |  | Deck lid emblem "SS"                   | 137-13800                             |
|                                       |  | Front door vent channel and post       | All                                   |
|                                       |  | Front door vent window frame           | 135-13637; 67; 137-13800              |
|                                       | Chrome<br>Plated<br>Metal                      | Front fender engine emblem - V8 only   | All                                   |
|                                       |  | Hood windsplit                         | 135-136-137-13800                     |
|                                       |  | Hood lettering "Chevrolet"             | All                                   |
|                                       |  | Hub caps                               | All exc. 137-13800                    |
|                                       |  | Quarter window glass channel           | 135-13637; 67; 137-13800              |
|                                       |  | Rear cove area trim panels (2)         | All exc. 131-132-133-13400; 135-13635 |
|                                       |  | Rear quarter accent bars (2)           | 137-13800                             |
|                                       |  | Rear cove area lettering - "Chevrolet" | All exc. station wagons               |
|                                       |  | Rear quarter series nameplate          | All                                   |
|                                       |  | Tailgate trim panel                    | 135-13635                             |
|                                       |  | Tailgate lettering                     | Station wagons                        |
|                                       |  | Tailgate manual window control         | All                                   |
|                                       | Wheel trim covers                              | 137-13800                              |                                       |
|                                       | Back-up lamps                                  | 135-136-137-13800                      |                                       |
|                                       | Control - manual rear window                   | Station wagons                         |                                       |
|                                       | Filler - left rear quarter gasoline            | All exc. station wagons                |                                       |
|                                       | Filler - hinged license plate gasoline         | All                                    |                                       |
|                                       | Lamp - rear license                            | Convertibles                           |                                       |
|                                       | Top - counterbalanced manual folding           | All                                    |                                       |
|                                       | Wipers - dual electric single speed windshield | All                                    |                                       |

## REGULAR EQUIPMENT—INTERIOR

|   |  |                            |
|---|--|----------------------------|
| Bright<br>Metal<br>Trim &<br>Moldings                           | Coat hooks                                       | All exc. convertibles      |
|   | Console - floor center (4-speed, Powerglide)     | 137-13800                  |
|   | Door and window control handles - black knobs    | All                        |
|   | Door sill plates                                 | All                        |
|   | Front seat end panels                            | 135-13680; 137-13800       |
|   | Rear view mirror back and support                | 135-136-137-13800          |
|   | Roof side rail                                   | 135-136-137-13837          |
|   | Seat adjuster handle                             | 137-13800                  |
| Instrument<br>Panel   | Sunshade supports                                | All                        |
|   | Cigarette lighter and ash tray                   | All                        |
|   | Control knobs - chrome                           | All                        |
|   | Electric clock                                   | 135-136-137-13800          |
|   | Glove box door nameplate and trim plate          | 135-136-137-13800          |
|   | Glove box lock                                   | All                        |
|   | Ignition lock and starter switch - 4 position    | All                        |
|   | Instrument cluster housing - bright              | All                        |
|   | Speedometer - odometer - fuel gauge              | All                        |
|   | Temperature - oil pressure - amps warning lights | 131-132-133-134-135-13600  |
|   | Temperature - oil pressure - amps gauges         | 137-13800                  |
| Interior<br>Lights  | Vent control knobs - black                       | All                        |
|   | Console courtesy (4-speed, Powerglide)           | 137-13800                  |
|   | Glove box  | 135-136-137-13800          |
|   | Instrument panel courtesy - dual                 | 135-136-137-13867          |
| Steering<br>Wheel   | Roof center dome                                 | All exc. 135-136-137-13867 |
|   | Deep hub - dual solid spokes - horn button       | 131-13200                  |
|   | Deep hub - dual solid spokes - horn ring         | 133-13400                  |
| Armrests - front door   | 135-136-137-13800                                |                            |
| Armrests with ashtrays - rear door or quarter panel             | All  |                            |
| Cover - spare tire  | All exc. 131-13200                               |                            |
| Heater - deluxe   | Station wagons                                   |                            |
| Locking knobs - front and rear door                             | All  |                            |
| Mat - luggage or stowage compartment (exc. no mat on 131-13200) | All  |                            |
| Mirror - rear view (painted)                                    | 131-132-133-13400                                |                            |
| Seat belts, front   | All  |                            |
| Seats - front bucket  | All  |                            |
| Sunshades - dual  | 137-13800  |                            |
| Switch - front door jamb  | All  |                            |
| Switch - manual interior light (integral in headlamp switch)    | All exc. 131-13200                               |                            |
|   | All  |                            |

# REGULAR PRODUCTION OPTIONS

## BODY OPTIONS

| Name  | Number                             | Models                      |     |
|---|------------------------------------|-----------------------------|-----|
| Air conditioning, Four Season                   | C60                                | All                         |     |
| Air deflector, rear window                      | C51                                | Station wagons              |     |
| Antenna, radio rear manual                      | U73                                | All exc. wagons & pickup    |     |
| Body, heavy duty                                | B01                                | 13169                       |     |
| Body molding, wheel trim cover                  | Z08                                | 131,13200                   |     |
| Bucket seat, 4-way control (driver's side only) | A46                                | 137,13800                   |     |
| Carrier, roof luggage                           | V55                                | Station wagons              |     |
| Comfort and Convenience                         | Lamp, glove box                    | Z01                         | All |
|   | Lamp, back-up                      |                             |     |
|   | Mirror, inside & outside rear view |                             |     |
|   | Wiper and washer, 2-speed w/s      |                             |     |
|   | Mirror, remote control outside     |                             |     |
| Defogger, rear window                           | C50                                | All exc. conv. & wagons     |     |
| Glass, tinted                                   | A01                                | All                         |     |
| Glass, tinted windshield                        | A02                                |                             |     |
| Guard, front bumper                             | V31                                |                             |     |
| Guard, rear bumper                              | V32                                | All exc. wagons & pickup    |     |
| Heater, (delete)                                | C48                                | All                         |     |
| Horn, low "D" note                              | U03                                | All exc. 131,13200          |     |
| Lock, spare wheel                               | P19                                | All                         |     |
| Pad, instrument panel                           | B70                                |                             |     |
| Radio and antenna, manual tuning                | U60                                |                             |     |
| Radio and antenna, push button tuning           | U63                                |                             |     |
| Radio and antenna, AM-FM push button tuning     | U69                                |                             |     |
| Radio stereo equipment                          | U79                                | 13837                       |     |
| Roof cover, exterior soft trim (black)          | C08                                | 135,136,137,13837           |     |
| Seat belts, custom deluxe (with retractors)     | A49                                | All                         |     |
| Seat belts, custom deluxe rear                  | A47                                | 13000 exc. pick-up          |     |
| Seat belts, custom rear                         | A64                                |                             |     |
| Seat belts, (delete)                            | A62                                | All                         |     |
| Seat, split second (Fawn interior only)         | A66                                | Station wagons              |     |
| Seat, 4-way electrical                          | A41                                | All exc. 137,13800 & pickup |     |
| Speaker, radio auxiliary                        | U80                                | All exc. conv. & pickup     |     |
| Tachometer, instrument panel                    | U16                                | 132,134,136,13800           |     |
| Taxicab equipment                               | B02                                | 13169                       |     |
| Top, folding electric convertible               | C06                                | 135,136,137,13867           |     |
| Top, folding convertible (color options)        | C05                                |                             |     |
| Windows, electric                               | A31                                | All exc. 131,13200          |     |
| Window, electric tailgate                       | A33                                | Station wagons              |     |

## ENGINE OPTIONS

|                                     |     |                   |
|-------------------------------------|-----|-------------------|
| Clutch, heavy duty                  | M01 | 131,133,135,13700 |
| Fan, thermomodulated clutch         | K02 | 132,134,136,13800 |
| Generator, Delcotron 6-55 amp.      | K77 | All               |
| Generator, 12-42 amp.               | K79 |                   |
| Generator, 23-62 amp.               | K81 |                   |
| Radiator, heavy duty                | V01 |                   |
| Regulator and ignition, transistor  | K66 | 132,134,136,13800 |
| Ventilation, engine positive closed | K24 | All               |
| 230 Cubic Inch L-6 144 HP           | L26 | 131,133,135,13700 |
| 327 Cubic Inch V-8 250 HP           | L30 | 132,134,136,13800 |
| 327 Cubic Inch V-8 300 HP           | L74 |                   |
| 327 Cubic Inch V-8 350 HP           | L79 |                   |



## CHASSIS OPTIONS

| Name                                 |                               | Number | Models                   |
|--------------------------------------|-------------------------------|--------|--------------------------|
| Axle, rear (3.36:1 ratio)            |                               | G76    | All exc. wagons          |
| Axle, rear (3.70:1 ratio)            |                               | G75    | 134,13680                |
| Axle, rear (3.73:1 ratio)            |                               | H05    |                          |
| Axle, rear limited slip              |                               | G80    | All                      |
| Battery, heavy duty                  |                               | T60    |                          |
| Brakes, vacuum power                 |                               | J5C    |                          |
| Brakes, metallic                     |                               | J65    |                          |
| Chassis, heavy duty                  |                               | Z04    |                          |
| Cover, wheel trim                    |                               | P01    | 13169                    |
| Cover, simulated wire wheel          |                               | P02    | All exc. 137-1380C       |
| Exhaust, dual                        |                               | N10    | All                      |
| Shock absorber, rear air lift        |                               | G66    | 132,134,136,1380C        |
| Shock absorber, rear level control   |                               | G67    | All exc. pickup          |
| Steering, power                      |                               | N40    | All                      |
| Steering wheel, tilt type            |                               | N33    |                          |
| Steering wheel, wood grained plastic |                               | N34    |                          |
| Suspension, special front and rear   |                               | F40    |                          |
|                                      |                               |        |                          |
| Tires                                | 6.95 x 14-4pr whitewall rayon | P67    | All exc. wagons & pickup |
|                                      | 7.35 x 14-4pr blackwall rayon | P57    |                          |
|                                      | 7.35 x 14-4pr whitewall rayon | P58    |                          |
|                                      | 7.75 x 14-4pr blackwall nylon | P66    | All                      |
|                                      | 7.75 x 14-4pr blackwall rayon | P65    |                          |
|                                      | 7.75 x 14-4pr whitewall rayon | P62    |                          |
|                                      | 7.75 x 14-4pr whitewall nylon | P61    |                          |
| 7.75 x 14-8pr blackwall rayon        | T14                           |        |                          |

## TRANSMISSION OPTIONS

|                                      |     |                   |
|--------------------------------------|-----|-------------------|
| Three speed transmission, heavy duty | M13 | 132,134,136,1380C |
| Four speed transmission              | M2C |                   |
| Overdrive transmission               | M10 | All               |
| Powerglide transmission              | M35 |                   |
| Transmission oil cooler - Powerglide | M55 | 131,133,135,1370C |

# DEALER INSTALLED ACCESSORIES

| Item   | Models                              |
|--|-------------------------------------|
| Air conditioning, recirculating air (Custom) | All                                 |
| Air deflector, rear window                   | Station wagons                      |
| Antenna, radio from manual                   | All                                 |
| Antenna, radio rear manual                   | All except wagons & pickup          |
| Brake, vacuum power                          | All                                 |
| Cap, gas tank filler locking                 | All                                 |
| Carrier, roof luggage                        | Station wagons                      |
| Clock, instrument panel                      | 131-132-133-13400                   |
| Clock, universal (instr. pnl. top mount.)    | All                                 |
| Compass, auto                                | All                                 |
| Container, floor litter (saddle type)        | All except floor shift transmission |
| Cover, roof luggage carrier                  | Station wagons                      |
| Cover, simulated magnesium wheel trim        | All                                 |
| Cover, simulated wire wheel trim             | All except wagons                   |
| Cover, spare wheel and tire                  | All except SS                       |
| Cover, wheel trim                            | All except SS                       |
| Cruise control                               | All                                 |
| Defogger, rear window                        | All except convertible and wagons   |
| Fan, thermomodulated clutch                  | 132-134-136-13800                   |
| Fire extinguisher, 2-3 4 & 5 lb dry chemical | All                                 |
| Frame, license plate                         | All                                 |
| Guard, door edge                             | All                                 |
| Guard, front bumper                          | All                                 |
| Guard, rear body splash                      | Station wagons                      |
| Guard, rear bumper                           | All except wagons                   |
| Horn, low "D" note                           | All                                 |
| Lamp, ash tray                               | All                                 |
| Lamp, back up                                | 131-132-133-13400                   |
| Lamp, courtesy                               | All except convertible              |
| Lamp, glove box                              | 131-132-133-13400                   |
| Lamp, luggage compartment                    | All except wagons                   |
| Lamp, parking brake alarm                    | All                                 |
| Lamp, portable spot                          | All                                 |
| Lamp, straight shaft spot                    | All                                 |
| Lamp, underhood                              | All                                 |
| Lock, rear door safety                       | All four door models                |
| Lock release, luggage compartment remote     | All except wagons & pickup          |
| Lock, spare wheel                            | All                                 |
| Luggage carrier, deck lid                    | All except wagons & pickup          |
| Mat, contour twin front floor                | All                                 |
| Mat, contour twin rear floor                 | All                                 |
| Mat, full width front floor                  | All except sport models             |
| Mat, full width rear floor                   | All                                 |
| Mat, rear compartment floor                  | Station wagons                      |
| Mirror, inside rear view prismatic           | All                                 |
| Mirror, outside rear view                    | All                                 |
| Mirror, remote operated outside rear view    | All                                 |
| Mirror, visor vanity                         | All except convertible              |
| Molding, body sill                           | All except SS                       |
| Radiator insect screen                       | All                                 |
| Radio and antenna, AM-FM push button tuning  | All                                 |
| Radio and antenna, manual tuning             | All                                 |
| Radio and antenna, push button tuning        | All                                 |
| Radio speaker, rear auxiliary                | All except convertible              |
| Radio stereo equipment                       | All                                 |
| Rain deflector                               | All except sport models             |
| Seat belts, Custom Deluxe                    | All                                 |
| Seat belt retractors                         | All                                 |
| Seat cushion, ventilated                     | All                                 |
| Shock absorber, rear level control           | All                                 |
| Switch, traffic hazard lamp                  | All                                 |
| Tachometer, instrument panel mounted         | All except SS                       |
| Tissue dispenser (saddle type)               | All                                 |
| Tissue dispenser, instrument panel           | All                                 |
| Tool kit                                     | All                                 |
| Trailer hitch, 2000 pound capacity           | All                                 |
| Windshield washer, single speed wiper        | All                                 |
| Wiring harness, car to trailer connecting    | All                                 |

# TAXI-CAB EQUIPMENT-RPO B02

## MODEL APPLICATION:

4-Door Sedan, 13169

### BODY (RPO B02)

#### INTERIOR TRIM

Standard ----- Cloth/vinyl; fawn, aqua, red  
Optional ----- All vinyl; medium fawn (RPO 759)

#### FLOOR

Covering, front and rear  
(including foot rest area) ----- Mastic deadener material  
Mats, front and rear ----- Black rubber; .125  
minimum thickness. Regular production design rein-  
forcing patch under accelerator location. Matching  
design and border for both mats.

#### ARM REST

Rear door ----- LH and RH added

#### SEAT CUSHIONS AND BACKS

Seat cushions, front ----- Same as production  
with addition of auxiliary helper spring and jute  
silencer to front of main spring. Jute replaces pro-  
duction cotton pad.

Seat cushions, rear ----- Same as production  
with addition of main spring helper, jute silencer, and  
small helper springs on front corners.

Seat backs, front ----- Same as production  
with addition of helical tie wires to seat face.

Seat backs, rear ----- Same as production with 1  
helical tie wire assembly and 2 corrugated face strips.

### FRAME (RPO B02)

#### FRAME

Type ----- Heavy gauge front extensions,  
and special reinforcement at front crossmember to  
side member and lower control arm attachment.

### SUSPENSION (RPO B02)

#### SPRINGS

Front and rear ----- Heavy duty

#### SHOCK ABSORBERS

Front and rear ----- Heavy duty

### ENGINE (RPO B02)

#### 6-CYLINDER MODELS

Compression rings ----- Special chrome top  
Oil ring rails ----- Chrome  
Clutch ----- Heavy duty with  
improved driven plate, 10" diameter instead of 9.12".  
Water pump ----- Special ceramic rotor seat  
for improved durability

### TRANSMISSION (RPO B02)

#### POWERGLIDE

Components ----- Water cooled; larger  
converter than production (11.75" instead of 11").  
higher capacity clutch (4 driven plates rather than 3);  
converter drain plug.

### WHEELS AND TIRES (RPO B02)

#### WHEELS AND TIRES

Wheel size ----- 14 x 5J  
Tire size ----- 7.75 x 14-4PR

### ELECTRICAL (RPO B02)

#### DOOR JAMB SWITCH

Dome light operation ----- All four doors

#### DOOR OPENING WARNING LIGHTS

Location ----- Bright metal bracket under instru-  
ment panel, left of steering column

#### STORAGE BATTERY

Type ----- 61 amp., 12 volts, 11 plate

### RADIATOR (RPO B02)

#### RADIATOR

Type ----- High cooling capacity radiators  
used on both standard and Powerglide transmission  
models, with 2-plate oil cooler on Powerglide vehicles.

# HEAVY DUTY CHASSIS AND BODY EQUIPMENT

## MODEL APPLICATION:

4-Door Sedan, 13169

### BODY (B01)

#### INTERIOR TRIM

Standard ----- Cloth/vinyl, fawn, aqua, red  
Optional ----- All vinyl; medium fawn (RPO 759)

#### FLOOR

Covering, front and rear  
(including foot rest area) ----- Mastic deadener material  
Mats, front and rear ----- Black rubber, .125  
minimum thickness. Regular production design rein-  
forcing patch under accelerator location. Matching  
design and border for both mats.

#### SEAT CUSHIONS AND BACKS

Seat cushions, front ----- Same as production  
with addition of auxiliary helper spring and jute  
silencer to front of main spring. Jute replaces pro-  
duction cotton pad.  
Seat cushions, rear ----- Same as production  
with addition of main spring helper, jute silencer, and  
small helper springs on front corners.  
Seat backs, front ----- Same as production  
with addition of helical tie wires to seat face.  
Seat backs, rear ----- Same as production with 1  
helical tie wire assembly and 2 corrugated face strips.

### SUSPENSION (RPO Z04)

#### SPRINGS

Front and rear ----- Heavy duty

#### SHOCK ABSORBERS

Front and rear ----- Heavy duty

### ENGINE (RPO Z04)

#### CLUTCH

Type ----- Heavy duty with  
improved driven plate, 10" diameter instead of 9.12"

### TRANSMISSION (RPO Z04)

#### POWERGLIDE

Components ----- Water cooled, larger  
converter than production (11.75" instead of 11")  
higher capacity clutch (4 driven plates rather than 3)  
converter drain plug.

### WHEELS AND TIRES (RPO Z04)

#### WHEELS AND TIRES

Wheel size ----- 15 x 5-1 2K  
Tire size -----  
Sedan ----- 7.75 x 15-4PR  
Station wagon ----- 7.75 x 15-6PR

### ELECTRICAL (RPO Z04)

#### STORAGE BATTERY

Type ----- 61 amp., 12 volts, 11 plate

### RADIATOR (RPO Z04)

#### RADIATOR

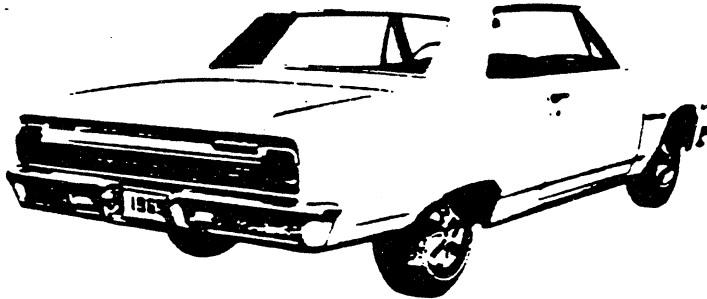
Type ----- Higher cooling capacity radiators  
used on both standard and Powerglide transmission  
models, with 2-plate oil cooler on Powerglide vehicles.

# MALIBU SS 396 EQUIPMENT—RPO Z16

Model Application:

13837 2-Door Sport Coupe 4-Passenger

SPECIFICATIONS OTHER THAN SHOWN ARE REGULAR PRODUCTION



## BODY EQUIPMENT

### INTERIOR STYLING

Trim colors ----- Red, black, and white  
 Other styling features ----- Rear seat belts, custom deluxe front seat belts, AM-FM 4-speaker stereo radio, Universal clock mounted top of instrument panel, 160MPH calibrated speedometer, special oil gauge and tachometer, outside remote control mirror.

### EXTERIOR STYLING

Colors ----- Red, black, yellow  
 Other styling features ----- Simulated magnesium wheel trim covers, front fender Malibu SS nameplate and crossed flags engine emblem, removal of rear cove perimeter molding, twin ornamental bars, rear SS emblem, "Chevrolet" block letters, bright molding on tail lamp lens. New ribbed rear cove molding with black paint fill and Malibu SS 396 nameplate added above.

## CHASSIS EQUIPMENT

### GENERAL

Description ----- Stronger convertible frame using two additional body mounts and reinforcements between upper and lower control arm pivots.

### FRONT SUSPENSION

Stabilizer bar ----- 1.06 dia.  
 Front springs ----- 320 lb/in rate,  
 1675 @ 12.59 design load,  
 135.9 length x .637 dia.

### REAR SUSPENSION

Description ----- Regular 4-link system fitted with a frameless stabilizer between lower control arms.  
 Rear springs ----- 120 lb/in rate,  
 600 lb @ 9.74 design load,  
 108.6 length x .542 dia.

### REAR AXLE

Description ----- Heavy duty wheel bearings, axle tubes and shafts  
 Ratio ----- 3.31:1  
 Ring gear dia. ----- 8.575

### BRAKES

Description ----- 11" dia. hydraulic with integral vacuum power assist unit.  
 Effective lining area (sq. in.) ----- 183.4  
 Gross lining area (sq. in.) ----- 198.4  
 Brake effectiveness ----- 58.5  
 Wheel cylinder bore ----- 1.1875

### STEERING

Description ----- Saginaw semi-reversible power boost gear  
 Ratio ----- 15.0:1

### WHEELS AND TIRES

Wheels ----- 14.0x6 wide base, riveted rim-spider construction  
 Tires ----- 7.75 x 14 nylon, gold stripe  
 Rev. mi @ 50 MPH ----- 774

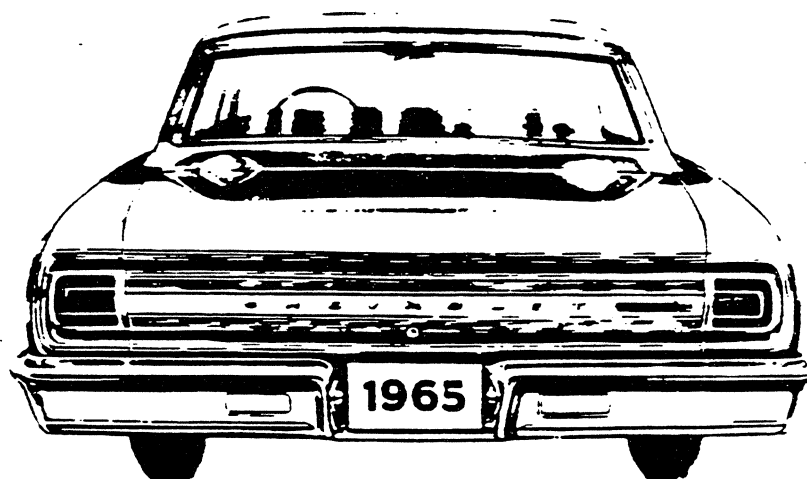
### POWER TRAIN

Description ----- 396 cubic inch 375 horsepower V-8 engine, 375 HP @ 5600 RPM, 420 lb torque @ 3600, 11.0:1 compression ratio, 4.094 x 3.76 bore and stroke. Chrome air cleaner cover, valve rocker covers, fuel, air and vacuum lines, oil filler cap and oil level gauge handle, 61 amp battery, high torque starter.

## MANDATORY OPTIONS

| RPO     | ITEM  |
|---------|---|
| A47     | Rear seat belts                                 |
| A49     | Custom deluxe front seat belts, with retractors |
| B70     | Instrument panel pad                            |
| U50     | Vacuum power brake                              |
| L37     | Turbo-Jet 396, 375 HP engine                    |
| M20     | 4-Speed transmission, 2.56:1 low gear           |
| N40     | Hydraulic steering                              |
| U16     | Tachometer                                      |
| U69/U70 | Stereo adapter with AM/FM radio                 |
| Z13     | Remote control outside mirror                   |

## EXTERIOR PAINT PROCESS



1. **RUSTPROOFING . . .** Bare steel is thoroughly treated with chemicals that etch the metal for improved paint adhesion. This chemical also cleans the metal to give it a corrosion-resisting surface.
2. **BODY AND SHEET METAL PRIMER . . .** Four different and specially formulated corrosion resistant primers are used during sub-assembly of the body where rust could possibly develop. Areas considered especially critical are subsequently coated with another type rust inhibiting compound, after the lacquer coats have been applied.  
A primer coat is applied to all outside and inside surfaces of the front fenders and hood. This is done by dipping or flowcoating to insure coating in all seams and secluded areas, and then baking at 390 degrees F for 30 minutes. After baking, a coat of sealer is applied to all surfaces requiring a subsequent coat of lacquer.
3. **PRIMER-SURFACER COAT AND FLASH PRIME COAT . . .** An air dried flash prime coat is applied to surfaces below the beltline. Next, a full primer-surfacer coat is applied to all outside surfaces of the body receiving lacquer and then oven baked for 45 minutes at 285 degrees F.
4. **SANDING . . .** Power wet sanding followed by hand sanding is done on all surfaces requiring lacquer.

Upon inspection, spot sanding assures an absolutely smooth surface for the lacquer. After lacquer application and initial baking, final wet sanding, both power and hand, prepares the body for final baking by removing surface irregularities.

5. **LACQUERING . . .** Many coats of acrylic lacquer are now sprayed on the surfaces to build up a finish of the required thickness for each color.
6. **INITIAL BAKING . . .** To set up the paint hardness for final sanding the body is baked for approximately 10 minutes at 200 degrees F.
7. **FINAL BAKING . . .** To assure a durable, hard, high luster finish the lacquer is now baked for 30 minutes at 275 degrees F. Re-baking the lacquer after final sanding permits paint film to soften and allows surface blemishes and sanding scratches to disappear during the thermo-reflow process.
8. **UNDERCOATING . . .** An asphaltic based-asbestos fiber type sound deadener is sprayed inside the wheel housings and on the underside of the underbody at designated locations to block out road noises.
9. **PAINT REPAIR . . .** Any slight mars, nicks, or scratches that might occur during final assembly are factory-repaired and corrected before shipment. Light "slush" polishing is done to bring painted surfaces to a high luster finish. Wax is sprayed on each vehicle for protection during transit.

# EXTERIOR—INTERIOR COLOR COMBINATIONS

131-13200 CHEVELLE 300  
 ■  
 133-13400 CHEVELLE 300 DELUXE  
 ■  
 EL CAMINO

|                        |                    | INTERIOR TRIM COLORS AND RPO NUMBERS |               |     |                    |      |     |     |
|------------------------|--------------------|--------------------------------------|---------------|-----|--------------------|------|-----|-----|
|                        |                    | Fawn                                 | Aqua          | Red | Fawn               | Aqua | Red |     |
|                        |                    | Model 13480                          |               |     | Models 13411-69-35 |      |     |     |
|                        |                    | 765                                  | 745           | 794 | 762                | 749  | 775 |     |
| EXTERIOR               |                    | Model 13215                          |               |     | Models 13211-6C    |      |     |     |
| RPO                    | Color              | Sales Name                           | 765           | 755 | 781                | 764  | 751 | 750 |
| AA                     | Black              | Tuxedo Black                         | X             | X   | X                  | X    | X   | X   |
| CC                     | White              | Ermine White                         | X             | X   | X                  | X    | X   | X   |
| DD                     | Med. Blue          | Mist Blue                            | X             |     |                    | X    |     |     |
| EE                     | Dk. Blue           | Danube Blue                          | X             |     |                    | X    |     |     |
| HH                     | Med. Green         | Willow Green                         | X             |     |                    | X    |     |     |
| JJ                     | Dk. Green          | Cypress Green                        | X             |     |                    | X    |     |     |
| KK                     | Med. Aqua          | Artesian Turquoise                   | X             | X   |                    | X    | X   |     |
| LL                     | Dk. Aqua           | Tahitian Turquoise                   | X             | X   |                    | X    | X   |     |
| NN                     | Maroon             | Madeira Maroon                       | X             |     | X                  | X    |     | X   |
| PP                     | Orchid             | Evening Orchid                       | Not Available |     |                    |      |     |     |
| RR                     | Red                | Regal Red                            | X             |     | X                  | X    |     | X   |
| SS                     | Saddle             | Sierra Tan                           | X             |     |                    | X    |     |     |
| VV                     | Beige              | Cameo Beige                          | X             |     | X                  | X    |     | X   |
| WW                     | Slate              | Glacier Gray                         | Not Available |     |                    |      |     |     |
| YY                     | Yellow             | Crocus Yellow                        | Not Available |     |                    |      |     |     |
| Two-Tone (Lower/Upper) |                    |                                      |               |     |                    |      |     |     |
| CK                     | White/Med. Aqua    |                                      |               | X   |                    |      | X   |     |
| DC                     | Med. Blue/White    | Not Available                        |               |     |                    |      |     |     |
| HC                     | Med. Green/White   | Not Available                        |               |     |                    |      |     |     |
| JV                     | Dk. Green/Beige    |                                      | X             |     |                    | X    |     |     |
| LK                     | Dk. Aqua/Med. Aqua |                                      |               | X   |                    |      | X   |     |
| SV                     | Saddle/Beige       |                                      | X             |     |                    | X    |     |     |
| VN                     | Beige/Maroon       |                                      | X             |     |                    | X    |     |     |
| WA                     | Slate/Black        | Not Available                        |               |     |                    |      |     |     |
| YC                     | Yellow/White       | Not Available                        |               |     |                    |      |     |     |

NOTE: Two-tone not available on Model 13480.

# EXTERIOR-INTERIOR COLOR COMBINATIONS-CONT'D

## 135-13600 MALIBU AND DELUXE EL CAMINO

|                        |                    |                    | INTERIOR TRIM COLORS AND RPO NUMBERS |      |     |      |                       |      |      |     |
|------------------------|--------------------|--------------------|--------------------------------------|------|-----|------|-----------------------|------|------|-----|
|                        |                    |                    | Fawn                                 | Aqua | Red | Blue | Saddle                | Fawn | Aqua | Red |
|                        |                    |                    | Models 13666-3*                      |      |     |      | Model 13680           |      |      |     |
|                        |                    |                    | 743                                  | 750  | 772 | 740  | 707                   | 743  | 750  | 772 |
| EXTERIOR               |                    |                    | Models 13667-35                      |      |     |      | 13680 bucket seat car |      |      |     |
| RPO                    | Color              | Sales Name         | 766                                  | 753  | 774 | 742  | 709                   | 717  | 724  | 726 |
| AA                     | Black              | Tuxedo Black       | X                                    | X    | X   | X    | X                     | X    | X    | X   |
| CC                     | White              | Ermine White       | X                                    | X    | X   | X    | X                     | X    | X    | X   |
| DD                     | Med. Blue          | Mist Blue          | X                                    |      |     | X    |                       | X    |      |     |
| EE                     | Dk. Blue           | Danube Blue        | X                                    |      |     | X    |                       | X    |      |     |
| HH                     | Med. Green         | Willow Green       | X                                    |      |     |      |                       | X    |      |     |
| JJ                     | Dk. Green          | Cypress Green      | X                                    |      |     |      | X                     | X    |      |     |
| KK                     | Med. Aqua          | Artesian Turquoise | X                                    | X    |     |      |                       | X    | X    |     |
| LL                     | Dk. Aqua           | Tahitian Turquoise | X                                    | X    |     |      |                       | X    | X    |     |
| NN                     | Maroon             | Madeira Maroon     | X                                    |      | X   |      | X                     | X    |      | X   |
| PP                     | Orchid             | Evening Orchid     | Not Available                        |      |     |      |                       |      |      |     |
| RR                     | Red                | Regal Red          | X                                    |      | X   |      |                       | X    |      | X   |
| SS                     | Saddle             | Sierra Tan         | X                                    |      |     |      | X                     | X    |      |     |
| VV                     | Beige              | Cameo Beige        | X                                    |      | X   |      | X                     | X    |      | X   |
| WW                     | Slate              | Glacier Gray       | Not Available                        |      |     |      |                       |      |      |     |
| YY                     | Yellow             | Crocus Yellow      | Not Available                        |      |     |      |                       |      |      |     |
| Two-Tone (Lower/Upper) |                    |                    |                                      |      |     |      |                       |      |      |     |
| CK                     | White/Med. Aqua    |                    |                                      | X    |     |      |                       |      |      |     |
| DC                     | Med. Blue/White    |                    |                                      |      |     | X    |                       |      |      |     |
| HC                     | Med. Green/White   |                    | Not Available                        |      |     |      |                       |      |      |     |
| JV                     | Dk. Green/Beige    |                    | X                                    |      |     |      | X                     |      |      |     |
| LK                     | Dk. Aqua/Med. Aqua |                    |                                      | X    |     |      |                       |      |      |     |
| SV                     | Saddle/Beige       |                    | X                                    |      |     |      | X                     |      |      |     |
| VN                     | Beige/Maroon       |                    | X                                    |      |     |      |                       |      |      |     |
| WA                     | Slate/Black        |                    | Not Available                        |      |     |      |                       |      |      |     |
| YC                     | Yellow/White       |                    | Not Available                        |      |     |      |                       |      |      |     |

Convertible top: White, black, or beige with any exterior color.



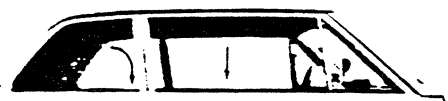
137-138 MALIBU SUPER SPORT

| EXTERIOR               |            |                    | INTERIOR TRIM COLORS AND RPO NUMBERS |     |      |        |       |        |        |       |
|------------------------|------------|--------------------|--------------------------------------|-----|------|--------|-------|--------|--------|-------|
|                        |            |                    | Fawn                                 | Red | Blue | Saddle | Black | White  | White  | Slate |
| RPO                    | Color      | Sales Name         | Models 13837-67                      |     |      |        |       |        |        |       |
|                        |            |                    | 770                                  | 786 | 741  | 710    | 714   | 790(a) | 792(b) | 799   |
| AA                     | Black      | Tuxedo Black       | X                                    | X   | X    | X      | X     | X      | X      | X     |
| CC                     | White      | Ermine White       | X                                    | X   | X    | X      | X     | X      | X      | X     |
| DD                     | Med. Blue  | Mist Blue          | X                                    |     | X    |        |       |        |        |       |
| EE                     | Dk. Blue   | Danube Blue        | X                                    |     | X    |        |       |        |        | X     |
| HH                     | Med. Green | Willow Green       | X                                    |     |      |        | X     |        |        |       |
| JJ                     | Dk. Green  | Cypress Green      | X                                    |     |      |        | X     | X      |        |       |
| KK                     | Med. Aqua  | Artesian Turquoise | X                                    |     |      |        | X     | X      | X      |       |
| LL                     | Dk. Aqua   | Tahitian Turquoise | X                                    |     |      |        |       | X      |        |       |
| NN                     | Maroon     | Madeira Maroon     | X                                    | X   |      |        | X     | X      |        | X     |
| PP                     | Orchid     | Evening Orchid     |                                      |     |      |        | X     |        |        | X     |
| RR                     | Red        | Regal Red          | X                                    | X   |      |        | X     |        |        | X     |
| SS                     | Saddle     | Sierra Tan         | X                                    |     |      |        | X     | X      |        |       |
| VV                     | Beige      | Cameo Beige        | X                                    | X   |      |        | X     | X      |        |       |
| WW                     | Slate      | Glacier Gray       |                                      |     |      |        |       | X      |        | X     |
| YY                     | Yellow     | Crocus Yellow      |                                      |     |      |        | X     |        | X      | X     |
| Two-Tone (Lower/Upper) |            |                    |                                      |     |      |        |       |        |        |       |
| CK                     | White      | Med. Aqua          |                                      |     |      |        |       | X      |        |       |
| DC                     | Med. Blue  | White              |                                      |     | X    |        |       |        |        |       |
| HC                     | Med. Green | White              | Not Available                        |     |      |        |       |        |        |       |
| JV                     | Dk. Green  | Beige              | X                                    |     |      |        | X     |        |        |       |
| LK                     | Dk. Aqua   | Med. Aqua          |                                      |     |      |        |       | X      |        |       |
| SV                     | Saddle     | Beige              | X                                    |     |      |        | X     |        |        |       |
| VN                     | Beige      | Maroon             | X                                    |     |      |        |       |        |        |       |
| WA                     | Slate      | Black              |                                      |     |      |        | X     |        |        | X     |
| YC                     | Yellow     | White              |                                      |     |      |        | X     |        | X      |       |

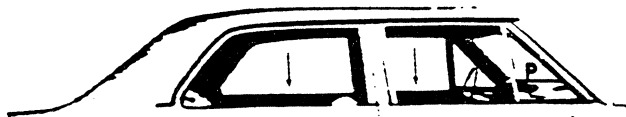
Convertible top: White, black, or beige with any interior color.  
 (a) Carpet, instrument panel, and lower portion of sidewall aqua.  
 (b) Carpet, instrument panel, and lower portion of sidewall black.

# BODY GLASS

## WINDOW ACTION



2-Door Sedan (11)



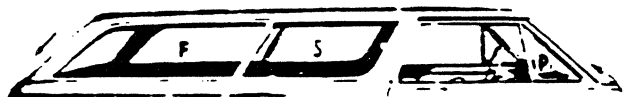
4-Door Sedan (69)



2-Door Sport Coupe (37)



2-Door Convertible (67)



2-Door Station Wagon, 2-Seater (15)



4-Door Station Wagon, 2-Seater (35)

REFER TO 35 MODEL

4-Door Station Wagon, 3-Seater (45)



2-Door Sedan Pickup (80)

P - Pivoting, Friction  
F - Fixed  
S - Sliding

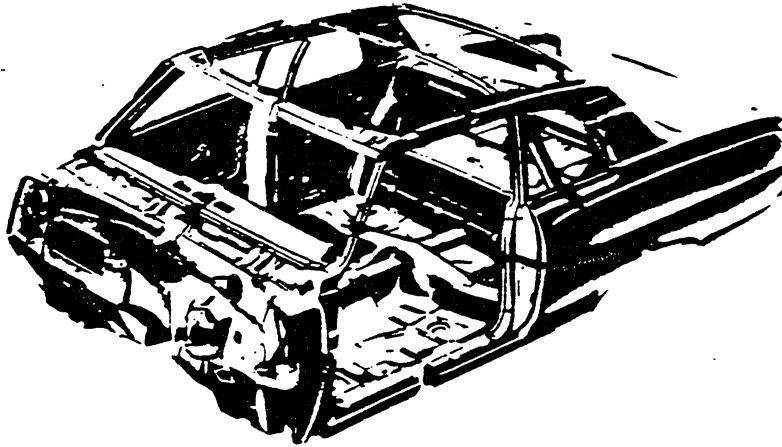
Z - Zip Out  
M - Monkey Action  
R - Rotating

## BODY GLASS TYPE AND VISIBILITY AREA

| Location                   | 11        | 69     | 37     | 67     | 15     | 35     | 45     | 80    |
|----------------------------|-----------|--------|--------|--------|--------|--------|--------|-------|
| Windshield                 | 1107.1    |        |        |        |        |        |        |       |
| From                       | 114.0     |        |        |        |        |        |        |       |
| Door                       | Window    | 819.2  | 534.6  | 845.6  | 838.4  | 729.4  | 534.6  | 725.2 |
| Rear Door                  | Window    | --     | 707.6  | --     | --     | --     | 716.8  | --    |
| Rear                       | Window    | 473.7  | --     | 436.0  | 329.0  | --     | --     | --    |
| Quarter                    | Rear Side | --     | --     | --     | --     | 948.4  | 1195.2 | --    |
| Back Window                |           | 1032.3 |        | 897.7  | 786.2  |        | 768.4  | 665.2 |
| Total Visibility (Sq. In.) | 3546.3    | 3495.6 | 3400.4 | 3174.7 | 3667.3 | 4436.1 | 2611.5 |       |

All window glass curved safety solid plate except curved laminated safety plate windshield and flat plastic convertible rear window.

## BODY CONSTRUCTION



### GENERAL

Type ----- Unisteel, with cowl, roof, underbody and body panels welded to form body shell. Doors, front and rear lids are of double-panel construction and hinge assembled to body. Separate frame and bolt-on front end sheet metal, with protective inner fender skirts.

### DOORS AND LOCKS

Door construction ----- Double steel panels, hinged at front  
 Door handles ----- Push-button with fork type latches. Inside push button locks on all doors.  
 Door ventipanes ----- Friction pivot

### HOOD AND TRUNK LID

Type ----- Counterbalanced, with spring loaded toggle action hinges on rear of hood and boxed hinges on trunk lid with torsion rod.  
 Hood release ----- External, bottom center of grille

### VENTILATION

High level with double wall plenum chamber, providing washing and air drying of rocker panels for corrosion resistance. Air and water travel through rocker panels and drain at ends of rocker inner panels.

### SEAT CONSTRUCTION

Type ----- Front seat cushion  
 0.75 poly foam --- 131-132-133-13400  
 1.75 poly foam ----- 135-13600  
 1.50 foam rubber ----- 137-13800  
 ----- Rear seat cushion  
 Jute and cotton --- 131-132-133-13400  
 1.00 poly foam --- 135-136-137-13800

### WINDSHIELD WIPERS

Type ----- Dual single speed electric  
 Linkage ----- Parallel acting

### SPARE TIRE AND TOOLS

Location ----- Sedans and Sport Coupe, horizontal, RH side of trunk floor; Station wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored under tire.

# POWER TEAM COMBINATIONS

| ENGINE   | EQUIPMENT   | TRANSMISSION   | AXLE RATIOS*               |                             |
|--|---|--|----------------------------|-----------------------------|
|  |   |  | General Purpose Standard   | Special Purpose or Mountain |
| 194 CUBIC INCH L-6<br>HI-THRIFT 194<br>120 HORSEPOWER    | SINGLE BARREL<br>CARBURETOR<br>HYDRAULIC LIFTERS        | SEDANS, COUPES AND<br>CONVERTIBLES<br>3-SPEED & POWERGLIDE<br>OVERDRIVE<br>STATION WAGONS AND<br>SEDAN PICKUPS<br>3-SPEED & POWERGLIDE<br>OVERDRIVE  | 3.08:1<br>3.70:1           | 3.36:1                      |
| 230 CUBIC INCH L-6<br>TURBO-THRIFT 230<br>140 HP RPO L26 | SINGLE BARREL<br>CARBURETOR<br>HYDRAULIC LIFTERS        | SEDANS, COUPES AND<br>CONVERTIBLES<br>3-SPEED<br>POWERGLIDE<br>OVERDRIVE<br>STATION WAGONS AND<br>SEDAN PICKUPS<br>3-SPEED & POWERGLIDE<br>OVERDRIVE | 3.08:1<br>3.08:1<br>3.70:1 | 3.36:1                      |
| 283 CUBIC INCH V-8<br>TURBO-FIRE 283<br>195 HORSEPOWER   | 2-BARREL<br>CARBURETOR<br>HYDRAULIC LIFTERS             | ALL MODELS EXCEPT<br>SEDAN PICKUPS<br>3-SPEED & 4-SPEED<br>POWERGLIDE<br>OVERDRIVE<br>SEDAN PICKUPS<br>3-SPEED & 4-SPEED<br>POWERGLIDE<br>OVERDRIVE  | 3.08:1<br>3.08:1<br>3.70:1 | 3.36:1                      |
| ● 283 CUBIC INCH V-8<br>TURBO-FIRE 283<br>220 HORSEPOWER | 4-BARREL<br>CARBURETOR<br>HYDRAULIC LIFTERS             | ALL MODELS<br>3-SPEED & 4-SPEED<br>POWERGLIDE<br>OVERDRIVE   | 3.36:1<br>3.36:1<br>3.70:1 |                             |
| 327 CUBIC INCH V-8<br>TURBO-FIRE 327<br>250 HP RPO L30   | 4-BARREL<br>CARBURETOR<br>HYDRAULIC LIFTERS             | ALL MODELS EXCEPT<br>SEDAN PICKUPS<br>3-SPEED & 4-SPEED<br>POWERGLIDE<br>SEDAN PICKUPS<br>3-SPEED & 4-SPEED<br>POWERGLIDE                            | 3.07:1<br>2.73:1           | 3.73:1                      |
| 327 CUBIC INCH V-8<br>TURBO-FIRE 327<br>300 HP RPO L74   | LARGE 4-BARREL<br>ALUM. CARBURETOR<br>HYDRAULIC LIFTERS | ALL MODELS EXCEPT<br>SEDAN PICKUPS<br>3-SPEED & 4-SPEED<br>POWERGLIDE<br>SEDAN PICKUPS<br>3-SPEED & 4-SPEED<br>POWERGLIDE                            | 3.31:1<br>3.07:1           | 3.73:1                      |
| 327 CUBIC INCH V-8<br>TURBO-FIRE 327<br>350 HP RPO L79   | LARGE 4-BARREL<br>CARBURETOR<br>HYDRAULIC LIFTERS       | ALL MODELS<br>3-SPEED & 4-SPEED  | 3.31:1                     |                             |

\* - POSITRACTION AXLE RATIOS AVAILABLE IN COMBINATIONS SHOWN.

## MULTIPLICATION FACTORS

### WITH MANUAL TRANSMISSIONS

| ENGINE                            | CARBU-<br>RETION          | TRANS-<br>MISSION | TOTAL GEAR REDUCTION* |       |      |      |      | AXLE<br>RATIO | MAXIMUM AXLE<br>TORQUE LOW<br>GEAR (LB-FT)# |      |
|-----------------------------------|---------------------------|-------------------|-----------------------|-------|------|------|------|---------------|---|------|
|                                   |                           |                   | 1st                   | 2nd   | 3rd  | 4th  | Rev  |               |   |      |
| 120 HP<br>Hi-Thrift<br>Six-Cyl    | Single<br>Barrel          | 3-Speed           | 9.06                  | 5.17  | 3.08 |      | 9.06 | 3.08:1        | 1193  |      |
|                                   |                           | Over-<br>drive    | Out                   | 10.88 | 6.22 | 3.70 |      | 10.88         | 3.70:1                                      | 1424 |
|                                   |                           |                   | In                    | 7.61  | 4.35 | 2.59 |      | 7.61          | 3.70:1                                      | 1003 |
| 140 HP<br>Turbo-Thrift<br>Six-Cyl | Single<br>Barrel          | 3-Speed           | 9.06                  | 5.17  | 3.08 |      | 9.06 | 3.08:1        | 1579  |      |
|                                   |                           | Over-<br>drive    | Out                   | 10.88 | 6.22 | 3.70 |      | 10.88         | 3.70:1                                      | 1896 |
|                                   |                           |                   | In                    | 7.61  | 4.35 | 2.59 |      | 7.61          | 3.70:1                                      | 1326 |
| 195 HP<br>Turbo-Fire<br>V-8       | 2-Barrel                  | 3-Speed           | 7.95                  | 4.56  | 3.08 |      | 7.95 | 3.08:1        | 1655  |      |
|                                   |                           | Over-<br>drive    | Out                   | 9.55  | 5.48 | 3.70 |      | 9.55          | 3.70:1                                      | 1985 |
|                                   |                           |                   | In                    | 6.68  | 3.83 | 2.59 |      | 6.68          | 3.70:1                                      | 1392 |
|                                   |                           | 4-Speed           | 7.88                  | 5.88  | 4.56 | 3.08 | 8.13 | 3.08:1        | 1642  |      |
| 220 HP<br>Turbo-Fire<br>V-8       | 4-Barrel                  | 3-Speed           | 8.67                  | 4.97  | 3.36 |      | 8.67 | 3.36:1        |   |      |
|                                   |                           | Over-<br>drive    | Out                   | 9.55  | 5.48 | 3.70 |      | 9.55          | 3.70:1                                      |      |
|                                   |                           |                   | In                    | 6.68  | 3.83 | 2.59 |      | 6.68          | 3.70:1                                      |      |
|                                   |                           | 4-Speed           | 8.60                  | 6.46  | 4.97 | 3.36 | 8.87 | 3.36:1        |   |      |
| 250 HP<br>Turbo-Fire<br>V-8       | Large<br>4-Barrel         | 3-Speed           | 7.92                  | 4.54  | 3.01 |      | 7.92 | 3.07:1        |   |      |
|                                   |                           | 4-Speed           | 7.86                  | 5.86  | 4.54 | 3.07 | 8.10 | 3.07:1        |   |      |
| 300 HP<br>Turbo-Fire<br>V-8       | Large<br>Aum.<br>4-Barrel | 3-Speed           | 8.54                  | 4.90  | 3.31 |      | 8.54 | 3.31:1        |   |      |
|                                   |                           | 4-Speed           | 8.47                  | 6.32  | 4.90 | 3.31 | 8.74 | 3.31:1        |   |      |
| 350 HP<br>Turbo-Fire<br>V-8       | Large<br>4-Barrel         | 3-Speed           | 8.54                  | 4.90  | 3.31 |      | 8.54 | 3.31:1        |   |      |
|                                   |                           | 4-Speed           | 8.47                  | 6.32  | 4.90 | 3.31 | 8.74 | 3.31:1        |   |      |

### WITH AUTOMATIC TRANSMISSIONS

| ENGINE                                 | TRANSMISSION | SELECTOR<br>POSITION | TOTAL TORQUE<br>MULTIPLICATION* | AXLE RATIO |
|--|--------------|----------------------|---------------------------------|------------|
| 120 HP<br>Hi-Thrift<br>Six-Cylinder    | Powerglide   | Drive                | 13.46:1 - 3.08:1                | 3.08:1     |
|  |              | Low & Reverse        | 13.46:1 - 5.61:1                |            |
| 140 HP<br>Turbo-Thrift<br>Six-Cylinder | Powerglide   | Drive                | 13.46:1 - 3.08:1                | 3.08:1     |
|  |              | Low & Reverse        | 13.46:1 - 5.61:1                |            |
| 195 HP<br>Turbo-Fire<br>V-8            | Powerglide   | Drive                | 11.77:1 - 3.08:1                | 3.08:1     |
|  |              | Low & Reverse        | 11.77:1 - 5.61:1                |            |
| 220 HP<br>Turbo-Fire<br>V-8            | Powerglide   | Drive                | 12.84 - 3.36:1                  | 3.36:1     |
|  |              | Low & Reverse        | 12.84 - 5.91:1                  |            |
| 250 HP<br>Turbo-Fire<br>V-8            | Powerglide   | Drive                | 11.10:1 - 2.73:1                | 2.73:1     |
|  |              | Low & Reverse        | 11.10:1 - 4.80:1                |            |
| 300 HP<br>Turbo-Fire<br>V-8            | Powerglide   | Drive                | 11.36:1 - 3.07:1                | 3.07:1     |
|  |              | Low & Reverse        | 11.36:1 - 5.40:1                |            |

\* - Axle ratio x transmission ratio.

# - Gear reduction x maximum net engine torque x efficiency factor (0.90 in direct drive, 0.85 all others).

# ENGINE DATA AND RATINGS

## GENERAL DATA

|   |   |   |                 |                                 |
|---|---|---|-----------------|---------------------------------|
| Piston Displacement (Cu.In.)                          | 194                                     | 230                                       | 283 ●           | 327                             |
| Availability  | Base                                    | RPO L26                                   | Base            | RPO L77 RPO L30 RPO L74 RPO L79 |
| No. of Cylinders                                      | Six                                     |   | Eight           |                                 |
| Bore (nominal)  | 3.56                                    | 3.88                                      | 3.88            | 4.00                            |
| Stroke (nominal)                                      | 3.25                                    |   | 3.00            | 3.25                            |
| Compression Ratio                                     | 8.5:1                                   |   | 9.25:1          | 10.0:1 11.0:1                   |
| Taxable (SAE) Horsepower                              | 30.5                                    | 36.0                                      | 48.0            | 51.2                            |
| Firing Order  | 1-5-3-6-2-4                             |   | 1-8-4-3-6-5-7-2 |                                 |
| Idling Speed  | Synchronesh (in neutral)                |   | 500             |                                 |
|   | Powerglide (in drive)                   |   | 500             | 475                             |
| Compression Press. (PSI) @ Cranking Speed, Engine Hot | 140                                     |   | 150             |                                 |
| Power Plant Mountings                                 | Front                                   | Two, combination compression & shear type |                 |                                 |
|   | Rear                                    | One, shear type                           |                 |                                 |
| Measurements  | Fan to rear of engine block             | 33.09                                     | 32.67           | 30.14                           |
|   | Top of air cleaner to bottom of oil pan | 26.55                                     | 26.67           | 29.57                           |
|   | Width - including generator             | 28.37                                     |                 | 28.92                           |

## ADVERTISED ENGINE RATINGS

| Engine Designation        | L6, 120 HP<br>Hi-Thrift<br>194 Cu.In. | L6, 140 HP<br>Turbo-Thrift<br>230 Cu.In. | V8, 195 HP<br>Turbo-Fire<br>283 Cu.In. | V8, 220 HP<br>Turbo-Fire<br>283 Cu.In. | V8, 250 HP<br>Turbo-Fire<br>327 Cu.In. | V8, 300 HP<br>Turbo-Fire<br>327 Cu.In. | V8, 350 HP<br>Turbo-Fire<br>327 Cu.In. |
|---------------------------|---------------------------------------|--|--|--|--|--|--|
| Availability              | Base                                  | RPO L26                                  | Base                                   | RPO L77                                | RPO L30                                | RPO L74                                | RPO L79                                |
| Carburetor                | Single Barrel                         | Single Barrel                            | Two Barrel                             | Four Barrel                            | Four Barrel                            | Aluminum<br>Four Barrel                | Large<br>Four Barrel                   |
| Brake HP<br>@ RPM         | Gross                                 | 120 @ 4400                               | 140 @ 4400                             | 195 @ 4800                             | 220 @ 4800                             | 250 @ 4400                             | 300 @ 5000                             |
|                           | Net                                   | 95 @ 4000                                | 120 @ 3600                             | 150 @ 4400                             |  | 200 @ 4400                             |  |
| Torque @<br>RPM (lb.-ft.) | Gross                                 | 177 @ 2400                               | 220 @ 1600                             | 285 @ 2400                             | 295 @ 3200                             | 350 @ 2800                             | 360 @ 3200                             |
|                           | Net                                   | 155 @ 2000                               | 205 @ 1600                             | 245 @ 2400                             |  | 315 @ 2800                             |  |

# ENGINE SPEED AND PISTON TRAVEL

## 194 and 230 CUBIC INCH L-6 ENGINE

| Transmission                    | 3-Speed           | 3-Speed with Overdrive |              | Powerglide |
|---------------------------------|-------------------|------------------------|--------------|------------|
|                                 |                   | OD Locked Out          | OD Locked In |            |
| Rear Axle Ratio                 | 3.08:1 (a)        | 3.70:1                 |              | 3.08:1     |
| Tire Size                       | 6.95 x 14-4PR (b) |                        |              |            |
| Crankshaft Revolutions per Mile | 2528.7            | 3037.7                 | 2126.4       | 2528.7     |
| Crankshaft RPM @ 1 MPH          | Low               | 123.9                  | 148.8        | 76.7       |
|                                 | Second            | 72.5                   | 85.1         | 59.5       |
|                                 | Third             | 42.1                   | 50.6         | 35.4       |
|                                 | Reverse           | 123.9                  | 148.8        | 104.2      |
| Piston Travel (ft/mile)         | 1369.7            | 1645.4                 | 1151.9       | 1369.7     |

(a) 2.73:1 on 300 Sedans; 3.36:1 on Station Wagons & Sedan Pickups.

(b) 7.35 x 14-4PR standard on Station Wagons & Sedan Pickups.

## 283 CUBIC INCH V-8 ENGINE

| Transmission                    | 3-Speed           | 3-Speed with Overdrive |           | 4-Speed    | Powerglide |
|---------------------------------|-------------------|------------------------|-----------|------------|------------|
|                                 |                   | Locked Out             | Locked In |            |            |
| Rear Axle Ratio                 | 3.08:1 (b)        | 3.70:1                 |           | 3.08:1 (b) |            |
| Tire Size                       | 6.95 x 14-4PR (a) |                        |           |            |            |
| Crankshaft Revolutions per Mile | 2528.7            | 3037.7                 | 2126.4    | 2528.7     |            |
| Crankshaft RPM @ 1 MPH          | Low               | 108.7                  | 130.6     | 91.4       | 76.7       |
|                                 | Second            | 62.4                   | 74.9      | 52.4       | 80.5       |
|                                 | Third             | 42.1                   | 50.6      | 35.4       | 62.4       |
|                                 | Fourth            |                        |           |            | 42.1       |
|                                 | Reverse           | 108.7                  | 130.6     | 91.4       | 111.3      |
| Piston Travel (ft/mile)         | 1264.4            | 1518.9                 | 1275.8    | 1264.4     |            |

(a) 7.35 x 14-4PR standard on Station Wagons & Sedan Pickups.

(b) 3.36:1 standard on 220 HP Engine (RPO L77).

## 327 CUBIC INCH V-8 250 HP ENGINE (RPO L30)

| Transmission                    | 3-Speed (a)   | 4-Speed | Powerglide |
|---------------------------------|---------------|---------|------------|
| Rear Axle Ratio                 | 3.07:1        |         | 2.73:1 (a) |
| Tire Size                       | 7.35 x 14-4PR |         |            |
| Crankshaft Revolutions per Mile | 2462.1        |         | 2189.5     |
| Crankshaft RPM @ 1 MPH          | Low           | 105.9   | 105.0      |
|                                 | Second        | 60.7    | 78.4       |
|                                 | Third         | 41.0    | 60.7       |
|                                 | Fourth        |         | 41.0       |
|                                 | Reverse       | 105.9   | 108.3      |
| Piston Travel (ft/mile)         | 1333.6        |         | 1186.0     |

(a) 3.07:1 on Sedan Pickups.

## 327 CUBIC INCH V-8 300 HP ENGINE (RPO L74 & RPO L79)

| Transmission                    | 3-Speed       | 4-Speed | ● Powerglide |
|---------------------------------|---------------|---------|--------------|
| Rear Axle Ratio                 | 3.31:1        |         | 3.07:1 (a)   |
| Tire Size                       | 7.35 x 14-4PR |         |              |
| Crankshaft Revolutions per Mile | 2654.7        |         | 2462.1       |
| Crankshaft RPM @ 1 MPH          | Low           | 114.1   | 113.3        |
|                                 | Second        | 65.5    | 84.5         |
|                                 | Third         | 44.2    | 65.5         |
|                                 | Fourth        |         | 44.2         |
|                                 | Reverse       | 114.1   | 116.6        |
| Piston Travel (ft/mile)         | 1437.9        |         | 1333.6       |

(a) Powerglide not available on RPO L79

# VEHICLE PERFORMANCE FACTORS

| ENGINE | BASE<br>194 CU.IN.<br>120 HP | RPO L26<br>230 CU.IN.<br>140 HP | BASE<br>283 CU.IN.<br>195 HP | RPO L30<br>327 CU.IN.<br>250 HP | RPO L74<br>327 CU.IN.<br>300 HP | BASE<br>194 CU.IN.<br>120 HP | BASE<br>283 CU.IN.<br>195 HP |
|--------|------------------------------|---------------------------------|------------------------------|---------------------------------|---------------------------------|------------------------------|------------------------------|
| MODEL  | 13369                        | 13369                           | 13469                        | 13469                           | 13469                           | 13380                        | 13480                        |

## 3-SPEED TRANSMISSION

|                                       |        |        |        |        |        |        |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Performance Weight (pounds)           | 3658   | 3660   | 3800   | 3844   | 3804   | 3373   | 3520   |
| Pounds per Gross Horsepower           | 30.48  | 26.14  | 19.52  | 15.38  | 12.88  | 28.11  | 18.05  |
| Pounds per Cu.In. Displacement        | 18.86  | 15.91  | 13.45  | 11.76  | 11.82  | 10.32  | 12.44  |
| Gross HP per Cu.In. Displacement      | .619   | .609   | .689   | .765   | .917   | .619   | .689   |
| Power Displacement (cu.ft./mile)      | 141.95 | 168.29 | 207.06 | 232.90 | 251.17 | 151.20 | 202.27 |
| Displacement Factor (cu.ft./ton mile) | 77.61  | 91.90  | 108.81 | 121.18 | 130.01 | 89.60  | 114.92 |

## 3-SPEED TRANSMISSION WITH OVERDRIVE

|                                       |   |        |        |  |  |        |        |
|---------------------------------------|---|--------|--------|--|--|--------|--------|
| Performance Weight (pounds)           | 3658                                    | 3685   | 3831   |  |  | 3398   | 3545   |
| Pounds per Gross Horsepower           | 30.69                                   | 26.32  | 19.65  |  |  | 28.32  | 18.18  |
| Pounds per Cu.In. Displacement        | 18.98                                   | 16.02  | 13.54  |  |  | 10.39  | 12.53  |
| Gross HP per Cu.In. Displacement      | .619                                    | .609   | .689   |  |  | .619   | .689   |
| Power Displacement (cu.ft./mile)      | Locked Out: 170.52<br>Locked In: 119.36 | 202.10 | 248.75 |  |  | 166.57 | 242.00 |
| Displacement Factor (cu.ft./ton mile) | Locked Out: 92.57<br>Locked In: 64.80   | 109.75 | 129.89 |  |  | 98.04  | 140.38 |

## 4-SPEED TRANSMISSION

|                                       |  |  |        |        |        |  |        |
|---------------------------------------|--|--|--------|--------|--------|--|--------|
| Performance Weight (pounds)           |  |  | 3807   | 3845   | 3865   |  | 3521   |
| Pounds per Gross Horsepower           |  |  | 19.52  | 15.38  | 12.88  |  | 18.00  |
| Pounds per Cu.In. Displacement        |  |  | 13.45  | 11.76  | 11.82  |  | 12.44  |
| Gross HP per Cu.In. Displacement      |  |  | .689   | .765   | .917   |  | .689   |
| Power Displacement (cu.ft./mile)      |  |  | 207.06 | 232.90 | 251.17 |  | 202.27 |
| Displacement Factor (cu.ft./ton mile) |  |  | 108.78 | 121.18 | 129.97 |  | 114.89 |

## POWERGLIDE\*

|                                       |        |        |        |        |        |        |        |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Performance Weight (pounds)           | 3674   | 3676   | 3822   | 3860   | 3900   | 3389   | 3530   |
| Pounds per Gross Horsepower           | 30.62  | 26.20  | 19.60  | 15.44  | 13.00  | 28.24  | 18.33  |
| Pounds per Cu.In. Displacement        | 18.94  | 15.98  | 13.51  | 11.80  | 11.93  | 10.30  | 12.50  |
| Gross HP per Cu.In. Displacement      | .619   | .609   | .689   | .765   | .917   | .619   | .689   |
| Power Displacement (cu.ft./mile)      | 141.95 | 168.29 | 207.06 | 232.90 | 232.90 | 151.20 | 202.27 |
| Displacement Factor (cu.ft./ton mile) | 68.49  | 91.56  | 108.35 | 107.34 | 119.47 | 89.27  | 117.12 |

\* - Data computed assuming zero slippage in torque converter.

## GLOSSARY

Performance Weight: Curb Weight plus 600 LB \*  
(weight of four 150 lb passengers)

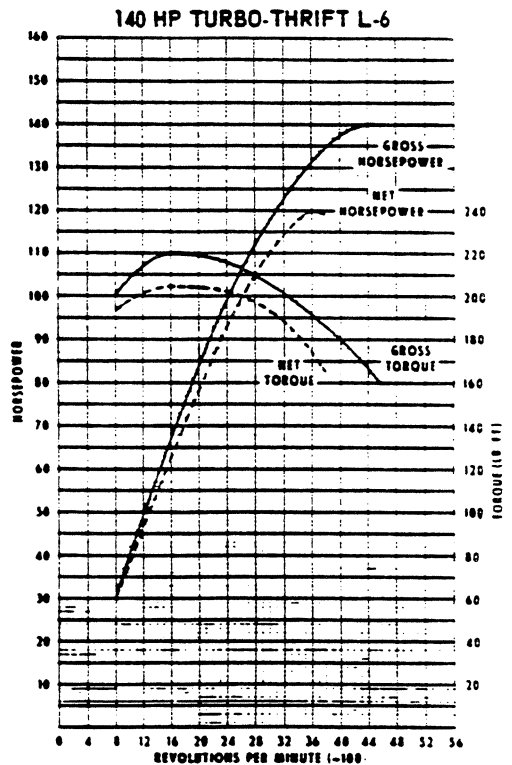
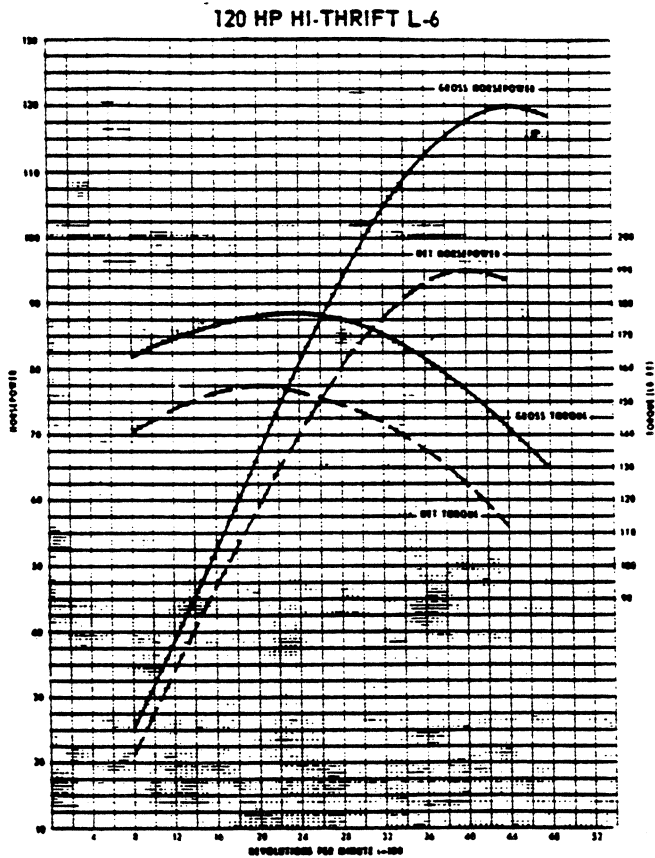
Power Displacement:  $\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$

Displacement Factor:  $\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

\* - Models 13380 & 13480 two passengers, 300 lbs.



# ENGINE OUTPUT CURVES



The engine output curves represent full throttle performance as obtained from dynamometer test data corrected to standard barometric pressure 29.92 inches of mercury and standard temperature of 60 degrees F.

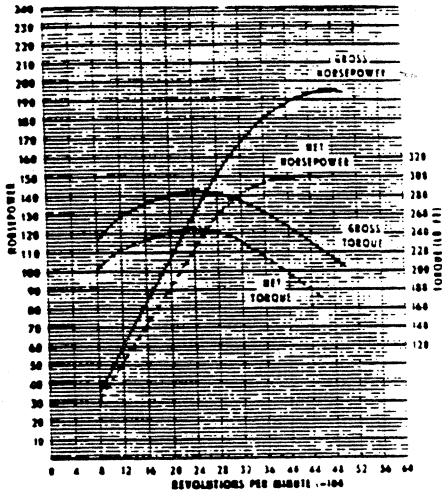
GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system,

no fan, generator not charging, optimum spark advance, and optimum fuel setting.

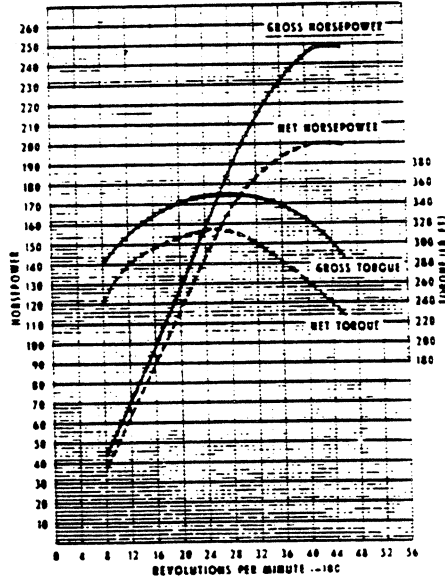
NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle, except the generator is not charging.

# ENGINE OUTPUT CURVES

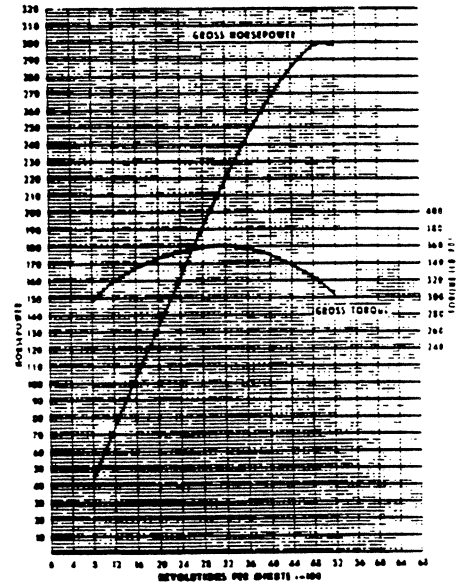
195 HP TURBO-FIRE V-8



● 250 HP TURBO-FIRE V-8



300 HP TURBO-FIRE V-8



The engine output curves represent full throttle performance as obtained from dynamometer test data corrected to standard barometric pressure 29.92 inches of mercury and standard temperature of 60 degrees F.

GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system.

no fan, generator not charging, optimum spark advance, and optimum fuel setting.

NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle, except the generator is not charging.

# AMA Specifications – Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

|  |  |             |  |
|--|--|-------------|--|
| MANUFACTURER   | Chevrolet Motor Division<br>General Motors Corporation | CAR NAME    | CHEVELLE<br>RPO Z15<br>Optional 396 cu. in. 8-cylinder |
|  |  | MODEL YEAR  | 1965   |
| MAILING ADDRESS Chevrolet Engineering Center<br>30003 Van Dyke, Warren, Michigan 48090 |  | ISSUED:     | 2-22-65  |
|  |  | REVISED (a) |  |

**NOTES:**

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.

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| <b>BODY—TYPES AND STYLE NAMES—</b> | Body type, number of passenger & style names; use manufacturer's code for series & body style. |
|------------------------------------|--|
|                                    | RPO Z15<br>Optional 396 cu. in.<br><u>8-cylinder</u>   |
| MALIBU SUPER SPORT                 |  |
| 2-Door Sport Coupe, 4-Pass.        | 13837  |

# Facts about the 1965 Chevelle



General specifications same as 1965 Chevelle "Malibu SS" Coupe - except:

|                          |  |
|--------------------------|--|
| <u>ENGINE</u>            | Turbo-Jet 396 cu.in. 375 hp at 5600 RPM; 420 lbs-ft torque at 3600 RPM. Comp. ratio 11:1. One 4-barrel carburetor.   |
| <u>TRANSMISSION</u>      | 4-speed, 2.56:1 low gear. Synchronized all forward gears.  |
| <u>REAR AXLE</u>         | Heavy-duty; has 8-7/8" ring gear, 3.31:1 ratio.  |
| <u>BRAKES</u>            | Chevrolet 11", power-assisted.   |
| <u>SUSPENSION</u>        | Heavy-duty. Includes 1.06" front stabilizer, cast-steel wheel hubs, shot-peened ball studs. 4-link rear, stabilizer between lower control arms, higher rate springs, re-calibrated shock absorbers.            |
| <u>STEERING</u>          | Fast, 15:1 ratio, power-assisted.  |
| <u>WHEEL &amp; TIRES</u> | Wheels 14 x 6.0", wide base, high strength. Tires, high performance; 7.75 x 14, improved nylon cord construction, gold stripe.   |
| <u>FRAME</u>             | Stronger. Reinforced convertible frame used, 2 added body mounts.  |
| <u>BODY</u>              | Bucket front seats, 4 seat belts, 160 mph speedometer, tachometer, panel-mounted clock, padded instrument panel, special emblems, stereo radio, vinyl roof cover.  |
| <u>GENERAL</u>           | Larger radiator, 61 ampere-hour battery, high-torque starter motor, simulated magnesium wheel covers, comfort-tilt, sports-style steering wheel, power windows, tinted glass, bumper guards, spare wheel lock. |

--- --- ---

Other general specifications, same as standard Chevelle SS Coupe:

|                 |           |
|-----------------|-----------|
| Wheelbase       | 115.0"    |
| Tread - front   | 58.0"     |
| - rear          | 58.0"     |
| Overall length  | 196.6"    |
| width           | 74.6"     |
| height          | 52.8"     |
| Shipping weight | 3565 lbs. |

# AMA Specifications — Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-22-65 REVISED(•) \_\_\_\_\_

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

| MODEL   | 13837                      | Additional Information Page No.: | 396 Cu. In. V-8 Engine 375 HP  |
|---|----------------------------|----------------------------------|--------------------------------|
| Wheelbase (L101)  | 23                         |                                  | 115.0                          |
| Tread   | Front (W101)               | 22                               | 58.0                           |
|   | Rear (W102)                | 22                               | 58.0                           |
| Maximum Overall Dimensions                                  | Length (L103)              | 23                               | 196.6                          |
|   | Width (W103)               | 22                               | 74.6                           |
|   | Height (H101)              | 24                               | Sp. Coupe                      |
| Transmission—<br>(Specify trade name - opt., not available) | Manual                     | 15                               | Synchro-Mesh, 4-Speed Required |
|   | Overdrive                  | 16                               | N. A.                          |
|   | Automatic                  | 16                               | N. A.                          |
| Axle ratio  | Manual                     | 17                               |                                |
|   | Overdrive                  | 17                               | N. A.                          |
|   | Automatic                  | 17                               | N. A.                          |
| Tire size   | 18                         |                                  | 7.75 x 14                      |
| Engine  | Type, no. cyl., valve arr. | 2                                | 90° OHV V-8                    |
|   | Fuel system (Carb., other) | 8                                | Carburetor                     |
|   | Bore and stroke            | 2                                | 4.09 x 3.76                    |
|   | Piston displ., cu.in.      | 2                                | 396 Cu. In.                    |
|   | Std. compression ratio     | 2                                | 11.0:1                         |
|   | Max. bhp at engine rpm     | 2                                | 375 @ 5600                     |
|   | Max. torque at rpm         | 2                                | 420 @ 3600                     |

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-13-65 REVISED (e)

### GENERAL SPECIFICATIONS — DIMENSIONS

13800, Opt. 396 Cu. In.  
Engine, L37

(All dimensions in inches unless otherwise indicated)  
(Supplemental data available on request)

| MODEL | Ref. No. |                       |
|-------|----------|-----------------------|
|       |          | SPORT COUPE<br>BUCKET |

#### FRONT COMPARTMENT

|                                  |     |      |
|----------------------------------|-----|------|
| Shoulder room                    | W3  | 58.8 |
| Max. eff. leg room - accelerator | L34 | 42.0 |
| Effective head room              | H61 | 37.9 |
| H Point to Heel point            | H30 | 7.7  |
| Upper body opening to ground     | H50 | 49.2 |

#### REAR COMPARTMENT

|                            |     |      |
|----------------------------|-----|------|
| Shoulder room              | W4  | 56.8 |
| H Point coupe distance     | L50 | 31.6 |
| Minimum effective leg room | L51 | 33.2 |
| Effective head room        | H63 | 36.7 |

#### STATION WAGON—THIRD SEAT

|                     |     |      |
|---------------------|-----|------|
| Shoulder room       | W85 |      |
| Effective leg room  | L86 | None |
| Effective head room | H86 |      |

#### LUGGAGE COMPARTMENT

|                                      |      |                              |
|--------------------------------------|------|------------------------------|
| Usable luggage capacity (See instr.) | V1   | 16.7                         |
| Liftover height                      | H195 | 20.6                         |
| Position of spare tire storage       |      | Hor. right rear trunk floor  |
| Method of holding lid open           |      | Torsion bars counterbalanced |

#### STATION WAGON—CARGO SPACE

|   |   |      |
|---|---|------|
| Minimum distance between wheel houses at floor level  | W201                                      |      |
| Rear end opening width at belt  | W204                                      |      |
| Floor length from back of front seat at floor level to inside of closed tail gate           | L202                                      |      |
| Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt | L204                                      | None |
| Maximum height - floor covering to headlining at centerline of rear axle                    | H201                                      |      |
| Maximum height of rear opening - tail and lift gates open                                   | H202                                      |      |
| Cargo volume index (cu.ft.)   | $\frac{W4 \times L204 \times H201}{1728}$ | V2   |

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-22-65 REVISED( )

**POWER TEAMS**  
(Indicate whether standard or optional)

| MODEL AVAILABILITY | ENGINE            |            |                 |                  |                    | TRANSMISSION            | AXLE RATIO<br>(Std. first) |
|--------------------|-------------------|------------|-----------------|------------------|--------------------|-------------------------|----------------------------|
|                    | Displ.<br>cu. in. | Carburetor | Compr.<br>Ratio | BHP<br>@<br>RPM  | Torque<br>@<br>RPM |                         |                            |
| 13837              | 396<br>*          | 4-Bbl.     | 11.0:1          | 375<br>@<br>5600 | 420<br>@<br>3600   | 4-Speed<br>(2.56:1 low) | 3.31:1                     |
| *Optional          |                   |            |                 |                  |                    |                         |                            |

# AMA Specifications—Passenger Car

**MAKE OF CAR** CHEVELLE **MODEL YEAR** 1965 **DATE ISSUED** 2-22-65 **REVISED** (\*)

13837

**MODEL** 396 Cu. In. V-8 Engine 375 HP

## ENGINE—CRANKSHAFT

|                                   |   |                               |  |  |
|-----------------------------------|---|-------------------------------|--|--|
| Material                          |   | Forged Steel                  |  |  |
| Vibration damper type             |   | Rubber mounted inertia damper |  |  |
| End thrust taken by bearing (No.) |   | Five                          |  |  |
| Crankshaft end play               |   | .006-.010                     |  |  |
| Main bearing                      | Material & type                         |                               | Premium aluminum except No. 5 sintered<br>Copper nickel packed babbitt |  |
|                                   | Clearance                               |                               | #1-4 .0006-.0022; #5 .0017-.0033                                       |  |
|                                   | Journal dia. and bearing overall length | No. 1                         | 2.7506 x .992  |  |
|                                   |   | No. 2                         | 2.7506 x .992  |  |
|                                   |   | No. 3                         | 2.7506 x .992  |  |
|                                   |   | No. 4                         | 2.7506 x .992  |  |
|                                   |   | No. 5                         | 2.7513 x 1.2525  |  |
|                                   |   | No. 6                         | ----   |  |
| No. 7                             |   | ----                          |  |  |
| Dir. & amt. cyl. offset           |   | None                          |  |  |
| Crankpin journal diameter         |   | 2.99 2.100                    |  |  |

## ENGINE—CAMSHAFT

|               |                                      |                           |                        |  |
|---------------|--------------------------------------|---------------------------|------------------------|--|
| Location      |                                      | In block above crankshaft |                        |  |
| Material      |                                      | Cast alloy iron           |                        |  |
| Bearings      | Material                             | Steel backed babbitt      |                        |  |
|               | Number                               | Five                      |                        |  |
| Type of Drive | Gear or chain                        |                           | Chain                  |  |
|               | Crankshaft gear or sprocket material |                           | Steel sprocket         |  |
|               | Camshaft gear or sprocket material   |                           | Cast aluminum sprocket |  |
|               | Timing chain                         | No. of links              | 50                     |  |
|               |                                      | Width                     | .880                   |  |
| Pitch         |                                      | .500                      |                        |  |

## ENGINE—VALVE SYSTEM

|   |         |                   |  |
|---|---------|-------------------|--|
| Hydraulic lifters (Std, opt, NA)                  |         | Hydraulic         |  |
| Valve rotator, type (intake, exhaust)             |         | None              |  |
| Rocker ratio                                      |         | 1.70:1            |  |
| Operating tappet clearance (indicate hot or cold) | Intake  | Zero              |  |
|   | Exhaust | Zero              |  |
| Timing marks on flywheel, damper, other           |         | Harmonic Balancer |  |

(Continued)



# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-22-65 REVISED (\*)  
 13837  
 MODEL 396 Cu. In. V-8 Engine 375 HP

## ENGINE—LUBRICATION SYSTEM (cont.)

|   |  |
|---|--|
| Oil pump type   | Gear   |
| Normal oil pressure (lb. @ engine rpm)                      | 50-75 @ 2000   |
| Oil pressure sending unit (elect. or mech.)                 | Electric   |
| Type oil intake (floating, stationary)                      | Stationary   |
| Oil filter system (full flow, partial, other)               | Full flow  |
| Filter replacement (element, complete)                      | Element  |
| Capacity of crankcase, less filter—refill (qt.)             | 4  |
| Oil grade recommended (SAE viscosity and temperature range) | 32° F and Above ----- SAE 20W, SAE 20 or SAE 10W-30<br>0° F and Above ----- SAE 10W, or SAE 10W-30<br>Below 0° F ----- SAE 5W or SAE 5W-20 |
| Engine Service Requirement (MM, MS, etc.)                   | MS or DG   |

## ENGINE—EXHAUST SYSTEM

|  |                            |
|--|----------------------------|
| Type (single, single with cross-over, dual, other)                   | Dual                       |
| Muffler No. & type (reverse flow, straight thru, separate resonator) | Two, reverse flow          |
| Exhaust pipe dia. (O.D.)   | -----                      |
| Branch wall thickness)   | 2.50 x .073-.091 laminated |
| Main   |                            |
| Tail pipe diameter (O.D. & wall thickness)                           | 2.25 x .062-.076           |

## ENGINE—CRANKCASE VENTILATION SYSTEM

|  |  |                                |
|--|--|--------------------------------|
| Type (ventilates to atmos., induction system, other) | Standard   | Ventilates to induction system |
|  | Optional   |                                |
| Control unit   | Make and model   |                                |
|  | Location   | Rear of carburetor             |
|  | Energy source (manifold vacuum, carburetor air stream, other)                | Manifold vacuum                |
|  | Control method (variable orifice, fixed orifice, other)                      | Variable orifice               |
| Complete system                                      | Discharges (to intake manifold, carb. air intake, air cleaner intake, other) | Intake manifold                |
|  | Air inlet (breather cap, carburetor air cleaner, other)                      | Carburetor air cleaner         |
|  | Flame arrestor (screen, check valve, other)                                  | Screen                         |

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-22-65 REVISED(●)

13837

MODEL \_\_\_\_\_ 396 Cu. In. V-8 Engine 375 HP

## ENGINE—COOLING SYSTEM

|   |                              |                                    |                                     |
|---|------------------------------|------------------------------------|-------------------------------------|
| Type system (pressure, pressure vented, atmospheric, other)   |                              | Pressure                           |                                     |
| Radiator cap relief valve pressure                            |                              | 15 ± 1PSI                          |                                     |
| Circulation thermostat  | Type (choke, bypass)         | Choke                              |                                     |
|   | Starts to open at (°F)       | 177° - 183° F                      |                                     |
| Water pump  | Type (centrifugal, other)    | Centrifugal                        |                                     |
|   | GPM @ 1000 pump rpm          | 47 @ 5200                          |                                     |
|   | Number of pumps              | One                                |                                     |
|   | Drive (V-belt, other)        | V-Belt                             |                                     |
|   | Bearing type                 | Double row ball                    |                                     |
| By-pass recirculation type (internal, external)               |                              | External                           |                                     |
| Radiator core type (cellular, tube and fin, other)            |                              | Tube on center                     |                                     |
| Cooling system capacity                                       | With heater (qt.)            | 2                                  |                                     |
|   | Without heater (qt.)         | 2                                  |                                     |
|   | Opt. equipment—specify (qt.) |                                    |                                     |
| Water jackets full length of cylinder (yes, no)               |                              | Yes                                |                                     |
| Water all around cylinder (yes, no)                           |                              | Yes                                |                                     |
| Radiator hose   | Lower                        | Number and type (molded, straight) | One, molded                         |
|   |                              | Inside diameter                    | 1.88                                |
|   | Upper                        | Number and type (molded, straight) | One, molded                         |
|   |                              | Inside diameter                    | 1.50                                |
|   | By-pass                      | Number and type (molded, straight) | One, molded                         |
|   |                              | Inside diameter                    | 1.25 - .765                         |
| Fan   | Number of blades & Spacing   |                                    | 5, Staggered                        |
|   | Diameter                     |                                    | 18.00                               |
|   | Ratio-fan to crankshaft rev. |                                    | .949:1                              |
|   | Fan cutout type              |                                    | Thermo-modulated - viscous coupling |
|   | Bearing type                 |                                    | Double row ball                     |
| *Drive belts<br><small>(indicate belt used by letter)</small> | Fan                          |                                    | A                                   |
|   | Generator                    |                                    | A                                   |
|   | Water Pump                   |                                    | A                                   |
|   | Power Steering               |                                    |                                     |
|   | Air Conditioning             |                                    |                                     |

|                         |             |
|-------------------------|-------------|
| * Drive Belt Dimensions | A           |
| Angle of V              | 38° - 42°   |
| Nominal length (SAE)    | 55.50       |
| Width                   | .380 ± .005 |

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE **MODEL YEAR** 1965 **DATE ISSUED** 2-22-65 **REVISED** <sup>(\*)</sup>  
13837  
**MODEL** 396 Cu. In. V-8 Engine 375 HP

## ELECTRICAL—STARTING SYSTEM (cont.)

|                           |                             |               |                         |
|---------------------------|-----------------------------|---------------|-------------------------|
| Motor Drive               | Engagement type             |               | Positive shift solenoid |
|                           | Pinion meshes (front, rear) |               | Rear                    |
|                           | Number of teeth             | Pinion        | 9                       |
|                           |                             | Flywheel      | 168                     |
| Flywheel tooth face width |                             | .4100 - .4220 |                         |

## ELECTRICAL—IGNITION SYSTEM

|                           |   |                                  |   |
|---------------------------|---|----------------------------------|---|
| Coil                      | Make  |                                  | Delco-Remy                                      |
|                           | Model   |                                  | 1115204   |
|                           | Amps  | Engine stopped                   | 4.0   |
| Engine idling             |   | 1.8                              |   |
| Distributor               | Make  |                                  | Delco-Remy                                      |
|                           | Model   |                                  | 1111094   |
|                           | Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal) | Start (rpm)                      | 800   |
|                           |   | Intermediate points deg. @ rpm   |   |
|                           |   | Max deg. @ rpm                   | 28° @ 4400                                      |
|                           | Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)       | Start (in Hg)                    | 0° @ 8 In.                                      |
|                           |   | Intermediate points, deg @ in Hg |   |
|                           |   | Max. deg. in. Hg.                | 15° @ 15.5 In.                                  |
|                           | Breaker gap (in.)   |                                  | .019  |
|                           | Cam angle (deg.)  |                                  | 28° - 32°                                       |
| Breaker arm tension (oz.) |   | 19-23                            |   |
| Timing                    | Crankshaft deg. @ rpm.                                      |                                  | 8° BTC @ 700                                    |
|                           | Mark location   |                                  | Harmonic Balancer                               |
|                           | Cylinder numbering system (see page 2)                      |                                  | Left bank : 1-3-5-7<br>Right bank: 2-4-6-8      |
|                           | Firing order (see page 2)                                   |                                  | 1-8-4-3-6-5-7-2                                 |
| Spark Plug                | Make and model  |                                  | AC43N   |
|                           | Thread (mm)   |                                  | 14  |
|                           | Tightening torque (lb. ft.)                                 |                                  | 25  |
|                           | Gap   |                                  | .033-.038                                       |
| Cable                     | Conductor type  |                                  | Linen core impregnated with conducting material |
|                           | Insulation type   |                                  | Rubber with neoprene jacket                     |
|                           | Spark plug protector  |                                  | Silicon   |

## ELECTRICAL—SUPPRESSION

|                  |                                  |
|------------------|----------------------------------|
| Locations & type | Non-metallic high tension cables |
|------------------|----------------------------------|

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE **MODEL YEAR** 1965 **DATE ISSUED** 2-22-65 **REVISED** <sup>(\*)</sup>  
 13800, Opt.  
 396 Cu. In.  
**MODEL Engine.** L37

## ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.

|                         |           |  |      |
|-------------------------|-----------|--|------|
| Headlamps & arrangement |           | Dual, horizontal; outer, 2-4002; inner, 2-4001 |      |
| Headlamp beam indicator |           | 1-1895   |      |
| Parking                 |           | 2-1157   |      |
| Tail                    |           | 2-1157   |      |
| Stop                    |           | 2-1157   |      |
| Direction signal        | Front     | 2-1157   |      |
|                         | Rear      | 2-1157   |      |
|                         | Indicator | 2-1445   |      |
| License Plate           |           | 2-1155   |      |
| Oil pressure indicator  |           | Gage   |      |
| Charge indicator        |           | Gage   |      |
| Instrument              |           | 6-1895   |      |
| Clock                   |           | 1-1895   | Std. |
| Radio                   |           | 1-1893   | Std. |

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

|                           |          |      |
|---------------------------|----------|------|
| Tachometer                | Gage     | Std. |
| Back up                   | 2-1156   | Std. |
| Dome                      | 1-211    | Std. |
| Glove compartment         | 1-1895   | Std. |
| Prkg. brake signal        | 1-1157   | Std. |
| Luggage compartment       | 1-1003   | Opt. |
| Underhood                 | 1-193    | Opt. |
| Courtesy instrument panel | 1-6311a1 | Std. |
| Ash tray                  | 1-53     | Opt. |
| Temp. indicator           | Gage     | Std. |
| Heater controls           | 1-1895   | Std. |
| Traffic hazard indicator  | 1-1445   | Opt. |

(\*) Std. seat separator courtesy. 1-111.

### OTHER BULBS

|                 |        |      |
|-----------------|--------|------|
| Spot lamp       |        |      |
| Portable        | 1-4416 | Opt. |
| Inside operated | 1-4405 | Opt. |

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE      **MODEL YEAR** 1965      **DATE ISSUED** 2-22-65 **REVISED** <sup>(a)</sup>  
 13800, Opt. 396  
 Cu. In. Engine, L37  
**MODEL** \_\_\_\_\_

## DRIVE UNITS—CLUTCH (Manual Transmission)

|                                |  |                                    |
|--------------------------------|--|------------------------------------|
| Make & type                    | Chevrolet single dry disc, centrifugal |                                    |
| Type pressure plate springs    | Diaphragm, bent finger design          |                                    |
| Effective plate pressure (lb.) | 2300-2600                              |                                    |
| No. of clutch driven discs     | One                                    |                                    |
| Clutch facing                  | Material                               | Woven type asbestos                |
|                                | Outside & inside dia.                  | 11.0 & 6.5                         |
|                                | Total eff. area (sq.in.)               | 123.7                              |
|                                | Thickness                              | 140 ea.                            |
|                                | Engagement cushioning method           | Flat spring steel between facings  |
| Release bearing                | Type & method of lubrication           | Single row ball, packed and sealed |
| Torsional damping              | Methods: springs, friction material    | Coil springs                       |

## DRIVE UNITS—TRANSMISSIONS

|                                      |                  |
|--------------------------------------|------------------|
| Manual (std. or opt.)                | 4-Speed required |
| Manual with overdrive (std. or opt.) | NA               |
| Automatic (std. or opt.)             | NA               |

## DRIVE UNITS—MANUAL TRANSMISSION

|                                    |                      |                                     |        |
|------------------------------------|----------------------|-------------------------------------|--------|
| Number of forward speeds           | 4-Speed              |                                     |        |
| Transmission ratios                | In first             | 2.56                                |        |
|                                    | In second            | 1.91                                |        |
|                                    | In third             | 1.48                                |        |
|                                    | In fourth            | 1.00                                |        |
|                                    | In reverse           | 2.64                                |        |
| Synchronous meshing, specify gears | All forward gears    |                                     |        |
| Shift lever location               | Floor                |                                     |        |
| Lubricant                          | Capacity (pt.)       | 2.5                                 |        |
|                                    | Type recommended     | Meeting Military Spec. MIL-L-2105-B |        |
|                                    | SAE viscosity number | Summer                              | SAE 80 |
|                                    |                      | Winter                              | SAE 80 |
| Extreme cold                       |                      | SAE 80                              |        |

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE    **MODEL YEAR** 1965    **DATE ISSUED** 2-22-65    **REVISED** <sup>(e)</sup>  
13800, Opt. 396 Cu. In.  
**MODEL** Engine, L37

## DRIVE UNITS—PROPELLER SHAFT (cont.)

|  |  |                                |              |
|--|--|--------------------------------|--------------|
| Inter-<br>mediate<br>bearing                           | Type (plain,<br>anti-friction)           |                                | None         |
|  | Lubrication (fitting,<br>prepack)        |                                | ---          |
| Universal<br>joints                                    | Make                                     |                                | Chevrolet    |
|  | Number used                              |                                | 2            |
|  | Type (ball and trunion,<br>cross, other) |                                | Cross        |
|  | Bearing                                  | Type (plain,<br>anti-friction) |              |
| Lubric. (fitting,<br>prepack)                          |  |                                | Prepack      |
| Drive taken through (torque tube<br>or arms, springs)  |  |                                | Control arms |
| Torque taken through (torque tube<br>or arms, springs) |  |                                | Control arms |

## DRIVE UNITS—REAR AXLE

|                                   |  |   |        |        |
|-----------------------------------|--|---|--------|--------|
| Description (see instructions)    | Std. semi-floating, overhung pinion gear |   |        |        |
| Limited Slip differential, type   |  |   | NA     |        |
| Drive Pinion Offset               |  |   | 1.5    |        |
| No. of differential pinions       |  |   | 2      |        |
| Gear ratios<br>(Std. equip.)      | Manual transmission                      |   | 3.31   |        |
|                                   | Overdrive transmission                   |   | NA     |        |
|                                   | Automatic transmission                   |   | NA     |        |
| Ring gear O.D. (std. ratio)       |  |   | 8.875  |        |
| Pinion adjustment (shim, other)   |  |   | None   |        |
| Pinion bearing adj. (shim, other) |  |   | Shim   |        |
| Wheel bearing type                | Single row cylindrical roller            |   |        |        |
| Lubricant                         | Capacity (pt.)                           |   | 4.0    |        |
|                                   | Type recommended                         | For standard axles, meeting Military Spec. MIL-L-2105-B |        |        |
|                                   | SAE vis-<br>cosity<br>number             | Summer  |        | SAE 80 |
|                                   |  | Winter  |        | SAE 80 |
| Extreme cold                      |  |   | SAE 80 |        |

## REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

|              |           |  |      |
|--------------|-----------|--|------|
| Axle ratio   |           |  | 3.31 |
| No. of teeth | Pinion    |  | 13   |
|              | Ring gear |  | 43   |

# AMA Specifications—Passenger Car

**MAKE OF CAR** CHEVELLE      **MODEL YEAR** 1965      **DATE ISSUED** 2-22-65      **REVISED** (c)  
 13800, Opt. 396 Cu. In.  
**MODEL** Engine, L37

## BRAKES—SERVICE (cont.)

| Bonded or riveted: |                   | Bonded                            |                     |                     |
|--------------------|-------------------|-----------------------------------|---------------------|---------------------|
| Brake lining       | Front Shoe        | Material                          | Molded asbestos     |                     |
|                    |                   | Size (length x width x thickness) | Front wheel         | 9.25 x 2.75 x .168  |
|                    |                   |                                   | Rear wheel          | 9.25 x 2.00 x .168  |
|                    | Segments per shoe |                                   | 1                   |                     |
|                    | Rear Shoe         | Material                          |                     | Molded asbestos     |
|                    |                   | Size (length x width x thickness) | Front wheel         | 11.63 x 2.75 x .168 |
| Rear wheel         |                   |                                   | 11.63 x 2.00 x .168 |                     |
| Segments per shoe  |                   | 1                                 |                     |                     |

## BRAKES—PARKING

|                                 |  |     |
|---------------------------------|--|-----|
| Type of control                 | Pulley-cable linkage; foot pedal apply, handle release |     |
| Location of control             | Below instrument panel left of steering column         |     |
| Operates on                     | Rear service brakes                                    |     |
| If separate from service brakes | Type (internal or external)                            | --- |
|                                 | Drum diameter  | --- |
|                                 | Lining size (length x width x thickness)               | --- |

## FRAME or UNITIZED CONSTRUCTION

Type and description      All welded perimeter frame with front crossmember, rear suspension crossmember and rear crossmember. Frame reinforcement between upper and lower control arm pivots.

## SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)\*

|                                    |   |                                 |
|------------------------------------|---|---------------------------------|
| Provision for car leveling         | Front stabilizer bar  |                                 |
| Provision for brake dip control    | Mounting angle of front upper control arms  |                                 |
| Provision for acc. squat control   | Geometry of rear suspension   |                                 |
| Special provisions for car jacking | Bumper jack provided; apply just outboard of bumper bolt at wheel requiring jacking |                                 |
| Shock absorber front & rear        | Type  | Direct double-acting, hydraulic |
|                                    | Make  | Delco Products                  |
|                                    | Piston dia.   | 1.00                            |
| Other special features             |   |                                 |

## SUSPENSION—FRONT

Type and description      Independent - SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel.

(Continued)

\* Air Suspension:  
 Air spring type  
 Compressor data  
 type  
 make  
 drive ratio

Normal operating pressures  
 spring rates  
 leveling data

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE      **MODEL YEAR** 1965    **DATE ISSUED** 2-22-65    **REVISED** (\*)  
13800, Opt. 396 Cu. In.  
**MODEL** Engine, L37

## STEERING (cont.)

|                                       |                               |               |   |
|---------------------------------------|-------------------------------|---------------|---|
| Steering Axis                         | Inclination at camber (deg.)  |               | 7-3/4 to 8-3/4  |
|                                       | Bearings (type)               | Upper         | Ball stud with non-metallic bearing surfaces            |
|                                       |                               | Lower         | Ball stud with non-metallic bearing surfaces            |
|                                       | Thrust                        |               | None  |
| Wheel alignment (range and preferred) | Caster (deg.)                 |               | N1 to 0 (curb)  |
|                                       | Camber (deg.)                 |               | 0 to P1 (curb)  |
|                                       | Toe-in (outside tread-inches) |               | 1/8 to 1/2 total (curb)                                 |
| Steering spindle & joint type         |                               |               | Forging with pad for mounting brake cylinder, spherical |
| Wheel spindle                         | Diameter                      | Inner bearing | 1.2493-1.2498   |
|                                       |                               | Outer bearing | .7492-.7497   |
|                                       | Thread size                   |               | 3/4-20 NEF-3 (modified)                                 |
|                                       | Bearing type                  |               | Taper roller  |

## SUSPENSION—REAR

|   |   |               |  |
|---|---|---------------|--|
| Type and description                        |   |               | 4-link: 2 upper and 2 lower control arms |
| Drive and torq. taken through (see page 17) |   |               | Control arms                             |
| Spring                                      | Type  |               | Coil                                     |
|   | Material  |               | Steel alloy                              |
|   | Size (length x width, coil design height and I.D.; bar length & dia.) |               | 9.74 & 5.50; 108.6 x .542                |
|   | Spring rate (lb. per in.)   |               | 120                                      |
|   | Rate at wheel (lb. per in.)   |               |  |
|   | Design load (lb. at design height)                                    |               | 600 @ 9.74                               |
|   | Mounting insulation type  |               | None                                     |
|   | If leaf   | No. of leaves |  |
| Inserts                                     |   | Type and size | NA                                       |
|   |   | Material      |  |
| Shackle (comp. or tens.)                    |   | ↓             |  |
| Stabilizer                                  | Type (link, linkless, frameless)                                      |               | Frameless                                |
|   | Material  |               | Steel                                    |
| Track bar type                              |   |               | None                                     |



# AMA Specifications - Passenger Car

MAKE OF CAR **CHEVELLE** MODEL YEAR **1965** DATE ISSUED **9-28-64** REVISED (a) **2-22-65**

|                    |        |      |        |              |        |      |        |
|--------------------|--------|------|--------|--------------|--------|------|--------|
| MODEL <b>13000</b> | Sedans |      | Coupes | Convertibles | Wagons |      | Sedan  |
|                    | 2-Dr   | 4-Dr |        |              | 2-Dr   | 4-Dr | Pickup |

## BODY—MISCELLANEOUS INFORMATION

|   |             |  |
|---|-------------|--|
| Drs. hinged (front, rear)   | Front doors | Front  |
|   | Rear doors  | Front  |
| Type of finish (lacquer, enamel, other)                                 |             | Acrylic lacquer  |
| Hood counterbalanced (yes, no)  |             | Yes  |
| Hood release control (internal, external)                               |             | External   |
| Vehicle (Serial) No. Location   |             | Left front body hinge pillar   |
| Engine No. Location   |             | 6-cyl - on crankcase, RH side of engine, rear of distributor<br>8-cyl - on top front of RH bank of cylinder and case |
| Theft protection - type   |             | Shielded ignition lock terminals key removable in "OFF" position.  |
| Vent window control method (crank, friction pivot)                      | Front       | Friction pivot   |
|   | Rear        | None   |
| Seat cushion type   | Front       | Formed wire and .75 foam rubber pad (132-13400 (a))  |
|   | Rear        | Formed wire & jute & cotton pad ( -132- 13400)(b)  |
|   | 3rd seat    | None   |
| Seat back type  | Front       | Formed wire & cotton   |
|   | Rear        | Formed wire & cotton   |
|   | 3rd seat    | None   |
| Windshield glass type (i.e., single curved - laminated plate)           |             | Curved, laminated  |
| Backlight glass type (i.e., round curved - tempered plate, three piece) | Curved      | Plastic      Flat      Curved  |
| Side glass type (i.e., curved - tempered plate)                         |             | Curved   |
| Side glass exposed surface area   | 1406.9      | 1356.2    1395.6    1281.4    2529.6    2560.6    839.2  |
| Windshield glass exposed surface area                                   |             | 1107.1   |
| Backlight glass exposed surface area                                    | 1032.3      | 897.7    786.2    768.4    665.2   |
| Total glass exposed surface area  | 3596.3      | 3495.6    3400.4    3174.7    3667.3    4436.1    2611.5   |

## BODY—CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

|  |                       |   |
|--|-----------------------|---|
| Power windows                                      | Side Windows          | Optional  |
|  | Vent Windows          | N. A.   |
|  | Backlight or tailgate | Optional tailgate window on 2-st wagons               |
| Power seats (specify type as well as availability) |                       | 4-way elec. opt. (N. A. on bucket seats)              |
| Reclining front seat back                          |                       | N. A.   |
| Front seat headrest                                |                       | N. A.   |
| Radios (specify type as well as availability)      |                       | Manual, push button AM-FM push button optional        |
| Rear seat speaker                                  |                       | Optional  |
| Power Antenna                                      |                       | N. A.   |
| Clock  |                       | Std. on 135-136-137-13800; optional 131-132-133-13400 |
| Air Conditioner (specify type and availability)    |                       | Four Season, Custom, opt.                             |

(a) 13600 1.75 foam pad; 13800 1.50 foam pad.  
 (b) 136-13800 jute and 1.00 foam pad.

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 3-22-65 REVISED (\*)

### WEIGHTS

|  | CURB WEIGHT - POUNDS |      |                  | % PASS. WEIGHT DISTRIBUTION |      |               |      | SHIPPING *<br>WEIGHT |
|--|----------------------|------|------------------|-----------------------------|------|---------------|------|----------------------|
|  | Front                | Rear | Total            | Pass. In Front              |      | Pass. In Rear |      |                      |
|  |                      |      |                  | Front                       | Rear | Front         | Rear |                      |
| 13800, Optional 396<br>Cu. In. Engine, L37   |                      |      |                  |                             |      |               |      |                      |
| Model  |                      |      |                  |                             |      |               |      |                      |
| <b>MALIBU SUPER SPORT</b>                    |                      |      |                  |                             |      |               |      |                      |
| 13837 2-Door Coupe                           |                      |      | 3270             | 38                          | 62   |               |      | 3115                 |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
| Accessories & Equipment Differential Weights |                      |      |                  |                             |      |               |      | Remarks              |
|  |                      |      | 396              |                             |      |               |      |                      |
|  |                      |      | <del>3-cyl</del> |                             |      |               |      |                      |
| Heater (delete)                              |                      |      | 21               |                             |      |               |      |                      |
| Windows, Power                               |                      |      | 21               |                             |      |               |      |                      |
| Transmission, 4-Speed                        |                      |      | 12               |                             |      |               |      |                      |
| 396 Cu. In. V-8                              |                      |      | 135              |                             |      |               |      |                      |
| Brakes, Power                                |                      |      | 8                |                             |      |               |      |                      |
| Steering, Power                              |                      |      | 27               |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |
|  |                      |      |                  |                             |      |               |      |                      |

\* These are weights that are reported to states for licensing purposes.

# AMA Specifications – Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

|                        |   |                   |   |                    |   |
|------------------------|---|-------------------|---|--------------------|---|
| <b>MANUFACTURER</b>    | Chevrolet Motor Division<br>General Motors Corporation  | <b>CAR NAME</b>   | CHEVELLE<br>131-133-135-13700<br>194 cu. in. 6-cyl. |                    | 132-134-136-13800<br>283 cu. in. 8-cyl. |
| <b>MAILING ADDRESS</b> | Owner Relations Service Dept.<br>Chevrolet Motor Division<br>General Motors Building<br>Detroit, Michigan 48202 | <b>MODEL YEAR</b> | 1965  | <b>ISSUED:</b>     | 9-28-64                                 |
|                        |   |                   |   | <b>REVISED (•)</b> | 2-22-65                                 |

**NOTES:**

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.

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### BODY—TYPES AND STYLE NAMES—

Body type, number of passenger & style names; use manufacturer's code for series & body style.

|                              | 194 Cu. In.<br>6-cylinder | 283 Cu. In.<br>8-cylinder |
|------------------------------|---------------------------|---------------------------|
| <b>CHEVELLE 300</b>          |                           |                           |
| 2-Door Sedan, 6-Pass.        | 13111                     | 13211                     |
| 2-Door Station Wagon, 2-seat | 13115                     | 13215                     |
| 4-Door Sedan, 6-Pass.        | 13169                     | 13269                     |
| <b>CHEVELLE 300 DELUXE</b>   |                           |                           |
| 2-Door Sedan, 6-Pass.        | 13311                     | 13411                     |
| 4-Door Station Wagon, 2-seat | 13335                     | 13435                     |
| 4-Door Sedan, 6-Pass.        | 13369                     | 13469                     |
| 2-Door Sedan Pickup, 3-Pass. | 13380                     | 13480                     |
| <b>MALIBU</b>                |                           |                           |
| 4-Door Station Wagon, 2-seat | 13535                     | 13635                     |
| 2-Door Sport Coupe, 5-Pass.  | 13537                     | 13637                     |
| 2-Door Convertible, 5-Pass.  | 13567                     | 13667                     |
| 4-Door Sedan, 6-Pass.        | 13569                     | 13669                     |
| 2-Door Sedan Pickup, 3-Pass. | 13580                     | 13680                     |
| <b>MALIBU SUPER SPORT</b>    |                           |                           |
| 2-Door Sport Coupe, 4-Pass.  | 13737                     | 13837                     |
| 2-Door Convertible, 4-Pass.  | 13767                     | 13867                     |

# AMA Specifications — Passenger Car

OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a) 2-22-65

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

| MODEL   | Additional Information Page No.: | 13100-300-500-700<br>194 Cu. In. L-6                | 230 Cu. In. L-6 | 13200-400-600-800<br>283 Cu. In. V-8 |              |          |
|---|----------------------------------|---|-----------------|--------------------------------------|--------------|----------|
| Wheelbase (L101)  | 23                               | 115.0   |                 |                                      |              |          |
| Tread   | Front (W101)                     | 58.0  |                 |                                      |              |          |
|   | Rear (W102)                      | 58.0  |                 |                                      |              |          |
| Maximum Overall Dimensions                                  | Length (L103)                    | 196.6, Wagons 201.4                                 |                 |                                      |              |          |
|   | Width (W103)                     | 74.6  |                 |                                      |              |          |
|   | Height (H101)                    | Sed. 53.2, Sp. Coupes 52.8, Wagons 55.1, Conv. 52.9 |                 |                                      |              |          |
| Transmission—<br>(Specify trade name - opt., not available) | Manual Synchronesh               | 3-Speed, Std.                                       |                 | 3-Spd. Std, 4-Spd. Opt.              |              |          |
|   | Overdrive                        | 16  | Optional        |                                      |              |          |
|   | Automatic Powerglide             | Optional  |                 |                                      |              |          |
| Axle ratio  | Manual                           | 17  | 3               | 3.08 (a)                             | 3.08 (a)     | 3.08 (b) |
|   |                                  | 4   | N. A.           | N. A.                                | 3.08 (b)     |          |
|   | Overdrive                        | 17  | 3.70            |                                      | 3.70         | 3.70     |
|   | Automatic                        | 17  | 3.08 (a)        |                                      | 3.08 (a)     | 3.08     |
| Tire size   | 18                               | Sedans, Sport Cpe, Convert.                         |                 | 2 & 4-Dr Wgns & Sedan Pickup         |              |          |
|   |                                  | 6.95 x 14   |                 | 7.35 x 14                            |              |          |
| Engine  | Type, no. cyl., valve arr.       | 2 In-line 6 OHV                                     |                 | 90° V-8 OHV                          |              |          |
|   | Fuel system (Carb., other)       | 8 Carburetor  |                 | Std                                  | RPO - L77    |          |
|   | Bore and stroke                  | 2   | 3.563 x 3.25    | 3.875 x 3.25                         | 3.875 x 3.00 |          |
|   | Piston displ., cu.in.            | 2   | 194             | 230                                  | 283          |          |
|   | Std. compression ratio           | 2   | 8.5:1           |                                      | 9.25:1       |          |
|   | Max. bhp at engine rpm           | 2   | 120 @ 4400      | 140 @ 4400                           | 195@4800     | 220@4800 |
|   | Max. torque at rpm               | 2   | 177 @ 2400      | 220 @ 1600                           | 285@2400     | 295@3200 |

(a) - Station Wagons, 3.36 (b) - 3.36 with 220 HP RPO L77

KEY OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (e) 2-22-65

### GENERAL SPECIFICATIONS — DIMENSIONS

(All dimensions in inches unless otherwise indicated)  
(Supplemental data available on request)

| MODEL | Ref. No. | Sedans |       | Spt Cpes. |     | Conv's. |     | Sta Wgns. |        | Sedan Pickup |
|-------|----------|--------|-------|-----------|-----|---------|-----|-----------|--------|--------------|
|       |          | 2-dr   | 4-dr. | Bn        | Bkt | Bn      | Bkt | 2-seat    | 3-seat |              |

#### FRONT COMPARTMENT

|                                  |     |      |      |      |      |      |  |      |      |  |
|----------------------------------|-----|------|------|------|------|------|--|------|------|--|
| Shoulder room                    | W3  | 58.8 |      |      |      |      |  |      |      |  |
| Max. eff. leg room - accelerator | L34 | 42.0 | 42.1 | 42.0 | 42.1 | 42.0 |  | 42.1 | 41.8 |  |
| Effective head room              | H61 | 38.6 | 37.8 | 37.9 | 38.7 | 38.6 |  | 38.2 | 38.5 |  |
| H Point to Heel point            | H30 | 8.1  | 7.7  |      |      |      |  | 8.1  | 7.9  |  |
| Upper body opening to ground     | H50 | 49.2 |      |      |      |      |  |      |      |  |

#### REAR COMPARTMENT

|                            |     |      |      |      |      |      |      |      |     |
|----------------------------|-----|------|------|------|------|------|------|------|-----|
| Shoulder room              | W4  | 57.4 | 58.8 | 56.8 | 45.6 | 57.4 | 58.8 | ---  | --- |
| H Point couple distance    | L50 | 33.6 | 31.5 | 31.6 | 31.5 | 31.6 | 33.6 | ---  | --- |
| Minimum effective leg room | L51 | 35.9 | 36.3 | 33.3 | 33.2 | 33.3 | 33.2 | 35.9 | --- |
| Effective head room        | H63 | 37.3 | 36.7 | 36.8 | 36.8 | 38.4 | ---  | ---  | --- |

#### STATION WAGON—THIRD SEAT

|                     |     |      |  |  |  |  |  |  |  |
|---------------------|-----|------|--|--|--|--|--|--|--|
| Shoulder room       | W85 |      |  |  |  |  |  |  |  |
| Effective leg room  | L86 | None |  |  |  |  |  |  |  |
| Effective head room | H86 |      |  |  |  |  |  |  |  |

#### LUGGAGE COMPARTMENT

|                                      |      |                              |      |      |           |            |
|--------------------------------------|------|------------------------------|------|------|-----------|------------|
| Usable luggage capacity (See Instr.) | V1   | 16.8                         | 16.7 | 16.5 | ---       | ---        |
| Liftover height                      | H195 | 20.6                         |      |      | 17.8      | ---        |
| Position of spare tire storage       |      | Hor. right rr trunk floor    |      |      | Rt rr qtr | Bk frt sea |
| Method of holding lid open           |      | Torsion bars counterbalanced |      |      | ---       | ---        |

#### STATION WAGON—CARGO SPACE

|   |      |      |
|---|------|------|
| Minimum distance between wheel houses at floor level  | W201 | 42.4 |
| Rear end opening width at belt  | W204 | 53.0 |
| Floor length from back of front seat at floor level to inside of closed tail gate           | L202 | 92.1 |
| Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt | L204 | 80.8 |
| Maximum height - floor covering to headlining at centerline of rear axle                    | H201 | 31.3 |
| Maximum height of rear opening - tail and lift gates open                                   | H202 | 28.5 |
| Cargo volume index (cu.ft.) $\frac{W4 \times L204 \times H201}{1728}$                       | V2   | 86.0 |

# AMA Specifications—Passenger Car

|              |                   |                        |                            |                            |
|--------------|-------------------|------------------------|----------------------------|----------------------------|
| <b>MODEL</b> | <b>CHEVELLE</b>   | <b>MODEL YEAR</b> 1965 | <b>DATE ISSUED</b> 9-28-64 | <b>REVISED</b> (*) 2-22-65 |
|              | 13100-300-500-700 |                        |                            | 13200-400-600-800          |
|              | 194 Cu. In. L-6   | 230 Cu. In. L-6        |                            | 283 Cu. In. V-8            |
|              |                   |                        | Standard                   | RPO - L77                  |

## ENGINE—GENERAL

|  |                 |                       |                 |            |
|--|-----------------|-----------------------|-----------------|------------|
| Type, no. cyls., valve arr.  | In-line 6 OHV   |                       | 90° V-8 OHV     |            |
| Bore and stroke (nominal)  | 3.563 x 3.25    | 3.875 x 3.25          | 3.875 x 3.00    |            |
| Piston displacement, cu. in.   | 194             | 230                   | 283             |            |
| Bore spacing (C/L to C/L)  | 4.4             |                       |                 |            |
| No. system<br>(front to rear)  | L. Bank         | 1-2-3-4-5-6 (In-Line) |                 | 1-3-5-7    |
|  | R. Bank         |                       |                 | 2-4-6-8    |
| Firing order   | 1-5-3-6-2-4     |                       | 1-8-4-3-6-5-7-2 |            |
| Compras. ratio (nominal)   | 8.5:1           | 8.5:1                 | 9.25:1          |            |
| Cylinder Head Material   | Cast alloy iron |                       |                 |            |
| Cylinder Block Material  | Cast alloy iron |                       |                 |            |
| Cylinder Sleeve—Wet, dry, none   | None            |                       |                 |            |
| Number of mounting points  | Front           | Two                   |                 |            |
|  | Rear            | One                   |                 |            |
| Engine installation angle  | 3° 51'          |                       | 5° 11'          |            |
| Taxable horsepower<br><small>Dia.<sup>2</sup> x No. Cyl.<br/>2.5</small> | 30.5            | 36.0                  | 48.0            |            |
| Published max. bhp*<br>@ eng. RPM  | 120 @ 4400      | 140 @ 4400            | 195 @ 4800      | 220 @ 4800 |
| Publ'd max. torque*<br>(RPM)   | 177 @ 2400      | 220 @ 1600            | 285 @ 2400      | 295 @ 3200 |
| Recommended fuel<br>regular - premium                                    | Regular         |                       |                 |            |
| Idle speed (spec.<br>neutral or drive)                                   | Manual          | 500 in Neutral        |                 |            |
|  | Automatic       | 475 in Drive          |                 |            |

## ENGINE—PISTONS

|                          |                             |             |                                      |             |                 |
|--------------------------|-----------------------------|-------------|--------------------------------------|-------------|-----------------|
| Material                 | Cast Alum. Alloy            |             |                                      |             |                 |
| Description and finish   | Flat head;<br>Slipper Skirt |             | Flat, notched head;<br>Slipper Skirt |             |                 |
|                          |                             |             |                                      |             |                 |
| Weight (piston only) oz. | 17.60                       | 20.40       | 20.30                                |             |                 |
| Clearance<br>(limits)    | Top land                    | .033-.044   |                                      | .035 - .044 |                 |
|                          | Skirt                       | Top         | .0005-.0011 (a)                      |             | .0005-.0011 (b) |
|                          |                             | Bottom      |                                      |             |                 |
| Ring groove<br>depth     | No. 1 ring                  | .1960-.2025 |                                      | .2153-.2218 |                 |
|                          | No. 2 ring                  | .1960-.2025 |                                      | .2153-.2218 |                 |
|                          | No. 3 ring                  | .1985-.2050 |                                      | .2093-.2158 |                 |
|                          | No. 4 ring                  | None        |                                      |             |                 |

\*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

- (a) - Measured at 2.20 from top of piston.
- (b) - Measured at 2.44 from top of piston.

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED(a) 2-22-65

## POWER TEAMS

(Indicate whether standard or optional)

| MODEL AVAILABILITY     | ENGINE            |   |                 |                  |                    | TRANSMISSION  | AXLE RATIO<br>(Std. first) |           |  |  |  |  |  |
|------------------------|-------------------|---|-----------------|------------------|--------------------|---|----------------------------|-----------|--|--|--|--|--|
|                        | Displ.<br>cu. in. | Carburetor                                | Compr.<br>Ratio | BHP<br>@<br>RPM  | Torque<br>@<br>RPM |   |                            |           |  |  |  |  |  |
| 13100-300<br>13500-700 | 194               | 1-Bbl<br>Down-<br>draft                   | 8.5:1           | 120<br>@<br>4400 | 177<br>@<br>2400   | 3-Speed   | 3.08:1(a)                  | 3.36:1    |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Powerglide*   | 3.08:1(a)                  | ----      |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Overdrive*  | 3.70:1                     | ----      |  |  |  |  |  |
|                        | 230<br>(Opt)      | 1-Bbl<br>Down-<br>draft                   | 8.5:1           | 140<br>@<br>4400 | 220<br>@<br>1600   | 3-Speed   | 3.08:1(a)                  | 3.36:1    |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Powerglide*   | 3.08:1(a)                  | ----      |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Overdrive*  | 3.70:1                     | ----      |  |  |  |  |  |
| 13200-400<br>13600-800 | 283               | 2-Bbl<br>Down-<br>draft                   | 9.25:1          | 195<br>@<br>4800 | 285<br>@<br>2800   | 3-Speed   | 3.08:1                     | 3.36:1(b) |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | 4-Speed*  | 3.08:1                     | 3.36:1(b) |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Powerglide*   | 3.08:1                     | ----      |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Overdrive*  | 3.70:1                     | ----      |  |  |  |  |  |
|                        | 283*              | 4-Bbl<br>Down-<br>draft<br><i>RPO L77</i> | 9.25:1          | 220<br>@<br>4800 | 295<br>@<br>3200   | 3-Speed   | 3.36:1                     | ----      |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | 4-Speed*  | 3.36:1                     | ----      |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Powerglide*   | 3.36:1                     | ----      |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | Overdrive*  | 3.70:1                     | ----      |  |  |  |  |  |
|                        |                   |   |                 |                  |                    | * - Optional<br># - Also available in Positraction for combinations shown.<br>(a)- Station Wagon Models - 3.36:1<br>(b)- El Caminos - 3.70:1. |                            |           |  |  |  |  |  |

# AMA Specifications - Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED <sup>(a)</sup> 2-22-65

|       |                   |                   |                 |
|-------|-------------------|-------------------|-----------------|
|       | 13100-300-500-700 | 13200-400-600-800 |                 |
| MODEL | 194 Cu. In. L-6   | 230 Cu. In. L-6   | 283 Cu. In. V-8 |

## ENGINE-RINGS

|                             |   |  |
|-----------------------------|---|--|
| Function<br>(top to bottom) | No. 1, oil or comp.                         | Compression  |
|                             | No. 2, oil or comp.                         | Compression  |
|                             | No. 3, oil or comp.                         | Oil Control  |
|                             | No. 4, oil or comp.                         | None   |
| Compression                 | Description - material, type, coating, etc. | Cast alloy iron, inside bevel.<br>Upper - Flash chrome plating O. D.<br>Lower - Wear resistant coating O. D.             |
|                             | Width                                       | .0775-.0780 Upper; .0770-.0780 Lower   |
|                             | Gap   | .010 - .020  |
| Oil                         | Description - material, type, coating, etc. | Multi-piece - (2 rails & one spacer expander)<br>Spacer Expander - Steel<br>Rails - Stainless steel, chrome plated O. D. |
|                             | Width                                       | .1840-.1880 (assembled)  |
|                             | Gap   | .015-.055  |
| Expanders                   |   | In oil ring assembly   |

## ENGINE-PISTON PINS

|                                     |  |                  |      |
|-------------------------------------|--|------------------|------|
| Material                            | Chromium steel                           |                  |      |
| Length                              | 2.990-3.010                              |                  |      |
| Diameter                            | .9270-.9273                              |                  |      |
| Type                                | Locked in rod, in piston, floating, etc. | Locked in rod    |      |
|                                     | Bushing                                  | In rod or piston | None |
|                                     |  | Material         | None |
| Clearance                           | In piston                                | .00015-.00025    |      |
|                                     | In rod                                   | None             |      |
| Direction & amount offset in piston | Major thrust side .060                   |                  |      |

## ENGINE-CONNECTING RODS

|                           |                    |   |       |
|---------------------------|--------------------|---|-------|
| Material                  | Drop forged steel  |   |       |
| Weight (oz.)              | 17.60              | 20.40                                     | 20.30 |
| Length (center to center) | 5.699-5.701        |   |       |
| Bearing                   | Material & Type    | Steel backed babbitt or copper lead alloy |       |
|                           | Overall length     | .807                                      |       |
|                           | Clearance (limits) | .007-.0027                                |       |
|                           | End play           | .009-.013                                 |       |



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a) 2-22-  
 MODEL 13100-300-500-700 194 Cu. In. L-6 | 230 Cu. In. L-6 | 13200-400-600-800  
283 Cu. In. V-8

## ENGINE—CRANKSHAFT

|                                   |   |               |   |                |
|-----------------------------------|---|---------------|---|----------------|
| Material                          | Cast nodular iron                       |               | Cast nodular iron or forged steel         |                |
| Vibration damper type             | Rubber mounted inertia damper (a)       |               |   |                |
| End thrust taken by bearing (No.) | 7                                       |               | 5   |                |
| Crankshaft end play               | .002 - .006                             |               |   |                |
| Main bearing                      | Material & type                         |               | Steel backed babbitt or copper lead alloy |                |
|                                   | Clearance                               |               | .0003 - .0029                             |                |
|                                   | Journal dia. and bearing overall length | No. 1         | 2.3004 x .752                             | 2.3008 x .752  |
|                                   |   | No. 2         | 2.3004 x .752                             |                |
|                                   |   | No. 3         | 2.3004 x .752                             |                |
|                                   |   | No. 4         | 2.3004 x .752                             |                |
|                                   |   | No. 5         | 2.3004 x .752                             | 2.3004 x 1.177 |
|                                   |   | No. 6         | 2.3004 x .752                             |                |
| No. 7                             |   | 2.3004 x .750 | None                                      |                |
| Dir. & amt. cyl. offset           |   | None          |   |                |
| Crankpin journal diameter         | 1.999 - 2.000                           |               |   |                |

## ENGINE—CAMSHAFT

|               |                                      |   |      |
|---------------|--------------------------------------|---|------|
| Location      | Above and to right of crank shaft    | In block above crk/shft.                    |      |
| Material      | Cast alloy iron                      |   |      |
| Bearings      | Material                             | Steel backed babbitt                        |      |
|               | Number                               | 4   |      |
| Type of Drive | Gear or chain                        | Gear  |      |
|               | Crankshaft gear or sprocket material | Steel                                       |      |
|               | Camshaft gear or sprocket material   | Bakelite and fabric composition w/steel hub |      |
|               | Timing chain                         | No. of links                                | None |
|               |                                      | Width                                       | None |
|               |                                      | Pitch                                       | None |
|               |                                      |   | 5    |
|               |                                      | Chain                                       |      |
|               |                                      | Steel Sprocket                              |      |
|               |                                      | Cast alloy iron                             |      |
|               |                                      | 46  |      |
|               |                                      | .875  |      |
|               |                                      | .500  |      |

## ENGINE—VALVE SYSTEM

|   |                   |       |
|---|-------------------|-------|
| Hydraulic lifters (Std, opt, NA)                  | Standard          |       |
| Valve rotator, type (intake, exhaust)             | None              |       |
| Rocker ratio                                      | 1.75:1            | 1.5:1 |
| Operating tappet clearance (indicate hot or cold) | Intake            | Zero  |
|   | Exhaust           | Zero  |
| Timing marks on flywheel, damper, other           | Harmonic balancer |       |

(Continued)

(a) Used only with cast nodular crankshaft.

# AMA Specifications—Passenger Car

|                             |                        |                            |                            |
|-----------------------------|------------------------|----------------------------|----------------------------|
| MAKE OF CAR <b>CHEVELLE</b> | MODEL YEAR <b>1965</b> | DATE ISSUED <b>9-28-64</b> | REVISED (*) <b>2-22-65</b> |
| MODEL                       | 13100-300-500-700      | 13200-400-600-800          |                            |
|                             | 194 Cu. In. L-6        | 230 Cu. In. L-6            | 283 Cu. In. V-8            |

## ENGINE—VALVE SYSTEM (cont.)

|   |   |                             |                       |                  |  |
|---|---|-----------------------------|-----------------------|------------------|--|
| Timing<br>(In-<br>cluding<br>Ramps)     | Intake                                  | Opens (°BTC)                | 62°                   | 32° 30'          |  |
|   |   | Closes (°ABC)               | 94°                   | 87° 30'          |  |
|   |   | Duration - deg.             | 336°                  | 300°             |  |
|   | Exhaust                                 | Opens (°BBC)                | 92° 30'               | 74° 30'          |  |
|   |   | Closes (°ATC)               | 63° 30'               | 45° 30'          |  |
|   |   | Duration - deg.             | 336°                  | 300°             |  |
|   | Valve opening overlap                   |                             | 125° 30'              | 78°              |  |
|   | Intake                                  | Material                    |                       | Alloy steel      |  |
| Overall length                          |   | 4.902 - 4.922               |                       |                  |  |
| Actual overall head dia.                |   | 1.715 - 1.725               |                       |                  |  |
| Angle of seat & face                    |   | 46° (seat) 45° (face)       |                       |                  |  |
| Seat insert material                    |   | None                        |                       |                  |  |
| Stem diameter                           |   | .3404 - .3417               |                       |                  |  |
| Stem to guide clearance                 |   | .0010 - .0033               |                       |                  |  |
| Lift (@ zero lash)                      |   | .3318                       | .3987                 |                  |  |
| Outer<br>spring<br>press. and<br>length |   | Valve closed<br>(lb. @ in.) | 56-64 @ 1.66          | 78-86 @ 1.66     |  |
|   |   | Valve open<br>(lb. @ in.)   | 170-184 @ 1.33        | 170-180 @ 1.26   |  |
| Inner<br>spring<br>press. and<br>length |   | Valve closed<br>(lb. @ in.) | None                  | Spring damper    |  |
|   |   | Valve open<br>(lb. @ in.)   | None                  | Spring damper    |  |
| Exhaust                                 |   | Material                    |                       | High alloy steel |  |
|   |   | Overall length              |                       | 4.913 - 4.933    |  |
|   |   | Actual overall head dia.    |                       | 1.495 - 1.505    |  |
|   | Angle of seat & face                    |                             | 46° (seat) 45° (face) |                  |  |
|   | Seat insert material                    |                             | None                  |                  |  |
|   | Stem diameter                           |                             | .3410 - .3417         |                  |  |
|   | Stem to guide clearance                 |                             | .0010 - .0027         |                  |  |
|   | Lift (@ zero lash)                      |                             | .3318                 | .3987            |  |
|   | Outer<br>spring<br>press. and<br>length | Valve closed<br>(lb. @ in.) | 56-64 @ 1.66          | 78-86 @ 1.66     |  |
|   |   | Valve open<br>(lb. @ in.)   | 170-184 @ 1.33        | 170-180 @ 1.26   |  |
|   | Inner<br>spring<br>press. and<br>length | Valve closed<br>(lb. @ in.) | None                  | Spring damper    |  |
|   |   | Valve open<br>(lb. @ in.)   | None                  | Spring damper    |  |

## ENGINE—LUBRICATION SYSTEM

|  |                      |                             |                         |
|--|----------------------|-----------------------------|-------------------------|
| Type of<br>lubrication<br>(splash,<br>pressure,<br>nozzle) | Main bearings        | Pressure                    |                         |
|  | Connecting rods      | Pressure                    |                         |
|  | Piston pins          | Splash                      |                         |
|  | Camshaft bearings    | Pressure                    |                         |
|  | Tappets              | Pressure                    |                         |
|  | Timing gear or chain | Nozzle                      |                         |
|  | Cylinder walls       | Conn. rod bearing throw-off | Pressure, cross-sprayed |

(Continued)

# AMA Specifications – Passenger Car

|                                    |                                     |                                   |
|------------------------------------|-------------------------------------|-----------------------------------|
| <b>MAKE OF CAR</b> <u>CHEVELLE</u> | <b>MODEL YEAR</b> <u>1965</u>       | <b>DATE ISSUED</b> <u>9-28-64</u> |
|                                    | <b>REVISIONS</b> <u>(a) 2-22-64</u> |                                   |
| <b>MODEL</b>                       | <u>13100-300-500-700</u>            | <u>13200-400-600-800</u>          |
|                                    | <u>194 Cu. In. L-6</u>              | <u>230 Cu. In. L-6</u>            |
|                                    |                                     | <u>283 Cu. In. V-8</u>            |

## ENGINE—LUBRICATION SYSTEM (cont.)

|   |                      |                                 |
|---|----------------------|---------------------------------|
| Oil pump type   | Gear                 |                                 |
| Normal oil pressure (lb. @ engine rpm)                        | 30-45 PSI @ 1500 RPM |                                 |
| Oil pressure sending unit (elect. or mech.)                   | Electric             |                                 |
| Type oil intake (floating, stationary)                        | Stationary           |                                 |
| Oil filter system (full flow, partial, other)                 | Full-flow            |                                 |
| Filter replacement (element, complete)                        | Complete             | Element                         |
| Capacity of crankcase, less filter-refill (qt.)               | 4.0                  |                                 |
| * Oil grade recommended (SAE viscosity and temperature range) | 32° F and above      | - SAE 20W, SAE 20 or SAE 10W-30 |
|   | 0° F and above       | - SAE 10W, SAE 10W-30           |
|   | Below 0° F           | - SAE 5W, SAE 5W-20             |
| Engine Service Requirement (MM, MS, etc.)                     | MS or DC             |                                 |

## ENGINE—EXHAUST SYSTEM

|  |                         |                         |
|--|-------------------------|-------------------------|
| Type (single, single with cross-over, dual, other)                   | Single                  | Single w/crossover (a)  |
| Muffler No. & type (reverse flow, straight thru, separate resonator) | One, reverse flow (a)   |                         |
| Exhaust pipe dia. (O.D. & wall thickness)                            | Branch                  | Laminated 2.00x.094     |
|  | Main                    | Laminated 2.00x.082 (a) |
| Oil pipe diameter (O.D. & wall thickness)                            | 1.875 x .062 - .076 (a) |                         |

## ENGINE—CRANKCASE VENTILATION SYSTEM

|  |  |                                |                    |
|--|--|--------------------------------|--------------------|
| Type (ventilates to atmos., induction system, other) | Standard   | Ventilates to induction system |                    |
|  | Optional   |                                |                    |
| Control unit   | Make and model   |                                |                    |
|  | Location   | Top rear of rocker cover       | Rear of carburetor |
|  | Energy source (manifold vacuum, carburetor air stream, other)                | Manifold vacuum                |                    |
| Complete system                                      | Control method (variable orifice, fixed orifice, other)                      | Variable                       |                    |
|  | Discharges (to intake manifold, carb. air intake, air cleaner intake, other) | Intake manifold                |                    |
|  | Air inlet (breather cap, carburetor air cleaner, other)                      | Breather cap                   |                    |
|  | Flame arrestor (screen, check valve, other)                                  | Check valve                    |                    |

\* SAE 5W-30 can be used as an alternate for 5W; 5W-20 or 10W-30.

(a) RPO L77 - 220 HP - Dual; two, with resonators; 2.50 x .073 - .091 laminated;  
2.00 x .062 - .076

# AMA Specifications— Passenger Car

**MAKE OF CAR** CHEVELLE      **MODEL YEAR** 1965      **DATE ISSUED** 9-28-64 **REVISED** <sup>(a)</sup> 2-22-65  
13100-300-500-700      13200-400-600-800  
**MODEL** 194 Cu. In. L-6      230 Cu. In. L-6      283 Cu. In. V-8

## ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

|   |   |  |                  |
|---|---|--|------------------|
| Induction type: Carburetor, fuel injection, supercharger. |   | <b>Carburetor</b>  |                  |
| Fuel Tank   | Capacity (gals.)                                | 20   |                  |
|   | Filler location                                 | Behind hinged rr license plate (a)   |                  |
| Fuel Pump   | Type (elec. or mech.)                           | Mechanical   |                  |
|   | Locations                                       | Lower right front of engine  |                  |
|   | Pressure range                                  | 3.50 - 4.50 PSI  | 5.25 - 6.50 PSI  |
| Vacuum booster (std., optional, none)                     |   | None   |                  |
| Fuel Filter   | Type  | Fine mesh plastic strainer in gasoline tank and sintered bronze filter in carburetor |                  |
|   | Locations                                       | Automatic  |                  |
| Carburetor  | Choke type                                      | Exhaust  |                  |
|   | Intake manifold heat control (exhaust or water) | Oil-wetted polyurethane  |                  |
|   | Air clnr. type                                  | Standard   | Oil-wetted paper |
|   | Optional  |  |                  |

## CARBURETOR SUPPLEMENTARY INFORMATION

| Model Usage            | Engine Displ. | Transmission       | Carburetors |         | No. Used and Type              | Barrel Size                  |
|------------------------|---------------|--------------------|-------------|---------|--------------------------------|------------------------------|
|                        |               |                    | Make        | Model   |                                |                              |
| 11100-300<br>11500-700 | 194           | 3-Speed            | Rochester   | 7025105 | One; Single-Barrel, Down-draft | 1.56                         |
|                        |               | Powerglide         | Rochester   | 7023108 |                                |                              |
|                        | 230 (Opt)     | 3-Speed            | Rochester   | 7025003 | One; Single-Barrel, Down-draft | 1.56                         |
|                        |               | Powerglide         | Rochester   | 7025000 |                                |                              |
| 13200-400<br>13600-800 | 283           | 3-Speed<br>4-Speed | Rochester   | 7024101 | One; Two-Barrel, Down-draft    | 1.44                         |
|                        |               | Powerglide         | Rochester   | 7024110 |                                |                              |
|                        | 283 (Opt)     | 3-Speed<br>4-Speed | Rochester   | 7025127 | One; Four-Barrel               | 1.44<br>Primary<br>Secondary |
|                        |               | Powerglide         | Rochester   | 7025128 |                                |                              |

(a) Left rear quarter panel on Station Wagons and El Camino.

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a) 2-22-65  
 MODEL \_\_\_\_\_ 13100-300-500-700 13200-400-600-800  
 \_\_\_\_\_ 194 Cu. In. L-6 230 Cu. In. L-6 283 Cu. In. V-8

## ENGINE—COOLING SYSTEM

|   |                                |  |              |      |
|---|--------------------------------|--|--------------|------|
| Type system (pressure, pressure vented, atmospheric, other) |                                | Pressure                               |              |      |
| Radiator cap relief valve pressure                          |                                | 13 PSI ± 1                             |              |      |
| Circulation thermostat                                      | Type (choke, bypass)           | Choke                                  |              |      |
|   | Starts to open at (°F)         | 177° - 183° F                          |              |      |
| Water pump  | Type (centrifugal, other)      | Centrifugal                            |              |      |
|   | GPM @ 1000 pump rpm            | 58 @ 4400                              | 54 @ 4400    |      |
|   | Number of pumps                | One                                    |              |      |
|   | Drive (V-belt, other)          | V-belt                                 |              |      |
| Bearing type  |                                | Permanently lubricated double row ball |              |      |
| By-pass recirculation type (internal, external)             |                                | Internal                               |              |      |
| Radiator core type (cellular, tube and fin, other)          |                                | Tube on center                         |              |      |
| Cooling system capacity                                     | With heater (qt.)              | 11                                     | 17           |      |
|   | Without heater (qt.)           | 10                                     | 16           |      |
|   | Opt. equipment-specify (qt.) * | 12                                     | 18           |      |
| Water jackets full length of cylinder (yes, no)             |                                | Yes                                    |              |      |
| Water all around cylinder (yes, no)                         |                                | Yes                                    |              |      |
| Radiator hose   | Lower                          | Number and type (molded, straight)     | One, molded  |      |
|   |                                | Inside diameter                        | 1.75         |      |
|   | Upper                          | Number and type (molded, straight)     | One, molded  |      |
|   |                                | Inside diameter                        | 1.28         | 1.50 |
|   | By-pass                        | Number and type (molded, straight)     | None         |      |
|   |                                | Inside diameter                        | ----         |      |
| Fan   | Number of blades & Spacing     |  | 4, staggered |      |
|   | Diameter                       |  | 17.62        |      |
|   | Ratio-fan to crankshaft rev.   |  | .949:1       |      |
|   | Fan cutout type                |  | None         |      |
|   | Bearing type                   |  |              |      |
| *Drive belts (indicate belt used by letter)                 | Fan                            | A                                      | D            |      |
|   | Generator                      | A                                      | D            |      |
|   | Water Pump                     | A                                      | D            |      |
|   | Power Steering                 | B                                      | E            |      |
|   | Air Conditioning               | C                                      | F            |      |

| * Drive Belt Dimensions | A           | B     | C     | D     | E     | F     |
|-------------------------|-------------|-------|-------|-------|-------|-------|
| Angle of V              | 38° - 42°   |       |       |       |       |       |
| Nominal length (SAE)    | 39.00       | 49.50 | 54.75 | 53.50 | 41.50 | 57.50 |
| Width                   | .380 ± .005 |       |       |       |       |       |

\* With heater.

# AMA Specifications – Passenger Car

MAKE OF CAR **CHEVELLE** MODEL YEAR **1965** DATE ISSUED **9-28-64** REVISED(\*) **2-22-65**

|       |                   |                                    |
|-------|-------------------|------------------------------------|
|       | 13100-300-500-700 | 13200-400-600-800                  |
| MODEL | 194 Cu. In. L-6   | 230 Cu. In. L-6<br>283 Cu. In. V-8 |

## ELECTRICAL—SUPPLY SYSTEM

|           |                               |                                 |                     |  |
|-----------|-------------------------------|---------------------------------|---------------------|--|
| Battery   | Make and Model                | Delco-Remy #1980554             |                     |  |
|           | Voltage Rtg. & Total Plates   | 12 Volt; 54 Plates              |                     |  |
|           | SAE Designation & Amp Hr. Rtg | 44 Amp/Hr @ 20 Hr Rate          |                     |  |
|           | Location                      | Rgt side frt engine compartment |                     |  |
|           | Terminal grounded             | Negative                        |                     |  |
| Generator | Make                          | Delco-Remy                      |                     |  |
|           | Model                         | #1100693                        |                     |  |
|           | Type                          | Diode rectified                 |                     |  |
|           | Ratio—Gen. to Cr/s rev.       | 2.46:1                          |                     |  |
|           | Gen. cut-in (hot)—engine rpm  |                                 |                     |  |
| Regulator | Make                          | Delco-Remy                      |                     |  |
|           | Model                         | #1119515                        |                     |  |
|           | Type                          | Vibrator                        |                     |  |
|           | Cutout relay                  | Closing voltage @ generator rpm |                     |  |
|           |                               | Reverse current to open         |                     |  |
|           | Regu-lated                    | Voltage                         | 13.8 - 14.8 @ 85° F |  |
|           |                               | Current                         | None                |  |
|           | Voltage test con-ditions      | Temperature                     | Operating           |  |
|           |                               | Load                            | 3 - 8 Amps          |  |
| Other     |                               | None                            |                     |  |

## ELECTRICAL—STARTING SYSTEM

|                |                           |  |          |  |
|----------------|---------------------------|--|----------|--|
| Starting motor | Make                      | Delco-Remy   |          |  |
|                | Model                     | #1107259   | #1107247 |  |
|                | Rotation (drive end view) | Clockwise  |          |  |
|                | Engine cranking speed     |  |          |  |
|                | Test conditions           | Engine at operating temperature  |          |  |
|                | Lock test                 | Amps   |          |  |
|                |                           | Volts  |          |  |
|                |                           | Torque (lb. ft.)   |          |  |
|                | No load test              | Amps   | 49 - 76  |  |
|                |                           | Volts  | 10.6     |  |
| RPM (min.)     |                           | 6200-9400  |          |  |
| Motor control  | Switch (solenoid, manual) | Solenoid   |          |  |
|                | Starting procedure        | <p><b>SYNCHROMESH</b> - Place gearshift in neutral and depress clutch to floor. <b>POWERGLIDE</b> - Place control lever in N or P position. <b>INITIAL START</b> - Depress accelerator pedal to floor and release. Turn ignition to <b>START</b> and release as soon as engine starts.</p> |          |  |

(Continued)

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE      **MODEL YEAR** 1965      **DATE ISSUED** 9-28-64      **REVISED** <sup>(\*)</sup> 2-22-65  
**MODEL**      13100-300-500-700      13200-400-600-800  
                     194 Cu. In. L-6      230 Cu. In. L-6      283 Cu. In. V-8

## ELECTRICAL—STARTING SYSTEM (cont.)

|                           |                             |                         |     |  |  |
|---------------------------|-----------------------------|-------------------------|-----|--|--|
| <b>Motor Drive</b>        | Engagement type             | Positive shift solenoid |     |  |  |
|                           | Pinion meshes (front, rear) | Rear                    |     |  |  |
|                           | Number of teeth             | Pinion                  | 9   |  |  |
|                           |                             | Flywheel                | 153 |  |  |
| Flywheel tooth face width |                             | .4010 - .4130           |     |  |  |

## ELECTRICAL—IGNITION SYSTEM

195 HP Std.      220 HP RPO L77

|                           |  |   |                   |            |  |            |
|---------------------------|--|---|-------------------|------------|--|------------|
| <b>Coil</b>               | Make   | Delco-Remy                                      |                   |            |  |            |
|                           | Model  | #1115208  |                   |            | #1115204                               |            |
|                           | Amps   | Engine stopped                                  | 4.0               |            |  |            |
| Engine idling             |  | 1.8   |                   |            |  |            |
| <b>Distributor</b>        | Make   | Delco-Remy                                      |                   |            |  |            |
|                           | Model  | #1110293  | #1110280          | #1111015   | 1111075                                |            |
|                           | Cent'gal adv. in crankshaft degrees @ engine rpm (nominal) | Start (rpm)                                     | 600               | 800        | 800                                    | 750        |
|                           |  | Intermediate points deg. @ rpm                  |                   |            |  |            |
|                           |  | Max deg. @ rpm                                  | 26° @ 2300        | 30° @ 3000 | 30° @ 4000                             | 26° @ 4100 |
|                           | Vacuum adv. in crankshaft degrees @ In. Hg. (nominal)      | Start (in Hg)                                   | 6                 |            | 8                                      | 6          |
|                           |  | Intermediate points, deg @ in Hg                |                   |            |  |            |
|                           |  | Max. deg. in. Hg.                               | 21 @ 14.5         |            | 15 @ 15.5                              | 22 @ 550   |
|                           | Breaker gap (in.)  |   | .019              |            |  |            |
|                           | Cam angle (deg.)   |   | 31° - 34°         |            | 28° - 32°                              |            |
| Breaker arm tension (oz.) |  | 19 - 23 oz                                      |                   |            |  |            |
| <b>Timing</b>             | Crankshaft deg. @ rpm.                                     | 8° BTC @ 450-500                                | 4° ± 1° BTC @ 500 |            | 6 @ 550                                |            |
|                           | Mark location  | Harmonic Balancer                               |                   |            |  |            |
|                           | Cylinder numbering system (see page 2)                     | Front to rear<br>1-2-3-4-5-6                    |                   |            | Left bank 1-3-5-7<br>Rgt. bank 2-4-6-8 |            |
|                           |  | Firing order (see page 2)                       |                   |            | 1-5-3-6-2-4<br>1-8-4-3-6-5-7-2         |            |
| <b>Spark Plug</b>         | Make and model   | AC 46N<br>(Long Reach)                          |                   | AC 45      |  |            |
|                           | Thread (mm)  | 14  |                   |            |  |            |
|                           | Tightening torque (lb. ft.)                                | 25  |                   |            |  |            |
|                           | Gap  | .033 - .038                                     |                   |            |  |            |
| <b>Cable</b>              | Conductor type   | Linen core impregnated with conducting material |                   |            |  |            |
|                           | Insulation type  | Rubber w/neoprene jacket                        |                   |            |  |            |
|                           | Spark plug protector                                       | Neoprene  |                   |            |  |            |

## ELECTRICAL—SUPPRESSION

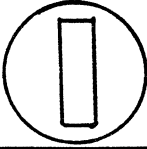
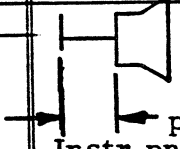
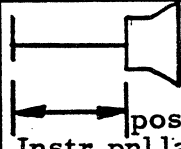


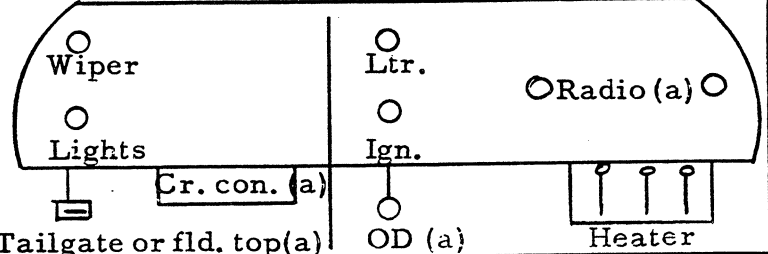
Locations & type

Non-Metallic High Tension Ignition Cables

# AMA Specifications – Passenger Car

|                             |                        |                            |                            |
|-----------------------------|------------------------|----------------------------|----------------------------|
| MAKE OF CAR <b>CHEVELLE</b> | MODEL YEAR <b>1965</b> | DATE ISSUED <b>9-28-64</b> | REVISED (a) <b>2-22-65</b> |
| 10 - Standard               | 13100                  | 13300                      | 13500                      |
| L-6 & V-8                   | 13200                  | 13400                      | 13600                      |
| MODEL <b>Opt. L-6</b>       |                        |                            | 13700                      |
|                             |                        |                            | 13800                      |

## ELECTRICAL—INSTRUMENTS AND SWITCHES

|                             |   |  |   |  |   |
|-----------------------------|---|--|---|--|---|
| Speed-ometer                | Make  | AC   |   |  |   |
|                             | Trip odometer (yes, no)                             | No   |   |  |   |
| Charge indicator—type       |   | tell-tale  |   | gage   |   |
| Temperature indicator—type  |   | tell-tale  |   | gage   |   |
| Oil pressure indicator—type |   | tell-tale  |   | gage   |   |
| Fuel indicator—type         |   | electric gage  |   |  |   |
| Other                       |   | cigarette lighter, clock (a), tachometer (a)   |   |  |   |
| Ignition switch             | Identify positions in order and circuits controlled | <b>ACCESSORY OFF ON START</b><br>   | <b>ACCESSORY</b> - accessory (ignition off). <b>OFF</b> - off, locked. <b>ON</b> - ignition, battery, accessories. <b>START</b> - starter mtr, spring return to ON. |  |   |
|                             | Provision for illumination                          | instrument lamps   |   |  |   |
|                             | Location  | instrument cluster to right of steering column   |   |  |   |
| Main lighting switch        | Identify positions and lamps controlled             | <br>1st position<br>Instr. pnl lamps, parking, tail & license lamps.   | <br>2nd position<br>Instr. pnl lamps, head lmps, tail & license lmps.             | <br>CW rotation<br>Instr. pnl lamps dim to off. | <br>CCW rotation<br>Instr. pnl lamps off to bright; full CCW rotation; dome lamp and/or courtesy lamps on. |
|                             | Locations and lamps controlled                      | Toe panel - hdlamp dimmer. Glove compt. -glove compt. lamp (a).<br>Front door hinge pillars - dome and/or courtesy lamps (a).<br>Steer. col - direction signal indicators & lamps. Brake pedal pendent - stop lamps. Parking brake lever - parking brake alarm (a).<br>Steer. mast jacket - backup lamps exc 4-spd & 13700 & 800 w/PG (a). |   |  |   |
| Other switches              | Locations and devices controlled                    |    |   | Left side of front seat lower panel - power seat (a).<br>Door & qtr trim panels - power windows (a).                               |   |
| Windshield wiper            | Make  | Delco  |   |  |   |
|                             | Type  | electric single-spd except two-speed for 13700 and 13800 (a)   |   |  |   |
|                             | Vacuum booster provision                            | None   |   |  |   |
|                             | Washer provision                                    | with 2-spd wiper (a)   |   |  |   |
| Horn                        | Type  | vibrator   |   |  |   |
|                             | Number used   | two (a)  |   |  |   |
|                             | Amp draw (each)                                     | 8.00 - 11.0 @ 12.5V  |   |  |   |

(a) OPTIONAL EQUIP: Clock 13100, 200, 300 & 400; tach. opt. with V-8 engine; glove compt. lamp 13100, 200, 300 & 400; courtesy lamps exc std conv (door jam switches included on 13100, 200, 300 & 400); parking brake alarm; W/S washer for single-spd wiper; 2-spd wiper (including washer) exc std; 13700 & 13800; tailgate window control; folding top; radio; power seat; power windows; low note 3rd horn exc 131, 13200; overdrive; backup lamps 13100, 200, 300 & 400; cruise control; Powerglide; 4-spd w/V-8.



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|                             |                        |                            |                            |
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| 13000 Std.<br>L-6 & V-8     | 13100                  | 13300                      | 13500                      |
| <b>MODEL</b> Opt. L-6       | 13200                  | 13400                      | 13600                      |
|                             |                        |                            | 13700                      |
|                             |                        |                            | 13800                      |

## ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.

|                         |           |  |                           |
|-------------------------|-----------|--|---------------------------|
| Headlamps & arrangement |           | Dual, horizontal; outer, 2-4002; inner, 2-4001 |                           |
| Headlamp beam indicator |           | 1-1895   |                           |
| Parking                 |           | 2-1157   |                           |
| Tail                    |           | 2-1157   |                           |
| Stop                    |           | 2-1157   |                           |
| Direction signal        | Front     | 2-1157   |                           |
|                         | Rear      | 2-1157   |                           |
|                         | Indicator | 2-1445   |                           |
| License Plate           |           | 1-1155   |                           |
| Oil pressure indicator  |           | 1-1895   | Gage                      |
| Charge indicator        |           | 1-1895   | Gage                      |
| Instrument              |           | 4-1895   | 6-1895                    |
| Clock                   |           | Instru. lamps (a) opt.                         | Instrument lamps (a) Std. |
| Radio                   |           | 1-1893   |                           |

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

|                       |   |           |                  |
|-----------------------|---|-----------|------------------|
| Ignition lock         | Instru. lamps                             |           | Std.             |
| Back up               | 2-1156 opt.                               | 2-1156    | Std.             |
| Dome                  | 1-211                                     |           | Std.             |
| Glove compartment     | 1-1895 opt.                               | 1-1895    | Std.             |
| Prkg. brake signal    | 1-257                                     |           | Opt.             |
| Luggage compartment   | 1-1003                                    |           | Opt. (NA Wagons) |
| Underhood             | 1-93                                      |           | Opt.             |
| Courtesy (Instr. pnl) | 2-631 opt, exc std, conv.                 | 2-631 (b) | Std.             |
| Map                   | NA  |           |                  |
| Ash tray              | 1-53                                      |           | Opt.             |
| Temp. Ind.            | 1-1895                                    | std.      | Gage Std.        |
| Heater controls       | 1-1895                                    |           | Std.             |
| Auto. trans. pos      | pattern ind. 1-1445                       | opt.      | 1-1895 Opt.      |
| Spot lamp             | Inside operated, 1-4405; portable, 1-4416 |           | Opt.             |
| Tachometer            | Instrument lamps                          |           | Opt. with V-8    |
| Traffic hazard ind.   | 1-1445                                    |           | Opt.             |

(a) With tachometer option, 1-1895

(b) Seat separator courtesy std. with 4-speed or automatic, 1-211.

# AMA Specifications – Passenger Car

|                             |                        |                            |                            |
|-----------------------------|------------------------|----------------------------|----------------------------|
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| 1300 - Standard             | 13100                  | 13300                      | 13500                      |
| L-6 & V-8,                  | 13200                  | 13400                      | 13600                      |
| <b>MODEL</b> Opt L6         |                        |                            | 13700                      |
|                             |                        |                            | 13800                      |

## ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (a).

|                         |                  |     |                   |                          |
|-------------------------|------------------|-----|-------------------|--------------------------|
| Headlamp                | 15 C. B.         | (a) | Ash tray lamp     | (c)                      |
| Headlamp beam indicator |                  | (a) | Traffic haz. ind. | (b)                      |
| Parking lamp            |                  | (a) | Heater            | AGC 10 (g)               |
| Tail lamp               | AGC 15           | (b) | Air conditioning  | Two AGC 30, one in "(g)" |
| Stop lamp               |                  | (b) | Defogging unit    | (g)                      |
| Direction indicator     | AGC 3            | (c) | Spot lamp         | (b)                      |
| License plate lamp      |                  | (b) | Courtesy lamp     | (b)                      |
| Instrument lamp         |                  | (c) | Fuel gage         | (d)                      |
| Ignition lamp           | -----            |     | Folding top motor | 40 C. B.                 |
| Back up lamp            | AGC 10           | (d) | Power seats       | 40 C. B.                 |
| Dome lamp               |                  | (b) | Power windows     | 40 C. B.                 |
| Clock                   |                  | (b) | Tailgate motor    | 40 C. B.                 |
| Clock lamp              |                  | (c) | OD solenoid       | AGC 15                   |
| Radio                   | AGC 2.5          |     |                   |                          |
| Glove compartment lamp  |                  | (b) |                   |                          |
| Cigarette lighter       |                  | (b) |                   |                          |
| W/S wiper (sgl-spd)     | SAE 20           | (f) |                   |                          |
| W/S wiper (2-spd)       | "(f)" & 14 C. B. |     |                   |                          |
| Parking brake alarm     |                  | (d) |                   |                          |
| Cl. ge, temp & oil ind. |                  | (d) |                   |                          |
| Tachometer              |                  | (d) |                   |                          |
| Heater controls lamp    |                  | (c) |                   |                          |
| Auto trans. dial ind.   |                  | (c) |                   |                          |
| Underhood lamp          | SAE 4            |     |                   |                          |
| Lugg. compt. lamp       |                  | (b) |                   |                          |

## ELECTRICAL—LOCATION OF OUTSIDE LAMPS

|                                       |  |             |                    |
|---------------------------------------|--|-------------|--------------------|
| Height above ground to center of bulb | Tail                                       | Lowest      | 24.9 (27.4 wagons) |
|                                       |  | Highest     | 24.9 (27.4 wagons) |
|                                       | Stop                                       |             | 24.9 (27.4 wagons) |
|                                       |  | Backup      | 15.9 (24.2 wagons) |
|                                       | License, rear                              |             | 16.4 (18.1 wagons) |
|                                       |  | Directional | Front              |
|                                       | Rear                                       |             | 24.9 (27.4 wagons) |
|                                       | Headlamp                                   | Inside      | 26.4 (27.0 wagons) |
|                                       |  | Outside*    | 26.4 (27.0 wagons) |
|                                       | Distance from C/L of car to center of bulb | Tail        | Inside             |
| Outside                               |  |             | 29.1 (32.4 wagons) |
| Stop                                  |  |             | 29.1 (32.4 wagons) |
|                                       |  | Backup      | 29.1 (32.4 wagons) |
| License, rear                         |  |             | 7.1                |
|                                       |  | Directional | Front              |
| Rear                                  |  |             | 29.1 (32.6 wagons) |
| Headlamp                              |  | Inside      | 21.7               |
|                                       |  | Outside*    | 26.3               |

\* If single headlamps are used enter here.

# AMA Specifications – Passenger Car

|                                       |                        |                            |                            |                 |
|---------------------------------------|------------------------|----------------------------|----------------------------|-----------------|
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| 13000 - Std. L-6 and V-8 Optional L-6 | Std L-6                | Opt L-6                    | Std L-6, Opt L-6           | V-8             |
| <b>MODEL</b>                          | 3-Spd, OD              | 3-Spd, OD                  | HD (RPO M01)               | 3-Spd, OD 4-Spd |

## DRIVE UNITS—CLUTCH (Manual Transmission)

|                                |                                     |                                    |           |            |                       |
|--------------------------------|-------------------------------------|------------------------------------|-----------|------------|-----------------------|
| Make & type                    | Chevrolet, single dry disc          |                                    |           |            | (a)                   |
| Type pressure plate springs    | Diaphragm                           |                                    |           |            | (b)                   |
| Effective plate pressure (lb.) | 1250-1450                           | 1700-1950                          | 1900-2200 | 1700-1950  | 2100-2300             |
| No. of clutch driven discs     | One                                 |                                    |           |            |                       |
| Clutch facing                  | Material                            | Woven type asbestos                |           | (c)        | Woven type asbestos   |
|                                | Outside & inside dia.               | 9.12 & 6.12                        |           | 10.0 & 6.0 | 10.0 & 6.5 10.4 & 6.5 |
|                                | Total eff. area (sq.in.)            | 71.8                               |           | 100.5      | 90.7 103.5            |
|                                | Thickness                           | .135 ea.                           |           |            |                       |
|                                | Engagement cushioning method        | Flat spring steel between facings  |           |            |                       |
| Release bearing                | Type & method of lubrication        | Single row ball, packed and sealed |           |            |                       |
| Torsional damping              | Methods: springs, friction material | Coil springs                       |           |            |                       |

## DRIVE UNITS—TRANSMISSIONS

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| Manual (std. or opt.)                | 3-speed std., 4-speed opt. with V-8 |
| Manual with overdrive (std. or opt.) | Optional                            |
| Automatic (std. or opt.)             | Optional                            |

## DRIVE UNITS—MANUAL TRANSMISSION

|                                    |                      |                             |        |  |
|------------------------------------|----------------------|-----------------------------|--------|--|
| Number of forward speeds           | 3                    | 4                           |        |  |
| Transmission ratios                | In first             | 2.94                        | 2.56   |  |
|                                    | In second            | 1.68                        | 1.91   |  |
|                                    | In third             | 1.00                        | 1.48   |  |
|                                    | In fourth            | ---                         | 1.00   |  |
|                                    | In reverse           | 2.94                        | 2.64   |  |
| Synchronous meshing, specify gears | 2nd and 3rd          | Fwd gea                     |        |  |
| Shift lever location               | Steering column      | Floor                       |        |  |
| Lubricant                          | Capacity (pt.)       | 2.0                         | 2.5    |  |
|                                    | Type recommended     | Military Spec. MIL-L-2105-B |        |  |
|                                    | SAE viscosity number | Summer                      | SAE 80 |  |
|                                    |                      | Winter                      | SAE 80 |  |
| Extreme cold                       |                      | SAE 80                      |        |  |

- (a) Chevrolet, single dry disc, centrifugal.
- (b) Diaphragm, bent finger design.
- (c) Woven front and molded rear facings.

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a) 2-22-65

|                                      |          |          |          |
|--------------------------------------|----------|----------|----------|
| 13000 Standard L-6<br>& V-8 Opt. L-6 | Std. L-6 | Opt. L-6 | Std. V-8 |
|--------------------------------------|----------|----------|----------|

## DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

|           |   |                                 |  |                                     |
|-----------|---|---------------------------------|--|-------------------------------------|
| Overdrive | Type, (planetary or other)              |                                 | Planetary  |                                     |
|           | Manual lockout (yes, no)                |                                 | Yes  |                                     |
|           | Downshift accelerator control (yes, no) |                                 | Yes  |                                     |
|           | Minimum cut-in speed                    |                                 | Output shaft RPM; deceleration 1100; acceleration 1440 |                                     |
|           | Gear ratio                              |                                 | 7:1  |                                     |
|           | Lu-<br>bri-<br>cant                     | Capacity (pt.) (Overdrive only) |  | 1                                   |
|           |   | Separate filler (yes, no)       |  | No                                  |
|           |   | Type recommended                |  | Meeting Military Spec. MIL-L-2105-B |
|           |   | SAE vis-<br>cosity<br>number    | Summer   | SAE 80                              |
|           |   |                                 | Winter   | SAE 80                              |
| Ext. cold | SAE 80                                  |                                 |  |                                     |

## DRIVE UNITS—AUTOMATIC TRANSMISSION

|  |   |    |   |
|--|---|----|---|
| Trade name   | Powerglide  |    |   |
| Type describe  | Torque converter with planetary gears                     |    |   |
| Method of Selection<br>(Lever, Push Button or other)                                     | Lever<br>(Floor mounted 13700 & 800; steer. col. balance) |    |   |
| Selector Pattern   | P-R-N-D-L   |    |   |
| Gear ratios Selector Pattern and<br>indicate which are used in each<br>selector position | D - 1.82 to 1.0<br>L and R - 1.82                         |    |   |
| Max. upshift speeds—drive range  | 51  | 53 | 59  |
| Max. kickdown speeds—drive range   | 48  | 49 | 55  |
| Torque<br>converter  | Number of elements  |    | 3   |
|  | Max. ratio at stall                                       |    | 2.40                      2.10                              |
|  | Type of cooling (air, water)                              |    | Air                      Air (a)                      Water |
| Lubricant  | Capacity—refill (pt.)                                     |    | 3   |
|  | Type recommended  |    | A w/ suffix A   |
| Special transmission<br>features   |   |    |   |

## DRIVE UNITS—PROPELLER SHAFT

|   |                        |  |                      |
|---|------------------------|--|----------------------|
| Number used   | One                    |  |                      |
| Type (exposed, torque tube)                           | Exposed, unsupported   |  |                      |
| Outer<br>diameter x<br>length* x<br>wall<br>thickness | Manual transmission    |  | 3.25 x 60.137 x .065 |
|   | Overdrive transmission |  | Same as 3-speed      |
|   | Automatic transmission |  | Same as 3-speed      |

\*Center to center of universal joints, or to centerline of rear attachment.

(Continued)

(a) Oil cooling equipment available optionally.

# AMA Specifications – Passenger Car

|                                     |                        |                            |                            |                   |
|-------------------------------------|------------------------|----------------------------|----------------------------|-------------------|
| <b>MAKE OF CAR</b> CHEVELLE         | <b>MODEL YEAR</b> 1965 | <b>DATE ISSUED</b> 9-28-64 | <b>REVISED</b> (e) 2-22-65 |                   |
| 13000 - Std. L-6<br>& V-8, Opt. L-6 | Std. L-6               | Opt. L-6                   | Std. V-8                   | 3-Speed   4-Speed |

## DRIVE UNITS—PROPELLER SHAFT (cont.)

|   |  |                             |
|---|--|-----------------------------|
| <b>Inter-mediate bearing</b>                        | Type (plain, anti-friction)            | None                        |
|   | Lubrication (fitting, prepack)         | ----                        |
| <b>Universal joints</b>                             | Make                                   | Chevrolet                   |
|   | Number used                            | 2                           |
|   | Type (ball and trunnion, cross, other) | Cross                       |
|   | Bearing                                | Type (plain, anti-friction) |
| Lubric. (fitting, prepack)                          |  | Prepack                     |
| Drive taken through (torque tube or arms, springs)  |  | Control arms                |
| Torque taken through (torque tube or arms, springs) |  | Control arms                |

## DRIVE UNITS—REAR AXLE

|                                   |                                     |   |          |          |  |
|-----------------------------------|-------------------------------------|---|----------|----------|--|
| Description (see instructions)    | Semi-floating, overhung pinion gear |   |          |          |  |
| Limited Slip differential, type   | Dual disc clutches                  |   |          |          |  |
| Drive Pinion Offset               | 1.5                                 |   |          |          |  |
| No. of differential pinions       | 2                                   |   |          |          |  |
| <b>Gear ratios (Std. equip.)</b>  | Manual transmission                 | 3.08 (a)  | 3.08 (a) | 3.08 (b) |  |
|                                   | Overdrive transmission              | 3.70  | 3.70     | 3.70     |  |
|                                   | Automatic transmission              | 3.08 (a)  | 3.08 (a) | 3.08 (b) |  |
| Ring gear O.D. (std. ratio)       | 8.125                               |   |          |          |  |
| Pinion adjustment (shim, other)   | None                                |   |          |          |  |
| Pinion bearing adj. (shim, other) | Shim                                |   |          |          |  |
| Wheel bearing type                | Sgl row cylindrical ball            |   |          |          |  |
| <b>Lubricant</b>                  | Capacity (pt.)                      | 3.5   |          |          |  |
|                                   | Type recommended                    | For conventional axles, Military Spec. MIL-L-2105-B |          |          |  |
|                                   | SAE viscosity number                | Summer  | SAE 80   |          |  |
|                                   |                                     | Winter  | SAE 80   |          |  |
| Extreme cold                      |                                     | SAE 80  |          |          |  |

## REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

|                     |           |      |      |    |
|---------------------|-----------|------|------|----|
| <b>Axle ratio</b>   | 3.08      | 3.70 | 3.36 |    |
| <b>No. of teeth</b> | Pinion    | 12   | 10   | 11 |
|                     | Ring gear | 37   | 37   | 37 |

(a) Station Wagons 3.36    (b) RPO L77 (250 HP) 3.36

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE **MODEL YEAR** 1965 **DATE ISSUED** 9-28-64 **REVISED** (a) 2-22-65

|   |                                       |  |
|---|---------------------------------------|--|
| 13000 - Std. L-6 &<br>MODEL V-8, Opt. L-6 | Sedans, Sport Coupes,<br>Convertibles | 2-Dr & 4-Dr Sta. Wagons,<br>El Camino Sedan Pickup |
|---|---------------------------------------|--|

### DRIVE UNITS—WHEELS

|                            |                     |                                |
|----------------------------|---------------------|--------------------------------|
| Type & material            |                     | Short spoke disc, steel        |
| Rim (size and flange type) | Std.                | 14 x 5J                        |
|                            | Opt.                |                                |
| Attachment                 | Type (bolt or stud) | Bolt                           |
|                            | Circle diameter     | 4.75                           |
|                            | Number and size     | 5 Hex nuts, 7/16 - 20 UNF - 2B |

### DRIVE UNITS—TIRES

Hyway, Tubeless, 2-Ply Blackwall except as noted.

|                               |                    |               |               |
|-------------------------------|--------------------|---------------|---------------|
| Standard (List option below)  | Size & ply         | 6.95 x 14-4PR | 7.35 x 14-4PR |
|                               | Type - Nylon, etc. | Rayon         |               |
| Rev/mile at 50 mph.           |                    | 814           | 805           |
| Inflation press.(cold)        | Front              | 24            | 24            |
|                               | Rear               | 24            | 28            |
| Optional tires - size and ply |                    | (a)           | (b)           |

### BRAKES—SERVICE

|  |          | Standard   | Metallic (Optional) |
|--|----------|--|---------------------|
| Type (duo-servo, disc, balanced, etc.)           |          | Duo-servo, 4-whl hydraulic   |                     |
| Self-adjusting (std., opt., N.A.)                |          | Reverse self-adjusting, Std.   |                     |
| Hydraulic system type (single, dual, etc.)       |          | Single   |                     |
| Power brake make & type (remote, integral, etc.) |          | Bendix, Delco-Moraine vacuum power unit assists master cylinder; integral. |                     |
| Effective area (sq. in.)*                        |          | 168.9  | 118.1               |
| Gross lining area (sq. in.)**                    |          | 168.9  | 118.1               |
| Swept drum area (sq. in.)***                     |          | 268.6  |                     |
| Percent brake effectiveness—front                |          | 59.4   |                     |
| Drum   | Diameter | 9.5  |                     |
|  | Front    | 9.5  |                     |
|  | Rear     | 9.5  |                     |
| Type and material                                |          | Composite: Cast iron rim; Steel web  |                     |
| Wheel cylinder bore                              | Front    | 1.12   |                     |
|  | Rear     | .9375  |                     |
| Master cylinder bore                             |          | 1.00   | .875                |
| Available pedal travel                           |          | 6.70   |                     |
| Line pressure at 100 lb. pedal load              |          | 783  | 1023                |
| Shoe clearance adjustment                        |          | Self-adjusting   |                     |

(Continued)

\* Excludes rivet holes, grooves, chamfers, etc.

\*\* Includes rivet holes, grooves, chamfers, etc.

\*\*\* Total swept areas for four brakes:

Widest lining contact width for each brake x its drum circumference.

(a): 7.35 x 14-4PR rayon B/W or W/W; 6.95 x 14-4PR rayon W/W.

(b): 7.35 x 14-4PR rayon W/W.

(a) and (b): 7.75 x 14-4PR (4 ply) nylon B/W or W/W; 7.75 x 14-4PR rayon B/W or W/W.

|             |                  |            |       |             |         |             |       |
|-------------|------------------|------------|-------|-------------|---------|-------------|-------|
| MAKE OF CAR | CHEVELLE         | MODEL YEAR | 1965  | DATE ISSUED | 9-28-64 | REVISED (e) | 2-22- |
| MODEL       | 13000 - Std. L-6 | 13100      | 13300 | 13500       | 13700   |             |       |
|             | & V-8, Opt. L-6  | 13200      | 13400 | 13600       | 13800   |             |       |

**BRAKES—SERVICE (cont.)**

|                   |                   |                                   | Standard        | Metallic (Optional) |                    |
|-------------------|-------------------|-----------------------------------|-----------------|---------------------|--------------------|
| Brake lining      | Bonded or riveted |                                   | Bonded          | Welded              |                    |
|                   | Front Shoe        | Material                          | Molded asbestos | Sintered iron       |                    |
|                   |                   | Size (length x width x thickness) | Front wheel     | 9.01 x 2.5 x .17    | 1.64 x 1.25 x .175 |
|                   |                   |                                   | Rear wheel      | 9.01 x 2.00 x .17   | 1.64 x 1.0 x .175  |
|                   |                   | Segments per shoe                 |                 | 1                   | 6                  |
|                   | Rear Shoe         | Material                          | Molded asbestos | Sintered iron       |                    |
|                   |                   | Size (length x width x thickness) | Front wheel     | 9.75 x 2.5 x .20    | 1.64 x 1.25 x .285 |
|                   |                   |                                   | Rear wheel      | 9.75 x 2.00 x .20   | 1.64 x 1.0 x .285  |
| Segments per shoe |                   | 1                                 | 10              |                     |                    |

**BRAKES—PARKING**

|                                 |  |       |
|---------------------------------|--|-------|
| Type of control                 | Pulley-cable linkage; foot pedal apply, handle release |       |
| Location of control             | Below instrument panel, left of steering column        |       |
| Operates on                     | Rear service brakes                                    |       |
| If separate from service brakes | Type (internal or external)                            | ----- |
|                                 | Drum diameter  | ----- |
|                                 | Lining size (length x width x thickness)               | ----- |

**FRAME or UNITIZED CONSTRUCTION**

Type and description All welded perimeter frame with front crossmember, rear suspension crossmember and rear crossmember.

**SUSPENSION—GENERAL** (See Supplemental page 19 for details on Air Suspension)\*

|                                    |  |                |
|------------------------------------|--|----------------|
| Provision for car leveling         | Front stabilizer bar   |                |
| Provision for brake dip control    | Mounting angle of front upper control arms   |                |
| Provision for acc. squat control   | Geometry of rear suspension  |                |
| Special provisions for car jacking | Bumper jack provided; apply just outboard of bumper bolt at wheel requiring jacking. |                |
| Shock absorber front & rear        | Type   | (a)            |
|                                    | Make   | Delco products |
|                                    | Piston dia.  | 1.00           |
| Other special features             |  |                |

**SUSPENSION—FRONT**

Type and description Independent - SLA type with coil spring and concentric shock absorber, and spherically jointed steering knuckle for each wheel.

\* Air Suspension:  
Air spring type  
Compressor data  
type  
make  
drive ratio

Normal operating pressures  
spring rates  
leveling data

(Continued)

(a) Direct, double-acting, hydraulic exc. air booster type on 13380, 480, 580 & 680.

|             |                                     |                |                |                |                |             |         |
|-------------|-------------------------------------|----------------|----------------|----------------|----------------|-------------|---------|
| MAKE OF CAR | CHEVELLE                            | MODEL YEAR     | 1965           | DATE ISSUED    | 9-28-64        | REVISED (e) | 2-22-65 |
| MODEL       | 13000 Std. L-6 and<br>V-8, Opt. L-6 | 13100<br>13200 | 13300<br>13400 | 13500<br>13600 | 13700<br>13800 |             |         |

**SUSPENSION FRONT (cont.)**

|            |   |                                    |                                    |
|------------|---|------------------------------------|------------------------------------|
| Spring     | Type  | Coil                               |                                    |
|            | Material  | Steel alloy                        |                                    |
|            | Size (coil design height & I.D.; bar length x dia.) | L-6:<br>12.59 & 3.63; 134.0 x .577 | V-8:<br>12.59 & 3.63; 148.4 x .612 |
|            | Spring rate (lb. per in.)                           | 225                                | 250                                |
|            | Rate at wheel (lb. per in.)                         | 84                                 | 91                                 |
|            | Design load (lb. @ design height)                   | 1380 @ 12.59                       | 1550 @ 12.59                       |
| Stabilizer | Type (link, linkless, frameless)                    | Link                               |                                    |
|            | Material & bar diameter                             | HR steel, .812                     |                                    |

**STEERING**

|  |                               |   |   |
|--|-------------------------------|---|---|
| Manual (std., opt., NA)                        |                               | Standard  |   |
| Power (std., opt., NA)                         |                               | Optional  |   |
| Adjustable steering wheel (tilt, swing, other) | Type and description          | Tilt: tilt achieved with universally-jointing steering shaft at base of steering wheel; 5 inch vertical travel range. |   |
|  | (std., opt., NA)              | Optional  |   |
| Wheel diameter                                 | Manual                        | 16.5  |   |
|  | Power                         | 16.5  |   |
| Turning diameter                               | Outside front                 | Wall to wall (l. & r.)  | 44.7                                    |
|  |                               | Curb to curb (l. & r.)  | 41.9                                    |
|  | Inside rear                   | Wall to wall (l. & r.)  |   |
|  |                               | Curb to curb (l. & r.)  | 26.6                                    |
| Outside wheel angle with inside wheel at 20°   |                               | 18.4°   |   |
| Manual   | Gear                          | Type  | Semi-reversible, recirculating ball nut |
|  |                               | Make  | Saginaw                                 |
|  |                               | Ratios  | 24:1<br>Overall 28:1                    |
|  | No. wheel turns               | 5.48 lock to lock   |   |
|  | Type (coaxial, linkage, etc.) | Coaxial   |   |
| Power  | Gear                          | Make  | Saginaw                                 |
|  |                               | Type  | Same as manual                          |
|  |                               | Ratios  | 17.5:1<br>Overall 20.4:1                |
|  | Pump driven by                | Crankshft pulley  |   |
|  | Number wheel turns            | 3.98 lock to lock   |   |
|  | Linkage                       | Type  | Parallelogram                           |
| Location (front or rear of wheels, other)      |                               | Front of wheels   |   |
| Drag link (trans. or longit.)                  |                               | None  |   |
| Tie rods (one or two)                          |                               | 2   |   |

(Continued)



# AMA Specifications – Passenger Car

|                                     |                        |                            |                            |       |
|-------------------------------------|------------------------|----------------------------|----------------------------|-------|
| <b>MAKE OF CAR</b> CHEVELLE         | <b>MODEL YEAR</b> 1965 | <b>DATE ISSUED</b> 9-28-64 | <b>REVISED (a)</b> 2-22-65 |       |
| <b>MODEL</b> 13000 - Std. L-6 & V-8 | 13100                  | 13300                      | 13500                      | 13700 |
| Optional - L-6                      | 13200                  | 13400                      | 13600                      | 13800 |

## STEERING (cont.)

|  |                               |               |  |
|--|-------------------------------|---------------|--|
| <b>Steering Axis</b>                         | Inclination at camber (deg.)  |               | 7-3/4 to 8-3/4   |
|  | <b>Bearings (type)</b>        | Upper         | Ball stud with non-metallic bearing surfaces                                     |
|  |                               | Lower         | Ball stud with non-metallic bearing surfaces                                     |
|  | Thrust                        | None          |  |
| <b>Wheel alignment (range and preferred)</b> | Caster (deg.)                 |               | SS & Sedan Pickup, N1 to 0 (curb); Exc. SS & Sedan Pickup, N1-1/2 to N1/2 (curb) |
|  | Camber (deg.)                 |               | 0 to P1 (curb)   |
|  | Toe-in (outside tread-inches) |               | 1/8 to 1/4 total (curb)  |
| <b>Steering spindle &amp; joint type</b>     |                               |               | Forging with pad for mounting brake cylinder, spherical                          |
| <b>Wheel spindle</b>                         | <b>Diameter</b>               | Inner bearing | 1.2493-1.2498  |
|  |                               | Outer bearing | .7492-.7497  |
|  | <b>Thread size</b>            |               | 3/4-20 NEF - 3 (modified)  |
|  | <b>Bearing type</b>           |               | Taper roller   |

## SUSPENSION—REAR

|  |  |                      |  |                 |
|--|--|----------------------|--|-----------------|
| <b>Type and description</b>                        |  |                      | (a)  |                 |
| <b>Drive and torq. taken through (see page 17)</b> |  |                      | Control arms   |                 |
| <b>Spring</b>                                      | <b>Type</b>  |                      | Coil   |                 |
|  | <b>Material</b>  |                      | Steel alloy  |                 |
|  | <b>Size (length x width, coil design height and I.D.; bar length &amp; dia.)</b> |                      | L-6: 9.74 & 5.50; 108.1 x .516      V-8: 9.74 & 5.50; 108.1 x .516 |                 |
|  | <b>Spring rate (lb. per in.)</b>   |                      | 100  |                 |
|  | <b>Rate at wheel (lb. per in.)</b>   |                      | 103  |                 |
|  | <b>Design load (lb. at design height)</b>  |                      | 560 @ 9.74      580 @ 9.74   |                 |
|  | <b>Mounting insulation type</b>  |                      | None   |                 |
|  | <b>If leaf</b>   | <b>No. of leaves</b> |  | ↑<br>N. A.<br>↓ |
|  |  | <b>Inserts</b>       | <b>Type and size</b>   |                 |
|  |  |                      | <b>Material</b>  |                 |
| <b>Shackle (comp. or tens.)</b>                    |  |                      |  |                 |
| <b>Stabilizer</b>                                  | <b>Type (link, linkless, frameless)</b>  |                      | None   |                 |
|  | <b>Material</b>  |                      | ----   |                 |
| <b>Track bar type</b>                              |  |                      | None   |                 |

(a) Link; two upper and two lower control arms supporting an integral rear beam consisting of cast iron differential carrier with pressed in tubular rear axle shaft housings.

# AMA Specifications - Passenger Car

|             |          |            |      |             |              |             |         |        |
|-------------|----------|------------|------|-------------|--------------|-------------|---------|--------|
| MAKE OF CAR | CHEVELLE | MODEL YEAR | 1965 | DATE ISSUED | 9-28-64      | REVISED (a) | 2-22-65 |        |
| MODEL       | 13000    | Sedans     |      | Coupes      | Convertibles | Wagons      |         | Sedan  |
|             |          | 2-Dr       | 4-Dr |             |              | 2-Dr        | 4-Dr    | Pickup |

## BODY—MISCELLANEOUS INFORMATION

|   |             |  |        |         |        |        |        |        |        |
|---|-------------|--|--------|---------|--------|--------|--------|--------|--------|
| Drs. hinged (front, rear)   | Front doors | Front  |        |         |        |        |        |        |        |
|   | Rear doors  | Front  |        |         |        |        |        |        |        |
| Type of finish (lacquer, enamel, other)                                 |             | Acrylic lacquer  |        |         |        |        |        |        |        |
| Hood counterbalanced (yes, no)  |             | Yes  |        |         |        |        |        |        |        |
| Hood release control (internal, external)                               |             | External   |        |         |        |        |        |        |        |
| Vehicle (Serial) No. Location   |             | Left front body hinge pillar   |        |         |        |        |        |        |        |
| Engine No. Location   |             | 6-cyl - on crankcase, RH side of engine, rear of distributor<br>8-cyl - on top front of RH bank of cylinder and case   |        |         |        |        |        |        |        |
| Theft protection - type   |             | Shielded ignition lock terminals key removable in "OFF" position.  |        |         |        |        |        |        |        |
| Vent window control method (crank, friction pivot)                      | Front       | Friction pivot   |        |         |        |        |        |        |        |
|   | Rear        | None   |        |         |        |        |        |        |        |
| Seat cushion type   | Front       | Formed wire and .75 foam rubber pad (132-13400 (a))  |        |         |        |        |        |        |        |
|   | Rear        | Formed wire & jute & cotton pad ( -132- 13400)(b)  |        |         |        |        |        |        |        |
|   | 3rd seat    | None   |        |         |        |        |        |        |        |
| Seat back type  | Front       | Formed wire & cotton   |        |         |        |        |        |        |        |
|   | Rear        | Formed wire & cotton   |        |         |        |        |        |        |        |
|   | 3rd seat    | None   |        |         |        |        |        |        |        |
| Windshield glass type (i.e., single curved - laminated plate)           |             | Curved, laminated  |        |         |        |        |        |        |        |
| Backlight glass type (i.e., round curved - tempered plate, three piece) |             | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 25%;">Curved</td> <td style="width: 25%;">Plastic</td> <td style="width: 25%;">Flat</td> <td style="width: 25%;">Curved</td> </tr> </table>  | Curved | Plastic | Flat   | Curved |        |        |        |
| Curved  | Plastic     | Flat   | Curved |         |        |        |        |        |        |
| Side glass type (i.e., curved - tempered plate)                         |             | Curved   |        |         |        |        |        |        |        |
| Side glass exposed surface area   |             | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 12.5%;">1406.9</td> <td style="width: 12.5%;">1356.2</td> <td style="width: 12.5%;">1395.6</td> <td style="width: 12.5%;">1281.4</td> <td style="width: 12.5%;">2529.6</td> <td style="width: 12.5%;">2560.6</td> <td style="width: 12.5%;">839.2</td> </tr> </table>  | 1406.9 | 1356.2  | 1395.6 | 1281.4 | 2529.6 | 2560.6 | 839.2  |
| 1406.9  | 1356.2      | 1395.6   | 1281.4 | 2529.6  | 2560.6 | 839.2  |        |        |        |
| Windshield glass exposed surface area                                   |             | 1107.1   |        |         |        |        |        |        |        |
| Backlight glass exposed surface area                                    |             | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 25%;">1032.3</td> <td style="width: 25%;">897.7</td> <td style="width: 25%;">786.2</td> <td style="width: 25%;">768.4</td> </tr> </table>  | 1032.3 | 897.7   | 786.2  | 768.4  |        |        |        |
| 1032.3  | 897.7       | 786.2  | 768.4  |         |        |        |        |        |        |
| Total glass exposed surface area  |             | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 12.5%;">3596.3</td> <td style="width: 12.5%;">3495.6</td> <td style="width: 12.5%;">3400.4</td> <td style="width: 12.5%;">3174.7</td> <td style="width: 12.5%;">3667.3</td> <td style="width: 12.5%;">4436.1</td> <td style="width: 12.5%;">2611.5</td> </tr> </table> | 3596.3 | 3495.6  | 3400.4 | 3174.7 | 3667.3 | 4436.1 | 2611.5 |
| 3596.3  | 3495.6      | 3400.4   | 3174.7 | 3667.3  | 4436.1 | 2611.5 |        |        |        |

## BODY—CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

|  |                       |   |
|--|-----------------------|---|
| Power windows                                      | Side Windows          | Optional  |
|  | Vent Windows          | N.A.  |
|  | Backlight or tailgate | Optional tailgate window on 2-st wagons               |
| Power seats (specify type as well as availability) |                       | 4-way elec. opt. (N.A. on bucket seats)               |
| Reclining front seat back                          |                       | N.A.  |
| Front seat headrest                                |                       | N.A.  |
| Radios (specify type as well as availability)      |                       | Manual, push button AM-FM push button optional        |
| Rear seat speaker                                  |                       | Optional  |
| Power Antenna                                      |                       | N.A.  |
| Clock  |                       | Std. on 135-136-137-13800; optional 131-132-133-13400 |
| Air Conditioner (specify type and availability)    |                       | Four Season, Custom, opt.                             |

13600 1.75 foam pad; 13800 1.50 foam pad.  
 (b) 136-13800 jute and 1.00 foam pad.

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE **MODEL YEAR** 1965 **DATE ISSUED** 9-28-64 **REVISED (a)** 2-22-65

## WEIGHTS

| Model   | CURB WEIGHT - POUNDS |       |       | % PASS. WEIGHT DISTRIBUTION |      |               |      | SHIPPING * WEIGHT |       |
|---|----------------------|-------|-------|-----------------------------|------|---------------|------|-------------------|-------|
|   | Front                | Rear  | Total | Pass. In Front              |      | Pass. In Rear |      | 6-cyl             | 8-cyl |
|   |                      |       |       | Front                       | Rear | Front         | Rear |                   |       |
|   |                      | 194   | 283   |                             |      |               |      | 194               | 283   |
|   |                      | 6-cyl | 8-cyl |                             |      |               |      | 6-cyl             | 8-cyl |
| <b>CHEVELLE 300</b>                                     |                      |       |       |                             |      |               |      |                   |       |
| 131-13211 2-dr sedan                                    |                      | 3015  | 3165  | 31                          | 69   |               |      | 2870              | 3010  |
| 131-13215 2-dr wagon                                    |                      | 3285  | 3435  | 31                          | 69   |               |      | 3140              | 3275  |
| 131-13269 4-dr sedan                                    |                      | 3045  | 3195  | 31                          | 69   |               |      | 2900              | 3035  |
| <b>CHEVELLE 300 Deluxe</b>                              |                      |       |       |                             |      |               |      |                   |       |
| 133-13411 2-dr sedan                                    |                      | 3015  | 3170  | 31                          | 69   |               |      | 2870              | 3010  |
| 133-13435 4-dr wagon                                    |                      | 3330  | 3480  | 31                          | 69   |               |      | 3185              | 3320  |
| 133-13469 4-dr sedan                                    |                      | 3055  | 3210  | 31                          | 69   |               |      | 2910              | 3050  |
| 133-13480 sedan pickup                                  |                      | 3070  | 3225  | 12                          | 88   |               |      | 2925              | 3065  |
| <b>MALIBU</b>   |                      |       |       |                             |      |               |      |                   |       |
| 135-13635 4-dr wagon                                    |                      | 3370  | 3515  | 31                          | 69   |               |      | 3225              | 3355  |
| 135-13637 2-dr coupe                                    |                      | 3075  | 3225  | 38                          | 62   |               |      | 2930              | 3065  |
| 135-13667 2-dr conv.                                    |                      | 3170  | 3320  | 38                          | 62   |               |      | 3025              | 3160  |
| 135-13669 4-dr sedan                                    |                      | 3090  | 3240  | 31                          | 69   |               |      | 2945              | 3080  |
| 135-13680 sedan pickup                                  |                      | 3080  | 3235  | 12                          | 88   |               |      | 2935              | 3075  |
| <b>MALIBU SUPER SPORT</b>                               |                      |       |       |                             |      |               |      |                   |       |
| 137-13837 2-dr coupe                                    |                      | 3125  | 3275  | 38                          | 62   |               |      | 2980              | 3115  |
| 137-13867 2-dr conv.                                    |                      | 3220  | 3370  | 38                          | 62   |               |      | 3075              | 3210  |
| <b>Accessories &amp; Equipment Differential Weights</b> |                      |       |       | <b>Remarks</b>              |      |               |      |                   |       |
|   |                      | 194   | 283   |                             |      |               |      |                   |       |
|   |                      | 6-cyl | 8-cyl |                             |      |               |      |                   |       |
| Air conditioning  |                      | +146  | +174  |                             |      |               |      |                   |       |
| Brakes, power   |                      | + 9   | + 9   |                             |      |               |      |                   |       |
| Heater, (delete)  |                      | + 21  | + 21  |                             |      |               |      |                   |       |
| Radio, manual   |                      | + 6   | + 6   |                             |      |               |      |                   |       |
| Radio, push button                                      |                      | + 9   | + 9   |                             |      |               |      |                   |       |
| Seat, 4-way power                                       |                      | + 20  | + 20  |                             |      |               |      |                   |       |
| Steering, power   |                      | + 28  | + 28  |                             |      |               |      |                   |       |
| Transmission, pwr glide                                 |                      | + 10  | + 14  |                             |      |               |      |                   |       |
| Transmission, 4-sp                                      |                      | -     | + 11  |                             |      |               |      |                   |       |
| Transmission, ovrdrive                                  |                      | + 26  | + 26  |                             |      |               |      |                   |       |
| Windows, power  |                      | + 21  | + 21  |                             |      |               |      |                   |       |

\* These are weights that are reported to states for licensing purposes.

## INDEX

| SUBJECT                            | PAGE NO.           | SUBJECT                              | PAGE NO.         |
|------------------------------------|--------------------|--------------------------------------|------------------|
| Automatic Transmission             | 1, 16              | Linings - Clutch, Brake              | 15, 19           |
| Axis, Steering                     | 21                 | Lubrication                          | 6, 7, 15, 16, 17 |
| Axle, Rear                         | 1, 17              | Luggage Capacity                     | 1a               |
| Battery                            | 10                 | Motor, Starting                      | 10               |
| Bearings, Engine                   | 4, 5, 6            | Muffler                              | 7                |
| Belts - Fan, Generator, Water Pump | 9                  | Overdrive                            | 16               |
| Body - General Information, types  | Title, 1, 22       | Piston Pins & Rings                  | 2, 4             |
| Exterior Dimensions                | 1                  | Pistons                              | 2                |
| Interior Dimensions                | 1a                 | Power Brakes                         | 18               |
| Brakes - Parking, Service, Power   | 18, 19             | Power Steering                       | 20               |
| Camber                             | 21                 | Power Teams                          | 3                |
| Camshaft                           | 5                  | Propeller Shaft, Universal Joints    | 16, 17           |
| Capacities                         |                    | Pumps - Oil, Fuel                    | 7, 8             |
| Cooling System                     | 9                  | Water                                | 9                |
| Fuel Tank                          | 8                  | Radiator, Hoses                      | 9                |
| Lubricants                         |                    | Ratios - Axle                        | 1, 3, 17         |
| Engine Crankcase                   | 7                  | Compression                          | 1, 2, 3          |
| Transmission and Overdrive         | 15, 16             | Steering                             | 20               |
| Rear Axle                          | 17                 | Transmission                         | 15, 16           |
| Carburetor                         | 3, 8               | Rear Axle                            | 1, 3, 17         |
| Caster                             | 21                 | Regulator - Generator                | 10               |
| Choke, Automatic                   | 8                  | Rims                                 | 18               |
| Circuit Breakers, Fuses            | 14                 | Rings, Piston                        | 4                |
| Clutch - Pedal Operated            | 15                 | Rods - Connecting                    | 4                |
| Coil, Ignition                     | 11                 | Shock Absorbers, Front & Rear        | 19               |
| Connecting Rods                    | 4                  | Spark Plugs                          | 11               |
| Cooling System                     | 9                  | Speedometer                          | 12               |
| Crankcase Ventilation              | 7                  | Springs - Front & Rear Suspension    | 20, 21           |
| Crankshaft                         | 5                  | Valve, Engine                        | 6                |
| Cylinders and Cylinder Head        | 2                  | Stabilizer (Sway Bar) - Front & Rear | 20, 21           |
| Distributor - Ignition             | 11                 | Starting Motor                       | 10               |
| Electrical System                  | 10, 11, 12, 13, 14 | Steering                             | 20, 21           |
| Engine                             |                    | Suppression - Ignition, Radio        | 11               |
| Bore, Stroke, Displacement, Type   | 1, 2               | Suspension - Front & Rear            | 19, 20, 21       |
| Compression Ratio                  | 1, 2               | Switches                             | 12               |
| Firing Order, Cylinder Numbering   | 2, 11              | Tailpipe                             | 7                |
| General Information, H.P. & Torque | 1, 2               | Thermostat, Cooling                  | 9                |
| Lubrication                        | 6, 7               | Timing, Engine & Valve               | 5, 6, 11         |
| Power Teams                        | 3                  | Tires                                | 1, 18            |
| Exhaust System                     | 7                  | Toe in                               | 21               |
| Equipment Availability             | 22                 | Torque Converter                     | 16               |
| Fan, Cooling                       | 9                  | Torque - Engine, Rated               | 1, 2, 3          |
| Filters - Engine Oil, Fuel System  | 7, 8               | Transmission - Types                 | 1, 3, 8, 15, 16  |
| Frame                              | 19                 | Automatic                            | 1, 3, 8, 15, 16  |
| Front Suspension                   | 19, 20             | Manual & Overdrive                   | 1, 3, 8, 15, 16  |
| Fuel, Fuel Pump, Fuel System       | 1, 2, 8            | Ratios                               | 15, 16           |
| Fuel Injection                     | 1, 8               | Tread                                | 1                |
| Fuses, Circuit Breakers            | 14                 | Trunk Luggage Capacity               | 1a               |
| Generator and Regulator            | 10                 | Turning Diameter                     | 20               |
| Glass                              | 22                 | Unitized Construction                | 19               |
| Height (Lamps)                     | 14                 | Universal Joints, Propeller Shaft    | 16, 17           |
| Headroom - Body                    | 1a                 | Valves - Intake & Exhaust            | 5, 6             |
| Heights - Overall                  | 1                  | Vibration Damper                     | 5                |
| Horns                              | 12                 | Voltage Regulator                    | 10               |
| Horsepower - Brake                 | 1, 2, 3            | Water Pump                           | 9                |
| Ignition System                    | 11                 | Weights - Shipping, Curb             | 23               |
| Inflation - Tires                  | 18                 | Wheel Alignment                      | 21               |
| Instruments                        | 7, 12              | Wheelbase                            | 1                |
| In (Steering Axis)                 | 21                 | Wheels & Tires                       | 18               |
| Lamp Bulbs                         | 13                 | Wheel Spindle                        | 21               |
| Lamp Height & Spacing              | 14                 | Widths - Car & Body                  | 1                |
| Legroom                            | 1a                 | Windshield                           | 22               |
| Lengths - Overall                  | 1                  | Windshield Wiper                     | 12               |
| Lifters, Valve                     | 5                  |                                      |                  |

# AMA Specifications – Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

|                 |  |            |   |                 |
|-----------------|--|------------|---|-----------------|
| MANUFACTURER    | Chevrolet Motor Division<br>General Motors Corporation               | CAR NAME   | CHEVELLE                                      |                 |
|                 |  |            | 132-134-136-13800<br>327 cu. in. 8-cyl (opt.) |                 |
| MAILING ADDRESS | Owner Relations Service<br>General Motors Plant - Detroit - Michigan | MODEL YEAR | 1965  | ISSUED: 9-28-64 |
|                 |  |            |   | REVISED (a)     |

**NOTES:**

- The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
- UNLESS OTHERWISE INDICATED:
  - Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - Nominal design dimensions are used throughout these specifications.

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| <b>BODY—TYPES AND STYLE NAMES—</b> | Optional 327 cu. in.<br>8-cylinder |
|------------------------------------|------------------------------------|
| <b>CHEVELLE 300</b>                |                                    |
| 2-Door Sedan, 6-Pass.              | 13211                              |
| 2-Door Station Wagon, 2-seat       | 13215                              |
| 4-Door Sedan, 6-Pass.              | 13269                              |
| <b>CHEVELLE 300 DELUXE</b>         |                                    |
| 2-Door Sedan, 6-Pass.              | 13411                              |
| 4-Door Station Wagon, 2-seat       | 13435                              |
| 4-Door Sedan, 6-Pass.              | 13469                              |
| 2-Door Sedan Pickup, 3-Pass.       | 13480                              |
| <b>MALIBU</b>                      |                                    |
| 4-Door Station Wagon, 2-seat       | 13635                              |
| 2-Door Sport Coupe, 5-Pass.        | 13637                              |
| 2-Door Convertible, 5-Pass.        | 13667                              |
| 4-Door Sedan, 6-Pass.              | 13669                              |
| 2-Door Sedan Pickup, 3-Pass.       | 13680                              |
| <b>MALIBU SUPER SPORT</b>          |                                    |
| 2-Door Sport Coupe, 4-Pass.        | 13837                              |
| 2-Door Convertible, 4-Pass.        | 13867                              |

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (•) \_\_\_\_\_

**GENERAL SPECIFICATIONS — DIMENSIONS**

(All dimensions in inches unless otherwise indicated)  
(Supplemental data available on request)

| MODEL | Ref. No. | SEDANS |      | SPORT COUPES |     | CONVERT. |     | WAGONS |        | SEDAN  |
|-------|----------|--------|------|--------------|-----|----------|-----|--------|--------|--------|
|       |          | 2-DR   | 4-DR | BN           | BKT | BN       | BKT | 2-seat | 3-seat | PICKUP |

**FRONT COMPARTMENT**

|                                  |     |      |      |      |      |      |      |      |      |  |
|----------------------------------|-----|------|------|------|------|------|------|------|------|--|
| Shoulder room                    | W3  | 58.8 |      |      |      |      |      |      |      |  |
| Max. eff. leg room - accelerator | L34 | 42.0 | 42.1 | 42.0 | 42.1 | 42.0 | 42.1 | 42.1 | 41.8 |  |
| Effective head room              | H61 | 38.6 | 37.8 | 37.9 | 38.7 | 38.6 | 38.2 | 38.5 | 38.5 |  |
| H Point to Heel point            | H30 | 8.1  | 7.7  |      |      |      | 8.1  | 7.9  |      |  |
| Upper body opening to ground     | H50 | 49.2 |      |      |      |      |      |      |      |  |

**REAR COMPARTMENT**

|                            |     |      |      |      |      |      |      |      |
|----------------------------|-----|------|------|------|------|------|------|------|
| Shoulder room              | W4  | 57.4 | 58.8 | 56.8 | 45.6 | 57.4 | 58.8 | -    |
| H Point couple distance    | L50 | 33.6 | 31.5 | 31.6 | 31.5 | 31.6 | 33.6 | -    |
| Minimum effective leg room | L51 | 35.9 | 36.3 | 33.3 | 33.2 | 33.3 | 33.2 | 35.9 |
| Effective head room        | H63 | 37.3 | 36.7 | 36.8 | 38.4 | -    | -    | -    |

**STATION WAGON—THIRD SEAT**

|                     |     |      |  |  |  |  |  |  |
|---------------------|-----|------|--|--|--|--|--|--|
| Shoulder room       | W85 | None |  |  |  |  |  |  |
| Effective leg room  | L86 | None |  |  |  |  |  |  |
| Effective head room | H86 | None |  |  |  |  |  |  |

**LUGGAGE COMPARTMENT**

|                                      |      |                              |      |      |              |               |
|--------------------------------------|------|------------------------------|------|------|--------------|---------------|
| Usable luggage capacity (See instr.) | V1   | 16.8                         | 16.7 | 16.5 | -            | -             |
| Liftover height                      | H195 | 20.6                         |      |      | 17.8         | -             |
| Position of spare tire storage       |      | Hor. right rr. trunk floor   |      |      | Rt. rr. qtr. | Bk. frt. seat |
| Method of holding lid open           |      | Torsion bars counterbalanced |      |      | -            | -             |

**STATION WAGON—CARGO SPACE**

|   |  |      |
|---|--|------|
| Minimum distance between wheel houses at floor level  | W201   | 42.4 |
| Rear end opening width at belt  | W204   | 53.0 |
| Floor length from back of front seat at floor level to inside of closed tail gate           | L202   | 92.1 |
| Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt | L204   | 80.8 |
| Maximum height - floor covering to headlining at centerline of rear axle                    | H201   | 31.3 |
| Maximum height of rear opening - tail and lift gates open                                   | H202   | 28.5 |
| Cargo volume index (cu.ft.)   | $\frac{W4 \times L204 \times H201}{1728}$ V2 | 86.0 |

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED(\*)

## GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

| MODEL  | 13200-400<br>13600-800     | Additional<br>Information<br>Page No.: | 327 Cu. In. V-8 Engines (Opt.)                      |                   |                   |
|--|----------------------------|--|---|-------------------|-------------------|
|  |                            |  | RPO L30<br>250 HP                                   | RPO L74<br>300 HP | RPO L79<br>350 HP |
| Wheelbase (L101)   | 23                         |  | 115.0   |                   |                   |
| Tread  | Front (W101)               | 22                                     | 58.0  |                   |                   |
|  | Rear (W102)                | 22                                     | 58.0  |                   |                   |
| Maximum<br>Overall<br>Dimensions                                 | Length (L103)              | 23                                     | 196.6, Wagons 201.4                                 |                   |                   |
|  | Width (W103)               | 22                                     | 74.6  |                   |                   |
|  | Height (H101)              | 24                                     | Sed. 53.2, Sp. Coupes 52.8, Wagons 55.1, Conv. 52.9 |                   |                   |
| Transmission<br>(Specify trade<br>name - opt.,<br>not available) | Manual                     | 15                                     | L30   | L74               | L79               |
|  |                            |  | 3-Speed Std., 4-Speed Opt.                          |                   |                   |
|  | Overdrive                  | 16                                     | NA  |                   |                   |
|  | Automatic                  | 16                                     | Optional  |                   | NA                |
| Axle ratio   | Manual                     | 17                                     | 3   | 3.31              |                   |
|  |                            | 17                                     | 4   | 3.31              |                   |
|  | Overdrive                  | 17                                     | NA  |                   |                   |
|  | Automatic                  | 17                                     | 3.07  | 3.31              | NA                |
| Tire size  | 18                         | 7.35 x 14                              |   |                   |                   |
| Engine   | Type, no. cyl., valve arr. | 2                                      | 90° OHV V-8   |                   |                   |
|  | Fuel system (Carb., other) | 8                                      | Carburetor  |                   |                   |
|  | Bore and stroke            | 2                                      | 4.001 x 3.250                                       |                   |                   |
|  | Piston displ., cu.in.      | 2                                      | 327   |                   |                   |
|  | Std. compression ratio     | 2                                      | 10.5:1  |                   | 11.0:1            |
|  | Max. bhp at engine rpm     | 2                                      | 250 @ 4400  | 300 @ 5000        | 350 @ 5800        |
|  | Max. torque at rpm         | 2                                      | 350 @ 2800  | 360 @ 3200        | 360 @ 3600        |

# AMA Specifications—Passenger Car

|                    |                 |                                    |             |                    |                |                |            |
|--------------------|-----------------|------------------------------------|-------------|--------------------|----------------|----------------|------------|
| <b>MAKE OF CAR</b> | <b>CHEVELLE</b> | <b>MODEL YEAR</b>                  | <b>1965</b> | <b>DATE ISSUED</b> | <b>9-28-64</b> | <b>REVISED</b> | <b>(*)</b> |
|                    | 13200-400       | 327 Cu. In. V-8 Engines (Optional) |             |                    |                |                |            |
| <b>MODEL</b>       | 13600-800       | RPO L30                            | RPO L74     | RPO L79            |                |                |            |
|                    |                 | 250 HP                             | 300 HP      | 350 HP             |                |                |            |

## ENGINE—GENERAL

|  |                 |                |            |
|--|-----------------|----------------|------------|
| Type, no. cyls., valve arr.            | 90° OHV V-8     |                |            |
| Bore and stroke (nominal)              | 4.001 x 3.250   |                |            |
| Piston displacement, c.u. in.          | 327             |                |            |
| Bore spacing (C/L to C/L)              | 4.40            |                |            |
| No. system<br>(front to rear)          | L. Bank         | 1-3-5-7        |            |
|  | R. Bank         | 2-4-6-8        |            |
| Firing order                           | 1-8-4-3-6-5-7-2 |                |            |
| Compr. ratio (nominal)                 | 10.5:1          | 11.0:1         |            |
| Cylinder Head Material                 | Cast alloy iron |                |            |
| Cylinder Block Material                | Cast alloy iron |                |            |
| Cylinder Sleeve—Wet, dry, none         | None            |                |            |
| Number of mounting points              | Front           | Two            |            |
|  | Rear            | One            |            |
| Engine installation angle              | 5° 11'          |                |            |
| Taxable horsepower                     | 51.2            |                |            |
| Published max. bhp*<br>@ eng. RPM      | 250 @ 4400      | 300 @ 5000     | 350 @ 5800 |
|  | 350 @ 2800      | 360 @ 3200     | 360 @ 3600 |
| Recommended fuel                       | Premium         |                |            |
| Idle speed (spec.<br>neutral or drive) | Manual          | 500 in neutral |            |
|  | Automatic       | 475 in drive   |            |

## ENGINE—PISTONS

|                          |                                     |                              |
|--------------------------|-------------------------------------|------------------------------|
| Material                 | Cast aluminum alloy                 | Alum. impact extruded        |
| Description and finish   | Flat head, notched<br>slipper skirt | Domed head;<br>slipper skirt |
| Weight (piston only) oz. | 21.60                               |                              |
| Clearance (limits)       | Top land                            | .0365-.0455                  |
|                          | Skirt                               | .0005-.0011(a)               |
|                          |                                     | .0039-.0045(b)               |
| Ring groove depth        | No. 1 ring                          | .2217-.2283                  |
|                          | No. 2 ring                          | .2217-.2283                  |
|                          | No. 3 ring                          | .2038-.2103                  |
|                          | No. 4 ring                          |                              |

\*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) Measured at 2.24 from top of piston

(b) Measured at 2.32 from top of piston



# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a)

## POWER TEAMS

(Indicate whether standard or optional)

| MODEL AVAILABILITY               | ENGINE            |                        |                 |                               |                    | TRANSMISSION                       | AXLE RATIO<br>(Std. first)         |
|----------------------------------|-------------------|------------------------|-----------------|-------------------------------|--------------------|------------------------------------|------------------------------------|
|                                  | Displ.<br>cu. in. | Carburetor             | Compr.<br>Ratio | BHP<br>@<br>RPM               | Torque<br>@<br>RPM |                                    |                                    |
| 13200<br>13400<br>13600<br>13800 | 327<br>*          | 4 Bbl                  | 10.5:1          | 250 <sup>†</sup><br>@<br>4400 | 350<br>@<br>2800   | 3-Speed<br>4-Speed*<br>Powerglide* | 3.07:1<br>3.07:1<br>2.73:1 (a)     |
|                                  |                   | Large<br>4 Bbl<br>Alum | 10.5:1          | 300<br>@<br>5200              | 360<br>@<br>3200   | 3-Speed<br>4-Speed*<br>Powerglide* | 3.31:1 (a)<br>3.31:1 (a)<br>3.07:1 |
|                                  |                   | Large<br>4 Bbl         | 11.0:1          | 350<br>@<br>5800              | 360<br>@<br>3600   | 3-Speed<br>4-Speed*                | 3.31:1<br>3.31:1                   |
| (a) 3.07:1 on El Camino models   |                   |                        |                 |                               |                    |                                    |                                    |
| * Optional                       |                   |                        |                 |                               |                    |                                    |                                    |

# AMA Specifications – Passenger Car

|             |           |            |                                       |         |
|-------------|-----------|------------|---------------------------------------|---------|
| MAKE OF CAR | CHEVELLE  | MODEL YEAR | 1965 DATE ISSUED 9-28-64 REVISION (6) |         |
|             | 13200-400 |            | 327 Cu. In. V-8 Engines (Optional)    |         |
| MODEL       | 13600-800 | RPO L30    | RPO L74                               | RPO L79 |
|             |           | 250 HP     | 300 HP                                | 350 HP  |

## ENGINE-RINGS

|                             |   |  |  |   |
|-----------------------------|---|--|--|---|
| Function<br>(top to bottom) | No. 1, oil or comp.                         | Compression  |  |   |
|                             | No. 2, oil or comp.                         | Compression  |  |   |
|                             | No. 3, oil or comp.                         | Oil  |  |   |
|                             | No. 4, oil or comp.                         | None   |  |   |
| Compression                 | Description - material, type, coating, etc. | Upper  | Cast alloy iron, inside bevel<br>Chrome plated                             | Cast alloy iron, inside bevel<br>Molybdenum coating |
|                             |   | Lower  | Two Piece; cast alloy iron ring<br>Wear resistant casting & steel expander | Cast alloy iron-Moly. coat                          |
|                             | Width                                       | Upper .0775-.0780; Lower .0770-.0775   |  |   |
|                             | Gap   | Upper .013-.023; Lower .013-.025    Upper & Lower .013-.025  |  |   |
| Oil                         | Description - material, type, coating, etc. | Multi-piece (2 rails and one spacer expander)<br>Rails - Steel, chrome plated OD<br>Expander - Stainless steel |  |   |
|                             | Width                                       | .1840-.1880 assembled  |  |   |
|                             | Gap   | .015-.055  |  |   |
| Expanders                   | In oil ring assembly                        |  |  |   |

## ENGINE-PISTON PINS

|                                     |  |                  |               |
|-------------------------------------|--|------------------|---------------|
| Material                            | Chromium steel                           |                  |               |
| Length                              | 2.990-3.010                              |                  |               |
| Diameter                            | .9270-.9273                              |                  |               |
| Type                                | Locked in rod, in piston, floating, etc. |                  | Locked in rod |
|                                     | Bushing                                  | In rod or piston | None          |
|                                     |  | Material         | --            |
| Clearance                           | In piston                                | .00015-.00025    | .00045-.00055 |
|                                     | In rod                                   | None             |               |
| Direction & amount offset in piston | Major thrust side .060                   |                  | On center     |

## ENGINE-CONNECTING RODS

|                           |                    |  |                  |
|---------------------------|--------------------|--|------------------|
| Material                  | Drop forged steel  |  |                  |
| Weight (oz.)              | 20.00              |  |                  |
| Length (center to center) | 5.699-5.701        |  |                  |
| Bearing                   | Material & Type    |  | Premium aluminum |
|                           | Overall length     |  | .807             |
|                           | Clearance (limits) |  | .0007-.0028      |
|                           | End play           |  | .009-.013        |

# AMA Specifications—Passenger Car

|                    |           |                   |                                    |                    |         |                    |
|--------------------|-----------|-------------------|------------------------------------|--------------------|---------|--------------------|
| <b>MAKE OF CAR</b> | CHEVELLE  | <b>MODEL YEAR</b> | 1965                               | <b>DATE ISSUED</b> | 9-28-64 | <b>REVISED</b> (*) |
|                    | 13200-400 |                   | 327 Cu. In. V-8 Engines (Optional) |                    |         |                    |
| <b>MODEL</b>       | 13600-800 | RPO L30<br>250 HP | RPO L74<br>300 HP                  | RPO L79<br>350 HP  |         |                    |

## ENGINE—CRANKSHAFT

|                                   |   |             |  |               |
|-----------------------------------|---|-------------|--|---------------|
| Material                          | Forged steel                            |             |  |               |
| Vibration damper type             | Rubber mounted inertia damper           |             |  |               |
| End thrust taken by bearing (No.) | Five                                    |             |  |               |
| Crankshaft end play               | .002-.006                               |             |  |               |
| Main bearing                      | Material & type                         |             | Premium aluminum except No. 5 upper steel backed babbitt |               |
|                                   | Clearance                               |             | #1 thru #4 - .0008-.0034; #5 - .0010-.0036               |               |
|                                   | Journal dia. and bearing overall length | No. 1       | 2.3013 x .752  | 2.3009 x .752 |
|                                   |   | No. 2       | 2.3009 x .752  |               |
|                                   |   | No. 3       | 2.3009 x .752  |               |
|                                   |   | No. 4       | 2.3009 x .752  |               |
|                                   |   | No. 5       | 2.3006 x 1.1824  |               |
|                                   |   | No. 6       | None   |               |
| No. 7                             |   | None        |  |               |
| Dir. & amt. cyl. offset           |   | None        |  |               |
| Crankpin journal diameter         |   | 1.999-2.000 |  |               |

## ENGINE—CAMSHAFT

|               |                                      |                                 |                 |  |
|---------------|--------------------------------------|---------------------------------|-----------------|--|
| Location      | In block above crankshaft            |                                 |                 |  |
| Material      | Cast alloy iron                      |                                 |                 |  |
| Bearings      | Material                             | Extra life steel backed babbitt |                 |  |
|               | Number                               | Five                            |                 |  |
| Type of Drive | Gear or chain                        |                                 | Chain           |  |
|               | Crankshaft gear or sprocket material |                                 | Steel sprocket  |  |
|               | Camshaft gear or sprocket material   |                                 | Cast alloy iron |  |
|               | Timing chain                         | No. of links                    | 40              |  |
|               |                                      | Width                           | .875            |  |
|               |                                      | Pitch                           | .500            |  |

## ENGINE—VALVE SYSTEM

|   |          |      |  |
|---|----------|------|--|
| Hydraulic lifters (Std, opt, NA)                  | Standard |      |  |
| Valve rotator, type (intake, exhaust)             | None     |      |  |
| Rocker ratio                                      | 1.5:1    |      |  |
| Operating tappet clearance (Indicate hot or cold) | Intake   | Zero |  |
|   | Exhaust  | Zero |  |
| Timing marks on flywheel, damper, other           | Damper   |      |  |

(Continued)

# AMA Specifications—Passenger Car

|                                    |  |                   |                   |
|------------------------------------|--|-------------------|-------------------|
| <b>MAKE OF CAR</b> <u>CHEVELLE</u> | <b>MODEL YEAR</b> <u>1965</u> <b>DATE ISSUED</b> <u>9-28-64</u> <b>REVISED</b> (*) |                   |                   |
| 13200-400                          | 327 Cu. In. V-8 Engines (Optional)   |                   |                   |
| 13600-800                          | RPO L30<br>250 HP  | RPO L74<br>300 HP | RPO L79<br>350 HP |

## ENGINE—VALVE SYSTEM (cont.)

|                                      |                                      |                             |                       |                                    |  |
|--------------------------------------|--------------------------------------|-----------------------------|-----------------------|------------------------------------|--|
| Timing                               | Intake                               | Opens (°BTC)                | 32° 30'               | 54°                                |  |
|                                      |                                      | Closes (°ABC)               | 87° 30'               | 108°                               |  |
|                                      |                                      | Duration - deg.             | 300°                  | 342°                               |  |
|                                      | Exhaust                              | Opens (°BBC)                | 74° 30'               | 102°                               |  |
|                                      |                                      | Closes (°ATC)               | 45° 30'               | 60°                                |  |
|                                      |                                      | Duration - deg.             | 300°                  | 342°                               |  |
| Valve opening overlap                |                                      | 78°                         | 104°                  |                                    |  |
| Intake                               | Material                             |                             | Alloy steel           |                                    |  |
|                                      | Overall length                       |                             | 4.870-4.889           |                                    |  |
|                                      | Actual overall head dia.             |                             | 1.935-1.945           | 2.017-2.023                        |  |
|                                      | Angle of seat & face                 |                             | 46° (seat) 45° (face) |                                    |  |
|                                      | Seat insert material                 |                             | None                  |                                    |  |
|                                      | Stem diameter                        |                             | .3404-.3417           |                                    |  |
|                                      | Stem to guide clearance              |                             | .0010-.0027           |                                    |  |
|                                      | Lift (@ zero lash)                   |                             | .3987                 | .4472                              |  |
|                                      | Outer spring<br>press. and<br>length | Valve closed<br>(lb. @ in.) | 78-86 @ 1.66          |                                    |  |
|                                      |                                      | Valve open<br>(lb. @ in.)   | 170-180 @ 1.26        |                                    |  |
|                                      | Inner spring<br>press. and<br>length | Valve closed<br>(lb. @ in.) | Spring damper         |                                    |  |
|                                      |                                      | Valve open<br>(lb. @ in.)   | Spring damper         |                                    |  |
|                                      | Exhaust                              | Material                    |                       | High alloy steel (aluminized face) |  |
|                                      |                                      | Overall length              |                       | 4.913-4.933                        |  |
| Actual overall head dia.             |                                      | 1.495-1.505                 | 1.595-1.605           |                                    |  |
| Angle of seat & face                 |                                      | 46° (seat) 45° (face)       |                       |                                    |  |
| Seat insert material                 |                                      | None                        |                       |                                    |  |
| Stem diameter                        |                                      | .3410-.3417                 |                       |                                    |  |
| Stem to guide clearance              |                                      | .0010-.0027                 |                       |                                    |  |
| Lift (@ zero lash)                   |                                      | .3987                       | .4472                 |                                    |  |
| Outer spring<br>press. and<br>length |                                      | Valve closed<br>(lb. @ in.) | 78-86 @ 1.66          |                                    |  |
|                                      |                                      | Valve open<br>(lb. @ in.)   | 170-180 @ 1.26        |                                    |  |
| Inner spring<br>press. and<br>length |                                      | Valve closed<br>(lb. @ in.) | Spring damper         |                                    |  |
|                                      |                                      | Valve open<br>(lb. @ in.)   | Spring damper         |                                    |  |

## ENGINE—LUBRICATION SYSTEM

|  |                      |                             |
|--|----------------------|-----------------------------|
| Type of<br>lubrication<br>(splash,<br>pressure,<br>nozzle) | Main bearings        | Pressure                    |
|  | Connecting rods      | Pressure                    |
|  | Piston pins          | Splash                      |
|  | Camshaft bearings    | Pressure                    |
|  | Tappets              | Pressure                    |
|  | Timing gear or chain | Nozzle                      |
|  | Cylinder walls       | Pressure, jet cross sprayed |

(Continued)

# AMA Specifications – Passenger Car

|                                    |                                    |   |                   |
|------------------------------------|------------------------------------|---|-------------------|
| <b>MAKE OF CAR</b> <u>CHEVELLE</u> | <b>MODEL YEAR</b> <u>1965</u>      | <b>DATE ISSUED</b> <u>9-28-64</u> <b>REVISED</b> <sup>(*)</sup> |                   |
| <u>13200-400</u>                   | 327 Cu. In. V-8 Engines (Optional) |   |                   |
| <b>MODEL</b>                       | RPO L30<br>250 HP                  | RPO L74<br>300 HP   | RPO L79<br>350 HP |

## ENGINE—LUBRICATION SYSTEM (cont.)

|   |   |  |
|---|---|--|
| Oil pump type   | Gear  |  |
| Normal oil pressure (lb. @ engine rpm)                      | 30-45 PSI @ 1500  |  |
| Oil pressure sending unit (elect. or mech.)                 | Electric  |  |
| Type oil intake (floating, stationary)                      | Stationary  |  |
| Oil filter system (full flow, partial, other)               | Full flow   |  |
| Filter replacement (element, complete)                      | Element   |  |
| Capacity of crankcase, less filter-refill (qt.)             | 4   |  |
| Oil grade recommended (SAE viscosity and temperature range) | 32° F and Above ----- SAE20W, SAE20, or SAE10W-30<br>0° F and Above ----- SAE10W or SAE10W-30<br>Below 0° F ----- SAE5W or SAE5W-20 |  |
| Engine Service Requirement (MM, MS, etc.)                   | MS or DG  |  |

## ENGINE—EXHAUST SYSTEM

|  |                           |                                   |
|--|---------------------------|-----------------------------------|
| Type (single, single with cross-over, dual, other)                   | Single with crossover     | Dual                              |
| Muffler No. & type (reverse flow, straight thru, separate resonator) | One with resonator        | Two; reverse flow with resonators |
| Exhaust pipe dia. (O.D. & wall thickness)                            | Branch<br>2.0 x .034-.104 | 2.50 x .073-.091 laminated        |
|  | Main                      | 2.00 x .062-.076                  |
| Tail pipe diameter (O.D. & wall thickness)                           | 2.00 x .062-.076          |                                   |

## ENGINE—CRANKCASE VENTILATION SYSTEM

|  |  |                                |
|--|--|--------------------------------|
| Type (ventilates to atmos., induction system, other) | Standard   | Ventilates to induction system |
|  | Optional   |                                |
| Control unit   | Make and model   |                                |
|  | Location   | At carburetor base             |
|  | Energy source (manifold vacuum, carburetor air stream, other)                | Manifold vacuum                |
|  | Control method (variable orifice, fixed orifice, other)                      | Variable orifice               |
| Complete system                                      | Discharges (to intake manifold, carb. air intake, air cleaner intake, other) | Intake manifold                |
|  | Air inlet (breather cap, carburetor air cleaner, other)                      | Breather cap                   |
|  | Flame arrestor (screen, check valve, other)                                  | Screen                         |

\* - SAE5W-30 can be used as an alternate for 5W; 5W-20 or 10W-30.

# AMA Specifications— Passenger Car

|             |           |            |                                    |             |         |             |
|-------------|-----------|------------|------------------------------------|-------------|---------|-------------|
| MAKE OF CAR | CHEVELLE  | MODEL YEAR | 1965                               | DATE ISSUED | 9-28-64 | REVISED (*) |
|             | 13200-400 |            | 327 Cu. In. V-8 Engines (Optional) |             |         |             |
| MODEL       | 13600-800 | RPO L30    | RPO L74                            | RPO L79     |         |             |
|             |           | 250 HP     | 300 HP                             | 350 HP      |         |             |

## ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

|   |   |   |
|---|---|---|
| Induction type: Carburetor, fuel injection, supercharger. |   | Carburetor  |
| Fuel Tank   | Capacity (gals.)                                | 20  |
|   | Filler location                                 | Behind hinged rear license plate (A)                      |
| Fuel Pump   | Type (elec. or mech.)                           | Mechanical  |
|   | Locations                                       | Lower right front of engine                               |
|   | Pressure range                                  | 5.25-6.50 PSI      6.00-7.50 PSI                          |
| Vacuum booster (std., optional, none)                     |   | None  |
| Fuel Filter   | Type  | Fine mesh plastic strainer in gas tank                    |
|   | Locations                                       | Sintered bronze filter in carburetor inlet on RPO L30 (B) |
| Carburetor  | Choke type                                      | Automatic   |
|   | Intake manifold heat control (exhaust or water) | Exhaust   |
|   | Air clnr. type                                  | Oil-wetted paper element                                  |
|   | Standard  |   |
|   | Optional  |   |

## CARBURETOR SUPPLEMENTARY INFORMATION

| Model Usage                      | Engine Displ. | Transmission       | Carburetors            |                    | No. Used and Type           | Barrel Size              |
|----------------------------------|---------------|--------------------|------------------------|--------------------|-----------------------------|--------------------------|
|                                  |               |                    | Make                   | Model              |                             |                          |
| 13200<br>13400<br>13600<br>13800 | 327<br>250 hp | 3-Speed            | Rochester<br>Rochester | 7025127<br>7025126 | One;<br>4 Bbl<br>Down-draft | 1.44 (P)<br>1.44 (S)     |
|                                  |               | 4-Speed Powerglide |                        |                    |                             |                          |
|                                  | 327<br>300 hp | 4-Speed            | Carter<br>Carter       | 3851761<br>3851762 | One;<br>4 Bbl<br>Down-draft | 1.5625 (P)<br>1.6875 (S) |
|                                  |               | Powerglide         |                        |                    |                             |                          |
|                                  | 327           | 4-Speed            | Holley                 | 386 3150           | One;<br>4 Bbl<br>Down-draft | 1.5625 (P)<br>1.5625 (S) |

(A) - Left rear quarter on Station Wagon and Sedan Pickup models.  
 (B) - Glass bowl with paper element (RPO L74)  
 In-line, paper element (RPO L79)

# AMA Specifications – Passenger Car

|                    |           |                                    |                   |
|--------------------|-----------|------------------------------------|-------------------|
| <b>MAKE OF CAR</b> | CHEVELLE  | <b>MODEL YEAR</b>                  | 1965              |
|                    |           | <b>DATE ISSUED</b>                 | 9-28-64           |
|                    |           | <b>REVISI<sup>(o)</sup></b>        |                   |
|                    | 13200-400 | 327 Cu. In. V-8 Engines (Optional) |                   |
| <b>MODEL</b>       | 13600-800 | RPO L30<br>250 HP                  | RPO L74<br>300 HP |
|                    |           |                                    | RPO L79<br>350 HP |

## ENGINE—COOLING SYSTEM

|   |                              |                                    |                                     |             |  |
|---|------------------------------|------------------------------------|-------------------------------------|-------------|--|
| Type system (pressure, pressure vented, atmospheric, other) |                              | Pressure                           |                                     |             |  |
| Radiator cap relief valve pressure                          |                              | 13 + 1 PSI                         |                                     |             |  |
| Circulation thermostat                                      | Type (choke, bypass)         | Choke                              |                                     |             |  |
|   | Starts to open at (°F)       | 177° - 183° F                      |                                     |             |  |
| Water pump  | Type (centrifugal, other)    | Centrifugal                        |                                     |             |  |
|   | GPM @ 1000 pump rpm          | 57 @ 4400                          |                                     |             |  |
|   | Number of pumps              | One                                |                                     |             |  |
|   | Drive (V-belt, other)        | V-Belt                             |                                     |             |  |
| Bearing type  |                              | Double row ball                    |                                     |             |  |
| By-pass recirculation type (internal, external)             |                              | Internal                           | External                            |             |  |
| Radiator core type (cellular, tube and fin, other)          |                              | Tube on center                     |                                     |             |  |
| Cooling system capacity                                     | With heater (qt.)            | 16                                 | 18                                  |             |  |
|   | Without heater (qt.)         | 15                                 | 17                                  |             |  |
|   | Opt. equipment-specify (qt.) | 18                                 | 18                                  |             |  |
| Water jackets full length of cylinder (yes, no)             |                              | Yes                                |                                     |             |  |
| Water all around cylinder (yes, no)                         |                              | Yes                                |                                     |             |  |
| Radiator hose   | Lower                        | Number and type (molded, straight) | One, molded                         |             |  |
|   |                              | Inside diameter                    | 1.75                                |             |  |
|   | Upper                        | Number and type (molded, straight) | One, molded                         |             |  |
|   |                              | Inside diameter                    | 1.50                                |             |  |
|   | By-pass                      | Number and type (molded, straight) | None                                | One, molded |  |
|   |                              | Inside diameter                    | None                                | .725-.765   |  |
| Fan   | Number of blades & Spacing   |                                    | 5. Staggered                        |             |  |
|   | Diameter                     |                                    | 18.00                               |             |  |
|   | Ratio-fan to crankshaft rev. |                                    | 949:1                               |             |  |
|   | Fan cutout type              |                                    | Thermo-modulated - viscous coupling |             |  |
|   | Bearing type                 |                                    | Double row ball                     |             |  |
| *Drive belts<br>(indicate belt used by letter)              | Fan                          |                                    | A                                   |             |  |
|   | Generator                    |                                    | A                                   |             |  |
|   | Water Pump                   |                                    | A                                   |             |  |
|   | Power Steering               |                                    | B                                   |             |  |
|   | Air Conditioning             |                                    | C                                   | NA          |  |

| * Drive Belt Dimensions | A         | B     | C     |
|-------------------------|-----------|-------|-------|
| Angle of V              | 38° - 42° |       |       |
| Nominal length (SAE)    | 53.50     | 41.50 | 53.25 |
| Width                   | .380      |       |       |

\* With Heater

# AMA Specifications – Passenger Car

|                    |           |                                    |         |
|--------------------|-----------|------------------------------------|---------|
| <b>MAKE OF CAR</b> | CHEVELLE  | <b>MODEL YEAR</b>                  | 1965    |
|                    |           | <b>DATE ISSUED</b>                 | 9-28-64 |
|                    |           | <b>REVISED</b>                     | (*)     |
|                    |           | 327 Cu. In. V-8 Engines (Optional) |         |
| <b>MODEL</b>       | 13200-400 | RPO L30                            | RPO L74 |
|                    | 13600-800 | 250 HP                             | 300 HP  |
|                    |           |                                    | RPO L79 |
|                    |           |                                    | 350 HP  |

## ELECTRICAL—SUPPLY SYSTEM

|                  |                               |                                 |                 |  |
|------------------|-------------------------------|---------------------------------|-----------------|--|
| <b>Battery</b>   | Make and Model                | Delco 1980558                   |                 |  |
|                  | Voltage Rtg. & Total Plates   | 12 Volt - 66 Plate              |                 |  |
|                  | SAE Designation & Amp Hr. Rtg | 61 Amp/Hr @ 20 Hr Rate          |                 |  |
|                  | Location                      | Right front engine compartment  |                 |  |
|                  | Terminal grounded             | Negative                        |                 |  |
| <b>Generator</b> | Make                          | Delco-Remy                      |                 |  |
|                  | Model                         | #1100693                        |                 |  |
|                  | Type                          | Diode rectified                 |                 |  |
|                  | Ratio—Gen. to Cr/s rev.       | 2.46:1                          |                 |  |
|                  | Gen. cut-in (hot)—engine rpm  | Idle                            |                 |  |
| <b>Regulator</b> | Make                          | Delco-Remy                      |                 |  |
|                  | Model                         | #1119515                        |                 |  |
|                  | Type                          | Vibrator                        |                 |  |
|                  | Cutout relay                  | Closing voltage @ generator rpm | None            |  |
|                  |                               | Reverse current to open         |                 |  |
|                  | Regulated                     | Voltage                         | 13.8-14 @ 85° F |  |
|                  |                               | Current                         |                 |  |
|                  | Voltage test conditions       | Temperature                     | Operating       |  |
| Load             |                               | 3-8 Amperes                     |                 |  |
| Other            |                               | None                            |                 |  |

## ELECTRICAL—STARTING SYSTEM

|                       |                           |  |         |  |
|-----------------------|---------------------------|--|---------|--|
| <b>Starting motor</b> | Make                      | Delco-Remy   |         |  |
|                       | Model                     | 1107247  | 1107320 |  |
|                       | Rotation (drive end view) | Clockwise  |         |  |
|                       | Engine cranking speed     |  |         |  |
|                       | Test conditions           | Engine at operating temperatures   |         |  |
|                       | Lock test                 | Amps   |         |  |
|                       |                           | Volts  |         |  |
|                       |                           | Torque (lb. ft.)   |         |  |
|                       | No load test              | Amps   | 65-100  |  |
|                       |                           | Volts  | 10.6    |  |
| RPM (min.)            |                           | 3600-5100  |         |  |
| <b>Motor control</b>  | Switch (solenoid, manual) | Solenoid   |         |  |
|                       | Starting procedure        | <p>SYNCHROMESH - Place gearshift in neutral and depress clutch to floor. POWERGLIDE - Place control lever in N or P position. INITIAL START - Press accelerator pedal to floor once to set the automatic choke, then release. Turn ignition to START - release as soon as engine starts.</p> |         |  |

(Continued)



# AMA Specifications – Passenger Car

|                    |           |                                    |         |
|--------------------|-----------|------------------------------------|---------|
| <b>MAKE OF CAR</b> | CHEVELLE  | <b>MODEL YEAR</b>                  | 1965    |
|                    |           | <b>DATE ISSUED</b>                 | 9-28-64 |
|                    |           | <b>REVISED (*)</b>                 |         |
| <b>MODEL</b>       | 13200-400 | 327 Cu. In. V-8 Engines (Optional) |         |
|                    | 13600-800 | RPO L30                            | RPO L74 |
|                    |           | 250 HP                             | 300 HP  |
|                    |           |                                    | RPO L79 |
|                    |           |                                    | 350 HP  |

## ELECTRICAL—STARTING SYSTEM (cont.)

|                    |                             |                         |     |
|--------------------|-----------------------------|-------------------------|-----|
| <b>Motor Drive</b> | Engagement type             | Positive shift solenoid |     |
|                    | Pinion meshes (front, rear) | Rear                    |     |
|                    | Number of teeth             | Pinion                  | 9   |
|                    |                             | Flywheel                | 153 |
|                    | Flywheel tooth face width   | .4010-.4130             |     |

## ELECTRICAL—IGNITION SYSTEM

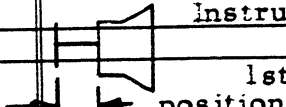
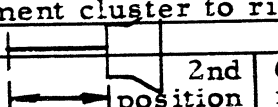
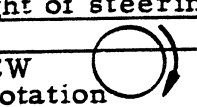
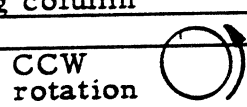
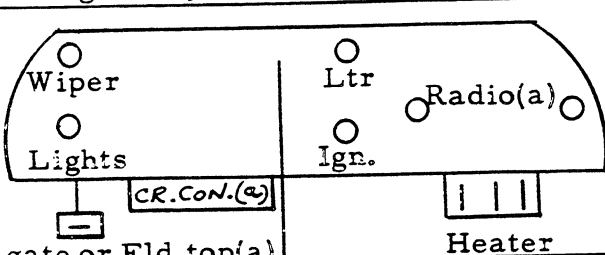
|                    |   |  |           |           |
|--------------------|---|--|-----------|-----------|
| <b>Coil</b>        | Make  | Delco-Remy   |           |           |
|                    | Model   | #1115204   | #1115202  |           |
|                    | Amps  | Engine stopped   | 4.0       |           |
| Engine idling      |   | 1.8  |           |           |
| <b>Distributor</b> | Make  | Delco-Remy   |           |           |
|                    | Model   | #1111075   | #1111071  |           |
|                    | Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal) | Start (rpm)  | 750       |           |
|                    |   | Intermediate points deg. @ rpm                             |           |           |
|                    |   | Max deg. @ rpm   | 26 @ 4100 | 30 @ 5100 |
|                    | Vacuum adv. in crankshaft in. Hg. (nominal)                 | Start (in Hg)  | 6.00      |           |
|                    |   | Intermediate points, deg @ in Hg                           |           |           |
|                    |   | Max. deg. in. Hg.  | 22 @ 12   | 7 @ 17.5  |
|                    |   | Breaker gap (in.)  | .019      |           |
|                    |   | Cam angle (deg.)   | 28° - 32° |           |
|                    | Breaker arm tension (oz.)                                   | 19-23  |           |           |
| <b>Timing</b>      | Crankshaft deg. @ rpm.                                      |  |           |           |
|                    | Mark location   | Vibration damper   |           |           |
|                    | Cylinder numbering system (see page 2)                      | Left bank 1-3-5-7<br>Right bank 2-4-6-8                    |           |           |
|                    | Firing order (see page 2)                                   | 1-8-4-3-6-5-7-2  |           |           |
| <b>Spark Plug</b>  | Make and model  | AC44   |           |           |
|                    | Thread (mm)   | 14   |           |           |
|                    | Tightening torque (lb. ft.)                                 | 25   |           |           |
|                    | Gap   | .033-.038  |           |           |
| <b>Cable</b>       | Conductor type  | Linen core impregnated with electrical conducting material |           |           |
|                    | Insulation type   | Rubber with neoprene jacket                                |           |           |
|                    | Spark plug protector  | Hypalon jacket   |           |           |

## ELECTRICAL—SUPPRESSION

|                             |   |
|-----------------------------|---|
| <b>Locations &amp; type</b> | Non-metallic high tension ignition cables |
|-----------------------------|---|

|                     |               |            |       |             |         |             |  |
|---------------------|---------------|------------|-------|-------------|---------|-------------|--|
| MAKE OF CAR         | CHEVELLE      | MODEL YEAR | 1965  | DATE ISSUED | 9-28-64 | REVISED (•) |  |
| Opt. Hi-Performance |               |            |       |             |         |             |  |
| 13000 Engines       | 13200         | 13400      | 13600 | 13800       |         |             |  |
| MODEL               | L30, L74, L79 |            |       |             |         |             |  |

**ELECTRICAL—INSTRUMENTS AND SWITCHES**

|                             |   |   |   |
|-----------------------------|---|---|---|
| Speed-ometer                | Make  | AC  |   |
|                             | Trip odometer (yes, no)                             | No  |   |
| Charge indicator—type       |   | Tell-Tale   | Gage  |
| Temperature indicator—type  |   | Tell-Tale   | Gage  |
| Oil pressure indicator—type |   | Tell-Tale   | Gage  |
| Fuel indicator—type         |   | Electric gage   |   |
| Other                       |   | Cigarette lighter, clock (a), tachometer (a)  |   |
| Ignition switch             | Identify positions in order and circuits controlled | ACCESSORY OFF ON START ACCESSORIES - access. (ignition off).<br>OFF - off, locked<br>ON - ignition, batt., accessories.<br>START - starter motor, spring return to ON.  |   |
|                             | Provision for illumination                          | Instrument lamps  |   |
|                             | Location  | Instrument cluster to right of steering column  |   |
| Main lighting switch        | Identify positions and lamps controlled             |  <p>1st position<br/>Instru. panel lamps, parking, tail and license lamps.</p>   |  <p>2nd position<br/>Instru. panel lamps, parking, tail and license lamps.</p>                                      |
|                             |   |  <p>CW rotation<br/>Instru. panel lamps dim to off.</p>  |  <p>CCW rotation<br/>Instru. panel lamps off to bright; full CCW rotation, dome lamp and/or courtesy lamps on.</p> |
| Other light switches        | Locations and lamps controlled                      | Toe panel - hdlp. dimmer.<br>Glove compt. - glove compt, lamp (a).<br>Frt. door hinge pillars - dome &/or courtesy lamps(a).<br>St. column - direct, signal indicators & lamps.<br>Brake pedal pendant - stop lamps.<br>Parking brake lever - parking brake alarm(a).<br>Steering mast jacket-back up lamps except 4-spd & 13800 w/PG(a). |   |
| Other switches              | Locations and devices controlled                    |  <p>Wiper<br/>Lights<br/>Ltr<br/>Ign.<br/>Radio(a)<br/>Heater</p>   | Left side of frt. seat lower panel - pwr. seats (a).<br>Door & qtr. trim panels - power windows (a).  |
| Windshield wiper            | Make  | Delco   |   |
|                             | Type  | Electric: single-speed except two-speed for 13800 (a)   |   |
|                             | Vacuum booster provision                            | None  |   |
|                             | Washer provision                                    | With two-speed wiper (a)  |   |
| Horn                        | Type  | Vibrator  |   |
|                             | Number used   | Two(a)  |   |
|                             | Amp draw (each)                                     | 8.0-11.0 @ 12.5V  |   |

(a) OPTIONAL EQUIPMENT: clock 13200 & 400; tach. except std. with 13800 with 4-speed glove compt. lamp 13200 & 400; courtesy lamps except std, convertible(door jam switch included with 13200 & 400); parking brake alarm; W/S washer for single-spd; two-speed wiper (including washer) except std. 13800; tailgate window control; folding top; radio; power seats; power windows; low note horn; back up lamps 13200 & 400; cruise contro Powerglide; 4-speed.

# AMA Specifications – Passenger Car

|                                |          |                        |                            |                    |
|--------------------------------|----------|------------------------|----------------------------|--------------------|
| <b>MAKE OF CAR</b>             | CHEVELLE | <b>MODEL YEAR</b> 1965 | <b>DATE ISSUED</b> 9-28-64 | <b>REVISED</b> (*) |
| Opt. Hi-Perf.<br>13000 Engines | 13200    | 13400                  | 13600                      | 13800              |
| <b>MODEL</b> L30,74,79         |          |                        |                            |                    |

## ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.

|                         |           |  |  |             |                           |
|-------------------------|-----------|--|--|-------------|---------------------------|
| Headlamps & arrangement |           | Dual, horizontal; outer, 2-4002; inner, 2-4001 |  |             |                           |
| Headlamp beam indicator |           |  |  | 1-1895      |                           |
| Parking                 |           |  |  | 2-1157      |                           |
| Tail                    |           |  |  | 2-1157      |                           |
| Stop                    |           |  |  | 2-1157      |                           |
| Direction signal        | Front     |  |  | 2-1157      |                           |
|                         | Rear      |  |  | 2-1157      |                           |
|                         | Indicator |  |  | 2-1445      |                           |
| License Plate           |           |  |  | 2-1155      |                           |
| Oil pressure indicator  |           | 1-1895   |  | Gage        |                           |
| Charge indicator        |           | 1-1895   |  | Gage        |                           |
| Instrument              |           | 4-1895   |  | 6-1895      |                           |
| Clock                   |           | Instrument lamps (a)                           |  | Opt.        | Instrument lamps (a) Std. |
| Radio                   |           |  |  | 1-1893 Opt. |                           |

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

|                             |                         |      |                        |             |                  |      |
|-----------------------------|-------------------------|------|------------------------|-------------|------------------|------|
| Ignition lock               | Instrument lamps        |      |                        |             | Std.             |      |
| Back up                     | 2-1156                  | Opt. | 2-1156                 |             |                  | Std. |
| Dome                        |                         |      | 1-211                  |             | Std.             |      |
| Glove compartment           | 1-1895                  | Opt. | 1-1895                 |             | Std.             |      |
| Prkg. brake signal          |                         |      | 1-257                  |             |                  |      |
| Luggage compartment         |                         |      | 1-1003                 |             | Opt. (NA wagons) |      |
| Underhood                   |                         |      | 1-93                   |             | Opt.             |      |
| Courtesy                    | Instrument panel, 2-631 |      | Opt. except std. conv. |             | 2-631(b) Std.    |      |
| Ash tray                    |                         |      | 1-53                   |             |                  |      |
| Temp. indicator             | 1-1895                  |      | Std.                   | Gage Std.   |                  |      |
| Heater controls             |                         |      | 1-1895                 |             |                  |      |
| Auto. trans. dial indicator | 1-1445                  |      | Opt.                   | 1-1895 Opt. |                  |      |
| Traffic hazard indicator    | 1-1445                  |      |                        |             |                  | Opt. |

(a) With tach. option, clock illuminated with 1-1895.

(b) Std. seat separator courtesy, 1-211, with 4-speed or automatic.

## OTHER BULBS

|                  |  |        |      |
|------------------|--|--------|------|
| <u>Spot lamp</u> |  |        |      |
| Portable         |  | 1-4416 | Opt. |
| Inside operated  |  | 1-4405 | Opt. |

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a)

Hi-Performance  
13000 Engines  
MODEL L30,74,79

## ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (a).

|                           |                  |                   |                          |
|---------------------------|------------------|-------------------|--------------------------|
| Headlamp                  | 15 C. B. (a)     | Ash tray lamp     | (c)                      |
| Headlamp beam indicator   | (a)              | Traffic haz. ind. | (b)                      |
| Parking lamp              | (a)              | Heater            | AGC 10 (g)               |
| Tail lamp                 | AGC 15 (b)       | Air conditioning  | Two AGC 30, one in "(g)" |
| Stop lamp                 | (b)              | Defogging unit    | (g)                      |
| Direction indicator       | AGC 3 (c)        | Spot lamp         | (b)                      |
| License plate lamp        | (b)              | Courtesy lamp     | (b)                      |
| Instrument lamp           | (c)              | Fuel gage         | (d)                      |
| Ignition lamp             | ----             | Folding top motor | 40 C. B.                 |
| Back up lamp              | AGC 10 (d)       | Power seats       | 40 C. B.                 |
| Dome lamp                 | (b)              | Power windows     | 40 C. B.                 |
| Clock                     | (b)              | Tailgate motor    | 40 C. B.                 |
| Clock lamp                | (c)              |                   |                          |
| Radio                     | AGC 2.5 (e)      |                   |                          |
| Glove compartment lamp    | (b)              |                   |                          |
| Cig. lighter              | (b)              |                   |                          |
| W/S wiper (single-speed)  | SAE 20 (f)       |                   |                          |
| W/S wiper (two-speed)     | "(f)" & 14 C. B. |                   |                          |
| Parking brake alarm       | (d)              |                   |                          |
| Charge, temp., & oil ind. | (d)              |                   |                          |
| Tachometer                | (d)              |                   |                          |
| Heater controls lamp      | (c)              |                   |                          |
| Auto. trans. dial ind.    | (c)              |                   |                          |
| Underhood lamp            | SAE 4            |                   |                          |
| Lugg. compt. lamp         | (b)              |                   |                          |

## ELECTRICAL—LOCATION OF OUTSIDE LAMPS

|  |               |         |                    |                    |
|--|---------------|---------|--------------------|--------------------|
| Height above ground to center of bulb      | Tail          | Lowest  | 24.9 (27.4 wagons) |                    |
|  |               | Highest | 24.9 (27.4 wagons) |                    |
|  | Stop          |         | 24.9 (27.4 wagons) |                    |
|  | Backup        |         | 15.9 (24.2 wagons) |                    |
|  | License, rear |         | 16.4 (18.1 wagons) |                    |
|  | Directional   | Front   |                    | 16.4 (17.0 wagons) |
|  |               | Rear    |                    | 24.9 (27.4 wagons) |
|  | Headlamp      | Inside  |                    | 26.4 (27.0 wagons) |
| Outside*                                   |               |         | 26.4 (27.0 wagons) |                    |
| Distance from C/L of car to center of bulb | Tail          | Inside  | 29.1 (32.4 wagons) |                    |
|  |               | Outside | 29.1 (32.4 wagons) |                    |
|  | Stop          |         | 29.1 (32.4 wagons) |                    |
|  | Backup        |         | 29.1 (32.4 wagons) |                    |
|  | License, rear |         | 7.1                |                    |
|  | Directional   | Front   |                    | 26.3               |
|  |               | Rear    |                    | 29.1 (32.6 wagons) |
|  | Headlamp      | Inside  |                    | 21.7               |
| Outside*                                   |               |         | 26.3               |                    |

\* If single headlamps are used enter here.

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE      **MODEL YEAR** 1965      **DATE ISSUED** 9-28-64 **REVISED** <sup>(\*)</sup>  
 Opt. Hi-Performance      L30      L74      L79  
 13000 Engines, L30,  
**MODEL** L74, L79      3-Spd, Std., 4-Spd. Opt.

## DRIVE UNITS—CLUTCH (Manual Transmission)

|                                |   |                                    |            |
|--------------------------------|---|------------------------------------|------------|
| Make & type                    | Chevrolet, single dry disc, centrifugal |                                    |            |
| Type pressure plate springs    | Diaphragm, bent finger design           |                                    |            |
| Effective plate pressure (lb.) | 2100-2300                               |                                    |            |
| No. of clutch driven discs     | One                                     |                                    |            |
| Clutch facing                  | Material                                | Woven type asbestos                |            |
|                                | Outside & inside dia.                   | 10.4 & 6.5                         | 10.0 & 6.5 |
|                                | Total eff. area (sq.in.)                | 103.5                              | 90.7       |
|                                | Thickness                               | .135 ea.                           |            |
|                                | Engagement cushioning method            | Flat spring steel between facings  |            |
| Release bearing                | Type & method of lubrication            | Single row ball, packed and sealed |            |
| Torsional damping              | Methods: springs, friction material     | Coil springs                       |            |

## DRIVE UNITS—TRANSMISSIONS

|                                      |                            |    |
|--------------------------------------|----------------------------|----|
| Manual (std. or opt.)                | 3-Speed Std., 4-Speed Opt. |    |
| Manual with overdrive (std. or opt.) | NA                         |    |
| Automatic (std. or opt.)             | Optional                   | NA |

## DRIVE UNITS—MANUAL TRANSMISSION

|                                    |                          | 3-Speed                             | 4-Speed           |  |
|------------------------------------|--------------------------|-------------------------------------|-------------------|--|
| Transmission ratios                | Number of forward speeds | 2.58                                | 2.56              |  |
|                                    | In first                 | 1.48                                | 1.91              |  |
|                                    | In second                | 1.00                                | 1.48              |  |
|                                    | In third                 | ---                                 | 1.00              |  |
|                                    | In fourth                | 2.58                                | 2.64              |  |
| Synchronous meshing, specify gears |                          | 2nd & 3rd                           | All forward gears |  |
| Shift lever location               |                          | Steering column                     | Floor             |  |
| Lubricant                          | Capacity (pt.)           | 2.0                                 |                   |  |
|                                    | Type recommended         | Meeting Military Spec. MIL-L-2105-B |                   |  |
|                                    | SAE viscosity number     | Summer                              | SAE 80            |  |
|                                    |                          | Winter                              | SAE 80            |  |
|                                    |                          | Extreme cold                        | SAE 80            |  |

# AMA Specifications – Passenger Car

|  |                        |                            |                    |
|--|------------------------|----------------------------|--------------------|
| <b>MAKE OF CAR</b> CHEVELLE                        | <b>MODEL YEAR</b> 1965 | <b>DATE ISSUED</b> 9-28-64 | <b>REVISED</b> (a) |
| Opt. Hi-Performance<br>13000 Engines L30, L74, L79 | L30                    | L74                        | L79                |
| <b>MODEL</b>                                       |                        |                            |                    |

## DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE - NA

For transmission data see manual transmission section

|                     |   |        |  |
|---------------------|---|--------|--|
| Overdrive           | Type (planetary or other)               |        |  |
|                     | Manual lockout (yes, no)                |        |  |
|                     | Downshift accelerator control (yes, no) |        |  |
|                     | Minimum cut-in speed                    |        |  |
|                     | Gear ratio                              |        |  |
| Lu-<br>bri-<br>cant | Capacity (pt.) (Overdrive only)         |        |  |
|                     | Separate filler (yes, no)               |        |  |
|                     | Type recommended                        |        |  |
|                     | SAE vis-<br>cosity<br>number            | Summer |  |
|                     |   | Winter |  |
| Ext. cold           |   |        |  |

## DRIVE UNITS—AUTOMATIC TRANSMISSION

|   |  |    |            |
|---|--|----|------------|
| Trade name  | Powerglide                                     | NA |            |
| Type describe   | Torque converter with planetary gears          |    |            |
| Method of Selection<br>(Lever, Push Button or other)                                    | Lever (steering column except floor 13800)     |    |            |
| Selector Pattern  | P-R-N-D-L                                      |    |            |
| List gear ratios Selector Pattern and indicate which are used in each selector position | DRIVE - 1.76 and 1.0<br>LOW and REVERSE - 1.76 |    |            |
| Max. upshift speeds—drive range   | 58   | 65 |            |
| Max. kickdown speeds—drive range  | 59   | 61 |            |
| Torque<br>converter   | Number of elements                             |    | 3          |
|   | Max. ratio at stall                            |    | 2.10       |
|   | Type of cooling (air, water)                   |    | Water      |
| Lubricant   | Capacity—refill (pt.)                          |    | 3          |
|   | Type recommended                               |    | A suffix A |
| Special transmission features   |  |    |            |

## DRIVE UNITS—PROPELLER SHAFT

|   |                        |         |                      |
|---|------------------------|---------|----------------------|
| Number used   | One                    |         |                      |
| Type (exposed, torque tube)                           | Exposed, unsupported   |         |                      |
| Outer<br>diameter x<br>length* x<br>wall<br>thickness | Manual transmission    | 3-Speed | 3.25 x 60.137 x .065 |
|   |                        | 4-Speed | Same as 3-speed      |
|   | Overdrive transmission |         | NA                   |
|   | Automatic transmission |         | Same as 3-speed      |

\*Center to center of universal joints, or to centerline of rear attachment.

(Continued)

# AMA Specifications – Passenger Car

|  |                            |                            |                    |
|--|----------------------------|----------------------------|--------------------|
| <b>MAKE OF CAR</b> CHEVELLE                      | <b>MODEL YEAR</b> 1965     | <b>DATE ISSUED</b> 9-28-64 | <b>REVISED (e)</b> |
| 13000 Opt. Hi-Perform-<br>ance Engines L30, L74, | L30                        | L74                        | L79                |
| <b>MODEL</b> L79                                 | 3-Speed Std., 4-Speed Opt. |                            |                    |

## DRIVE UNITS—PROPELLER SHAFT (cont.)

|  |  |                                |
|--|--|--------------------------------|
| Inter-<br>mediate<br>bearing                           | Type (plain,<br>anti-friction)           | None                           |
|  | Lubrication (fitting,<br>prepack)        | ---                            |
| Universal<br>joints                                    | Make                                     | Chevrolet                      |
|  | Number used                              | 2                              |
|  | Type (ball and trunton,<br>cross, other) | Cross                          |
|  | Bearing                                  | Type (plain,<br>anti-friction) |
| Lubric. (fitting,<br>prepack)                          |  | Prepack                        |
| Drive taken through (torque tube<br>or arms, springs)  |  | Control arms                   |
| Torque taken through (torque tube<br>or arms, springs) |  | Control arms                   |

## DRIVE UNITS—REAR AXLE

|                                   |  |              |   |      |
|-----------------------------------|--|--------------|---|------|
| Description (see instructions)    | Std. - semi-floating, overhung pinion gear |              |   |      |
| Limited Slip differential, type   | Std. with dual disc clutches               |              |   |      |
| Drive Pinion Offset               | 1.5  |              |   |      |
| No. of differential pinions       | 2  |              |   |      |
| Gear ratios<br>(Std. equip.)      | Manual transmission                        | 3            | 3.07  | 3.31 |
|                                   |  | 4            | 3.07  | 3.31 |
|                                   | Overdrive transmission                     |              | NA  |      |
|                                   | Automatic transmission                     |              | 3.07  | 3.31 |
| Ring gear O.D. (std. ratio)       | 8.875                                      |              |   |      |
| Pinion adjustment (shim, other)   | None                                       |              |   |      |
| Pinion bearing adj. (shim, other) | Shim                                       |              |   |      |
| Wheel bearing type                | Single row cylindrical roller              |              |   |      |
| Lubricant                         | Capacity (pt.)                             |              | 4.0   |      |
|                                   | Type recommended                           |              | For standard axles, meeting Military Spec. MIL-L-2105-B |      |
|                                   | SAE vis-<br>cosity<br>number               | Summer       | SAE 80  |      |
|                                   |  | Winter       | SAE 80  |      |
|                                   |  | Extreme cold | SAE 80  |      |

## REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

|              |           |      |      |  |
|--------------|-----------|------|------|--|
| Axle ratio   |           | 3.07 | 3.31 |  |
| No. of teeth | Pinion    | 14   | 13   |  |
|              | Ring gear | 43   | 43   |  |

# AMA Specifications – Passenger Car

|   |                                       |   |                    |
|---|---------------------------------------|---|--------------------|
| <b>MAKE OF CAR</b> CHEVELLE                       | <b>MODEL YEAR</b> 1965                | <b>DATE ISSUED</b> 9-28-64                            | <b>REVISED</b> (*) |
| 13000<br>Opt. Hi-Performance<br>Engines L30,74,79 | Sedans, Sport Coupes,<br>Convertibles | 2-Door & 4-Door Sta. Wgns.,<br>El Camino Sedan Pickup |                    |

### DRIVE UNITS—WHEELS

|                            |                     |                            |  |
|----------------------------|---------------------|----------------------------|--|
| Type & material            |                     | Short spoke disc, steel    |  |
| Rim (size and flange type) | Std.                | 14 x 5J                    |  |
|                            | Opt.                |                            |  |
| Attachment                 | Type (bolt or stud) | Bolt                       |  |
|                            | Circle diameter     | 4.75                       |  |
|                            | Number and size     | 5 hex nuts, 7/16-20 UNF-2B |  |

### DRIVE UNITS—TIRES Highway, tubeless, 2 ply, blackwall unless indicated otherwise

|                               |  |               |  |
|-------------------------------|--|---------------|--|
| Standard (List option below)  | Size & ply   | 7.35 x 14-4PR |  |
|                               | Type - Nylon, etc.   | Rayon         |  |
| Rev/mile at 50 mph.           |  | 805           |  |
| Inflation press.(cold)        | Front  | 24            |  |
|                               | Rear   | 28            |  |
| Optional tires - size and ply | 7.35 x 14-4PR, rayon, w/w; 7.75 x 14-4PR, rayon;<br>7.75 x 14-4PR, rayon, w/w; (*) 7.75 x 14-4PR, nylon;<br>(*) 7.75 x 14-4PR, nylon, w/w; |               |  |

### BRAKES—SERVICE

|  |          | Standard  | Metallic (optional) |
|--|----------|---|---------------------|
| Type (duo-servo, disc, balanced, etc.)           |          | Duo-Servo, 4-wheel hydraulic  |                     |
| Self adjusting (std., opt., N.A.)                |          | Reverse self-adjusting, std.  |                     |
| Hydraulic system type (single, dual, etc.)       |          | Single  |                     |
| Power brake make & type (remote, integral, etc.) |          | Bendix, Delco-Moraine vacuum power unit assists master cylinder; integral |                     |
| Effective area (sq. in.)*                        |          | 168.9   | 118.1               |
| Gross lining area (sq. in.)**                    |          | 168.9   | 118.1               |
| Swept drum area (sq. in.)***                     |          | 268.6   |                     |
| Percent brake effectiveness—front                |          | 59.4  |                     |
| Drum   | Diameter | 9.5   |                     |
|  | Front    | 9.5   |                     |
|  | Rear     | 9.5   |                     |
| Type and material                                |          | Composite; cast iron rim; steel web                                       |                     |
| Wheel cylinder bore                              | Front    | 1.12  |                     |
|  | Rear     | .9375   |                     |
| Master cylinder bore                             |          | 1.00  | .875                |
| Available pedal travel                           |          | 6.70  |                     |
| Line pressure at 100 lb. pedal load              |          | 783   | 1023                |
| Shoe clearance adjustment                        |          | Self-adjusting  |                     |

(Continued)

\* Excludes rivet holes, grooves, chamfers, etc.

\*\* Includes rivet holes, grooves, chamfers, etc.

\*\*\* Total swept areas for four brakes:  
Widest lining contact width for each brake x its drum circumference.

(\*) - 4 ply construction.



# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (0)  
 13000 Opt. Hi-Performance Engines L30,  
 MODEL L74, L79

| BRAKES—SERVICE (cont.) |                   |                                   |                  | Standard          | Metallic (optional) |
|------------------------|-------------------|-----------------------------------|------------------|-------------------|---------------------|
| Bonded or riveted      |                   |                                   |                  | Bonded            | Welded              |
| Brake lining           | Front Shoe        | Material                          |                  | Molded asbestos   | Sintered iron       |
|                        |                   | Size (length x width x thickness) | Front wheel      | 9.01 x 2.5 x .17  | 1.64 x 1.25 x .175  |
|                        |                   |                                   | Rear wheel       | 9.01 x 2.0 x .17  | 1.64 x 1.0 x .175   |
|                        | Segments per shoe |                                   | 1                | 6                 |                     |
|                        | Rear Shoe         | Material                          |                  | Molded asbestos   | Sintered iron       |
|                        |                   | Size (length x width x thickness) | Front wheel      | 9.75 x 2.5 x .20  | 1.64 x 1.25 x .285  |
| Rear wheel             |                   |                                   | 9.75 x 2.0 x .20 | 1.64 x 1.0 x .285 |                     |
| Segments per shoe      |                   | 1                                 | 10               |                   |                     |

## BRAKES—PARKING

|                                 |  |
|---------------------------------|--|
| Type of control                 | Pulley-cable linkage; foot pedal apply, handle release |
| Location of control             | Below instrument panel left of steering column         |
| Operates on                     | Rear service brakes                                    |
| If separate from service brakes | Type (internal or external) ---                        |
|                                 | Drum diameter ---                                      |
|                                 | Lining size (length x width x thickness) ---           |

## FRAME or UNITIZED CONSTRUCTION

Type and description All welded perimeter frame with front crossmember, rear suspension crossmember and rear crossmember.

## SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)\*

|                                    |   |
|------------------------------------|---|
| Provision for car leveling         | Front stabilizer bar  |
| Provision for brake dip control    | Mounting angle of front upper control arms  |
| Provision for acc. squat control   | Geometry of rear suspension   |
| Special provisions for car jacking | Bumper jack provided; apply just outboard of bumper bolt at wheel requiring jacking |
| Shock absorber front & rear        | (a)   |
|                                    | Make Deico products   |
|                                    | Piston dia. 1.00  |
| Other special features             |   |

## SUSPENSION—FRONT

|                      |   |
|----------------------|---|
| Type and description | Independent - SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel. |
|----------------------|---|

(Continued)

\* Air Suspension:  
 Air spring type  
 Compressor data  
   type  
   make  
   drive ratio  
     Normal operating pressures  
     spring rates  
     leveling data

(a) Direct, double-acting, hydraulic except air booster type on 13480 & 680.

# AMA Specifications – Passenger Cars

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (\*)  
13000 Opt. Hi-Performance Engines L30, L74, L79  
 MODEL \_\_\_\_\_

## SUSPENSION FRONT (cont.)

|            |   |  |                            |
|------------|---|--|----------------------------|
| Spring     | Type  |  | Coil                       |
|            | Material  |  | Steel alloy                |
|            | Size (coil design height & I.D.; bar length x dia.) |  | 12.59 & 3.63, 148.4 x .612 |
|            | Spring rate (lb. per in.)                           |  | 250                        |
|            | Rate at wheel (lb. per in.)                         |  | 91                         |
|            | Design load (lb. @ design height)                   |  | 1580 @ 12.59               |
| Stabilizer | Type (link, linkless, frameless)                    |  | Link                       |
|            | Material & bar diameter                             |  | HR steel .812              |

## STEERING

|  |                               |                        |      |  |                  |
|--|-------------------------------|------------------------|------|--|------------------|
| Manual (std., opt., NA)                        |                               |                        |      | Standard   |                  |
| Power (std., opt., NA)                         |                               |                        |      | Optional   |                  |
| Adjustable steering wheel (tilt, swing, other) | Type and description          |                        |      | Tilt: tilt achieved with universally-jointing steering shaft at base of steering wheel; 5" vertical travel range |                  |
|  | (std., opt., NA)              |                        |      | Optional   |                  |
| Wheel diameter                                 | Manual                        |                        |      | 16.5   |                  |
|  | Power                         |                        |      | 16.5   |                  |
| Turning diameter                               | Outside front                 | Wall to wall (l. & r.) |      | 44.7   |                  |
|  |                               | Curb to curb (l. & r.) |      | 41.9   |                  |
|  | Inside rear                   | Wall to wall (l. & r.) |      |  | 26.6             |
|  |                               | Curb to curb (l. & r.) |      |  | 26.6             |
| Outside wheel angle with inside wheel at 20°   |                               |                        |      | 18.41°   |                  |
| Manual   | Gear                          | Type                   |      | Semi-reversible, recirculating ball nut  |                  |
|  |                               | Make                   |      | Saginaw  |                  |
|  |                               | Ratios                 | Gear | Overall  | 24:1<br>28:1     |
|  | No. wheel turns               |                        |      | 5.48 lock to lock  |                  |
|  | Type (coaxial, linkage, etc.) |                        |      | Coaxial  |                  |
| Power  | Gear                          | Make                   |      | Saginaw  |                  |
|  |                               | Type                   |      | Same as manual   |                  |
|  |                               | Ratios                 | Gear | Overall  | 17.5:1<br>20.4:1 |
|  | Pump driven by                |                        |      | Crankshaft pulley  |                  |
|  | Number wheel turns            |                        |      | 3.98 lock to lock  |                  |
|  | Linkage                       | Type                   |      |  | Parallelogram    |
| Location (front or rear of wheels, other)      |                               |                        |      | Front of wheels  |                  |
| Drag link (trans. or longit.)                  |                               |                        |      | None   |                  |
| Tie rods (one or two)                          |                               |                        |      | 2  |                  |

(Continued)

# AMA Specifications – Passenger Car

**MAKE OF CAR** CHEVELLE      **MODEL YEAR** 1965      **DATE ISSUED** 9-28-64      **REVISED** (\*)  
 13000 Opt. Hi-Performance  
 Engines L30, L74, L79  
**MODEL** \_\_\_\_\_

## STEERING (cont.)

|                                       |                               |               |   |
|---------------------------------------|-------------------------------|---------------|---|
| Steering Axis                         | Inclination at camber (deg.)  |               | 7-3/4 to 8-3/4  |
|                                       | Bearings (type)               | Upper         | Ball stud with non-metallic bearing surfaces  |
|                                       |                               | Lower         | Ball stud with non-metallic bearing surfaces  |
|                                       |                               | Thrust        | None  |
| Wheel alignment (range and preferred) | Caster (deg.)                 |               | Except SS and sedan pickup: N1-1/2 to N-1/2 (curb).<br>SS and sedan pickup: N1 to 0 (curb). |
|                                       | Camber (deg.)                 |               | 0 to P1 (curb).   |
|                                       | Toe-in (outside tread-inches) |               | 1/8 to 1/2 total (curb)   |
| Steering spindle & joint type         |                               |               | Forging with pad for mounting brake cylinder, spherical                                     |
| Wheel spindle                         | Diameter                      | Inner bearing | 1.2493-1.2498   |
|                                       |                               | Outer bearing | .7492-.7497   |
|                                       | Thread size                   |               | 3/4-20 NEF-3 (modified)   |
|                                       | Bearing type                  |               | Taper roller  |

## SUSPENSION—REAR

|   |   |               |  |              |
|---|---|---------------|--|--------------|
| Type and description                        |   |               | 4-link: 2 upper and 2 lower control arms |              |
| Drive and torq. taken through (see page 17) |   |               | Control arms                             |              |
| Spring                                      | Type  |               | Coil                                     |              |
|   | Material  |               | Steel alloy                              |              |
|   | Size (length x width, coil design height and I.D.; bar length & dia.) |               | 9.74 & 5.50; 120.6 x .536                |              |
|   | Spring rate (lb. per in.)   |               | 100                                      |              |
|   | Rate at wheel (lb. per in.)   |               | 103                                      |              |
|   | Design load (lb. at design height)                                    |               | 600 @ 9.74                               |              |
|   | Mounting insulation type  |               | None                                     |              |
|   | If leaf   | No. of leaves |  | ↑<br>NA<br>↓ |
|   |   | Inserts       | Type and size                            |              |
|   |   |               | Material                                 |              |
| Shackle (comp. or tens.)                    |   |               |  |              |
| Stabilizer                                  | Type (link, linkless, frameless)                                      |               | None                                     |              |
|   | Material  |               | None                                     |              |
| Track bar type                              |   |               | None                                     |              |

**MAKE OF CAR** CHEVELLE     **MODEL YEAR** 1965     **DATE ISSUED** 9-28-64     **REVISED** <sup>(\*)</sup>

|                           |        |        |                   |        |      |                 |
|---------------------------|--------|--------|-------------------|--------|------|-----------------|
| <b>MODEL</b> <u>13000</u> | Sedans | Coupes | Convert-<br>ibles | Wagons |      | Sedan<br>Pickup |
|                           | 2-Dr   |        |                   | 4-Dr   | 2-Dr |                 |

### BODY—MISCELLANEOUS INFORMATION

|  |             |  |         |        |        |        |        |        |
|--|-------------|--|---------|--------|--------|--------|--------|--------|
| Drs. hinged (front, rear)  | Front doors | Front  |         |        |        |        |        |        |
|  | Rear doors  | Front  |         |        |        |        |        |        |
| Type of finish (lacquer, enamel, other)                                    |             | Acrylic lacquer  |         |        |        |        |        |        |
| Hood counterbalanced (yes, no)   |             | Yes  |         |        |        |        |        |        |
| Hood release control (internal, external)                                  |             | External   |         |        |        |        |        |        |
| Vehicle (Serial) No. Location  |             | Left front body hinge pillar   |         |        |        |        |        |        |
| Engine No. Location  |             | 6-cyl - on crankcase, RH side of engine, rear of distributor   |         |        |        |        |        |        |
| Theft protection - type  |             | 8-cyl - on top front of RH bank of cylinder and case<br>Shielded ignition lock terminals key removable in "OFF" position |         |        |        |        |        |        |
| Vent window control method (crank, friction pivot)                         | Front       | Friction pivot   |         |        |        |        |        |        |
|  | Rear        | None   |         |        |        |        |        |        |
| Seat cushion type  | Front       | Formed wire and .75 foam rubber pad (132-13400) (a)  |         |        |        |        |        |        |
|  | Rear        | Formed wire and jute and cotton pad (131-132-133-13400) (b)  |         |        |        |        |        |        |
|  | 3rd seat    | None   |         |        |        |        |        |        |
| Seat back type   | Front       | Formed wire and cotton   |         |        |        |        |        |        |
|  | Rear        | Formed wire and cotton   |         |        |        |        |        |        |
|  | 3rd seat    | None   |         |        |        |        |        |        |
| Windshield glass type (i.e., single curved - laminated plate)              |             | Curved, laminated  |         |        |        |        |        |        |
| Backlight glass type (i.e., compound curved - tempered plate, three piece) |             | Curved   | Plastic | Flat   | Curved |        |        |        |
| Side glass type (i.e., curved - tempered plate)                            |             | Curved   |         |        |        |        |        |        |
| Side glass exposed surface area  |             | 1406.9   | 1356.2  | 1395.6 | 1281.4 | 2529.6 | 2560.6 | 839.2  |
| Windshield glass exposed surface area                                      |             | 1107.1   |         |        |        |        |        |        |
| Backlight glass exposed surface area                                       |             | 1032.3   | 897.7   | 786.2  | 768.4  | 665.2  |        |        |
| Total glass exposed surface area   |             | 3596.3   | 3495.6  | 3400.4 | 3174.7 | 3667.3 | 4436.1 | 2611.5 |

### BODY—CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

|  |                       |  |  |  |  |  |  |
|--|-----------------------|--|--|--|--|--|--|
| Power windows                                      | Side Windows          | Optional                                       |  |  |  |  |  |
|  | Vent Windows          | NA   |  |  |  |  |  |
|  | Backlight or tailgate | Optional tailgate window on 2-seat wagons      |  |  |  |  |  |
| Power seats (specify type as well as availability) |                       | 4-way electric optional (NA on bucket seats)   |  |  |  |  |  |
| Reclining front seat back                          |                       | NA   |  |  |  |  |  |
| Front seat headrest                                |                       | NA   |  |  |  |  |  |
| Radios (specify type as well as availability)      |                       | Manual, push button AM-FM push button optional |  |  |  |  |  |
| Rear seat speaker                                  |                       | Optional                                       |  |  |  |  |  |
| Power Antenna                                      |                       | NA   |  |  |  |  |  |
| Clock  |                       | Std. 136-13800; Optional 132-13400             |  |  |  |  |  |
| Air Conditioner (specify type and availability)    |                       | Four Season Custom, optional                   |  |  |  |  |  |

(a) 13600: 1.75 foam pad; 13800: 1.50 foam pad

(b) 136-13800 jute and 1.00 foam pad

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (\*)

## WEIGHTS

| Model  | CURB WEIGHT - POUNDS |      |       | % PASS. WEIGHT DISTRIBUTION |      |               |      | SHIPPING *<br>WEIGHT |
|--|----------------------|------|-------|-----------------------------|------|---------------|------|----------------------|
|  | Front                | Rear | Total | Pass. In Front              |      | Pass. In Rear |      |                      |
|  |                      |      |       | Front                       | Rear | Front         | Rear |                      |
|  |                      |      | 327   |                             |      |               |      | 327                  |
|  |                      |      | 8-cyl |                             |      |               |      | 8-cyl                |
| <b>CHEVELLE 300</b>                          |                      |      |       |                             |      |               |      |                      |
| 13211 2-Door Sedan                           |                      |      | 3215  | 31                          | 69   |               |      | 3060                 |
| 13215 2-Door Wagon                           |                      |      | 3480  | 31                          | 69   |               |      | 3325                 |
| 13269 4-Door Sedan                           |                      |      | 3245  | 31                          | 69   |               |      | 3085                 |
| <b>CHEVELLE 300 DELUXE</b>                   |                      |      |       |                             |      |               |      |                      |
| 13411 2-Door Sedan                           |                      |      | 3220  | 31                          | 69   |               |      | 3060                 |
| 13435 4-Door Wagon                           |                      |      | 3525  | 31                          | 69   |               |      | 3370                 |
| 13669 4-Door Sedan                           |                      |      | 3290  | 31                          | 69   |               |      | 3130                 |
| 13480 Sedan Pickup                           |                      |      | 3270  | 12                          | 88   |               |      | 3115                 |
| <b>MALIBU</b>                                |                      |      |       |                             |      |               |      |                      |
| 13635 4-Door Wagon                           |                      |      | 3565  | 31                          | 69   |               |      | 3405                 |
| 13637 2-Door Coupe                           |                      |      | 3270  | 38                          | 62   |               |      | 3115                 |
| 13667 2-Door Conv.                           |                      |      | 3370  | 38                          | 62   |               |      | 3210                 |
| 13669 4-Door Sedan                           |                      |      | 3290  | 31                          | 69   |               |      | 3130                 |
| 13680 Sedan Pickup                           |                      |      | 3280  | 12                          | 88   |               |      | 3125                 |
| <b>MALIBU SUPER SPORT</b>                    |                      |      |       |                             |      |               |      |                      |
| 13837 2-Door Coupe                           |                      |      | 3325  | 38                          | 62   |               |      | 3165                 |
| 13867 2-Door Conv.                           |                      |      | 3420  | 38                          | 62   |               |      | 3260                 |
| Accessories & Equipment Differential Weights |                      |      |       | Remarks                     |      |               |      |                      |
|  |                      |      | 327   |                             |      |               |      |                      |
|  |                      |      | 8-cyl |                             |      |               |      |                      |
| Air Conditioning                             |                      |      | +164  |                             |      |               |      |                      |
| Brakes, Power                                |                      |      | + 9   |                             |      |               |      |                      |
| Heater (delete)                              |                      |      | - 21  |                             |      |               |      |                      |
| Radio, manual                                |                      |      | + 6   |                             |      |               |      |                      |
| Radio, push button                           |                      |      | + 9   |                             |      |               |      |                      |
| Seat, 4-Way Power                            |                      |      | + 20  |                             |      |               |      |                      |
| Steering, Power                              |                      |      | + 28  |                             |      |               |      |                      |
| Transmission, Powerglide                     |                      |      | + 11  |                             |      |               |      |                      |
| Transmission, 4-Speed                        |                      |      | + 11  |                             |      |               |      |                      |
| Transmission, Overdrive                      |                      |      | --    |                             |      |               |      |                      |
| Windows, Power                               |                      |      | + 21  |                             |      |               |      |                      |

\* These are weights that are reported to states for licensing purposes.

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# AMA Specifications – Passenger Car

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. Questions concerning these specifications should be directed to the manufacturer whose address is shown below. This uniform specification form was developed by the automobile manufacturing companies under the auspices of the Automobile Manufacturers Association.

|   |  |                           |                        |                     |  |
|---|--|---------------------------|------------------------|---------------------|--|
| <b>MANUFACTURER</b> Chevrolet Motor Division<br>General Motors Corporation                    | <b>CAR NAME</b> CHEVELLE<br>RPO Z16<br>Optional 396 cu. in. 8-cylinder   |                           |                        |                     |  |
| <b>MAILING ADDRESS</b> Chevrolet Engineering Center<br>30003 Van Dyke, Warren, Michigan 48090 | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><b>MODEL YEAR</b><br/>1965</td> <td style="width: 50%;"><b>ISSUED:</b> 2-22-65</td> </tr> <tr> <td colspan="2"><b>REVISED:</b> (a)</td> </tr> </table> | <b>MODEL YEAR</b><br>1965 | <b>ISSUED:</b> 2-22-65 | <b>REVISED:</b> (a) |  |
| <b>MODEL YEAR</b><br>1965   | <b>ISSUED:</b> 2-22-65   |                           |                        |                     |  |
| <b>REVISED:</b> (a)   |  |                           |                        |                     |  |

**NOTES:**

1. The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
2. UNLESS OTHERWISE INDICATED:
  - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
  - b. Nominal design dimensions are used throughout these specifications.

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|  |  |
|--|--|
| <b>BODY—TYPES AND STYLE NAMES—</b>   | Body type, number of passenger & style names; use manufacturer's code for series & body style. |
| <p style="text-align: center; margin: 0;">RPO Z16</p> <p style="text-align: center; margin: 0;">Optional 396 cu. in.</p> <p style="text-align: center; margin: 0;"><u>8-cylinder</u></p><br><p>MALIBU SUPER SPORT</p><br><p>2-Door Sport Coupe, 4-Pass. <span style="float: right;">13837</span></p> |  |

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 3-22-65 REVISED(\*)

**GENERAL SPECIFICATIONS**

(All dimensions in inches unless otherwise indicated)

| MODEL 13837   |                            | Additional Information Page No.: | 396 Cu. In. V-8 Engine 375 HP  |
|---|----------------------------|----------------------------------|--------------------------------|
| Wheelbase (L101)  |                            | 23                               | 115.0                          |
| Tread   | Front (W101)               | 22                               | 58.0                           |
|   | Rear (W102)                | 22                               | 58.0                           |
| Maximum Overall Dimensions                              | Length (L103)              | 23                               | 196.6                          |
|   | Width (W103)               | 22                               | 74.6                           |
|   | Height (H101)              | 24                               | Sp. Coupe                      |
| Transmission (Specify trade name - opt., not available) | Manual                     | 15                               | Synchro-Mesh, 4-Speed Required |
|   | Overdrive                  | 16                               | N. A.                          |
|   | Automatic                  | 16                               | N. A.                          |
| Axle ratio  | Manual                     | 17                               | 3.31                           |
|   | Overdrive                  | 17                               | N. A.                          |
|   | Automatic                  | 17                               | N. A.                          |
| Tire size   |                            | 18                               | 7.75 x 14                      |
| Engine  | Type, no. cyl., valve arr. | 2                                | 90° OHV V-8                    |
|   | Fuel system (Carb., other) | 8                                | Carburetor                     |
|   | Bore and stroke            | 2                                | 4.09" x 3.76                   |
|   | Piston displ., cu.in.      | 2                                | 396 Cu. In.                    |
|   | Std. compression ratio     | 2                                | 11.0:1                         |
|   | Max. bhp at engine rpm     | 2                                | 375 @ 5600                     |
|   | Max. torque at rpm         | 2                                | 420 @ 3600                     |



MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-23-65 REVISED (e)

### GENERAL SPECIFICATIONS — DIMENSIONS

13800, Opt. 396 Cu. In.  
Engine, L37

(All dimensions in inches unless otherwise indicated)  
(Supplemental data available on request)

| MODEL | Ref. No. | SPORT COUPE<br>BUCKET |
|-------|----------|-----------------------|
|-------|----------|-----------------------|

#### FRONT COMPARTMENT

|                                  |     |      |
|----------------------------------|-----|------|
| Shoulder room                    | W3  | 58.8 |
| Max. eff. leg room - accelerator | L34 | 42.0 |
| Effective head room              | H61 | 37.9 |
| H Point to Heel point            | H30 | 7.7  |
| Upper body opening to ground     | H50 | 49.2 |

#### REAR COMPARTMENT

|                            |     |      |
|----------------------------|-----|------|
| Shoulder room              | W4  | 56.8 |
| H Point couple distance    | L50 | 31.6 |
| Minimum effective leg room | L51 | 33.2 |
| Effective head room        | H63 | 36.7 |

#### STATION WAGON—THIRD SEAT

|                     |     |      |
|---------------------|-----|------|
| Shoulder room       | W85 |      |
| Effective leg room  | L86 | None |
| Effective head room | H86 |      |

#### LUGGAGE COMPARTMENT

|                                      |      |                              |
|--------------------------------------|------|------------------------------|
| Usable luggage capacity (See instr.) | V1   | 16.7                         |
| Liftover height                      | H195 | 20.6                         |
| Position of spare tire storage       |      | Hor. right rear trunk floor  |
| Method of holding lid open           |      | Torsion bars counterbalanced |

#### STATION WAGON—CARGO SPACE

|   |      |      |
|---|------|------|
| Minimum distance between wheel houses at floor level  | W201 |      |
| Rear end opening width at belt  | W204 |      |
| Floor length from back of front seat at floor level to inside of closed tail gate           | L202 |      |
| Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt | L204 | None |
| Maximum height - floor covering to headlining at centerline of rear axle                    | H201 |      |
| Maximum height of rear opening - tail and lift gates open                                   | H202 |      |
| Cargo volume index (cu.ft.) $\frac{W4 \times L204 \times H201}{1728}$                       | V2   |      |

# AMA Specifications—Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 3-22-65 REVISED <sup>(a)</sup>  
 MODEL 13837 13867 396 Cu. In. V-8 Engine 375 HP

## ENGINE—GENERAL

|   |         |                     |
|---|---------|---------------------|
| Type, no. cyls., valve arr.                                       |         | 90° OHV V-8         |
| Bore and stroke (nominal)   |         | 4.00 x 3.76         |
| Piston displacement, cu. in.                                      |         | 396 Cu. In.         |
| Bore spacing (C/L to C/L)   |         | 4.84                |
| No. system<br>(front to rear)                                     | L. Bank | 1-3-5-7             |
|   | R. Bank | 2-4-6-8             |
| Firing order  |         | 1-8-4-3-6-5-7-2     |
| Compras. ratio (nominal)  |         | 11.0:1              |
| Cylinder Head Material  |         | Cast Alloy Iron     |
| Cylinder Block Material   |         | Cast Alloy Iron     |
| Cylinder Sleeve—Wet, dry, none                                    |         | None                |
| Number of<br>mounting points                                      | Front   | Two                 |
|   | Rear    | One                 |
| Engine installation angle   |         | 3° 54'              |
| Taxable <sup>Dia. 2 x No. Cyl.</sup><br>horsepower <sub>2.5</sub> |         | 53.6                |
| Published max. bhp*<br>@ eng. RPM                                 |         | 375 @ 5600          |
| Published max. torque*<br>(lb. ft. @ RPM)                         |         | 420 @ 3600          |
| Rec. <sup>Std fuel</sup><br>reg. <sub>premium</sub>               |         | Premium             |
| Idle speed (spec.<br>neutral or drive)                            |         | 700                 |
|   |         | Manual<br>Automatic |

## ENGINE—PISTONS

|                          |            |                           |                  |
|--------------------------|------------|---------------------------|------------------|
| Material                 |            | Aluminum impact extruded  |                  |
| Description and finish   |            | Domed head; slipper skirt |                  |
| Weight (piston only) oz. |            | 24.00                     |                  |
| Clearance<br>(limits)    | Top land   | .0265 - .0335             |                  |
|                          | Skirt      | Top                       | .007 - .0013 (a) |
|                          |            | Bottom                    | ---              |
| Ring groove<br>depth     | No. 1 ring | .2253 - .2318             |                  |
|                          | No. 2 ring | .2253 - .2318             |                  |
|                          | No. 3 ring | .2118 - .2128             |                  |
|                          | No. 4 ring | ---                       |                  |

\*Max. bhp (brake horsepower) and max. torque corrected to 60° F and 29.92 in. Hg atmospheric pressure.

(a) - Measured 2.13 from top of piston.

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13800 Opt. 396 Cu. In.

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## DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE NA

For transmission data see manual transmission section

|                     |   |        |  |
|---------------------|---|--------|--|
| Overdrive           | Type (planetary or other)               |        |  |
|                     | Manual lockout (yes, no)                |        |  |
|                     | Downshift accelerator control (yes, no) |        |  |
|                     | Minimum cut-in speed                    |        |  |
|                     | Gear ratio                              |        |  |
| Lu-<br>bri-<br>cant | Capacity (pt.) (Overdrive only)         |        |  |
|                     | Separate filler (yes, no)               |        |  |
|                     | Type recommended                        |        |  |
|                     | SAE vis-<br>cosity<br>number            | Summer |  |
|                     | Winter                                  |        |  |
|                     | Ext. cold                               |        |  |

## DRIVE UNITS—AUTOMATIC TRANSMISSION NA

|  |                              |  |
|--|------------------------------|--|
| Trade name   |                              |  |
| Type describe  |                              |  |
| Method of Selection<br>(Lever, Push Button or other)                               |                              |  |
| Selector Pattern   |                              |  |
| List ratios Selector Pattern and<br>in which are used in each<br>selector position |                              |  |
| Max. upshift speeds—drive range  |                              |  |
| Max. kickdown speeds—drive range   |                              |  |
| Torque<br>converter  | Number of elements           |  |
|  | Max. ratio at stall          |  |
|  | Type of cooling (air, water) |  |
| Lubricant  | Capacity—refill (pt.)        |  |
|  | Type recommended             |  |
| Special transmission<br>features   |                              |  |

## DRIVE UNITS—PROPELLER SHAFT

|   |                        |                      |
|---|------------------------|----------------------|
| Number used   | One                    |                      |
| Type (exposed, torque tube)                           | Exposed, unsupported   |                      |
| Outer<br>diameter x<br>length* x<br>wall<br>thickness | Manual transmission    | 3.25 x 60.137 x .065 |
|   | Overdrive transmission | NA                   |
|   | Automatic transmission | NA                   |

\*Center to center of universal joints, or to centerline of rear attachment.

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## DRIVE UNITS—PROPELLER SHAFT (cont.)

|  |  |                                |
|--|--|--------------------------------|
| Inter-<br>mediate<br>bearing                           | Type (plain,<br>anti-friction)           | None                           |
|  | Lubrication (fitting,<br>prepack)        | ---                            |
| Universal<br>joints                                    | Make                                     | Chevrolet                      |
|  | Number used                              | 2                              |
|  | Type (ball and trunion,<br>cross, other) | Cross                          |
|  | Bearing                                  | Type (plain,<br>anti-friction) |
| Lubric. (fitting,<br>prepack)                          |  | Prepack                        |
| Drive taken through (torque tube<br>or arms, springs)  |  | Control arms                   |
| Torque taken through (torque tube<br>or arms, springs) |  | Control arms                   |

## DRIVE UNITS—REAR AXLE

|                                   |                              |   |        |
|-----------------------------------|------------------------------|---|--------|
| Description (see instructions)    |                              | Std. - semi-floating, overhung pinion gear              |        |
| Limited Slip differential, type   |                              | NA  |        |
| Drive Pinion Offset               |                              | 1.5   |        |
| No. of differential pinions       |                              | 2   |        |
| Gear ratios<br>(Std. equip.)      | Manual transmission          | 3.31  |        |
|                                   | Overdrive transmission       | NA  |        |
|                                   | Automatic transmission       | NA  |        |
| Ring gear O.D. (std. ratio)       |                              | 8.875   |        |
| Pinion adjustment (shim, other)   |                              | None  |        |
| Pinion bearing adj. (shim, other) |                              | Shim  |        |
| Wheel bearing type                |                              | Single row cylindrical roller                           |        |
| Lubricant                         | Capacity (pt.)               | 4.0   |        |
|                                   | Type recommended             | For standard axles, meeting Military Spec. MIL-L-2105-B |        |
|                                   | SAE vis-<br>cosity<br>number | Summer  | SAE 80 |
|                                   |                              | Winter  | SAE 80 |
|                                   |                              | Extreme cold  | SAE 80 |

## REAR AXLE RATIO TOOTH COMBINATIONS

(See page 3 for axle ratio usage)

|              |           |      |
|--------------|-----------|------|
| Axle ratio   |           | 3.31 |
| No. of teeth | Pinion    | 13   |
|              | Ring gear | 43   |

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**DRIVE UNITS—WHEELS**

|                            |   |                            |
|----------------------------|---|----------------------------|
| Type & material            | Short spoke disc, steel (riveted rim-spoke) |                            |
| Rim (size and flange type) | Std.  | 14x6                       |
|                            | Opt.  |                            |
| Attachment                 | Type (bolt or stud)                         | Bolt                       |
|                            | Circle diameter                             | 4.75                       |
|                            | Number and size                             | 5 hex nuts, 7/16-20 UNF-2B |

**DRIVE UNITS—TIRES**

|                               |                    |                       |
|-------------------------------|--------------------|-----------------------|
| Standard (List option below)  | Size & ply         | 7.75 x 14-4PR (2 ply) |
|                               | Type - Nylon, etc. | Nylon (gold stripe)   |
| Rev/mile at 50 mph.           |                    | 774                   |
| Inflation press.(cold)        | Front              | 24                    |
|                               | Rear               | 24                    |
| Optional tires - size and ply |                    |                       |

**BRAKES—SERVICE**

|  |   |                                     |      |
|--|---|-------------------------------------|------|
| Type (duo-servo, disc, balanced, etc.)           | Duo-Servo, 4-wheel hydraulic, power assist        |                                     |      |
| adjusting (std., opt., N.A.)                     | Reverse self-adjusting, std.                      |                                     |      |
| Hydraulic system type (single, dual, etc.)       | Single  |                                     |      |
| Power brake make & type (remote, integral, etc.) | Bendix, Delco-Moraine vacuum power unit; integral |                                     |      |
| Effective area (sq. in.)*                        | 183.4   |                                     |      |
| Gross lining area (sq. in.)**                    | 198.4   |                                     |      |
| Swept drum area (sq. in.)***                     | 328.3   |                                     |      |
| Percent brake effectiveness—front                | 58.5  |                                     |      |
| Drum   | Diameter  | Front                               | 11.0 |
|  |   | Rear                                | 11.0 |
|  | Type and material                                 | Composite; cast iron rim; steel web |      |
| Wheel cylinder bore                              | Front   | 1.1875                              |      |
|  | Rear  | 1.00                                |      |
| Master cylinder bore                             | 1.00  |                                     |      |
| Available pedal travel                           | 6.70  |                                     |      |
| Line pressure at 100 lb. pedal load              |   |                                     |      |
| Shoe clearance adjustment                        | Self-adjusting                                    |                                     |      |

(Continued)

\* Excludes rivet holes, grooves, chamfers, etc.  
 \*\* Includes rivet holes, grooves, chamfers, etc.  
 \*\*\* Total swept areas for four brakes  
 Widest lining contact width for each brake x its drum circumference.

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## BRAKES—SERVICE (cont.)

|                                   | Bonded or riveted |                                   |             |   |   | Bonded              |
|-----------------------------------|-------------------|-----------------------------------|-------------|---|---|---------------------|
|                                   | Brake lining      | Front Shoe                        | Material    |   |   |                     |
| Size (length x width x thickness) |                   |                                   | Front wheel |   |   | 9.25 x 2.75 x .168  |
|                                   |                   |                                   | Rear wheel  |   |   | 9.25 x 2.00 x .168  |
| Segments per shoe                 |                   |                                   |             | 1 |   |                     |
| Brake lining                      | Rear Shoe         | Material                          |             |   |   | Molded asbestos     |
|                                   |                   | Size (length x width x thickness) | Front wheel |   |   | 11.63 x 2.75 x .168 |
|                                   |                   |                                   | Rear wheel  |   |   | 11.63 x 2.00 x .168 |
|                                   | Segments per shoe |                                   |             |   | 1 |                     |

## BRAKES—PARKING

|                                 |  |     |  |
|---------------------------------|--|-----|--|
| Type of control                 | Pulley-cable linkage; foot pedal apply, handle release |     |  |
| Location of control             | Below instrument panel left of steering column         |     |  |
| Operates on                     | Rear service brakes                                    |     |  |
| If separate from service brakes | Type (internal or external)                            | --- |  |
|                                 | Drum diameter  | --- |  |
|                                 | Lining size (length x width x thickness)               | --- |  |

## FRAME or UNITIZED CONSTRUCTION

Type and description All welded perimeter frame with front crossmember, rear suspension crossmember and rear crossmember. Frame reinforcement between upper and lower control arm pivots.

## SUSPENSION—GENERAL (See Supplemental page 19 for details on Air Suspension)\*

|                                    |   |                                 |  |
|------------------------------------|---|---------------------------------|--|
| Provision for car leveling         | Front stabilizer bar  |                                 |  |
| Provision for brake dip control    | Mounting angle of front upper control arms  |                                 |  |
| Provision for acc. squat control   | Geometry of rear suspension   |                                 |  |
| Special provisions for car jacking | Bumper jack provided; apply just outboard of bumper bolt at wheel requiring jacking |                                 |  |
| Shock absorber front & rear        | Type  | Direct double-acting, hydraulic |  |
|                                    | Make  | Delco Products                  |  |
|                                    | Piston dia.   | 1.00                            |  |
| Other special features             |   |                                 |  |

## SUSPENSION—FRONT

Type and description Independent - SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle for each wheel.

(Continued)

\* Air Suspension:  
 Air spring type  
 Compressor data  
   type  
   make  
   drive ratio  
   Normal operating pressures  
   spring rates  
   leveling rate

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**SUSPENSION FRONT (cont.)**

|            |   |                               |
|------------|---|-------------------------------|
| Spring     | Type  | Coil                          |
|            | Material  | Steel alloy                   |
|            | Size (coil design height & I.D.; bar length x dia.) | 12.59 & 3.63;<br>135.9 x 6.37 |
|            | Spring rate (lb. per in.)                           | 320                           |
|            | Rate at wheel (lb. per in.)                         |                               |
|            | Design load (lb. @ design height)                   | 1675 @ 12.59                  |
| Stabilizer | Type (link, linkless, frameless)                    | Link                          |
|            | Material & bar diameter                             | HR steel 1.06"                |

**STEERING**

|  |   |  |   |
|--|---|--|---|
| Manual (std., opt., NA)                        |   | NA   |   |
| Power (std., opt., NA)                         |   | Std.   |   |
| Adjustable steering wheel (tilt, swing, other) | Type and description                      | Tilt: tilt achieved with universally-jointing steering shaft at base of steering wheel; 5" vertical travel range |   |
|  | (std., opt., NA)                          | Optional   |   |
| Wheel diameter                                 | Manual                                    | --   |   |
|  | Power                                     | 16.5   |   |
| Turning diameter                               | Outside front                             | Wall to wall (l. & r.)   | 44.7                                    |
|  |   | Curb to curb (l. & r.)   | 41.9                                    |
|  | Inside rear                               | Wall to wall (l. & r.)   |   |
|  |   | Curb to curb (l. & r.)   | 26.6                                    |
| Outside wheel angle with inside wheel at 20°   |   | 18.41°   |   |
| Manual   | Gear                                      | Type   | NA                                      |
|  |   | Make   |   |
|  |   | Ratios   |   |
|  |   | Gear Overall   |   |
| No. wheel turns                                |   |  |   |
| Power  | Type (coaxial, linkage, etc.)             |  | Coaxial                                 |
|  | Make                                      |  | Saginaw                                 |
|  | Gear                                      | Type   | Semi-reversible, recirculating ball nut |
|  |   | Ratios   | 15:1                                    |
|  |   | Gear Overall   |   |
| Pump driven by                                 |   | Crankshaft pulley  |   |
| Number wheel turns                             |   |  |   |
| Linkage  | Type                                      |  | Parallelogram                           |
|  | Location (front or rear of wheels, other) |  | Front of wheels                         |
|  | Drag link (trans. or longit.)             |  | None                                    |
|  | Tie rods (one or two)                     |  | 2                                       |

(Continued)

# AMA Specifications – Passenger Car

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## STEERING (cont.)

|                                       |                               |               |   |
|---------------------------------------|-------------------------------|---------------|---|
| Steering Axis                         | Inclination at comber (deg.)  |               | 7-3/4 to 8-3/4  |
|                                       | Bearings (type)               | Upper         | Ball stud with non-metallic bearing surfaces            |
|                                       |                               | Lower         | Ball stud with non-metallic bearing surfaces            |
|                                       |                               | Thrust        | None  |
| Wheel alignment (range and preferred) | Caster (deg.)                 |               | N1 to 0 (curb)  |
|                                       | Camber (deg.)                 |               | 0 to P1 (curb)  |
|                                       | Toe-in (outside tread-inches) |               | 1/8 to 1/2 total (curb)                                 |
| Steering spindle & joint type         |                               |               | Forging with pad for mounting brake cylinder, spherical |
| Wheel spindle                         | Diameter                      | Inner bearing | 1.2493-1.2498   |
|                                       |                               | Outer bearing | .7492-.7497   |
|                                       | Thread size                   |               | 3/4-20 NEF-3 (modified)                                 |
|                                       | Bearing type                  |               | Taper roller  |

## SUSPENSION—REAR

|   |   |               |  |    |
|---|---|---------------|--|----|
| Type and description                        |   |               | 4-link: 2 upper and 2 lower control arms |    |
| Drive and torq. taken through (see page 17) |   |               | Control arms                             |    |
| Spring                                      | Type  |               | Coil                                     |    |
|   | Material  |               | Steel alloy                              |    |
|   | Size (length x width, coil design height and I.D.; bar length & dia.) |               | 9.74 & 5.50; 103.6 x .542                |    |
|   | Spring rate (lb. per in.)   |               | 120                                      |    |
|   | Rate at wheel (lb. per in.)   |               |  |    |
|   | Design load (lb. at design height)                                    |               | 600 @ 9.74                               |    |
|   | Mounting insulation type  |               | None                                     |    |
|   | If leaf   | No. of leaves |  | 4  |
|   |   | Inserts       | Type and size                            | NA |
|   |   |               | Material                                 | NA |
| Shackle (comp. or tens.)                    |   | ↓             |  |    |
| Stabilizer                                  | Type (link, linkless, frameless)                                      |               | Frameless                                |    |
|   | Material  |               | Steel                                    |    |
| Track bar type                              |   |               | None                                     |    |



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### POWER TEAMS

(Indicate whether standard or optional)

| MODEL AVAILABILITY | ENGINE         |            |              |                  |                  | TRANSMISSION            | AXLE RATIO (Std. first) |
|--------------------|----------------|------------|--------------|------------------|------------------|-------------------------|-------------------------|
|                    | Displ. cu. in. | Carburetor | Compr. Ratio | BHP @ RPM        | Torque @ RPM     |                         |                         |
| 13837              | 396<br>*       | 4-Bbl.     | 11.0:1       | 375<br>@<br>5600 | 420<br>@<br>3500 | 4-Speed<br>(2.56:1 low) | 3.31:1                  |
| *Optional          |                |            |              |                  |                  |                         |                         |

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MODEL 13837 396 Cu. In. V-8 Engine 375 HP

## ENGINE-RINGS

|                                |   |  |
|--------------------------------|---|--|
| Function<br>(top to<br>bottom) | No. 1, oil or comp.                               | Compression  |
|                                | No. 2, oil or comp.                               | Compression  |
|                                | No. 3, oil or comp.                               | Oil Control  |
|                                | No. 4, oil or comp.                               | ---  |
| Compression                    | Description -<br>material, type,<br>coating, etc. | Cast alloy iron; inside bevel<br>Molybdenum coating  |
|                                | Width   | .0620-.0625;   |
|                                | Gap   | .010-.020  |
| Oil                            | Description -<br>material, type,<br>coating, etc. | Multi-piece (2 rails and one spacer expander)<br>Rails - Steel chrome plated OD<br>Expander: - Stainless steel |
|                                | Width   | .1890-.1910 assembled  |
|                                | Gap   | .010-.030  |
| Expanders                      |   | In oil ring assembly   |

## ENGINE-PISTON PINS

|                                     |   |                |
|-------------------------------------|---|----------------|
| Material                            |   | Chromium Steel |
| Length                              |   | 2.930-2.950    |
| Diameter                            |   | .9895-.9898    |
| Type                                | Locked in rod, in<br>piston, floating, etc. | Locked in rod  |
|                                     | Bushing                                     | None           |
|                                     |   | None           |
| Clearance                           | In piston                                   | .00045-.00055  |
|                                     | In rod                                      | ----           |
| Direction & amount offset in piston |   | On center      |

## ENGINE-CONNECTING RODS

|                           |                    |                   |
|---------------------------|--------------------|-------------------|
| Material                  |                    | Drop forged steel |
| Weight (oz.)              |                    | 30.00             |
| Length (center to center) |                    | 6.134-6.136       |
| Bearing                   | Material & Type    | Premium Aluminum  |
|                           | Overall length     | .857              |
|                           | Clearance (limits) | .0007-.0028       |
|                           | End play           | .0016-.0020       |

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MODEL

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## ENGINE—CRANKSHAFT

|                                   |   |                               |   |  |
|-----------------------------------|---|-------------------------------|---|--|
| Material                          |   | Forged Steel                  |   |  |
| Vibration damper type             |   | Rubber mounted inertia damper |   |  |
| End thrust taken by bearing (No.) |   | Five                          |   |  |
| Crankshaft end play               |   | .006-.010                     |   |  |
| Main bearing                      | Material & type                         |                               | Premium aluminum except No. 5 sintered copper nickel backed babbitt |  |
|                                   | Clearance                               |                               | #1-4 .0006-.0022; #5 .0017-.0033                                    |  |
|                                   | Journal dia. and bearing overall length | No. 1                         | 2.7506 x .992   |  |
|                                   |   | No. 2                         | 2.7506 x .992   |  |
|                                   |   | No. 3                         | 2.7506 x .992   |  |
|                                   |   | No. 4                         | 2.7506 x .992   |  |
|                                   |   | No. 5                         | 2.7513 x 1.2525   |  |
|                                   |   | No. 6                         | ----  |  |
| No. 7                             |   | ----                          |   |  |
| Dir. & amt. cyl. offset           |   | None                          |   |  |
| Crankpin journal diameter         |   | 2.199-2.200                   |   |  |

## ENGINE—CAMSHAFT

|               |                                      |                           |                        |  |
|---------------|--------------------------------------|---------------------------|------------------------|--|
| Location      |                                      | In block above crankshaft |                        |  |
| Material      |                                      | Cast alloy iron           |                        |  |
| Bearings      | Material                             | Steel backed babbitt      |                        |  |
|               | Number                               | Five                      |                        |  |
|               | Gear or chain                        | Chain                     |                        |  |
| Type of Drive | Crankshaft gear or sprocket material |                           | Steel sprocket         |  |
|               | Camshaft gear or sprocket material   |                           | Cast aluminum sprocket |  |
|               | Timing chain                         | No. of links              | 50                     |  |
|               |                                      | Width                     | .880                   |  |
|               |                                      | Pitch                     | .500                   |  |

## ENGINE—VALVE SYSTEM

|   |         |                   |  |
|---|---------|-------------------|--|
| Hydraulic lifters (Std, opt, NA)                  |         | Hydraulic         |  |
| Valve rotator, type (intake, exhaust)             |         | None              |  |
| Rocker ratio                                      |         | 1.70:1            |  |
| Operating tappet clearance (indicate hot or cold) | Intake  | Zero              |  |
|   | Exhaust | Zero              |  |
| Timing marks on flywheel, damper, other           |         | Harmonic Balancer |  |

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## ENGINE—VALVE SYSTEM (cont.)

|   |   |                             |                               |                                    |
|---|---|-----------------------------|-------------------------------|------------------------------------|
| Timing<br>Includ-<br>ing<br>Ramps       | Intake                                  | Opens (°BTC)                | 56°                           |                                    |
|   |   | Closes (°ABC)               | 106°                          |                                    |
|   |   | Duration - deg.             | 342°                          |                                    |
|   | Exhaust                                 | Opens (°BBC)                | 110°                          |                                    |
|   |   | Closes (°ATC)               | 66°                           |                                    |
|   |   | Duration - deg.             | 356°                          |                                    |
| Valve opening overlap                   |   | 122°                        |                               |                                    |
| Intake                                  | Material                                |                             | Alloy steel - Aluminized face |                                    |
|   | Overall length                          |                             | 5.204-5.224                   |                                    |
|   | Actual overall head dia.                |                             | 2.185-2.195                   |                                    |
|   | Angle of seat & face                    |                             | 46° (seat) 45° (face)         |                                    |
|   | Seat insert material                    |                             | None                          |                                    |
|   | Stem diameter                           |                             | .3715-.3722                   |                                    |
|   | Stem to guide clearance                 |                             | .0010-.0027                   |                                    |
|   | Lift (@ zero lash)                      |                             | .4514                         |                                    |
|   | Outer<br>spring<br>press. and<br>length | Valve closed<br>(lb. @ in.) | 94-106 @ 1.88                 |                                    |
|   |   | Valve open<br>(lb. @ in.)   | 303-327 @ 1.38                |                                    |
|   | Inner<br>spring<br>press. and<br>length | Valve closed<br>(lb. @ in.) | Spring Damper                 |                                    |
|   |   | Valve open<br>(lb. @ in.)   | Spring Damper                 |                                    |
|   | Exhaust                                 | Material                    |                               | High alloy steel - Aluminized face |
|   |   | Overall length              |                               | 5.345-5.365                        |
| Actual overall head dia.                |   | 1.715-1.725                 |                               |                                    |
| Angle of seat & face                    |   | 46° (seat) 45° (face)       |                               |                                    |
| Seat insert material                    |   | None                        |                               |                                    |
| Stem diameter                           |   | .3710-.3717                 |                               |                                    |
| Stem to guide clearance                 |   | .0015-.0032                 |                               |                                    |
| Lift (@ zero lash)                      |   | .5000                       |                               |                                    |
| Outer<br>spring<br>press. and<br>length |   | Valve closed<br>(lb. @ in.) | 94-106 @ 1.88                 |                                    |
|   |   | Valve open<br>(lb. @ in.)   | 303-327 @ 1.38                |                                    |
| Inner<br>spring<br>press. and<br>length |   | Valve closed<br>(lb. @ in.) | Spring Damper                 |                                    |
|   |   | Valve open<br>(lb. @ in.)   | Spring Damper                 |                                    |

## ENGINE—LUBRICATION SYSTEM

|  |                      |  |
|--|----------------------|--|
| Type of<br>Lubrication<br>(splash,<br>pressure,<br>nozzle) | Main bearings        | Pressure                                 |
|  | Connecting rods      | Pressure                                 |
|  | Piston pins          | Splash                                   |
|  | Camshaft bearings    | Pressure                                 |
|  | Tappets              | Pressure                                 |
|  | Timing gear or chain | Center fully oiled from camshaft bearing |
|  | Cylinder walls       | Pressure, jet cross sprayed              |

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MODEL

396 Cu. In. V-8 Engine 375 HP

## ENGINE—LUBRICATION SYSTEM (cont.)

|   |  |
|---|--|
| Oil pump type   | Gear   |
| Normal oil pressure (lb. @ engine rpm)                      | 50-75 @ 2000   |
| Oil pressure sending unit (elect. or mech.)                 | Electric   |
| Type oil intake (floating, stationary)                      | Stationary   |
| Oil filter system (full flow, partial, other)               | Full flow  |
| Filter replacement (element, complete)                      | Element  |
| Capacity of crankcase, less filter-refill (qt.)             | 4  |
| Oil grade recommended (SAE viscosity and temperature range) | 32° F and Above ----- SAE 20W, SAE 20 or SAE 10W-30<br>0° F and Above ----- SAE 10W, or SAE 10W-30<br>Below 0° F ----- SAE 5W or SAE 5W-20 |
| Engine Service Requirement (MM, MS, etc.)                   | MS or DG   |

## ENGINE—EXHAUST SYSTEM

|  |                                     |
|--|-------------------------------------|
| Type (single, single with cross-over, dual, other)                   | Dual                                |
| Muffler No. & type (reverse flow, straight thru, separate resonator) | Two, reverse flow                   |
| Exhaust pipe dia. (O.D. & wall thickness)                            | -----<br>2.50 x .073-.091 laminated |
| Branch   |                                     |
| Main   | 2.25 x .062-.076                    |
| Oil pipe diameter (O.D. & wall thickness)                            | 2.25 x .062-.076                    |

## ENGINE—CRANKCASE VENTILATION SYSTEM

|  |  |                                |
|--|--|--------------------------------|
| Type (ventilates to atmos., induction system, other) | Standard   | Ventilates to induction system |
|  | Optional   |                                |
| Control unit   | Make and model   |                                |
|  | Location   | Rear of carburetor             |
|  | Energy source (manifold vacuum, carburetor air stream, other)                | Manifold vacuum.               |
|  | Control method (variable orifice, fixed orifice, other)                      | Variable orifice               |
| Complete system                                      | Discharges (to intake manifold, carb. air intake, air cleaner intake, other) | Intake manifold                |
|  | Air inlet (breather cap, carburetor air cleaner, other)                      | Carburetor air cleaner         |
|  | Flame arrestor (screen, check valve, other)                                  | Screen                         |

# AMA Specifications— Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-22-65 REVISED <sup>(\*)</sup>

13837

396 Cu. In. V-8 Engine 375 HP

MODEL \_\_\_\_\_

## ENGINE—FUEL SYSTEM

(See Supplement to Page 8 for Details of Fuel Injection, Supercharger, etc. if used)

|  |  |   |
|--|--|---|
| Induction type: Carburetor, fuel injection, supercharger.  |  | Carburetor                                      |
| Fuel Tank Capacity (gals.)                                 |  | 20  |
| Fuel Tank Filler location                                  |  | Behind hinged rear license plate                |
| Fuel Pump Type (elec. or mech.)                            |  | Mechanical                                      |
| Fuel Pump Locations  |  | Lower right front corner of engine              |
| Fuel Pump Pressure range                                   |  | 5.25 - 6.50 PSI                                 |
| Vacuum booster (std., optional, none)                      |  | None  |
| Fuel Filter Type   |  | Fine mesh plastic strainer in gas tank and      |
| Fuel Filter Locations                                      |  | In-line paper element between carb. & fuel line |
| Carburetor Choke type                                      |  | Automatic                                       |
| Carburetor Intake manifold heat control (exhaust or water) |  | Exhaust   |
| Carburetor Air clnr. type                                  |  | Oil-wetted paper element                        |
|  |  | ---   |

## CARBURETOR SUPPLEMENTARY INFORMATION

| Model Usage    | Engine Displ. | Transmission | Carburetors |         | No. Used and Type                        | Barrel Size                        |
|----------------|---------------|--------------|-------------|---------|--|------------------------------------|
|                |               |              | Make        | Model   |  |                                    |
| 13837<br>13867 | 396           | 4-Speed      | Holley      | 3869933 | One;<br>Four<br>Barrel<br>Down-<br>draft | 1-686<br>Primary<br>&<br>Secondary |

# AMA Specifications – Passenger Car

MAKE OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-22-65 REVISED(0)

13837

MODEL \_\_\_\_\_ 396 Cu. In. V-8 Engine 375 HP

## ENGINE—COOLING SYSTEM

|   |                              |                                    |                                     |
|---|------------------------------|------------------------------------|-------------------------------------|
| Type system (pressure, pressure vented, atmospheric, other) |                              | Pressure                           |                                     |
| Radiator cap relief valve pressure                          |                              | 15 ± IPSI                          |                                     |
| Circulation thermostat                                      | Type (choke, bypass)         | Choke                              |                                     |
|   | Starts to open at (°F)       | 177° - 183° F                      |                                     |
| Water pump  | Type (centrifugal, other)    | Centrifugal                        |                                     |
|   | GPM @ 1000 pump rpm          | 82 @ 5200                          |                                     |
|   | Number of pumps              | One                                |                                     |
|   | Drive (V-belt, other)        | V-Belt                             |                                     |
| Bearing type  |                              | Double row ball                    |                                     |
| By-pass recirculation type (internal, external)             |                              | External                           |                                     |
| Radiator core type (cellular, tube and fin, other)          |                              | Tube on center                     |                                     |
| Cooling system capacity                                     | With heater (qt.)            | 22                                 |                                     |
|   | Without heater (qt.)         | 21                                 |                                     |
|   | Opt. equipment-specify (qt.) |                                    |                                     |
| Water jackets full length of cylinder (yes, no)             |                              | Yes                                |                                     |
| Water all around cylinder (yes, no)                         |                              | Yes                                |                                     |
| Radiator hose   | Lower                        | Number and type (molded, straight) | One, molded                         |
|   |                              | Inside diameter                    | 1.88                                |
|   | Upper                        | Number and type (molded, straight) | One, molded                         |
|   |                              | Inside diameter                    | 1.50                                |
|   | By-pass                      | Number and type (molded, straight) | One, molded                         |
|   |                              | Inside diameter                    | .725 - .765                         |
| Fan   | Number of blades & Spacing   |                                    | 5, Staggered                        |
|   | Diameter                     |                                    | 18.00                               |
|   | Ratio-fan to crankshaft rev. |                                    | .949:1                              |
|   | Fan cutout type              |                                    | Thermo-modulated - viscous coupling |
|   | Bearing type                 |                                    | Double row ball                     |
| *Drive belts<br>(indicate belt used by letter)              | Fan                          |                                    | A                                   |
|   | Generator                    |                                    | A                                   |
|   | Water Pump                   |                                    | A                                   |
|   | Power Steering               |                                    |                                     |
| Air Conditioning  |                              |                                    |                                     |

|                         |             |
|-------------------------|-------------|
| * Drive Belt Dimensions | A           |
| Angle of V              | 38° - 42°   |
| Nominal length (SAE)    | 55.50       |
| Width                   | .380 ± .005 |

# AMA Specifications – Passenger Car

M. OF CAR CHEVELLE MODEL YEAR 1965 DATE ISSUED 2-22-65 REVISED<sup>(\*)</sup>

13837

396 Cu. In. V-8 Engine 375 HP

## ELECTRICAL—SUPPLY SYSTEM

|                               |                               |                                 |                                   |
|-------------------------------|-------------------------------|---------------------------------|-----------------------------------|
| Battery                       | Make and Model                |                                 | Delco-Remy #1980558               |
|                               | Voltage Rtg. & Total Plates   |                                 | 12 Volts, 66 plates               |
|                               | SAE Designation & Amp Hr. Rtg |                                 | 65 amp. hr. @ 20 hr.              |
|                               | Location                      |                                 | Right front of engine compartment |
| Terminal grounded             |                               | Negative                        |                                   |
| Generator                     | Make                          |                                 | Delco-Remy                        |
|                               | Model                         |                                 | #110069                           |
|                               | Type                          |                                 | Diode rectified                   |
|                               | Ratio—Gen. to Cr/s rev.       |                                 | 2.46:1                            |
| Gen. cut-in (hot) —engine rpm |                               |                                 |                                   |
| Regulator                     | Make                          |                                 | Delco-Remy                        |
|                               | Model                         |                                 | #1119515                          |
|                               | Type                          |                                 | Vibrator                          |
|                               | Cutout relay                  | Closing voltage @ generator rpm |                                   |
|                               |                               | Reverse current to open         |                                   |
|                               | Regu-lated                    | Voltage                         | 13.8-14.8 @ 85°F                  |
|                               |                               | Current                         |                                   |
|                               | Voltage test con-ditions      | Temperature                     | Operating                         |
|                               |                               | Load                            | 3-8 amperes                       |
|                               |                               | Other                           | None                              |

## ELECTRICAL—STARTING SYSTEM

|                |                           |                  |  |
|----------------|---------------------------|------------------|--|
| Starting motor | Make                      |                  | Delco-Remy   |
|                | Model                     |                  | #1107365   |
|                | Rotation (drive end view) |                  | Clockwise  |
|                | Engine cranking speed     |                  |  |
|                | Test conditions           |                  | Engine at operating temperatures   |
|                | Lock test                 | Amps             |  |
|                |                           | Volts            |  |
|                |                           | Torque (lb. ft.) | 65-100   |
|                | No load test              | Amps             | 10.6   |
|                |                           | Volts            |  |
| RPM (min.)     |                           | 3600-5100        |  |
| Motor control  | Switch (solenoid, manual) |                  | Solenoid   |
|                | Starting procedure        |                  | <p><b>SYNCHROMESH-</b> Place gearshift in neutral &amp; depress clutch to floor</p> <p><b>INITIAL START-</b> Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START-release as soon as engine starts</p> |

(Continued)



|             |          |                               |      |             |         |         |     |
|-------------|----------|-------------------------------|------|-------------|---------|---------|-----|
| MAKE OF CAR | CHEVELLE | MODEL YEAR                    | 1965 | DATE ISSUED | 2-22-65 | REVISED | (6) |
| MODEL       | 13837    | 396 Cu. In. V-8 Engine 375 HP |      |             |         |         |     |

### ELECTRICAL—STARTING SYSTEM (cont.)

|                           |                             |          |  |                         |     |
|---------------------------|-----------------------------|----------|--|-------------------------|-----|
| Motor Drive               | Engagement type             |          |  | Positive shift solenoid |     |
|                           | Pinion meshes (front, rear) |          |  | Rear                    |     |
|                           | Number of teeth             | Pinion   |  |                         | 9   |
|                           |                             | Flywheel |  |                         | 168 |
| Flywheel tooth face width |                             |          |  | .4100 - .4220           |     |

### ELECTRICAL—IGNITION SYSTEM

|                           |   |                                  |  |   |                |
|---------------------------|---|----------------------------------|--|---|----------------|
| Coil                      | Make  |                                  |  | Delco-Remy                                      |                |
|                           | Model   |                                  |  | 1115204   |                |
|                           | Amps  | Engine stopped                   |  |   | 4.0            |
| Engine idling             |   |                                  |  | 1.8   |                |
| Distributor               | Make  |                                  |  | Delco-Remy                                      |                |
|                           | Model   |                                  |  | 1111094   |                |
|                           | Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal) | Start (rpm)                      |  |   | 800            |
|                           |   | Intermediate points deg. @ rpm   |  |   |                |
|                           |   | Max deg. @ rpm                   |  |   | 28° @ 4400     |
|                           | Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)       | Start (in Hg)                    |  |   | 0° @ 8 In.     |
|                           |   | Intermediate points, deg @ in Hg |  |   |                |
|                           |   | Max. deg. in. Hg.                |  |   | 15° @ 15.5 In. |
|                           | Breaker gap (in.)   |                                  |  |   | .019           |
|                           | Cam angle (deg.)  |                                  |  |   | 28° - 32°      |
| Breaker arm tension (oz.) |   |                                  |  | 19-23   |                |
| Timing                    | Crankshaft deg. @ rpm.                                      |                                  |  | 8° BTC @ 700                                    |                |
|                           | Mark location   |                                  |  | Harmonic Balancer                               |                |
|                           | Cylinder numbering system (see page 2)                      |                                  |  | Left bank : 1-3-5-7<br>Right bank: 2-4-6-8.     |                |
|                           | Firing order (see page 2)                                   |                                  |  | 1-8-4-3-6-5-7-2                                 |                |
| Spark Plug                | Make and model  |                                  |  | AQ43N   |                |
|                           | Thread (mm)   |                                  |  | 14  |                |
|                           | Tightening torque (lb. ft.)                                 |                                  |  | 25  |                |
|                           | Gap   |                                  |  | .033-.038                                       |                |
| Cable                     | Conductor type  |                                  |  | Linen core impregnated with conducting material |                |
|                           | Insulation type   |                                  |  | Rubber with neoprene jacket                     |                |
|                           | Spark plug protector  |                                  |  | Silicon.  |                |

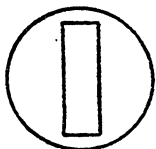
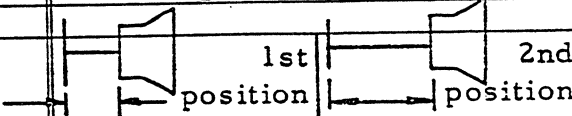

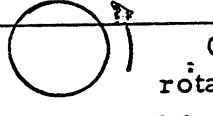
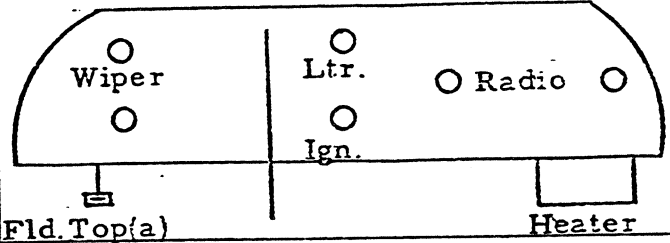
### ELECTRICAL—SUPPRESSION

|                  |                                  |
|------------------|----------------------------------|
| Locations & type | Non-metallic high tension cables |
|------------------|----------------------------------|

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## ELECTRICAL—INSTRUMENTS AND SWITCHES

|                             |   |  |  |
|-----------------------------|---|--|--|
| Speed-ometer                | Make  | AC   |  |
|                             | Trip odometer (yes, no)                             | No   |  |
| Charge indicator—type       |   | Gage   |  |
| Temperature indicator—type  |   | Gage   |  |
| Oil pressure indicator—type |   | Gage   |  |
| Fuel indicator—type         |   | Electric gage  |  |
| Other                       |   | Cigarette lighter, clock, tachometer   |  |
| Ignition switch             | Identify positions in order and circuits controlled | ACCESSORY OFF ON START<br>  | ACCESSORIES - accessories (ign.off)<br>OFF - off, locked<br>ON - ignition, batt., accessories<br>START - starter motor, spring return to ON.   |
|                             | Provision for illumination                          | Instrument lamps   |  |
|                             | Location  | Instrument cluster to right of steering column   |  |
| Main lighting switch        | Identify positions and lamps controlled             |   |  CW rotation   |
|                             |   |  CCW rotation   | Instru. panel lamps, parking, tail and license lamps.<br>Instru. panel lamps, parking, tail and license lamps.<br>Instru. panel lamps dim to off.<br>Instru. panel lamps off to Bright; full CCW rotation, dome lamp and/or courtesy lamps on. |
| Other light switches        | Locations and lamps controlled                      | Toe panel - hdlp. dimmer.<br>Glove compt. - glove compt., lamp.<br>Frt. door hinge pillars - dome &/or courtesy lamps.<br>St. column - direct, signal indicators & lamps.<br>Brake pedal pendant - stop lamps.<br>Parking brake lever - parking brake alarm. |  |
| Other switches              | Locations and devices controlled                    | At transmission - back up lamps.   |  |
|                             |   |    | Left side of frt. seat lower panel - pwr. seats (a).<br>Door & qtr. trim panels - power windows (a).   |
| Windshield wiper            | Make  | Delco  |  |
|                             | Type  | Electric two-speed   |  |
|                             | Vacuum booster provision                            | None   |  |
|                             | Washer provision                                    | Std. equipment   |  |
| Horn                        | Type  | Vibrator   |  |
|                             | Number used   | Two(a)   |  |
|                             | Amp draw (each)                                     | 8.0-11.0 @ 12.5V   |  |

OPTIONAL EQUIPMENT: Folding top motor; power seats; power windows; low note horn.

# AMA Specifications – Passenger Car

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 13800, Opt.  
 396 Cu. In.  
 MODEL Engine. L37

## ELECTRICAL—LAMP BULBS

Give quantity used and trade number, e.g., Headlamp 2-5400 S, dual headlight 2-4001, 2-4002.

|                         |           |  |      |
|-------------------------|-----------|--|------|
| Headlamps & arrangement |           | Dual, horizontal; outer, 2-4002; inner, 2-4001 |      |
| Headlamp beam indicator |           | 1-1895   |      |
| Parking                 |           | 2-1157   |      |
| Tail                    |           | 2-1157   |      |
| Stop                    |           | 2-1157   |      |
| Direction<br>signal     | Front     | 2-1157   |      |
|                         | Rear      | 2-1157   |      |
|                         | Indicator | 2-1445   |      |
| License Plate           |           | 2-1155   |      |
| Oil pressure indicator  |           | Gage   |      |
| Charge indicator        |           | Gage   |      |
| Instrument              |           | 6-1895   |      |
| Clock                   |           | 1-1895   | Std. |
| Radio                   |           | 1-1893   | Std. |

Indicate also whether the following lamp assemblies are standard equipment, optional, or NA.

|                           |          |      |
|---------------------------|----------|------|
| Tachometer                | Gage     | Std. |
| Back up                   | 2-1156   | Std. |
| Domc                      | 1-211    | Std. |
| Glove compartment         | 1-1395   | Std. |
| Prkg. brake signal        | 1-257    | Std. |
| Luggage compartment       | 1-1003   | Opt. |
| Underhood                 | 1-93     | Opt. |
| Courtesy Instrument panel | 2-631(a) | Std. |
| Ash tray                  | 1-53     | Opt. |
| Temp. indicator           | Gage     | Std. |
| Heater control            | 1-1895   | Std. |
| Traffic hazard indicator  | 1-1445   | Opt. |

(a). Std. seat separator courtesy, 1-211.

## OTHER BULBS

|                 |        |      |
|-----------------|--------|------|
| Spot lamp       |        |      |
| Portable        | 1-4416 | Opt. |
| Inside operated | 1-4405 | Opt. |

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 13800, Opt. 396  
 ( In. Engine,  
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## ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

Use trade number of fuse, e.g., SFE-10. Indicate circuit breaker by ampere capacity suffixed by letters "C.B.", e.g., 30 C.B. Where fuse or circuit breaker protects multiple circuits indicate first use by a letter and repeat the same letter for all units protected by the same fuse or circuit breaker, e.g., Parking lamp SFE-10 (a), Direction indicator same as (a).

|                         |                      |                   |            |
|-------------------------|----------------------|-------------------|------------|
| Headlamp                | 15 C.B. (a)          | Ash tray lamp     | (c)        |
| Headlamp beam indicator | (a)                  | Traffic haz. ind. | (b)        |
| Parking lamp            | (a)                  | Heater            | AGC 10 (g) |
| Tail lamp               | AGC 15 (b)           | Defogging unit    | (g)        |
| Stop lamp               | (b)                  | Spot lamp         | (b)        |
| Direction indicator     | AGC 3 (c)            | Courtesy lamp     | (b)        |
| License plate lamp      | (b)                  | Fuel gage         | (d)        |
| Instrument lamp         | (c)                  | Folding top motor | 40 C.B.    |
| Ignition lamp           | ---                  | Power seats       | 40 C.B.    |
| Back up lamp            | AGC 10 (d)           | Power windows     | 40 C.B.    |
| Dome lamp               | (b)                  |                   |            |
| Clock                   | (b)                  |                   |            |
| Clock lamp              | (c)                  |                   |            |
| Radio                   | AGC 2.5 (e)          |                   |            |
| Glove compartment lamp  | (b)                  |                   |            |
| Cig. lighter            | (b)                  |                   |            |
| W/S wiper (two-speed)   | 14 C.B. & SAE 20 (f) |                   |            |
| Parking brake alarm     | (d)                  |                   |            |
| Charge & temp. ind.     | (d)                  |                   |            |
| Tachometer              | (d)                  |                   |            |
| Master controls lamp    | (c)                  |                   |            |
| Underhood lamp          | SAE 4                |                   |            |
| Lugg. comp. lamp        | (b)                  |                   |            |

## ELECTRICAL—LOCATION OF OUTSIDE LAMPS

|                                       |  |                    |                    |
|---------------------------------------|--|--------------------|--------------------|
| Height above ground to center of bulb | Tail                                       | Lowest             | 24.9 (27.4 wagons) |
|                                       |  | Highest            | 24.9 (27.4 wagons) |
|                                       | Stop                                       |                    | 24.9 (27.4 wagons) |
|                                       |  | Backup             | 15.9 (24.2 wagons) |
|                                       | License, rear                              |                    | 16.2 (18.1 wagons) |
|                                       | Directional                                | Front              | 16.4 (17.0 wagons) |
|                                       |  | Rear               | 24.9 (27.4 wagons) |
|                                       | Headlamp                                   | Inside             | 24.4 (27.0 wagons) |
|                                       |  | Outside*           | 25.2 (27.0 wagons) |
|                                       | Distance from C/L of car to center of bulb | Tail               | Inside             |
| Outside                               |  |                    | 29.1 (32.4 wagons) |
| Stop                                  |  | 29.1 (32.4 wagons) |                    |
| Backup                                |  | 29.1 (32.4 wagons) |                    |
| License, rear                         |  | 7.1                |                    |
| Directional                           |  | Front              | 29.1               |
|                                       |  | Rear               | 29.1 (32.6 wagons) |
| Headlamp                              |  | Inside             | 29.1               |
|                                       |  | Outside*           | 25.3               |

\*Single headlamps are used enter here.

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 13800, Opt. 396  
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### DRIVE UNITS—CLUTCH (Manual Transmission)

|                                |  |                                    |
|--------------------------------|--|------------------------------------|
| Make & type                    | Chevrolet single dry disc, centrifugal |                                    |
| Type pressure plate springs    | Diaphragm, bent finger design          |                                    |
| Effective plate pressure (lb.) | 2300-2600                              |                                    |
| No. of clutch driven discs     | One                                    |                                    |
| Clutch facing                  | Material                               | Woven type asbestos                |
|                                | Outside & inside dia.                  | 11.0 & 6.5                         |
|                                | Total eff. area (sq.in.)               | 123.7                              |
|                                | Thickness                              | .140 ea.                           |
|                                | Engagement cushioning method           | Flat spring steel between facings  |
| Release bearing                | Type & method of lubrication           | Single row ball, packed and sealed |
| Torsional damping              | Methods: springs, friction material    | Coil springs                       |

### DRIVE UNITS—TRANSMISSIONS

|                                      |                  |
|--------------------------------------|------------------|
| Manual (std. or opt.)                | 4-Speed required |
| Manual with overdrive (std. or opt.) | NA               |
| Automatic (std. or opt.)             | NA               |

### DRIVE UNITS—MANUAL TRANSMISSION

|                                    |                      |                                     |        |
|------------------------------------|----------------------|-------------------------------------|--------|
| Number of forward speeds           | 4-Speed              |                                     |        |
| Transmission ratios                | In first             | 2.56                                |        |
|                                    | In second            | 1.91                                |        |
|                                    | In third             | 1.48                                |        |
|                                    | In fourth            | 1.00                                |        |
|                                    | In reverse           | 2.64                                |        |
| Synchronous meshing, specify gears | All forward gears    |                                     |        |
| Shift lever location               | Floor                |                                     |        |
| Lubricant                          | Capacity (pt.)       | 2.5                                 |        |
|                                    | Type recommended     | Meeting Military Spec. MIL-L-2105-B |        |
|                                    | SAE viscosity number | Summer                              | SAE 80 |
|                                    |                      | Winter                              | SAE 80 |
|                                    |                      | Extreme cold                        | SAE 30 |

|             |                                 |            |              |             |         |         |     |
|-------------|---------------------------------|------------|--------------|-------------|---------|---------|-----|
| MAKE OF CAR | CHEVELLE                        | MODEL YEAR | 1965         | DATE ISSUED | 2-22-65 | REVISED | (*) |
| MODEL       | Opt. 396 Cu. In.<br>Engine, L37 | Coupes     | Convertibles |             |         |         |     |

## BODY - MISCELLANEOUS INFORMATION

|   |             |  |
|---|-------------|--|
| Drs. hinged (front, rear)   | Front doors | Front  |
|   | Rear doors  | Front  |
| Type of finish (lacquer, enamel, other)                           |             | Acrylic lacquer  |
| Hood counterbalanced (yes, no)                                    |             | Yes  |
| Hood release control (internal, external)                         |             | External   |
| Vehicle (Serial) No. Location                                     |             | Left front body hinge pillar                                     |
| Engine No. Location   |             | 8-cyl - on top front of RH bank of cylinder and case             |
| Theft protection - type   |             | Shielded ignition lock terminals key removable in "OFF" position |
| Vent window control method (crank, friction pivot)                | Front       | Friction pivot   |
|   | Rear        | None   |
| Seat cushion type   | Front       | Formed wire and 1.75 foam rubber pad                             |
|   | Rear        | Formed wire and jute and 1.00 foam rubber pad                    |
|   | 3rd seat    | None   |
| Seat back type  | Front       | Formed wire and cotton   |
|   | Rear        | Formed wire and cotton   |
|   | 3rd seat    | None   |
| Windshield glass type (i.e., single curved - laminated plate)     |             | Curved, laminated  |
| Backlight glass type (i.e., round curved - tempered plate, piece) |             | Curved   |
|   |             | Plastic  |
| Side glass type (i.e., curved - tempered plate)                   |             | Curved   |
| Side glass exposed surface area                                   | 1395.6      | 1281.4   |
| Windshield glass exposed surface area                             | 1107.1      |  |
| Backlight glass exposed surface area                              | 897.7       | 786.2  |
| Total glass exposed surface area                                  | 3400.4      | 3174.7   |

## BODY - CONVENIENCE EQUIPMENT (Indicate whether standard, optional or NA on each series)

|  |                       |                                    |
|--|-----------------------|------------------------------------|
| Power windows                                      | Side Windows          | Optional                           |
|  | Vent Windows          | NA                                 |
|  | Backlight or tailgate | NA                                 |
| Power seats (specify type as well as availability) |                       | NA                                 |
| Reclining front seat back                          |                       | NA                                 |
| Front seat headrest                                |                       | NA                                 |
| Radios (specify type as well as availability)      |                       | AM-FM, Push Button Stereo          |
| Rear seat speaker                                  |                       | 1 - Standard                       |
| Power Antenna                                      |                       | NA                                 |
| Clock  |                       | Standard, Instrument panel mounted |
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