
GENERAL

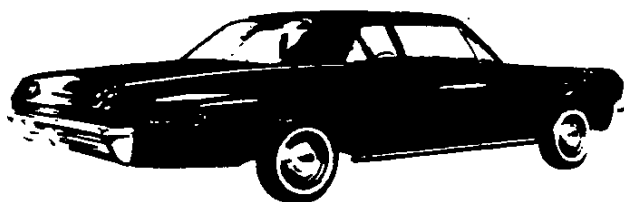


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MODEL IDENTIFICATION



153-15400 BISCAVNE SERIES



MODEL 153-15411 2-DOOR SEDAN, 6-PASSENGER
MODEL 153-15435 4-DOOR STATION WAGON, 2-Seat
MODEL 153-15469 4-DOOR SEDAN, 6-PASSENGER



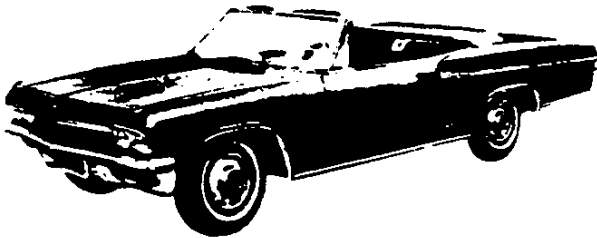
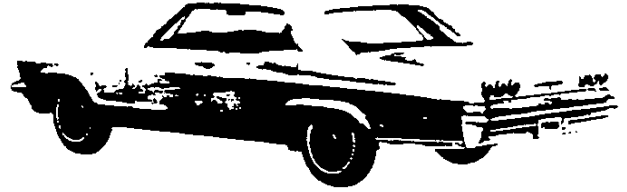
MODEL 155-15611 2-DOOR SEDAN, 6-PASSENGER
MODEL 155-15635 4-DOOR STATION WAGON, 2-Seat
MODEL 155-15645 4-DOOR STATION WAGON, 3-Seat
MODEL 155-15669 4-DOOR SEDAN, 6-PASSENGER

155-15600 BEL AIR SERIES



163-16400 IMPALA

- MODEL 163-16435 4-DOOR STATION WAGON, 2-SEAT
- MODEL 163-16437 2-DOOR SPORT COUPE, 5-PASSENGER
- MODEL 163-16439 4-DOOR SPORT SEDAN, 6-PASSENGER
- MODEL 163-16445 4-DOOR STATION WAGON, 3-SEAT
- MODEL 163-16467 2-DOOR CONVERTIBLE, 5-PASSENGER
- MODEL 163-16469 4-DOOR SEDAN, 6-PASSENGER



165-16600 IMPALA SUPER SPORT

- MODEL 165-16637 2-DOOR SPORT COUPE, 4-PASSENGER
- MODEL 165-16667 2-DOOR CONVERTIBLE, 4-PASSENGER



SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model	1965	Assembly Plant (Tarrytown)	Unit Number (25th unit)
15369	5	T	100025

Thus: The 25th model built at Tarrytown would be serial number 153695T100025

8-Cylinder Example:

Model	1965	Assembly Plant (Flint)	Unit Number (26th unit)
15469	5	F	100026

Thus: The 26th model built at Flint would be serial number 154695F100026

ASSEMBLY PLANTS

A - Atlanta	L - Los Angeles
C - Southgate	N - Norwood
D - Atlanta BOP	R - Arlington
F - Flint	S - St. Louis
G - Framingham	T - Tarrytown
J - Janesville	Y - Wilmington

Starting unit number ----- 100001 and up at each
assembly plant regardless of series
Location ----- Stamped on plate attached to
left front body hinge pillar



REAR AXLE IDENTIFICATION

Example: DA 0212 B

Type Designation	Production* Month & Date	Source & Designation
DA	0212	B

DA ----- 3-speed transmission
DB ----- Automatic transmission
DC ----- Overdrive transmission

● Location ----- Bottom left or right of axle tube
adjacent to carrier housing

* - Month: February, 02; 12th day of February, 12
c - G-Gear & Axle, B-Buffalo, W-Warren

ENGINE IDENTIFICATION

Example: F 1210 FA

Source Designation	Production* Month & Date	Type Designation
F (Flint)	1210	FA

230 Cubic Inch 6-Cylinder

FA - Regular production engine, 3-speed
FM - Regular engine, Powerglide

283 Cubic Inch 8-Cylinder

GA - Regular production engine, 3-speed
GF - Regular, Powerglide

327 Cubic Inch 8-Cylinder (RPO L30)

HA - Optional, 3 or 4-speed trans., 4-bbl. carb.
HC - Optional, Powerglide, 4-bbl. carb.

396 Cubic Inch 8-Cylinder (RPO L-78)

IA - Optional, 3 or 4-speed, large 4-bbl. carb.
spec. cam.
IG - Optional, Powerglide



6-cylinder



8-cylinder

Location:

6-cylinder engine ----- Stamped on pad on right
side of cylinder block to rear of distributor
8-cylinder engine ----- Stamped on pad at front
right side of cylinder block

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

REGULAR EQUIPMENT—EXTERIOR

Bright Metal Trim & Moldings	Stainless Steel	Back window reveal	All exc. conv. & station wagons
		Body belt - side	16000
		Body belt - rear	163-164-165-16667
		Door upper reveal	163-16435, 45, 69
		Roof drip gutter	All exc. 153-15400; 163-164-165-16667
		Roof reveal	163-16437, 39; 165-16637
		Rear quarter window reveal	163-16435, 45
		Tailgate window reveal - top and sides	155-156-163-16435, 45
		Tailgate window reveal - lower	163-16435, 45
		Windshield reveal	All
		Wheel trim covers	165-16600
		Windshield pillar	163-164-165-16667
		Windshield header	
		Body side	155-15600
	Body sill - narrow	15000	
	Body sill - wide (paint fill)	163-16400	
	Back-up lamp bezels	16000	
	Headlamp and taillamp bezels	All	
	Radiator grille and opening moldings		
	Rear quarter upper crown	153-15400	
	Rear quarter lower (paint fill)	163-16400	
	Rear cove reveal	155-15600	
	Rear cove reveal - brush insert	163-16400	
	Rear cove reveal - painted insert	165-16600	
	Wheel openings	16000	
	Deck lid or tailgate emblem	All	
	Front panel emblem		
	Front door vent glass channel and post		
	Front door vent glass frame	163-16437, 39, 67; 165-16600	
	Front fender series nameplate	165-16600	
	Front fender series nameplate and emblem	163-16400	
	Front fender engine emblem (V-8 only)	All	
	Hood windsplit	16000	
	Hub caps	All exc. 165-16600	
	Radiator grille nameplate - "Chevrolet"	165-16600	
	Radiator grille nameplate - "Impala SS"		
	Rear door or quarter glass channel - front	163-16437, 39, 67; 165-16600	
	Rear quarter series nameplate and emblem	15000 (nameplate only on 15400)	
	Rear cove nameplate - "Chevrolet"	All exc. 163-16400	
	Rear cove nameplate - "Impala SS"	165-16600	
	Control - electric rear window	155-156-163-16445	
	Control - manual rear window	153-154-155-156-163-16435	
Filler - left rear quarter gasoline	Station wagons		
Filler - rear bumper center concealed gasoline	All exc. wagons		
Lamp - rear license			
Wipers - dual electric single speed windshield	All		

REGULAR EQUIPMENT—INTERIOR

Bright Metal Trim & Moldings	Back window top and side	163-16437,39;165-16637
	Coat hooks (two)	All exc. convertible
	Console-floor center	165-16600
	Door and window control handles - single arm (bright knobs on 163-164-165-16600)	All
	Front bucket seat backrest	165-16600
	Front seat outer trim	163-16400
	Pedal pads	165-16600
	Rear view mirror back and support	16000
	Rear seat speaker grille	163-164-165-16637, 67
	Window control handles - black knob	15000
	Window control handles - chrome knob	16000
	Windshield top and side	163-16437,39;165-16637
	Roof side rail	
	Instrument Panel	Cigarette lighter and ash tray	All
Control knobs - chrome		
Convertible top switch		163-164-165-16667
Electric clock		163-16400
Glove box door nameplate		All exc. 153-15400
Glove box lock		
Ignition lock and starter switch - 4 position		All
Instrument cluster bright housing		
Lower trim - simulated wood grained		163-16400
Lower trim plate - brushed aluminum		165-16600
Parking brake alarm		16000
Rear window control switch		155-156-163-16445
Vacuum gauge		165-16600
Vent control knobs - color keyed		All
Interior Lights	Console courtesy	165-16600
	Glove box	All exc. 153-15400
	Instrument panel courtesy - dual	163-164-165-16637, 67
	Luggage compartment	16000 sedans, coupes
	Roof center dome	15000;163-16435,45,69
	Roof rear quarter dome - dual	163-164-165-16637
	Roof side dome - dual	163-16439
	Third seat	155-156-163-16445
Steering Wheel	Deep hub - dual solid spokes - horn ring	15000
	Deep hub - dual solid spokes - horn ring (2-tone)	16000
Armrests - front door		
Armrests with ashtrays - rear door or quarter panel	All	
Clock - electric (floor console)	165-16600	
Heater - deluxe		
Locking knobs - front and rear doors	All	
Mat - luggage or stowage compartment	153-15435;155-15600;16000	
Mirror - rear view (painted back and support)	15000	
Seat belts	All	
Seats - front bucket	165-16600	
Sunshades - dual	All	
Switches - front door jamb	155-15600;16000	
Switch - manual interior light (integral in headlamp switch)	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
Body, heavy duty	B01	153,15400
Carrier, roof luggage	V55	Station wagons
Comfort and Convenience	Lamp, glove box	153,15400
	Lamp, luggage compartment	15000 exc. wagons
	Lamp, back-up	15000
	Mirror, inside & outside rear view	All
	Wiper and washer, 2-speed w/s	
Mirror, remote control outside	Z13	
Cushion, foam rubber front seat	B50	153,15400
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
Heater, (delete)	C48	All
Horn, low "D" note	U03	
Lock, rear compartment	A96	2-Seat wagons
Lock, spare wheel	P19	
Pad, instrument panel	B70	All
Radio and antenna, AM-FM push button	U69	
Radio and antenna, manual tuning	U60	
Radio and antenna, push button tuning	U63	
Radio and stereo equipment	U79	
Roof covering, vinyl soft trim-exterior	C08	163,16437,39; 165-16637
● Seat belts, rear custom deluxe	A47	All
● Seat belts, custom deluxe (with retractors)	A49	
● Seat belts, rear custom	A64	
● Seat belts, (delete)	A62	
● Seat, split second (Fawn interiors only)	A66		Station wagons
● Seat, 4-way electrical driver bucket	A46	165-16600
● Seat, 6-way electrical front	A42	155,156,163,16400
● Sport sedan, special	Z18	16439
● Speaker, radio auxiliary	U80	All
Tachometer, instrument panel	U16	154,156,164,16600
Taxicab equipment	B02	153,15469
Top, folding convertible (optional colors)	C05	163,164,165,16667
Windows, electric	A31	155,156,16000
Window, electric tailgate	A33	2-Seat wagons
Wipers and washers, 2-speed windshield	C14	All

ENGINE OPTIONS

Air cleaner, oil bath	K45	153,155,163,16500
Carburetor, economy	Z05	15300
Clutch, heavy duty (11")	M01	153,155,163,16500
Exhaust, dual	N10	154,156,164,16600
Fan, thermomodulated clutch	K02	All
Generator, Delcotron 5-55 amp.	K77	
Generator, Delcotron 12-42 amp.	K79	
Generator, Delcotron 23-62 amp.	K81	
Radiator, heavy-duty	V01	
Regulator and ignition, transistor	K66	154,156,164,16600
Ventilation, engine positive closed	K24	All
327 cubic inch V8 250 HP	L30	154,156,164,16600
● 396 cubic inch V8 325 HP	L35	
● 396 cubic inch V8 425 HP	L78	
● Carburetor, 4-barrel	L77	

REGULAR PRODUCTION OPTIONS—CONT'D

CHASSIS OPTIONS

Name	Number	Models	
Axle, rear (3.31:1 ratio)	G94	153,15469	
Axle, rear (3.55:1 ratio)	G96	All exc. 6-cyl wagons	
Axle, rear (3.36:1 ratio)	G76	150,16300 exc. wagon & conv.	
Axle, rear limited slip (3.07,3.08,3.31,3.36,3.55,3.70,3.73,4.10,4.56,4.88)	G80	All	
Battery, heavy-duty	T60		
Brakes, vacuum power	J50		
Brakes, metallic	J65		
Chassis, heavy-duty	Z04		153,15400
Cover, wheel trim	P01		All exc. 165,16600
Cover, simulated wire wheel	P02		All
Shock absorber, rear air lift	G66		
Shock absorber, rear level control	G67		Station wagons
Springs, heavy duty front	F60		
Steering, power	N40	All	
Steering wheel, tilt type	N33		
Steering wheel, wood grained plastic	N34		
Suspension, special front and rear	F40		All
Tires	7.75 x 15 - 4 pr blackwall nylon	P91	150,163,16400 exc. wagons
	7.75 x 15 - 4 pr blackwall nylon - tube	P95	
	7.75 x 15 - 4 pr blackwall rayon	P90	
	7.75 x 15 - 4 pr blackwall rayon - tube	P93	
	7.75 x 15 - 4 pr blackwall nylon - tube	P97	
	7.75 x 15 - 8 pr blackwall rayon	T25	150,163,16400 exc. wagons
	7.75 x 15 - 8 pr blackwall rayon - tube	T27	153,15469
	7.35 x 14 - 4 pr whitewall rayon	P58	All exc. wagons, conv.
	7.35 x 14 - 4 pr blackwall nylon	P70	
	8.15 x 15 - 4 pr blackwall rayon	Q04	All exc. wagons, 165,16600
	8.15 x 15 - 4 pr blackwall nylon	Q05	
	7.75 x 14 - 4 pr blackwall nylon	P60	All exc. wagons
	7.75 x 14 - 4 pr whitewall nylon	P61	
	7.75 x 14 - 4 pr blackwall rayon	P65	All exc. wagons & conv.
	7.75 x 14 - 4 pr whitewall rayon	P62	All exc. wagons
	7.75 x 14 - 8 pr blackwall rayon	T14	All exc. wagons
	8.25 x 14 - 4 pr blackwall rayon	P75	All exc. wagons
	8.25 x 14 - 4 pr whitewall rayon	P77	All
	8.25 x 14 - 4 pr blackwall nylon	P76	
8.25 x 14 - 8 pr blackwall nylon	T18	All	
8.25 x 14 - 8 pr whitewall nylon	T19		
Wheels, 14 x 6.00JK	P12	All exc. wagons	

TRANSMISSION OPTIONS

Three speed transmission, heavy duty	M13	154,156,164,16600
Three speed automatic	M40	
Four speed transmission	M20	
Four speed close ratio transmission	M21	
Four speed heavy duty	M22	
Overdrive transmission	M10		All
Powerglide transmission	M35	

DEALER INSTALLED ACCESSORIES

Air conditioning, recirculating air (Custom)	All
Air deflector, rear window	Station wagons
Antenna, radio front manual	All
Antenna, radio rear manual	All except wagons
Brake, vacuum power	All
Cap, gas tank filler locking	
Carrier, roof luggage	Station wagons
Clock, instrument panel	
Clock, universal (instr. pnl. top mount.)	15000
Compass, auto	All
Container, floor litter (saddle type)	All except floor shift transmission
Control, automatic headlamp beam	All
Cover, roof luggage carrier	Station wagons
Cover, simulated wire wheel trim	All
Cover, simulated magnesium wheel trim	All
Cover, spare tire	Sedans and coupes exc. with 8.25 x 14 tires
Cover, wheel trim	All except SS
Cruise control	All
Defogger, rear window	All except convertible and wagons
Fan and thermomodulated clutch	154-156-164-16600
Fire extinguisher, 5 pound dry chemical	
Frame, license plate	All
Guard, door edge	
Guard, front bumper	
Guard, gas tank filler door	Station wagons
Guard, rear body splash	
Guard, rear bumper	All except wagons
Horn, low "D" note	All
Lamp, ash tray	
Lamp, back up	15000
Lamp, courtesy	All except sport models
Lamp, glove box	153-15400
Lamp, luggage compartment (Sedans)	
Lamp, parking brake alarm	15000
Lamp, portable spot	
Lamp, remote control spot	All
Lamp, underhood	
Lock, rear compartment	2-seat wagons
Lock, rear door safety	All four door
Lock release, luggage compartment remote	All except wagons
Lock, spare wheel	All
Luggage carrier, deck lid	All except wagons
Mat, contour twin front floor	
Mat, contour twin rear floor	All
Mat, full width front floor	All except SS
Mat, full width rear floor	All
Mat, rear compartment floor	Station wagons
Mirror, inside rear view prismatic	
Mirror, outside rear view	All
Mirror, remote operated outside rear view	
Mirror, visor vanity	All except convertible
Molding, hood crown	15000
Moldings, wheel opening	
Pedal units, Deluxe chrome trim	All except SS
Radiator insect screen	
Radio and antenna, AM-FM push button tuning	
Radio and antenna, manual tuning	All
Radio and antenna, push button tuning	
Radio speaker, rear auxiliary	
Radio stereo equipment	
Rain deflector	All except sport models
Seat belts, Custom Deluxe	
Seat belts, Custom rear	
Seat belt retractor	All
Shock absorber, rear level control	
Switch, traffic hazard lamp	
Tachometer, instrument panel mounted	All except SS
Tissue dispenser (saddle type)	
Tissue dispenser, instrument panel	
Tool kit	All
Trailer hitch, 2000 pound capacity	
Windshield washer, single speed wiper	
Wiring harness, car to trailer connecting	

TAXI-CAB EQUIPMENT-RPO B02

Model Application: 4-Door Sedan, 15369, 15469

BODY (RPO B02)

INTERIOR TRIM

Standard ----- Cloth/vinyl; fawn, aqua, red
Optional ----- All vinyl; medium fawn (RPO 865)

WINDLACE ----- Vinyl coated with extra
tacking strips over doors; retained with long tacks

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 ----- Similar to production
except main spring is heavy duty 9-gauge spring
design; addition of 1 helical tie wire assembly and 6
stabilizer wires. Firm jute pad replaces cotton pad
used in production.

Seat cushions, rear ----- Similar to production
with addition of 4 helical tie wire assemblies. Front
corner side facings have 22 running inches of burlap
and cotton batt.

Seat backs, front ----- Same as production
with addition of 5 helical tie wire assemblies.

Seat backs, rear ----- 12 "M" springs
anchored to seat frame, rather than 4 main spring
anchored "Z" springs used in production. Addition
of 2 helical tie wire assemblies.

FRAME (RPO B02)

FRAME

Type ----- Production frame
reinforced in critical areas: front upper control arm
brackets, steering gear attachment, spring seat; ex-
tensive use of heavier gauge steel.

SUSPENSION (RPO B02)

SPRINGS

Front and rear ----- Heavy duty

SHOCK ABSORBERS

Front and rear ----- Heavy duty

SPHERICAL JOINTS

Front ----- Metal lined

AXLE

Type ----- 4-link 3.07 ratio
Cadmium plated flange plate attaching plates are used
on 3.07 and 3.31 ratio axles.

BRAKES (RPO B02)

BRAKES

Type ----- Heavy duty linings;
thick front brake drum webs; high temperature brake
shoe pull back springs.

ENGINE (RPO B02)

6-CYLINDER MODELS

Compression rings ----- Special chrome top
Oil ring rails ----- Special chrome
Crankcase vent valve ----- Take-apart type
Flywheel (3-speed manual) ----- Large diameter, with
14" starter gear for increased starting torque and higher
reliability. (Base starting gear diameter is 12.75")
Clutch ----- Heavy duty, 11" diameter
(Base clutch diameter is 9.12")
Starting motor ----- Plastic sealant
around mounting area to prevent dirt and water from
entering pinion and pinion clutch area.
Carburetor ----- Low air capacity, 1-1/16"
venturi, economy type
Water pump ----- Special ceramic rotor seat
for improved durability

TRANSMISSION (RPO B02)

6-CYLINDER WITH V-8 3-SPD MANUAL TRANSMISSION
Transmission components ---- Needle bearing reverse
idler; heavy duty clutch gear bearing (12 balls instead
of 9).

6-CYLINDER WITH POWERGLIDE

Transmission components ----- Water cooled, large
converter (11.75" instead of 11"); high capacity clutch
(5 driven plates instead of 3); converter drain plug.

WHEELS AND TIRES (RPO B02)

STEERING

Relay rod ----- Special long mileage front seals

WHEELS AND TIRES

Wheel size ----- 15 x 5K
Tire size ----- 7.75 x 15-4PR

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 (with 6-cylinder Powerglide) ----- High cooling
capacity with 2-plate transmission oil cooler.

HEAVY DUTY CHASSIS AND BODY EQUIPMENT

MODEL APPLICATION:

2-Door Sedan, 15311, 15411
4-Door Sedan, 15369, 15469
Station Wagon, 15335, 15435

BODY (B01)

INTERIOR TRIM

Standard (sedans) ----- Cloth/vinyl; fawn, aqua, red
Optional (sedans) ----- All vinyl; medium fawn
only (RPO 865)
Standard (station wagon) ----- All vinyl; fawn, aqua, red

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
Sedans and station wagons ----- Similar to production
except main spring is heavy duty 9-gauge spring
design; addition of 1 helical tie wire assembly and
6 stabilizer wires. Firm jute pad replaces cotton
pad used in production.
Seat cushions, rear
Sedans ----- Similar to production
with addition of 4 helical tie wire assemblies. Front
corner side facings have 22 running inches of burlap
and cotton batt.
Seat backs, front
Sedans and station wagons ----- Same as production
with addition of 5 helical tie wire assemblies.
Seat backs, rear
Sedans ----- 12 "M" springs
anchored to seat frame rather than 4 main springs
anchored "Z" springs used in production. Addition
of 2 helical tie wire assemblies.

SUSPENSION (RPO Z04)

SPRINGS

Front and rear ----- Heavy duty

SHOCK ABSORBERS

Front and rear ----- Heavy duty

SPHERICAL JOINTS

Front ----- Metal lined

AXLE

Type ----- 4-link; 3.55 ratio
(L-6 wagons); 3.31 ratio (L-6 sedans, V-8 sedans
and wagons); 3.07 ratio (RPO L-30 with Powerglide).

STABILIZER BAR

Front ----- Regular equipment on
V-8; provided on L-6

BRAKES (RPO Z04)

BRAKES

Type ----- Heavy duty linings;
thick front brake drum webs; high temperature brake
shoe pull back springs.

ENGINE (RPO Z04)

CLUTCH

Type ----- 3-speed models (with
standard 283 cubic inch V-8) use heavy duty 10.4"
diameter driven plate instead of 10".

TRANSMISSION (RPO Z04)

6-CYLINDER WITH V-8 3-SPEED MANUAL TRANSMISSION
Transmission components ----- Needle bearing
reverse idler; heavy duty clutch gear bearing (12
balls instead of 9).

6-CYLINDER WITH POWERGLIDE

Transmission components ----- Water cooled; large
converter (11.75" instead of 11"); high capacity clutch
(5 driven plates instead of 3); converter drain plug.

POWERGLIDE WITH RPO L30

Components ----- L-74 transmission used.
Identical to transmission normally used with L30 except
governor is changed to provide higher upshift speed.

ELECTRICAL (RPO Z04)

STORAGE BATTERY

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

RADIATOR (RPO Z04)

RADIATOR

Type (with 6-cylinder Powerglide) ----- High cooling
capacity with 2-plate transmission oil cooler.

CAPRICE SPORT SEDAN EQUIPMENT—RPO Z18

Model Application:

16439 Sport Sedan 6-Passenger (V-8 Model only)

SPECIFICATIONS OTHER THAN SHOWN ARE REGULAR PRODUCTION

Caprice

BODY EQUIPMENT

INTERIOR STYLING

Trim colors ----- Light Fawn, Medium Blue,
and Black
Seat trim ----- Cloth/vinyl, foam cushion
and back rest pads
Door trim ----- Cloth/vinyl, carpet and
genuine wood accents
Cowl kick panels ----- Carpeted
Headlining and sunshades trim ----- Special
cord pattern vinyl
Other styling features ----- Rear seat center armrest,
roof rear sail area and instrument panel
courtesy lamps, steering wheel hub insert
and wood-grain panels on horn ring bars,
bright door lock buttons, bright shift lever
and turn signal lever knobs, bright foot
pedal moldings, woven board on rear
package shelf, glove box door emblem,
luggage compartment side trim panels,
rear door jamb switches, instrument panel
high luster paint.

EXTERIOR STYLING

Front fender nameplate ----- Bright
"Caprice" script
Hood and deck lid emblems ----- Brushed
bright plastic inserts
Wheel trim covers ----- "Super Sport"
type with "bow-tie" center inserts
Other styling features ----- Slender rocker panel
moldings, Caprice emblems on roof rear
sail panels, Super Sport type body rear
trim molding with "Caprice" by Chev-
rolet nameplate, Super Sport type radiator
grille, color-keyed body side paint stripe,
black, beige, or dark blue extra coat vinyl
roof option.

BODY CONSTRUCTION

Description ----- Full length
rocker panel reinforcements, reinforced
body cross bar for stabilized front seat
mounting, front fender and cowl anti-noise
seal, increased density rubber covering
for front dash mat.

CHASSIS EQUIPMENT

FRAME

Description ----- Heavier gauge steel
inner and outer side rails and rear spring
bottom plate. Addition of bulkhead rein-
forcements: two (LH & RH) at the 63" line
and two (LH & RH) just rear of number 2
body mount. New body mounts to comple-
ment stiffer body and frame.

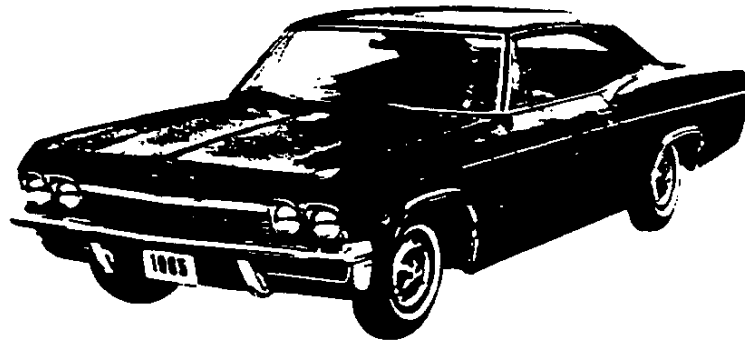
FRONT SUSPENSION

Shock absorbers ----- New valving with
softer upper mounting bushings
Front springs ----- 290 lb/in deflection rate,
1770 @ 11.76 design load,
141.1 length x .636 dia.

REAR SUSPENSION

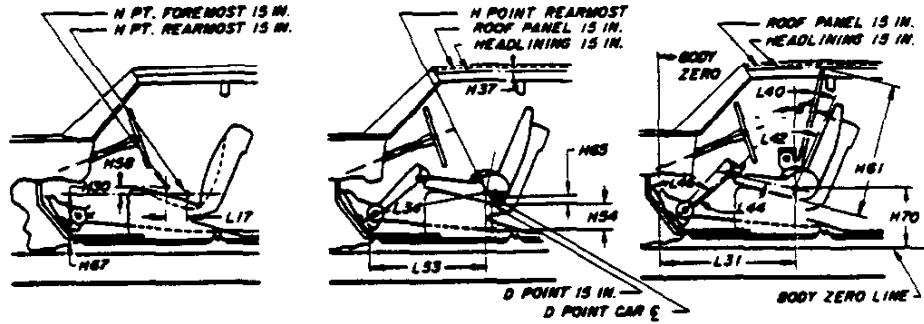
Shock absorbers ----- New valving with
softer rubber upper mounting bushings
Rear springs ----- 315 lb/in. deflection rate,
1050 @ 12.37 design load,
113.9 length x .623 dia.

DIMENSIONS AND WEIGHTS

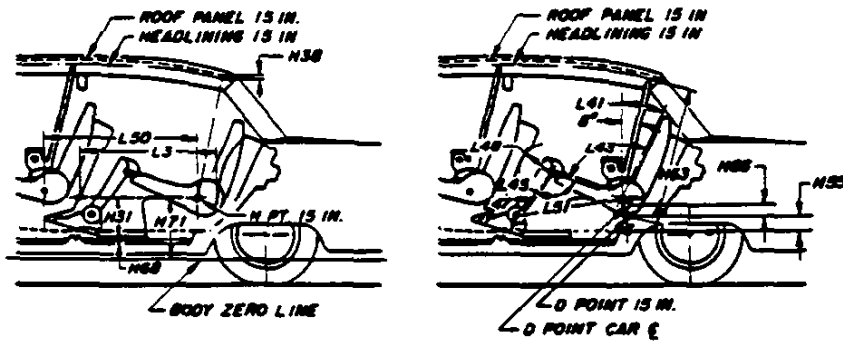


INTERIOR DIMENSIONS	2
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STATION WAGON THIRD SEAT DIMENSIONS	6
STATION WAGON CARGO AND SEDAN TRUNK SPACE ...	7
VEHICLE WEIGHTS	8

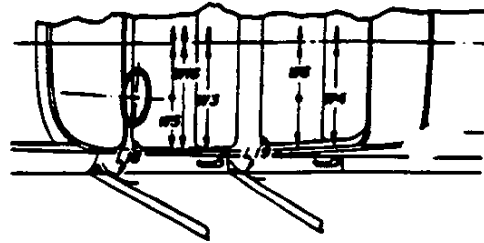
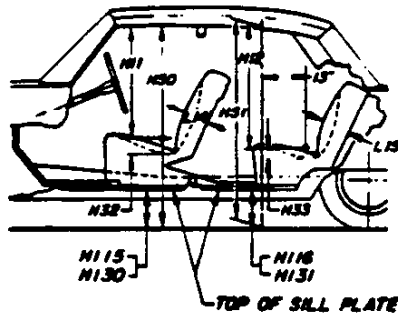
INTERIOR DIMENSIONS



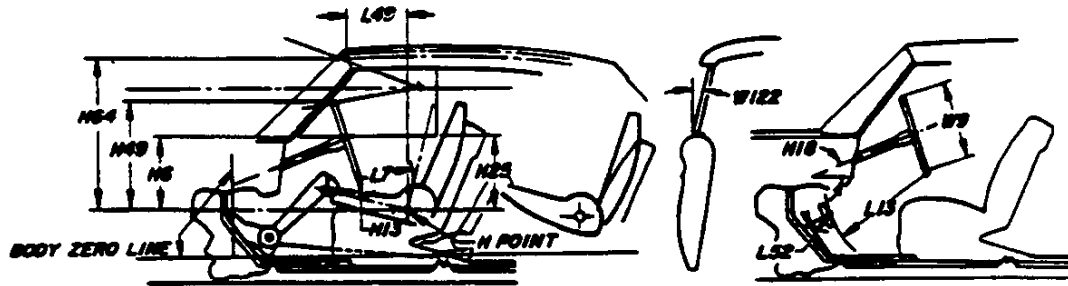
CODE	DESCRIPTION	Sedans		Sport	Sport Coupe		Convertible		Station Wagons		
		2-Dr.	4-Dr.	Sedan	16437	16637	16467	16667	2-Seat	3-Seat	
L31	Body zero line to H point	42.3		42.4	42.2		42.3				
H5	H point to ground										
H61	Effective head room	39.1		38.1	38.2	38.0	38.8	38.6	39.3	39.1	
H37	Headlining to roof height			.6	---		---		.8		
L34	Maximum effective leg room - accelerator	42.2		42.0				42.2			
H30	H point to heel point	9.0		9.2	9.4	9.2	9.4	9.2			
H67	Depressed floor covering thickness	.3									
L40	Back angle	25°			24°	25°	24°	25°			
L42	Hip angle	99°			98°	97°	98°	99°			
L44	Knee angle	131°			130°	129°		131°			
L46	Foot angle	87°		90°	89°	88°		87°			
H65	H point differential, side to center	.6		.7	.5	---		.5		.6	
H54	H point to tunnel	2.1		2.3	2.2	---		2.2		2.1	
L53	H point to accelerator floor point	34.5		34.2	34.2	34.0		34.5			
L17	H point travel	4.8									
H58	H point rise	.7		.8	.6	.8	.6	.8			



CODE	DESCRIPTION	Sedans		Sport	Sport Coupe		Convertible		Station Wagons		
		2-Dr.	4-Dr.	Sedan	16437	16637	16467	16667	2-Seat	3-Seat	
L50	H point couple distance	36.2		35.8	33.1	33.3		35.2			
H10	H point to ground										
H63	Effective head room	37.8		37.3	37.2	37.8		39.1			
H38	Headlining to roof height			.7	---		---		.8		
L51	Minimum effective leg room	38.9	39.5	38.6	34.9	36.0	34.9	36.0	38.3	37.8	
H31	H point to heel point	12.0		10.9	10.7				11.9		
H68	Depressed floor covering thickness	.4			.8				.4		
L48	Minimum knee room	3.7			3.5	4.1	3.5	4.1	4.8		
L3	Rear compartment room	28.9		28.7	26.6	27.2	26.2	26.7	28.7		
L41	Back angle	24°		18°		23°					
L43	Hip angle	93°	95°	90°	83°	85°	77°	79°	90°		
L45	Knee angle	110°	113°	108°	90°	95°	90°	95°	106°		
L47	Foot angle	118°		111°	110°	111°	110°	114°			
H66	H point differential, side to center	.5		1.1				.5			
H55	H point to tunnel	1.5		1.3	1.0		1.5				

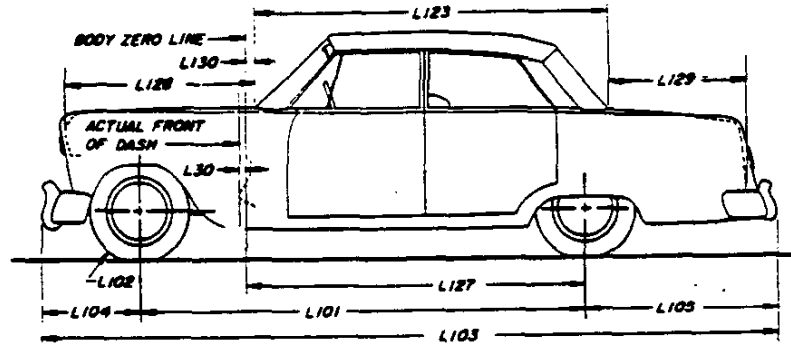


SEAT AND ENTRANCE	CODE	DESCRIPTION	Sedans		Sport	Sport Coupe	Convertible	Station Wagons		
			2-Dr.	4-Dr.	Sedan	16437	16637	16467	16667	2-Seat
FRONT	W1	Hat room	59.7		59.5	59.4	59.2		59.6	
	W3	Shoulder room	62.3			62.4			62.3	
	W5	Hip room	63.8		63.6	63.5	63.6	63.5	63.6	
	W16	Seat width				24.8		24.8		
	H3	Seat chair height	11.4		11.6	12.0	11.6	12.0	11.4	
	H50	Upper body opening to ground	44.4		41.4	44.1			44.4	
	H11	Entrance height	30.4		29.9	29.7	29.9	29.7	30.4	
	L18	Entrance - foot clearance				14.9	15.2	14.9	15.2	
	H32	Seat cushion deflection	4.4		4.5	4.4	4.1	4.5	4.1	
	L14	Thickest point of seat back, at C/LO	7.0		7.3	6.4	7.3	6.4	7.0	
	H26	Interior body height - at car C/L	41.0		40.1	40.2	---	40.7	---	
	H27	Interior body height - at C/LO	44.9		44.1	44.2	44.0	44.2	44.1	
	REAR	W2	Hat room	54.4		55.7	55.5		59.2	56.9
		W4	Shoulder room	60.7		61.4	60.9		53.1	61.6
W6		Hip room	62.2		62.8	63.0		55.4	62.9	
H8		Seat chair height	14.0		14.3		13.2		14.1	
H51		Upper body opening to ground	---	44.2	43.5	---	---	---	44.3	
H12		Entrance height	---	30.0		---	---	---	30.2	
H69		Exit height	---	28.8	29.3	---	---	---	30.0	
L19		Entrance - foot clearance	11.6		12.3	9.6	9.9	9.6	9.8	
H33		Seat cushion deflection	3.5		5.0		4.1		4.5	
L15		Thickest point of seat back, at C/LO		7.3		7.2		7.3	6.0	
H28		Interior body height - at car C/L	39.8		38.4	38.3		38.8	41.7	
H29		Interior body height - at car C/LO	43.3		42.1	41.6		41.4	44.7	

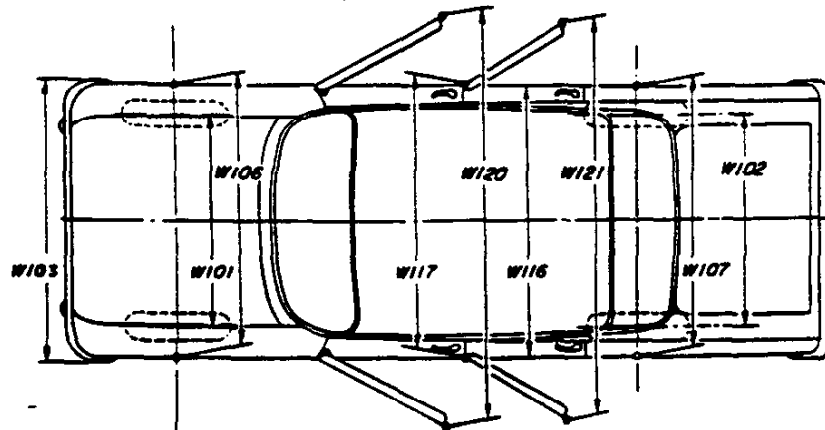


VISION CONTROL	CODE	DESCRIPTION	Sedans		Sport	Sport Coupe	Convertible	Station Wagons	
			2-Dr.	4-Dr.	Sedan	16437	16637	16467	16667	2-Seat	3-Seat
CONTROL	H6	H point to windshield bottom	18.8		18.7	18.6	18.5	18.6	18.5
	H64	H point to windshield upper DLO	31.8		30.8	30.7	30.6	30.7	30.5
	L49	H point to windshield upper DLO	13.4		14.6		14.4	14.2	13.4
	H25	Belt height - front	17.3		17.1	16.9	17.1	16.9	17.3
	W7	Steering wheel center to C/L of car					16.0		
	W9	Steering wheel outside diameter					16.5		
	H18	Steering column angle - horizontal					25°		
	H49	H point to top of steering wheel	23.0			22.0	22.1	22.0	22.4
	L7	Steering wheel torso clearance	11.7		11.6		11.3		11.7
	H13	Steering wheel thigh clearance	4.2		4.0		3.8	3.9	3.8
	L52	Brake pedal to accelerator					4.3		
	W122	Tumble - home					21°		

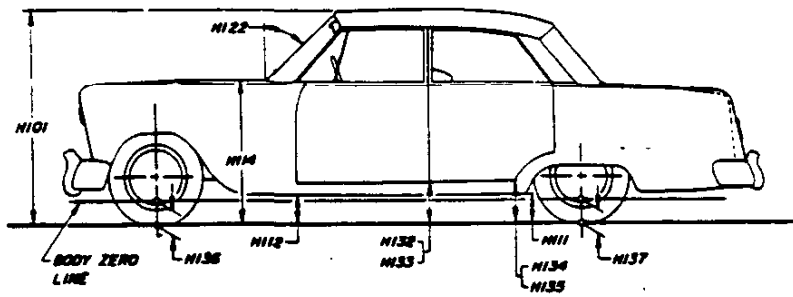
EXTERIOR DIMENSIONS



CODE	DESCRIPTION	Sedans		Sport Sedan	Sport Coupe	Convertible	Station Wagons
		2-Dr.	4-Dr.				
L30	Body O line to actual front of dash				.5		
L101	Wheelbase				119.0		
L104	Overhang, front				35.0		
L105	Overhang, rear			59.1			59.3
L103	Overall length			213.1			213.3
L128	Hood length at centerline				55.4		
L123	Body upper structure length at car C	106.5			115.5	107.1	142.6
L129	Deck length at centerline	45.3			36.3	44.7	---
L127	Body O line at C of rear wheels				100.0		
L130	Body O line to windshield cowl point				5.5		
L102	Tire size (standard)			7.35 x 14		7.75 x 14	8.25 x 14
LC103	Overall length - less bumpers			210.0			209.4

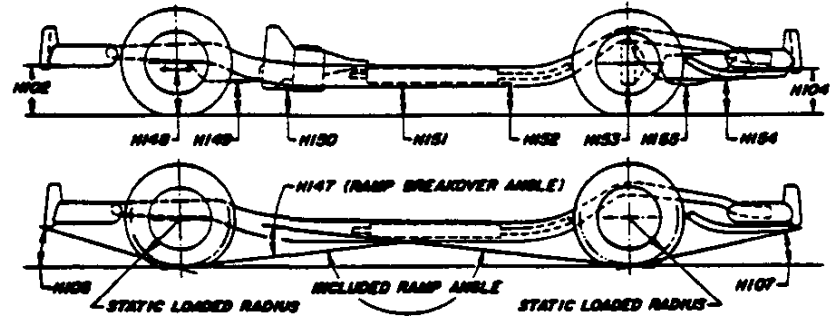


CODE	DESCRIPTION	Sedans		Sport Sedan	Sport Coupe	Convertible	Station Wagons
		2-Dr.	4-Dr.				
W101	Tread - front			62.5			63.5
W102	Tread - rear			62.4			63.4
W103	Maximum overall width of car				79.6		
W116	Maximum overall width of body				79.6		
W117	Maximum body width at #2 pillar	---	77.2	---	---	---	77.2
W106	Front fender overall width						
W107	Rear fender overall width				79.6		
W120	Maximum overall width, front doors open	104.1	143.3		163.8		143.3
W121	Maximum overall width, rear doors open	---	143.8	---	---	---	143.8



CODE	DESCRIPTION	Sedans		Sport	Sport	Convertible	Station Wagons
		2-Dr.	4-Dr.	Sedan	Coupe		
H101	Overall Height (Design)	55.4		54.5	54.1	55.1	55.4
H114	Hood at rear to ground			38.6			38.9
H112	Rocker panel to ground - front			8.5			9.5
H111	Rocker panel to ground - rear			7.5			9.0
H115	Step height - front (Design)			11.3			12.3
H116	Step height - rear (Design)	---	11.5	---			12.9
H130	Step height - front (Curb)			11.3			12.3
H131	Step height - rear (Curb)	---	13.7	---			14.7
H132	Bottom of door to ground, open-front	12.1	11.9	12.1			12.2
H133	Bottom of door to ground, closed-front	11.1	11.2	11.1			11.5
H134	Bottom of door to ground, open-rear	---	11.0	---			11.5
H135	Bottom of door to ground, closed-rear	---	11.0	---			11.3
H102	Front bumper to ground					12.8	
H104	Rear bumper to ground			14.1			11.0
H122	Windshield slope angle					54°	
H136	Body O line to ground-front			6.0			6.7
H137	Body O line to ground-rear			4.6			6.3
H125	Headlamp to ground			26.5			
H126	Taillamp to ground			29.3			30.9
H156	Roof thickness	5.3	4.5	4.6		---	5.7
H159	DLO height			13.4			
H160	Body thickness	28.6				28.2	
H301	Lift over height			24.6			23.8
H10101	Overall height (Curb)	57.5		56.8	56.3	57.3	57.1

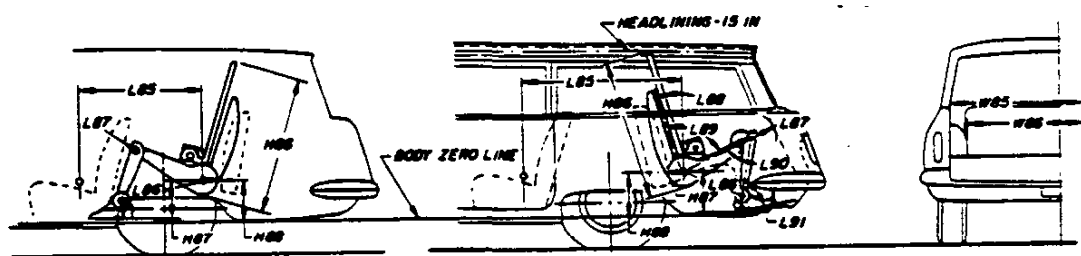
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CODE	DESCRIPTION	Sedans		Sport	Sport	Convertible	Station Wagons
		2-Dr.	4-Dr.	Sedan	Coupe		
H106	Angle of approach			29°			30°
H107	Angle of departure			13°			14°
H147	Ramp breakover angle			13°			16°
H148	Front suspension to ground			6.9			7.6
H149	Oil pan to ground			6.7			7.1
H150	Flywheel housing to ground			6.6			7.2
H151	Frame to ground			7.0			7.6
H152	Exhaust system to ground			5.3			6.8
H153	Rear axle to ground		6.7				7.1
H154	Fuel tank to ground				6.3		
H155	Tire well to ground			---			8.0
H156	Minimum ground clearance			5.3			6.8

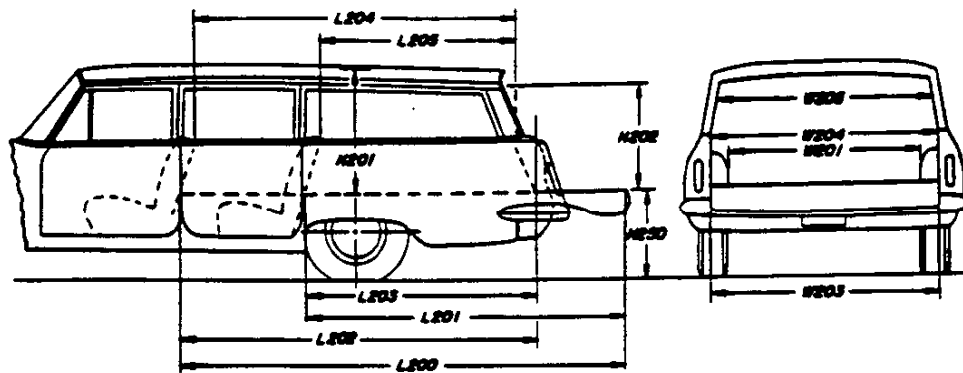
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STATION WAGON THIRD SEAT



THIRD SEAT	CODE	DESCRIPTION	15645	16445
	W85	Shoulder room		48.6
W86	Hip room		49.4	
L85	H point couple distance		40.9	
H85	H point to ground		22.2	
H86	Effective head room		36.3	
L86	Effective leg room		33.3	
H87	H point to heel point		12.6	
H88	H point to body O			
L87	Knee room		12.9	
L88	Back angle		25°	
L89	Hip angle		87°	
L90	Knee angle		83°	
L91	Foot angle		109°	

STATION WAGON CARGO AND SEDAN TRUNK SPACE



CARGO DIMENSIONS

CODE	DESCRIPTION	2-Seat	3-Seat
		154-156-16435	156-16445
L200	Maximum cargo length - front seat		122.8
L201	Maximum cargo length - second seat		88.8
L202	Cargo length at floor - front seat		96.0
L203	Cargo length at floor - second seat		62.0
L204	Cargo length at belt - front seat		86.0
L205	Cargo length at belt - second seat		49.9
L206	Cargo length at roof - front seat		73.0
L207	Cargo length at roof - second seat		36.9
W200	Cargo width - front		63.2
W201	Cargo width - wheelhouse		49.7
W203	Rear opening width at floor		52.4
W204	Opening width at belt		52.4
W205	Maximum rear opening width above belt		52.4
H201	Maximum cargo height		30.7
H202	Rear opening height		28.8
H250	Tailgate to ground height		23.8

CARGO CAPACITIES (CU. FT.)

15435	2-Seat Wagon	Rear seat folded	106.1 (inc. 12.0 for hidden compt.)
15635		Rear seat erect	54.6
16435			
15645	3-Seat Wagon	Rear and third seat folded	94.1 (plus 7.2 for hidden compt.)
16445		Rear seat erect and third seat folded	54.6
		Rear and third seat erect	5.7

TRUNK CAPACITIES (CU. FT.)

Model	Overall		Standard Luggage
Sedans and Coupes	28.7		17.7
Convertibles	Top up	28.7	17.7
	Top down	28.2	

VEHICLE WEIGHTS

153-15400 BISCAYNE

VEHICLE TYPE		SHIPPING WEIGHT			CURB WEIGHT			DESIGN WEIGHT C		
Model	Description	Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
15311	2-Door Sedan 6-cylinder	1720	1585	3305	1720	1730	3450	1945	2255	4200
15311P		1730	1590	3320	1730	1735	3465	1955	2260	4215
15411	2-Door Sedan 8-cylinder	1830	1625	3455	1840	1770	3610	2065	2295	4360
15411P		1845	1630	3475	1855	1775	3630	2080	2300	4380
15335	4-Door Station Wagon 6-cylinder	1695	2070	3765	1685	2250	3935	1910	2775	4685
15335P		1705	2075	3780	1695	2255	3950	1920	2780	4700
15435	4-Door Station Wagon 8-cylinder	1795	2105	3900	1795	2285	4080	2020	2810	4830
15435P		1805	2115	3920	1805	2295	4100	2030	2820	4850
15369	4-Door Sedan 6-cylinder	1750	1615	3365	1750	1760	3510	1975	2285	4260
15369P		1765	1620	3385	1765	1765	3530	1990	2290	4280
15469	4-Door Sedan 8-cylinder	1865	1650	3515	1875	1800	3675	2100	2325	4425
15469P		1875	1650	3535	1885	1805	3690	2110	2330	4440

155-15600 BEL AIR

15511	2-Door Sedan 6-cylinder	1720	1590	3310	1720	1735	3455	1945	2260	4205
15511P		1735	1595	3330	1735	1740	3475	1960	2265	4225
15611	2-Door Sedan 8-cylinder	1835	1625	3460	1845	1775	3620	2070	2300	4370
15611P		1845	1635	3480	1855	1780	3635	2080	2305	4385
15535	4-Door Station Wagon 6-cylinder	1695	2070	3765	1685	2250	3935	1910	2775	4685
15535P		1710	2075	3785	1700	2255	3955	1925	2780	4705
15635	4-Door Station Wagon 8-cylinder	1795	2110	3905	1795	2290	4085	2020	2815	4835
15635P		1810	2115	3925	1810	2295	4105	2035	2820	4855
15545	4-Door Station Wagon 6-cylinder *	1675	2135	3810	1665	2315	3980	1925	3255	5180
15545P		1690	2135	3825	1680	2320	4000	2935	3260	5195
15645	4-Door Station Wagon 8-cylinder *	1775	2170	3950	1775	2355	4130	2035	3295	5330
15645P		1790	2180	3970	1790	2360	4150	2045	3300	5345
15569	4-Door Sedan 6-cylinder	1760	1620	3380	1760	1765	3525	1985	2290	4275
15569P		1775	1625	3400	1770	1770	3540	1995	2295	4290
15669	4-Door Sedan 8-cylinder	1870	1660	3530	1880	1805	3685	2105	2330	4435
15669P		1885	1665	3550	1895	1810	3705	2120	2335	4455

165-16600 IMPALA SUPER SPORT

VEHICLE TYPE		SHIPPING WEIGHT			CURB WEIGHT			DESIGN WEIGHT †		
Model	Description	Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
16537	2-Door Sport Coupe 6-cylinder	1785	1650	3435	1785	1795	3580	1990	2190	4180
16537P		1800	1655	3455	1800	1800	3600	2005	2195	4200
16637	2-Door Sport Coupe 8-cylinder	1895	1680	3575	1905	1825	3730	2105	2220	4325
16637P		1910	1685	3595	1920	1830	3750	2125	2225	4350
16567	2-Door Convertible 6-cylinder	1825	1680	3505	1825	1830	3655	2025	2225	4250
16567P		1840	1690	3530	1840	1835	3675	2040	2230	4270
16667	2-Door Convertible 8-cylinder	1930	1715	3645	1940	1860	3800	2145	2255	4400
16667P		1950	1720	3670	1960	1865	3825	2160	2265	4425

163-16400 IMPALA

16335	4-Door Station Wagon 6-cylinder	1720	2105	3825	1710	2285	3995	1935	2810	4745
16335P		1735	2110	3845	1725	2290	4015	1950	2815	4765
16435	4-Door Station Wagon 8-cylinder	1820	2140	3960	1820	2320	4140	2045	2845	4890
16435P		1835	2145	3980	1835	2325	4160	2060	2850	4910
16339	4-Door Sport Sedan 6-cylinder	1815	1675	3490	1815	1820	3635	2040	2345	4385
16339P		1830	1680	3510	1830	1825	3655	2055	2350	4405
16439	4-Door Sport Sedan 8-cylinder	1925	1705	3630	1935	1850	3785	2160	2375	4535
16439P		1935	1710	3645	1945	1855	3800	2170	2380	4550
16345	4-Door Station Wagon 6-cylinder *	1700	2165	3865	1690	2345	4035	1945	3290	5235
16345P		1715	2170	3885	1705	2350	4055	1960	3295	5255
16445	4-Door Station Wagon 8-cylinder *	1800	2205	4005	1800	2385	4185	2060	3325	5385
16445P		1815	2210	4025	1815	2390	4205	2070	3335	5405
16337	2-Door Sport Coupe 6-cylinder	1760	1625	3385	1760	1770	3530	2035	2245	4280
16337P		1775	1630	3405	1775	1775	3550	2050	2250	4300
16437	2-Door Sport Coupe 8-cylinder	1870	1655	3525	1880	1800	3680	2155	2275	4430
16437P		1880	1660	3540	1890	1810	3700	2165	2280	4445
16367	2-Door Convertible 6-cylinder	1805	1665	3470	1805	1810	3615	2080	2285	4365
16367P		1815	1670	3485	1815	1815	3630	2095	2290	4385
16467	2-Door Convertible 8-cylinder	1910	1695	3605	1925	1840	3765	2200	2315	4515
16467P		1925	1700	3625	1935	1845	3780	2210	2320	4530
16369	4-Door Sedan 6-cylinder	1800	1660	3460	1800	1805	3605	2025	2330	4355
16369P		1810	1665	3475	1810	1810	3620	2035	2335	4370
16469	4-Door Sedan 8-cylinder	1905	1690	3595	1915	1835	3750	2140	2360	4500
16469P		1920	1695	3615	1930	1845	3775	2155	2370	4525

P - Powerglide
 * - 3-Seat

SHIPPING WEIGHT: The weight of the basic vehicle with all regular equipment and with grease and oil where required. It does not include the weight of gasoline and water.

CURB WEIGHT: The weight of the empty vehicle ready to drive. It is the shipping weight plus the weights of gasoline and water. For the weight of gasoline add 146 pounds to station wagons, and 121 pounds to all others. For the weight of water add 25 pounds to the 6-cylinder models, 36 pounds to the 283, 38 to the 327, and 48 pounds to the 396 V-8 models

DESIGN WEIGHT: The curb weight of the basic vehicle plus 150 pounds for each passenger (5-passengers, 2 front, 2 rear).

Example:
 Model 16337 (5-passengers) ----- 3530 + 750 = 4280

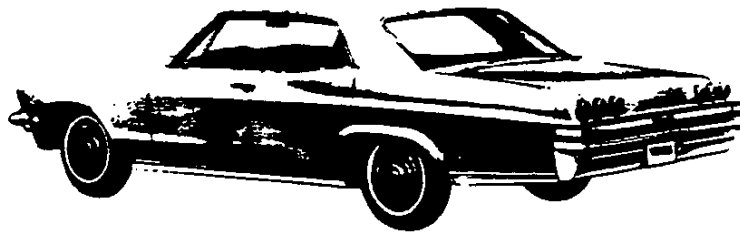
PERFORMANCE WEIGHT: The curb weight of the lowest priced 4-door sedan with regular equipment plus 600 pounds for 4-passengers.

Example:
 Model 15369 ----- 3510 + 600 = 4110

† - Based on passenger weight distribution for number of passengers in front and rear. For total loaded weight, add 150 pounds for each passenger to the designated passenger carrying capacity for the particular vehicle.

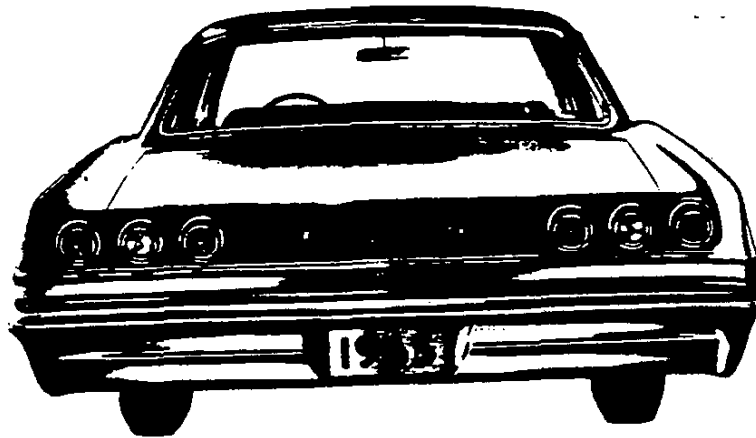


BODY



EXTERIOR PAINT	2
EXTERIOR-INTERIOR COLOR COMBINATIONS	3
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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. Reheating 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

153-15400 BISCAYNE SERIES

155-15600 BEL AIR SERIES

EXTERIOR			INTERIOR TRIM COLORS AND RPO NUMBERS							
			Fawn	Aqua	Red	Fawn	Aqua	Red	Blue	Green
RPO	Color	Sales Name	Models 15411-69			Models 15611-69-35-45				
			860	852	876					
			Model 15435			863	850	872	839	823
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				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		
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				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							

EXTERIOR—INTERIOR COLOR COMBINATIONS—CONT'D

163-16400 IMPALA SERIES

EXTERIOR			INTERIOR TRIM COLORS AND RPO NUMBERS						
			Fawn	Aqua	Red	Blue	Green	Saddle	Black
			Models 16437-39-69						
			866	853	874	842	826	857	811
			Models 16435-45-67 (a)						
RPO	Color	Sales Name	870	847	886	836	829	859	814
AA	Black	Tuxedo Black	X	X	X	X	X	X	X
CC	White	Ermine White	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		X
JJ	Dk. Green	Cypress Green	X				X	X	X
KK	Med. Aqua	Artesian Turquoise	X	X					X
LL	Dk. Aqua	Tahitian Turquoise	X	X					X
NN	Maroon	Madeira Maroon	X		X			X	X
PP	Orchid	Evening Orchid							X
RR	Red	Regal Red	X		X				X
SS	Saddle	Sierra Tan	X					X	X
VV	Beige	Cameo Beige	X		X			X	X
WW	Slate	Glacier Gray							X
YY	Yellow	Crocus Yellow							X
Two-Tone (Lower/Upper) (b)									
CK	White/Med. Aqua			X					
DC	Med. Blue/White					X			
HC	Med. Green/White						X		
JV	Dk. Green/Beige		X				X	X	
LK	Dk. Aqua/Med. Aqua			X					
SV	Saddle/Beige		X					X	
VN	Beige/Maroon		X						
WA	Slate/Black								X
YC	Yellow/White								X

Convertible top: White, black, or beige with any exterior color.
Sport Top, 16437-39 only: Black with any exterior color.

- (a) Also available for Models 16437-39.
(b) Two-tone combinations not available for Models 16437-67.

165-16600 IMPALA SUPER SPORT SERIES

EXTERIOR			INTERIOR TRIM COLORS AND RPO NUMBERS							
			Fawn	Red	Blue	Saddle	Black	White	White	Slate
			Models 16637-67							
RPO	Color	Sales Name	856	879	831	862	815	845(a)	802(b)	805(c)
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		X	
EE	Dk. Blue	Danube Blue	X		X					X
HH	Med. Green	Willow Green	X				X		X	
JJ	Dk. Green	Cypress Green	X			X	X			
KK	Med. Aqua	Arrestian 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	Carneo Beige	X	X		X	X			
WW	Slate	Glacier Gray					X		X	X
YY	Yellow	Crocus Yellow					X		X	
Two-Tone (Lower/Upper)			No two-tone combinations offered for this series.							
CK	White/Med. Aqua									
DC	Med. Blue/White									
HC	Med. Green/White									
JV	Dk. Green/Beige									
LK	D. Aqua/Med. Aqua									
SV	Saddle/Beige									
VN	Beige/Maroon									
WA	Slate/Black									
YC	Yellow/White									

Convertible top: White, black, or beige with any exterior color.
 Sport top, 16637 only: Black with any exterior color.
 Instrument panel and carpet are (a) aqua, (b) black, (c) gunmetal.

BODY GLASS

WINDOW ACTION

2-Door Sedan (11)	2-Door Sport Coupe (37)
4-Door Station Wagon 6-pass. (35), 9-pass. (45)	4-Door Sport Sedan (39)
2-Door Convertible (67)	4-Door Sedan (69)

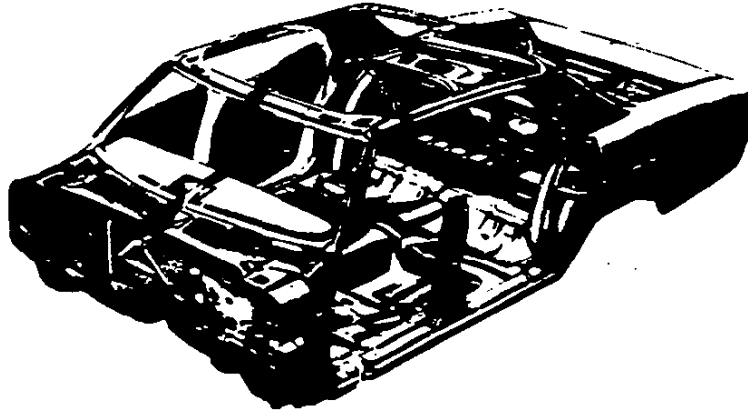
- P - Pivoting, crank vent
- F - Fixed glass
- Z - Zip-Out
- "Monkey" action
- Rotating

BODY GLASS TYPE AND VISIBILITY AREA

Location	69	39	11	37	67	35	45
Windshield	1448.1	1384.3	1448.1	1384.3	1448.1	1448.1	1448.1
Front door	Ventipane	73.0	87.0	73.0	87.0	73.0	73.0
	Window	645.9	640.7	874.7	864.8	865.8	645.9
Rear door window	647.3	683.4				666.0	
Rear quarter	Window		436.0	382.0	400.4		
	Rear side						1187.4
Back window	1173.5	1213.6	1173.5	1381.0	813.0	925.9	
Total visibility area	3987.8	4009.0	4005.3	4099.1	3550.5	4946.3	

All window glass curved safety solid plate except curved laminated safety plate windshield and safety solid sheet 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 door locks. Inside push button locks on all doors.
 Door ventipanes ----- Crank operated

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, with pop-up latch design

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
 1.00 poly foam ----- 153-154-155-15600; 163-16435,45
 1.50 foam rubber ----- 165-16637,67
 1.75 poly foam ----- 163-16437,39,67,69
 ---- Rear seat cushion
 1.75 poly foam ----- 163-164-165-16600
 Jute and cotton ----- 153-154-155-15600
 ---- Third seat cushion
 0.75 poly foam ----- 155-156-163-16445

WINDSHIELD WIPERS

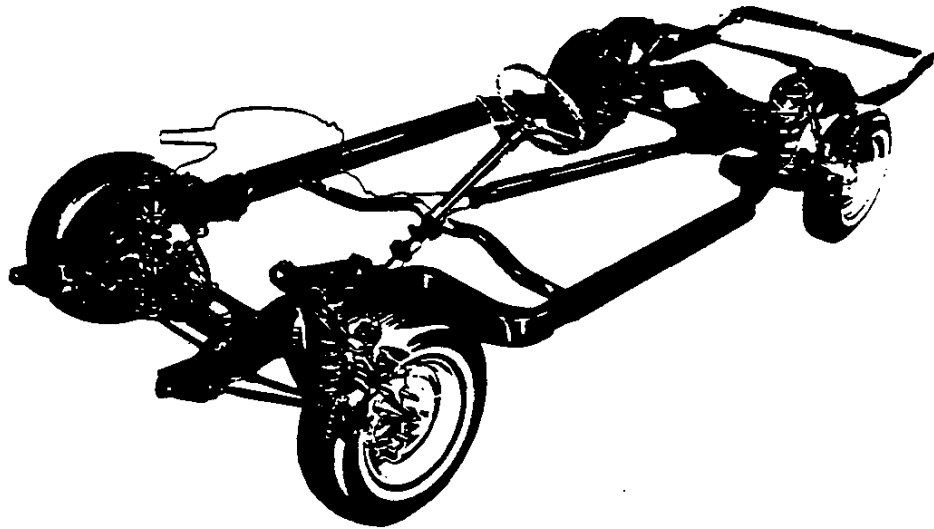
Type ----- Dual single speed electric
 Linkage ----- Parallel acting

SPARE TIRE AND TOOLS

Location ----- Sedans and sport coupe, angled on center of shelf in trunk compartment, Station wagon, vertically in right hand side of cargo compartment rear of wheelhouse behind removable cover. Convertible, right side of trunk compartment rearward of wheelhouse. Tools consist of bumper jack with combination lever handle and wheel nut wrench stored under tire.

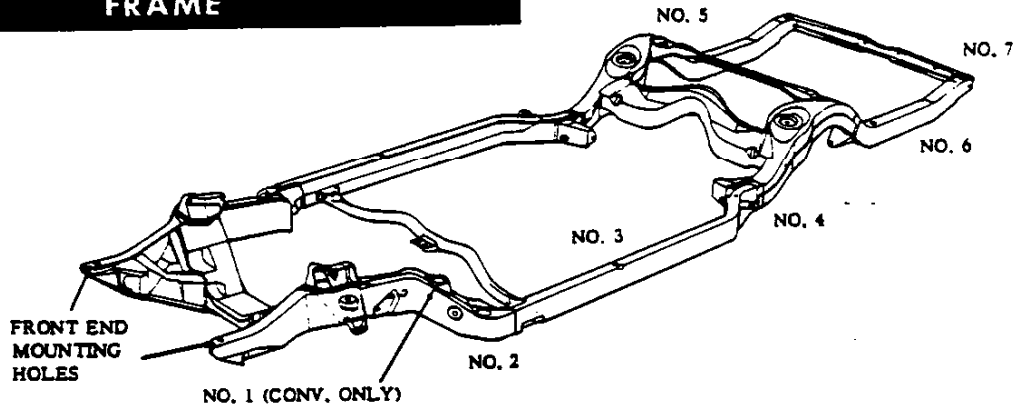


CHASSIS



FRAME	2
FRONT SUSPENSION	2
STEERING	4
DRIVELINE	5
REAR SUSPENSION	5
REAR AXLE	7
BRAKES	8
WHEELS AND TIRES	10
BULBS, FUSES, AND CIRCUIT BREAKERS	10

FRAME



GENERAL

Description ----- All welded perimeter frame with a front crossmember, rear axle upper control arm crossmember, rear shock absorber crossmember and a rear crossmember. All frames are same length. Convertible frames have heavier gage details rear of dash, and wider side inner members at the body compartment. Center sections on all frames are welded box construction (inner and outer channels). Rear axle kickup construction is welded box, either upper and lower or inner and outer channels. Rear of kickup construction is "C" channel.

Dimensions

Width between

No. 7 body mounting holes -----	46.96
No. 3 body mounting holes -----	60.16
No. 1 body mounting holes -----	42.06
Front end mounting holes -----	32.20

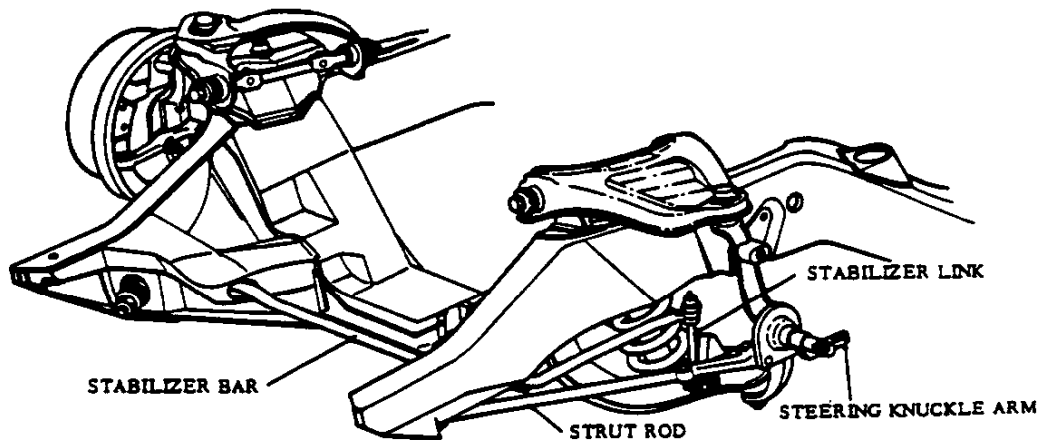
Length between

No. 7 body mounting holes and front end mounting holes -----	190.18
No. 3 body mounting holes and front end mounting holes -----	72.68
No. 1 body mounting holes and front end mounting holes -----	39.73

Height between (measured at top of frame)

No. 7 and No. 3 body mounting holes -----	5.47
No. 7 and No. 1 body mounting holes -----	1.82
No. 7 body and front end mounting holes -----	.80

FRONT SUSPENSION



GENERAL

Description ----- Independent, SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle. Lower control arm strut supported and pivoted on cam bolt; strut adjustments provide caster refinements; camber refinements achieved with cam bolt.

Wheel travel from design height
 Total ----- 8.55
 Jounce (16469) ----- 5.00
 Rebound (16469) ----- 3.55
 Wheel to spring ratio ----- 1.92

CONTROL ARMS

Description ----- Each reinforced steel stamping with pre-loaded, steel encased rubber bushings at pivot

STEERING KNUCKLES

Description ----- Each forged steel with integral brake cylinder mounting, and detachable steering knuckle arm
 Spindle diameters
 At inner bearing ----- 1.2493-1.2498
 At outer bearing ----- .7492-.7497
 Spindle thread ----- 3/4-20 NEF - 3 (modified)

WHEEL BEARINGS

Type ----- Taper roller
 Quantity ----- Two per spindle

SPHERICAL JOINTS

Type ----- Ball studs, upper self-adjusting for wear
 Bearing surfaces
 Upper ball stud ----- Two bearings, upper, Teflon-coated phenolic; lower, Teflon-cotton composition
 Lower ball joint ----- Teflon-cotton composition
 Lubrication ----- High pressure grease fitting for each ball stud

SHOCK ABSORBERS

Type ----- Direct, double-acting, hydraulic
 Piston diameter ----- 1.00

STABILIZER BAR

Type ----- Link
 Material ----- HR steel
 Diameter
 Except wagons ----- .3125
 Wagons ----- .9375
 Bushing material ----- Natural or synthetic rubber

FRONT WHEEL ALIGNMENT

Design
 Camber (degrees) ----- P1 2
 Caster (degrees) ----- P1-1 2
 Toe, total -----
 SAI (degrees) ----- 7.18
 Curb
 Camber (degrees) ----- N1 4 to P3 4
 Caster (degrees) ----- N1/4 to P3 4
 Toe, total ----- 1/8 to 1.4 toe-in
 SAI (degrees) ----- 7 to 8

● FRONT SPRINGS

Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Pitch Dia.	Inside Dia.	Heights		Deflection rate (lb per inch)	
								Free	Working (Inches@lb)	@ Spring	@ Wheel (Wheel Rate)
3862977	A	Coil, Right Hand Helix	AISI A-5160	113.4	.641	4.441	3.800	15.7	11.76@1520	390	132
3864717	B			141.1	.636	4.436	3.800	17.5	11.76@1660	290	104
3864716	C			141.1	.636	4.436	3.800	17.4	11.76@1630	290	104
3864719	D			141.1	.636	4.436	3.800	17.7	11.76@1725	290	104
3864715	E			126.6	.614	4.414	3.800	17.2	11.76@1580	290	104
3864714	F			126.6	.614	4.414	3.800	16.9	11.76@1495	290	104
3862976	G			113.4	.641	4.441	3.800	15.3	11.76@1440	390	132
3869400	H			141.1	.636	4.436	3.800	18.3	11.76@1910	290	104
3862978	I			128.1	.668	4.468	3.800	15.9	11.76@1620	390	132
3862970	K			141.1	.636	4.436	3.800	18.1	11.76@1850	290	104
3869404	L			128.1	.668	4.468	3.800	16.4	11.76@1800	390	132
3864722	M			128.1	.668	4.468	3.800	16.3	11.76@1840	390	132
3864721	N			121.1	.668	4.468	3.800	16.2	11.76@1740	390	132

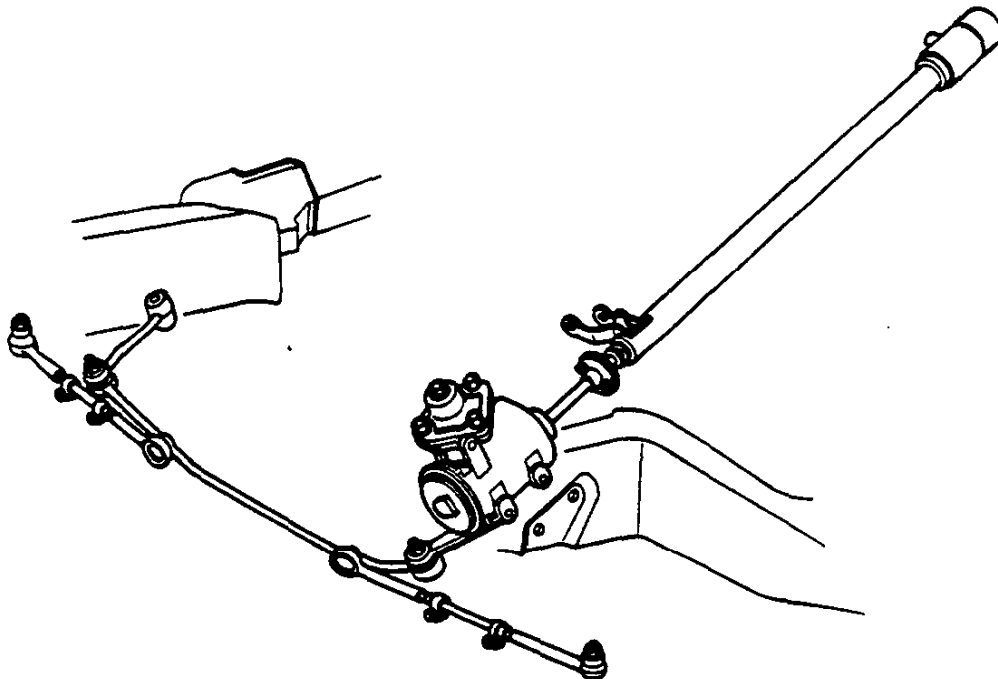
FRONT SPRINGS
 CONTINUED ON PAGE 4

●FRONT SPRINGS CONTINUED

MODEL	Regular Production Engines						Regular Production Option Engines								
	230 L-6			283 V-8 (a)			327 V-8						396 V-8		
	3-SPD	OD	PG	3-SPD	OD	PG	L30			L74			L35		L78
3-SPD	OD	PG	3-SPD	OD	PG	3-SPD	4-SPD	PG	3-SPD	4-SPD	PG	3 & 4-SPD	AUTO	3 & 4-SPD	
15311	A	A	A	C	C	C	C	C	C	C	C	C	K	K	N
15411	F	F	F	C	C	C	C	C	C	C	C	C	K	K	N
15335	F	F	F	C	C	C	C	C	C	C	C	C	K	K	N
15435	F	F	F	F	F	F	E	E	E	E	E	E	L	L	N
15369	A	A	A	C	C	C	C	C	C	C	C	C	K	K	N
15469	C	C	C	C	C	C	C	C	C	C	C	C	K	K	N
15511	A	A	A	C	C	C	C	C	C	C	C	C	K	K	N
15611	C	C	C	C	C	C	C	C	C	C	C	C	K	K	N
15535	F	F	F	C	C	C	C	C	C	C	C	C	K	K	N
15635	F	F	F	F	F	F	E	E	E	E	E	E	L	L	N
15545	G	G	G	C	C	C	C	C	C	C	C	C	K	K	N
15645	A	A	A	A	A	A	I	I	I	I	I	I	L	L	N
15569	A	A	A	C	C	C	C	C	C	C	C	C	K	K	N
15669	C	C	C	C	C	C	C	C	C	C	C	C	K	K	N
16335	F	F	F	C	C	C	C	C	C	C	C	C	K	K	N
16435	F	F	F	F	F	F	E	E	E	E	E	E	L	L	L
16337	E	E	E	C	C	C	C	C	C	C	C	C	H	H	L
16437	C	C	C	C	C	C	C	C	C	C	C	C	H	H	L
16339	F	F	F	C	C	C	C	C	C	C	C	C	H	H	L
16439	B	B	B	C	C	C	C	C	C	C	C	C	H	H	L
16345	G	G	G	C	C	C	C	C	C	C	C	C	K	K	N
16445	A	A	A	A	A	A	I	I	I	I	I	I	L	L	N
16367	E	E	E	C	C	C	D	D	D	D	D	D	H	H	M
16467	C	C	C	D	D	D	D	D	D	D	D	D	H	H	M
16369	F	F	F	C	C	C	C	C	C	C	C	C	H	H	L
16469	C	C	C	C	C	C	C	C	C	C	C	C	H	H	L
16537	F	F	F	C	C	C	C	C	C	C	C	C	H	H	L
16637	B	B	B	E	E	E	E	E	E	E	E	E	L	L	N
16567	F	F	F	B	B	B	E	E	E	E	E	E	L	L	N
16667	C	C	C	B	B	B	B	B	B	B	B	B	L	L	L

(a) 4-speed springs same as springs shown for other transmissions

STEERING



MANUAL STEERING, regular production

Description	-----	Semi-reversible, recirculating ball nut steering gear. Manual steering standard; power optional. Tilt steering offered optionally except with 3-speed.
System ratios		
Steering gear	-----	24:1
Overall	-----	28.3:1
Turning diameters (ft)		
Outside front, wall to wall	-----	44.1
Outside front, curb to curb	-----	40.8
Inside rear, wall to wall	-----	24.2
Inside rear, curb to curb	-----	24.5
Number of wheel turns, lock to lock	-----	5.42
Outside wheel angle (degrees) with inside wheel		
@ 15 degrees	-----	15.29
@ 30 degrees	-----	29.78
@ 39.78 degrees (limit of turn)	-----	37.11
Steering shaft		
Number used	-----	One
Diameter	-----	.75

Steering wheel

Regular production and RPO N34 wheel	
Type	----- Deep dished
Diameter	----- 16.5
Linkage	
Type	----- Parallelogram
Location	----- Rear of wheels
Number of tie rods	----- 2
Lubrication points	----- 4, one at each end of each tie rod

POWER STEERING, RPO N40

(same as MANUAL STEERING except as follows)

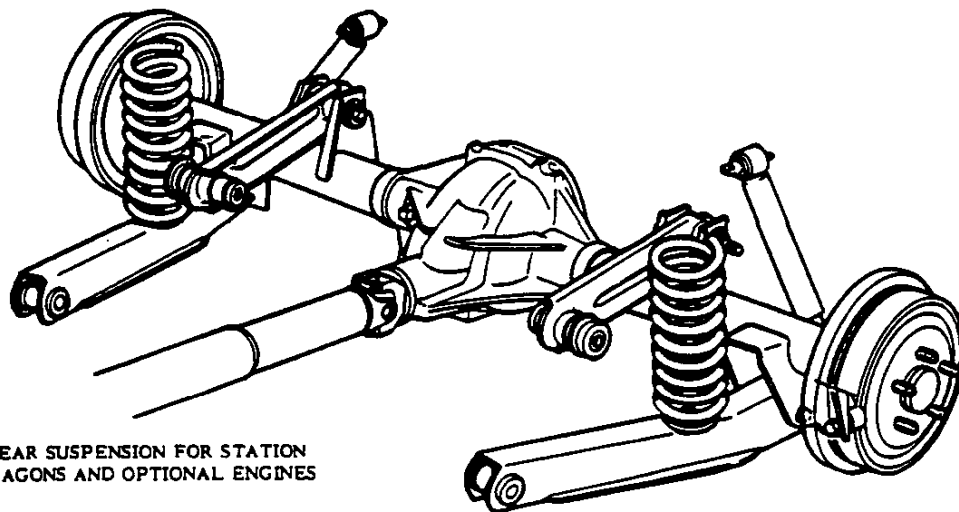
Type	-----	Integral booster
System ratios		
Steering gear	-----	17.5:1
Overall	-----	19.4:1
Number of wheel turns, lock to lock	-----	3.52

DRIVELINE

PROPELLER SHAFT

Type	-----	Tubular, exposed
Number used	-----	1
Construction	-----	Step down design of one or two piece welded construction; two piece telescope design with rubber elements between the pieces for application with automatic transmission on 16300, 400, 500 and 600.
Tubes		
OD	-----	3.25
Wall thickness	-----	.065
Length between axes of yoke bores	-----	62.16

REAR SUSPENSION



REAR SUSPENSION FOR STATION WAGONS AND OPTIONAL ENGINES

REAR SUSPENSION CONTINUED ON PAGE 6

GENERAL

Description ----- Link type: except wagons, 2 lower control arms, 1 upper control arm, and tie rod from axle to frame: wagons, 2 upper and 2 lower control arms, and tie rod: support integral rear beam consisting of cast iron differential carrier and pressed in axle shaft housings.

Wheel travel, from design height
 Total ----- 9.99
 Jounce (16469) ----- 3.93
 Rebound (16469) ----- 6.06
 Wheel to spring ratio ----- 1.52

SHOCK ABSORBERS

Type ----- Direct, double acting, hydraulic
 Piston diameter ----- 1.00

TIE ROD

Material ----- AISI C-1015 or C-1018
 Diameter ----- .980-.985

● REAR SPRINGS

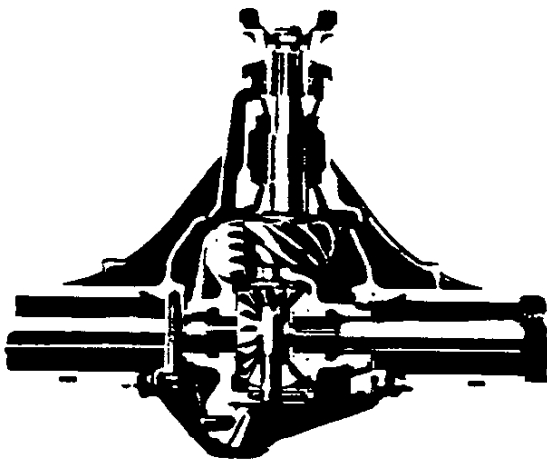
Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Pitch Dia.	Inside Dia.	Heights		Deflection rate (lb per inch)	
								Free	Working (Inches @ lb)	@ Spring	@ Wheel (Wheel Rate)
3869409	A	Coil, right hand helix	AISI 5160	135.6	.673	4.673	4.00	17.5	12.37 @ 1725	340	160.5
3869410	B			129.5	.715	4.715	4.00	16.3	12.37 @ 1830	450	207.7
3862984	C			126.0	.590	4.590	4.00	17.2	12.37 @ 1110	230	108.6
3862989	D			126.0	.590	4.590	4.00	12.4	12.37 @ 1145	230	108.6
3862990	E			126.0	.590	4.590	4.00	17.5	12.37 @ 1175	230	108.6
3869407	F			126.0	.590	4.590	4.00	17.7	12.37 @ 1220	230	108.6
3864734	G			129.4	.715	4.715	4.00	16.3	12.37 @ 1750	450	207.7
3879408	H			113.9	.623	4.623	4.00	15.7	12.37 @ 1050	315	149.6
3874950	I			103.7	.616	4.616	4.00	15.1	12.37 @ 980	340	160.5
3876674	J			135.6	.673	4.673	4.00	17.2	12.37 @ 1630	340	160.5

●REAR SPRINGS CONTINUED

MODEL	Regular Production Engines						Regular Production Option Engines									
	230 L-6			283 V-8 (a)			327 V-8						390 V-8			
	3-SPD	OD	PG	3-SPD	OD	PG	L30			L74			L35		L78	
							3-SPD	4-SPD	PG	3-SPD	4-SPD	PG	3&4-SPD	AUTO	3&4-SPD	
15311	I	I	I													
15411				D	D	D	C	C	C	C	C	C	D	D	J	
15335	A	A	A													
15435				A	A	A	A	A	A	A	A	A	A	A	G	
15369	G	G	G													
15469				F	F	F	F	F	F	F	F	F	E	E	I	
15511	I	I	I													
15611				D	D	D	C	C	C	C	C	C	D	D	J	
15535	A	A	A													
15635				A	A	A	A	A	A	A	A	A	A	A	G	
15545	B	B	B													
15645				B	B	B	B	B	B	B	B	B	B	B	B	
15569	I	I	I													
15669				F	F	F	F	F	F	F	F	F	E	E	I	
16335	A	A	A													
16435				A	A	A	A	A	A	A	A	A	A	A	G	
16337	D	D	D													
16437				E	E	E	D	D	D	D	D	D	E	E	J	
16339	E	E	E													
16439				F	F	F	F	F	F	F	F	F	F	F	I	
16345	B	B	B													
16445				B	B	B	B	B	B	B	B	B	B	B	B	
16367	D	D	D													
16467				D	D	D	D	D	D	D	D	D	E	E	I	
16369	D	D	D													
16469				F	F	F	F	F	F	F	F	F	F	F	I	
16537	D	D	D													
16637				F	F	F	E	E	E	E	E	E	J	J	J	
16567	D	D	D													
16667				E	E	E	E	E	E	E	E	E	J	J	J	

(a) 4-speed springs same as springs shown for other transmissions

REAR AXLE



REAR AXLE CONTINUED
ON PAGE 8

17

GENERAL

Type ----- Semi-floating; integral rear beam consisting of cast iron differential carrier with pressed-in tubular rear axle shaft housings

Lubricant

Type --- for std. axles, Military Spec. MIL-L-2105-B
 Viscosity ----- SAE 80
 Filler plug ----- 5/8 sq. in., 3/4-14 PTF SAE short
 Capacity (pns) --- 8.125 hypoid gear ----- 3.5;
 8.875 hypoid gear ----- 4.0

Regular production ratios

Overdrive transmission
 Except wagons ----- 3.70
 Wagons ----- 3.73
3-speed and automatic transmissions, L-6 engine
 Coupes and sedans ----- 3.08
 Convertibles ----- 3.36
 Wagons ----- 3.55
3-speed and automatic transmissions, V-8 engine
 15400 and 15600 sedans ----- 3.08
 16400 and 16600 sedans, coupes and convertibles ----- 3.36
 Wagons ----- 3.31
4-speed transmission, V-8 engine
 Except wagons ----- 3.36
 Wagons ----- 3.31

Differential carrier

Type ----- Hypoid gear with overhung pinion gear supported by two taper roller bearings

Offset ----- 1.50

Hypoid gear PD

For 3.08, 3.36, and 3.70 ----- 8.125

For 3.31, 3.55, and 3.73 ----- 8.875

Pinion bearing adjustment ----- Shim

Cover assemblage ----- Bolted to differential carrier

DIFFERENTIAL

Type ----- Two pinion in ArmaSteel housing supported by two taper roller bearings

AXLE

Type ----- Forged and hardened steel with integral drive flange

Wheel bearings

Type ----- Single row cylindrical roller

Number used ----- 1 per wheel

Oil seal ----- Steel encased, spring loaded synthetic rubber

HYPOID AND PINION GEAR TOOTH COMBINATIONS

3.08 ----- 37, 12

3.31 ----- 43, 13

3.36 ----- 37, 11

3.55 ----- 39, 11

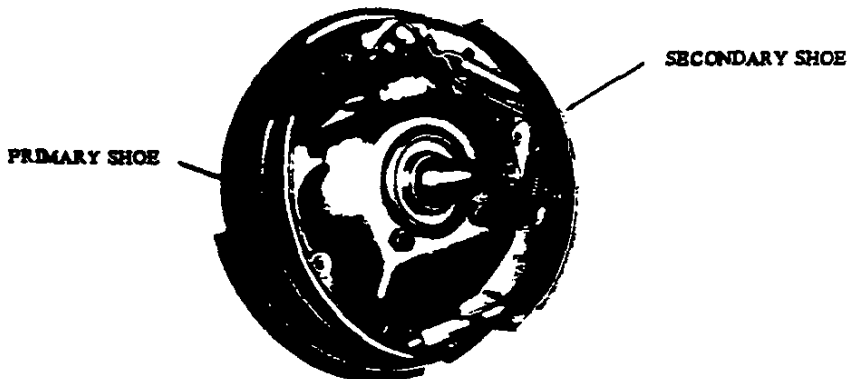
3.70 ----- 37, 10

3.73 ----- 41, 11

POSITRACTION DIFFERENTIAL (For availability, see POWER TRAINS)

Type ----- Two pinion with dual disc clutches

BRAKES



SERVICE BRAKES, Regular Production

General	
Type	Duo servo,
	4-wheel hydraulic, reverse self-adjusting
Line pressure, psi, @ 100 lb pedal load	717
Braking ratios	
Pedal	5.63
Hydraulic	4.82
Overall	27.14
Distribution of braking effort (theoretical, percent)	
Front wheels	58.5
Rear wheels	41.5
Brake drum	
Diameter, front and rear	11.0
Construction	Composite, web cast into rim
Material	
Web	HR steel
Rim	Cast iron alloy
Swept drum area, sq. inches	328.3
Brake lining	
Material	Full molded asbestos composition
Length	
Primary shoe	9.25
Secondary shoe	11.63
Width	
From wheel shoes	2.75
Rear wheel shoes	2.00
Thickness, minimum @ centerline .....	.168
Method of attachment	Bonded
Total effective area, sq. inches	184.3
Gross lining area, sq. inches	198.4
Master cylinder	
Piston diameter	1.00
Piston travel (with available pedal travel)	1.15
Wheel cylinders	
Piston diameter	
Front	1.1875
Rear	1.00
Foot pedal travel	6.48

PARKING BRAKE

Type	Mechanical; pull rods and cables operate two rear service brakes
Total effective area, sq. inches	76.5
Control	Apply by pendulum foot pedal; release by T handle located below instrument panel to left of steering column

STOP LIGHT SWITCH

Type	Mechanical, make-break, normally on
Location	At brake pedal

SERVICE BRAKES, METALLIC (RPO J65) (Same as SERVICE BRAKES, Regular Production, except as follows)

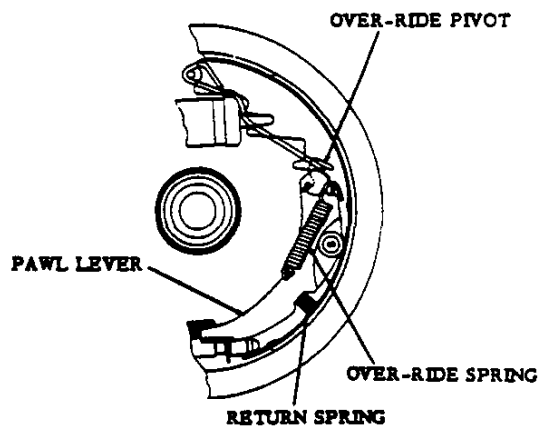
General	
Line pressure, psi, @ 100 lb pedal load	936
Braking ratios	
Pedal	5.63
Hydraulic	6.30
Overall	35.47

Brake lining

Material	Sintered iron segments
Size	
Front wheel segments	
Primary	1.64 x 1.37 x .175
Secondary	1.64 x 1.37 x .295
Rear wheel segments	
Primary	2.00 x 1.00 x .175
Secondary	2.00 x 1.00 x .295
Segments per shoe	
Primary, front and rear	6
Secondary	12
From	10
Rear	10
Method of attachment	Welded
Total effective area, sq. inches	145.2
Master cylinder	
Piston diameter .....	.875

POWER BRAKES, RPO J50 (Same as SERVICE BRAKES, Regular Production except as follows)

General	
Type	Vacuum power unit added to assist regular production master cylinder; integral
Pedal effort	Approximately 30% less than regular production service brakes at same deceleration rate
Braking ratios	
With regular production service brakes linings	
Pedal	5.65
Hydraulic	4.82
Overall	27.23
With metallic service brakes linings	
Pedal	5.65
Hydraulic	6.30
Overall	35.60
Master cylinder	
Piston travel (with available pedal travel) .....	.75
Foot pedal travel	4.24



SELF-ADJUSTING MECHANISM

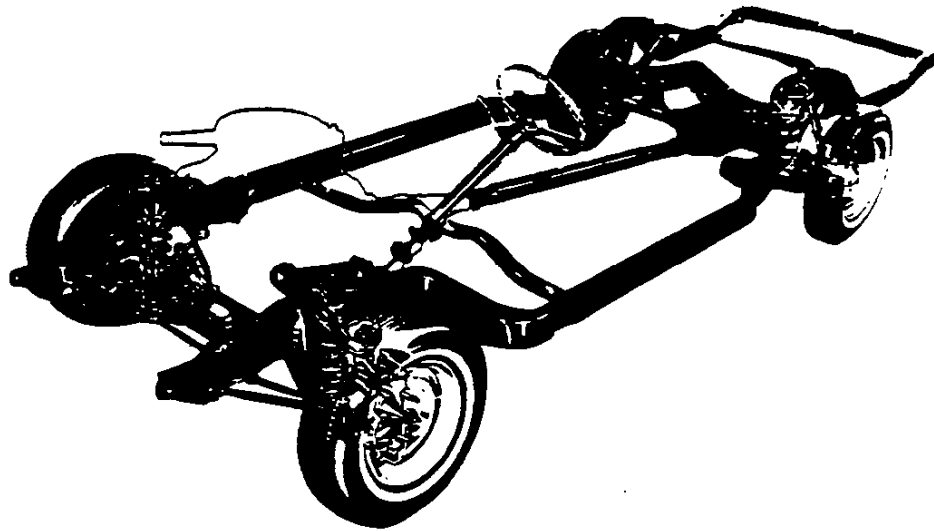
Heater controls	2-1895	2
Ignition switch	1-1445	1
Instrument cluster	5-1895	2
License plate, rear	1-1155	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-1895	2
Parking		
Park		4
Turn	2-1157	32
Parking brake alarm	1-257	2
Radio	1-1893	2
Spot lamp		
Inside operated	1-4405	30W
Portable	1-4416	30W
Tachometer	1-1895	2
Tail		
Tail only (15500 & 600)	2-67	4
Tail, stop and turn	15000, 2-1157	Tail, 4: stop and turn, 32
	16000, 4-1157	Tail, 4: stop and turn, 32
Temperature indicator	2-1895	2
Traffic hazard indicator	1-1445	1
Underhood	1-93	15
Vacuum gage	2-1895	2

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	AGC 30 fuse	In line
Ash tray lamp	AGC 30 fuse	Fuse panel (g)
Auto. trans. position pattern lamp	AGC 3 fuse	Fuse panel (c)
Back up lamps	AGC 3 fuse	Fuse panel (c)
Cigarette lighter	AGC 10 fuse	Fuse panel (d)
Clock	AGC 15 fuse	Fuse panel (b)
Clock lamps	AGC 10 fuse	Fuse panel (d)
Courtesy lamps	AGC 3 fuse	Fuse panel (c)
Defogging	AGC 15 fuse	Fuse panel (b)
Directional signal ind. lamps	AGC 10 fuse	Fuse panel (d)
Dome lamps	AGC 3 fuse	Fuse panel (c)
Fuel gage	AGC 15 fuse	Fuse panel (b)
Folding top motor	AGC 10 fuse	Fuse panel (d)
Generator indicator lamp	40 amp CB	Hinge pillar
Glove compartment lamp	AGC 10 fuse	Fuse panel (d)
Headlamps	AGC 15 fuse	Fuse panel (b)
Headlamps hi-beam ind. lamp	15 amp CB	Light switch
Heater	15 amp CB	Light switch
Heater controls lamps	AGC 10 fuse	Fuse panel (g)
Ignition switch lamp	AGC 3 fuse	Fuse panel (c)
Instrument cluster lamps	AGC 3 fuse	Fuse panel (c)
License plate lamp, rear	AGC 3 fuse	Fuse panel (c)
Luggage compartment lamp	AGC 15 fuse	Fuse panel (b)
Oil pressure indicator lamp	AGC 15 fuse	Fuse panel (b)
Overdrive solenoid	AGC 10 fuse	Fuse panel (d)
Park and turn lamp	AGC 15 fuse	In line
Parking brake alarm indicator lamp	15 amp CB	Light switch
Power seats	AGC 10 fuse	Fuse panel (d)
Power windows	40 amp CB	Hinge pillar
Radio	40 amp CB	Hinge pillar
Radio lamp	AGC 2.5 fuse	Fuse panel (e)
Spot lamp	AGC 2.5 fuse	Fuse panel (e)
Inside operated	AGC 15 fuse	In line
Portable	AGC 15 fuse	Fuse panel (b)
Tachometer	AGC 15 fuse	Fuse panel (b)
Tachometer lamp	AGC 10 fuse	Fuse panel (d)
Tail, stop and turn lamps	AGC 3 fuse	Fuse panel (c)
Tailgate motor	AGC 15 fuse	Fuse panel (b)
Temperature gage	40 amp CB	Hinge pillar
Temperature indicator lamps	AGC 10 fuse	Fuse panel (d)
Traffic hazard indicator lamp	AGC 10 fuse	Fuse panel (d)
Under hood lamp	AGC 15 fuse	Fuse panel (b)
Windshield wiper, single-speed	SAE 4 fuse	In line
Windshield wiper, two-speed	SAE 20 fuse	Fuse panel (f)
	SAE 20 fuse	Fuse panel (f)
	14 amp CB	Switch

* Letter suffix indicates same circuit

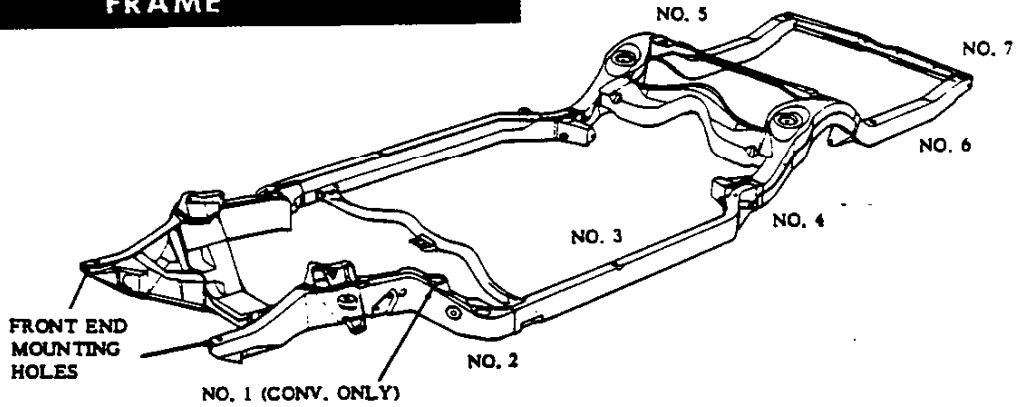


CHASSIS



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FRONT SUSPENSION	2
STEERING	4
DRIVELINE	5
REAR SUSPENSION	5
REAR AXLE	7
BRAKES	8
WHEELS AND TIRES	10
BULBS, FUSES, AND CIRCUIT BREAKERS	10

FRAME



GENERAL

Description ----- All welded perimeter frame with a front crossmember, rear axle upper control arm crossmember, rear shock absorber crossmember and a rear crossmember. All frames are same length. Convertible frames have heavier gage details rear of dash, and wider side inner members at the body compartment. Center sections on all frames are welded box construction (inner and outer channels). Rear axle kickup construction is welded box, either upper and lower or inner and outer channels. Rear of kickup construction is "C" channel.

Dimensions

Width between

No. 7 body mounting holes -----	46.96
No. 3 body mounting holes -----	60.16
No. 1 body mounting holes -----	42.06
Front end mounting holes -----	32.20

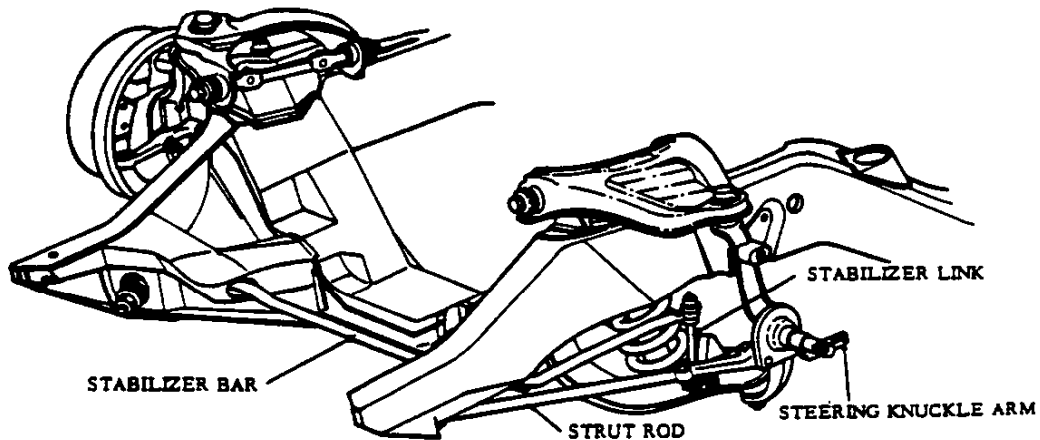
Length between

No. 7 body mounting holes and front end mounting holes -----	190.18
No. 3 body mounting holes and front end mounting holes -----	72.68
No. 1 body mounting holes and front end mounting holes -----	39.73

Height between (measured at top of frame)

No. 7 and No. 3 body mounting holes -----	5.47
No. 7 and No. 1 body mounting holes -----	1.82
No. 7 body and front end mounting holes -----	.80

FRONT SUSPENSION



GENERAL

Description ----- Independent, SLA type with coil spring and concentric shock absorber, and spherically-jointed steering knuckle. Lower control arm strut supported and pivoted on cam bolt; strut adjustments provide caster refinements; camber refinements achieved with cam bolt.

Wheel travel from design height
 Total ----- 8.55
 Jounce (16469) ----- 5.00
 Rebound (16469) ----- 3.55
 Wheel to spring ratio ----- 1.92

CONTROL ARMS

Description ----- Each reinforced steel stamping with pre-loaded, steel encased rubber bushings at pivot

STEERING KNUCKLES

Description ----- Each forged steel with integral brake cylinder mounting, and detachable steering knuckle arm
 Spindle diameters
 At inner bearing ----- 1.2493-1.2498
 At outer bearing ----- .7492-.7497
 Spindle thread ----- 3/4-20 NEF - 3 (modified)

WHEEL BEARINGS

Type ----- Taper roller
 Quantity ----- Two per spindle

SPHERICAL JOINTS

Type ----- Ball studs, upper self-adjusting for wear
 Bearing surfaces
 Upper ball stud ----- Two bearings, upper. Teflon-coated phenolic; lower, Teflon-cotton composition
 Lower ball joint ----- Teflon-cotton composition
 Lubrication ----- High pressure grease fitting for each ball stud

SHOCK ABSORBERS

Type ----- Direct, double-acting, hydraulic
 Piston diameter ----- 1.00

STABILIZER BAR

Type ----- Link
 Material ----- HR steel
 Diameter
 Except wagons ----- .8125
 Wagons ----- .9375
 Bushing material ----- Natural or synthetic rubber

FRONT WHEEL ALIGNMENT

Design
 Camber (degrees) ----- P1 2
 Caster (degrees) ----- P1-1 2
 Toe, total -----
 SAI (degrees) ----- 7.18
 Curb
 Camber (degrees) ----- N1.4 to P3 4
 Caster (degrees) ----- N1/4 to P3 4
 Toe, total ----- 1/8 to 1.4 toe-in
 SAI (degrees) ----- 7 to 8

● FRONT SPRINGS

Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Pitch Dia.	Inside Dia.	Heights		Deflection rate (lb per inch)	
								Free	Working (Inches@lb)	@ Spring	@ Wheel (Wheel Rate)
3862977	A	Coil, Right Hand Helix	AISI A-5160	113.4	.641	4.441	3.800	15.7	11.76@1520	390	132
3864717	B			141.1	.636	4.436	3.800	17.5	11.76@1660	290	104
3864716	C			141.1	.636	4.436	3.800	17.4	11.76@1630	290	104
3864719	D			141.1	.636	4.436	3.800	17.7	11.76@1725	290	104
3864715	E			126.6	.614	4.414	3.800	17.2	11.76@1580	290	104
3864714	F			126.6	.614	4.414	3.800	16.9	11.76@1495	290	104
3862976	G			113.4	.641	4.441	3.800	15.5	11.76@1440	390	132
3869400	H			141.1	.636	4.436	3.800	18.3	11.76@1910	290	104
3862978	I			128.1	.668	4.468	3.800	15.9	11.76@1620	390	132
3862970	K			141.1	.636	4.436	3.800	18.1	11.76@1850	290	104
3869404	L			128.1	.668	4.468	3.800	16.4	11.76@1800	390	132
3864722	M			128.1	.668	4.468	3.800	16.5	11.76@1840	390	132
3864721	N			121.1	.668	4.468	3.800	16.2	11.76@1740	390	132

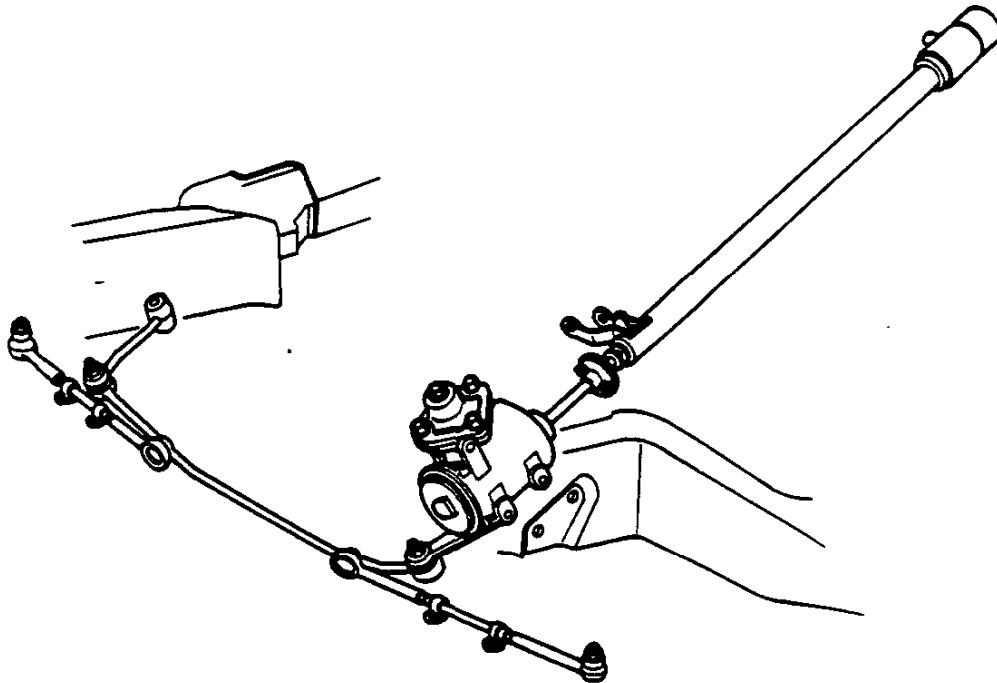
FRONT SPRINGS
 CONTINUED ON PAGE 4

●FRONT SPRINGS CONTINUED

MODEL	Regular Production Engines						Regular Production Option Engines								
	230 L-6			283 V-8 (a)			327 V-8						396 V-8		
	3-SPD	OD	PG	3-SPD	OD	PG	L30			L74			L35	L78	
3-SPD	OD	PG	3-SPD	OD	PG	3-SPD	4-SPD	PG	3-SPD	4-SPD	PG	3 & 4-SPD	AUTO	3 & 4-SPD	
15311	A	A	A	C	C	C	C	C	C	C	C	C	K	K	N
15411	F	F	F												
15335				F	F	F	E	E	E	E	E	E	L	L	N
15435	A	A	A												
15369				C	C	C	C	C	C	C	C	C	K	K	N
15469	A	A	A												
15511				C	C	C	C	C	C	C	C	C	K	K	N
15611	F	F	F												
15335				F	F	F	E	E	E	E	E	E	L	L	N
15635	G	G	G												
15545				A	A	A	I	I	I	I	I	I	L	L	N
15645	A	A	A												
15569				C	C	C	C	C	C	C	C	C	K	K	N
15669	F	F	F												
16335				F	F	F	E	E	E	E	E	E	L	L	L
16435	E	E	E												
16337				C	C	C	C	C	C	C	C	C	H	H	L
16437	F	F	F												
16339				B	B	B	C	C	C	C	C	C	H	H	L
16439	G	G	G												
16345				A	A	A	I	I	I	I	I	I	L	L	N
16445	E	E	E												
16367				C	C	C	D	D	D	D	D	D	H	H	M
16467	F	F	F												
16369				C	C	C	C	C	C	C	C	C	H	H	L
16469	F	F	F												
16537				B	B	B	E	E	E	E	E	E	L	L	N
16637	F	F	F												
16567				C	C	C	B	B	B	B	B	B	L	L	L
16667															

(a) 4-speed springs same as springs shown for other transmissions

STEERING



MANUAL STEERING, regular production

Description	-----	Semi-reversible, recirculating ball nut steering gear. Manual steering standard; power optional. Tilt steering offered optionally except with 3-speed.
System ratios		
Steering gear	-----	24:1
Overall	-----	28.3:1
Turning diameters (ft)		
Outside front, wall to wall	-----	44.1
Outside front, curb to curb	-----	40.8
Inside rear, wall to wall	-----	24.2
Inside rear, curb to curb	-----	24.5
Number of wheel turns, lock to lock	-----	5.42
Outside wheel angle (degrees) with inside wheel		
@ 15 degrees	-----	15.29
@ 30 degrees	-----	29.78
@ 39.78 degrees (limit of turn)	-----	37.11
Steering shaft		
Number used	-----	One
Diameter	-----	.75

Steering wheel	
Regular production and RPO N34 wheel	
Type	----- Deep dished
Diameter	----- 16.5
Linkage	
Type	----- Parallelogram
Location	----- Rear of wheels
Number of tie rods	----- 2
Lubrication points	----- 4, one at each end of each tie rod

POWER STEERING, RPO N40
(same as MANUAL STEERING except as follows)

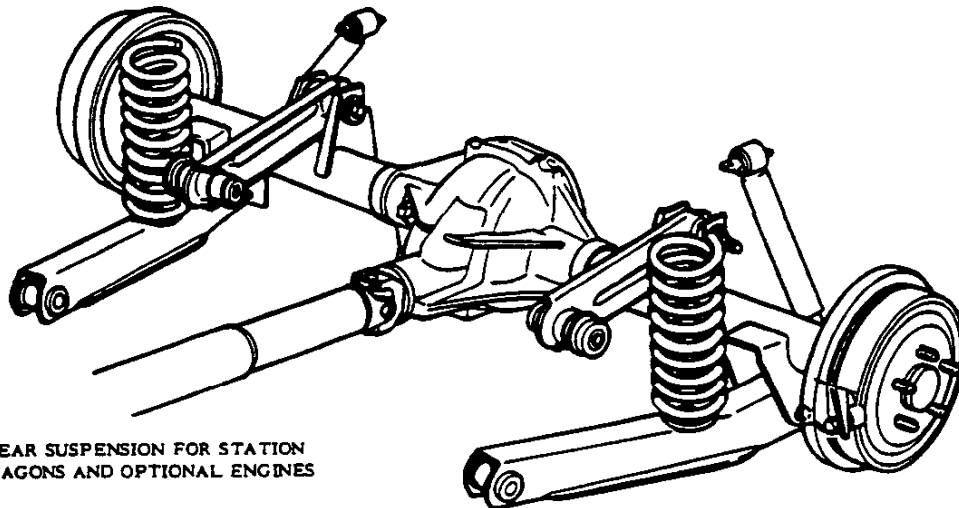
Type	-----	Integral booster
System ratios		
Steering gear	-----	17.5:1
Overall	-----	19.4:1
Number of wheel turns, lock to lock	-----	3.52

DRIVELINE

PROPELLER SHAFT

Type	-----	Tubular, exposed
Number used	-----	1
Construction	-----	Step down design of one or two piece welded construction; two piece telescope design with rubber elements between the pieces for application with automatic transmission on 16300, 400, 500 and 600.
Tubes		
OD	-----	3.25
Wall thickness	-----	.065
Length between axes of yoke bores	-----	62.16

REAR SUSPENSION



REAR SUSPENSION FOR STATION WAGONS AND OPTIONAL ENGINES

REAR SUSPENSION
CONTINUED ON PAGE 6

GENERAL

Description ----- Link type: except wagons, 2 lower control arms, 1 upper control arm, and tie rod from axle to frame; wagons, 2 upper and 2 lower control arms, and tie rod; support integral rear beam consisting of cast iron differential carrier and pressed in axle shaft housings.

Wheel travel, from design height
 Total ----- 9.99
 Jounce (16469) ----- 3.93
 Rebound (16469) ----- 6.06
 Wheel to spring ratio ----- 1.52

SHOCK ABSORBERS

Type ----- Direct, double acting, hydraulic
 Piston diameter ----- 1.00

TIE ROD

Material ----- AISI C-1015 or C-1018
 Diameter ----- .980-.985

●REAR SPRINGS

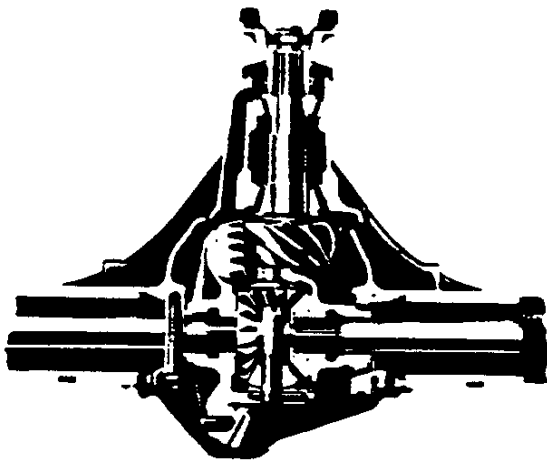
Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Pitch Dia.	Inside Dia.	Heights		Deflection rate (lb per inch)	
								Free	Working (Inches @ lb)	@ Spring	@ Wheel (Wheel Rate)
3869409	A	Coil, right hand helix	AISI 5160	135.6	.673	4.673	4.00	17.5	12.37 @ 1725	340	160.5
3869410	B			129.5	.715	4.715	4.00	16.5	12.37 @ 1830	450	207.7
3862984	C			126.0	.590	4.590	4.00	17.2	12.37 @ 1110	230	108.6
3862989	D			126.0	.590	4.590	4.00	12.4	12.37 @ 1145	230	108.6
3862990	E			126.0	.590	4.590	4.00	17.5	12.37 @ 1175	230	108.6
3869407	F			126.0	.590	4.590	4.00	17.7	12.37 @ 1220	230	108.6
3864734	G			129.4	.715	4.715	4.00	16.3	12.37 @ 1750	450	207.7
3879408	H			113.9	.623	4.623	4.00	15.7	12.37 @ 1050	315	149.6
3876950	I			103.7	.616	4.616	4.00	15.1	12.37 @ 980	340	160.5
3876674	J			135.6	.673	4.673	4.00	17.2	12.37 @ 1630	340	160.5

●REAR SPRINGS CONTINUED

MODEL	Regular Production Engines						Regular Production Option Engines									
	230 L-6			283 V-8 (a)			327 V-8						396 V-8			
	3-SPD	OD	PG	3-SPD	OD	PG	L30			L74			L35		L78	
							3-SPD	4-SPD	PG	3-SPD	4-SPD	PG	3&4-SPD	AUTO	3&4-SPD	
15311	I	I	I													
15411				D	D	D	C	C	C	C	C	C	D	D	J	
15335	A	A	A													
15435				A	A	A	A	A	A	A	A	A	A	A	G	
15369	G	G	G													
15469				F	F	F	F	F	F	F	F	F	E	E	I	
15511	I	I	I													
15611				D	D	D	C	C	C	C	C	C	D	D	J	
15535	A	A	A													
15635				A	A	A	A	A	A	A	A	A	A	A	G	
15545	B	B	B													
15645				B	B	B	B	B	B	B	B	B	B	B	B	
15569	I	I	I													
15669				F	F	F	F	F	F	F	F	F	E	E	I	
16335	A	A	A													
16435				A	A	A	A	A	A	A	A	A	A	A	G	
16337	D	D	D													
16437				E	E	E	D	D	D	D	D	D	E	E	J	
16339	E	E	E													
16439				F	F	F	F	F	F	F	F	F	F	F	I	
16345	B	B	B													
16445				B	B	B	B	B	B	B	B	B	B	B	B	
16367	D	D	D													
16467				D	D	D	D	D	D	D	D	D	E	E	I	
16369	D	D	D													
16469				F	F	F	F	F	F	F	F	F	F	F	I	
16537	D	D	D													
16637				F	F	F	E	E	E	E	E	E	J	J	J	
16567	D	D	D													
16667				E	E	E	E	E	E	E	E	E	J	J	J	

(a) 4-speed springs same as springs shown for other transmissions

REAR AXLE



REAR AXLE CONTINUED
ON PAGE 8

GENERAL

Type ----- Semi-floating; integral rear beam consisting of cast iron differential carrier with pressed-in tubular rear axle shaft housings

Lubricant

Type --- for std. axles, Military Spec. MIL-L-2105-B
 Viscosity ----- SAE 80
 Filler plug ----- 5/8 sq. hd., 3/4-14 PTF SAE short
 Capacity (pts) --- 8.125 hypoid gear ----- 3.5;
 8.875 hypoid gear ----- 4.0

Regular production ratios

Overdrive transmission
 Except wagons ----- 3.70
 Wagons ----- 3.73
3-speed and automatic transmissions, L-6 engine
 Coupes and sedans ----- 3.08
 Convertibles ----- 3.36
 Wagons ----- 3.55
3-speed and automatic transmissions, V-8 engine
 15400 and 15600 sedans ----- 3.08
 16400 and 16600 sedans, coupes and convertibles ----- 3.36
 Wagons ----- 3.31
4-speed transmission, V-8 engine
 Except wagons ----- 3.36
 Wagons ----- 3.31

Differential carrier

Type ----- Hypoid gear with overhung pinion gear supported by two taper roller bearings

Offset ----- 1.50
 Hypoid gear PD
 For 3.08, 3.36, and 3.70 ----- 8.125
 For 3.31, 3.55, and 3.73 ----- 8.875
 Pinion bearing adjustment ----- Shim
 Cover assemblage ----- Bolted to differential carrier

DIFFERENTIAL

Type ----- Two pinion in ArmaSteel housing supported by two taper roller bearings

AXLE

Type ----- Forged and hardened steel with integral drive flange
 Wheel bearings
 Type ----- Single row cylindrical roller
 Number used ----- 1 per wheel
 Oil seal ----- Steel encased, spring loaded synthetic rubber

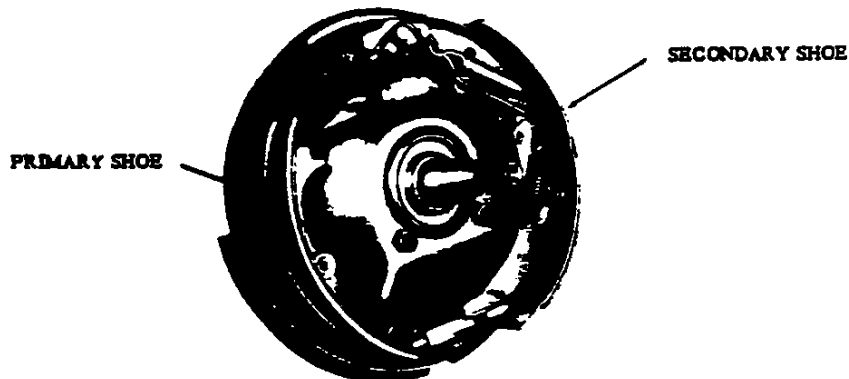
HYPOID AND PINION GEAR TOOTH COMBINATIONS

3.08 -----	37, 12
3.31 -----	43, 13
3.36 -----	37, 11
3.55 -----	39, 11
3.70 -----	37, 10
3.73 -----	41, 11

POSITRACTION DIFFERENTIAL (For availability, see POWER TRAINS)

Type ----- Two pinion with dual disc clutches

BRAKES



SERVICE BRAKES, Regular Production

General

Type ----- Duo servo,
4-wheel hydraulic, reverse self-adjusting

Line pressure, psi. @ 100 lb pedal load ----- 717

Braking ratios

Pedal ----- 5.63

Hydraulic ----- 4.82

Overall ----- 27.14

Distribution of braking effort (theoretical, percent)

Front wheels ----- 58.3

Rear wheels ----- 41.5

Brake drum

Diameter, front and rear ----- 11.0

Construction ----- Composite, web cast into rim

Material

Web ----- HR steel

Rim ----- Cast iron alloy

Swept drum area, sq. inches ----- 328.3

Brake lining

Material ----- Full molded asbestos composition

Length

Primary shoe ----- 9.25

Secondary shoe ----- 11.63

Width

Front wheel shoes ----- 2.75

Rear wheel shoes ----- 2.00

Thickness, minimum @ centerline ----- .168

Method of attachment ----- Bonded

Total effective area, sq. inches ----- 184.3

Gross lining area, sq. inches ----- 198.4

Master cylinder

Piston diameter ----- 1.00

Piston travel (with available pedal travel) ----- 1.15

Wheel cylinders

Piston diameter

Front ----- 1.1875

Rear ----- 1.00

Foot pedal travel ----- 6.48

PARKING BRAKE

Type ----- Mechanical; pull
rods and cables operate two rear service brakes

Total effective area, sq. inches ----- 76.5

Control ----- Apply by pendulum
foot pedal; release by T handle located below
instrument panel to left of steering column

STOP LIGHT SWITCH

Type ----- Mechanical, make-break, normally on

Location ----- At brake pedal

SERVICE BRAKES, METALLIC (RPO J65) (Same as SERVICE BRAKES, Regular Production, except as follows)

General

Line pressure, psi. @ 100 lb pedal load ----- 936

Braking ratios

Pedal ----- 5.63

Hydraulic ----- 6.30

Overall ----- 35.47

Brake lining

Material ----- Sintered iron segments

Size

Front wheel segments

Primary ----- 1.64 x 1.37 x .175

Secondary ----- 1.64 x 1.37 x .295

Rear wheel segments

Primary ----- 2.00 x 1.00 x .175

Secondary ----- 2.00 x 1.00 x .295

Segments per shoe

Primary, front and rear ----- 6

Secondary ----- 12

Front ----- 12

Rear ----- 10

Method of attachment ----- Welded

Total effective area, sq. inches ----- 145.2

Master cylinder

Piston diameter ----- .875

POWER BRAKES, RPO J50 (Same as SERVICE BRAKES, Regular Production except as follows)

General

Type ----- Vacuum power
unit added to assist regular production master
cylinder; integral

Pedal effort ----- Approximately
30% less than regular production service brakes
at same deceleration rate

Braking ratios

With regular production service brakes linings

Pedal ----- 5.65

Hydraulic ----- 4.82

Overall ----- 27.23

With metallic service brakes linings

Pedal ----- 5.65

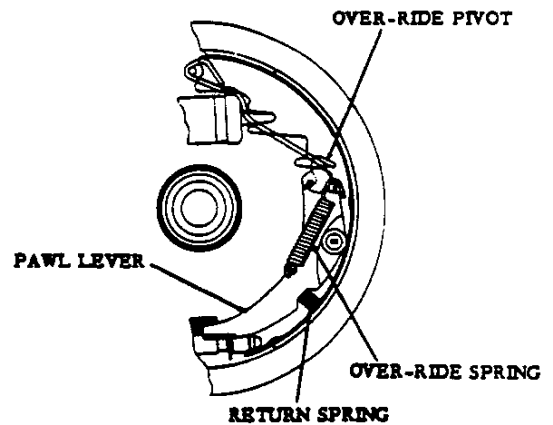
Hydraulic ----- 6.30

Overall ----- 35.60

Master cylinder

Piston travel (with available pedal travel) ----- .75

Foot pedal travel ----- 4.24



SELF-ADJUSTING MECHANISM

WHEELS AND TIRES

WHEELS

Type ----- Short spoke spider
 Attachment to hub ----- 5 hex nuts,
 7/16-20 UNF-2B, arranged on a 4.75 diameter
 bolt circle

Rim size
 Except wagons ----- 14x5J
 Wagons ----- 14x6JK

Offset
 14x5J ----- .56
 14x6JK ----- .06

TIRES

Type ----- Rayon, tubeless, blackwall
 Construction ----- 2 ply
 Size
 Except convertibles, wagons, 327 and
 ● 396 V-8 engine equipped vehicles ----- 7.35 x 14-4PR
 Convertibles and 327 engine
 equipped vehicles ----- 7.75 x 14-4PR
 ● Wagons and 396 V-8 engine
 equipped vehicles ----- 8.25 x 14-4PR

TIRE SPECIFICATIONS		7.35 x 14-4PR	7.75 x 14-4PR	8.25 x 14-4PR
Loaded rolling radius		12.5	13.05	12.9
Loaded rev/mi@50 MPH		805	774	755
Capacity (lb @ PSI)		1020@24	1120@24	1175@24
Recommended pressure (cold)	Front	24	24	24
	Rear	24	24	24 exc. wgn. 28

BULBS, FUSES, AND CIRCUIT BREAKERS

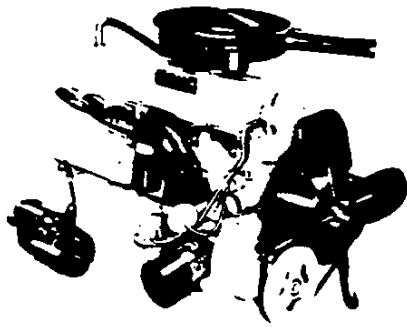
LAMP	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray	1-53	1
Automatic transmission position pattern	1-1895	2
Back up	2-1156	32
Clock	Except 16500 & 600, 2-1895	2
	16500 & 600, 1-1895	2
Courtesy	Instrument panel	6
	Rear quarter (9-passenger)	6
	Seat separator	6
Direction signal indicator	2-1445	1
Dome	Roof center	15
	Rear quarter	6
	Side rail	6
Generator indicator	1-1895	2
Glove compartment	1-1895	2
Headlamp bi-beam indicator	1-1895	2
Headlamp	Outer	High beam 37.5W
		Low beam 55.0W
	Inner	High beam 37.5W

Heater controls	2-1895	2
Ignition switch	1-1445	1
Instrument cluster	5-1895	2
License plate, rear	1-1155	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-1895	2
Parking		
Park		4
Turn	2-1157	32
Parking brake alarm	1-257	2
Radio	1-1893	2
Spot lamp		
Inside operated	1-4405	30W
Portable	1-4416	30W
Tachometer	1-1895	2
Tail		
Tail only (15500 & 600)	2-67	4
Tail, stop and turn	15000, 2-1157	Tail, 4; stop and turn, 32
	16000, 4-1157	Tail, 4; stop and turn, 32
Temperature indicator	2-1895	2
Traffic hazard indicator	1-1445	1
Underhood	1-93	15
Vacuum gage	2-1895	2

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	AGC 30 fuse	In line
	AGC 30 fuse	Fuse panel (g)
Ash tray lamp	AGC 3 fuse	Fuse panel (c)
Auto, trans. position pattern lamp	AGC 3 fuse	Fuse panel (c)
Back up lamps	AGC 10 fuse	Fuse panel (d)
Cigarette lighter	AGC 15 fuse	Fuse panel (b)
Clock	AGC 10 fuse	Fuse panel (d)
Clock lamps	AGC 3 fuse	Fuse panel (c)
Courtesy lamps	AGC 15 fuse	Fuse panel (b)
Defogging	AGC 10 fuse	Fuse panel (d)
Directional signal ind. lamps	AGC 3 fuse	Fuse panel (c)
Dome lamps	AGC 15 fuse	Fuse panel (b)
Fuel gage	AGC 10 fuse	Fuse panel (d)
Folding top motor	40 amp CB	Hinge pillar
Generator indicator lamp	AGC 10 fuse	Fuse panel (d)
Glove compartment lamp	AGC 15 fuse	Fuse panel (b)
Headlamps	15 amp CB	Light switch
Headlamps hi-beam ind. lamp	15 amp CB	Light switch
Heater	AGC 10 fuse	Fuse panel (g)
Heater controls lamps	AGC 3 fuse	Fuse panel (c)
Ignition switch lamp	AGC 3 fuse	Fuse panel (c)
Instrument cluster lamps	AGC 3 fuse	Fuse panel (c)
License plate lamp, rear	AGC 15 fuse	Fuse panel (b)
Luggage compartment lamp	AGC 15 fuse	Fuse panel (b)
Oil pressure indicator lamp	AGC 10 fuse	Fuse panel (d)
Overdrive solenoid	AGC 15 fuse	In line
Park and turn lamp	15 amp CB	Light switch
Parking brake alarm indicator lamp	AGC 10 fuse	Fuse panel (d)
Power seats	40 amp CB	Hinge pillar
Power windows	40 amp CB	Hinge pillar
Radio	AGC 2.5 fuse	Fuse panel (e)
Radio lamp	AGC 2.5 fuse	Fuse panel (e)
Spot lamp	AGC 15 fuse	In line
Inside operated	AGC 15 fuse	Fuse panel (b)
Portable	AGC 15 fuse	Fuse panel (b)
Tachometer	AGC 10 fuse	Fuse panel (d)
Tachometer lamp	AGC 3 fuse	Fuse panel (c)
Tail, stop and turn lamps	AGC 15 fuse	Fuse panel (b)
Tailgate motor	40 amp CB	Hinge pillar
Temperature gage	AGC 10 fuse	Fuse panel (d)
Temperature indicator lamps	AGC 10 fuse	Fuse panel (d)
Traffic hazard indicator lamp	AGC 15 fuse	Fuse panel (b)
Under hood lamp	SAE 4 fuse	In line
Windshield wiper, single-speed	SAE 20 fuse	Fuse panel (f)
Windshield wiper, two-speed	SAE 20 fuse	Fuse panel (f)
	14 amp CB	Switch

* Letter suffix indicates same circuit

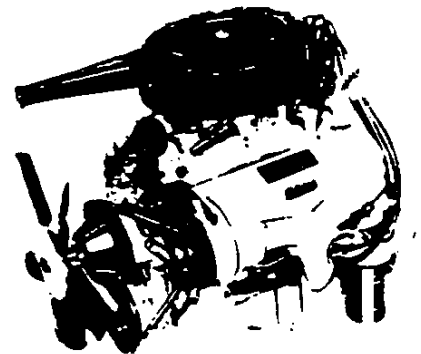




POWER TRAINS



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POWER TEAM COMBINATIONS

AXLE RATIOS**

ENGINE	EQUIPMENT	TRANSMISSION	AXLE RATIOS**				
			General Purpose Standard	Special Purpose or Mountain	Performance	Performance Cruise	High Performance
230 CUBIC INCH L-6 TURBO-THRIFT 230 140 HORSEPOWER	SINGLE BARREL CARBURETOR HYDRAULIC LIFTERS	3-SPEED & POWERGLIDE					
		SEDANS & COUPES	3.08:1	3.55:1	3.36:1		
		CONVERTIBLE	3.36:1	3.55:1			
		STATION WAGONS	3.55:1				
		OVERDRIVE					
		STATION WAGONS	3.73:1				
		REMAINING MODELS	3.70:1				
283 CUBIC INCH V-8 TURBO-FIRE 283 195 HORSEPOWER	2-BARREL CARBURETOR HYDRAULIC LIFTERS	3-SPEED & POWERGLIDE					
		15400 & 15600 SEDANS	3.08:1	3.55:1	3.36:1		
		16400 & 16600 MODELS	3.36:1	3.55:1			
		ALL STATION WAGONS	3.31:1	3.55:1			
		4-SPEED (2.56:1 low)					
		STATION WAGONS	3.31:1	3.55:1			
		REMAINING MODELS	3.36:1	3.55:1			
		OVERDRIVE					
		STATION WAGONS	3.73:1				
		REMAINING MODELS	3.70:1				
283 CUBIC INCH TURBO-FIRE 283 220 HP RPO L77	4-BARREL CARBURETOR HYDRAULIC FILTERS	3-SPEED, 4-SPEED & POWERGLIDE					
		STATION WAGONS	3.73:1	3.55:1			
		REMAINING MODELS	3.36:1	3.55:1			
		OVERDRIVE					
		STATION WAGONS	3.37:1				
REMAINING MODELS	3.70:1						
327 CUBIC INCH V-8 TURBO-FIRE 327 250 HP RPO L30	4-BARREL CARBURETOR HYDRAULIC LIFTERS	3-SPEED	3.31:1				
		3-SPEED HEAVY DUTY FULLY SYNCHRONIZED	3.31:1				
		4-SPEED (2.56:1 low)	3.31:1				
		POWERGLIDE				3.07:1 (Std.)	
327 CUBIC INCH V-8 TURBO-FIRE 327 300 HP RPO L74	LARGE 4-BARREL ALUMINUM CARBURETOR HYDRAULIC LIFTERS	3-SPEED (2.58:1 low)	3.31:1				
		4-SPEED (2.56:1 low)	3.31:1				
		POWERGLIDE	3.31:1				
396 CUBIC INCH V-8 TURBO-JET 396 325 HP RPO L35	QUADRAJET OR LARGE 4-BARREL CARBURETOR HYDRAULIC LIFTERS	3-SPEED HEAVY DUTY FULLY SYNCHRONIZED	3.31:1				
		4-SPEED (2.56:1 low)	3.31:1				
		POWERGLIDE	3.07:1				
		TURBO HYDRA-MATIC	2.73:1				
396 CUBIC INCH V-8 TURBO-JET 396 425 HP RPO L78	LARGE 4-BARREL CARBURETOR SPECIAL CAMSHAFT MECHANICAL LIFTERS	3-SPEED HEAVY DUTY FULLY SYNCHRONIZED	3.31:1				
		4-SPEED (2.56:1 low)	3.31:1			4.01:1*	
		4-SPEED (2.20:1 low)	3.31:1			4.56:1*	
						4.88:1*	

* - Available as postraction axle only.

** - Postraction axle ratios available in combinations shown.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	CARBU-RETION	TRANS-MISSION	TOTAL GEAR REDUCTION*					AXLE RATIO	MAXIMUM AXLE TORQUE LOW GEAR (LB-FT)#	
			1st	2nd	3rd	4th	Rev			
140 HP Six Cyl Turbo-Thrift	Single Barrel	3-Speed	9.06	5.17	3.08		9.06	3.08:1	1579	
		Over-drive	Out	10.88	6.22	3.70		10.88	3.70:1	1896
			In	7.62	4.35	2.59		7.62	3.70:1	1326
195 HP V-8 Turbo-Fire	2-Barrel	3-Speed	9.06	5.17	3.08		9.06	3.08:1	1887	
		Over-drive	Out	10.88	6.22	3.70		10.88	3.70:1	2265
			In	7.62	4.35	2.59		7.62	3.70:1	1585
		4-Speed	8.60	6.42	4.97	3.36	8.87	3.36:1	1791	
220 HP V-8 Turbo-Fire RPO L77	4-Barrel	3-Speed	9.88	5.65	3.36		9.88	3.36:1		
		Over-drive	Out	10.88	6.22	3.70		10.88	3.70:1	
			In	7.62	4.35	4.97		7.62	3.70:1	
		4-Speed	8.60	6.42	4.97	3.36	8.87	3.36:1		
250 HP V-8 Turbo-Fire RPO L30	4-Barrel	3-Speed	8.54	4.90	3.31		8.54	3.31:1		
		3-Speed H.D.	7.98	5.20	3.31		7.98	3.31:1		
		4-Speed	8.47	6.32	4.90	3.31	8.74	3.31:1		
300 HP V-8 Turbo-Fire RPO L74	4-Barrel Aluminum	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		
325 HP V-8 Turbo-Jet RPO L35	Quadrajet or 4-Barrel	3-Speed H.D.	7.98	5.20	3.31		7.98	3.31:1		
		4-Speed	8.47	6.32	4.90	3.31	8.74	3.31:1		
425 HP V-8 Turbo-Jet RPO L78	4-Barrel Spec. Cam.	3-Speed H.D.	7.98	5.20	3.31		7.98	3.31:1		
		4-Speed (2.56:1)	8.47	6.32	4.90	3.31	8.74	3.31:1		
		4-Speed (2.20:1)	7.28	5.43	4.24	3.31	7.51	3.31:1		

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
140 HP Six Cyl Turbo-Thrift	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
195 HP V-8 Turbo-Fire	Powerglide	Drive	11.77:1 - 3.08:1	3.08:1
		Low & Reverse	11.77:1 - 5.61:1	
220 HP V-8 Turbo-Fire RPO L77	Powerglide	Drive	12.83:1 - 3.36:1	3.36:1
		Low & Reverse	12.83:1 - 5.91:1	
250 HP V-8 Turbo-Fire RPO L30	Powerglide	Drive	11.36:1 - 3.07:1	3.07:1
		Low & Reverse	11.36:1 - 5.40:1	
300 HP V-8 Turbo-Fire RPO L74	Powerglide	Drive	12.25:1 - 3.31:1	3.31:1
		Low & Reverse	12.25:1 - 5.83:1	
325 HP V-8 Turbo-Jet RPO L35	Powerglide	Drive	11.36:1 - 3.07:1	3.07:1
		Low & Reverse	11.36:1 - 5.40:1	
325 HP V-8 Turbo-Jet RPO L35	Turbo Hydra-Matic	Drive	14.22:1 - 2.73:1	2.73:1
		Low	14.22:1 - 6.77:1	
		Second	8.49:1 - 4.04:1	
		Reverse	11.93:1 - 5.68:1	

* - Axle ratio x transmission ratio.

- Gear reduction x maximum net torque x efficiency factor (0.90 in drive, 0.85 all other).

ENGINE DATA AND RATINGS

GENERAL DATA

Engine Type	L-6 OHV	V-8 OHV				
Piston Displacement (Cu.In.)	230	283	327	396		
Availability	Standard	L77	RPO - L30	RPO - L35	RPO - L78	
Number of Cylinders	Six	Eight				
Bore and Stroke (nominal)	3.88 x 3.25	3.88 x 3.00	4.00 x 3.25	4.094 x 3.76		
Compression Ratio	8.5:1	9.25:1	10.5:1	10.25:1	11.0:1	
Taxable (SAE) Horsepower	36.0	48.0	51.2	53.6		
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2				
Idling Speed	Synchromesh (in Neutral)	500			700	
	Overdrive (in Neutral)	500				
	Powerglide & Hydra-Matic* (in Drive)	475				
Compression Pres. (PSI) @ Cranking Speed, Engine Hot	140	150		160		
Power Plant Mountings	Front	Two: combination compression & shear type				
	Rear	One, full shear type				
Measurements	Fan to rear of engine block	34.96	30.14	30.64	31.66	32.31
	Top of air cleaner to bottom of oil pan	26.67	29.57	29.96	29.38	29.69
	Width - including generator	28.37	28.92	28.92	31.48	31.34

* Available with RPO - L35 only.

ADVERTISED ENGINE RATINGS

Engine Designation	L-6, 140 HP Turbo-Thrift 230 Cu.In.	V-8, 195 HP Turbo-Fire 283 Cu.In.	V-8, 220 HP Turbo-Fire 283 Cu.In.	V-8, 250 HP Turbo-Fire 327 Cu.In.	V-8, 300 HP Turbo-Fire 327 Cu.In.	V-8, 325 HP Turbo-Jet 396 Cu.In.	V-8, 425 HP Turbo-Jet 396 Cu.In.	
Availability	Standard	Standard	RPO - L77	RPO - L30	RPO - L74	RPO - L35	RPO - L78	
Carburetor	Single Barrel	Two Barrel	Four Barrel	Four Barrel	Aluminum Four Barrel	Quadrajet or Four Barrel	Four Barrel	
Brake HP @ RPM	Gross	140 @ 4400	195 @ 4800	220 @ 4800	250 @ 4400	300 @ 5000	325 @ 4800	425 @ 6400
	Net	120 @ 3600	150 @ 4400		210 @ 4400			
Torque @ RPM (lb-ft)	Gross	220 @ 1600	285 @ 2400	295 @ 3200	350 @ 2800	360 @ 3200	410 @ 3200	415 @ 4000
	Net	205 @ 1600	245 @ 2400		315 @ 2600			

ENGINE SPEED AND PISTON TRAVEL

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 (b)	3.70:1 (c)		3.08:1 (b)	
Tire Size	7.35 x 14-4PR (a)				
Crankshaft Revolutions per Mile	2470.2	2967.4	2077.2	2470.2	
Crankshaft RPM @ 1 MPH	Low	121.0	145.4	101.8	74.9
	Second	69.2	83.1	58.2	
	Third	41.2	49.5	34.6	41.2 (direct)
	Reverse	121.0	145.4	101.8	74.9
Piston Travel (ft/mile)	1338.0	1620.4	1134.3	1338.0	

(a) 7.75 x 14-4PR standard on Convertible and 8.25 x 14-4PR standard on Station Wagons.

(b) 3.36:1 on Convertibles and 3.55:1 on Station Wagons.

(c) 3.73:1 on Station Wagons.

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 (c)		3.36:1	3.08:1 (b)	
Tire Size	7.35 x 14-4PR (a)					
Crankshaft Revolutions per Mile	2470.2	2967.4	2077.2	2694.7	2470.2	
Crankshaft RPM @ 1 MPH	Low	121.0	145.4	101.8	115.0	74.9
	Second	69.2	83.1	58.2	85.8	
	Third	41.2	49.5	34.6	66.5	41.2 (direct)
	Fourth				44.9	
	Reverse	121.0	145.4	101.8	118.6	74.9
Piston Travel (ft/mile)	1235.0	1483.7	1038.6	1347.4	1235.0	

(a) 7.75 x 14-4PR on Convertibles and 8.25 x 14-4PR on Station Wagons.

(b) 3.36:1 on 16400 & 16800 models excluding Station Wagons; All Station Wagons 3.31:1.

(c) 3.73:1 on Station Wagons.

327 CUBIC INCH V-8 ENGINE

Transmission	3-Speed	4-Speed	Powerglide	
Rear Axle Ratio	3.31:1		3.07:1	
Tire Size	7.75 x 14-4PR (a)			
Crankshaft Revolutions per Mile	2581.8		2394.6	
Crankshaft RPM @ 1 MPH	Low	111.0	110.2	75.7
	Second	63.7	82.2	
	Third	43.0	63.7	
	Fourth		43.0	39.9 (direct)
	Reverse	111.0	113.6	75.7
Piston Travel (ft/mile)	1398.5		1297.1	

(a) 8.25 x 14-4PR standard on Station Wagons.

● 396 CUBIC INCH V-8 ENGINE

Transmission	325 HP - RPO L35				425 HP - RPO L78			
	3-Spd. H.D.	4-Speed	Pwr/Glide	Trb. Hyd.	3-Spd. H.D.	4-Spd(2.56)	4-Spd(2.20)	
Rear Axle Ratio	3.31:1				3.31:1			
Tire Size	7.75 x 14-4PR (a)				8.25 x 14-4PR			
Crankshaft Revolutions per Mile	2581.8		2394.6	2129.4	2525.5			
Crankshaft RPM @ 1 MPH	Low	103.7	110.2	75.7	106.7	101.4	107.8	92.6
	Second	67.5	82.2		63.7	66.1	80.4	69.0
	Third	43.0	63.7	43.0 (direct)		42.1	62.3	53.5
	Fourth		43.0					42.1
	Reverse	103.7	113.6	75.7	89.5	101.4	111.1	95.5
Piston Travel (ft/mile)	1617.9		1500.6	1334.4	1582.6			

(a) 8.25 x 14-4PR standard on Station Wagons.

VEHICLE PERFORMANCE FACTORS

ENGINE	BASE 230 CU.IN. 140 HP	BASE 283 CU.IN. 195 HP	RPO L77 283 CU.IN. 220 HP	RPO L30 327 CU.IN. 250 HP	RPO L35 396 CU.IN. 325 HP	RPO L78 396 CU.IN. 375 HP
MODEL	15369	15469	15469	15469	15469	15469

3-SPEED TRANSMISSION

Performance Weight (pounds)	4125	4285	4318	4391	4561	4585
Pounds per Gross Horsepower	29.46	21.99	19.63	17.56	14.03	10.78
Pounds per Cu.In. Displacement	17.93	15.15	15.26	13.43	11.52	11.58
Gross HP per Cu.In. Displacement	.609	.689	.777	.764	.821	1.073
Power Displacement (cu.ft./mile)	164.39	202.27	220.66	244.28	295.83	289.38
Displacement Factor (cu.ft./ton mile)	79.80	94.34	102.21	111.80	129.75	126.26

3-SPEED TRANSMISSION WITH OVERDRIVE

Performance Weight (pounds)	4159	4322	4345			
Pounds per Gross Horsepower	29.70	22.16	19.75			
Pounds per Cu.In. Displacement	18.08	15.27	15.35			
Gross HP per Cu.In. Displacement	.609	.689	.777			
Power Displacement (cu.ft./mile)	Locked Out	199.08	244.96	244.96		
	Locked In	139.36	171.47	171.47		
Displacement Factor (cu.ft./ton mile)	Locked Out	95.76	113.35	112.78		
	Locked In	67.03	79.35	78.95		

4-SPEED TRANSMISSION

Performance Weight (pounds)		4295	4328	4398	4539	4563
Pounds per Gross Horsepower		22.03	19.67	17.59	13.97	10.74
Pounds per Cu.In. Displacement		15.18	15.29	13.45	11.46	11.52
Gross HP per Cu.In. Displacement		.689	.777	.764	.821	1.073
Power Displacement (cu.ft./mile)		220.66	220.66	244.28	295.83	289.38
Displacement Factor (cu.ft./ton mile)		102.78	101.97	111.09	130.38	126.86

TURBO HYDRA-MATIC

Performance Weight (pounds)					4667	
Pounds per Gross Horsepower					14.36	
Pounds per Cu.In. Displacement					11.79	
Gross HP per Cu.In. Displacement					.821	
Power Displacement (cu.ft./mile)					243.99	
Displacement Factor (cu.ft./ton mile)					104.58	

POWERGLIDE*

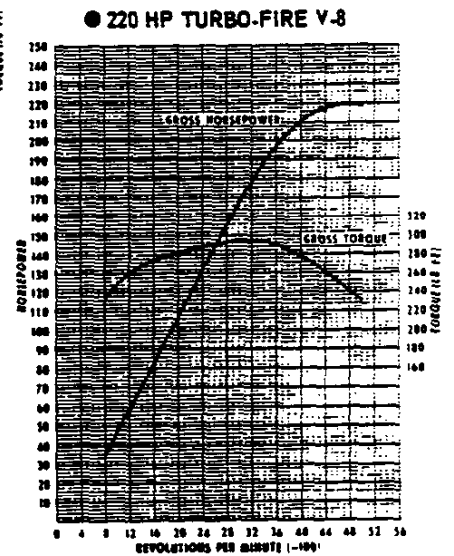
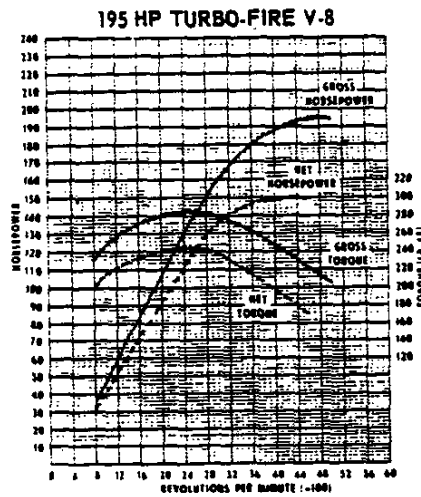
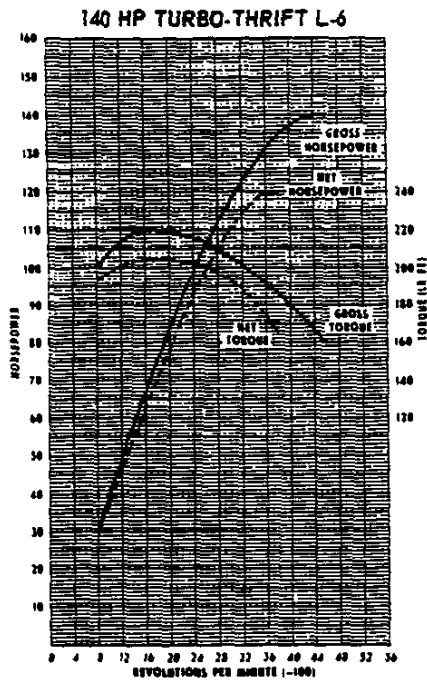
Performance Weight (pounds)	4143	4307	4337	4410	4543	
Pounds per Gross Horsepower	29.59	22.09	19.71	17.64	13.98	
Pounds per Cu.In. Displacement	18.01	15.22	15.32	13.49	11.47	
Gross HP per Cu.In. Displacement	.609	.689	.777	.764	.821	
Power Displacement (cu.ft./mile)	164.39	202.27	220.66	226.57	274.38	
Displacement Factor (cu.ft./ton mile)	79.38	93.95	101.78	102.75	120.77	

* - 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	$\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

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.

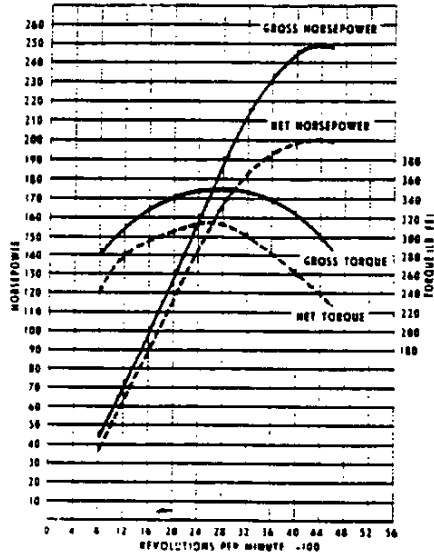
GROSS POWER and TORQUE were obtained in a regular dynamometer test with the dynamometer exhaust system.

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

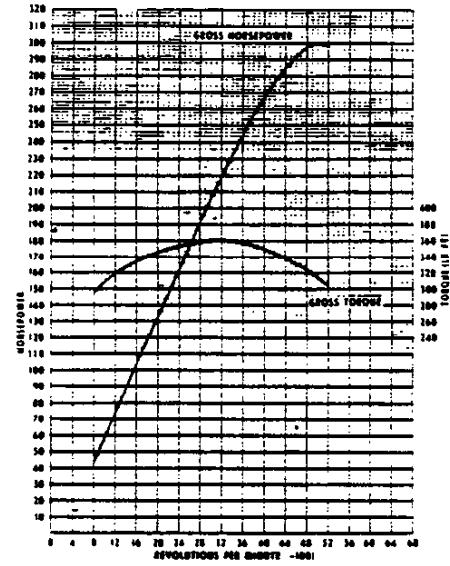
NET POWER and TORQUE were obtained from a dynamometer test simulating actual operating conditions when the engine is in its vehicle, except the generator is not charging.

ENGINE OUTPUT CURVES—Cont'd.

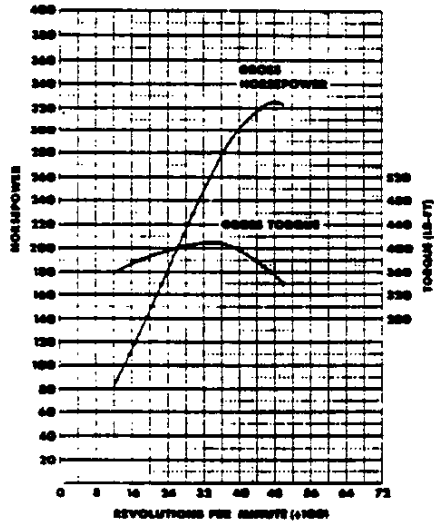
250 HP TURBO-FIRE V-8



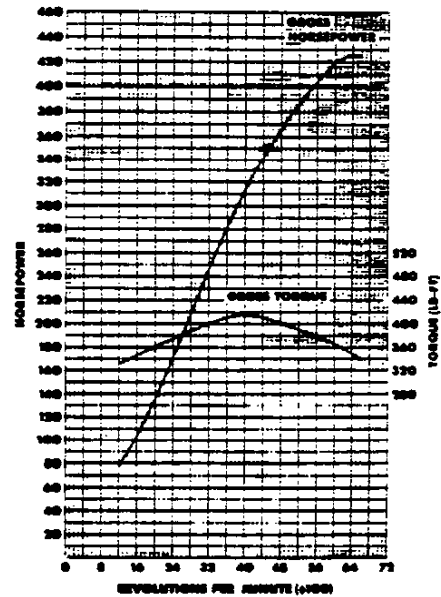
300 HP TURBO-FIRE V-8



● 325 HP TURBO-JET V-8



● 425 HP TURBO-JET 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.

PRINCIPAL COMPONENTS

CYLINDER BLOCK

Material -----Cast alloy iron
 Bore diameter
 L6 - 230 Cu.In. ----- 3.8745-3.8775
 V8 - 283 Cu.In. ----- 3.8745-3.8775
 V8 - 327 Cu.In. ----- 3.9995-4.0025
 V8 - 396 Cu.In. ----- 4.0925-4.0955
 No. of Bulkheads
 L6 ----- 7
 V8 ----- 5
 Water Jacket ----- Full length around each cylinder
 Cylinder Numbering Arrangement
 L6 ----- 1-2-3-4-5-6
 V8 ----- Left Bank 1-3-5-7
 Right Bank 2-4-6-8
 Bore Spacing (Centerline to Centerline)
 L6 - 230 Cu.In. ----- 4.4
 V8 - 283 & 327 Cu.In. ----- 4.4
 V8 396 Cu.In. ----- 4.84

CYLINDER HEAD

Material ----- High chrome cast alloy iron
 Bolt No. & Size
 L6 - 230 Cu.In. ----- 10; .500 dia. 13 threads/in.
 V8 - 283 & 327 Cu.In. ----- 34; .4375 dia. 14 threads/in.
 V8 - 396 Cu.In. ----- 36; .4375 dia. 14 threads/in.

COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)
 L6 - 230 Cu.In. ----- 5.29 Cu.In.
 V8 - 283 Cu.In. ----- 4.39 Cu.In.
 V8 - 327 Cu.In. ----- 4.49 Cu.In.
 V8 - 396 Cu.In. (RPO L35) ----- 5.38 Cu.In.
 V8 - 396 Cu.In. (RPO L78) ----- 4.95 Cu.In.

INLET MANIFOLD

Material ----- Cast alloy iron
 V8 - 396 (RPO L78) cast aluminum alloy
 Type
 L6 ----- 3 port, rectangular section
 V8 ----- 8 port, double deck
 Heat Provision ----- Exhaust gas cross-over at carburetor mtg. pad

EXHAUST MANIFOLD

Material ----- Cast alloy iron
 Type
 L6 - 230 Cu.In. -- 4 port, rectangular, center downtake
 V8 - 283 & 327 Cu.In. --- Dual, 4 port, center downtake
 V8 - 396 Cu.In. ---- Tuned, dual, 4 port, rear downtake
 Outlet Diameter
 L6 - 230 Cu.In. ----- 2.0
 V8 - 283 & 327 Cu.In. ----- 2.0
 V8 - 396 Cu.In. ----- 2.5

CRANKSHAFT

Material
 L6 - 230 Cu.In. ----- Cast nodular iron
 V8 - 283 Cu.In. ----- Cast nodular iron or forged steel
 V8 - 327 & 396 Cu.In. ----- Forged steel
 End Play
 L6 - 230 Cu.In. ----- .002 - .006
 V8 - 283 & 327 Cu.In. ----- .002 - .006
 V8 - 396 Cu.In. ----- .006 - .010
 Counter Weights
 L6 ----- 4
 V8 ----- 6
 Crank Arm Length
 L6 - 230 Cu.In. ----- 1.625
 V8 - 283 Cu.In. ----- 1.50
 V8 - 327 Cu.In. ----- 1.625
 V8 - 396 Cu.In. ----- 1.88
 Vibration Damper
 L6 - 230 Cu.In. ----- Rubber mounted inertia
 V8 - 283 Cu.In. ----- None
 V8 - 327 & 396 Cu.In. ----- Rubber mounted inertia
 Timing Gear
 L6 ----- Steel, helical cut
 V8 ----- Steel; sprocket & chain
 Pulley Pitch Diameter ----- 6.64

MAIN BEARINGS

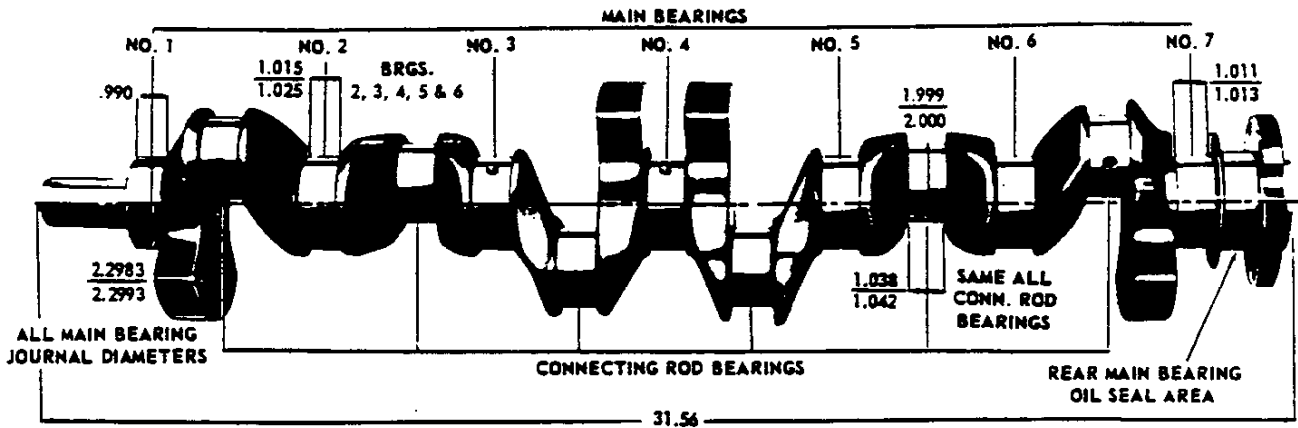
Material
 L6 & V8-283 ---- Copper lead alloy or sintered copper nickel backed babbit on steel
 V8-327 ----- Premium aluminum except No. 5 upper sintered copper nickel backed babbit
 V8-396 ----- Premium aluminum except No. 5 sintered copper nickel backed babbit
 Type ----- Precision removable
 Thrust Against Bearing No. ----- L6 - No.7; V8 - No.5
 Clearance
 L6 & V8-283 ----- .0003 - .0029
 V8-327 ----- (#1-4) .0008-.0034; (#5) .0010-.0036
 V8-396 (RPO L35) -- (#1-4) .0006-.0022; (#5) .0013-.0029
 V8-396 (RPO L78) -- (#1-4) .0004-.0028; (#5) .0017-.0033

Dimensions	Theoretical	Effective	Projected
	Inner Dia.	Length	Area
L6 - 230 Cu.In.			
Bearing #1-6	2.3004	.752	1.7299
Bearing #7	2.3004	.760	1.7483
V8 - 283 Cu.In.			
Bearing #1	2.3008	.752	1.7302
Bearing #2-4	2.3004	.752	1.7299
Bearing #5	2.3004	1.177	2.7076
V8 - 327 Cu.In.			
Bearing #1	2.3013	.752	1.7306
Bearing #2-4	2.3009	.752	1.7303
Bearing #5	2.3006	1.1824	2.7202
V8 - 396 Cu.In. (RPO L35)			
Bearing #1-4	2.7506	.992	2.7290
Bearing #5	2.7513	1.2525	3.4460
V8 - 396 Cu.In. (RPO L78)			
Bearing #1-4	2.7508	.992	2.7288
Bearing #5	2.7512	1.2525	3.4446

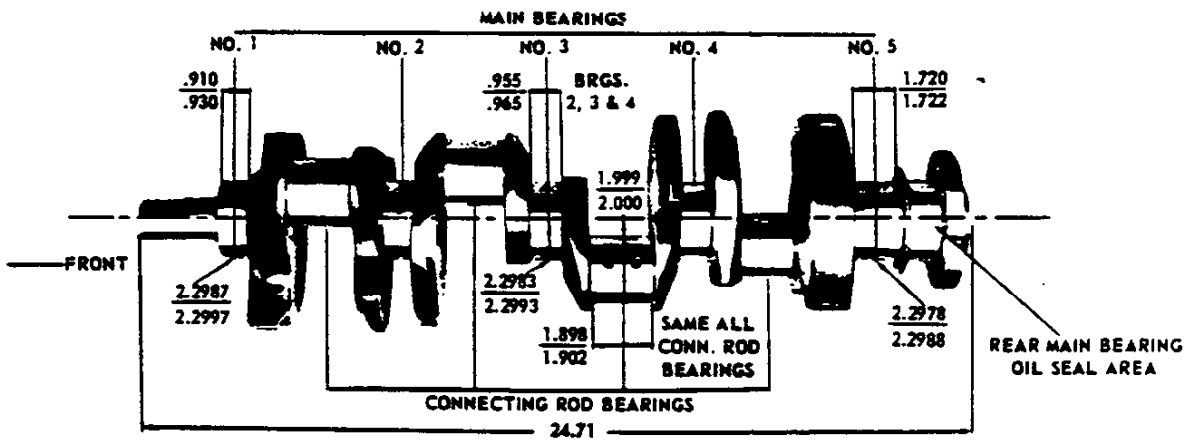
PRINCIPAL COMPONENTS—Cont'd.

CRANKSHAFTS AND BEARINGS

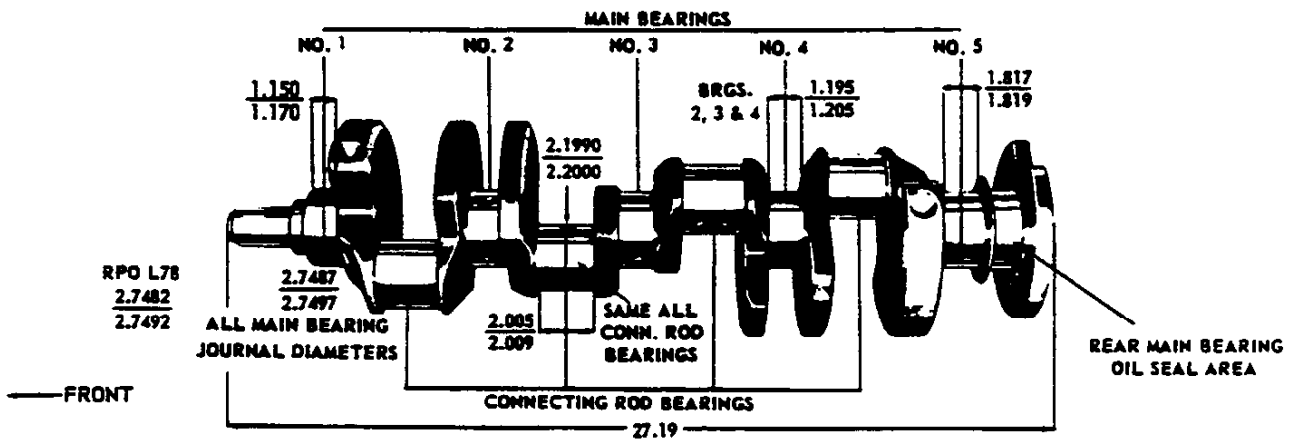
230 CUBIC INCH SIX CYLINDER ENGINE



283 and 327 CUBIC INCH V-8 ENGINES



396 CUBIC INCH V-8 ENGINE



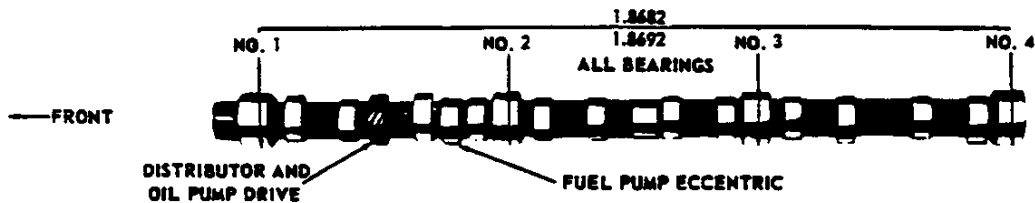
CAMSHAFT	
Material	Cast alloy iron
Drive	
L6	Gear; bakelite and fabric composition with steel hub
V8	Sprocket & chain; steel
Lobe Lift	
L6 .....	.1896 Inlet & Exhaust
V8-283 & 327 .....	.2658 Inlet & Exhaust
V8-396 (RPO L35) .....	.2343 Inlet & Exhaust
V8-396 (RPO L78) .....	.3057 Inlet & Exhaust
Bearings	Steel backed babbit

VALVE TRAIN	
Type	Individually mounted, overhead rocker arms, push rod actuated
Lifters	Hydraulic RPO L78 - Mechanical
Push Rods	
Type	Hollow steel
Ends	
L6, V8-283 & 327	Hardened
V8-396	Carburized steel inserts
Rocker Arms	
Material	Stamped steel
Ratio	
L6	1.75:1
V8-283 & 327	1.50:1
V8-396	1.70:1

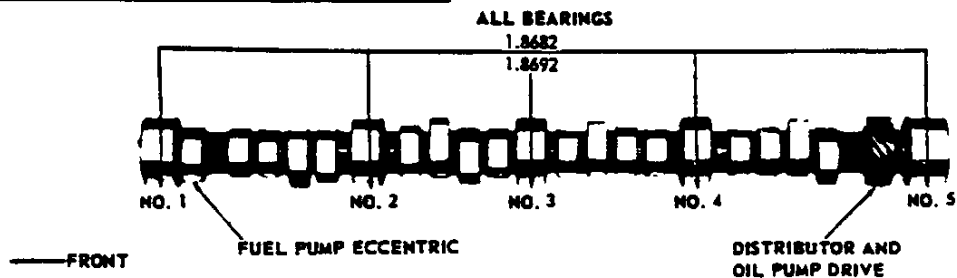
VALVE SPRINGS	
Diameter (I.D.)	
L6 .....	.872-.888
V8-283 .....	.872-.888
V8-327 .....	.872-.888
V8-396	1.082-1.098
Installed Length (in. @ lb)	
Valves Closed	
L6	1.66 @ 56-64
V8-283	1.66 @ 78-86
V8-327	1.66 @ 78-86
V8-396 (RPO L35)	1.88 @ 84-96
V8-396 (RPO L78)	1.88 @ 94-106
Valves Opened	
L6	1.33 @ 170-184
V8-283	1.26 @ 170-180
V8-327	1.26 @ 170-180
V8-396 (RPO L35)	1.46 @ 210-230
V8-396 (RPO L78)	1.38 @ 303-327
Free Length	
L6	1.92
V8-283	2.08
V8-327	2.08
V8-396 (RPO L35)	2.11
V8-396 (RPO L78)	2.09
Valve Spring Damper	
L6	None
V8-283	Flat steel, 4 coils
V8-327	Flat steel, 4 coils
V8-396	Flat steel, 3.62 coils

CAMSHAFT AND BEARINGS

230 CUBIC INCH SIX CYLINDER ENGINE



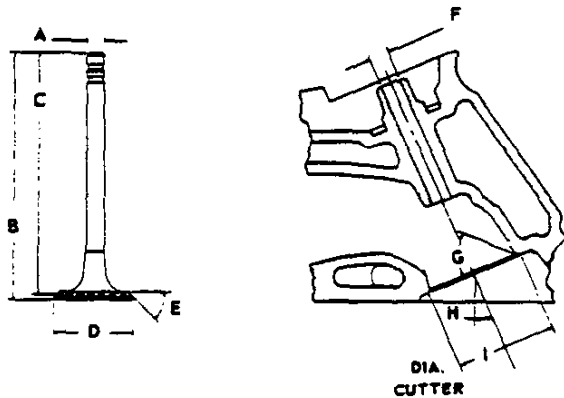
283 and 327 CUBIC INCH V-8 ENGINES



PRINCIPAL COMPONENTS—Cont'd.

VALVES - INLET

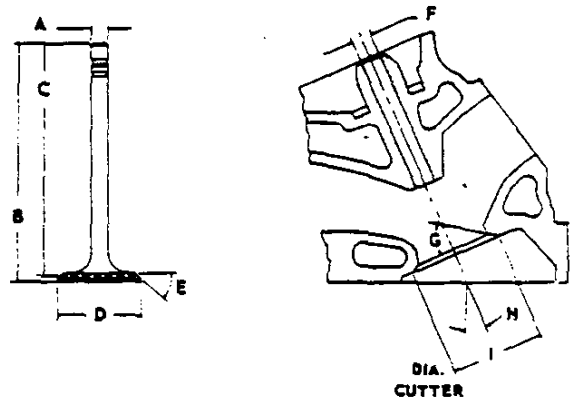
Material ----- Alloy steel
 Coating -----
 L6, V8-283 & 327 Cu.In. ----- None
 V8-396 ----- Face & head
 aluminized; chrome flash stem on RPO L78



A - Stem Diameter	
L6, V8-283 & 327 -----	.3404-.3417
V8-396 -----	.3715-.3722
B - Overall Length	
L6, V8-283 -----	4.902-4.922
V8-327 -----	4.870-4.889
V8-396 (RPO L35) -----	5.215-5.235
V8-396 (RPO L78) -----	5.204-5.224
C - Gage Length	
L6, V8-283 & 327 -----	4.785-4.795
V8-396 -----	5.115-5.125
D - Overall Head Diameter	
L6, V8-283 -----	1.715-1.725
V8-327 -----	1.935-1.945
V8-396 (RPO L35) -----	2.060-2.070
V8-396 (RPO L78) -----	2.185-2.195
E - Angle of Face -----	45°
F - Guide Diameter	
L6, V8-283 & 327 -----	.3427-.3437
V8-396 -----	.3732-.3742
G - Angle of Seat -----	
46°	
H - Valve Angle	
L6 -----	9°
V8-283 & 327 -----	23°
V8-396 -----	4°
I - Valve Seat (Cutter) Diameter	
L6, V8-283 -----	1.770-1.790
V8-327 -----	1.990-2.010
V8-396 -----	2.580

VALVES - EXHAUST

Material ----- High alloy steel
 Coating -----
 L6-230 Cu.In. ----- None
 V8-283 & 327 Cu.In. ----- Aluminized face
 V8-396 ----- Face & head
 aluminized; chrome flash stem on RPO L78



A - Stem Diameter	
L6, V8-283 & 327 -----	.3410-.3417
V8-396 -----	.3713-.3720
B - Overall Length	
L6 -----	4.913-4.933
V8-283 & 327 -----	4.913-4.933
V8-396 -----	5.345-5.365
C - Gage Length	
L6 -----	4.781-4.791
V8-283 & 327 -----	4.781-4.791
V8-396 -----	5.235-5.245
D - Overall Head Diameter	
L6 -----	1.495-1.505
V8-283 & 327 -----	1.495-1.505
V8-396 -----	1.715-1.725
E - Angle of Face -----	45°
F - Guide Diameter	
L6 -----	.3427-.3437
V8-283 & 327 -----	.3427-.3437
V8-396 -----	.3732-.3742
G - Angle of Seat -----	
46°	
H - Valve Angle	
L6 -----	9°
V8-283 & 327 -----	23°
V8-396 -----	4°
I - Valve Seat (Cutter) Diameter	
L6 -----	1.550-1.570
V8-283 & 327 -----	1.550-1.570
V8-396 -----	2.120

VALVE LIFT

L6	.....	.3318 Inlet & Exhaust
V8-283 & 327	.....	.3987 Inlet & Exhaust
V8-396 (RPO L35)	.....	.3983 Inlet & Exhaust
V8-396 (RPO L78)	.....	.5197 Inlet & Exhaust

VALVE TRAIN LASH

L6	.....	Zero: Inlet & Exhaust
V8-283 & 327	.....	Zero: Inlet & Exhaust
V8-396 (RPO L35)	.....	Zero: Inlet & Exhaust
V8-396 (RPO L78)	.....	.020 Inlet; .020 Exhaust

VALVE TIMING (Crankshaft degrees)

L6 - 230 Cu. In.	Excluding Ramps	Including Ramps
Inlet Valve		
Opens - BTC	16°	62°
Closes - ABC	48°	94°
Duration	244°	336°
Exhaust Valve		
Opens - BBC	46°30'	92°30'
Closes - ATC	17°30'	62°30'
Duration	244°	336°

V8 - 283 & 327 Cu. In.	Excluding Ramps	Including Ramps
Inlet Valve		
Opens - BTC	12°30'	32°30'
Closes - ABC	57°30'	87°30'
Duration	250°	300°
Exhaust Valve		
Opens - BBC	54°30'	74°30'
Closes - ATC	15°30'	45°30'
Duration	250°	300°

V8 - 396 Cu. In. - RPO L35	Excluding Ramps	Including Ramps
Inlet Valve		
Opens - BTC	28°	40°
Closes - ALC	78°	102°
Duration	286°	322°
Exhaust Valve		
Opens - BBC	75°	87°
Closes - ATC	31°	55°
Duration	286°	322°

V8 - 396 Cu. In. - RPO L78	Including Ramps
Inlet Valve (Opens with .020 Lash)	
Opens - BTC	54°
Closes - ABC	102°
Duration	336°
Exhaust Valve (Closes with .020 Lash)	
Opens - BBC	102°
Closes - ATC	54°
Duration	336°

PISTONS

Material	L6	.....	Cast aluminum alloy
	V8-283, 327 & 396 (RPO L35)	---	Cast aluminum alloy
	V8-396 (RPO L78)	-----	Aluminum impact extruded

Head Type

L6, V8-283 & 327	.....	Flat, notched
V8-396	-----	Domed head, valve cutout

Skirt Type

	-----	Slipper
--	-------	---------

Top Land Clearance

L6 & V8-283	-----	.035-.044
V8-327	-----	.0365-.0455
V8-396 (RPO L35)	-----	.0305-.0375
V8-396 (RPO L78)	-----	.0265-.0335

Skirt Clearance

L6, V8-283 & 327	-----	.0005-.0011
V8-396 (RPO L35)	-----	.0007-.0013
V8-396 (RPO L78)	-----	.0027-.0033

Compression Ring Groove Depth

L6, V8-283	-----	.2153-.2218
V8-327	-----	.2217-.2283
V8-396	-----	.2253-.2318

Oil Ring Groove Depth

L6, V8-283	-----	.2093-.2158
V8-327	-----	.2038-.2103
V8-396 (RPO L35)	-----	.2098-.2168
V8-396 (RPO L78)	-----	.2118-.2128

Pin Bore Offset

V8-396 (RPO L78)	-----	.055-.065
------------------	-------	-----------

Compression Height

L6, V8-283	-----	1.799-1.801
V8-327	-----	1.674-1.676
V8-396 (RPO L35)	-----	1.935-1.957
V8-396 (RPO L78)	-----	2.125-2.129

COMPRESSION RINGS - UPPER

Material ----- Cast alloy iron

Type ----- Inside bevel (bottom of ring 30 degrees of piston vertical axis); ring face-tapered

V8-396 No inside bevel; barrel face
Coating ----- Chrome plate

V8-396 (L78) Molybdenum

Width ----- .0775-.0780
 V8-396 (L78) .0620-.0625

Wall Thickness

L6, V8-283	-----	.179-.194
V8-327	-----	.190-.200
V8-396 (L35)	-----	.185-.195
V8-396 (L78)	-----	.198-.204

Gap

L6, V8-283	-----	.010-.020
V8-327	-----	.013-.023
V8-396	-----	.010-.020

PRINCIPAL COMPONENTS—Cont'd.

COMPRESSION RINGS - LOWER

Type		One ring
L6, V8-283	-----	One ring
V8-327	-----	One ring & one expander
Ring		
Material	-----	Cast alloy iron
Inside Bevel		
L6, V8-283-327-396 (L78)	-----	Top edge 30 degrees to piston vertical axis
V8-396 (L35)	-----	Top edge 48-52 degrees to piston vertical axis
Face	-----	Tapered; wear resistant coating
V8-396 (L78)	-----	Molybdenum coating
Width		
L6, V8-283	-----	.0770-.0780
V8-327 & 396 (L35)	-----	.0770-.0775
V8-396 (L78)	-----	.0620-.0625
Wall Thickness		
L6, V8-283	-----	.184-.194
V8-327	-----	.164-.170
V8-396 (L35)	-----	.194-.204
V8-396 (L78)	-----	.190-.200
Gap		
L6, V8-283	-----	.010-.020
V8-327	-----	.013-.025
V8-396	-----	.010-.020
Expander		
Material	-----	Steel
Width	-----	.068-.074
Wall Thickness	-----	.02075

OIL CONTROL RINGS

Type	-----	Multi-piece (Two rails & one spacer)
Material		
Rails	-----	Steel
Spacer	-----	Alloy steel
Width		
L6	-----	.1840-.1880
V8-283 & 327	-----	.1840-.1880
V8-396	-----	.1890-.1910
Wall Thickness		
L6	-----	.150-.156
V8-283 & 327	-----	.150-.156
V8-396	-----	.135-.141
Gap	-----	.015-.055
V8-396	-----	.010-.030
Rail Coatings	-----	Chrome plated

PISTON PINS

Material	-----	Chromium steel
Length		
L6	-----	2.990-3.010
V8-283 & 327	-----	2.990-3.010
V8-396	-----	2.930-2.950
Diameter		
L6	-----	.9270-.9273
V8-283 & 327	-----	.9270-.9273
V8-396	-----	.9895-.9898
Clearance in Piston		
L6	-----	.00015-.00025
V8-283 & 327	-----	.00015-.00025
V8-396 (L35)	-----	.00030-.00040
V8-396 (L78)	-----	.00025-.00035
Pin Mounting	-----	Locked in rod by shrink fit

CONNECTING RODS

Material	-----	Drop forged steel
Length (center to center)		
L6	-----	5.699-5.701
V8-283 & 327	-----	5.699-5.701
V8-396	-----	6.134-6.136

CONNECTING ROD BEARINGS

Material		
L6, V8-283	-----	Copper lead alloy or sintered copper nickel backed babbitt on steel
V8-327	-----	Premium aluminum
Type	-----	Precision removable
Clearance		
L6, V8-283	-----	.0007-.0027
V8-327	-----	.0007-.0028
V8-396 (L35)	-----	.0009-.0025
V8-396 (L78)	-----	.0014-.0030
Theoretical I.D.		
L6, V8-283	-----	2.0016
V8-327	-----	2.0017
V8-396	-----	2.2012
Effective Length		
L6, V8-283 & 327	-----	.807
V8-396	-----	.857
End Play		
L6, V8-283 & 327	-----	.009-.013
V8-396	-----	.016-.020

FUEL TANK

Capacity (Gal)	
Sedans & Coupes	20 (approximately)
Station Wagons	24 (approximately)
Fuel Tank Location	
Sedans & Coupes	Behind rear axle
Station Wagons	In left quarter panel behind rear wheel
Filler Location	
Sedans & Coupes	Behind hinged rear license plate
Station Wagons	Left rear quarter panel

FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
L6, V8-283 & 327 (RPO L30)	Sintered bronze filter in carburetor inlet
V8-327 (RPO L74)	Glass bowl with paper element, between carb. and fuel pump
V8-396 (RPO L35)	Sintered bronze filter in carburetor inlet
V8-396 (RPO L78)	In-line paper element, between carb. and fuel pump

FUEL PUMP ASSEMBLY

Type	Mechanical; diaphragm
Drive	Camshaft, eccentric
Location	Right side front of engine
Pressure Range	
L6	3.50-4.50 PSI
V8	5.25-6.50 PSI

AIR CLEANER

Type	
L6	Cylindrical, single air horn
V8-283 & 327	Cylindrical, single air horn
V8-396 (RPO L35)	Cylindrical, single air horn
V8-396 (RPO L78)	Cylindrical, dual air horns
Diameter	
L6	13.00
V8-283 & 327	15.20
V8-396	16.78
Filter Element	
L6	Oil-wetted polyurethane
V8	Oil wetted paper

CARBURETORS

Make and Type	
L6	Rochester, single barrel, downdraft
V8-283	Rochester, 2-barrel, downdraft
V8-283 (RPO L77)	Rochester, 4-barrel, downdraft
V8-327 (RPO L30)	Carter-Synchromesh; Carter & Rochester-Powerglide; 4-barrel downdraft
V8-327 (RPO L74)	Carter, 4-barrel, aluminum, downdraft
V8-396 (RPO L35)	Holley, 4-barrel downdraft or Rochester, Quadrajet, downdraft
V8-396 (RPO L78)	Holley, 4-barrel downdraft
SAE Flange Size	
L6	1.50
V8-283	1.25
V8-327 & 396	1.50
Throttle Bore	
L6	1.56
V8-283	1.44
V8-283 (RPO L77)	
Primary & Secondary	1.44
V8-327 (RPO L30)	
Primary & Secondary	1.4375
V8-327 (RPO L74)	
Primary	1.5625
Secondary	1.6875
V8-396 (RPO L35)	
Holley, Primary & Secondary	1.561
Rochester, Primary	1.38
Secondary	2.25
V8-396 (RPO L78)	
Primary & Secondary	1.686
Secondary Throttle Actuation	By linkage approximately when primary valves are opened half way between closed and open
Venturi Diameter	
L6	1.34
V8-283	1.09
V8-283 (RPO L77)	
Primary	1.375
Secondary	1.4375
V8-327 (RPO L30)	
Primary	1.06
Secondary	1.25
V8-327 (RPO L74)	
Primary	1.25
Secondary	1.56
V8-396 (RPO L35)	
Holley, Primary	1.25
Secondary	1.4375
Rochester, Primary	1.093
Secondary	Air valve controlled
V8-396 (RPO L78)	
Primary	1.375
Secondary	1.4375

CHOKE

Type	Automatic
------	-----------

EXHAUST AND VENTILATION SYSTEM

TYPE

L6 ----- Single
 V8-283 & 327 (RPO L30) -- Single with crossover pipes
 V8-283 (RPO L77) & 327 (RPO L74) ----- Dual
 V8-396 (RPO L35) ----- Single with crossover pipes
 V8-396 (RPO L78) ----- Dual with resonators

MUFFLERS

Type ----- Oval, reverse flow
 Construction ----- Heads and body joined by rolled
 lock seam construction

Head

L6 & V8-283 ----- .048 sheet steel, aluminized
 V8 327 (L30) & 396 (L35) -.060 sheet steel, aluminized
 V8-283 (RPO L77) 327 (RPO L74) 396 (RPO L78)
 Left hand ----- .060 sheet steel, aluminized
 Right hand ----- .060 stainless steel

Shell

L6 ----- .036 sheet steel, aluminized
 V8-283 ----- .036 sheet steel, aluminized
 V8-327 (L30) & 396 (L35) -.036 sheet steel, aluminized
 V8-283 (RPO L77) 327 (RPO L74) 396 (RPO L78)
 Left hand ----- .036 sheet steel, aluminized
 Right hand ----- .036 stainless steel

Wrap

----- .030 indurad asbestos sheet

Cover

----- .018 sheet steel, aluminized

Baffles

L6 & V8-283 ----- 4; .036 sheet steel, aluminized

V8-327 (L30) & 396 (L35) ----- 4; .036 sheet steel,
 aluminized

V8-283 (RPO L77) 327 (RPO L74) 396 (RPO L78)

Left hand ----- 4; .036 sheet steel, aluminized

Right hand ----- 4; .036 stainless steel

Length, Body

L6 ----- 20.83

V8 ----- 25.13

Width (I.D.)

----- 5.00

Height (I.D.)

----- 9.25

EXHAUST CROSSOVER PIPE

Dimensions (O.D.)

V8-283 ----- 2.00

V8-327 (RPO L30) & 396 (RPO L35) ----- 2.00

Wall Thickness

----- .073-.091 laminated

EXHAUST PIPE

Dimensions (O.D.)

L6 & V8-283 ----- 2.00

V8-283 (RPO L77) ----- 2.50

V8-327 & 396 ----- 2.50

Wall Thickness

L6 ----- .057-.071

V8 ----- .073-.091 laminated

RESONATORS (V8-283 (RPO L77) 327 & 396 only)

Type ----- Straight through

Cover ----- .036 stainless steel

Heads ----- .048 stainless steel

TAIL PIPES

Dimensions (O.D.)

L6 & V8-283 ----- 1.875

V8-283 (RPO L77) ----- 2.00

V8-327 & 396 ----- 2.00

Wall Thickness

----- .062-.076

ENGINE VENTILATION

L6, V8-283, 327 & 396 (RPO L35) ----- Positive-type

Fresh air metered into the engine through the oil filler cap, air breather cap on RPO L35. Unburned fumes drawn into the induction system, controlled by a regulating valve, and burned in the combustion chamber and expelled through the exhaust system.

V8-396 (RPO L78) ----- Closed-Positive type

Fumes withdrawn into induction system from crankcase via hoseing connected to oil filler tube and fitted with a metering orifice at base of carburetor.

LUBRICATION SYSTEM

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Cylinder Walls	
L6	Main and conn. rod bearing throwoff
V8	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	
L6	Nozzle sprayed
V8	Centrifugally oiled from from camshaft bearing
Oil Pressure Sending Unit	
Type	Electric
Actuation	Opens or closes circuit @ 2 to 6 PSI
Oil Filler	
Cap	
L6, V8 - 283 & 327	Oil wetted crimped aluminum breather
V8 - 396	Positive seal
Location	
L6	Forward end of rocker cover
V8-283 & 327	Left front of intake manifold
V8 - 396	Top center of right rocker cover

CRANKCASE CAPACITIES (Quarts)

Refill	
L6, V8 - 283 & 327	4
V8 - 396	4
Refill with Filter Change	
L6, V8 - 283 & 327	5
V8 - 396	5

LUBRICANT GRADES AND TEMPERATURES

32° F and Above ----	SAE 20W, SAE 20 or SAE 10W-30
0° F and Above	SAE 10W or SAE 10W-30
Below 0° F	SAE 5W or SAE 5W-20

OIL PUMP

Type	Gear
Regulator Valve	Opens between 40 - 45 lbs
Oil Pressure	
L6, V8 - 283 & 327	30 - 45 PSI @ 1500 RPM
V8-396	50-75 PSI @ 2000 RPM
Intake Type	Fixed pickup with screen
Capacity (GPM @ Engine RPM)	
L6	4.3 @ 2000
V8-283 & 327	4.3 @ 2000
V8-396	6.0 @ 2000

OIL FILTER

Type	
L6	Full flow, throwaway canister
V8	Full flow, replaceable element
Location	
L6	Right side front of engine
V8	Left rear side of engine
Capacity (qts)	One
Bypass Valve	Opens between 9 to 11 PSI drop in pressure

OIL PAN

Type of drain plug	Hex head
Location	
L6	Front lower face of oil pan sump
V8	Left lower face of oil pan sump
Size of Hex Head .....	.860 - .875
Thread	1/2 - 20 UNF 2A
Length	0.81
Diameter .....	.410 - .430

OIL DIP STICK- LOCATION

L6	Right side, rear of engine block
V8 - 283 & 327	Left side, rear of engine block
V8-396	Right side, center of engine block

COOLING SYSTEM

GENERAL

Type	Liquid, pressurized
Capacity with Heater (Standard Equipment)	
L6	12 Qts
V8 - 283	17 Qts
V8 - 327	16 Qts (RPO L30); 18 Qts (RPO L74)
V8 - 396 (RPO L35)	23 Qts
V8 - 396 (RPO L78)	28 Qts

RADIATOR

Make and Type	Harrison, tube on center
Core Constant and Thickness	
Distance between Fins	
L6	.28 (Syn) .25 (P/Gld)
V8 - 283	.20 (Syn) .18 (P/Gld)
V8 - 327	.18 (Syn) .16 (P/Gld)
V8 - 396	.18
Distance between Tubes	.55
Thickness of Core	
L6, V8 - 283 & 327	1.26
V8-396 (RPO L35)	1.75
V8-396 (RPO L78)	1.98
Frontal Area (Sq. In.)	
L6	323
V8 - 283 & 327	357
V8-396 (RPO L35)	429
V8-396 (RPO L78)	439

RADIATOR, HEAVY DUTY (RPO-V01)

Core Constant and Thickness	
Distance between Fins	
L6	.22
V8-283 & 327 (RPO L30)	.18 (Syn) .16 (P/Gld)
V8-327 (RPO L 74)	.18 (Syn & R/Gld)
V8 - 396	.18
Distance between Tubes	.55
Thickness of Core	
L6, V8 - 283 & 327	1.75
V8 - 396	2.62
Frontal Area (Sq. In.)	
L6	404
V8-283 & 327 (RPO L 30)	429
V8-327 (RPO L 74)	439
V8-396	439

RADIATOR CAP RELIEF VALVE

Opens at ----- Approximately 15 PSI

THERMOSTAT

Type	Pellor
Begins to Open at	177° - 183° F
Fully Opened at	212 F
Thermostat By-Pass Hose (V8-396 only)	.745 ID

RADIATOR HOSE

Outlet, Lower (radiator to water pump)	
L6, V8 - 283 & 327	1.75 ID
V8 - 396	1.88 ID
Inlet, Upper (Thermostat hsg. to radiator)	1.50 ID

FAN

L6, V8-283 & 396 (RPO L35)	4
Number of Blades	
V8-327 & 396 (RPO L78)	5, staggered
Diameter	
L6, V8-283 & 396 (RPO L35)	17.62
V8-327 & 396 RPO L78)	18.00
Fan Pulley Pitch Diameter	7.00
Drive (V8 - 327 & 396 RPO L78 only)	
Type	Thermo modulated fluid coupling
Performance at 4000 RPM Input	At 135° - 150° F, fan speed 3200 to 3500 RPM; at 120° F and below, fan speed 800 - 1600 RPM

BELTS, CRANKSHAFT, FAN AND GENERATOR

Number Used	
L6, V8-283, 327 & 396 (RPO L35)	One
V8-396 (RPO L78)	Two
Angle of "V"	38° - 42°
Pitch Line	
L6	39.00
V8-283 & 327	53.25
V8-396 (RPO L35)	56.20
V8-396 (RPO L78)	
Fan, Generator and Water Pump Belt	55.50
Fan and Water Pump Belt	43.00
Width	.380

WATER PUMP

Type	Centrifugal
Capacity	
L6	60 GPM@4400 RPM
V8 - 283	54 GPM@4400 RPM
V8 - 327	57 GPM@4400 RPM
V8 - 396	82 GPM@5200 RPM
Bearing	Permanently lubricated double row ball
Drive	Fan belt
Ratio (pump to engine RPM)	.949:1

DRAIN LOCATIONS AND TYPE

Radiator - Petcock	
L6, V8 - 283 & 327	Right side bottom
	heavy duty - left side bottom
V8-396 (RPO L35)	Left center bottom
V8-396 (RPO L78)	Left side bottom, inner face
Engine Block - Plug	
L6	Left rear side
V8-283 & 327	Right and left center
V8-396	Left side - rear of block
	Right side - Center of block

ELECTRICAL SYSTEM

SUPPLY SYSTEM

BATTERY
 Voltage rating ----- 12
 Capacity (SAE)
 L6 & V8-283 ----- 44 Amp hr @ 20 hr rate
 V8-327 & 396 ----- 61 Amp hr @ 20 hr rate
 Heavy duty (RPO T60) ----- 70 Amp hr @ 20 hr rate
 Total number of plates
 L6 & V8-283 ----- 54
 V8-327 & 396 and heavy duty ----- 66
 Number of cells ----- 6
 Terminal grounded ----- Negative
 Location ----- Right front engine compartment

Test conditions ----- Engine at operating temp.
 No load test

Amps
 L6 & V8-283 ----- 49-76
 V8-327 & 396 ----- 65-100
Volts ----- 10.6
RPM
 L6 & V8-283 ----- 6200-9400
 V8-327 & 396 ----- 3600-5100

Motor drive

Engagement ----- Solenoid
 Pinion meshes at ----- Rear
 Pinion tooth no. ----- 9
 Flywheel tooth no. ----- 153; V8-396 ----- 168
Mounting
 L6, V8-283 & 327 ----- Bolted to cylinder block flange
 V8-396 ----- Bolted to clutch housing

GENERATOR

Type ----- Diode rectified
Rating
 Amps ----- 9-37
 Volts ----- 12-15
 Drive ----- By fan belt
 Pulley pitch diameter ----- 2.70
 Ratio (gen. to engine speed) ----- 2.46:1

IGNITION SYSTEM

DISTRIBUTORS ----- Refer to chart below

COIL

Type ----- 12-Volt
Amperes drawn
 Engine stopped ----- 4.0
 Engine idling ----- 1.8

REGULATOR

Type ----- Two unit, vibrator
 Voltage regulator
 Voltage ----- 13.8-14.8 @ 85 degrees F
 Field relay (combination light and field relay)
 Closing voltage ----- 1-3 volts @ 80 degrees F
 Location ----- Left side front engine compartment

SPARK PLUGS

Type
 L6 ----- AC 46N (Long reach)
 V8-283 ----- AC 45
 V8-327 ----- AC 44
 V8-396 ----- AC 43N
Thread size (mm) ----- 14
Gap ----- .033-.038
Torque ----- 25 lb ft

STARTING SYSTEM

STARTING MOTOR

Rotation (drive end view) ----- Clockwise

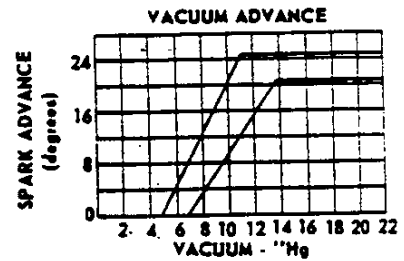
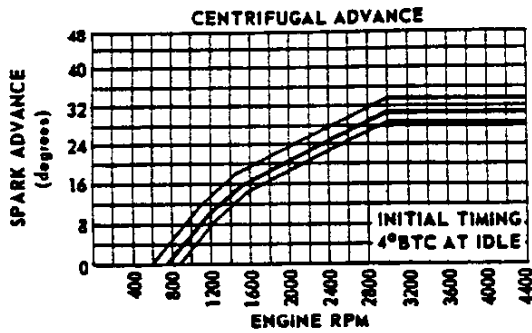
CABLE ----- Linen core impregnated

with electrical conducting material and insulation of rubber with neoprene jacket

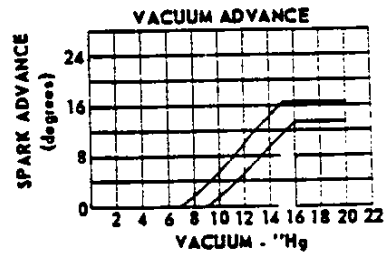
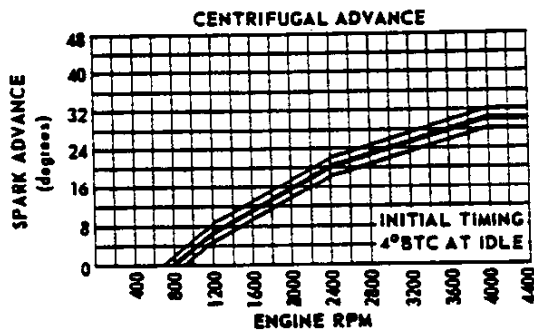
DISTRIBUTORS	L6 230 CU. IN. 140 HP	V8 283 CU. IN. 195 HP	V8 283 CU. IN. 220 HP	V8 327 CU. IN. 250&300 HP	V8 396 CU. IN. 325 HP	V8 396 CU. IN. 425 HP
Model	1110280	1111013	1111075	1111073	1111100	
Type	Single-breaker					
Cam angle	31° - 34°	28° - 32°				
Breaker gap	.019 (new)					
Breaker arm tension	19-23 oz					
Centrifugal advance begins (RPM)	800		750		600	1000
Max degrees @ RPM	30 @ 3000	30 @ 4000	26 @ 4100		28 @ 4400	
Vacuum advance begins (In Hg)	6					
Max degrees @ In Hg	21 @ 14.5	15 @ 15.5	22 @ 12		24 @ 13	15 @ 15.5
Timing (initial design setting)	4°±1°	4°±1°	6°	8°	4°	10°
Crankshaft degrees @ RPM (with vacuum line disconnected)	BTC @ 450-500	BTC @ 550	BTC @ 550	BTC @ 550	BTC @ 500	BTC @ 700
Timing mark location	Harmonic balancer except V8-283 on crankshaft pulley hub					

ELECTRICAL SYSTEM—Cont'd.

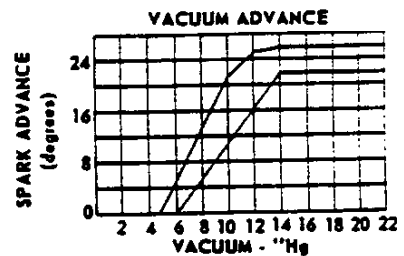
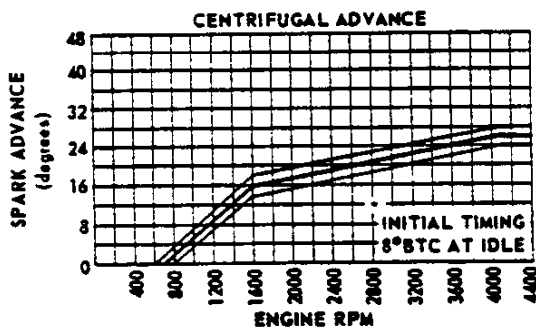
230 CUBIC INCH SIX CYLINDER ENGINE



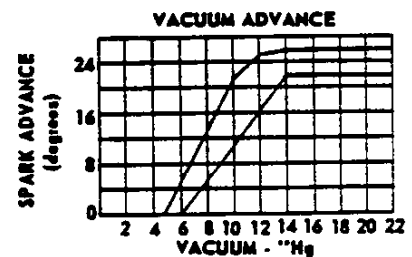
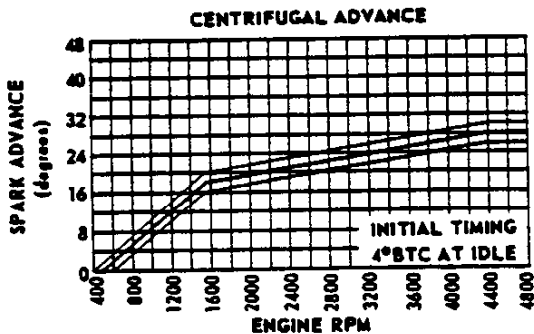
283 CUBIC INCH V-8 ENGINE



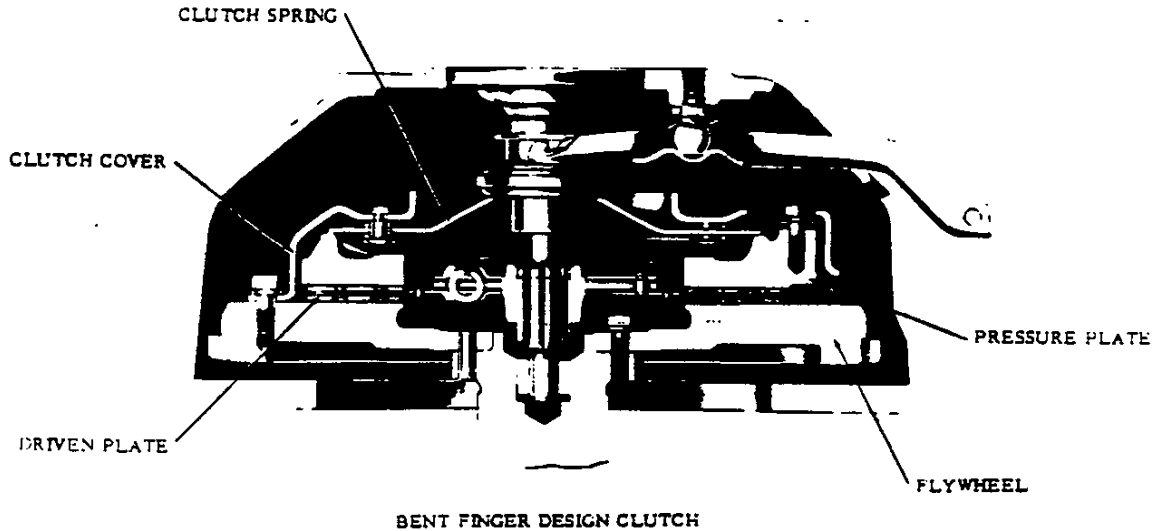
327 CUBIC INCH V-8 ENGINE



396 CUBIC INCH V-8 ENGINE



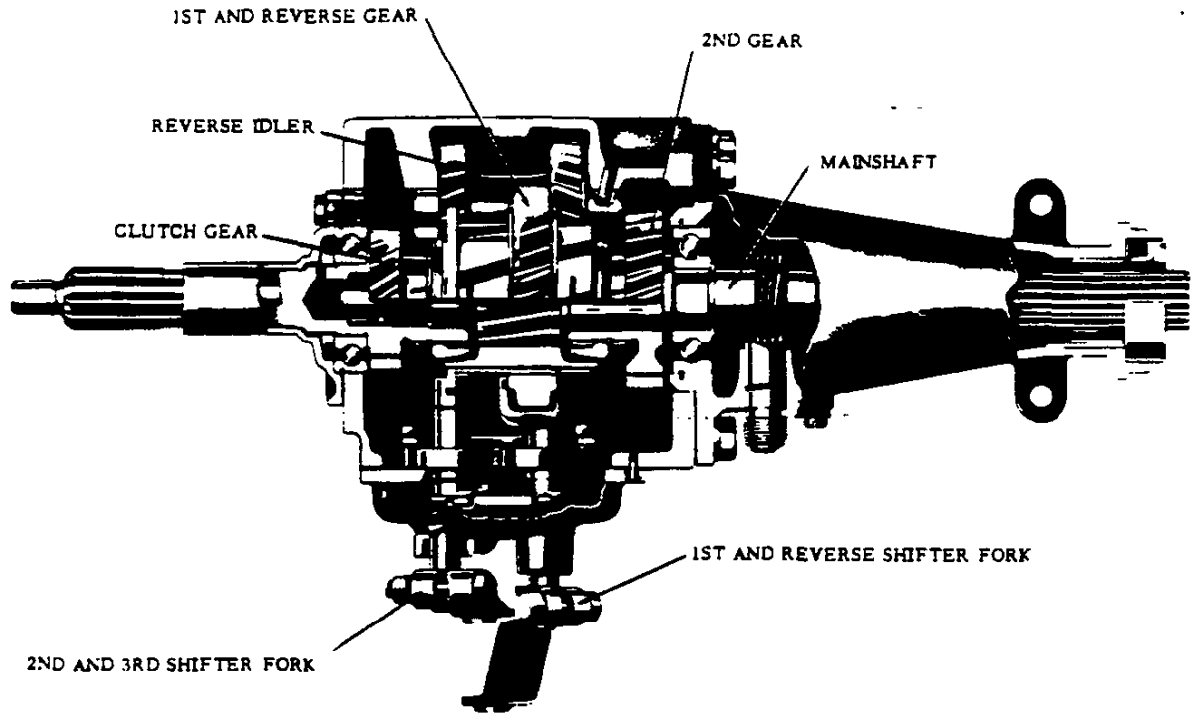
CLUTCHES



Engine	Type	L-6 230 CU.IN.		V-8 283 CU.IN.		V-8 327 CU.IN.			V-8 396 CU.IN.				
	Availability	Regular Production						RPO L30 & 74		RPO L35 & 78			
Clutch for		3-Spd	OD	M01*	3-Spd	OD	4-Spd	Z04**	3-Spd	3-Spd H.D.	4-Spd	3-Spd H.D.	4-Spd
Type		Single dry disc					Single dry disc, centrifugal						
Clutch cover & pressure plate	Eff. plate load, lb.	1500-1800		1700-1950		2100-2300			2300-2600				
	Press. plate matl.	Cast Iron					Nodular Iron			Cast Iron			
	Clutch spring type	Diaphragm					Diaphragm, bent finger design						
	Clutch spring matl.	Heat treated spring steel											
Driven plate	Type	Single disc with two friction surfaces											
	Cushions	Flat spring steel between friction rings											
	Dampers	6 coil springs			12 coil springs (6 sets of two)			10 coil springs (5 sets of two)					
	Friction rings	PD	9.12	11.0	10.0	10.4	11.0						
		ID	6.12	6.5	6.5	6.5	6.5						
		Total area sq. in.	71.8	123.7	90.7	103.5	123.7						
		Matl.	Woven type asbestos (a)										
	Matl.	Heat treated HR steel											
Flywheel	Ring gear	No. of teeth	153						168				
		PD	12.75						14.00				
	Attachment	Shrink fit											
Bearings	Release	Type	Single row ball										
		Lubrication	None, prepacked										
	Pilot	Type	Bronze bushing										
		Lubrication	None, sintered and oil impregnated										
Controls	Clutch fork	Drop forged steel, pivot mounted on ball											
	Pedal mounting	Pendant, from brace on dash											
	Lubrication	Crossover shaft											
Clutch housing material		Aluminum alloy											

- * M01 - Option for Heavy Duty Clutch
- ** Z04 - Option for Heavy Duty Chassis
- (a) M01 - Woven front and molded rear facings

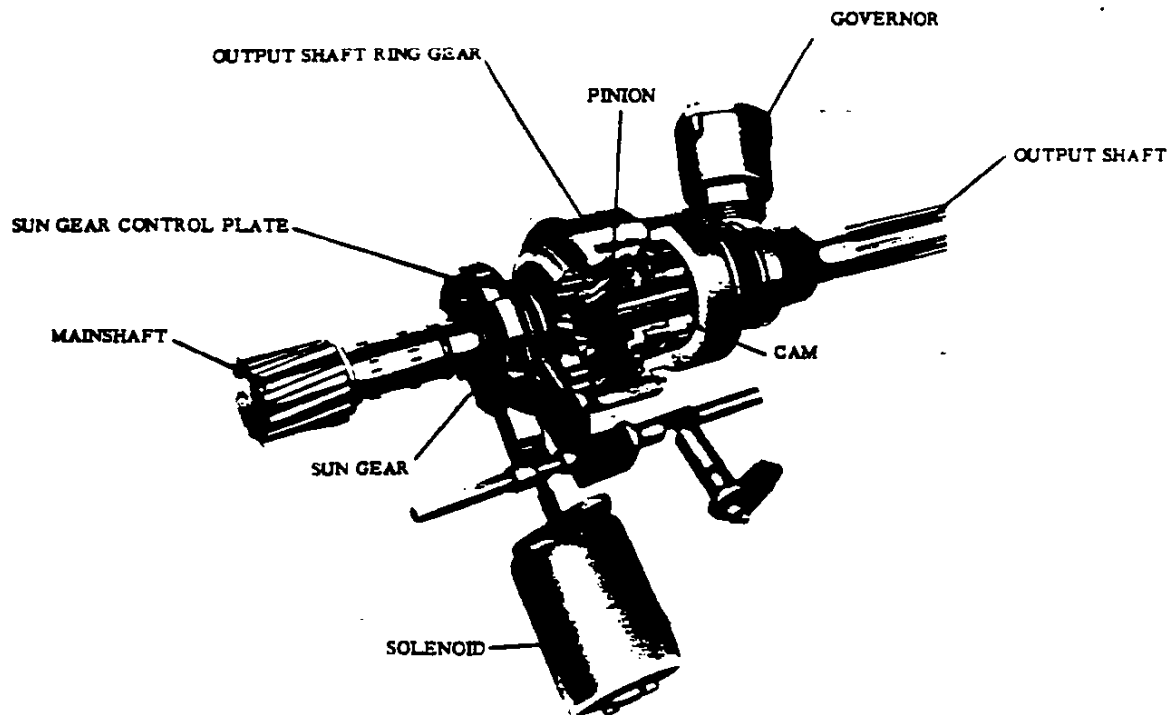
TRANSMISSIONS



3-SPEED TRANSMISSION

3- AND 4-SPEED

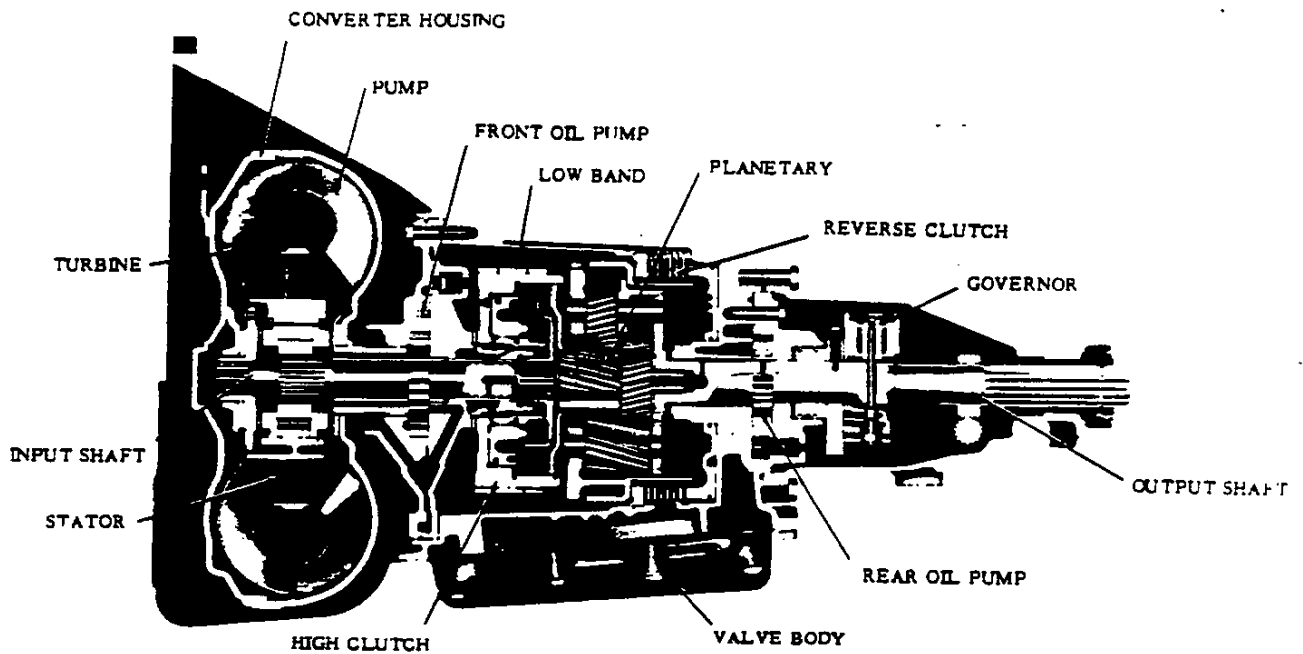
Transmission Type		3-Speed			3-Spd H.D.(M13)		4-Speed					
Engine Application	Type	L-6	V-8	V-8	V-8	V-8	V-8	V-8	V-8 396 C.I.			
	Availability	230 C.I.	283 C.I.	327 C.I.	327 C.I.	396 C.I.	283 C.I.	327 C.I.	L35	L78		
Case material		Cast Iron					Aluminum					
Gear Shift	Type						Remove					
	Control						Lever					
	Location	Steering column					Floor					
Gears	Type						Helical					
	Material						Forged steel, hardened					
	Synchronization	Second & third			All forward gears							
	Constant mesh gear	Second			All gears		All forward gears					
	Sliding gears	First & reverse			None		Reverse					
	Ratios	First	2.94			2.41		2.56		2.20		
		Second	1.68			1.56		1.91		1.64		
		Third	1.00			1.00		1.48		1.28		
Fourth							1.00		1.00			
Reverse		2.94			2.41		2.64		2.27			
Lubricant	Type	Meeting Military Specification MIL-L-2105-B										
	Capacity (pts)	2					2.5					
Extension	Material	Aluminum										
	Oil seal	Steel encased double seal of spring loaded rubber or felt										



OVERDRIVE TRANSMISSION - RPO M10

GENERAL

Type ----- 3-pinion planetary drive unit
 Description ----- Adaptable to 3-speed transmission. Overdrive drive unit with integral mainshaft replaces mainshaft and extension of 3-speed.
 Operation ----- Activation by manually operated pull type lockout switch located under instrument panel to right of steering column; when fully extended, overdrive unit is inoperative. Overdrive unit can be over-riden by a downshift switch located at the carburetor and controlled by the accelerator pedal; over-riding achieved by tramping accelerator.
 Lubricant
 Type ----- Meeting Military Specification MIL-L-2105-B
 Viscosity ----- SAE 80
 Capacity (pint) ----- Total 3 pints, 2 for transmission, 1 for overdrive unit
 Gear ratios with overdrive locked in
 First ----- 2.058
 Second ----- 1.176
 Third ----- 0.700
 Output shaft RPM
 Cut-in ----- 1440
 Cut-out ----- 1100



AUTOMATIC TRANSMISSION - RPO M35

Engine	Type		L-6	V-8	V-8	V-8
			230 Cu.In.	283 Cu.In.	327 Cu.In.	396 Cu.In.
	Availability		Std.	Std. RPO L77	RPO L30 | RPO L74	RPO L35
General data	Type		Automatic hydraulic torque converter with planetary gear system for low and reverse			
	Selector lever	Location	Steering column except 16500 and 16600 floor			
		Operation	Actuates manual valve in hydraulic control system			
		Quadrant pattern	P-R-N-D-L			
	Parking lock	Type	Pawl and gear (on planetary)			
		Operation	Applied by selector lever thru spring loaded linkage			
	Method of cooling		Air (a)	Water		
Flywheel assembly		Steel stamping with welded on ring gear				
Hydraulic	Manual valve type		Spool			
	Pressure regulator valve type		Spool			
	Pressure @ Idle (b)	Drive	51		51	
		Low	122		133	
		Reverse	88		86	
Converter assembly	Type		Three element			
	Pump		Inner and outer sheet steel shells separated by sheet steel vanes. Outer shell is pump housing which is welded to converter housing.			
	Turbine		Inner and outer shells separated by sheet steel vanes. Assembly supported in converter cover. Operation independent of cover and pump housing.			
	Stator		Aluminum air foil supported on a stationary sleeve by an over-running clutch of cam and roller design.			
	Stall torque ratio		2.10			
	Diameter (nominal)		11.0		11.75	
Planetary gear set	Type		Compound planetary			
	Range	Drive	1.82 to 1.00		1.76 to 1.00	
		Low	1.82		1.76	
		Reverse	1.82		1.76	
	Low band		Three linked circular segments			
Low band servo		Piston with release spring and inner cushion spring				
Case	Material		Aluminum (one piece)			

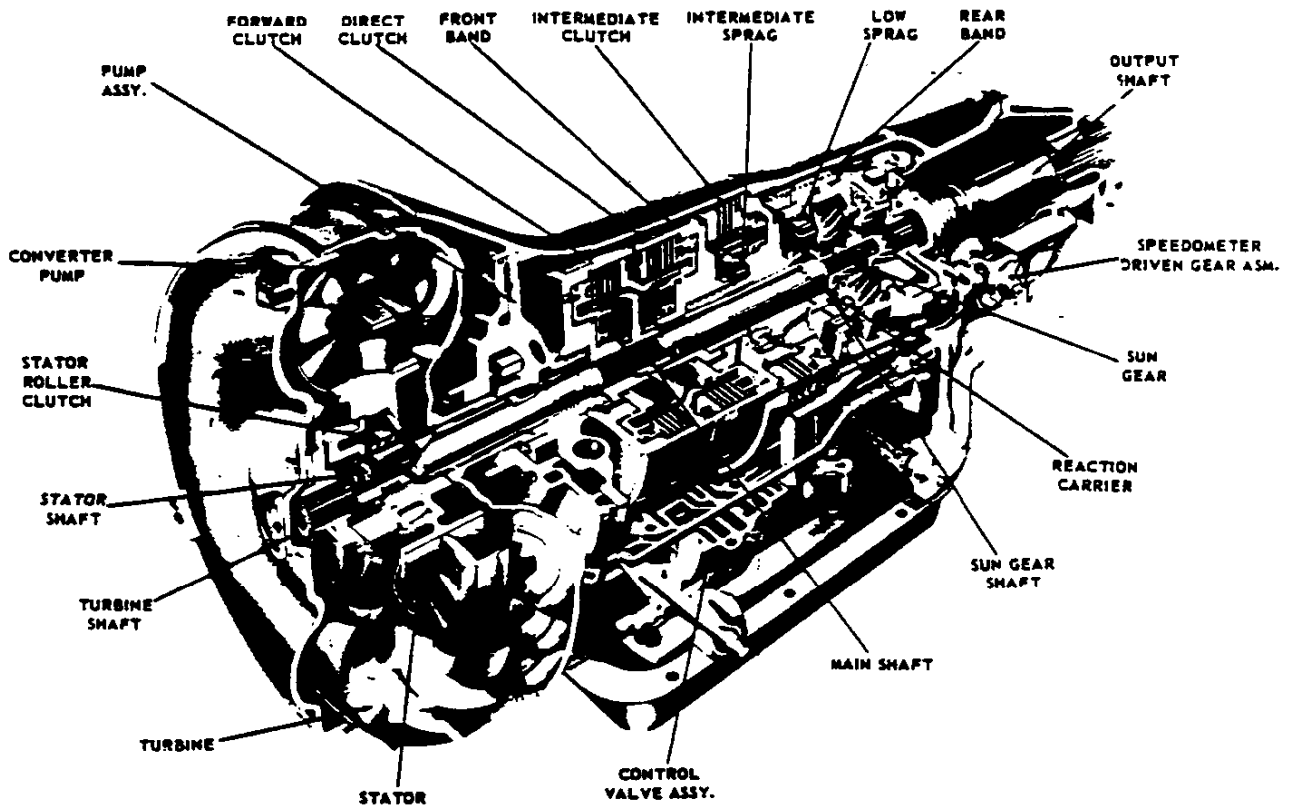
(a) Water cooled unit available optionally.

(b) Conditions: 450 RPM input @ 25 inches Hg vacuum.

AUTOMATIC TRANSMISSION CONTINUED

Engine	Type	L-6 230 Cu. In.	V-8 283 Cu. In.	V-8 327 Cu. In.		V-8 396 Cu. In.	
	Availability	Std.	Std & L77	RPO L30	RPO L74	RPO L35	
Output shaft RPM and vehicle speed (MPH)	N/V factor	42.0	41.0	39.6	42.2	39.8	
	Upshift	Closed throttle	650 (16)		650 (16)	660(16)	660(17)
		Throttle at detent	1900 (43)	2083(31)	2125 (54)	2350(61)	2350(69)
		Full throttle	2205(53)	2400 (59)	2495(58)	2750(65)	2750(69)
	Down-shift	Closed throttle	605(14)	605(15)	605 (15)	615(15)	615(16)
		Throttle at detent	1170(28)	825 (20)	825 (21)	885(21)	885(23)
Full throttle		2060(49)	2270(35)	2350 (59)	2590(61)	2590(65)	
High clutch	Type	Multi-disk					
	Drive plates	Description	Waved steel with bonded organic facings				
		Number	3	4			
	Driven plates	Description	Flat steel				
Number		4	5				
Reverse clutch	Type	Multi-disk					
	Drive plates	Description	Flat steel with bonded organic facings				
		Number	4	5	6		
	Reaction plates	Description	Flat steel				
Number		3	4	5			
Torque multiplication	Maximum overall ratio	3.82		3.70			
	Low and reverse	3.82 to 1.82		3.70 to 1.76			
Lubricant	Type	A suffix A					
	Capacity (pts)	Dry	15 (a)	18			
		Refill	3				
Governor	Type	Centrifugal					
	Operation	Regulates pump oil pressure to automatic shift control valve					
	Drive	Mounted on output shaft					
	Location	In extension					
Oil pumps	Type	Internal-external gear					
	Number	Two, front and rear					
	Function	To supply pressure					
	Front pump	Drive	Converter pump				
		Function	Supply main system pressure at low vehicle speeds				
	Rear pump	Drive	Output shaft				
Function		Supply main system pressure at high vehicle speeds and during push starts					

(a) 18 with water cooled equipment.



TURBO HYDRA-MATIC

(Available with 396 Cu. In. 375 HP RPO L-35 only)

GENERAL DATA

Type ----- Three element automatic hydraulic torque converter with a compound planetary gear set that produces three forward speeds and reverse

Selector Lever

Location ----- Steering column except 16600 models floor mounted

Operation ----- Actuates automatic controls by a hydraulic system from a pressurized gear type pump

Quadrant Pattern ----- Six positions:
P - R - N - D - L₂ - L₁

External Control Connections

Manual linkage ----- Selects desired operating range by means of selector lever

Vacuum modulator ----- Senses change in the torque input to the transmission and assures smooth shifts

Detent solenoid ----- Actuated by electric switch or the carburetor causing the transmission to downshift under full throttle conditions at car speeds below 70 miles per hour

Parking Lock

Type ----- Locking pawl

Operation ----- Applied by selector level through manual linkage

Method of cooling ----- Water

TORQUE CONVERTER

Driving member (pump) ----- Multivane type, sheet metal blade, spot welded to steel pump housing that is an integral part of the converter housing

Driven member (turbine) ----- Steel axial flowblades assembled between inner and outer steel shell

Stator Assembly ----- Aluminum multivane type blades mounted on a one way roller clutch

Stall Ratio ----- 2.10

Diameter (nominal) ----- 12.83

CLUTCHES

Type ----- Three, multiple disk
Material -----
Drive plates ----- Waved steel with bonded organic facings
Drive plates ----- Flat steel
Forward clutch ----- Five each drive and driver plates
Direct clutch ----- Five each drive and driver plates
Intermediate clutch ----- Three each drive and driver plates
Release spring ----- Radial row steel coil

PLANETARY GEAR UNIT

Front -- reaction carrier assy ----- Four steel pinion gears
Rear -- output carrier assy ----- Four steel pinion gears
Gear Ratios
D (Drive) ----- 2.48:1, 1.48:1, 1.00:1
L₂ (Low two) ----- 2.48:1, 1.48:1
L₁ (Low one) ----- 2.48:1
R (Reverse) ----- 2.08:1
Front Band
Type ----- One, circular steel with organic lining
Function ----- Provides engine braking in 2nd gear with selector lever in L₂ and L₁ range
Rear Band
Type -- Double wrap circular steel with organic lining
Function ----- Provides engine braking
Lo range 1st gear; also in reverse range the band holds the reaction carrier to apply reverse gear ratio
Servo Units ----- Piston with release spring and inner cushion spring that activates the bands

HYDRAULIC SYSTEM

Oil Pressure Pump ----- Supplies hydraulic pressure by gear type pump which is engine driven

Pump Pressure (450 .RPM input @ 25 inches Hg vacuum)
Park ----- 70 PSI
Neutral ----- 70 PSI
Drive (First, second, third) ----- 70 PSI
L₂ (First, second) ----- 150 PSI
L₁ ----- 150 PSI
Reverse ----- 107.5 PSI

Valves

Type ----- Steel spool
Manual ----- Establishes range at transmission operation
Pressure regulator ----- Controls main line pressure
Shift (1-2) ----- Controls oil pressure for trans. shift from 1-2 or 2-1
Shift (2-3) ----- Controls oil pressure for trans. shift from 2-3 or 3-2
Modulator ----- Regulates line pressure with modulator oil pressure that varies with torque to transmission
Accumulator ----- To obtain greater flexibility in attaining desired shift curve for various engines requirements

Governor

Type ----- Cross-axis centrifugal
Operation ----- Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift valves and modulator valve

LUBRICANT

Type ----- A suffix A
Capacity ----- 22 pts
Refill ----- 8 pts
Oil Cooler ----- Integral with radiator assy and connected to transmission by inlet and outlet pipes

TORQUE MULTIPLICATION

Maximum overall ratio ----- 5.21
First ----- 5.21 to 2.48
Second ----- 2.98 to 1.48
Reverse ----- 4.36 to 2.08



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 General Motors Corporation	CAR NAME CHEVROLET 153-154-155-163-16500, 230 Cu. In. 6-Cyl. 154-156-164-16600, 283 Cu. In. 8-Cyl.				
MAILING ADDRESS Owner Relations Service Depart. Chevrolet Motor Division General Motors Building Detroit, Michigan 48202	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">MODEL YEAR 1965</td> <td style="width: 50%;">ISSUED: 9-28-64</td> </tr> <tr> <td></td> <td>REVISED (e) 2-22-65</td> </tr> </table>	MODEL YEAR 1965	ISSUED: 9-28-64		REVISED (e) 2-22-65
MODEL YEAR 1965	ISSUED: 9-28-64				
	REVISED (e) 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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Engine - Mechanical 2	Brakes 18	Station Wagon 1a	Index 24
Electrical 10	Front Suspension & Steering . . 19		

BODY—TYPES AND STYLE NAMES—		Body type, number of passenger & style names; use manufacturer's code for series & body style.	
	140 HP 230 Cu. In. L-6	195 HP 283 Cu. In. V-8	
Biscayne	15311	15411	2-Door Sedan - 6-Passenger
	15335	15435	4-Door Station Wagon - 2-Seat
	15369	15469	4-Door Sedan - 6-Passenger
Bel Air	15511	15611	2-Door Sedan - 6-Passenger
	15535	15635	4-Door Station Wagon - 2-Seat
	15545	15645	4-Door Station Wagon - 3-Seat
	15569	15669	4-Door Sedan - 6-Passenger
Impala	16335	16435	4-Door Station Wagon - 2-Seat
	16337	16437	2-Door Sport Coupe - 5-Passenger
	16339	16439	4-Door Sport Sedan - 6-Passenger
	16345	16445	4-Door Station Wagon - 3-Seat
	16367	16467	2-Door Convertible - 5-Passenger
	16369	16469	4-Door Sedan - 6-Passenger
Impala	16537	16637	2-Door Sport Coupe - 4-Passenger
Super Sport	16567	16667	2-Door Convertible - 4-Passenger

* - Caprice Special Sport Sedan Equipment Available as RPO Z18

AMA Specifications — Passenger Car

Page 1

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

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.	Std. L-6, 230 in. ³ 15300-15500-16300-16500	Std. V-8, 283 in. ³ 15400-15600-16400-16600	
Wheelbase (L101)	23	119.0		
Tread	Front (W101)	62.5, Wagons 63.5		
	Rear (W102)	62.4, Wagons 63.4		
Maximum Overall Dimensions	Length (L103)	213.1, Wagons 213.3		
	Width (W103)	79.6		
	Height (H101)	55.4, Sp. Sed. 54.5, Sp. Coupe 54.1, Conv. 55.1		
Transmission— (Specify trade name - opt., not available)	Manual	Synchronesh; 3-speed, standard, 4-speed opt. with V-8		
	Overdrive	Optional		
	Automatic	Powerglide; Optional		
Axle ratio	Manual	Coupes & Sedans, 3.08; Convs., 3.36; Stn. Wagons, 3.55	15400 & 600 Sed's 3.08; 16400 wgons & 16600 - 3.36; Stn wgons 3.31	
	Overdrive	Exc. Wagons, 3.70 Stn. Wagons, 3.73		
	Automatic	Same as Manual		
Tire size	18	Sedans & Coupes 7.35 x 14	Convertibles 7.75 x 14	
		Station Wagons 8.25 x 14		
Engine	Type, no. cyl., valve arr. 2	In-Line 6 OHV	90° V-8 OHV	
	Fuel system (Carb., other) 8	Carburetor		
	Bore and stroke 2	3.875 x 3.25	3.875 x 3.00	
	Piston displ., cu.in. 2	230	283	
	Std. compression ratio 2	8.5:1	9.25:1	
			Std.	RPO L77
	Max. bhp at engine rpm 2	140 @ 4400	195 @ 4800	220 @ 4800
	Max. torque at rpm 2	220 @ 1600	285 @ 2400	295 @ 3200

(a) 4-Speed ratios except wgons., 3.36; wgons. 3.31

MAKE OF CAR CHEVROLET 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		Sport Sed's	Spt Cps.		Convert's		Stn.-Wagons	
		2 dr	4 dr		Bn	Bkt	Bn	Bkt	2 seat	3 seat

FRONT COMPARTMENT

Shoulder room	W3	62.3		62.4				62.3	
Max. eff. leg room - accelerator	L34	42.2		42.0				42.2	
Effective head room	H61	39.1	38.1	38.2	38.0	38.8	38.6	39.3	39.1
H Point to Heel point	H30	9.0	9.2	9.4	9.2	9.4		9.2	
Upper body opening to ground	H50	44.4	41.4	44.1				44.4	

REAR COMPARTMENT

Shoulder room	W4	60.7	61.4	60.9		53.1		61.6	
H Point couple distance	L50	36.2		35.8				35.2	
Minimum effective leg room	L51	38.9	39.5	38.6	34.9	36.0	34.9	36.0	38.3
Effective head room	H63	37.8	37.3	37.2		37.8		39.1	

STATION WAGON—THIRD SEAT

155-156-163-16445

Shoulder room	W85	48.6			
Effective leg room	L86	33.3			
Effective head room	H86	36.3			

LUGGAGE COMPARTMENT

Usable luggage capacity (See instr.)	V1	17.7				---	
Floor height	H195	24.6				23.8	
Position of spare tire storage		Center of trunk shelf		Trnk flr rt side		Rt. rrqtr. under cover	
Method of holding lid open		Torsion bars counterbalanced				---	

STATION WAGON—CARGO SPACE

Minimum distance between wheel houses at floor level	W201	49.7
Rear end opening width at belt	W204	52.4
Floor length from back of front seat at floor level to inside of closed tail gate	L202	96.0
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	86.0
Maximum height - floor covering to headlining at centerline of rear axle	H201	30.7
Maximum height of rear opening - tail and lift gates open	H202	28.8
Cargo volume index (cu.ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	94.1

AMA Specifications—Passenger Car

M. OF CAR CHEVROLET **MODEL YEAR** 1965 **DATE ISSUED** 9-28-64 **REVISED** (a) 2-22-65

MODEL	230 Cu. In. L-6 15300-15500-16300-16500	283 Cu. In. V-8 15400-15600-16400-16600 Std. - 195 HP RPO L77 - 220 HP
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ENGINE—GENERAL

Type, no. cyls., valve arr.		In-Line 6 OHV	90° OHV V-8
Bore and stroke (nominal)		3.875 x 3.25	3.875 x 3.00
Piston displacement, c.u. in.		230	283
Bore spacing (C/L to C/L)		4.4	4.4
No. system (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
Compres. ratio (nominal)		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° 54'	
Taxable Dia. 2 x No. Cyl. horsepower 2.5		36.0	48.0
Published max. bhp* @ eng. RPM		140 @ 4400	195 @ 4800 220 @ 4800
Pt. of max. torque* (ft. @ RPM)		220 @ 1600	285 @ 2400 295 @ 3200
Recommended fuel regular - premium		Regular	
Idle speed (spec. neutral or drive)	Manual	500 in Neutral	
	Automatic	475 in Drive	

ENGINE—PISTONS

Material		Cast Aluminum Alloy	
Description and finish		Flat, notched head; slipper skirt	
Weight (piston only) oz.		20.40	20.30
Clearance (limits)	Top land	.035 - .044	
	Skirt	Top	.0005 - .0011 (a)
		Bottom	
Ring groove depth	No. 1 ring	.2153 - .2218	
	No. 2 ring	.2153 - .2218	
	No. 3 ring	.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 2.44 from top of piston.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (s) 2-22-6

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		"A"	"B"	"C"
15300-15500 16300-16500	230	1-Bbl. Down-draft	8.5:1	140 @ 4400	220 @ 1600	3-Spd & Pwr/glide*	3.08:1	3.55:1	3.36:1
Coupes & Sedans									
Convertibles									
Station Wagons									
Overdrive*									
All models exc. Station Wagons	3.70:1	---	---						
Station Wagons	3.73:1	---	---						
15400-15600 (excluding Sta. Wagons)	283	2-Bbl. Down-draft	9.25:1	195 @ 4800	285 @ 2400	3-Spd & Pwr/glide*	3.08:1	3.55:1	3.36:1
Overdrive*									
4-Speed*									
3-Spd & Pwr/glide*									
Overdrive*									
4-Speed*									
16400-16600 (excluding Sta. Wagons)	283	2-Bbl. Down-draft	9.25:1	195 @ 4800	285 @ 2400	3-Spd & Pwr/glide*	3.36:1	3.55:1	---
Overdrive*									
4-Speed*									
3-Spd & Pwr/glide*									
Overdrive*									
4-Speed*									
15400-15600 16400 (Station Wagons only)	283	One; 4-Bbl. Down-draft	9.25:1	220 @ 4800	295 @ 3200	3-Spd & Pwr/glide*	3.31:1	3.55:1	---
Overdrive*									
4-Speed*									
3-Spd & Pwr/glide*									
Overdrive*									
4-Speed*									
15400-15600 16400-16600 (excluding Sta. Wagons)	283 (Opt)	One; 4-Bbl. Down-draft	9.25:1	220 @ 4800	295 @ 3200	3-Spd, 4-Speed* & Powerglide*	3.36:1	3.55:1	---
Overdrive*									
3-Spd, 4-Spd* & Powerglide*									
Overdrive*									
3-Spd, 4-Spd* & Powerglide*									
Overdrive*									
15400-15600 16400 (Station Wagons only)	283 (Opt)	One; 4-Bbl. Down-draft	9.25:1	220 @ 4800	295 @ 3200	3-Spd, 4-Spd* & Powerglide*	3.31:1	3.55:1	---
Overdrive*									
3-Spd, 4-Spd* & Powerglide*									
Overdrive*									
3-Spd, 4-Spd* & Powerglide*									
Overdrive*									
# - Positraction Axle Ratios available in combinations as shown.									

* - Optional

"A" - General Purpose (Standard)

"B" - Special Purpose or Mountain (Optional)

"C" - Performance (Optional)

AMA Specifications - Passenger Car

TYPE OF CAR CHEVROLET MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (6) 2-22-65

	230 Cu. In. L-6 15300-15500-16300-16500	283 Cu. In. V-8 15400-15600-16400-16600
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ENGINE-RINGS

Function (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.	Cast alloy iron, inside bevel Upper - Flash chrome plate Lower - Wear resistant coating
	Width	.0775 - .0780 Upper; .0770 - .0780 Lower
	Gap	.010 - .020
Oil	Description - material, type, coating, etc.	Multi-piece (2 rails and one spacer expander) Spacer expander - steel 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 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.)	20.00	
Length (center to center)	5.699 - 5.701	
Bearing	Material & Type	Steel backed babbitt or copper lead alloy
	Overall length	.807
	Clearance (limits)	.0007 - .0027
	End play	.009 - .013

AMA Specifications—Passenger Car

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

MODEL	230 Cu. In. L-6 15300-15500-16300-16500	283 Cu. In. V-8 15400-15600-16400-16600
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ENGINE—CRANKSHAFT

Material	Cast Nodular Iron	Forged Steel or Cast Nodular Iron		
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	None
No. 7		2.3004 x .760	None	
Dir. & amt. cyl. offset	None			
Crankpin journal diameter	1.999 - 2.000			

ENGINE—CAMSHAFT

Location	Above & to right of crankshaft	In block above crankshaft		
Material	Cast alloy iron			
Bearings	Material	Steel-backed babbitt		
	Number	4	5	
Type of Drive	Gear or chain	Gear	Chain	
	Crankshaft gear or sprocket material	Steel	Steel sprocket	
	Camshaft gear or sprocket material	Bakelite and fabric composition with steel hub		
	Timing chain	No. of links	None	46
		Width	None	.875
		Pitch	None	.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	

(a) Used only with cast nodular iron crankshaft.

(Continued)

AMA Specifications—Passenger Car

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

	230 Cu. In. L-6	283 Cu. In. V-8
MODEL	15300-15500-16300-16500	15400-15600-16400-16600

ENGINE—VALVE SYSTEM (cont.)

Timing	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 spring press. and length	Valve closed (lb. @ in.)	56-64 @ 1.66	78-86 @ 1.66	
		Valve open (lb. @ in.)	170-184 @ 1.33	170-180 @ 1.26	
	Inner spring press. and length	Valve closed (lb. @ in.)	None	Spring Damper	
		Valve open (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 spring press. and length		Valve closed (lb. @ in.)	56-64 @ 1.66	78-86 @ 1.66	
		Valve open (lb. @ in.)	170-184 @ 1.33	170-180 @ 1.26	
Inner spring press. and length		Valve closed (lb. @ in.)	None	Spring Damper	
		Valve open (lb. @ in.)	None	Spring Damper	

ENGINE—LUBRICATION SYSTEM

Type of lubrication (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 Jet Cross Sprayed

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a) 2-22-66

MODEL	230 Cu. In. L-6 15300-15500-16300-16500	283 Cu. In. V-8 15400-15600-16400-16600
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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, 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 DG

ENGINE—EXHAUST SYSTEM

	Std-195 HP	RPO L77-220 HP
Type (single, single with cross-over, dual, other)	Single	Single with crossover Dual
Muffler No. & type (reverse flow, traight thru, separate resonator)	One; Reverse Flow	Two; with resonators
Exhaust pipe dia. (O.D. wall thickness)	Branch	(a)
	Main	(a) (b)
Tail pipe diameter (O.D. & wall thickness)	2.00 x .057 - .071	1.875 x .062-.076 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	Top rear of rocker cover At rear of carburetor
	Energy source (manifold vacuum, carburetor air stream, other)	Manifold vacuum
	Control method (variable orifice, fixed orifice, other)	Variable
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)	Check valve

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

(a) 2.00 x .073-.091 (laminated)

(b) 2.50 x .062-.076 (laminated)

AMA Specifications-- Passenger Car

MAKE OF CAR CHEVROLET **MODEL YEAR** 1965 **DATE ISSUED** 9-28-64 **REVISED** ^(a) 2-22-65
MODEL 230 Cu. In. L-6 283 Cu. In. V-8
 15300-15500-16300-16500 15400-15600-16400-16600

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 (24 on Sta. Wgns.)	
	Filler location	Behind hinged rear 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 inlet	
	Locations		
Carburetor	Choke type	Automatic	
	Intake manifold heat control (exhaust or water)	Exhaust	
	Air clnr. type	Standard	Oil wetted polyurethane Oil wetted paper
		Optional	None

CARBURETOR SUPPLEMENTARY INFORMATION

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
15300-15500	230	3-Speed Powerglide	Rochester	7025003	One; Single-Barrel, Down-draft	1.56
			Rochester	7025000		
15400-15600 16400-16600	283	3-Speed 4-Speed Powerglide	Rochester	7024101	One; Two-Barrel, Down-draft	1.44
			Rochester	7024110		
		3-Speed 4-Speed Powerglide	Rochester	7025127	7025128	One; Four-Barrel, Down-draft	1.44 Primary & Secondary

(a) Left rear quarter panel on Station Wagons.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64 REVISED (a) 2-22-65
MODEL	230 Cu. In. L-6 15300-15500-16300-16500	283 Cu. In. V-8 15400-15600-16400-16600

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	60 @ 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.)	12	17
	Without heater (qt.)	11	16
	Opt. equipment—specify (qt.)	14	19
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
		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		Double row ball
* Drive belts (Indicate belt used by letter)	Fan		D
	Generator		D
	Water Pump		D
	Power Steering		E
	Air Conditioning		F

* Drive Belt Dimensions	A	B	C	D	E	F
Angle of V	38° - 42°					
Nominal length (SAE)	39.00	49.50	54.75	53.25	35.00	57.50
Width	.380 ± .005					

* With heater.

AMA Specifications - Passenger Car

MA OF CAR **CHEVROLET** MODEL YEAR **1965** DATE ISSUED **9-28-64** REVISED ^(a) **2-22-65**

	230 Cu. In. L-6	283 Cu. In. V-8
MODEL	15300-15500-16300-16500	15400-15600-16400-16600

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. @ Hr. Rate		
	Location	Right front engine compartment		
	Terminal grounded	Negative		
Generator	Make	Delco Products		
	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	None	
		Reverse current to open		
	Regulated	Voltage	13.8 - 14.8 @ 85° F	
		Current		
	Voltage test conditions	Temperature	Operating	
Load		3-8 Amperes		
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>SYNCHROMESH - Place gearshift in neutral & depress clutch to floor. POWERGLIDE - Place control lever in N or P position. INITIAL START - Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START and release as soon as engine starts.</p>		

(Continued)

AMA Specifications – Passenger Car

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

MODEL	230 Cu. In. L-6 15300-15500-16300-16500	283 Cu. In. V-8 15400-15600-16400-16600
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ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	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

Std - 195 HP RPO L77 - 220 HP

Coil	Make	Delco-Remy			
	Model	#1115208	#1115204		
	Amps	Engine stopped	4.0		
Engine idling		1.8			
Distributor	Make	Delco-Remy			
	Model	#1110280	#1111015	#1111075	
	Cent'figal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	800		
		Intermediate points deg. @ rpm			
		Max deg. @ rpm	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 @ 12
	Breaker gap (in.)		.019		
	Cam angle (deg.)		31° - 34° 28° - 32°		
Breaker arm tension (oz.)		19 - 23 oz			
Timing	Crankshaft deg. @ rpm.	4° ± 1° BTC @ 450-500	4° BTC @ 550	6° BTC @ 550	
	Mark location	Harmonic balancer			
	Cylinder numbering system (see page 2)	Front to Rear	Left Bank: 1-3-5-7 Right Bank: 2-4-6-8		
		1-2-3-4-5-6			
Firing order (see page 2)		1-8-4-3-6-5-7-2			
Spark Plug	Make and model	AC 46N (Long reach)	AC 45		
	Thread (mm)	14			
	Tightening torque (lb. ft.)	25			
	Gap	.033 - .038			
Cable	Conductor type	Linen core impregnated with electrical conducting material			
	Insulation type	Rubber with Neoprene jacket			
	Spark plug protector	Neoprene			






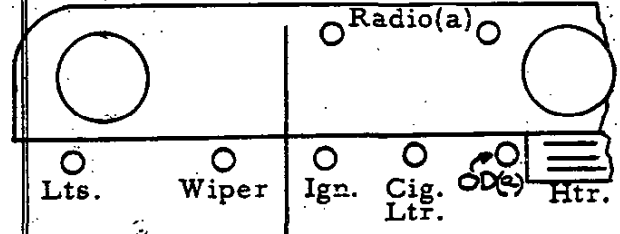
ELECTRICAL—SUPPRESSION

Locations & type	Non-Metallic High Tension Ignition Cables
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AMA Specifications - Passenger Car

MA	OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (a)	2-22-65
	15-16000							
	Standard Engines	15300	15500	16300	16500			
MODEL		15400	15600	16400	16600			

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speedometer	Make	AC					
	Trip odometer (yes, no)	No					
Charge indicator—type		Tell-tale			Gage		
Temperature indicator—type		Tell-tale (red, hot; green, cold)			Gage		
Oil pressure indicator—type		Tell-tale			Gage		
Fuel indicator—type		Electric gage					
Other		Clock (a), vac.gage(16500 and 600), tachometer (a), parking brake alarm (a), cigarette lighter					
Ignition switch	Identify positions in order and circuits controlled	ACCESSORY OFF ON START		 <p>ACCESSORY - accessories (ign off). OFF - off, locked. ON - ignition, batt., accessories. START - starter motor, spring return to ON.</p>			
	Provision for illumination	1-1445					
	Location	Instr. panel to right of steering column					
Main lighting	Identify positions and lamps controlled	 1st position	 2nd position	 CW rotation	 CCW rotation		
		Instr. pnl lmps parking, tail & license lmps.	Instr. pnl lmps hdpls, tail & license lmps.	Instr. panel lmps, dim to off.	Instr. pnl lmps off to bright; full CCW rotation, dome lmps, and/or courtesy lmps on.		
Other light switches	Locations and lamps controlled	Toe panel - hdpl. hi-beam & hi-beam indicator. Glove compt. - glove compt. lamp (a). Frt. dr. hinge pillars - dome and/or courtesy lamps (a). Steer. column-turn indicators and exterior lamps. Brake pedal pendent - stop lamps. Seat separator compt. - seat separator compt. lamps (16500 & 600). Steer. mast jacket - backup lamps (exc. 16500 & 600 with PG) (a).					
Other switches	Locations and devices controlled				Rt. of st. col., under instru. panel - overdrive control (a). Door & qtr. trim panels - power windows (a). Left of st. col., under instru. panel - power top & tailgate window (a). Frt seat lwr panel, left side - power seats (a).		
Windshield wiper	Make	Delco					
	Type	Electric, single-speed (a)					
	Vacuum booster provision	None					
Horn	Washer provision	None (a)					
	Type	Vibrator					
	Number used	2 (a)					
	Amp draw (each)	8.00 - 11.0 @ 12.5V					

(a) OPTIONAL EQUIPMENT: Clock 15000; tachometer, V-8; parking brake alarm 15000; glove compt. lamp 15300 & 400; instru. panel courtesy lamps exc. convertibles & sport coupes (door jam switches included with 15300 & 15400); backup lamps 15000; overdrive; radio; two-spd w/s wiper (including washer); washer for single-spd; low note third horn; power seats (not available 15300 & 400); power windows (not available 15300 & 400); power tailgate window, two seat wagons; Powerglide.

AMA Specifications - Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a) 2-22-6
15-16000 Standard Engines	15300 16500	15500 15600	16300 16400
			16500 16600

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	2-67; 2-1157	4-1157	
Stop		2-1157	2-1157	4-1157	
Direction signal	Front	2-1157			
	Rear	2-1157	2-1157	4-1157	
	Indicator	2-1445			
License Plate		1-1155			
Oil pressure indicator		1-1895		Gage	
Charge indicator		1-1895		Gage	
Instrument		5-1895		5-1895	
Clock		2-1895(a)	opt.	2-1895(a)	1-1895 std.
Radio		1-1893		- opt.	

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

Ignition lock	1-1445			std.
Back up	2-1156	opt.	2-1156	std.
Dome	Roof center, 1-211; rear qtr., 2-90; side rail, 2-90			std.
Glove compartment	1-1895	opt.	1-1895	std.
Prkg. brake signal	1-257		opt.	1-257 std.
Luggage compartment	1-1003 (NA wagons)		opt.	1-1003 (NA wagons) std.
Underhood	1-93			opt.
Courtesy	(d)		(b)	(c)
Auto. trans. dial indicator	1-1445		opt.	1-1895 opt.
Heater controls	2-1895			std.
Temp. indicator	2-1895		std.	Gage std.
Vacuum gage	NA			2-1895 std.
Traffic hazard indicator	1-1445			opt.

- (a) With tachometer option, clock illuminated with 1-1895.
- (b) Inst. panel courtesy opt. except std. 16300 & 400-37 & 67, 2-631; rear qtr. courtesy std. 9-pass. wagon, 1-90
- (c) Inst. panel courtesy std., 2-631; seat separator courtesy std., 1-211.
- (d) Inst. panel courtesy opt., 2-631; rear qtr. courtesy std. 9-pass. wagon, 1-90.

OTHER LAMPS

Tachometer	1-1895	opt.
Ash tray	1-53	opt.
Spot lamp	inside operated, 4405; portable, 4416	opt.

AMA Specifications - Passenger Car

MODEL OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (a)	2-22-65
	15-16000 Standard	15300	15500	16300	16500		
MODEL Engines	15400	15600	16400	16600			

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)	Courtesy lamp (all)	(b)
Parking lamp	(a)	Heater	AGC 10 (g)
Tail lamp	AGC 15 (b)	Air conditioning	Two AGC 30, one in "(g)"
Stop lamp	(b)	Tachometer	(d)
Direction indicator	AGC 3 (c)	Tachometer lamp	(c)
License plate lamp	(b)	Spot lamp	
Instrument lamp	(c)	inside operated	AGC 15
Ignition lamp	(c)	portable	(b)
Back up lamp	AGC 10 (d)	Underhood lamp	SAE 4
Dome lamp (all)	(b)	Traffic haz. ind.	(b)
Clock	(d)	Defogging unit	(d)
Clock lamp	(c)	Power windows	40 C. B.
Radio	AGC 2.5 (e)	Power seats	40 C. B.
Glove compartment lamp	(b)	Folding top motor	40 C. B.
Lugg. compt. lamp	(b)	Tailgate motor	40 C. B.
Park. brake alarm	(d)	OD solenoid	AGC 15
Heater controls lamp	(c)		
W wiper (single-speed)	SAE 20 (f)		
W/s wiper (two-speed)	"(f)" and 14 C. B.		
Fuel gage	(d)		
Gigarette lighter	(b)		
Oil temp. & gen. indicators	(d)		
Temp. gage	(d)		
Auto.trans. dial indicator	(c)		

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	29.3 (30.9 wagons)	
		Highest	29.3 (30.9 wagons)	
	Stop		29.3 (30.9 wagons)	
	Backup		29.3 (30.9 wagons)	
	License, rear			
	Directional	Front		18.7
		Rear		29.3 (30.9 wagons)
Headlamp	Inside		26.5	
	Outside*		26.5	

Distance from C/L of car to center of bulb	Tail	Inside	Impala 18.4 (19.3 wagons) Biscayne, Bel Air 24.6	
		Outside	30.7 (31.9 wagons)	
	Stop		Impala 18.4, Biscayne, Bel Air 24.6	
	Backup		24.6	
	License, rear			
	Directional	Front		29.1
		Rear		Impala 18.4, Biscayne, Bel Air 24.6
Headlamp	Inside		25.1	
	Outside*		33.0	

* If single headlamps are used enter here.

AMA Specifications - Passenger Car

MAKE OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED (a)	2-22-65
	15-16900		L-6		V-8		
MODEL	Standard Engines	Std. & OD	RPO M-01 Heavy duty	Std. & OD		RPO Z-04 Clutch and 4-spd.	

DRIVE UNITS--CLUTCH (Manual Transmission)

Make & type	Chevrolet, single dry disc			(a)
Type pressure plate springs	Diaphragm			(b)
Effective plate pressure (lb.)	1500-1800	1700-1950		2100-2300
No. of clutch driven discs	One			
Clutch facing	Material	Woven type asbs.	(c)	Woven type asbestos
	Outside & inside dia.	9.12 & 6.12	11.0 & 6.5	10.0 & 6.5
	Total eff. area (sq.in.)	71.8	123.7	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, standard, 4-spd. 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	1.0	1.48	
	In fourth	---	1.00	
	In reverse	2.94	2.64	
Synchronous meshing, specify gears	2nd and 3rd	Forward gears		
Shift lever location	Steering column	Floor		
Lubricant	Capacity (qt.)	2		
	Type recommended	For conventional axles, 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) RPO M01 has woven type front and molded type rear facings.

AMA Specifications - Passenger Car

Page 16

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

MODEL **15-1600** **L-6** **V-8**
Standard Engines

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: acceleration, 1440; deceleration, 1100
Lubricant	Gear ratio		.7
	Capacity (pt.) (Overdrive only)		1
	Separate filler (yes, no)		No
	Type recommended		Military Spec. MIL-L-2105-B
	SAE viscosity 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 (Lever, Push Button or other)		Lever, steering column mounted except 16500 and 16600 models floor mounted	
Selector Pattern		P-R-N-D-L	
List gear ratios Selector Pattern and indicate which are used in each selector position		D - 1.82 & 1.0	
		L & R - 1.82	
Max. upshift speeds—drive range		53	59
Max. kickdown speeds—drive range		49	55
Torque converter	Number of elements		3
	Max. ratio at stall		2.10:1
	Type of cooling (air, water)		Air (a)	Water
Lubricant	Capacity—refill (pt.)		3
	Type recommended		A, suffix A
Special transmission features			

DRIVE UNITS—PROPELLER SHAFT

Number used		1	
Type (exposed, torque tube)		Tubular, exposed	
Outer diameter x length x thickness	Manual transmission	3-Speed	3.25 x 62.16 x .065
		4-Speed	NA Same as manual 3-speed
	Overdrive transmission		Same as manual 3-speed
	Automatic transmission		Same as manual 3-speed

Center to center of universal joints, or to centerline of rear attachment

(Continued)

Form Rev.

(a) Oil cooler equipment available optionally.

AMA Specifications – Passenger Car

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

15-16000		
MODEL Standard Engines	L-6	V-8

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	---
Universal joints	Make	Chevrolet
	Number used	2
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)	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)	Standard; semi-floating, overhung pinion gear		
Limited Slip differential, type	Standard with dual disc clutches		
Drive Pinion Offset	1.5		
No. of differential pinions	Standard, 2; limited slip, 4		
Gear ratios (Std. equip.)	Manual transmission	Coupes and sedans, 3.08; convertibles, 3.36; sta. wagons, 3.55. 15400 and 15600 sedans, 3.08; 16400 except wgn. and 19600 models, 3.36; sta. wgn. 3.31 (a)	
	Overdrive transmission	Except wagons, 3.70 Sta. wagons, 3.73	
	Automatic transmission	Same as manual	
Ring gear O.D. (std. ratio)	3.08, 3.36 & 3.70, 8.125; 3.31, 3.55 & 3.73, 8.875		
Pinion adjustment (shim, other)	None		
Pinion bearing adj. (shim, other)	Shim		
Wheel bearing type	Single row cylindrical roller		
Lubricant	Capacity (pt.)	8.125 (ring gear) O.D. -3.5; 8.875 (ring gear) O.D. -4.0	
	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)

Axle ratio	3.08	3.31	3.36	3.55	3.70	3.73	
No. of teeth	Pinion	12	13	11	11	10	11
	Ring gear	37	43	37	39	37	41

(a) 4-Spd ratios except wgn. 3.36; wgn. 3.31.

AMA Specifications – Passenger Car

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

MODEL 15-16000	Standard Engines	Sedans and Coupes	Convertibles	Station wagons
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DRIVE UNITS—WHEELS

Type & material		Short spoke disc, steel		
Rim (size and flange type)	Std.	14 x 5J		14 x 6JK
	Opt.	14 x 6JK		---
		15 x 5K (with 15 in. tires)		
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 unless otherwise stated

Standard (List option below)	Size & ply	7.35 x 14-4PR	7.75 x 14-4PR	8.25 x 14-4PR
	Type - Nylon, etc.	Rayon		
Rev./mile at 50 mph.		805	774	755
Inflation press. (cold)	Front	24		
	Rear	24 except wagons 28		
Optional tires - size and ply		(a)	(b)	(c)

BRAKES—SERVICE

		Standard	Metallic (optional)
Type (duo-servo, disc, balanced, etc.)		Duo-servo 4-wheel hydraulic	
Self adjusting (std., opt., N.A.)		Standard reverse	
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	145.2
Gross lining area (sq. in.)**		198.4	145.2
Swept drum area (sq. in.)***		328.3	
Percent brake effectiveness—front		58.5	
Drum	Diameter	11.0	
	Front	11.0	
	Rear	11.0	
Type and material		Composite; rim, cast iron; web, steel	
Wheel cylinder bore	Front	1.1875	
	Rear	1.00	
Master cylinder bore		1.00	.875
Available pedal travel		6.48	
Line pressure at 100 lb. pedal load		717	936
Shoe clearance adjustment		Self adjusting	

* Excludes rivet holes, grooves, chamfers, etc.
 ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept areas for four brakes

(Continued)

- Widest lining contact width for each brake x its drum circumference.
- 1—"a" only: 7.35x14-4PR rayon W/W; 7.75x14-4PR rayon; 7.35x14-4PR (4-ply) nylon.
 - 2—"a" and "b" only: 7.75x14-4PR(4 ply) nylon B/W or W/W; 7.75x14-4PR rayon W/W; 8.25x14-4PR rayon; 7.75x15-4PR rayon; 7.75x15-4PR (4-ply) nylon; 7.75x15-4PR rayon tube; 7.75 x 15-4PR (4-ply) nylon tube; 7.75x15-4PR (4-ply) nylon tube (on-off type); 5x15-4PR rayon; 8.15x15-4PR (4-ply) nylon; 7.75x15-8PR () rayon.
 - 3—"c" only: 8.25x14-8PR () nylon B/W or W/W.
 - 4—"a", "b" and "c": 8.25 x 14-4PR (4-ply) nylon; 8.25 x 14-4PR rayon W/W.

AMA Specifications—Passenger Car

2-22-

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

MODEL 15-16000 Standard Engines	15300 15400	15500 15600	16300 16400	16500 16600
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BRAKES—SERVICE (cont.)

		Standard	Metallic (optional)	
Brake lining	Bonded or riveted		Bonded	
	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		
			Welded Sintered iron	
			1.64 x 1.37 x .175 2.00 x 1.00 x .175	
			1.64 x 1.37 x .295 2.00 x 1.00 x .295	
			Front 12; Rear 10	

BRAKES—PARKING

Type of control		Foot pedal apply, "T" handle release
Location of control		Left of steer. column, under instr. panel
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 axle upper control arm crossmember, rear shock absorber crossmember, and a rear crossmember. Welded box-construction side rails from front crossmember to aft of rear axle kickup.

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

Provision for car leveling		Front stabilizer bar
Provision for brake dip control		Angle of front upper control arm
Provision for acc. squat control		Geometry of rear suspension
Special provisions for car jacking		Front wheel-place jack just outboard of bumper guard Rear wheel-approx. 2" outboard of bumper joint.
Shock absorber front & rear	Type	Direct, double-acting, hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		Rear control arms shims for driveline alignment

SUSPENSION—FRONT

Type and description	Independent - SLA type with coil spring and concentric shock absorber and spherically-jointed steering knuckle for each wheel. Lower control arm strut-supported.
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Air Suspension:
Air spring type
Compressor data
type
make
drive ratio

Normal operating pressures
spring rates
leveling data

(Continued)

AMA Specifications - Passenger Cars

MAKE OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED	(2) 2-22-65
MODEL	15-16000 Standard Engines		L-6				V-8

SUSPENSION FRONT (cont.)

Spring	Type	coil, right hand helix	
	Material	steel alloy	
	Size (coil design height & I.D.; bar length x dia.)	11.76 & 3.80; 113.4 x .641	11.76 & 3.80; 141.1 x .636
	Spring rate (lb. per in.)	390	290
	Rate at wheel (lb. per in.)	132	104
	Design load (lb. @ design height)	1520 @ 11.76	1660 @ 11.76
Stabilizer	Type (link, linkless, frameless)	link	
	Material & bar diameter	HR steel; except wgns., .8125; wgns., .9375	

STEERING

Manual (std., opt., NA)					standard
Power (std., opt., NA)					optional
Adjustable steering wheel (tilt; swing, other)	Type and description	tilt: seven position with five inch vertical travel			
	(std., opt., NA)	optional			
Wheel diameter	Manual	16.5			
	Power	16.5			
Turning diameter	Outside front	Wall to wall (l. & r.)	44.1		
		Curb to curb (l. & r.)	40.8		
	Inside rear	Wall to wall (l. & r.)	24.2		
		Curb to curb (l. & r.)	24.5		
Outside wheel angle with inside wheel at 20°					20.29°

Manual	Gear	Type		semi-reversible, recirculating ball nut			
		Make		Saginaw			
		Ratios	Gear	24:1			
			Overall	28.2:1			
	No. wheel turns				5.42	(lock to lock)	
Power	Type (coaxial, linkage, etc.)					coaxial	
	Make					Saginaw	
	Gear	Type				same as manual	
		Ratios	Gear	17.5:1			
			Overall	19.4:1			
	Pump driven by					crankshaft pulley	
	Number wheel turns					3.52	(lock to lock)
Linkage	Type				parallelogram		
	Location (front or rear of wheels, other)				rear		
	Drag link (trans. or longit.)				none		
	Tie rods (one or two)				two		

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR **CHEVROLET** MODEL YEAR **1965** DATE ISSUED **9-28-64** REVISED **(*)2-22-65**
 MODEL **15-16000** **Standard Engines** **L-6** **V-8**

-STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		7 to 8
	Bearings (type)	Upper	ball stud with non-metallic bearing surfaces
		Lower	ball stud with non-metallic bearing surfaces
	Thrust	none required	
Wheel alignment (range and preferred)	Caster (deg.)		N 1/4 to P 3/4 (curb)
	Camber (deg.)		N 1/4 to P 3/4 (curb)
	Toe-in (outside tread-inches)		1/8 to 1/4 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			(a)	
Drive and torq. taken through (see page 17)			control arms	
Spring	Type		coil, right hand helix	
	Material		steel alloy	
	Size (length x width, coil design height and I.D.; bar length & dia.)		12.37 & 4.00; 113.9 x .623	12.37 & 4.00; 126.0 x .590
	Spring rate (lb. per in.)		265	230
	Rate at wheel (lb. per in.)		124.5	108.6
	Design load (lb. at design height)		1095 @ 12.37	1220 @ 12.37
	Mounting insulation type		none	
	If leaf	No. of leaves		↑
Inserts		Type and size	↓	
		Material	NA	
Shackle (comp. or tens.)		↓		
Stabilizer	Type (link, linkless, frameless)		none	
	Material		---	
Track bar type			lateral, frame to rear axle	

(a) Link type: except wagons, 2 lower control arms, 1 upper control arm, and tie rod; wagons, 2 upper and 2 lower control arms, and tie rod; support integral rear beam consisting of cast iron differential carrier and pressed in axle shaft housings.

AMA Specifications - Passenger Car

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

15-16000	SEDANS	SPORT SEDANS	SPORT COUPES	CONVERTIBLES	STATION WAGONS
Standard Engines	2-DR.	4-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		On pad, front right hand side of cylinder block
Theft protection - type		Shielded ignition lock terminals, key removable in "Off" position
Vent window control method (crank, friction pivot)	Front	Crank
	Rear	None
Seat cushion type	Front	Formed wire and foam pad
	Rear	Formed wire and foam pad
	3rd seat	---- Wire & foam pad
Seat back type	Front	Formed wire and cotton
	Rear	Formed wire and cotton
	3rd seat	---- Wire & cotton
Wind glass type (i.e., flat, curved - laminated plate)		Single curved, laminated
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound curve, solid tempered plate (a)
Side glass type (i.e., curved - tempered plate)		Curved, safety-solid plate
Side glass exposed surface area	1383.7 | 1366.2 | 1411.1 | 1333.8 | 1353.2 | 2572.3	
Windshield glass exposed surface area	1448.1 | 1384.3 | 1384.3 | 1384.3 | 1448.1	
Backlight glass exposed surface area	1173.5 | 1213.6 | 1381.0 | 813.0 | 925.9	
Total glass exposed surface area	3987.8 | 4005.3 | 4009.0 | 4099.1 | 3550.5 | 4945.3	

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

Power windows	Side Windows	Optional
	Vent Windows	NA
	Backlight or tailgate	Standard on 9-passenger wagon, optional on 6-passenger
Power seats (specify type as well as availability)		6 way electric, optional
Reclining front seat back		NA
Front seat headrest		NA
Radios (specify type as well as availability)		Push button, manual, AM-FM optional
Rear seat speaker		Optional
Power Antenna		Optional
Clock		Standard on 163-164-165-16600; Optional on 153-154-155-15600
Conditioner (specify type as well as availability)		All weather, optional

(a) Flat tempered plate on convertible.

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MAKE OF CAR CHEVROLET MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (*)2-22-6

WEIGHTS

Model	CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT	
	Front	Rear	Total	Pass. In Front		Pass. In Rear		Front	Rear
				Front	Rear	Front	Rear		
		230	283					230	283
Biscayne									
15311 15411		3450	3610	30	70			3305	3455
15335 15435		3935	4080	30	70			3765	3900
15369 15469		3510	3670	30	70			3365	3515
Bel Air									
15511 15611		3455	3620	30	70			3310	3460
15535 15635		3935	4085	30	70			3765	3905
15545 15645		3980	4130	22	78			3810	3950
15569 15669		3525	3685	30	70			3380	3530
Impala									
16335 16435		3995	4140	30	70			3825	3960
16337 16437		3530	3680	37	63			3385	3525
16339 16439		3635	3785	30	70			3490	3630
16345 16445		4035	4185	22	78			3865	4005
16367 16467		3615	3765	37	63			3470	3605
16369 16469		3605	3750	30	70			3460	3595
Impala Super Sport									
16537 16637		3580	3730	37	63			3435	3570
16567 16667		3650	3800	37	63			3505	3645
Accessories & Equipment Differential Weights		230	283	Remarks					
Air Conditioning		+ 122	+ 120						
Brakes, Power		+ 11	+ 10						
Heater, Delete		- 22	- 22						
Radio, Manual		+ 7	+ 7						
Radio, Push Button		+ 9	+ 9						
Radio, Push Button AM-FM		+ 10	+ 10						
Seat, Power		+ 22	+ 22						
Steering, Power		+ 31	+ 31						
Transmission, Overdrive		+ 34	+ 34						
Transmission, Powerglide		+ 16	+ 19						
Windows, Power		+ 19	+ 19						
Caprice Equip. (Model 16439 only)		--	+ 34						

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

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GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		15400, 15600, 16400 & 16600	Additional Information Page No.:	327 Cu. In. V-8		396 Cu. In. V-8	
				250 HP	300 HP	325 HP	425 HP
Wheelbase (L101)		23		119.0			
Tread	Front (W101)	22		62.5, Wagons 63.5			
	Rear (W102)	22		62.4, Wagons 63.4			
Maximum Overall Dimensions	Length (L103)	23		213.1, Wagons 213.3			
	Width (W103)	22		79.6			
	Height (H101)	24		55.4, Sp. Sed. 54.5, Sp. Coupe 54.1, Conv. 55.1			
Transmission— (Specify trade name - opt., not available)	Manual	15	Synchro- mesh	3-Spd. Std; RPO M13 Hvy. Dty. 3-Spd. Opt; RPO M20 4-Spd Opt		RPO M13 Hvy Dty 3-Spd Opt. RPO M20 or M21 4-Spd Opt. (a)	
	Overdrive	16		NA			
	Automatic	16		Powerglide Optional (b)		NA	
Axle ratio	Manual	17	3 4	3.31 (c)			
	Overdrive	17		NA			
	Automatic	17	Pwrgld Tur. Hyd	3.07	3.31	3.07	2.73 NA
Tire size		18		Wgns. 8.25 x 14; bal. 7.75 x 14		8.25 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		4.094 x 3.76	
	Piston displ., cu.in.	2		327		396	
	Std. compression ratio	2		10.5:1		10.25:1	11.0:1
	Max. bhp at engine rpm	2		250 @ 4400	300 @ 5000	325 @ 4800	425 @ 6400
	Max. torque at rpm	2		350 @ 2800	360 @ 3200	410 @ 3200	415 @ 4000

(a) M21 and also a 4-Spd. Heavy Duty version available with 425 HP only

(b) Turbo Hydra-matic available as an option with 325 HP

(c) Optional 4.10, 4.56 & 4.88 available with 425 HP and M21 Trans. option or 4-Spd. Hvy. Duty.

AMA Specifications—Passenger Car

MAKE OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED	(2-22-65)
MODEL	15400, 15600	327 Cu. In. V-8		396 Cu. In. V-8			
	16400, 16600	250 HP	300 HP	325 HP	425 HP		

ENGINE—GENERAL

Type, no. cyls., valve arr.		90° OHV V-8			
Bore and stroke (nominal)		4.001 x 3.250		4.094 x 3.76	
Piston displacement, c.u. in.		327		396	
Bore spacing (C/L to C/L)		4.40		4.84	
No. system (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			
Compres. ratio (nominal)		10.5:1		10.25:1	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		3° 54'			
Taxable horsepower	Dia.² x No. Cyl. 2.5	51.2		59.5	
Published max. bhp* @ RPM		250 @ 4400	300 @ 5000	325 @ 4800	425 @ 6400
Published max. torque* (lb. ft. @ RPM)		350 @ 2800	360 @ 3200	410 @ 3200	415 @ 4000
Recommended fuel regular - premium		Premium			
Idle speed (spec. neutral or drive)	Manual	500 in neutral			700 in neutral
	Automatic	475 in drive			--

ENGINE—PISTONS

Material		Cast aluminum alloy		Aluminum impact extruded	
		Flat head; notched; slipper skirt		Domed head, valve cutout slipper skirt	
Description and finish		Flat head; notched; slipper skirt		Domed head, valve cutout slipper skirt	
Weight (piston only) oz.		21.60		26.92 24.00	
Clearance (limits)	Top land	.0365-.0455		.0305-.0375 .0265-.0335	
	Skirt	Top	.0005-.0011 (a)		.0007-.0013 (b) .0027-.0033 (a)
		Bottom	----		----
Ring groove depth	No. 1 ring	.2217-.2283		.2253-.2318	
	No. 2 ring	.2217-.2283		.2253-.2318	
	No. 3 ring	.2038-.2103		.2118-.2128	
	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 2.24 from top of piston
- (b) Measured at 1.95 from top of piston
- (c) Measured at 2.13 from top of piston

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MAKE OF CAR CHEVROLET

MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (6)2-22-65

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		A	B	C	D
15400-15600 16400-16600	327 *	4-Bbl	10.5:1	250	350	3-Speed	3.31:1	--	--	--
				@	@	3-Speed Hvy. Dty.* (Fully Synchronized)	3.31:1	--	--	--
				4400	2800	4-Speed* Powerglide*	3.31:1	--	--	--
							--	--	3.07:1 (Std)	--
	396 *	Large 4-Bbl Alum	10.5:1	300	360	3-Speed	3.31:1	--	--	--
@				@	3-Speed Hvy. Dty.*	3.31:1	--	--	--	
				5000	3200	4-Speed * Powerglide *	3.31:1	--	--	--
							3.31:1	--	--	--
	396 *	Quadra- Jet or Large 4-Bbl	10.25:1	325	410	3-Speed Hvy. Dty.* (Fully Synchronized)	3.31:1	--	--	--
@				@	4-Speed * Powerglide *	3.31:1	--	--	--	
						4800	3200	Turbo Hydra-Matic	2.73:1	--
		Large 4-Bbl	11.0:1	425	415	3-Speed Hvy. Dty. * (Fully Synchronized)	3.31:1	--	--	--
				@	@	4-Speed * (2.20:1 Low)	3.31:1	3.55:1 3.73:1	--	4.10:1 4.56:1 4.88:1
				6400	4000	4-Speed * (2.56:1 Low)	3.31:1	--	--	--

- ¢ - Also available as a Heavy Duty option
- * - Optional
- A - General Purpose Standard (Also available as positraction)
- B - Performance (Also available as positraction)
- C - Performance Cruise (Also available as positraction)
- D - High Performance (Available as positraction only)

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED	02-22-65
MODEL	15400, 15600,	327 Cu. In. V-8	396 Cu. In. V-8				
	16400 & 16600	250 HP	300 HP	325 HP	425 HP		

ENGINE—RINGS

Function (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 - Upper:	Cast alloy iron; inside bevel; chrome plate; molybdenum on 425		
	material, type, coating, etc. Lower:	Two piece; cast alloy ring, wear resistant coating & stl. expander	Cast alloy iron wear resist. ctg. Molybdenum ctg.	
	Width	Upper .0775-.0780; Lower .0770-.0775	.0620-.0625	
	Gap	Upr .013-.023; Lwr .013-.025	.010-.020	
Oil	Description - material, type, coating, etc.	Multi-piece (2 rails and one spacer expander). Rails - Steel, chromeplated OD. Expanders - Stainless Steel.		
	Width	.1840-.1880 assembled	.1890-.1910 assembled	
	Gap	.015-.055	.010-.030	
	Expanders	In oil ring assembly		

ENGINE—PISTON PINS

Material	Chromium steel			
Length	2.990-3.010	2.930-2.950		
Diameter	.9270-.9273	.9895-.9898		
type	Locked in rod, in piston, floating, etc.	Locked in rod		
	Bushing	In rod or piston	None	
	Material	---		
Clearance	In piston	.00015-.00025	.00025-.00035	.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.)	21.60	30.00		
Length (center to center)	5.699-5.701	6.134-6.136		
Bearing	Material & Type	Premium aluminum		
	Overall length	.807	.857	
	Clearance (limits)	.0007-.0028		
	End play	.009-.013	.016-.020	

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a)2-22-6
MODEL 15400, 15600, 16400 & 16600	327 Cu. In. V-8 250 HP	300 HP	396 Cu. In. V-8 325 HP 425 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	.006-.010	
Main bearing	Material & type	Premium aluminum except No. 5 Upper on 327 and No. 5 on 396 sintered copper nickel backed babbitt		
	Clearance	#1-4 .0008-.0034; #5 .0010-.0036	#1-4 .0006-.0022; #5 .0017-.0033	
	Journal dia. and bearing overall length	No. 1	2.3013 x .752	2.7506 x .992
		No. 2	2.3009 x .752	2.7506 x .992
		No. 3	2.3009 x .752	2.7506 x .992
		No. 4	2.3009 x .752	2.7506 x .992
		No. 5	2.3006 x 1.1824	2.7513 x 1.2525
No. 6	None			
No. 7	None			
Dir. & amt. cyl. offset		None		
Crankpin journal diameter		1.999-2.000	2.199-2.2000	

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 alloy iron	Cast aluminum sprocket	
	Timing chain	No. of links	46	50
		Width	.875	.880
		Pitch	.500	

ENGINE—VALVE SYSTEM

Hydraulic lifters (Std, opt, NA)		Standard	NA
Valve rotator, type (intake, exhaust)		None	
Rocker ratio		1.50:1	1.70:1
Operating tappet clearance (Indicate hot or cold)	Intake	Zero	.020
	Exhaust	Zero	.020
Timing marks on flywheel, damper, other		Harmonic Balancer	

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET **MODEL YEAR** 1965 **DATE ISSUED** 9-28-64 **REVISED** (12-22-65)

MODEL 15400, 15600, 16400 & 16600	327 Cu. In. V-8 250 HP	300 HP	396 Cu. In. V-8 325 HP	425 HP
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ENGINE—VALVE SYSTEM (cont.)

Timing (A)	Intake	Opens (°BTC)	32° 30'	40°	54°	
		Closes (°ABC)	87° 30'	102°	102°	
		Duration - deg.	300°	322°	336°	
	Exhaust	Opens (°BBC)	74° 30'	87°	102°	
		Closes (°ATC)	45° 30'	55°	54°	
		Duration - deg.	300°	322°	336°	
Valve opening overlap		78°	99°	108°		
Intake	Material		Alloy Steel	Alloy Steel-Aluminized face		
	Overall length		4.870-4.889	5.215-5.235	5.204-5.224	
	Actual overall head dia.		1.935-1.945	2.060-2.070	2.185-2.195	
	Angle of seat & face		46° (seat) 45° (face)			
	Seat insert material		None			
	Stem diameter		.3404-.3417	.3715-.3722		
	Stem to guide clearance		.0010-.0033	.0010-.0027		
	Lift (@ zero lash)		.3987	.3983	.5197	
	Outer spring press. and length	Valve closed (lb. @ in.)	78-86 @ 1.66	84-96 @ 1.88	94-106 @ 1.88	
		Valve open (lb. @ in.)	170-180 @ 1.26	210-230 @ 1.46	303-327 @ 1.38	
	Inner spring press. and length	Valve closed (lb. @ in.)	Spring Damper			
		Valve open (lb. @ in.)	Spring Damper			
	Exhaust	Material		High Alloy Steel - Aluminized Face		
		Overall length		4.913-4.933	5.345-5.365	
Actual overall head dia.		1.495-1.505	1.715-1.725			
Angle of seat & face		46° (seat) 45° (face)				
Seat insert material		None				
Stem diameter		.3410-.3417	.3710-.3717			
Stem to guide clearance		.0010-.0027	.0015-.0032			
Lift (@ zero lash)		.3987	.3983	.5197		
Outer spring press. and length		Valve closed (lb. @ in.)	78-86 @ 1.66	84-96 @ 1.88	94-106 @ 1.88	
		Valve open (lb. @ in.)	170-180 @ 1.26	210-230 @ 1.46	303-327 @ 1.38	
Inner spring press. and length		Valve closed (lb. @ in.)	Spring Damper			
	Valve open (lb. @ in.)	Spring Damper				

ENGINE—LUBRICATION SYSTEM

Type of lubrication (splash, pressure, etc.)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Centrifugally oiled from front camshaft bearing
	Cylinder walls	Pressure, jet cross sprayed

(A) - Values for 250, 300 & 325 HP include ramps. (Continued)
 Values for 425 HP given with lash of .020 intake & exhaust.

AMA Specifications – Passenger Car

MAKE OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED	(a) 2-22-64
MODEL	15400, 15600, 16400 & 16600		327 Cu. In. V-8 250 HP		300 HP	396 Cu. In. V-8 325 HP	425 HP

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type		Gear
Normal oil pressure (lb. @ engine rpm)	30-45 PSI @ 1500	50-75 PSI @ 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	4
*		
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 or SAE 10W-30 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)	Single with crossover	Dual	Single with crossover	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	One with resonator	Two with resonators	One with resonator	Two with resonators
Exhaust pipe dia. (O.D. & wall thickness)	Branch	2.00x.073-.091	--	2.50x.073-.091
	Main	2.50x.073-.091 Laminated		
Tail pipe diameter (O.D. & wall thickness)	2.00x.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		
Complete system	Control method (variable orifice, fixed orifice, other)	Variable orifice		Fixed orifice
	Discharges (to intake manifold, carb. air intake, air cleaner intake, other)	Intake manifold		
Complete system	Air inlet (breather cap, carburetor air cleaner, other)	Breather cap		Carburetor Air cleaner
	Flame arrestor (screen, check valve, other)	Check valve		Screen

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

AMA Specifications— Passenger Car

TYPE OF CAR	CHEVROLET	MODEL YEAR	1965	DATE ISSUED	9-28-64	REVISED	(a)2-22-65
MODEL	15400, 15600, 16400 & 16600	327 Cu. In. V-8	250 HP	300 HP	396 Cu. In. V-8	325 HP	425 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 (24 on Station Wagons)-approximately
	Filler location	Behind hinged rear license plate (a)
Fuel Pump	Type (elec. or mech.)	Mechanical
	Locations	Lower right front corner of engine
	Pressure range	5.25-6.50 psi
Vacuum booster (std., optional, none)		None
Fuel Filter	Type	Fine mesh plastic strainer in gas tank
	Locations	* Sintered bronze filter in carburetor inlet
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		
15400 15600 16400 16500	327 250 hp	3-Speed	Carter	3846247	One; 4-Bbl Down-draft	1.4375 (P) 1.4375 (S)
		4-Speed				
		Powerglide	Carter Rochester	3846246 7025121		
	327 300 hp	3-Speed	Carter	3851761	One; 4-Bbl Alum Down-draft	1.5625 (P) 1.6875 (S)
		4-Speed				
	Powerglide	Carter	3851762			
	396 325 hp	3-Speed & 4-Speed	Holley	3874898	One; Four Barrel	1.562 Primary & Secondary
			Rochester	7025201			Quadra-Jet	1.388 Prim 2.25 Scndry.
		Powerglide	Holley	3868864	One; Four Barrel	1.562 Primary & Secondary
			Rochester	7025200	Quadra-Jet	1.388 Prim 2.25 Scndry.
	396 425 hp	3-Speed & 4-Speed	Holley	3869933	One; Four Barrel	1.686 Primary & Secondary

(a) Left rear quarter panel on Station Wagons.

Glass bowl with filter element on 300 HP and In-line paper element on 425 HP positioned between carburetor and fuel pump.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a)2-22-
MODEL 15400, 15600, 16400 & 16600	327 Cu. In. V-8 250 HP	300 HP	396 Cu. In. V-8 325 HP 425 HP

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure			
Radiator cap relief valve pressure		15 ± 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	82 @ 5200		
	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	1.88	
	Upper	Number and type (molded, straight)	One, molded		
		Inside diameter	1.50	1.50	
	By-pass	Number and type (molded, straight)	None	One, molded	
		Inside diameter	None	.745	
	Fan	Number of blades & Spacing	5. Staggered	4	5. Staggered
		Diameter	18.00	17.62	18.80
Ratio-fan to crankshaft rev.		.949:1			
Fan cutout type		Thermo-modulated-viscous coupling **			
Bearing type		Double row ball			
* Drive belts (Indicate belt used by letter)	Fan	A	D	EF	
	Generator	A	D	E	
	Water Pump	A	D	EF	
	Power Steering	B		FG	
	Air Conditioning	C		GH	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H
Angle of V	38°-42°							
Nominal length (SAE)	53.25	35.00	57.50	56.20	55.50	43.00	37.30	55.90
Width	.380							

* With heater. ** Standard on 250, 300 & 425 HP, optional on 325 HP

AMA Specifications - Passenger Car

TYPE OF CAR **CHEVROLET**

MODEL YEAR **1965** DATE ISSUED **9-28-64** REVISED **(*)2-22-65**

MODEL 15400, 15600, 16400 & 16600	327 Cu. In. V-8 250 HP 300 HP	396 Cu. In. V-8 325 HP 425 HP
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ELECTRICAL-SUPPLY SYSTEM

Battery	Make and Model	Delco-Remy #1980558 (#1980568 on 340 HP)		
	Voltage Rtg. & Total Plates	12 volts, 66 plates		
	SAE Designation & Amp Hr. Rtg	61 amp. hr. @ 20 hr. (a)		
	Location	Right frt of engine compartment		
	Terminal grounded	Negative		
Generator	Make	Delco-Remy		
	Model	#1100693	#1100696	
	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	None	
		Reverse current to open		
	Regulated	Voltage	13.8 - 14.8 @ 85° F	
		Current		
Voltage test conditions	Temperature	Operating		
	Load	3 - 8 amperes		
	Other	None		

ELECTRICAL-STARTING SYSTEM

Starting motor	Make	Delco-Remy		
	Model	#1107320	#1107365	
	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		
	Switch (solenoid, manual)	Solenoid		
Motor control	Starting procedure	<p>SYNCHROMESH - Place gearshift in neutral & depress clutch to floor.</p> <p>POWERGLIDE - Place control lever in N or P position.</p> <p>INITIAL START - Press accelerator pedal to floor once to set automatic choke, then release. Turn ignition to START - release as soon as engine starts.</p>		

(a) 70 amp. hr. @ 20 hr. rate for 340 HP.

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64 REVISED (*)2-22-6	
MODEL 15400, 15600, 16400 & 16600	327 Cu. In. V-8 250 HP	396 Cu. In. V-8 300 HP	325 HP 425 HP

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid	
	Pinion meshes (front, rear)		Rear	
	Number of teeth	Pinion	9	
		Flywheel	153	168
Flywheel tooth face width		.4010 - .4130	.4100 - .4220	

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco-Remy		
	Model		#1115204	#1115210	
	Amps	Engine stopped	4.0		
Engine idling		1.8			
Distributor	Make		Delco-Remy		
	Model		#1111075	#1111073	#1111100
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	750	600	1000
		Intermediate points deg. @ rpm			
		Max deg. @ rpm	26 @ 4100	28 @ 4400	
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	6	6	8
		Intermediate points, deg @ in Hg			
		Max. deg. in. Hg.	22 @ 12	24 @ 13	15 @ 15.5
	Breaker gap (in.)		.019		
	Cam angle (deg.)		28° - 32°		
Breaker arm tension (oz.)		19-23			
Timing	Crankshaft deg. @ rpm.		8° @ 550	4 @ 500	10 @ 700
	Mark location		Harmonic balancer		
	Cylinder numbering system (see page 2)		Left bank 1-3-5-7 Right bank 2-4-6-8		
Firing order (see page 2)		1-8-4-3-6-5-7-2			
Spark Plug	Make and model		AC 44	AC 43N (Long reach)	
	Thread (mm)		14		
	Tightening torque (lb. ft.)		25		
	Gap		.033 - .038		
Cable	Conductor type		Linen core impregnated with electrical conducting material		
	Insulation type		Rubber with neoprene jacket		
	Spark plug protector		Hypalon jacket		

ELECTRICAL—SUPPRESSION

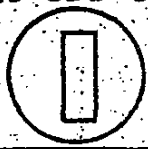
Locations & type	Non-metallic high tension ignition cables.
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AMA Specifications - Passenger Car

TYPE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 2-28-64	REVISED (a)2-22-65
15-16000 Opt. Hi-Perf. Engines.			
MODEL L30, 74, 35 & 78	15400	15600	16400

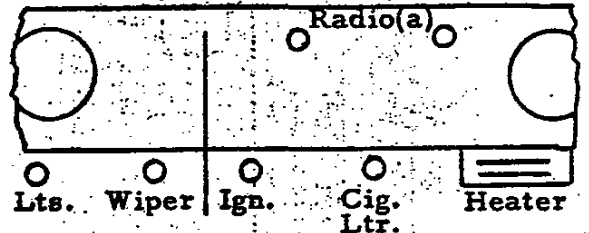
ELECTRICAL-INSTRUMENTS AND SWITCHES

Speedometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator-type		Tell-tale
Temperature indicator-type		Gage
Oil pressure indicator-type		Tell-tale (red "hot"; green "cold")
Fuel indicator-type		Tell-tale
Other		Electric gage

Ignition switch	Identify positions in order and circuits controlled	ACCESSORY OFF ON START 	ACCESSORY -Accessories (ignition off). OFF - off, locked. ON - ignition, batt., accessories START - starter motor, spring return to ON.
	Provision for illumination	1-1445	
	Location	Instrument panel to right of steering column	

Main light switch	Identify positions and lamps controlled	 1st position Inst. pnl lamps, parking, tail & license lamps.	 2nd position Inst. pnl lamps, hdips, tail and license lamps.	 CW rotation Instru. panel lamps, dim to off.	 CCW rotation. Inst. pnl lamps off to bright; full CCW rotation, dome lamp and/or courtesy lamps on.
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Other light switches	Locations and lamps controlled	Toe panel - Hdip. dimmer. Glove compt. - Glove compt. lamp (a). Front door hinge pillars - dome and/or courtesy (a). Steering column - Turn indicators and lamps. Brake pedal pendent - Stop lamps. Seat separator compt. - St. sep. compt. lamp (16600). Steering mast jacket - backup lamps (except 16600 with PG) (a).
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Other switches	Locations and devices controlled		Door & qtr. trim panels - power windows (a). Left of st. col., under instru. panel - power top & tailgate window (a). Front seat lower panel, left side - power seats (a).
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Windshield wiper	Make	Delco
	Type	Electric, single speed (a)
	Vacuum booster provision	None
	Washer provision	None (a)
Horn	Type	Vibrator
	Number used	2 (a)
	Amp draw (each)	8.00 - 11.0 @ 12.5 V

OPTIONAL EQUIPMENT: Clock 15000; tachometer; parking brake alarm 15000; glove compt. lamp 15400; inst. panel courtesy lamps exc conv's. & sport coupes (door jam switches not available with 15400 exc with opt. courtesy lamps); back-up lamps 15000; radio; 2-speed w/s wiper (including washer); washer for single-sp; low note 3rd horn; power seats (not avail. 15400); power windows (not avail. 15400); power tailgate window, 2-seat wagons; Powerglide.

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (*)2-22-65
15-16000 Opt.			
Hi-Perf. Engines			
MODEL L30, 74, 35 & 78	15400	15600	16400
			16600

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	2-67; 2-1157	4-1157
Stop		2-1157	2-1157	4-1157
Direction signal	Front	2-1157		
	Rear	2-1157	2-1157	4-1157
	Indicator	2-1445		
License Plate		1-1155		
Oil pressure indicator		1-1895		Gage
Charge indicator		1-1895		Gage
Instrument		5-1895		5-1895
Clock		2-1895 (a) Opt.	2-1895 (a) Std.	1-1895 Std.
Radio		1-1893		Opt.

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

Ignition lock	1-1445			Std.
Back up	2-1156 Opt.	2-1156		Std.
Dome	Roof center, 1-211; rear qtr. 2-90; side rail, 2-90			Std.
Glove compartment	1-1895 Opt.	1-1895		Std.
Prkg. brake signal	1-257 Opt.	1-257		Std.
Luggage compartment	1-1003 (NA wgn.s.) Opt.	1-1003 (NA wgn.s.)		Std.
Underhood	1-93			
Courtesy	(d)	(b)	(c)	
Auto. trans. dial indicator	1-1445		1-1895	Opt.
Heater controls	2-1895			
Temp. indicator	2-1895	Std.	Gage	Std.
Vacuum gage	NA		2-1895	Std.
Traffic hazard indicator	1-1445			Opt.

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

(b) Instru. panel courtesy opt. exc. std. 16437 & 16467, 2-631; rear qtr. courtesy std. 9-passenger wagon, 1-90.

(c) Instru. panel courtesy std., 2-631; seat separator courtesy std., 1-211.

(d) Instru. panel courtesy opt., 2-631; rear qtr. courtesy std. 9-passenger wagon, 1-90.

OTHER LAMPS

Tachometer	1-1895	Opt.
Ash tray	1-53	Opt.
Spot lamp	Inside operated, 1-4405; Portable, 1-4416	Opt.

AMA Specifications - Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a) 2-22-65
15-16000 Opt. Hi-Perf. Engines, MODEL L30, 74, 35 & 78	15400	15600	16400 16600

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)	Courtesy lamp (all)	(b)
Parking lamp		(a)	Heater	AGC 10 (g)
Tail lamp	AGC 15	(b)	Air conditioning	Two AGC 30, one in "(g)"
Stop lamp		(b)	Tachometer	(d)
Direction indicator	AGC 3	(c)	Tachometer lamp	(c)
License plate lamp		(b)	Spot lamp	
Instrument lamp		(c)	inside operated	AGC 15
Ignition lamp		(c)	portable	(b)
Back up lamp	AGC 10	(d)	Underhood lamp	SAE 4
Dome lamp (ALL)		(b)	Traffic hazard ind.	(b)
Clock		(d)	Defogging unit	(d)
Clock lamp		(c)	Power windows	40 CB
Radio	AGC 2.5	(e)	Power seats	40 CB
Glove compartment lamp		(b)	Folding top motor	40 CB
Lugg. compt. lamp		(b)	Tailgate motor	40 CB
Park. brake alarm		(d)		
Htr. controls lamp		(c)		
W/S wiper (single-spd)	SAE 20	(f)		
wiper (two-speed)	"(f)" & 14 C. B.			
Fuel gage		(d)		
Cigarette lighter		(b)		
Oil, temp. & gen. indicator		(d)		
Temp. gage		(d)		
Auto. trans. dial indicator		(c)		

ELECTRICAL-LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	29.3 (30.9 wagons)		
		Highest	29.3 (30.9 wagons)		
	Stop		29.3 (30.9 wagons)		
	Backup		29.3 (30.9 wagons)		
	License, rear				
	Directional	Front		18.7	
		Rear		29.3 (30.9 wagons)	
Headlamp	Inside		26.5		
	Outside*		26.5		
Distance from C/L of car to center of bulb	Tail	Inside	Impala 18.4 (19.3 wagons)	Biscayne, Bel Air 24.6	
		Outside	30.7 (31.9 wagons)		
	Stop	Impala	18.4	Biscayne, Bel Air 24.6	
	Backup		24.6		
	License, rear				
Directional	Front		29.1		
	Rear	Impala	18.4	Biscayne, Bel Air 24.6	
Headlamp	Inside		25.1		
	Outside*		33.0		

* If single headlamps are used enter here.

AMA Specifications - Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a) 2-22-65
15-16000 Opt. Hi-Perf. Engines MODEL L30, 74, 35 & 78	250 HP-L30	300 HP-L74	325 HP-L35 425 HP L-78
3-Speed, 3-Speed Heavy Duty, 4-Speed			

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Chevrolet, single dry disk, centrifugal		
Type pressure plate springs	Diaphragm, bent finger design		
Effective plate pressure (lb.)	2100-2300	2300-2600	
No. of clutch driven discs	One		
Material	Woven type asbestos		
Clutch facing	Outside & inside dia.	10.4 & 6.5	11.0 & 6.5
	Total eff. area (sq.in.)	103.5	123.7
	Thickness	.135 each	.140 each
	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-Spd. (Std) 3-Spd Hvy. Dty (Opt) 4-Spd (Opt) 4-Spd Hvy. Dty (a)		
Manual with overdrive (std. or opt.)	NA		
Automatic (std. or opt.)	Optional	NA	

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds	3	3 (Hvy. Dty)	4 (b)	
Transmission ratios	In first	2.58	2.41	
	In second	1.48	1.56	
	In third	1.00	1.00	
	In fourth	----	---	
	In reverse	2.58	2.41	2.64
Synchronous meshing, specify gears	2nd & 3rd	All gears	Forward gears	
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) 4-Spd Hvy Duty available with 425 HP only
 (b) Close ratio also offered with L78 2.20, 1.64, 1.28, 1.00 and 2.27

AMA Specifications – Passenger Car

OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a)2-22-65
15-16000 Optional Hi-Performance Engines: MODEL L30, L74, L35, L78.	250 HP L30	300 HP L74	325 HP L35
			425 HP L78

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		
	Lubricant	Capacity (pt.) (Overdrive only)	
Separate filler (yes, no)			
Type recommended			
SAE viscosity number		Summer	
	Winter		
	Ext. cold		

DRIVE UNITS—AUTOMATIC TRANSMISSION L30, L74 & L35

Trade name	Powerglide		L35 only Turbo Hydra-Matic
Type describe	Torque converter w/planetary gears		Torque converter w/planetary gears
Method of Selection (Lever, Push Button or other)	Lever on steering column exc. floor on 16600		
Selector Pattern	P-R-N-D-L		P-R-N-D-L ₂ -L ₁
List gear ratios Selector Pattern and indicate which are used in each selector position	D-1.76 & 1.0 L & R - 1.76		L ₁ -2.48 L ₂ -2.48, 1.48 D-2.48, 1.48, 1.0 R - 2.08
Max. upshift speeds—drive range	58	65	(2-3)85(1-2)52
Max. kickdown speeds—drive range	59	61	(3-2)77(2-1)40
Torque 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		1	
Type (exposed, torque tube)		Tubular, exposed	
Outer diameter x length* x	Manual transmission	3	NA
		4	3.25 x 62.19 x .065
	Overdrive transmission		NA
Automatic transmission		3.25 x 62.19 x .065	NA

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

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a)2-22-65	
15-16000 Opt. Hi-Perf. Engines:	250 HP	300 HP	325 HP	425 HP
MODEL L30, 74, 35 & 78	L30	L74	L35	L78

DRIVE UNITS—PROPELLER SHAFT (cont.)

Inter-axle bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	----
Universal joints	Make	Chevrolet
	Number used	2
	Type (ball and trunnion, cross, other)	Cross
	Bearing	Type (plain, anti-friction)	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)	Standard; semi-floating, overhung pinion gear			
Limited Slip differential, type	Standard with dual disc clutches			
Drive Pinion Offset	1.5			
No. of differential pinions	Standard 2; limited slip 4			
Gear ratios (Std. equip.)	Manual trans	3-spd.	3.31	
		4-spd.	3.31	
	Overdrive transmission	NA		
	Automatic transmission	3.07	3.31	3.07
		NA	2.73	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 viscosity 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	2.73
Nb. of teeth	Pinion	14	15
	Ring gear	43	41

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.

#30

		CHEVROLET	
MANUFACTURER	Chevrolet Motor Division General Motors Corporation	CAR NAME	154-156-164-1660 Series, with 327 Cu. In. V-8 and 396 Cu. In. V-8 Engine
MAILING ADDRESS	Owner Relations Service Dept. Chevrolet Motor Division General Motors Building Detroit, Michigan 48202	MODEL YEAR	1965
		ISSUED:	9-28-64
		REVISED (a)	2-22-65

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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BODY-TYPES AND STYLE NAMES—		<small>Body type, number of passenger & style names; use manufacturer's code for series & body style.</small>	
		327 Cu. In. V-8	396 Cu. In. V-8
BISCAYNE	15411		2-Door Sedan - 6-Passenger
	15435		4-Door Station Wagon - 2-Seat
	15469		4-Door Sedan - 6-Passenger
BEL AIR	15611		2-Door Sedan - 6-Passenger
	15635		4-Door Station Wagon - 2-Seat
	15645		4-Door Station Wagon - 3-Seat
	15669		4-Door Sedan - 6-Passenger
IMPALA	16435		4-Door Station Wagon - 2-Seat
	16439*		4-Door Sport Sedan - 6-Passenger
	16445		4-Door Station Wagon - 3-Seat
	16437		2-Door Sport Coupe - 5-Passenger
	16467		2-Door Convertible - 5-Passenger
	16469		4-Door Sedan - 6-Passenger
IMPALA SUPER SPORT	16637		2-Door Sport Coupe - 4-Passenger
	16667		2-Door Convertible - 4-Passenger

* - Caprice special sport sedan equipment available as RPO Z18.

AMA Specifications – Passenger Car

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

16000 Optional Hi-Performance Engines:	250 HP L30	300 HP L74	325 HP L35	425 HP L78
MODEL L30, 74, 35 & 78				

DRIVE UNITS—WHEELS

Type & material		Short Spoke disc, steel	
Rim (size and flange type)	Std.	14x5J exc. wagons 14x6JK	14x6 JK
	Opt.	14x6JK except wagons	
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 unless indicated otherwise.

Standard (List option below)	Size & ply	7.75 x 14-4PR exc wgn 8.25 x 14-4PR	8.25 x 14-4PR
	Type - Nylon, etc.	Rayon	
Rev/mile at 50 mph.		774	755
Inflation press.(cold)	Front	24	24
	Rear	24	24 except wagons 28
Optional tires - size and ply		(a)	(b)

BRAKES—SERVICE

		Standard	Metallic (Optional)
Type (duo-servo, disc, balanced, etc.)		Duo-servo, 4-wheel hydraulic	
adjusting (std., opt., N.A.)		Reverse self adjusting, standard	
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.)*		184.3	145.2
Gross lining area (sq. in.)**		198.4	145.2
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: Rim, cast iron; web, steel	
Wheel cylinder bore	Front	1.1875	
	Rear	1.00	
Master cylinder bore		1.00	.875
Available pedal travel		6.48	
Line pressure at 100 lb. pedal load		717	936
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): 7.75 x 14-4PR (4 ply) nylon B/W or W/W; 7.75 x 14-4PR rayon W/W; 8.25 x 14-4PR rayon; 7.75 x 15-4PR rayon; 7.75 x 15-4PR rayon (tube); 7.75 x 15-4PR (4 ply) nylon (tube); 7.75 x 15-4PR (4-ply) nylon (tube, On-Off).
- (a)&(b): 8.25 x 14-4PR (4-ply) nylon; 8.25 x 14-4PR rayon W/W; 8.15 x 15-4PR rayon; 8.15 x 15-4PR (4-ply) nylon; 8.25 x 14-8PR () nylon B/W or W/W; 7.75 x 15-8PR () rayon.

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (62-22-6)
15-16000 Optional Hi-Performance Engines:	250 HP	300 HP	325 HP
MODEL L30, 74, 35 & 78	L30	L74	L35
			425 HP
			L78

BRAKES—SERVICE (cont.)			Standard	Metallic (optional)	
Brake lining	Bonded or riveted		Bonded	Welded	
	Front Shoe	Material	Molded asbestos		
		Size (length x width x thickness)	Front wheel	9.25 x 2.75 x .168	1.64 x 1.37 x .175
			Rear wheel	9.25 x 2.00 x .168	2.00 x 1.00 x .175
		Segments per shoe		1	6
	Rear Shoe	Material	Molded asbestos		
		Size (length x width x thickness)	Front wheel	11.63 x 2.75 x .168	1.64 x 1.37 x .295
			Rear wheel	11.63 x 2.00 x .168	2.00 x 1.00 x .295
Segments per shoe		1	Front 12; rear 10		

BRAKES—PARKING

Type of control	Foot pedal apply, "T" handle release	
Location of control	Left of steering column, under instru. panel	
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 axle upper control arm crossmember, rear shock absorber crossmember, and a rear crossmember. Welded box-construction side rails from front crossmember to aft of rear axle kickup.

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

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Angle of front upper control arm	
Provision for acc. squat control	Geometry of rear suspension	
Special provisions for car jacking	Front wheels - place jack just outboard of bumper guard. Rear wheels - approx. 2" outboard of bumper joint.	
Shock absorber front & rear	Type	Direct, double-acting, hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features	Rear control arm shims for driveline alignment.	

SUSPENSION—FRONT

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

(Continued)

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

Normal operating pressures
spring rates
leveling data

AMA Specifications – Passenger Cars

NAME OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64 REVISED 02-22-65		
Engines: -16000 Optional Hi-Perf. MODEL L30, L74, L35 & L78	250 HP L30	300 HP L74	325 HP L35	425 HP L78

SUSPENSION FRONT (cont.)

Spring	Type	Coil, right hand helix		
	Material	Steel alloy		
	Size (coil design height & I.D.; bar length x dia.)	11.76 and 3.800; 141.1 x .636	11.76 and 3.800; 141.1 x .636	
	Spring rate (lb. per in.)	290	290	390
	Rate at wheel (lb. per in.)	104	104	132
	Design load (lb. @ design height)	1630 @ 11.76	1850 @ 11.76	1740 @ 11.76
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & bar diameter	HR steel: except wagons, .8125; wagons, .9375		

STEERING

Manual (std., opt., NA)		Standard			
Power (std., opt., NA)		Optional			
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: 7 position with 5" vertical travel			
	(std., opt., NA)	Optional			
Wheel diameter	Manual	16.5			
	Power	16.5			
Tire meter	Outside front	Wall to wall (l. & r.)	44.1		
		Curb to curb (l. & r.)	40.8		
	Inside rear	Wall to wall (l. & r.)	24.2		
		Curb to curb (l. & r.)	24.5		
Outside wheel angle with inside wheel at 20°		20.29°			
Manual	Gear	Type	Semi-reversible, recirculating ball nut		
		Make	Saginaw		
		Ratios	Gear	24:1	
			Overall	28.2:1	
	No. wheel turns	5.42 (Lock to lock)			
Power	Type (coaxial, linkage, etc.)	Coaxial			
		Saginaw			
	Gear	Type	Same as manual		
		Ratios	Gear	17.5:1	
			Overall	19.4:1	
	Pump driven by	Crankshaft pulley			
Number wheel turns	3.52 (Lock to lock)				
Linkage	Type		Parallelogram		
	Location (front or rear of wheels, other)		Rear		
	Drag link (trans. or longit.)		None		
	Tie rods (one or two)		Two		

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET	MODEL YEAR 1965	DATE ISSUED 9-28-64	REVISED (a) 2-22-65	
15-16000 Optional Hi-Performance Engines:	250 HP	300 HP	325 HP	425 HP
MODEL L30, L74, L35 & L78	L30	L74	L35	L78

STEERING (cont.)

Steering Axis	Inclination at camber (deg.)		7 to 8
	Bearings (type)	Upper	Ball stud with non-metallic bearing surfaces
		Lower	Ball stud with non-metallic bearing surfaces
	Thrust		None required
Wheel alignment (range and preferred)	Caster (deg.)		N 1/4 to P 3/4 (Curb)
	Camber (deg.)		N 1/4 to P 3/4 (Curb)
	Toe-in (outside tread-inches)		1/8 to 1/4 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			(a)			
Drive and torq. taken through (see page 17)			Control arms			
Spring	Type		Coil right hand helix			
	Material		Steel alloy			
	Size (length x width, coil design height and I.D.; bar length & dia.)		12.37, 4.00 126.0 x .590	12.37, 4.00 126.0 x .590	12.37, 4.00 113.9 x .623	
	Spring rate (lb. per in.)		230	230	315	
	Rate at wheel (lb. per in.)		108.6	108.6	149.6	
	Design load (lb. at design height)		1175 @ 12.37	1175 @ 12.37	1050 @ 12.37	
	Mounting insulation type		---			
	If leaf	No. of leaves		↑		
		inserts	Type and size	NA		
			Material			
Shackle (comp. or tens.)		↓				
Stabilizer	Type (link, linkless, frameless)		None			
	Material		---			
Track bar type			Lateral, frame to rear axle			

(a) Two upper and two lower control arms, and tie rod support integral rear beam consisting of cast iron differential carrier and pressed in axle shaft housings.

AMA Specifications - Passenger Car

NAME OF CAR **CHEVROLET** MODEL YEAR **1965** DATE ISSUED **9-28-64** REVISED **(6)2-22-65**

MODEL	Sedans		Sport	Sport		Station
	2-Dr	4-Dr	Sedans	Coupes	Conv's.	Wagons

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		On pad, front right hand side of cylinder block					
Theft protection - type		Shielded ign. lock terminals, key removable in "Off" position					
Vent window control method (crank, friction pivot)	Front	Crank					
	Rear	None					
Seat cushion type	Front	Formed wire and foam pad					
	Rear	Formed wire and foam pad					
	3rd seat	----				Wire & foam pad	
Seat back type	Front	Formed wire and cotton					
	Rear	Formed wire and cotton					
	3rd seat	----				Wire & foam pad	
Windshield glass type (i.e., single curved - laminated plate)		Single curved, laminated					
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound curve, solid tempered plate (a)					
Side glass type (i.e., curved - tempered plate)		Curved, safety-solid plate					
Side glass exposed surface area		1383.7	1366.2	1411.1	1333.8	1353.2	2572.3
Windshield glass exposed surface area		1448.1		1384.3	1384.3	1384.3	1448.1
Backlight glass exposed surface area		1173.5		1213.6	1381.0	813.0	925.9
Total glass exposed surface area		3987.8	4005.3	4099.1	4099.1	3550.5	4945.3

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

Power windows	Side Windows	Optional				
	Vent Windows	NA				
	Backlight or tailgate	Standard on 9-passenger wagon, optional on 6-passenger				
Power seats (specify type as well as availability)		6 way electric, opt.				
Reclining front seat back		NA				
Front seat headrest		NA				
Radios (specify type as well as availability)		Push button, manual, AM-FM optional				
Rear seat speaker		Optional				
Power Antenna		Optional				
Clock		Std. on 164-16600; optional on 154-15600				
Air Conditioner (specify type availability)		All weather, opt.				

(a) Flat tempered plate on convertible.

AMA Specifications – Passenger Car

MAKE OF CAR CONVERTIBLE

MODEL YEAR 1965 DATE ISSUED 9-28-64 REVISED (a)2-22-64

WEIGHTS

Model		CURB WEIGHT - POUNDS			% PASS. WEIGHT DISTRIBUTION				SHIPPING * WEIGHT	
		Front	Rear	Total	Pass. In Front		Pass. In Rear		Front	Rear
					Front	Rear	Front	Rear		
			327	396					327	396
			V-8	V-8					V-8	V-8
Biscayne	15411		3700	3875	30	70			3545	3720
	15435		4170	4345	30	70			3990	4065
	15469		3765	3940					3605	3780
Bel Air	15611		3710	3885	30	70			3550	3725
	15635		4175	4350	30	70			3995	4170
	15645		4220	4395	22	78			4040	4215
	15669		3775	3950	30	70			3620	3695
Impala	16435		4230	4405	30	70			4050	4225
	16439		3875	4050	37	63			3720	3895
	16445		4275	4450	30	70			4095	4270
	16437		3770	3945	22	78			3615	3790
	16467		3855	4030	37	63			3695	3870
	16469		3840	4015	30	70			3685	3860
Impala Super Sport	16637		3820	3995	37	63			3660	3835
	16667		3890	4065	37	63			3735	3910
Accessories & Equipment Differential Weights			327	396	Remarks					
Air Conditioning			+110	+100						
Brakes, Power			+ 10	+ 10						
Engine, 327 V-8			+ 90							
Engine, 396 V-8			---	+275						
Less Heater			- 22	- 22						
Radio, Manual			+ 7	+ 7						
Radio, Push Button			+ 9	+ 9						
Radio, AM-FM			+ 10	+ 10						
Seat, Power			+ 22	+ 22						
Steering, Power			+ 29	+ 22						
Transmission, 4-Spd			+ 7	+ 8						
Powerglide			+ 23	+ 24						
Windows, Power			+ 19	+ 19						
Comfort & Convenience			+ 11	+ 11						
Transmission, 3-Sp Auto			---	+ 60						
Transmission, 3-Sp HD			+ 29	+ 29						
Caprice Equip.			+ 34	+ 34						
(Model 16439 only)										

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

MAKE OF CAR **CHEVROLET** 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		Sport Sedans	Spt Cps		Conv's.		Station Wagons	
		2-Dr	4-Dr		Bn	Bkt	Bn	Bkt	2-Seat	3-Seat

FRONT COMPARTMENT

Shoulder room	W3	62.3		62.4		62.3			
Max. eff. leg room - accelerator	L34	42.2		42.0		42.2			
Effective head room	H61	39.1	38.1	38.2	38.0	38.8	38.6	39.3	39.1
H Point to Heel point	H30	9.0		9.2		9.4		9.2	
Upper body opening to ground	H50	44.4		41.4		44.1		44.4	

REAR COMPARTMENT

Shoulder room	W4	60.7	61.4	60.9		53.1		61.6	
H Point couple distance	L50	36.2		35.8		33.3		35.2	
Minimum effective leg room	L51	38.9	39.5	38.6	34.9	36.0	34.9	36.0	38.3
Effective head room	H63	37.8		37.3		37.2		37.8	

STATION WAGON-THIRD SEAT

156 - 16445

Shoulder room	W85	48.6	
Effective leg room	L86	33.3	
Effective head room	H86	36.3	

LUGGAGE COMPARTMENT

Usable luggage capacity (See instr.)	V1	17.7		----	
Shower height	H195	24.6		23.8	
Position of spare tire storage		Center of trunk shelf		Trk flr rt side	Rt rr, qtr, und/co
Method of holding lid open		Torsion bars counterbalanced		----	

STATION WAGON-CARGO SPACE

Minimum distance between wheel houses at floor level	W201	49.7	
Rear end opening width at belt	W204	52.4	
Floor length from back of front seat at floor level to inside of closed tail gate	L202	96.0	
Minimum horizontal distance from top rear of front seat back to inside of tail gate at belt	L204	86.0	
Maximum height - floor covering to headlining at centerline of rear axle	H201	30.7	
Maximum height of rear opening - tail and lift gates open	H202	28.8	
Cargo volume index (cu.ft.) $\frac{W4 \times L204 \times H201}{1728}$	V2	94.1	

AMA Specifications – Passenger Car

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