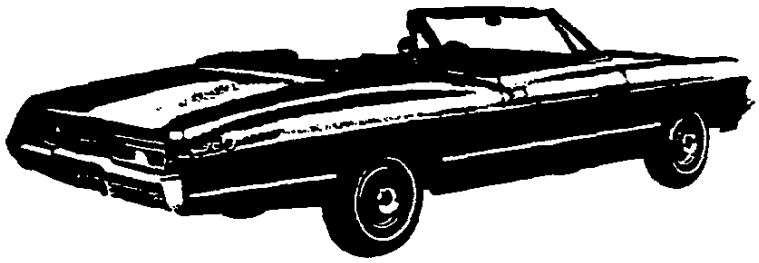
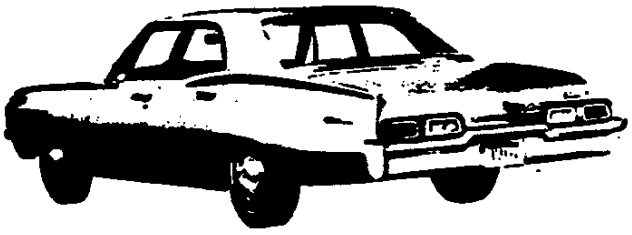
GENERAL



ORIGINAL COPY

MODEL IDENTIFICATION

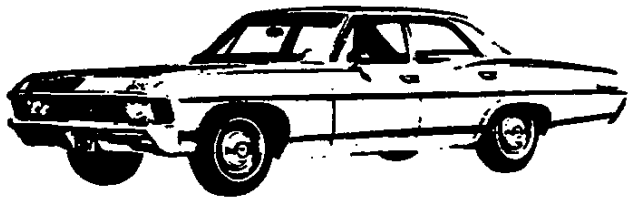


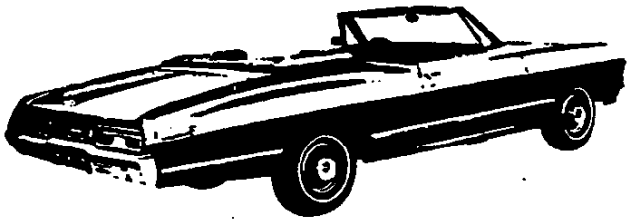
BISCAYNE 153-15400 SERIES

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

BEL AIR 155-15600 SERIES

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



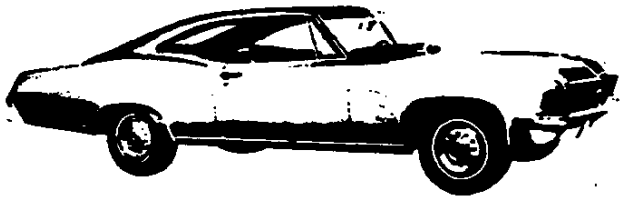


IMPALA 163-16400 SERIES

MODEL 163-16435 4-DOOR STATION WAGON, 2-SEAT
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
MODEL 163-16487 2-DOOR SPORT COUPE, 5-PASSENGER

IMPALA SUPER SPORT 167-16800 SERIES

MODEL 167-16867 2-DOOR CONVERTIBLE, 4-PASSENGER
MODEL 167-16887 2-DOOR SPORT COUPE, 4-PASSENGER



CAPRICE 16600 SERIES

MODEL 16635 4-DOOR STATION WAGON, 2-SEAT
MODEL 16639 4-DOOR SPORT SEDAN, 6-PASSENGER
MODEL 16645 4-DOOR STATION WAGON, 3-SEAT
MODEL 16647 2-DOOR SPORT COUPE, 5-PASSENGER

SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model	Model Year 1967	Assembly Plant (Tarrytown)	Unit Number (25th unit)
15369	7	T	100025

Thus: The 25th model built at Tarrytown would be serial number 153697T100025

8-Cylinder Example:

Model	Model Year 1967	Assembly Plant (Flint)	Unit Number (26th unit)
15469	7	F	100026

Thus: The 26th model built at Flint would be serial number 154697F100026

ASSEMBLY PLANTS

A - Atlanta	R - Arlington
C - Southgate	S - St. Louis
D - Atlanta GMAD	T - Tarrytown
F - Flint	U - Lordstown
J - Janesville	Y - Wilmington
L - Los Angeles	

Starting unit number ---------- 100001 and up at each assembly plant regardless of series

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

● TRANSMISSION IDENTIFICATION

Example: S7E01

Plant and Type Designation	Production Month & Date ⊙
S	501D*

Prefix	Plant	
O	Saginaw	3-speed overdrive
S	Saginaw	3-speed
R	Saginaw	4-speed
P	Muncie	4-speed
C	Cleveland	Powerglide
T	Toledo	Powerglide
CC	Ypsilanti	Turbo Hydra-Matic

Location:

3-Speed & 4-speed ---------- Stamped on right hand side of the case in the upper forward corner.

4-Speed ---------- Stamped on the top right side of the case.

Powerglide ---------- Stamped on right hand side of pan.

⊙ - Month: 5 denotes May; 01 denotes 1st day.

* - The letter "D" or "N" following the date numerals, indicates day or night shift.

ENGINE IDENTIFICATION

Example: F 1210 FA

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

250 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.
● KL - Optional, Turbo Hydra-Matic, 4-bbl. carb.

396 Cubic Inch 8-Cylinder (RPO L35)

IA - Optional, 3 or 4-speed trans., 4-bbl. carb.
IG - Optional, Powerglide
IV - Optional, Hydra-Matic

427 Cubic Inch 8-Cylinder (RPO L36)

ID - Optional 3 or 4-speed, 4-bbl. carb.
IJ - Optional, Hydra-Matic

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

REAR AXLE IDENTIFICATION

Example: DA 0212 B

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

DA ----- 3.08 ---- 3-speed and Powerglide transmission
DB ----- 3.96 ---------- 4-speed transmission
● EP ----- 2.73 ---------- Turbo Hydra-Matic
EX ----- 3.70 ---------- Overdrive transmission
GX (Wagons)--3.55---3-speed and Powerglide transmission

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

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

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

3.36

REGULAR EQUIPMENT—EXTERIOR

Bright Metal Trim & Moldings	Stainless Steel	C/V belt reveal	16000
		Back window reveal	Sedans, coupes, exc. conv.
		Body belt - rear	163-164-167-16867
		Door frame wide scalp molding	163-16435,45,69; 16635,45
		Roof drip gutter molding	155-15600, 163-16439-87, 16639-47, 167-16887
		Roof reveal molding	163-16487,89; 16639-47; 16887
		Rear quarter window reveal (patterned on 153-15435)	153-15435; 163-16435,45; 16635,45
		Tailgate window reveal - top and sides	153-15435-155-156-165-16435,45; 16635,45
		Tailgate window reveal - lower	163-16435,45; 16635,45
		Hub caps	All
		Windshield reveal - lower, sides, upper	All
		Wheel trim covers	16600; 167-16800
		Windshield pillars and header	163-164-167-16867
	Anodized Aluminum	Body side molding - full	155-15600
		Body sill molding (black paint fill)	167-16800
		Body side lower molding	163-16400, 16639-47
		Body rear molding (black paint fill)	16639-47
		Deck lid molding (black paint fill on 167-16800)	163-16439-67-69-87; 167-16800
		Headlamp bezels	All
		Radiator grille and opening moldings	All
		Radiator grille-black & bright horiz. bars	167-16800
		Rear quarter lower (at bumper)	163-16400; 16639-47
		Wheel opening moldings	166-167-16800
	Chrome Plated Metal	Deck lid or tailgate emblem	All exc. 16635-45
		Front door vent glass channel and post	All
		Roof rail panel nameplate, "Caprice"	16639-47
		Tail lamp bezels	All
		Front door vent glass frame molding	All
		Front fender nameplate "Caprice"	16635-45
		Front fender emblem and nameplate	167-16800
		Front fender engine emblem-V8 only	All
		Outside L.H. rear view mirror	All
		Radiator grille nameplate-"Chevrolet"	All exc. 167-16800
		Radiator grille nameplate-"Impala SS"	167-16800
		Rear door or quarter glass channel-front	163-16487,89,67; 16639,47; 167-16800
		Rear quarter emblem and nameplate	153-154-155-15600, 163-16400
		Rear deck or tailgate nameplate - "Chevrolet"	All exc. 166-167-16800
		Rear deck or tailgate nameplate - "Caprice by Chevrolet"	16600
		Rear deck nameplate - "Impala SS"	167-16800
Body side paint stripes - dual			16639-47
Body side and rear wood-grain panels			16635-45
Control - electric rear window			All 3-seat station wagons
Control - manual rear window			All 2-seat station wagons
Filler - left rear quarter gasoline			Station wagons
Filler - rear bumper center concealed gasoline			All exc. wagons
Front fender wraparounds			All exc. 16600
Lamps - front fender			16600
Lamp - rear license			All
Tail lamps - triple - back-up lamps in bumper			16600
Tail lamps - dual with back-up lamps			All exc. 153-15411-69, 16600
Tail lamps - single with back-up lamps			153-15411-69; 16600
Wipers, windshield - 2-speed electric, with washers, satin-chrome hardware			All

Bright Metal Trim & Moldings	Back window reveal		168-16439,87; 16639,47; 167-16887
	Console - floor center		167-16800
	Front bucket seat cushion and backrest		167-16800
	Front seat end trim panels		16639-47
	Pedal pads, bright trim		16000
	Rear view mirror, day-night padded frame		All
	Rear seat speaker grille and ornament		168-164-167-16887,87; 16647
	Window control handles - color-keyed knobs		All
	Two-position free-wheeling front door handles		All
	Door control handles - standard type		15000
	Door control handles - paddle type		16000
	Windshield top and side moldings - bright		168-16487,99; 16639,47; 167-16887
	Roof side rail		168-16487,99; 16639,47; 167-16887
Instrument Panel	Ash tray face plate (b)		All
	Cigarette lighter and ash tray		All
	Control knobs - chrome		All
	Convertible top switch		168-164-167-16867
	Electric clock		16000
	Glove box area series nameplate		155-156, 168-164, 166-167-16800
	Glove box lock		All
	Ignition lock and starter switch - "d position"		All
	Upper trim panel - bright (pain: filled) (a)		168-164-166-167-16800
	Lower trim - and radio-heater control		16600
	Lower trim plate - brushed aluminum		168-164-167-16800
	Rear window control switch (black plastic)		155-156-168-164-16645
	Instrument panel pad		All
	Vent control knobs - chrome		All
Interior Lights	Console courtesy		167-16800
	Glove box		All exc. 158-15400
	Instrument panel courtesy - dual		16467, 16867, 16600
	Luggage compartment		16000 sedans, coupes
	Roof center dome		15000; 168-16435,45,69-16635,45
	Roof side dome - dual		168-16439-87, 167-16887, 16639-47
	Third seat		155-15645-168-16445-16645
Steering Wheels	Deep hub -	3-spoke with horn button	15000
		3-spoke oval with horn button & tube	16000
Armrests - front door			All
Armrests and ash tray - rear door			All exc 158-154-155-15611, 16467-87, 16867-887, 16647
Armrests and ash tray - rear quarter			158-154-155-15611. 168-164, 167-16867,87; 16647
Brake system failure and parking brake indicator			All
Coat hooks (2) - soft plastic, colored			All exc. convertible
Four-way hazard flasher			All
Freeway lane change signal			All
Front seat center armrest			16639
Front seat folding back lock			158-154-155-15611; 168-164-167-16867,87; 16647
Heater deluxe			All
Locking knobs - front and rear doors			All
Mat - luggage or stowage compartment			158-154-155-15635, 16645; 16000
Seat belts - front & rear, push-button with retractors on front (third seat also for 8-seat wagons)			All
Seats - front bucket			167-16800
Sunshades - dual, padded			All
Switches - front door jamb (rear also for 16600 exc. 16647)			155-15600; 16000
Switch - manual interior light (integral in headlamp switch)			All
Shift and signal levers - knobs (color-keyed)			All

(a) Wood-grain on 16400

(b) Brushed aluminum, wood-grain on 16600

REGULAR PRODUCTION OPTIONS AND DEALER INSTALLED ACCESSORIES

Equipment	RPO	/ACC	Models
Air cleaner, heavy duty	K45		153-155-163-16700
Air conditioning, Comfortron automatic temperature control	C75		15-16000
Air conditioning, Comfort-Car		ACC	15-16000
Air conditioning, Four-Season	C60		15-16000
Air deflector, rear window	C51	ACC	15-16000 wgn
Air injection reactor equipment	K19		15-16000
Appearance, Guard Group (items available as a group or as separate options)			
Custom deluxe front & rear seat belts (with front retractors)			15-16000
Door edge guards			15-16000 exc 16635-45
Front bumper guards			15-16000
Rear bumper guards			15-16000 exc wgn
Rubber twin front and rear floor mats			15-16000
Auxiliary Lighting Group (items available as a group or as separate options)			
Ash tray lamp			15-16000
Front fender lamps			15-16000 exc 16600
Glove box lamp			153-15400
Instrument panel courtesy lamps			150-163-16400 exc 67-87
Luggage compartment lamp			15000 exc wgn
Underhood lamp			15-16000
Battery, heavy duty	T60		15-16000
Body equipment, heavy duty	B01		153-15400
Brake linings, sintered-metallic	J65		15-16000
Brakes, front disc	J52		15-16000
Brakes, power	J50	ACC	15-16000
Carpet, load floor	B39		163-164-16635-45
Carrier cover, roof luggage		ACC	15-16000 wgn
Carrier, deck lid luggage		ACC	15-16000 exc wgn
Carrier, deluxe adjustable roof luggage	V54	ACC	15-16000 wgn
Carrier, roof luggage	V55	ACC	15-16000 wgn
Carrier, ski equipment (deck lid)		ACC	15-16000
Carrier, ski equipment (roof luggage carrier)		ACC	15-16000 wgn
Carrier, ski equipment (roof clamp-on type)		ACC	15-16000 exc conv
Chassis equipment, heavy duty	Z04		153-15400
Clock, electric	U35	ACC	15000
Clutch, heavy duty	M01		15-16000
Compass, auto		ACC	15-16000
Cruise control	K30	ACC	154-156-164-166-16800
Decor Group (items available as a group or as separate options)			
Deluxe steering wheel			15000
Door and window frame molding			15000
Rear wheel opening skirts			15-16000 exc wgn
Roof drip molding			153-15400, 163-16435-45-69, 16635-45
Wheel trim covers			150-163-16400
Deflectors, rain		ACC	15-16000
Defroster, rear window	C50	ACC	15-16000 exc conv & wgn

Equipment	RPO	/ACC	Models
Emergency road kit		ACC	15-16000
Engines			
275 hp Turbo-Fire 327 Cu.In. V-8	L30		154-156-164-166-16800
325 hp Turbo-Jet 396 Cu.In. V-8	L35		154-156-164-166-16800
385 hp Turbo-Jet 427 Cu.In. V-8	L36		154-156-164-166-16800
Engine ventilation, closed positive	K24		15-16000
Exhaust system, dual	N10		154-156-164-166-16800
Fan, temperature controlled	K02	ACC	15-16000
Fire extinguisher		ACC	15-16000
Floor mat, cargo compartment		ACC	15-16000 wgn
Floor mats, clear vinyl twin front and rear		ACC	15-16000
Floor mats, heavy duty front	B34		15000
Floor mats, heavy duty rear	B35		15000
Floor mats, rubber full width front		ACC	15-16000 exc 167-16800
Floor mats, rubber twin front and rear	B37	ACC	15-16000
Foundation Group (Items available as a group or as separate options)			
Deluxe foam front seat cushion			15000
Electric clock			15000
Push-button AM radio with front antenna			15-16000
Gauges, instrument panel	U14		154-156-164-166-16800
Generator, Delcotron (12-42 amp)	K79		15-16000
Generator, Delcotron (61 amp)	K76		15-16000
Generator, Delcotron (62 amp)	K81		15-16000
Glass, tinted window	A01		15-16000
Glass, tinted windshield	A02		15-16000
Guard, gas tank filler door		ACC	15-16000 wgn
Guards, door edge	B93	ACC	15-16000 exc 16635-45
Guards, front bumper	V31	ACC	15-16000
Guards, rear bumper	V32	ACC	15-16000 exc wgn
Headrest, conventional type front seat	A82		150-163-164-16600
Headrest, Strato-ease special contour front seat	A81		16639-47, 167-16800
Heater-defroster deletion	C48		15-16000
Horn, low "D" note	U03	ACC	15-16000
Ignition switch light, fiber optic	U23	ACC	153-15400
Lamp, ash tray	U28	ACC	15-16000
Lamp, glove box	U27	ACC	153-15400
Lamp, luggage compartment	U25	ACC	15000 exc wgn
Lamps, front fender	T78		15-16000 exc 16600
Lamps, instrument panel courtesy	U29	ACC	150-163-16400 exc 67
Lamp, underhood	U26	ACC	15-16000
Liner container, instrument panel mounted		ACC	15-16000
Liner container, saddle type		ACC	15-16000 exc floor shift trans
Lock, gas filler cap		ACC	15-16000
Lock, spare wheel		ACC	15-16000
Locks, rear door safety		ACC	15-16000 4-door
Lock, stowage compartment	A96	ACC	15-16000 2-seat wgn

Equipment	RPO	/ACC	Models
Mirror, outside rear view; right hand		ACC	15-16000
Mirror, remote control outside rear view	D33		15-16000
Mirror, visor vanity		ACC	15-16000
Molding, door and window frame	B90		15000
Molding, roof drip	B80		153-15400, 163-16435-45-69, 16635-45
Operating Convenience Group (items available as a group or as separate options)			
Rear window defroster			15-16000 exc conv & wgn
Remote control outside rear view mirror			15-16000
Pedal covers, chrome trim		ACC	15-16000 exc 16600
Paint stripe, wide sides	D96		167-16800
Radiator, heavy duty	V01		15-16000
Radio and front antenna, manual AM		ACC	15-16000
Radio and front antenna, push-button AM	U63	ACC	15-16000
Radio and front antenna, push-button AM-FM	U69	ACC	15-16000
Radio antenna, front fixed height		ACC	15-16000
Radio antenna, front manual		ACC	15-16000
Radio antenna, rear manual	U73	ACC	15-16000 exc wgn
Radio antenna, rear power	U75		15-16000 exc wgn
Radio speaker, rear seat	U80	ACC	15-16000
Radio stereo	U79	ACC	15-16000
Rear Axle			
2.73 ratio	G97		154-156-164-166-16800
3.07 ratio	H01		154-156-164-166-16800
3.08 ratio	G92		154-156-16000 exc L6 wgn
3.31 ratio	G94		15369, 154-156-164-166-16800
3.36 ratio	G76		15-16000
3.55 ratio	G96		15-16000 exc L6 wgn
3.70 ratio	G75		15-16000
3.73 ratio	H05		154-156-164-166-16800
Positraction	G80		15-16000
Roof cover, vinyl	C08		163-16439-87, 16639-47, 167-16887
Seat belt, rear center - used with custom deluxe seat belts	AL5		15-16000 exc conv & sport coupe
Seat belt, rear center - used with standard seat belts	A68		15-16000 exc conv & sport coupe
Seat belts, custom deluxe front and rear (with front retractors)	A39		15-16000
Seat cushion, deluxe foam front	B55		15000
Seat, front Strato-back bench	A53		16639-47, 167-16800
Seat, heavy duty front, low profile type	A75		15000
Seat, heavy duty rear	A76		15000 exc wgn
Seat pad, ventilated		ACC	15-16000
Seat, power 4-way bucket	A46		16647-700-800
Seat, power 6-way bench	A42		155-156-16000
Seat, split second	A66		15-16000 wgn
Seats, front Strato-bucket	A51		16647

Equipment	RPO	/ACC	Models
Shock absorbers, automatic level control	G67		15-16000
Shock absorbers, Superlift air adjustable	G66		15-16000
Shoulder harness, front seat - used with custom deluxe seat belts	A85		15-16000
Shoulder harness, front seat - used with standard seat belts	A81		15-16000
Speed warning indicator	U15		15-16000
Spotlamp, hand portable		ACC	15-16000
Spotlamp, remote control		ACC	15-16000
Station Wagon Convenience Group (Items available as a group or as separate options)			
Power tailgate window			15-16000 2-seat wgn
Rear window air deflector			15-16000 wgn
Roof luggage carrier			15-16000 wgn
Stowage compartment lock			15-16000 2-seat wgn
Steering, power	N40		15-16000
Steering wheel, deluxe	N30		15000
Steering wheel, tilt	N33		15-16000
Steering wheel, wood-grained plastic	N34		15-16000
Stereo tape player	U57	ACC	15-16000
Super Sport 427 Package	Z24		16800
Suspension, heavy duty front and rear	F40		15-16000 exc wgn
Suspension, special performance front and rear	F41		154-156-164-166-16800
Tachometer		ACC	154-156-164-166-16800
Taxicab equipment	B02		153-15469
Tires			
8.15-15-4pr blackwall rayon	Q04		150-163-16400 exc wgn
8.15-15-4pr blackwall nylon	Q05		150-163-16400 exc wgn
8.15-15-4pr whitewall rayon	R51		15-16000 exc wgn
8.15-15-4pr special nylon - white stripe	QA8		15-16000 exc wgn
8.25-14-4pr special nylon - white stripe	PQ8		15-16000 exc wgn
8.25-14-4pr blackwall nylon	P76		15-16000 exc wgn
8.25-14-4pr whitewall rayon	P77		15-16000 exc wgn
8.25-14-4pr whitewall nylon	P79		15-16000 exc wgn
8.25-14-4pr blackwall - special nylon	T08		15-16000 exc wgn
8.25-14-4pr whitewall - special nylon	T09		15-16000 exc wgn
8.25-14-8pr blackwall - special nylon	T18		15-16000
8.25-14-8pr whitewall - special nylon	T19		15-16000
8.45-15-8pr whitewall rayon	QC2		15-16000 wgn
8.55-14-4pr whitewall rayon	P85		15-16000 wgn
8.55-14-4pr blackwall nylon	P86		15-16000 wgn
8.55-14-4pr whitewall nylon	P87		15-16000 wgn
8.55-14-8pr whitewall - special nylon	T21		15-16000 wgn
8.55-14-8pr blackwall - special nylon	T20		15-16000 wgn

Equipment	RPO	/ACC	Models
Tissue dispenser, instrument panel mounted		ACC	15-16000
Top, folding convertible	C05		163-164-167-16867
Trailer hitch		ACC	15-16000
Trailer wiring harness		ACC	15-16000
Transmissions			
Transmission overdrive (2.85:1 low ratio)	M10		15-16000
3-speed transmission, heavy duty (2.41:1 low ratio)	M13		154-156-164-166-16800
4-speed transmission (3.11:1, 2.54:1 or 2.52:1 low ratio)	M20		154-156-164-166-16800
Powerglide transmission (1.82:1 low ratio for L-6 & 283 V-8; 1.76:1 for 327 & 396 V-8)	M35		15-16000
3-speed automatic transmission - Turbo Hydra-Matic (2.48:1 low ratio)	M40		154-156-164-166-16800
Wheel trim covers	P01	ACC	150-163-16400
Wheel trim covers, mag-style	N96	ACC	15-16000
Wheel trim covers, simulated wire	P02	ACC	15-16000
Wheel opening skirts, rear	T58		15-16000 exc wgn
Wheels, 14 x 6JK	P12		150-163-164-167-16800 exc wgn
Wheels, 15 x 6J	P42		150-163-164-167-16800 exc wgn
Windows, power	A31		155-15635-45-69, 16000
Window, power tailgate	A33		15-16000 2-seat wgn

TAXI-CAB-RPO BO2

Model Application: Biscayne 4-Door Sedan
153-15469

BODY EQUIPMENT

INTERIOR TRIM
Standard ---------- Pattern cloth; medium fawn, blue
Optional ---------- All vinyl; medium fawn (RPO 865)

FLOORS, FRONT AND REAR
Covering ---------- Mastic deadener pad
Mats ---------- Heavy duty; black rubber; regular production reinforcing patch under accelerator location

SEAT CUSHIONS AND BACKRESTS, FRONT AND REAR
Heavy duty reinforced spring construction (9 gage wire front seat cushion main springs, 9-1/2 gage wire rear seat cushion main springs); firm jute padding needled to burlap on front seat cushion

DOME LIGHT SWITCHES ---------- Automatic; all doors

OPEN DOOR WARNING LIGHT ---------- Instrument panel mounted

WINDLACE ---------- Extra tacking strip over doors; long tacks in place of staples

CHASSIS EQUIPMENT

FRAME ---------- Special reinforced frame; extra heavy front upper control arm brackets; steering gear attachment and spring seats; extensive use of heavy gauge steel; additional rear upper control arm (4 link suspension)

SUSPENSION
Coil springs, front and rear ---------- Heavy duty
Shock absorbers, front and rear ---------- Heavy duty; special automatic valving
Stabilizer bar, front ---------- 6-cylinder models; standard with V-8 models
Spherical joints, front ---------- Metal-lined, with lubrication fittings
Upper control arm, rear suspension ---------- Additional on 6-cylinder model; standard on V-8

STEERING LINKAGE
Relay rod ---------- Special joint seals

BRAKES, FRONT AND REAR ---------- Extra capacity; special heat resistant brake shoe retracting springs; extra-thick front brake drum webs; heavy duty organic brake linings & special lining material on all primary shoes

WHEELS AND TIRES
Wheel size ---------- 15 x 5K
Tire size and type ---------- 8.15-15-4PR blackwall tubeless rayon cord

REAR AXLE
Type ---------- High torque capacity; roller-type rear wheel bearings; 8-7/8" ring gear
Ratios ---------- Heavy duty 3.07 rear axle with standard 6-cylinder and V-8 engines and 3-speed or Powerglide transmission

POWER TRAIN EQUIPMENT

SPECIAL 6-CYLINDER ENGINE FEATURES
(155 Horsepower 250 Cubic Inch L-6)

VALVE PUSH RODS ---------- Heavy duty; hardened tip

HYDRAULIC VALVE LIFTERS ---------- Truck type

CARBURETOR ---------- Special; taxi-engineered fuel metering

PISTON RINGS ---------- Special chrome top compression ring with heavy duty molybdenum ring, oil ring spacer, chromed oil ring rails with staggered gaps, inside beveled taper-faced lower compression rings

FLYWHEEL ---------- Large 14" diameter flywheel ring gear (3-speed manual transmission only)

STARTING MOTOR ---------- Heavy duty; protective plastic sealant around mounting area

WATER PUMP ---------- High capacity; special ceramic rotor seat

CLUTCH ---------- High capacity 11" diameter diaphragm-spring clutch

CRANKCASE VENTILATOR VALVE ---- Take-apart type

BATTERY ---------- 61 ampere, 12 volt

RADIATOR - POWERGLIDE ---------- High cooling capacity; fan shroud; crimped tube transmission oil cooler

TRANSMISSION - POWERGLIDE
(250 Cubic Inch L-6 Engine) ---------- 5-plate heavy duty clutch; 11-3,4" heavy duty converter assembly with two drain plugs; liquid cooling and other special components

HEAVY DUTY CHASSIS AND BODY EQUIPMENT

Model Application: Biscayne 2-Door Sedan 153-15411
Biscayne 4-Door Sedan 153-15469
Biscayne 2-Seat Station Wagon 153-15435

BODY EQUIPMENT (RPO B01)

INTERIOR TRIM
- Standard (sedan) ---------- Pattern cloth, medium fawn, blue; all-vinyl, black
- Optional (sedan) ---------- All-vinyl; medium fawn (RPO 865)
- Standard (station wagon) ---------- All-vinyl; medium fawn, blue, black

FLOORS, FRONT AND REAR
- Covering ---------- Mastic deadener pad
- Mats ---------- Heavy duty; black rubber; regular production reinforcing patch under accelerator location

SEAT CUSHIONS AND BACKRESTS

Front (sedan and station wagon) and rear (sedan only) Heavy duty reinforced spring construction (9 gauge wire front seat cushion main springs, 9-1/2 gauge wire rear seat cushion main springs); firm jute padding needled to burlap on front seat cushion

CHASSIS EQUIPMENT (RPO Z04)

FRONT SUSPENSION
- Ball studs - upper and lower ---------- Metal-to-metal bearing surfaces; umbrella-type seals
- Knuckle and hub ---------- Thick brake drum web; thick brake lining; heavy duty primary lining material; high temperature retracting springs
- Lower control arm ---------- Stabilizer attachment (L-6 sedan)
- Springs ---------- High rate
- Shock absorbers (sedan) ---------- Stiff valving
- Stabilizer ---------- L-6 sedan; standard with V-8 or station wagon models

REAR SUSPENSION
- Upper control arms (sedan) ---------- Two control arms with high durometer bushing
- Springs ---------- High rate
- Shock absorbers ---------- Stiff valving
- Tie rod (sedan) ---------- Tie rod with high durometer bushing at axle end

REAR AXLE
- Differential carrier ---------- 8-7/8" ring gear
- Brakes ---------- Heavy duty primary lining material; thick brake linings; thick brake drum webs

POWER TRAIN EQUIPMENT (RPO Z04)

ENGINE - 8-CYLINDER
- Clutch ---------- Large diameter driven plate

BATTERY ---------- Heavy duty; 61 ampere, 12 volt

RADIATOR (L-6 models) ---------- Heavy duty

AIR CONDITIONING EQUIPMENT

COMFORTRON AUTOMATIC TEMPERATURE CONTROL (RPO L75)

Fully integrated air cooling and heater system; automatically controlled by pre-setting on instrument control panel.

FOUR SEASON (RPO C60)

Heater integrated; manually controlled by knobs on instrument control panel, that operate bowden cables to activate various doors and switches to operate system.

BASIC COMPONENTS

Evaporator, blower, condenser, receiver-dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems. The Comfortron also includes sensors, amplifier, transducer and power servo unit for automatic operation.

EQUIPMENT (Used in addition to or in place of base equipment)

CHASSIS

Front and Rear Springs ---------- Heavy duty
Rear Axle Ratio - Refer to Power Trains Section.

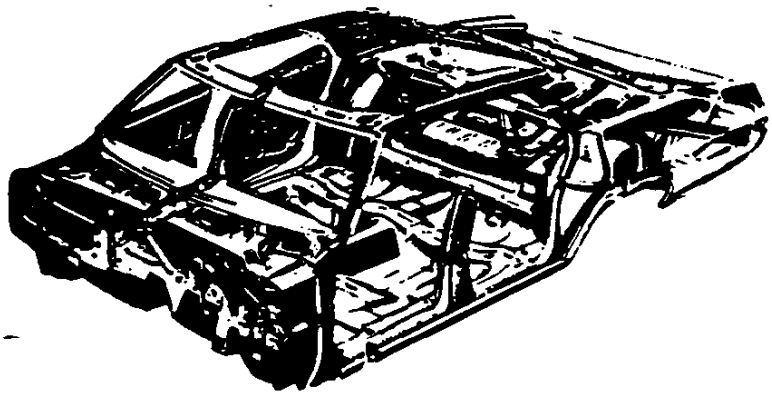
POWER TRAINS

Fan Blade ---------- 5 blade
Fan Clutch ---------- Thermomodulated fluid coupling*
Crankshaft Pulley ---------- Dual
Water Pump & Fan Pulley ---------- Dual
Compressor & Crankshaft Belt ---------- One*
Generator ---------- 61 Ampere
Radiator ---------- Heavy duty
Radiator Shroud, Fan Opening ---------- Steel; 19.34 dia.*

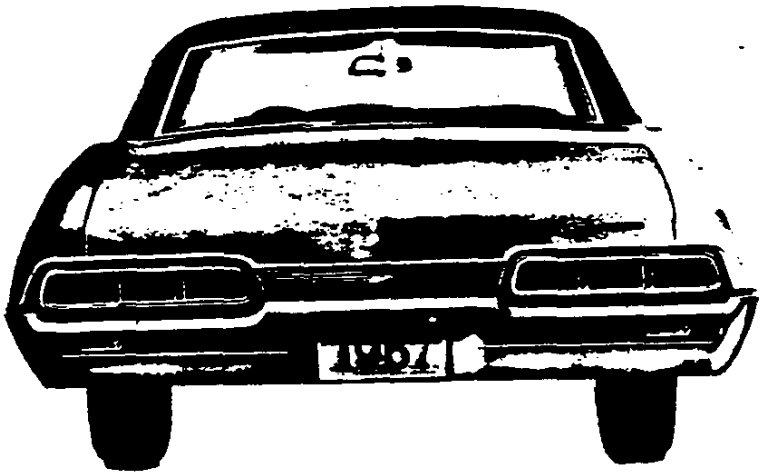
* Additional equipment; also brackets, supports, braces, hoses, etc. as required for installation.

Heavy duty cooling equipment must be used on V-8 powered vehicles. It is recommended that this equipment also be used on all other vehicles for securing maximum air conditioning performance.

BODY



EXTERIOR PAINT PROCESS



1. RUSTPROOFING. Assembled car bodies are chemically sprayed to clean and etch the metal surfaces for corrosion resistance and paint adhesion. Unassembled sheet metal parts follow the same process.

2. BODY AND SHEET METAL PRIMERS. Four corrosion resistant primers, specially formulated, are hand sprayed on the body in areas where rust might develop. Lower areas considered especially vulnerable are coated with another rust inhibiting compound.

3. PRIMER COAT is applied to all outside and inside surfaces of front fenders and hoods. The parts are mechanically dipped or flow-coated to insure coating in all seams and secluded areas, and baked at 390 degrees F. for 30 minutes. A coat of sealer is then applied by hand spray to all surfaces requiring another coat of lacquer.

4. FLASH PRIMER AND PRIMER-SURFACER COATS. An air-dry flash primer coat is hand sprayed on surfaces below the body belt line. Then a gray primer-surfacer coat is hand sprayed on all outside surfaces of the body and oven baked for 45 minutes at 285 degrees F.

5. INITIAL SANDING. Power wet sanding, followed by hand sanding, is done on all body surfaces requiring lacquering. This insures a smooth surface for the lacquer finish. To remove the water, the body is wiped and run through an infra-red oven.

6. LACQUERING. Three coats of acrylic lacquer are spread on the exterior surfaces of the body and sheet metal parts to build up a finish of the required thickness for each color.

7. INITIAL BAKING. To harden the paint for final sanding, the body and sheet metal parts are baked for approximately 10 minutes at 200 degrees F.

8. FINAL SANDING. To remove body surface defects, power and hand sanding is done with fine grit sandpaper and mineral spirits as a wetting agent. Sanded areas are wiped to insure a clean surface before final baking.

9. FINAL BAKING. To assure a durable, hard, high luster finish the lacquer is baked for 30 minutes at 275 degrees F. Rebaking the lacquer after final sanding permits paint film to soften, allowing surface blemishes and sanding scratches to disappear during the thermo-reflow process.

10. UNDERCOATING. To block out road noise, an asbestos fiber sound deadener with asphalt base is sprayed inside the wheel housings and on the bottom of the underbody at designated areas.

●11. PAINT REPAIR AND PROTECTION. Mars, nicks, or scratches that occur during final assembly are corrected at the factory before shipment. When required, light "flush" polishing brings painted surfaces to a high luster finish. Wax is applied to all horizontal surfaces of each vehicle and polished out for protection during shipment. The wax contains no silicones, thus eliminating any paint contamination problem.

BISCAYNE 153-15400 SERIES

		INTERIOR TRIM COLORS AND RPO NUMBERS		
		Med. Fawn	Blue	Black
		Models 15411-69		
		801	840	812(a)
EXTERIOR		Model 15435		
RPO	COLOR	802(a)	832(a)	812(a)
AA	Black	X	X	X
CC	White	X	X	X
DD	Medium Blue		X	X
EE	Dark Blue		X	X
FF	Bright Blue		X	X
GG	Gold	X		X
HH	Medium Green	X		X
KK	Medium Turquoise	X		X
LL	Dark Turquoise	X		X
MM	Plum			X
NN	Maroon	X		X
RR	Red			X
SS	Fawn	X		X
TT	Cream	X		X
YY	Yellow	X		X
	Two-Tone (Lower/Upper)			
CD	White/Medium Blue		X	
DC	Medium Blue/White		X	
DE	Medium Blue/Dark Blue		X	
ED	Dark Blue/Medium Blue		X	
GT	Gold/Cream	X		X
LC	Dark Turquoise/White			
ST	Fawn/Cream	X		X

(a) All-vinyl

BEL AIR 155-15600 SERIES

EXTERIOR		INTERIOR TRIM COLORS AND RPO NUMBERS			
		Med. Fawn	Black	Blue	Turquoise
		Models 15611-69			
		803	819	839	850
		Models 15635-45			
RPO	COLOR	804	820	833	854
AA	Black	X	X	X	X
CC	White	X	X	X	X
DD	Medium Blue		X	X	
EE	Dark Blue		X	X	
FF	Bright Blue		X	X	
GG	Gold	X	X		
HH	Medium Green	X	X		
KK	Medium Turquoise	X	X		X
LL	Dark Turquoise	X	X		X
MM	Plum		X		
NN	Maroon	X	X		
RR	Red		X		
SS	Fawn	X	X		
TT	Cream	X	X		
YY	Yellow	X	X		X
	Two-Tone (Lower/Upper)				
CD	White/Medium Blue			X	
DC	Medium Blue/White			X	
DE	Medium Blue/Dark Blue			X	
ED	Dark Blue/Medium Blue			X	
GT	Gold/Cream	X	X		
LC	Dark Turquoise/White				X(a)
ST	Fawn/Cream	X	X		

(a) Not available on 15635-45.

IMPALA 163-16400 SERIES
IMPALA SUPER SPORT 167-16800 SERIES
CAPRICE CUSTOM WAGONS 16600 SERIES

		INTERIOR TRIM COLORS AND RPO NUMBERS							
		Black	Blue	Turq.	Gold	Maroon	Red	Parch Black	Bright Blue
		Models 16439-69-87 (Cloth)							
		811	842	853	888	874	—	—	—
		Models 16439-67-87-35-45; 16635-45 (Vinyl)							
		814	836(a)	847(b)	889(b)	—	871(c)	894(d)	845(d)
		Models 16867-87 (Strato-bucket, Vinyl)							
		813	—	—	890	—	873	895	844
EXTERIOR		Models 16867-87 (Strato-back, Vinyl)							
RPO	COLOR	810	—	—	885	—	870	898	848
AA	Black	X	X	X	X	X	X	X	X
CC	White	X	X	X	X	X	X	X	X
DD	Medium Blue	X	X					X	X
EE	Dark Blue	X	X					X	X
FF	Brt. Blue (exc. 16635-45)	X	X					X	X
GG	Gold	X			X			X	
HH	Medium Green	X						X	
KK	Medium Turquoise	X		X				X	
LL	Dark Turquoise	X		X				X	
MM	Plum	X						X	
NN	Maroon	X			X	X	X	X	
RR	Red	X					X	X	
SS	Fawn	X			X			X	
TT	Cream	X			X			X	
YY	Yellow	X		X				X	
	Two-Tone (Lower/Upper)								
CD	White/Med. Blue		X						
DC	Med. Blue/White		X						
DE	Med. Blue/Dark Blue		X						
ED	Dark Blue/Med. Blue		X						
GT	Gold/Cream	X			X				
LC	Dark Turq./White			X					
ST	Fawn/Cream	X			X				

Convertible top: White (Regular Production), Black or Med. Blue (RPO C05).
Vinyl top optional (RPO C08): Black, Lt. Fawn.

(a) All except 16487.
(b) All except 16439,87.
(c) All except 16439.
(d) 16467,87 only.

CAPRICE 16600 SPORT COUPE AND SPORT SEDAN

		INTERIOR TRIM COLORS AND RPO NUMBERS			
		Black	Blue	Plum	Gold
		Models 16639-47 (Standard bench)			
		817	843	860	887
		Model 16647 (Strato-bucket)			
		815	837	---	891
		Models 16639-47 (Strato-bench, cloth)			
		818	834	862	886
EXTERIOR		Model 16639 (Strato-bench, vinyl)			
RPO	COLOR	821	835	---	884
AA	Black	X	X	X	X
CC	White	X	X	X	X
DD	Medium Blue	X	X		
EE	Dark Blue	X	X		
FF	Bright Blue	X	X		
GG	Gold	X			X
HH	Medium Green	X			
KK	Medium Turquoise	X			
LL	Dark Turquoise	X			
MM	Plum	X		X	
NN	Maroon	X			X
RR	Red	X			
SS	Fawn	X			X
TT	Cream	X			X
YY	Yellow	X			
Two-Tone (Lower/Upper)					
CD	White/Medium Blue	Not Available For These Models			
DC	Medium Blue/White				
DE	Medium Blue/Dark Blue				
ED	Dark Blue/Medium Blue				
GT	Gold/Cream				
LC	Dark Turquoise/White				
ST	Fawn/Cream				

BODY CONSTRUCTION AND GLASS AREA

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 and 2-position free-wheeling inside door handles 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, top of grille, off center, with finger press release

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

1.25 poly pad ---------- 153-154-155-15600

1.50 foam rubber ---------- 167-16800

1.75 poly pad ---------- 163-164-16600

Rear seat cushion

Jute and cotton -------- 153-154-155-15600

1.75 poly pad ---------- 163-16400; 16635,39,45,47; 167-16800

3rd seat cushion

0.75 poly pad ------- 155-156-163-164-16645

WINDSHIELD WIPERS AND WASHERS

Type ---------- Dual 2-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.

BODY GLASS (SQ. IN.)

LOCATION	TYPE	MODELS							
		69	39	11	87	47	67	35	45
Windshield		1448.1	1384.3	1448.1	1384.3			1448.1	
Front door	Ventipane	73.0	87.0	73.0	87.0			73.0	
	Window	645.9	640.7	869.4	922.8	884.8	925.6	645.9	
Rear door window		630.0	653.2					641.4	
Rear quarter	Window			440.6	476.4	417.4	401.8		
	Rear side							1187.4	
Back window		1202.0	1239.3	1202.0	1339.8	911.0	767.3	925.9	
Total visibility area		3999.0	4004.5	4093.1	4210.3	3684.5	3566.0	4921.7	

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

DIMENSIONS AND WEIGHTS

INTERIOR DIMENSIONS

FRONT COMPARTMENT

CODE	DESCRIPTION	SEDANS		SPORT SEDANS	SPORT COUPES		CONVERTIBLES		STATION WAGONS
		2-DR	4-DR		BN	BKT	BN	BKT	
H3	Seat cushion height	11.4		11.6		12.0	11.6	11.2	11.6
H11	Entrance height	30.4		29.9	29.8		29.9	29.8	30.4
H13	Steering wheel thigh clearance	4.0			3.9	3.8	3.9	3.8	4.0
H30	H point to heel point	9.0		9.2		9.4	9.3		9.2
H32	Seat cushion deflection	4.4		4.5	4.4	2.8	4.5	2.8	4.2
H50	Upper body opening to ground	49.9			49.5				49.9
H58	H point rise	.7				.8			.7
H61	Effective headroom	39.1		38.1	38.2	37.6(A)	38.8		39.2
H70	H point to body O line	14.0			14.2				14.0
H75	Effective headroom	39.0		38.1	38.3	38.2	38.8		39.2
W3	Shoulder room	62.4							62.3
W5	Hip room	63.9		63.7					63.9
L7	Steering wheel torso clearance	11.6					11.4	11.7	11.6
L17	H point travel	4.8							
L34	Effective leg room	42.2				41.7	42.0		42.1

REAR COMPARTMENT

H8	Seat cushion height	14.2		14.5	13.2				14.6
H12	Entrance height	---	29.9	30.0	---		---		29.8
H31	H point to heel point	12.0		10.9	10.7				11.9
H33	Seat cushion deflection	3.5		4.9	4.1				4.5
H51	Upper body opening to ground	---	49.6	48.8	---		---		49.8
H63	Effective headroom	37.8		37.3	37.2	37.4	37.8		38.6
H71	H point to body O line	14.2		13.5	13.3				14.5
H76	Effective headroom	37.7		36.9	36.8	37.2	38.0		38.8
W4	Shoulder room	60.7	61.3		61.0		53.1		61.4
W6	Hip room	62.2	62.9	63.0	55.5				63.2
L3	Rear compartment room	28.8			26.5	27.2	25.7	26.3	28.7
L50	H point couple distance	36.2		35.8	33.1	33.0	33.3		34.6
L51	Effective leg room	38.9	39.5	38.5	34.9	36.3(B)	34.9	36.3	37.5

STATION WAGON THIRD SEAT

W85	Shoulder room								49.7
W86	Hip room								49.2
H86	Effective headroom								36.2
L86	Effective leg room								33.3
L87	Knee room								12.8

LUGGAGE COMPARTMENT

---	Compartment opening width	55.5		
---	Compartment interior height	21.0		
---	Compartment interior width	74.0		
---	Compartment interior length	64.3		
H195	Compartment loading height	24.8	25.3	
V1	Usable luggage capacity (cu.ft.)	18.3	17.3	20.7
---	Total compartment volume (cu.ft.)	28.7		

STATION WAGON CARGO SPACE

H201	Maximum cargo height								30.7
H202	Rear opening height								28.8
H250	Tailgate to ground height								25.5
W200	Cargo width - front								63.2
W201	Cargo width - wheelhouse								49.7
W203	Rear opening width at floor								52.4
W204	Rear opening width at belt								52.4
W205	Rear opening width above belt								52.4
L200	Maximum cargo length - front seat								122.8
L201	Maximum cargo length - second seat								88.6
L202	Cargo length at floor - front seat								96.0
L203	Cargo length at floor - second seat								61.7
L204	Cargo length at belt - front seat								86.0
L205	Cargo length at belt - second seat								49.7
V2	Total cargo volume (cu.ft.)								94.1(C)

(A) Model 16857 effective headroom front 38.8

(B) Model 16887 effective leg room rear 34.6

(C) Add 12.0 for compartment on 2-seat wagons; 7.2 on 3-seat wagons

EXTERIOR DIMENSIONS

LENGTHS

CODE	DESCRIPTION	SEDANS 2-DR	SEDANS 4-DR	SPORT SEDANS	SPORT COUPES	CONVERTIBLES	STATION WAGONS
L101	Wheelbase	119.0					
L102	Tire size (standard)	8.25 x 14					8.55 x 14
L103	Overall length	213.2					212.4
L104	Overhang - front	34.9					
L105	Overhang - rear	59.3					58.5
----	Overall length - less bumpers	210.5					209.0
L127	Body O line to C/L of rear wheels	100.0					
L128	Hood length at centerline	58.5					

WIDTHS

W101	Tread - front	62.5					63.5
W102	Tread - rear	62.4					63.4
W103	Maximum overall width of car	79.9					
W106	Front fender overall width	79.3					
W107	Rear fender overall width	79.9					
W120	Overall car width, front doors open	163.8		143.3	163.8		143.3
W121	Overall car width, rear doors open	---	143.8		---		143.8

HEIGHTS

H101	Overall height (design)	55.4		54.5	54.4	55.3	56.7
----	Overall height (curb)	57.1		56.1	56.0	56.8	58.2
H102	Front bumper to ground	14.0		13.8	13.6	13.9	15.0
H104	Rear bumper to ground	12.7		12.4		12.5	12.9
H111	Rocker panel to ground - rear	8.8		8.6		8.8	9.2
H112	Rocker panel to ground - front	7.6		7.4		7.9	9.2
H114	Hood at rear to ground	38.0		37.8		38.0	39.2
H115	Step height - front (design)	12.8			12.5	12.9	14.4
H116	Step height - rear (design)	---	12.2		---	---	14.1
H125	Headlamp to ground	25.2	25.0		24.2	24.4	26.1
H126	Tail lamp to ground	23.8	23.6		23.1	23.3	25.5
H130	Step height - front (curb)	14.5			14.1	14.3	15.3
H131	Step height - rear (curb)	---	14.2		---	---	14.9
H136	Body O line to ground - front	6.1	6.0		5.2	5.4	7.0
H137	Body O line to ground - rear	5.3	5.1		4.8	5.0	6.0

CLEARANCES

H106	Angle of approach (degrees)	28		27		28	30
H107	Angle of departure (degrees)	12				13	
H147	Ramp breakover angle (degrees)	14					17
H148	Front suspension to ground	7.0			6.8	7.0	8.0
H149	Oil pan to ground	6.8			6.5	6.8	7.8
H150	Flywheel housing to ground	7.1			6.8	7.1	8.3
H151	Frame to ground	7.5			6.7		8.5
H152	Exhaust system to ground	5.7		5.5		5.7	7.4
H153	Rear axle to ground	6.4				6.2	6.9
H154	Fuel tank to ground	7.2		7.0		7.6	11.1
H155	Tire well to ground	Mounted over rear axle					9.2
H156	Minimum ground clearance (H152)	5.7		5.5		5.7	7.4

VEHICLE WEIGHTS

BISCAYNE

Model	VEHICLE TYPE Description	SHIPPING WEIGHT Front	Rear	Total	CURB WEIGHT Front	Rear	Total
15311	2-Door Sedan 6-cylinder	1735	1600	3335	1720	1790	3510
15411	2-Door Sedan 8-cylinder	1835	1630	3465	1830	1815	3645
15335	4-Door Station Wagon 6-cylinder	1695	2070	3765	1680	2260	3940
15435	4-Door Station Wagon 8-cylinder	1790	2095	3885	1780	2285	4065
15369	4-Door Sedan 6-cylinder	1765	1630	3395	1750	1820	3570
15469	4-Door Sedan 8-cylinder	1865	1660	3525	1865	1845	3710

BEL AIR

15511	2-Door Sedan 6-cylinder	1735	1605	3340	1725	1790	3515
15611	2-Door Sedan 8-cylinder	1840	1630	3470	1835	1820	3655
15535	4-Door Station Wagon 6-cylinder	1700	2075	3770	1680	2260	3940
15635	4-Door Station Wagon 8-cylinder	1790	2100	3890	1785	2290	4075
15545	4-Door Station Wagon 6-cylinder*	1685	2140	3825	1665	2330	3995
15645	4-Door Station Wagon 8-cylinder*	1775	2165	3940	1770	2355	4125
15569	4-Door Sedan 6-cylinder	1770	1640	3410	1760	1820	3580
15669	4-Door Sedan 8-cylinder	1870	1665	3535	1870	1850	3720

IMPALA

16335	4-Door Station Wagon 6-cylinder	1710	2095	3805	1695	2280	3975
16435	4-Door Station Wagon 8-cylinder	1800	2120	3920	1800	2305	4105
16339	4-Door Sport Sedan 6-cylinder	1840	1700	3540	1825	1885	3710
16439	4-Door Sport Sedan 8-cylinder	1940	1720	3660	1935	1910	3845
16345	4-Door Station Wagon 6-cylinder*	1700	2160	3860	1680	2350	4030
16445	4-Door Station Wagon 8-cylinder*	1790	2190	3980	1785	2375	4160
16387	2-Door Sport Coupe 6-cylinder	1805	1670	3475	1795	1855	3650
16487	2-Door Sport Coupe 8-cylinder	1900	1690	3590	1900	1875	3775
16367	2-Door Convertible 6-cylinder	1825	1690	3515	1810	1875	3685
16467	2-Door Convertible 8-cylinder	1920	1705	3625	1915	1895	3810
16369	4-Door Sedan 6-cylinder	1795	1660	3455	1780	1845	3625
16469	4-Door Sedan 8-cylinder	1895	1680	3575	1890	1870	3760

CAPRICE

16635	4-Door Station Wagon 8-cylinder	1810	2125	3935	1805	2310	4115
16639	4-Door Sport Sedan 8-cylinder	1965	1745	3710	1960	1935	3895
16647	2-Door Sport Coupe 8-cylinder	1910	1695	3605	1905	1885	3790
16645	4-Door Station Wagon 8-cylinder*	1795	2195	3990	1790	2380	4170

IMPALA SUPER SPORT

16787	2-Door Sport Coupe 6-cylinder	1820	1680	3500	1805	1870	3675
16887	2-Door Sport Coupe 8-cylinder	1915	1700	3615	1910	1890	3800
16767	2-Door Convertible 6-cylinder	1835	1700	3535	1825	1885	3710
16867	2-Door Convertible 8-cylinder	1935	1715	3650	1930	1905	3835

* 3-seat

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment and grease and oil. Weight of gasoline and water not included.

CURB WEIGHT: Weight of empty vehicle ready to drive. Shipping weight plus weights of gasoline and water.

For total shipping, and curb, weights of vehicles equipped with the following options, add to, or deduct from, the base vehicle weight (lbs).

RPO	Option	Weight	RPO	Option	Weight
A31	Power Window	+ 22	L36	427 Cu.In. V-8	+269
A42	Power Seat 6-Way	+ 17	M10	Overdrive Transmission	+ 27
A46	Power Seat 4-Way	+ 14	M13	Heavy Duty Transmission	+ 23
A51	Strato Bucket Seat	+ 28	M20	Four-Speed Transmission	+ 26
C48	Less Heater	- 23	M35	Powerglide Transmission	+ 12
C60	Air Conditioning	+120	M40	3-Spd. Turbo Hydra-Matic Trans.	+ 38
J50	Power Brakes	+ 7	N40	Hydraulic Steering	+ 28
J52	Front Disc Brakes	+ 43	T60	Heavy Duty Battery	+ 15
L30	327 Cu.In. V-8	+ 51	U63	Radio - Push-Button	+ 9
L35	396 Cu.In. V-8	+243	U69	Radio - AM-FM Push-Button	+ 10

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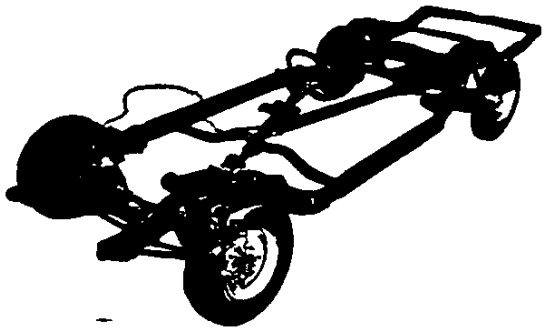
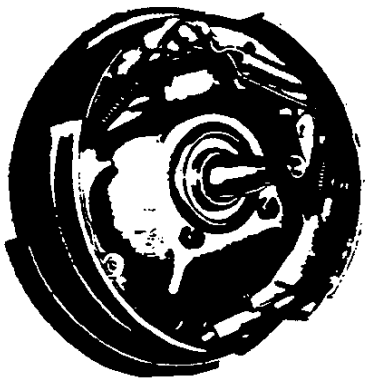




FRAME AND FRONT SUSPENSION

FRAME

Description ---------- All welded perimeter frame, with front crossmember, rear axle upper control arm crossmember, rear shock absorber crossmember, and rear crossmember. Center sections and rear axle kickup are box welded construction. Body mounting points, Convertible and Station wagons 12, all others 10.

FRONT SUSPENSION

Description ---------- Independent, SLA type with coil springs and concentric shock absorbers and spherically joined steering knuckles for each wheel. Strut supported lower control arm.

Wheel travel (design)

Total	8.55
Jounce	4.65
Rebound	3.90
Wheel to spring, travel ratio	1.79

CONTROL ARMS

Description ---------- Reinforced steel stamping with pre-loaded, steel encased rubber bushings at pivot.

STEERING KNUCKLES

Description ---------- Forged steel, with integral brake cylinder mounting, and detachable steering knuckle arm

Spindle diameters

Inner bearing	1.2493-1.2498
Outer bearing	.7492-.7497
Spindle thread size	3/4-20 NEF-3 (modified)

Wheel bearing

Type	Taper roller
Number	Two per spindle

SPHERICAL JOINTS

Type -------- Ball studs, upper self-adjusting for wear

Bearing surfaces

Upper	Two bearings; both non-metallic; teflon-coated phenolic.
Lower	One upper surface, teflon-coated phenolic.

SHOCK ABSORBERS

Type	Direct, double-acting, hydraulic
Piston diameter	1.00

STABILIZER BAR

Type	Link*
Material	HR steel
Diameter	
All except SS427	.8125
SS427, RPO F40 & F41	.9375

FRONT WHEEL ALIGNMENT (Curb)

Camber (degrees)	N1/4 to P3/4
Caster (degrees)	P1/4 to P1-1/4
Toe-in (total)	1/8 to 1/4
SAI (degrees)	7 to 8

GENERAL SUSPENSION PROVISIONS

Car leveling	Front stabilizer bar
Anti-dive control	Angle of front upper control arm
Anti-squat control	Rear suspension geometry
Driveline alignment	Rear control arm shims

FRONT SPRINGS

Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Inside Dia.	Heights Free	Heights Working (In. @ lbs)	Deflection rate (lbs per inch) @ Spring	Deflection rate (lbs per inch) @ Wheel
3890610	A	Coil, right hand helix	AISI A-5160	126.6	.614	3.80	16.8	11.76@1450	290	104
3864714	B			126.6	.614	3.80	16.9	11.76@1495	290	104
3864715	C			126.6	.614	3.80	17.2	11.76@1580	290	104
3864716	D			141.1	.636	3.80	17.4	11.76@1630	290	104
3864718	E			141.1	.636	3.80	17.6	11.76@1690	290	104
3864719	F			141.1	.636	3.80	17.7	11.76@1725	290	104
3862967	G			141.1	.636	3.80	17.9	11.76@1770	290	104
3862969	H			141.1	.636	3.80	18.0	11.76@1810	290	104
3862970	I			141.1	.636	3.80	18.1	11.76@1850	290	104
3869400	J			141.1	.636	3.80	18.3	11.76@1910	290	104
3862976	K			113.4	.641	3.80	15.5	11.76@1440	390	136
3862977	L			113.4	.641	3.80	15.7	11.76@1520	390	136
3864721	M			128.1	.668	3.80	16.2	11.76@1740	390	136
3869404	N			128.1	.668	3.80	16.4	11.76@1800	390	136

Engine	250 L-6 Engine															283 Cu. In. V-8 Engine																		
Model	15300			15500				16300							16700	15400			15600			16400								16600			16800	
	11	69	35	11	69	35	45	87	67	69	39	35	45	87	67	11	69	35	11	69	35	45	87	67	69	39	35	45	47	39	35	45	87	67
Ref.	K	K	K	K	K	K	K	A	A	B	C	K	K	A	A	B	C	L	B	C	L	L	B	B	D	D	L	L	B	D	L	L	B	B

Engine	327 Cu. In. V-8 Engine (RPO L30)																			
Ref.	C	D	C	C	D	C	L	B	B	D	E	C	L	B	E	C	L	B	B	

Engine	396 Cu. In. V-8 Engine (RPO L35)																			
Ref.	F	H	N	F	H	N	M	E	E	H	J	N	M	E	J	N	M	E	E	

Engine	427 Cu. In. V-8 Engine (RPO L36)																			
Ref.	G	G	N	G	G	N	M	E	F	I	I	N	M	E	I	N	M	F	E	

* Not available on Bel Air & Biscayne 6-cyl. 2 & 4 door sedans.

MANUAL STEERING (Standard)

Description ---------- Semi-reversible, recirculating ball nut gear; and a collapsible steering column for safety. Tilt steering wheel optional.
Ratios ---------- Gear, 24:1; overall, 30.7:1
Turning diameters (ft)
Outside front, wall to wall ---------- 43.5
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 ---------- 5.8
Outside wheel angle with inside wheel
@ 14.85 degrees ---------- 13.99
@ 19.80 degrees ---------- 18.09
@ 37.99 degrees (limit of turn) ---------- 28.89
Linkage ---------- Parallelogram, rear of wheels, 2 tie rods
Steering wheel
Standard and optional tilt telescoping wheel --- Deep dished, 16.5 diameter

POWER STEERING, RPO N40

(Same as standard Manual Steering except as shown)
Type ---------- Integral gear, with vane type pump driven by crankshaft pulley providing hydraulic pressure
Ratios ---------- Gear, 17.5:1; overall, 21.2:1
Number of wheel turns, lock to lock ---------- 4.0

DRIVELINE

Type ---------- Tubular, exposed
Number used ---------- One
Diameter (OD) ---------- 3.25
● Length (C/L of U-joints)
3 & 4-speed ---------- 62.16
Powerglide
All except Caprice ---------- 62.16
Caprice ---------- 61.76
Turbo Hydra-Matic
All except Caprice ---------- 61.17
Caprice ---------- 60.06
Wall thickness ---------- .065
Prop Shaft Damper ---------- On Caprice models equipped with automatic transmission
Universal joints
Type ---------- Cross
Number used ---------- Two
Bearings ---------- Prepack, anti-friction
Drive and torque ---------- Through rear suspension control arms

WHEELS

Type ---------- Short spoke spider
Attachment to hub ------- 5 hex nuts, 7/16-20 UNF 2-B, arranged on a 4.75 diameter bolt circle
Rim size
All except wagons ---------- 14 x 5J
Wagons ---------- 14 x 6JK
● Disc brakes ---------- 15 x 6JK
Offset
14 x 5J ---------- .56
● 14 x 6JK & 15 x 6JK ---------- .06

TIRES

Construction ---------- 2 ply
Rating ---------- 4 ply
Size
All except wagons ---------- 8.25 x 14
All wagons ---------- 8.55 x 14
● Disc brakes ---------- 8.15 x 15

TIRE SPECIFICATIONS

		8.25 x 14-4PR	8.55 x 14-4PR	● 8.15 x 15-4PR
● Static loaded radius		12.7	12.9	12.8
Loaded rev/mi @ 50 MPH		755	743	767
Capacity (lb @ PSI)		1380 @ 24	1430 @ 22	1380 @ 24
		1500 @ 28	1770 @ 32	1500 @ 28
Recommended pressure (cold)	Front	24	22	24
	Rear	28	32	28

REAR AXLE AND SUSPENSION

REAR AXLE

Description — Semi-floating; housing consists of two welded tubes pressed into crossbore of cast iron differential carrier. Carrier contains an overhung pinion and hypoid gear supported by two taper roller bearings

Pinion offset — (Vert) 1.50

Hypoid gear PD

3.08, 3.36, 3.70:1	8.125
3.31, 3.55, 2.73:1	8.875

Pinion bearing adjustment — Shim

Lubricant

Type	Military Spec. MIL-L-2105-B
Viscosity	SAE80
Capacity (pts) — 8.125 hypoid gear	3.5
8.875 hypoid gear	4.0

Ratios (standard production)

250 L-6

3-speed, automatic	
● Biscayne & Bel Air Sedan	3.08
● All Others	3.36
Wagons	3.55
Overdrive	3.70

283 V-8

3-speed, automatic	
154-15600 sedans	3.08
All except 154-15600 sedans	3.36
Overdrive	3.70
4-speed	3.08

327 V-8

3 & 4-speed and automatic, wagons	3.36
Powerglide	3.08
● Turbo Hydra-Matic	2.73

396 V-8

3 & 4-speed	3.31
Powerglide	3.07
Turbo Hydra-Matic	2.73

427 V-8

3 & 4-speed	3.31
Turbo Hydra-Matic	2.73

AXLE SHAFT

Type — Forged and hardened steel with integral drive flange

Wheel bearings — Single row cylindrical roller, one per wheel

Oil seal — Steel encased, spring loaded synthetic rubber

● HYPOID AND PINION GEAR TOOTH COMBINATIONS

3.08 (8.125 hypoid gear)	37,12
3.36 (8.125 hypoid gear)	37,11
3.55 (8.125 hypoid gear)	39,11
3.70 (8.125 hypoid gear)	37,10
2.73 (8.875 hypoid gear)	41,15
3.07 (8.875 hypoid gear)	43,14
3.31 (8.875 hypoid gear)	43,13

POSITRACTION DIFFERENTIAL (see Power Trains)

Type — Two pinion with dual disc clutches

REAR SUSPENSION

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. Drive and torque taken through control arms

Wheel travel (design)

Total	8.52
Jounce	3.06
Rebound	5.46
Wheel to spring, travel ratio	1.52

SHOCK ABSORBERS

Type	Direct double acting, hydraulic
Piston diameter	1.00

REAR SPRINGS

Part Number	Ref.	Type	Material	Cut-off Length	Wire Dia.	Inside Dia.	Heights		Deflection rate (lbs per inch)	
							Free	Working (In. @ lbs)	@ Spring	@ Wheel (Wheel Rate)
3901658	A	Coil Right Hand Helix	AISI A-5160	126.9	.621	4.00	16.7	12.37 @ 1140	265	120
3895807	B			126.2	.597	4.00	17.5	12.37 @ 1140	230	105
3882960	C			126.2	.597	4.00	17.5	12.37 @ 1190	230	105
3882961	D			126.2	.597	4.00	17.8	12.37 @ 1240	230	105
3895806	E			112.7	.577	4.00	17.1	12.37 @ 1090	230	105
3869410	F			129.5	.715	4.00	16.4	12.37 @ 1830	450	200

ENGINES	250 Cu.In. L-6 Engine															283 Cu.In. V-8 Engine																
MODELS	15300			15500					16300						16700	15400			15600				16400						16600				16800
	11	69	35	11	69	35	45	87	67	69	39	35	45	87	67	11	69	35	11	69	35	45	87	67	69	39	35	45	47	39	35	45	87	67
REF.	A	A	F	A	A	F	F	B	B	C	D	F	F	B	B	B	C	F	B	C	F	F	E	E	D	D	F	F	E	D	F	F	E	E

ENGINE	327 Cu.In. V-8 Engine (RPO L30)																	
REF.	C	C	F	C	C	F	F	E	E	C	D	F	F	E	D	F	F	E	E

ENGINE	396 Cu.In. V-8 Engine (RPO L35)																	
REF.	B	C	F	B	C	F	F	E	E	C	D	F	F	E	D	F	F	E	E

ENGINE	427 Cu.In. V-8 Engine (RPO L36)																	
REF.	C	C	F	C	C	F	F	B	B	D	D	F	F	B	D	F	F	B	B

SERVICE BRAKES (Standard)

● Type ---------- Dual-circuit; brake system warning and parking brake light, and reverse self-adjusting brakes.
Line pressure, psi, @ 100 lb. pedal load ---------- 739
Braking ratios
Pedal ---------- 5.80
Hydraulic ---------- 4.82
Overall ---------- 27.9
Distribution of braking effort
Front wheels (theoretical, percent) ---------- 58.5
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.in.) ---------- 328.3
Brake lining
Material -------- Full molded asbestos composition
Length
Primary shoe, front & rear ---------- 9.25
Secondary shoe, front & rear ---------- 11.63
Width
Front wheels, primary & secondary -------- 2.75
Rear wheels, primary & secondary -------- 2.00
Thickness minimum @ centerline ---------- .168
Method of attachment ---------- Bonded
Total effective area (sq.in.) ---------- 184.3
Gross lining area (sq.in.) ---------- 198.4
Master cylinder
Piston diameter ---------- 1.00
Piston travel (available pedal travel) -------- 1.22
Wheel cylinders
Piston diameter
Front ---------- 1.1875
Rear ---------- 1.00
Foot pedal travel ---------- 7.08

PARKING BRAKE

Type ---------- Mechanical; pull rods and cables operate two rear service brakes
Total effective area (sq.in.) ---------- 76.5
Control ---------- Pendulum foot pedal; release by T handle located below instrument panel to left of steering column

POWER BRAKES (RPO J50) (Same as standard production SERVICE BRAKES except as follows)

Type ---------- Vacuum power unit added to assist standard master cylinder; integral
Pedal effort ---------- Approximately 30% less than standard service brakes at same deceleration rate
Braking ratios
With standard production service brake linings
Pedal ---------- 3.38
Hydraulic ---------- 4.82
Overall ---------- 16.3
With metallic service brake linings
Pedal ---------- 3.38
Hydraulic ---------- 4.74
Overall ---------- 16.0
With front disc brakes
Pedal ---------- 3.38
Hydraulic ---------- 28.5
Overall ---------- 96.4
Master cylinder
Piston travel (available pedal travel) -------- 1.46
Foot pedal travel ---------- 4.75

SERVICE BRAKES, METALLIC (RPO J65)

(Same as standard production SERVICE BRAKES except as follows)

Line pressure, psi, @ 100 lb. pedal load -------- 964
Braking ratios (manual)
Pedal ---------- 5.80
Hydraulic ---------- 4.94
Overall ---------- 28.6
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 & rear ---------- 6
Secondary ---------- Front 12, rear 10
Method of attachment ---------- Welded
● Total effective area (sq.in.) ---------- 145.2
Master cylinder
Piston diameter ---------- .875

FRONT DISC BRAKES (RPO J52)

(Same as standard production SERVICE BRAKES on rear only; must be used with RPO J50)

Type ---------- Hub mounted front discs, with self-adjusting caliper units mounted on the steering knuckle. A metering valve is provided for balance between front and rear brakes
Brake disc
Construction ---------- Caliper type with radial cavities for heat dissipation
Material ---------- Cast iron
Diameter ---------- 11.75
Swept disc & drum area ---------- 368.8
Brake lining
Material ---------- Molded asbestos
Size, disc segment ---------- 5.96 x 2.21 x .41
Method of attachment ---------- Riveted
Total effective area (sq.in.) ---------- 115.6
Gross lining area (sq.in.) ---------- 119.7
Master cylinder
Piston diameter ---------- 1.125
Piston travel ---------- 1.22
Wheel cylinders (front)
Number ---------- 4 per wheel
Piston diameter ---------- 2-1/16
Foot pedal travel ---------- 4.75

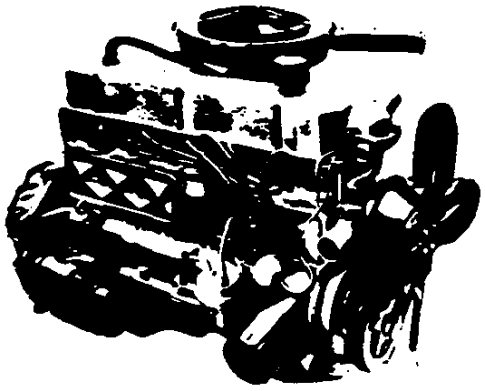
BULBS AND LAMPS

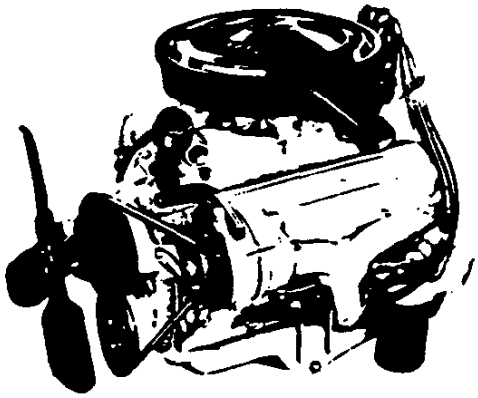
BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Ash tray	1-1445	.7
Automatic transmission position pattern	1-1895	2
Back-up	2-1156	32
Brake warning	1-194	2
Clock	1-1895	2
Courtesy		
Instrument panel	2-631	6
Rear quarter (9-passenger)	1-90	6
Seat separator compartment	1-1445	.7
Rear seat separator	1-212	6
Directional signal indicator	2-1895	2
Dome		
Roof center	1-211	15
Rear quarter	1-90	6
Side rail	2-90	6
Front fender	2-67	4
Generator indicator	1-1895	2
Glove compartment	1-1895	2
Headlamp hi-beam indicator	1-1895	2
Headlamp Outer	2-4002	High beam 37.5W Low beam 55.0W
Headlamp Inner	2-4001	High beam 37.5W
Heater controls	2-1895	2
Ignition switch	1-194	2
Instrument cluster	9-1895	2
License plate, rear	1-67	4
Luggage compartment	1-1003	15
Oil pressure indicator	1-1895	2
Parking		
Park	2-1157	4
Turn		32
Radio	1-1893	2
Spot lamp		
Inside operated	1-4405	30W
Portable	1-4416	30W
Tachometer	1-1895	2
Tail		
Tail only (16600)	2-67	4
Tail, stop and turn	15000, 2-1157	Tail, 4; stop & turn, 32
	16000, 4-1157	Tail, 4; stop & turn, 32
Temperature indicator	1-194	2
Underhood	1-93	15

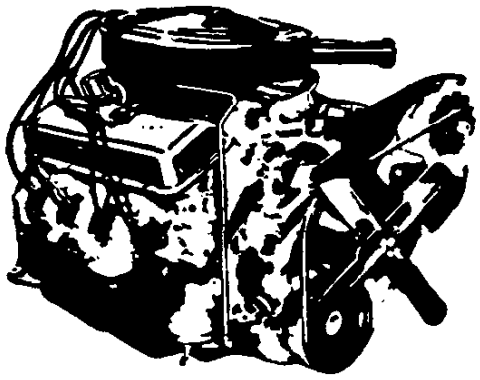
CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	AGC 25 fuse	In line
	AGC 25 fuse	Fuse panel (g)
Ash tray lamp	AGC 4 fuse	Fuse panel (c)
Auto. trans. position pattern lamp	AGC 4 fuse	Fuse panel (c)
Back-up lamps	AGC 10 fuse	Fuse panel (d)
Brake warning lamp	AGC 10 fuse	Fuse panel (d)
Cigarette lighter	AGC 20 fuse	Fuse panel (b)
Clock	AGC 20 fuse	Fuse panel (b)
Courtesy lamps	AGC 20 fuse	Fuse panel (b)
Defroster rear window	AGC 10 fuse	Fuse panel (e)
Direction signal indicator lamps	AGC 4 fuse	Fuse panel (c)
Dome lamps	AGC 20 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 20 fuse	Fuse panel (b)
Headlamps	15 amp CB	Light switch
Headlamps hi-beam indicator lamp	15 amp CB	Light switch
Heater	AGC 25 fuse	Fuse panel (g)
Heater controls lamps	AGC 4 fuse	Fuse panel (c)
Ignition switch lamp	AGC 4 fuse	Fuse panel (c)
Instrument cluster lamps	AGC 4 fuse	Fuse panel (c)
License plate lamp, rear	AGC 20 fuse	Fuse panel (a)
Luggage compartment lamp	AGC 20 fuse	Fuse panel (a)
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
Power antenna	AGC 10 fuse	Fuse panel (d)
Power seats	40 amp CB	Hinge pillar
Power windows	40 amp CB	Hinge pillar
Radio and radio lamp	AGC 20 fuse	Fuse panel (e)
Speed cruise control	AGC 20 fuse	Fuse panel (e)
Speed warning device	AGC 20 fuse	Fuse panel (b)
Spot lamp — Inside operated	AGC 20 fuse	In line
Spot lamp — Portable	AGC 20 fuse	Fuse panel (b)
Tachometer	AGC 10 fuse	Fuse panel (d)
Tachometer lamp	AGC 4 fuse	Fuse panel (c)
Tail, stop and turn lamps	AGC 20 fuse	Fuse panel (a)
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	AGC 20 fuse	Fuse panel (b)
Underhood lamp	SAE 4 fuse	In line
Windshield wiper, two-speed	SAE 20 fuse	Fuse panel (f)
	14 amp CB	Switch

* Letter suffix indicates same circuit

POWER TRAINS







POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS* (@Axle ratios for Air Conditioning same as base unless indicated otherwise)							
			2.73:1	3.07:1	3.08:1	3.31:1	3.36:1	3.55:1	3.70:1	3.73:1
250 Cubic Inch L-6 Turbo-Thrift 250 155 HP Standard	3-Spd (2.85:1 low) & Powerglide	Biscayne & Bel Air Sedans			Std.		Perf.	Spcl.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
		Station Wagons					Econ.	Std.	Perf.	
		All Other Models			Econ.		Std.	Perf.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
	Overdrive	All Models							Std.	
283 Cubic Inch V-8 Turbo-Fire 283 195 HP Standard	3-Spd (2.85:1 low) & Powerglide	Biscayne & Bel Air Sedans			Std.		Perf.	Spcl.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
		All Other Models			Econ.		Std.	Perf.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
	4-Spd (3.11:1 low)	All Models			Std.		Perf.	Spcl.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
	Overdrive	All Models							Std.	
327 Cubic Inch V-8 Turbo-Fire 327 275 HP RPO L30	3-Spd (2.54:1 low) & 4-Spd (2.54:1 low) Powerglide	All Models			Econ.		Std.	Perf.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
		All except Station Wagons			Std.		Perf.	Spcl.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
		Station Wagons			Econ.		Std.	Perf.	Spcl.	
		With Air Conditioning					Std.	Perf.	Spcl.	
	Turbo Hydra-Matic	@All Models	Std.	Perf.		Spcl.				
		With Air Conditioning	Econ.	Std.		Perf.				
396 Cubic Inch V-8 Turbo-Jet 396 325 HP RPO L35	H.D.3-Spd (2.41:1 low) & 4-Spd (2.52:1 low) Powerglide	All Models		Econ.		Std.		Perf.		Spcl.
		With Air Conditioning				Std.		Perf.		
		All Models	Econ.	Std.		Perf.		Spcl.		Spcl.
		With Air Conditioning				Std.		Perf.		
	Turbo Hydra-Matic	All Models	Std.	Perf.		Spcl.				
		With Air Conditioning	Econ.	Std.		Perf.				
427 Cubic Inch V-8 Turbo-Jet 427 385 HP RPO L36	H.D.3-Spd (2.41:1 low) & 4-Spd (2.52:1 low) 4-Spd (2.20:1 low)	All Models		Econ.		Std.		Perf.		Spcl.
		With Air Conditioning				Std.		Perf.		
		All Models				Std.		Perf.		Spcl.#
		With Air Conditioning				Std.				
	Turbo Hydra-Matic	All Models	Std.	Perf.		Spcl.				
		With Air Conditioning	Econ.	Std.		Perf.				

• Positraction axles available optionally for all ratios shown.

Positraction axles only also available in ratios of 4.10:1, 4.56:1, and 4.88:1.

Std. - Standard
Econ. - Economy (optional)
Perf. - Performance (optional)
Spcl. - Special (optional)

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	CARBURETION	TRANSMISSION		TOTAL GEAR REDUCTION*					AXLE RATIO
				1st	2nd	3rd	4th	Rev	
155 HP L-6 Turbo-Thrift Standard	Single Barrel	3-Speed		9.58	5.64	3.36		9.91	3.36:1
		Overdrive	Out	10.54	6.22	3.70		10.92	3.70:1
			In	7.40	4.37	2.59		7.62	3.70:1
195 HP V-8 Turbo-Fire Standard	2-Barrel	3-Speed		9.58	5.64	3.36		9.91	3.36:1
		Overdrive	Out	10.54	6.22	3.70		10.92	3.70:1
			In	7.40	4.37	2.59		7.62	3.70:1
		4-Speed		9.58	6.78	4.53	3.08	9.58	3.08:1
275 HP V-8 Turbo-Fire RPO L30	4-Barrel	3-Speed		8.53	5.04	3.36		8.84	3.36:1
		4-Speed		8.53	6.05	4.83	3.36	8.53	3.36:1
325 HP V-8 Turbo-Jet RPO L35	4-Barrel	H.D. 3-Speed		7.98	5.20	3.31		7.98	3.31:1
		4-Speed		8.34	6.22	4.86	3.31	8.57	3.31:1
385 HP V-8 Turbo-Jet RPO L36	4-Barrel	H.D. 3-Speed		7.98	5.20	3.31		7.98	3.31:1
		4-Speed (2.52:1)		8.34	6.22	4.86	3.31	8.57	3.31:1
		4-Speed (2.20:1)		7.28	5.42	4.20	3.31	7.48	3.31:1

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
155 HP Six Cyl Turbo-Thrift Standard	Powerglide	Drive	12.83:1 - 3.36:1	3.36:1
		Low & Reverse	12.83:1 - 6.11:1	
195 HP V-8 Turbo-Fire Standard	Powerglide	Drive	12.83:1 - 3.36:1	3.36:1
		Low & Reverse	12.83:1 - 6.11:1	
275 HP V-8 Turbo-Fire RPO L30	Powerglide	Drive	11.40:1 - 3.08:1	3.08:1
		Low & Reverse	11.40:1 - 5.42:1	
275 HP V-8 Turbo-Fire RPO L30	Turbo Hydra-Matic	Drive	15.56:1 - 2.73:1	2.73:1
		Low	15.56:1 - 6.77:1	
		Second	15.56:1 - 4.04:1	
		Reverse	13.05:1 - 5.68:1	
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	13.81:1 - 2.73:1	2.73:1
		Low	13.81:1 - 6.77:1	
		Second	13.81:1 - 4.04:1	
		Reverse	11.58:1 - 5.68:1	
385 HP V-8 Turbo-Jet RPO L36	Turbo Hydra-Matic	Drive	13.81:1 - 2.73:1	2.73:1
		Low	13.81:1 - 6.77:1	
		Second	13.81:1 - 4.04:1	
		Reverse	11.58:1 - 5.68:1	

* Axle ratio x transmission ratio.

ENGINE DATA AND RATINGS

1967

GENERAL DATA

Engine Type		L-6 OHV	V-8 OHV			
Piston Displacement (Cu.In.)		250	283	327	396	427
Availability		Standard		L30	L35	L36
Number of Cylinders		Six	Eight			
Bore and Stroke (nominal)		3.875x3.53	3.875x3.00	4.00x3.25	4.094x3.76	4.251x3.76
Compression Ratio		8.5:1	9.25:1	10.0:1	10.25:1	
Taxable (SAE) Horsepower		36.0	48.0	51.2	53.6	57.8
Firing Order		1-5-3-6-2-4	1-8-4-3-6-5-7-2			
Idling Speed	3-Speed and/or 4-Speed (in Neutral)	500				550
	Overdrive (in Neutral)	500				
	Powerglide and/or Hydra-Matic*(in Drive)	500	500			550
Compression Press. (PSI) @ Cranking Speed, Engine Hot		140	150			160
Power Plant Mountings	Front	Two; combination compression and shear type				
	Rear	One; full shear type				
Measurements	Fan to rear of engine block	34.96	30.14	30.64	32.59	32.59
	Top of air cleaner to bottom of oil pan	26.67	28.74	29.96	29.73	29.73
	Width - including generator	28.37	28.92	28.92	30.71	30.71

* Turbo Hydra-Matic available with RPO L35 and L36 only and also on Impala SS and Caprice models with L30. Powerglide not available with RPO L36.

ADVERTISED ENGINE RATING

Engine Designation	L-6, 155 HP Turbo-Thrift 250 Cu.In.	V-8, 195 HP Turbo-Fire 283 Cu.In.	V-8, 275 HP Turbo-Fire 327 Cu.In.	V-8, 325 HP Turbo-Jet 396 Cu.In.	V-8, 385 HP Turbo-Jet 427 Cu.In.
Availability	Standard	Standard	RPO L30	RPO L35	RPO L36
Carburetor	Single Barrel	Two Barrel	Four Barrel	Four Barrel	Four Barrel
Gross Brake HP @ RPM	155 @ 4200	195 @ 4600	275 @ 4800	325 @ 4800	385 @ 5200
Gross Torque @ RPM (lb-ft)	235 @ 1600	285 @ 2400	355 @ 3200	410 @ 3200	460 @ 3400

ENGINE SPEED AND PISTON TRAVEL

250 CUBIC INCH L-6 ENGINE

Transmission		3-Speed	3-Speed with Overdrive		Powerglide
			OD Locked Out	OD Locked In	
Rear Axle Ratio		3.36:1 (b)	3.70:1		3.36:1 (b)
Tire Size		8.25 x 14 (a)			
Crankshaft Revolutions per Mile		2530.1	2786.1	1950.3	2530.1
Crankshaft RPM@1 MPH	Low	120.2	132.3	92.6	76.7
	Second	70.8	78.0	54.6	
	Third	42.2	46.4	32.5	42.2 (direct)
	Reverse	124.4	137.0	95.9	76.7
Piston Travel (ft/mile)		1488.5	1639.1	1147.4	1488.5

●(a) 8.55 x 14 standard on Station Wagons. (b) 3.08:1 on Biscayne & Bel Air Sedans and 3.55:1 on Station Wagons.

283 CUBIC INCH V-8 ENGINE

Transmission		3-Speed	3-Speed with Overdrive		4-Speed	Powerglide
			OD Locked Out	OD Locked In		
Rear Axle Ratio		3.36:1 (b)	3.70:1		3.08:1	3.36:1 (b)
Tire Size		8.25 x 14 (a)				
Crankshaft Revolutions per Mile		2530.1	2786.1	1950.3	2319.2	2530.1
Crankshaft RPM@1 MPH	Low	120.2	132.3	92.6	120.2	76.7
	Second	70.8	78.0	54.6	85.0	
	Third	42.2	46.4	32.5	56.8	42.2 (direct)
	Fourth				38.7	
	Reverse	124.4	137.0	95.9	120.2	76.7
Piston Travel (ft/mile)		1265.0	1393.0	975.1	1159.6	1265.0

●(a) 8.55 x 14 standard on Station Wagons. (b) 3.08:1 Biscayne & Bel Air Sedans.

327 CUBIC INCH V-8 ENGINE

Transmission		3-Speed	4-Speed	Powerglide	Turbo Hydra-Matic
Rear Axle Ratio		3.36:1		3.08:1 (b)	2.73:1
Tire Size		8.25 x 14 (a)			
Crankshaft Revolutions per Mile		2530.1		2319.2	2055.7
Crankshaft RPM@1 MPH	Low	107.1	107.1	68.0	85.0
	Second	63.3	75.9		50.7
	Third	42.2	60.7	38.6 (direct)	34.3 (direct)
	Fourth		42.2		
	Reverse	110.9	107.1	68.0	71.3
Piston Travel (ft/mile)		1570.5		1256.3	1113.5

●(a) 8.55 x 14 standard on Station Wagons. (b) 3.36:1 on Station Wagons.

396 CUBIC INCH V-8 ENGINE

Transmission		Hvy. Duty 3-Speed	4-Speed	Powerglide	Turbo Hydra-Matic
Rear Axle Ratio		3.31:1		3.07:1	2.73:1
Tire Size		8.25 x 14 (a)			
Crankshaft Revolutions per Mile		2492.4		2311.7	2055.7
Crankshaft RPM@1 MPH	Low	100.1	104.7	67.8	85.0
	Second	65.2	78.1		50.7
	Third	41.5	61.1	38.5 (direct)	34.3 (direct)
	Fourth		41.5		
	Reverse	100.1	107.6	67.8	71.3
Piston Travel (ft/mile)		1354.2		1256.0	1116.9

●(a) 8.55 x 14 standard on Station Wagons.

427 CUBIC INCH V-8 ENGINE

Transmission		Hvy. Duty 3-Speed	4-Spd (M20)	4-Spd (M21)	Turbo Hydra-Matic
Rear Axle Ratio		3.31:1			2.73:1
Tire Size		8.25 x 14 (a)			
Crankshaft Revolutions per Mile		2492.4			2055.7
Crankshaft RPM@1 MPH	Low	100.1	104.7	91.4	85.0
	Second	65.2	78.1	68.1	50.7
	Third	41.5	61.1	52.7	34.3 (direct)
	Fourth		41.5	41.5	
	Reverse	100.1	107.6	93.9	71.3
Piston Travel (ft/mile)		1354.2			1116.9

●(a) 8.55 x 14 standard on Station Wagons.

VEHICLE PERFORMANCE FACTORS

ENGINE	BASE 250 CU.IN. 155 HP	BASE 283 CU.IN. 195 HP	RPO L30 327 CU.IN. 275 HP	RPO L35 396 CU.IN. 325 HP	RPO L36 427 CU.IN. 385 HP
MODEL	15569	15669	15669	15669	15669
3-SPEED TRANSMISSION					
Performance Weight (pounds)	4180	4319	4370	4585	4611
Pounds per Gross Horsepower	26.97	22.15	15.89	14.11	11.98
Pounds per Cu.In. Displacement	16.72	15.26	13.36	11.58	10.80
Gross HP per Cu.In. Displacement	.620	.689	.831	.821	.902
Power Displacement (cu.ft./mile)	183.02	207.18	239.39	285.59	307.94
Displacement Factor (cu.ft./ton mile)	87.57	95.92	109.56	129.27	133.60
3-SPEED TRANSMISSION WITH OVERDRIVE					
Performance Weight (pounds)	4207	4346			
Pounds per Gross Horsepower	27.14	22.29			
Pounds per Cu.In. Displacement	16.83	15.36			
Gross HP per Cu.In. Displacement	.620	.689			
Power Displacement (cu.ft./mile) — Locked Out	201.54	228.14			
Power Displacement (cu.ft./mile) — Locked In	141.08	159.70			
Displacement Factor (cu.ft./ton mile) — Locked Out	95.79	104.99			
Displacement Factor (cu.ft./ton mile) — Locked In	67.05	73.49			
4-SPEED TRANSMISSION					
Performance Weight (pounds)		4345	4396	4562	4588
Pounds per Gross Horsepower		22.28	15.98	14.04	11.92
Pounds per Cu.In. Displacement		15.35	13.44	11.52	10.74
Gross HP per Cu.In. Displacement		.689	.841	.821	.902
Power Displacement (cu.ft./mile)		189.91	239.39	285.59	307.94
Displacement Factor (cu.ft./ton mile)		87.40	108.91	125.20	134.24
TURBO HYDRA-MATIC					
Performance Weight (pounds)			4428	4620	4646
Pounds per Gross Horsepower			16.10	14.21	12.07
Pounds per Cu.In. Displacement			13.54	11.67	10.88
Gross HP per Cu.In. Displacement			.841	.821	.902
Power Displacement (cu.ft./mile)			194.51	235.55	253.99
Displacement Factor (cu.ft./ton mile)			87.85	101.97	109.34
POWERGLIDE*					
Performance Weight (pounds)	4188	4331	4379	4571	
Pounds per Gross Horsepower	27.02	22.21	15.92	14.07	
Pounds per Cu.In. Displacement	16.75	15.30	13.39	11.54	
Gross HP per Cu.In. Displacement	.620	.689	.841	.821	
Power Displacement (cu.ft./mile)	183.02	207.18	219.44	264.88	
Displacement Factor (cu.ft./ton mile)	87.40	95.70	100.25	119.94	

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

CYLINDER BLOCK

Material ---------- Cast alloy iron
Bore diameter
L6-250 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
V8-427 Cu.In. ---------- 4.2495-4.2525
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)
L6-250 Cu.In. ---------- 4.4
V8-283 & 327 Cu.In. ---------- 4.4
V8-396 & 427 Cu.In. ---------- 4.84

CYLINDER HEAD

Material ---------- High chrome cast alloy iron
Bolt No. & Size
L6-250 Cu.In. --------- 10; .500 dia. 13 threads/in.
V8-283 & 327 Cu.In. --- 34; .4375 dia. 14 threads/in.
V8-396 & 427 Cu.In. --- 32; .4375 dia. 14 threads/in.

COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)
L6-250 Cu.In. ---------- 5.73 Cu.In.
V8-283 Cu.In. ---------- 4.47 Cu.In.
V8-327 Cu.In. ---------- 4.69 Cu.In.
V8-396 Cu.In. ---------- 5.88 Cu.In.
V8-427 Cu.In. ---------- 5.90 Cu.In.

INLET MANIFOLD

Material ---------- Cast alloy iron
Type
L6 ---------- 3 port, rectangular section
V8 ---------- 8 port, double deck
Heat Provision ---------- Exhaust gas crossover at carburetor mounting pad

EXHAUST MANIFOLD

Material ---------- Cast alloy iron
Type
L6-250 Cu.In. --- 4 port, rectangular, center downtake
V8-283 & 327 Cu.In. ---- Dual, 4 port, center downtake
V8-396 & 427 Cu.In. ---------- Tuned, dual, 4 port, rear downtake
Outlet Diameter
L6-250 Cu.In. ---------- 2.0
V8-283 & 327 Cu.In. ---------- 2.0
V8-396 & 427 Cu.In. ---------- 2.5

CRANKSHAFT

Material
L6-250 Cu.In. ---------- Cast nodular iron
V8-283 & 396 Cu.In. ---------- Cast nodular iron
V8-327 & 427 Cu.In. ---------- Forged steel
End Play
L6-250 Cu.In. ---------- .002-.006
V8-283 & 327 Cu.In. ---------- .002-.006
V8-396 & 427 Cu.In. ---------- .006-.010
Counter Weights
L6 ---------- 12
V8 ---------- 6
Crank Arm Length
L6-250 Cu.In. ---------- 1.765
V8-283 Cu.In. ---------- 1.50
V8-327 Cu.In. ---------- 1.625
V8-396 & 427 Cu.In. ---------- 1.88
Torsional Damper
L6-250 Cu.In. ---------- Rubber mounted inertia
V8-283 Cu.In. ---------- None
V8-327, 396 & 427 Cu.In. ---- Rubber mounted inertia
Timing Gear
L6 ---------- Steel, helical cut
V8 ---------- Steel; sprocket & chain
Pulley Pitch Diameter ---------- 6.64

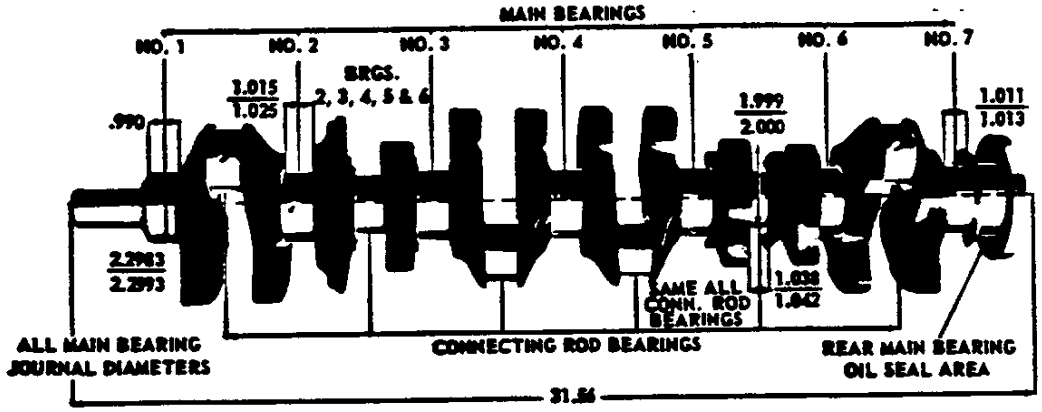
MAIN BEARINGS

Material ---------- Steel, backed insert (selected bearing material — copper lead alloy or premium aluminum — for intended engine operation & application)
Type ---------- Precision removable
Thrust Against Bearing No. ----- L6 - No. 7; V8 - No. 5
Clearance
L6-250 Cu.In. ---------- .0003-.0029
V8-283 & 327 Cu.In.
No. 1 ---------- .0008-.0020
No. 2, 3 & 4 ---------- .0008-.0024
No. 5 ---------- .0013-.0031
V8-396 & 427 Cu.In.
No. 1 & 2 ---------- .0010-.0020
No. 3 & 4 ---------- .0013-.0025
No. 5 ---------- .0015-.0031

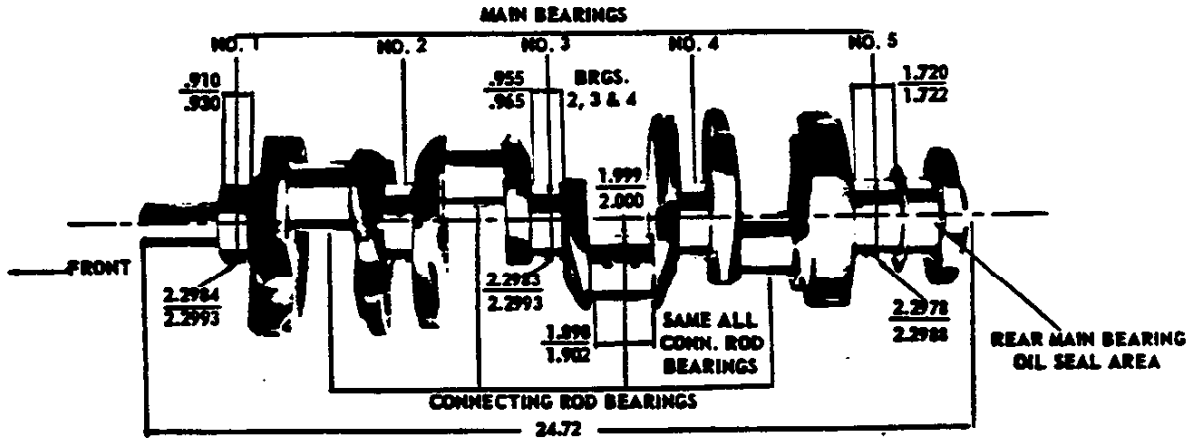
Dimensions	Theoretical Inner Dia.	Effective Length	Projected Area
L6-250 Cu.In.			
Bearing #1-6	2.3004	.752	1.7299
Bearing #7	2.3004	.760	1.7483
V8-283 & 327 Cu.In.			
Bearing #1	2.3003	.752	1.7298
Bearing #2, 3 & 4	2.3004	.752	1.7299
Bearing #5	2.3009	1.177	2.7081
V8-396 Cu.In.			
Bearing #1-4	2.7505	.992	2.7285
Bearing #5	2.7506	1.2525	3.4451
V8-427 Cu.In.			
Bearing #1-2	2.7507	.992	2.7287
Bearing #3-4	2.7505	.992	2.7285
Bearing #5	2.7506	1.2525	3.4451

CRANKSHAFTS AND BEARINGS

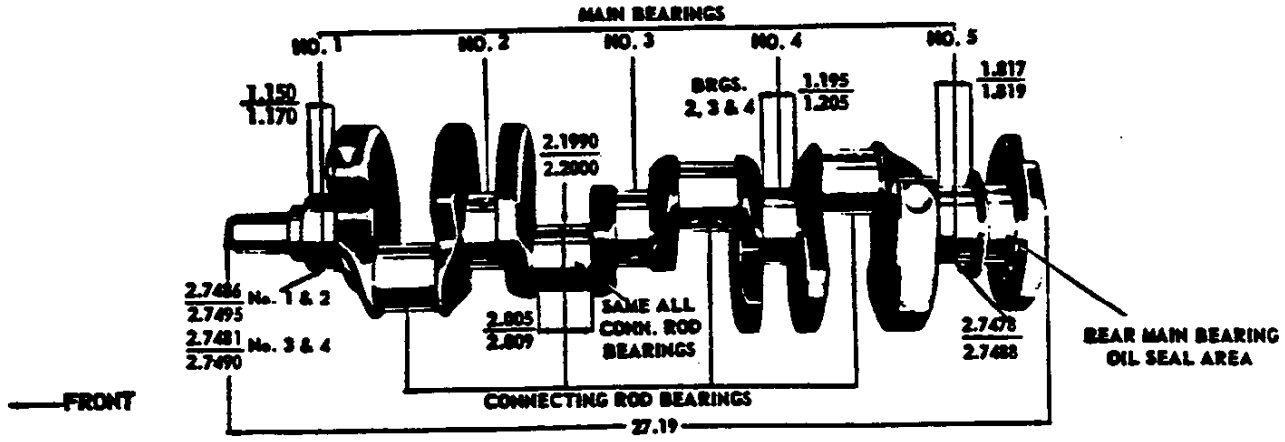
250 CUBIC INCH SIX CYLINDER ENGINE



283 and 327 CUBIC INCH V-8 ENGINES



396 and 427 CUBIC INCH V-8 ENGINES



CAMSHAFT

Material	Cast alloy iron
Drive	
L6	Gear; bakelite and fabric composition with steel hub
V8	Sprocket & chain; steel
Lobe Lift	
L6	.2217 Inlet & Exhaust
V8-283 & 327 Cu.In.	.2600 Inlet; .2733 Exhaust
V8-396 Cu.In.	.2343 Inlet & Exhaust
V8-427 Cu.In.	.2714 Inlet; .2824 Exhaust
Bearings	Steel backed babbitt

VALVE TRAIN

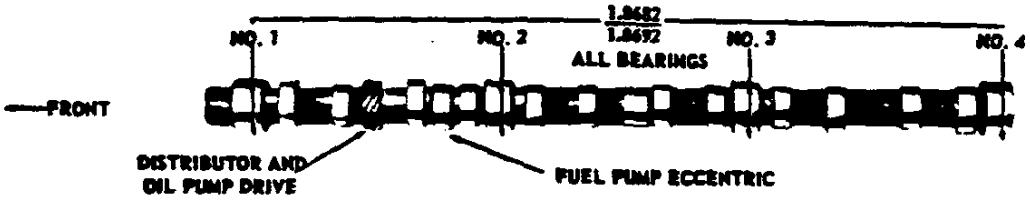
Type	Individually mounted, overhead rocker arms, push rod actuated
Lifters	Hydraulic
Push Rods	
Type	Hollow steel
Ends	Hardened
Rocker Arms	
Material	Stamped steel
Ratio	
L6	1.75:1
V8-283 & 327 Cu.In.	1.50:1
V8-396 & 427 Cu.In.	1.70:1

VALVE SPRINGS

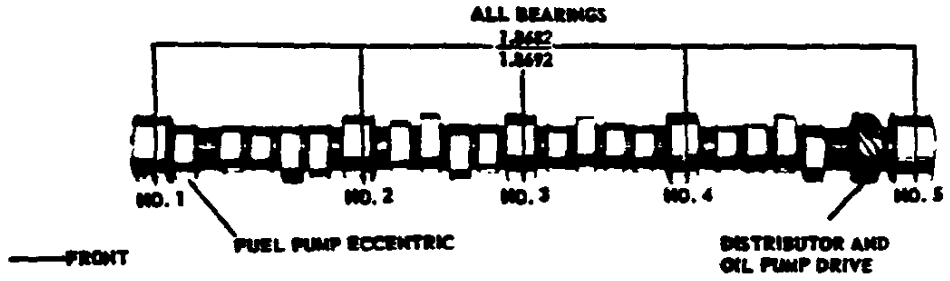
Diameter (I.D.)	
L6	.872-.888
V8-283 Cu.In.	.868-.884
V8-327 Cu.In.	.868-.884
V8-396 & 427 Cu.In.	1.082-1.098
Installed Length (in. @ lb)	
Valves Closed	
L6	1.66 @ 56-64
V8-283 & 327 Cu.In.	1.70 @ 76-84
V8-396 & 427 Cu.In.	1.88 @ 94-106
Valves Opened	
L6	1.27 @ 180-192
V8-283 & 327 Cu.In.	1.25 @ 194-206
V8-396 & 427 Cu.In.	1.38 @ 303-327
Free Length	
L6	1.90
V8-283 & 327 Cu.In.	2.03
V8-396 Cu.In.	2.09
V8-427 Cu.In.	2.09
Valve Spring Damper	
L6	None
V8-283 Cu.In.	Flat steel, 4 coils
V8-327 Cu.In.	Flat steel, 4 coils
V8-396 & 427 Cu.In.	Flat steel, 3.62 coils

CAMSHAFT AND BEARINGS

250 CUBIC INCH L-6 ENGINE



283 and 327 CUBIC INCH V-8 ENGINES



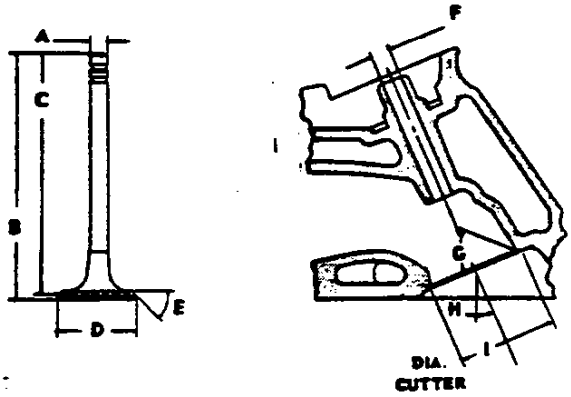
PRINCIPAL COMPONENTS—Cont'd.

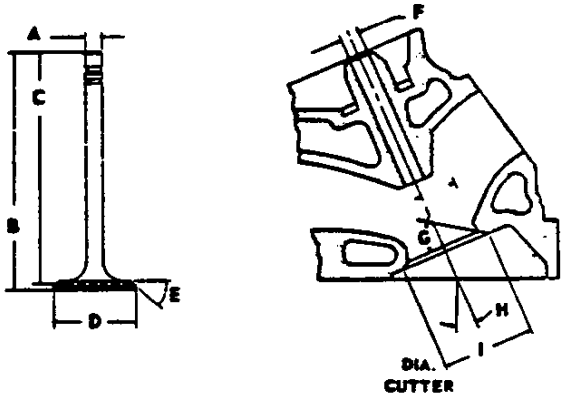
VALVES - INLET

Material	Alloy steel
Coating	
L6, V8-283 & 327 Cu.In.	None
V8-396 & 427 Cu.In.	Face & head aluminized
Valve Guide Inserts (V8-396 & 427)	Cast alloy iron

VALVES - EXHAUST

Material	High alloy steel
Coating	
L6-250 Cu.In.	None
V8-283 & 327 Cu.In.	Aluminized face
V8-396 & 427 Cu.In.	Face & head aluminized
Valve Guide Inserts (V8-396 & 427)	Cast alloy iron





A - Stem Diameter	
L6	.3410-.3417
V8-283 & 327	.3410-.3417
V8-396 & 427	.3715-.3722
B - Overall Length	
L6, V8-283	4.902-4.922
V8-327	4.870-4.889
V8-396 & 427	5.215-5.235
C - Gage Length	
L6	4.785-4.795
V8-283 & 327	4.785-4.795
V8-396 & 427	5.115-5.125
D - Overall Head Diameter	
L6, V8-283	1.715-1.725
V8-327	1.935-1.945
V8-396 & 427	2.060-2.070
E - Angle of Face	45°
F - Guide Diameter	
L6	.3427-.3437
V8-283 & 327	.3427-.3437
V8-396 & 427	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6	9°
V8-283 & 327	23°
V8-396 & 427	4°
I - Valve Seat (Cutter) Diameter	
L6, V8-283	1.770-1.790
V8-327	1.990-2.010
V8-396 & 427	2.150

A - Stem Diameter	
L6	.3410-.3417
V8-283 & 327	.3713-.3720
V8-396 & 427	.3713-.3720
B - Overall Length	
L6	4.913-4.933
V8-283 & 327	4.913-4.933
V8-396 & 427	5.345-5.365
C - Gage Length	
L6	4.781-4.791
V8-283 & 327	4.781-4.791
V8-396 & 427	5.235-5.245
D - Overall Head Diameter	
L6	1.495-1.505
V8-283 & 327	1.495-1.505
V8-396 & 427	1.715-1.725
E - Angle of Face	45°
F - Guide Diameter	
L6	.3427-.3437
V8-283 & 327	.3427-.3437
V8-396 & 427	.3732-.3742
G - Angle of Seat	46°
H - Valve Angle	
L6	9°
V8-283 & 327	23°
V8-396 & 427	4°
I - Valve Seat (Cutter) Diameter	
L6	1.550-1.570
V8-283 & 327	1.550-1.570
V8-396 & 427	1.625

VALVE LIFT

L6 ---------- .3880 Inlet & Exhaust
V8-283 & 327 Cu.In. ---------- .3900 Inlet, .4100 Exhaust
V8-396 Cu.In. ---------- .3983 Inlet & Exhaust
V8-427 Cu.In. ---------- .4614 Inlet, .4800 Exhaust

VALVE TIMING (Crankshaft degrees)

L6-250 Cu. In.	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	16°	62°
Closes - ABC	48°	94°
Duration	244°	336°
Exhaust Valve (Zero lash)		
Opens - BBC	46° 30'	92° 30'
Closes - ATC	17° 30'	63° 30'
Duration	244°	336°

V8-283 & 327 Cu. In.	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	28°	38°
Closes - ABC	72°	92°
Duration	280°	310°
Exhaust Valve (Zero lash)		
Opens - BBC	78°	88°
Closes - ATC	30°	52°
Duration	288°	320°

V8-396 Cu. In.	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	28°	40°
Closes - ABC	78°	102°
Duration	286°	322°
Exhaust Valve (Zero lash)		
Opens - BBC	75°	87°
Closes - ATC	31°	55°
Duration	286°	322°

V8-427 Cu. In.	Excluding Ramps	Including Ramps
Inlet Valve (Zero lash)		
Opens - BTC	40°	56°
Closes - ABC	80°	114°
Duration	300°	350°
Exhaust Valve (Zero lash)		
Opens - BBC	88°	110°
Closes - ATC	32°	62°
Duration	300°	352°

PISTONS

Material
- L6 ---------- Cast aluminum alloy
- V8-283 & 327 Cu.In. ---------- Cast aluminum alloy
- V8-396 & 427 Cu.In. ---------- Cast aluminum alloy

Head Type
- L6, V8-283 & 327 Cu.In. ---------- Flat, notched
- V8-396 & 427 Cu.In. -------- Domed head, valve cutout

Skirt Type ---------- Slipper

Top Land Clearance
- L6 ---------- .0345-.0435
- V8-283 Cu.In. ---------- .0345-.0435
- V8-327 Cu.In. ---------- .0365-.0455
- V8-396 & 427 Cu.In. ---------- .0305-.0375

Skirt Clearance
- L6, V8-283 & 327 Cu.In. ---------- .0005-.0011
- V8-396 Cu.In. ---------- .0007-.0013
- V8-427 Cu.In. ---------- .0009-.0015

Compression Ring Groove Depth
- L6, V8-283 Cu.In. ---------- .2153-.2218
- V8-327 Cu.In. ---------- .2217-.2283
- V8-396 Cu.In. ---------- .2253-.2318
- V8-427 Cu.In. ---------- .2348-.2413

Oil Ring Groove Depth
- L6, V8-283 Cu.In. ---------- .2093-.2158
- V8-327 Cu.In. ---------- .2038-.2103
- V8-396 Cu.In. ---------- .2098-.2168
- V8-427 Cu.In. ---------- .2183-.2248

Pin Bore Offset ---------- .055-.065

Compression Height
- L6 ---------- 1.658-1.662
- V8-283 Cu.In. ---------- 1.799-1.801
- V8-327 Cu.In. ---------- 1.674-1.676
- V8-396 Cu.In. ---------- 1.953-1.957
- V8-427 Cu.In. ---------- 1.908-1.912

PISTON PINS

Material ---------- Chromium steel

Length
- L6, V8-283 & 327 Cu.In. ---------- 2.990-3.010
- V8-396 & 427 Cu.In. ---------- 2.930-2.950

Diameter
- L6, V8-283 & 327 Cu.In. ---------- .9270-.9273
- V8-396 & 427 Cu.In. ---------- .9895-.9898

Clearance in Piston
- L6, V8-283 & 327 Cu.In. ---------- .00015-.00025
- V8-396 Cu.In. ---------- .00025-.00035
- V8-427 Cu.In. ---------- .00025-.00035

Pin Mounting ---------- Locked in rod by shrink fit

PRINCIPAL COMPONENTS—Cont'd.

COMPRESSION RINGS - UPPER

- Material ---------- Cast alloy iron
- Type ---------- Inside bevel (bottom of ring 30 degrees to piston vertical axis)- No inside bevel on L6, V8-396 & 427
- Face
  - V8-283 & 327 Cu.In. ---------- Tapered
  - L6 & V8-396 & 427 Cu.In. ---------- Barrel
- Coating
  - L6, V8-283 & 327 Cu.In. ---------- Chrome plate
  - V8-396 & 427 Cu.In. ---------- Molybdenum inlay
- Width
  - L6 ---------- .0628-.0633
  - V8-283 & 327 Cu.In. ---------- .0775-.0780
  - V8-396 & 427 Cu.In. ---------- .0770-.0775
- Wall Thickness
  - L6 ---------- .184-.194
  - V8-283 Cu.In. ---------- .179-.194
  - V8-327 Cu.In. ---------- .190-.200
  - V8-396 Cu.In. ---------- .194-.204
  - V8-427 Cu.In. ---------- .202-.212
- Gap
  - L6 & V8-283 Cu.In. ---------- .010-.020
  - V8-327 Cu.In. ---------- .013-.023
  - V8-396 & 427 Cu.In. ---------- .010-.020

COMPRESSION RINGS - LOWER

- Material ---------- Cast alloy iron
- Type ---------- Inside bevel (top of ring 30 degrees to piston vertical axis for L6 & V8-283; 50 degrees for V8-327 & 396; 28-52 degrees for V8-427).
- Face ---------- Tapered
- Coating ---------- Wear resistant
- Width
  - L6 ---------- .0623-.0625
  - V8-283 Cu.In. ---------- .0770-.0780
  - V8-327, 396 & 427 Cu.In. ---------- .0770-.0775
- Wall Thickness
  - L6 & V8-283 Cu.In. ---------- .184-.194
  - V8-327 Cu.In. ---------- .164-.170
  - V8-396 Cu.In. ---------- .194-.204
  - V8-427 Cu.In. ---------- .202-.212
- Gap
  - L6 & V8-283 Cu.In. ---------- .010-.020
  - V8-327 Cu.In. ---------- .013-.025
  - V8-396 & 427 Cu.In. ---------- .010-.020
- Expander (used with V8-327 Cu.In. only)-
  - Material ---------- Steel
  - Width ---------- .068-.074
  - Wall Thickness ---------- .0180

OIL CONTROL RINGS

- Type ---------- Multi-piece (Two rails and one spacer)
- Material
  - Rails ---------- Steel
  - Spacer ---------- Alloy steel
- Width (assembled)
  - L6 ---------- .1870-.1890
  - V8-283 & 327 Cu.In. ---------- .1870-.1890
  - V8-396 & 427 Cu.In. ---------- .1870-.1890
- Wall Thickness
  - L6 ---------- .152-.158
  - V8-283 & 327 Cu.In. ---------- .150-.156
  - V8-396 & 427 Cu.In. ---------- .137-.143
- Gap
  - L6 ---------- .015-.025
  - V8-283 & 327 Cu.In. ---------- .015-.055
  - V8-396 & 427 Cu.In. ---------- .010-.030
- Rail Coatings ---------- Chrome plated

CONNECTING RODS

- Material ---------- Drop forged steel
- Length (center to center)
  - L6 ---------- 5.699-5.701
  - V8-283 & 327 Cu.In. ---------- 5.699-5.701
  - V8-396 & 427 Cu.In. ---------- 6.130-6.140

CONNECTING ROD BEARINGS

- Material
  - L6 & V8-283 Cu.In. ---- Copper lead alloy or sintered copper nickel backed babbitt on steel
  - V8-327 Cu.In. ---------- Premium aluminum
  - V8-396 & 427 Cu.In. ---------- Premium aluminum
- Type ---------- Precision removable
- Clearance
  - L6 ---------- .0007-.0027
  - V8-283 & 327 Cu.In. ---------- .0007-.0027
  - V8-396 & 427 Cu.In. ---------- .0009-.0029
- Theoretical I.D.
  - L6 & V8-283 Cu.In. ---------- 2.0016
  - V8-327 Cu.In. ---------- 2.0017
  - V8-396 & 427 Cu.In. ---------- 2.2014
- Effective Length
  - L6 ---------- .807
  - V8-283 & 327 Cu.In. ---------- .807
  - V8-396 & 427 Cu.In. ---------- .857
- End Play
  - L6 ---------- .009-.013
  - V8-283 & 327 Cu.In. ---------- .009-.013
  - V8-396 & 427 Cu.In. ---------- .016-.020

FUEL TANK

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

FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
●In Carburetor Inlet	
L6-250 & V8-283 Cu.In.	Sintered bronze
V8-327, 396 & 427 Cu.In.	Paper

FUEL PUMP ASSEMBLY

Type	Mechanical; diaphgram
Drive	Camshaft, eccentric
Location	Right side front of engine
Pressure Range (at carburetor)	
L6-250 Cu.In.	3.50-4.50 PSI
V8-283 Cu.In.	5.00-6.50 PSI
●V8-327 Cu.In.	5.00-6.50 PSI
V8-396 & 427 Cu.In.	5.00-6.50 PSI

AIR CLEANER

Type	Cylindrical, single air horn
Diameter	
L6-250 Cu.In.	13.00
V8-283 Cu.In.	13.00
V8-327, 396 & 427 Cu.In.	16.78
Filter Element	Oil-wetted paper

CARBURETORS

Make and Type	
L6-250 Cu.In.	Rochester, 1-barrel, downdraft
V8-283 Cu.In.	Rochester, 2-barrel, downdraft
V8-327 Cu.In.	Rochester, Quadrajet
V8-396 & 427 Cu.In.	Rochester, Quadrajet
SAE Flange Size	
L6-250 Cu.In.	1.50
V8-283 Cu.In.	1.25
V8-327, 396 & 427 Cu.In.	1.50
Throttle Bore	
L6-250 Cu.In.	1.56
V8-283 Cu.In.	1.44
V8-327 Cu.In.	
Primary	1.38
Secondary	2.25
V8-396 & 427 Cu.In.	
Primary	1.38
Secondary	2.25
Secondary Throttle Actuation	By linkage, approximately when primary valves are opened half way between closed and open
Venturi Diameter	
L6-250 Cu.In.	1.34
V8-283 Cu.In.	1.09
V8-327 Cu.In.	
Primary	1.09
Secondary	Air valve
V8-396 & 427 Cu.In.	
Primary	1.09
Secondary	Air valve

CHOKE

Type	Automatic

EXHAUST AND VENTILATION SYSTEM

TYPE
- L6-250 Cu.In. ---------- Single
- V8-283 & 327 Cu.In. ---------- Single with crossover pipes
- V8-396 Cu.In. ---------- Single with crossover pipes
- V8-427 Cu.In. ---------- Dual with resonators

MUFFLERS
- Type ---------- Oval, reverse flow
- Construction ---------- Heads and body joined by rolled lock seam construction
- Head
  - L6-250 & V8-283 Cu.In. ---------- .047 sheet steel, aluminized
  - V8-327 & 396 Cu.In. ---------- .055 sheet steel, aluminized
  - V8-427 Cu.In.
    - Left hand ---------- .055 sheet steel, aluminized
    - Right hand ---------- .055 stainless steel
- Shell
  - L6-250 & V8-283 Cu.In. ---------- .035 sheet steel, zinc coated
  - V8-327 & 396 Cu.In. ---------- .035 sheet steel, zinc coated
  - V8-427 Cu.In.
    - Left hand ---------- .035 sheet steel, zinc coated
    - Right hand ---------- .035 stainless steel
- Wrap ---------- .030 indented asbestos sheet
- Cover ---------- .018 sheet steel, aluminized
- Baffles
  - L6-250 & V8-283 Cu.In. ---------- #2-.035 zinc coated steel; #1,3 & 4-.047 zinc coated steel
  - V8-327 & 396 Cu.In. ---------- #1 & 4-.047 zinc coated steel; #2 & 3-.035 zinc coated steel
  - V8-427 Cu.In.(left) ---------- #1 & 4-.047 zinc coated steel; #2 & 3-.035 zinc coated steel
  - V8-427 Cu.In.(right) ---------- #1-4-.035 stainless steel

EXHAUST CROSSOVER PIPE
- Dimensions (O.D.)
  - V8-283 & 327 Cu.In. ---------- 2.00
  - V8-396 Cu.In. ---------- 2.50
- Wall Thickness
  - V8-283 & 327 Cu.In. ---------- .073-.091 laminated
  - V8-396 Cu.In. ---------- .032-.098 laminated

EXHAUST PIPE
- Dimensions (O.D.)
  - L6-250 & V8-283 Cu.In. ---------- 2.00
  - V8-327, 396 & 427 Cu.In. ---------- 2.50
- Wall Thickness
  - L6-250 Cu.In. ---------- .057-.071
  - V8-283, 327, 396 & 427 Cu.In. ---------- .073-.091 laminated

RESONATORS (V8-427 Cu.In. only)
- Type ---------- Straight through
- Cover ---------- .035 stainless steel
- Heads ---------- .047 stainless steel

TAIL PIPES
- Dimensions (O.D.) ----------1.875; V8-427-2.00
- Wall Thickness ---------- .062-.076

ENGINE VENTILATION
- All Engines ---------- Positive-type; Fresh air metered into the engine through the oil filler cap, air breather cap on V8-396 & 427. Unburned fumes drawn into the induction system, controlled by a regulating valve, and burned in the combustion chamber and expelled through the exhaust system.

AIR INJECTION REACTOR (California vehicles only)
- Injection System
  - Point of Entry ---------- Exhaust ports
  - Check Valve ---------- Pressure (plate type)
  - Back Fire Protection ---------- Vacuum actuated anti-backfire valve
- Air Injection Pump
  - Type ---------- Semi-articulated vane type
  - Drive ---------- Crankshaft pulley
  - Drive Ratio ---------- 1.25:1
  - Relief Valve ---------- Pressure (plate type)

LUBRICATION SYSTEM

GENERAL

- Type ---------- Controlled full pressure
  - Main Bearings ---------- Pressure
  - Connecting Rods ---------- Pressure
  - Piston Pins ---------- Splash
  - Cylinder Walls
    - L6-250 ------ Main and conn. rod bearing throwoff
    - V8-283, 327, 396 & 427 ---------- Pressure, jet cross sprayed
  - Camshaft Bearings ---------- Pressure
  - Valve Lifters ---------- Pressure
  - Rocker Arms ---------- Pressure
  - Timing Gears
    - L6 ---------- Nozzle sprayed
    - V8 ---------- Centrifugally oiled from front camshaft bearing
  - Oil Pressure Sending Unit
    - Type ---------- Electric
    - Actuation ------ Opens or closes circuit @ 2 to 6 PSI
  - Oil Filler
    - Cap
      - L6-250, V8-283 & 327 ---------- Oil wetted crimped aluminum breather
      - V8-396 & 427 ---------- Positive seal
    - Location
      - L6-250 ---------- Forward end of rocker cover
      - V8-283 & 327 ------- Left front of intake manifold
      - V8-396 & 427 ---- Top center of right rocker cover

CRANKCASE CAPACITIES (Quarts)

- Refill
  - L6-250, V8-283 & 327 ---------- 4
  - V8-396 & 427 ---------- 4
- Refill with Filter Change
  - L6-250, V8-283 & 327 ---------- 5
  - V8-396 & 427 ---------- 5

●LUBRICANT GRADES AND TEMPERATURES

- 32° F and Above ---------- SAE 30W or SAE 10W-30
- 0° F to 32° F ---------- SAE 10W or SAE 10W-30
- Below 0° F ---------- SAE 5W or SAE 5W-20
- Alternate ---------- SAE 5W-30 can be used at temperatures below freezing

OIL PUMP

- Type ---------- Gear
- Regulator Valve ---------- Opens between 40-45 lbs
- Oil Pressure (no flow conditions)
  - L6-250, V8-283 & 327 ------- 30-45 PSI @ 1500 RPM
  - V8-396 & 427 ---------- 50-75 PSI @ 2000 RPM
- Intake Type ---------- Fixed pickup with screen
- Capacity (GPM @ Engine RPM) (Theoretical)
  - L6-250 ---------- 4.3 @ 2000
  - V8-283 & 327 ---------- 4.3 @ 2000
  - V8-396 & 427 ---------- 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 DRAIN PLUG

- Type ---------- 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 & 427 ------- Right side, center direct to oil pan

COOLING SYSTEM

GENERAL

Type	Liquid, pressurized
Capacity with Heater (Standard Equipment)	
L6-250 Cu.In.	12 Qts
V8-283 Cu.In.	17 Qts
V8-327 Cu.In.	15 Qts
V8-396 Cu.In.	22 Qts
V8-427 Cu.In.	22 Qts

RADIATOR

Make and Type	Harrison, tube and center
Core Constant and Thickness	
Distance between Fins	
L6-250 Cu.In.	.28 (Syn) .22 (P/gld)
●V8-283 Cu.In.	.25 (Syn) .18 (P/gld)
V8-327 Cu.In.	.22 (Syn) .18 (P/gld)
V8-396 Cu.In.	.22
V8-427 Cu.In.	.22
Distance between Tubes	.55
Thickness of Core	
L6-250 Cu.In.	1.26
V8-283, 327 & 396 Cu.In.	1.26
V8-427 Cu.In.	1.75
Frontal Area (Sq.In.)	
L6-250 Cu.In.	323
V8-283 & 327 Cu.In.	357
V8-396 Cu.In.	429
V8-427 Cu.In.	429

RADIATOR, HEAVY DUTY (RPO V01)

Core Constant and Thickness	
Distance between Fins	
L6-250 Cu.In.	.22
V8-283 Cu.In.	.22 (Syn) .20 (P/gld)
V8-327 Cu.In.	.18 (Syn) .16 (P/gld)
V8-396 & 427 Cu.In.	.16
Distance between Tubes	.55
Thickness of Core	1.75
Frontal Area (Sq.In.)	
L6-250 Cu.In.	404
V8-283 & 327 Cu.In.	429
V8-396 & 427 Cu.In.	429

RADIATOR CAP RELIEF VALVE

Opens at	Approximately 15 PSI

THERMOSTAT

Type	Pellet
Begins to Open at	192°-198° for L6
	177°-188° for V8
Fully Opened at	227° for L6
	212° for V8
Thermostat By-Pass Hose (V8-396 & 427)	.745 ID

RADIATOR HOSE

Outlet, Lower (Radiator to Water Pump)	
L6-250, V8-283 & 327 Cu.In.	1.75 ID
V8-396 & 427 Cu.In.	1.88 ID
Inlet, Upper (Thermostat Hsg. to Radiator)	1.50 ID

FAN

Number of Blades	4
Diameter	17.62
Fan Pulley Pitch Diameter	7.00

BELTS, CRANKSHAFT, FAN AND GENERATOR

Number Used	One
Angle of "V"	38°-42°
Pitch Line	
L6-250 Cu.In.	39.00
V8-283 & 327 Cu.In.	53.25
V8-396 Cu.In.	56.20
V8-427 Cu.In.	56.20
Width	.380

WATER PUMP

Type	Centrifugal
Capacity	
L6-250 Cu.In.	60 GPM @ 4400 Engine RPM
V8-283 Cu.In.	54 GPM @ 4400 Engine RPM
V8-327 Cu.In.	57 GPM @ 4400 Engine RPM
V8-396 Cu.In.	82 GPM @ 5200 Engine RPM
V8-427 Cu.In.	82 GPM @ 5200 Engine RPM
Bearing	Permanently lubricated double row ball
Drive	Fan belt
Ratio (Pump to Engine RPM)	.949:1

DRAIN LOCATIONS AND TYPE

Radiator - Plug	
All Engines	Lower right side of radiator
Engine Block - Plug	
L6-250 Cu.In.	Left rear side
V8-283 & 327 Cu.In.	Right and left center
V8-396 & 427 Cu.In.	Left side - rear of block Right side - center of block

SUPPLY SYSTEM
- **BATTERY**
  - Voltage rating ---------- 12
  - Capacity (SAE)
    - L6-250 & V8-283 ---------- 45 Amp hr @ 20 hr rate
    - V8-327, 396 & 427 ---------- 61 Amp hr @ 20 hr rate
    - Heavy duty (RPO T60) ---- 70 Amp hr @ 20 hr rate
  - Total number of plates
    - L6-250 & V8-283 ---------- 54
    - V8-327, 396, 427 and Heavy duty ---------- 66
  - Number of cells ---------- 6
  - Terminal grounded ---------- Negative
  - Location ---------- Right front engine compartment

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

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

STARTING SYSTEM
- **STARTING MOTOR**
  - Rotation (drive end view) ---------- Clockwise
  - Test conditions ---------- Engine at operating temp.
  - No load test
    - Amps
      - L6-250 & V8-283 ---------- 58-87
      - V8-327 ---------- 65-100
      - V8-396 & 427 ---------- 70-99
    - Volts ---------- 10.6
    - RPM
      - L6-250 & V8-283 ---------- 8450-10700
      - V8-327 ---------- 3600-5100
      - V8-396 & 427 ---------- 7800-12000
  - Motor drive
    - Engagement ---------- Solenoid
    - Pinion meshes at ---------- Rear
    - Pinion tooth no. ---------- 9
    - Flywheel tooth no. ---------- 153; V8-396 & 427 — 168
  - Mounting
    - L6, V8-283 & 327 ---------- Bolted to cylinder block flange
    - V8-396 ---------- Bolted to clutch housing

IGNITION SYSTEM
- DISTRIBUTORS ---------- Refer to chart below

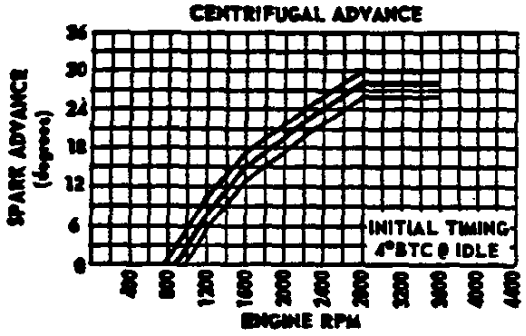
COIL
- Type ---------- 12-Volt
- Amperes drawn
  - Engine stopped ---------- 4.0
  - Engine idling ---------- 1.8

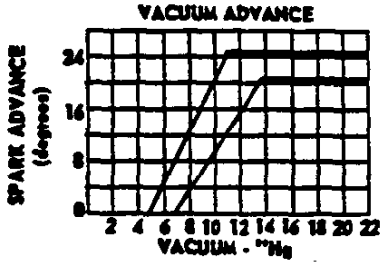
SPARK PLUGS
- Type
  - L6-250 ---------- AC 46N (Long reach)
  - V8-283 ---------- AC 45
  - V8-327 ---------- AC 44
  - V8-396 & 427 ---------- AC 43N
- Thread size (mm) ---------- 14
- Gap ---------- .033-.038
- Torque ---------- 25 lb ft

CABLE ---------- Linen core impregnated with electrical conducting material and insulation of rubber with neoprene jacket

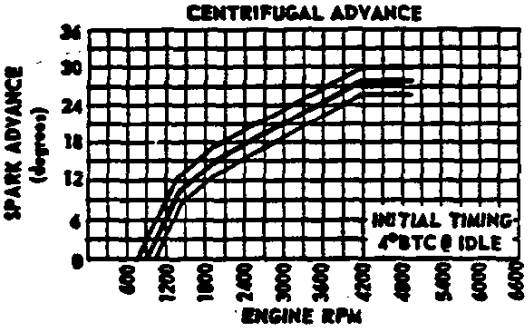
DISTRIBUTORS	L-6 250 Cu.In. 155 HP	V-8 283 Cu.In. 195 HP	V-8 327 Cu.In. 275 HP	V-8 396 Cu.In. 325 HP	V-8 427 Cu.In. 385 HP
Model	1110351	1111150	1111249	1111169	1111170
Type	Single Breaker				
Cam angle	31°-34°	28°-32°			
Breaker gap	.019 (new)				
Breaker arm tension	19-23 oz				@ 28-32 oz.
Centrifugal advance begins (RPM)	900				
Max degrees @ RPM	28 @ 2800	28 @ 4200	26 @ 4100	32 @ 5000	32 @ 5000
Vacuum advance begins (In. Hg)	6.00	8.00	8.00	8.00	7.00
Max degrees @ In. Hg	21 @ 14.5	15 @ 15.5	15 @ 15.5	15 @ 15.5	12 @ 12
Timing (initial design setting) Crankshaft degrees @ RPM (with vacuum line disconnected)	4° BTDC @ 500	4° BTDC @ 500	8° BTDC @ 500	4° BTDC @ 500	4° BTDC @ 550
Timing mark location	Harmonic balancer				

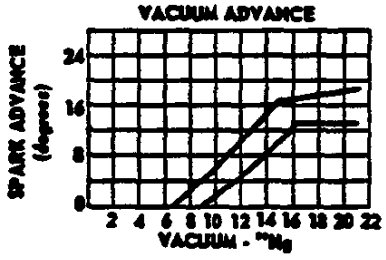
250 CUBIC INCH L-6 ENGINE



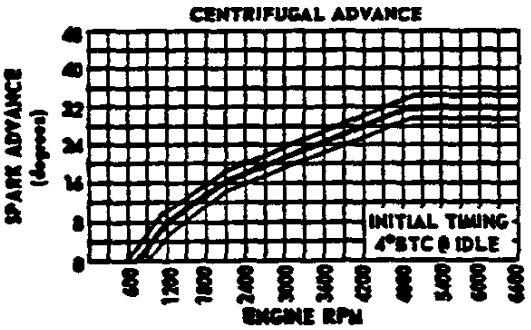


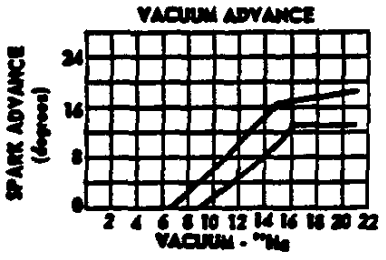
283 CUBIC INCH V-8 ENGINE



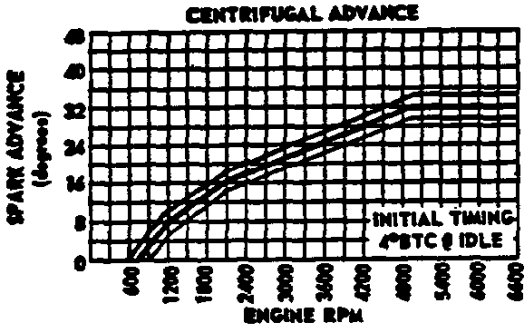


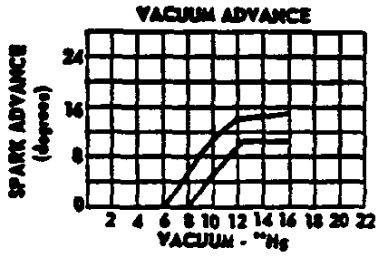
396 CUBIC INCH V-8 ENGINE

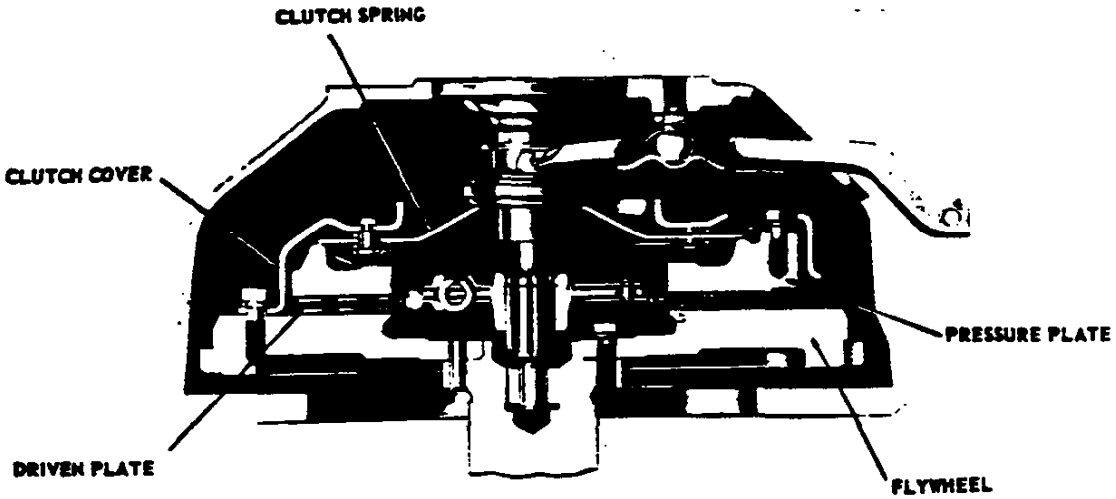




427 CUBIC INCH V-8 ENGINE



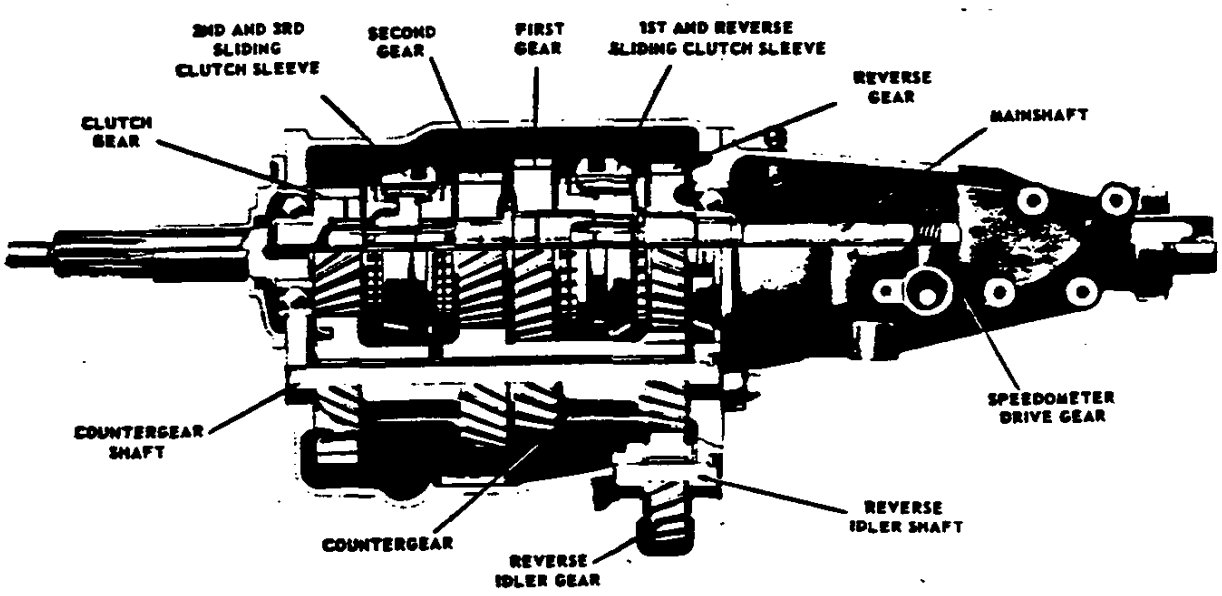




BENT FINGER DESIGN CLUTCH

Engine	Type - Cubic Inch		L6-250	V8-283	L6-250 V8-283	V8-283		V8-327		V8-396	V8-427
	Availability		Base		M01*	Base	Z04**	RPO L30	RPO M01	RPO L35	RPO L36
Clutch for			3-Speed			4-Speed	3-Speed & 4-Speed			H.D. 3-Speed & 4-Speed	
Type			Single dry disc			Single dry disc, centrifugal					
Clutch cover & pressure plate	Eff. plate load, lbs.		1650-1850	1750-2000	1700-1950	2100-2300			2450-2750		2600-2800
	Press. plate matl.		Cast Iron			Nodular Iron					
	Clutch spring type		Diaphragm			Diaphragm, bent finger design					
	Clutch spring matl.		Heat treated spring steel								
Driven plate	Type		Single disk with two friction surfaces								
	Cushions		Flat spring steel between friction rings								
	Damper		(a)	12 coil springs (6 sets of two)		10 coil springs (5 sets of two)					
	Friction ring	OD	9.12	10.0	11.0	10.4			11.0		
		ID	6.12	6.5	6.5	6.5			6.5		
		Total area sq.in.	71.82	90.71	123.70	103.53			123.7		
		Material	Woven asbestos								
Flywheel & Ring gear	Flywheel	Material	Cast Iron								
	Ring gear	Material	Heat treated steel								
		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								

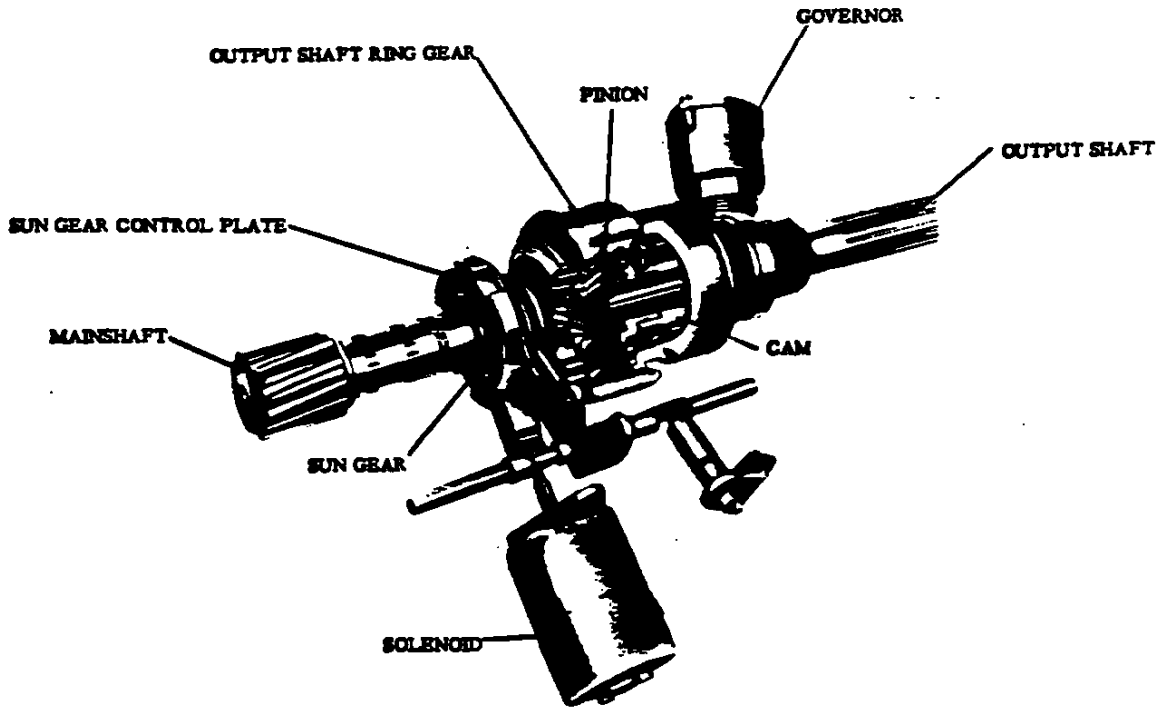
* M01 - Option for Heavy Duty Clutch
** Z04 - Option for Heavy Duty Chassis
(a) 6 outer coil springs and 3 inner coil springs equally spaced



3-SPEED HEAVY DUTY TRANSMISSION (RPO-M13)

3-SPEED AND 4-SPEED TRANSMISSIONS

Transmission Type			3-Speed			H.D. 3-Speed		4-Speed			
Engine Application	Type		L-6 250 C.I.	V-8 283 C.I.	V-8 327 C.I.	V-8 396 C.I.	V-8 427 C.I.	V-8 283 C.I.	V-8 327 C.I.	V-8 396 C.I.	V-8 427 C.I.
	Availability		Standard		RPO L30	RPO L35	RPO L36	Standard	RPO L30	RPO L35	RPO L36
Cast material			Cast iron							Aluminum	
Gear Shift	Type		Remote								
	Control		Lever								
	Location		Steering column					Floor			
Gears	Type		Helical								
	Material		Forged steel, hardened								
	Synchronization		All forward gears								
	Constant mesh gear		All gears					All forward gears			
	Sliding gears		None					Reverse			
	Ratios	First	2.85		2.54	2.41		3.11	2.54	2.52	2.20
		Second	1.68		1.50	1.57		2.20	1.80	1.88	1.64
		Third	1.00		1.00	1.00		1.47	1.44	1.47	1.27
		Fourth	.....		.....	.....		1.00	1.00	1.00	1.00
		Reverse	2.95		2.63	2.41		3.11	2.54	2.54	2.26
Lubricant	Type		Meeting Military Specifications MIL-L-2105-B								
	Capacity (pts)		3			3.5		3			
Expansion	Material		Cast iron							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-ridden by a downshift switch located at the carburetor and controlled by the accelerator pedal; over-riding achieved by trampingaccelerator.

Lubricant

Type ---------- Meeting Military Specification MIL-L-2105-B

Viscosity ---------- SAE 80

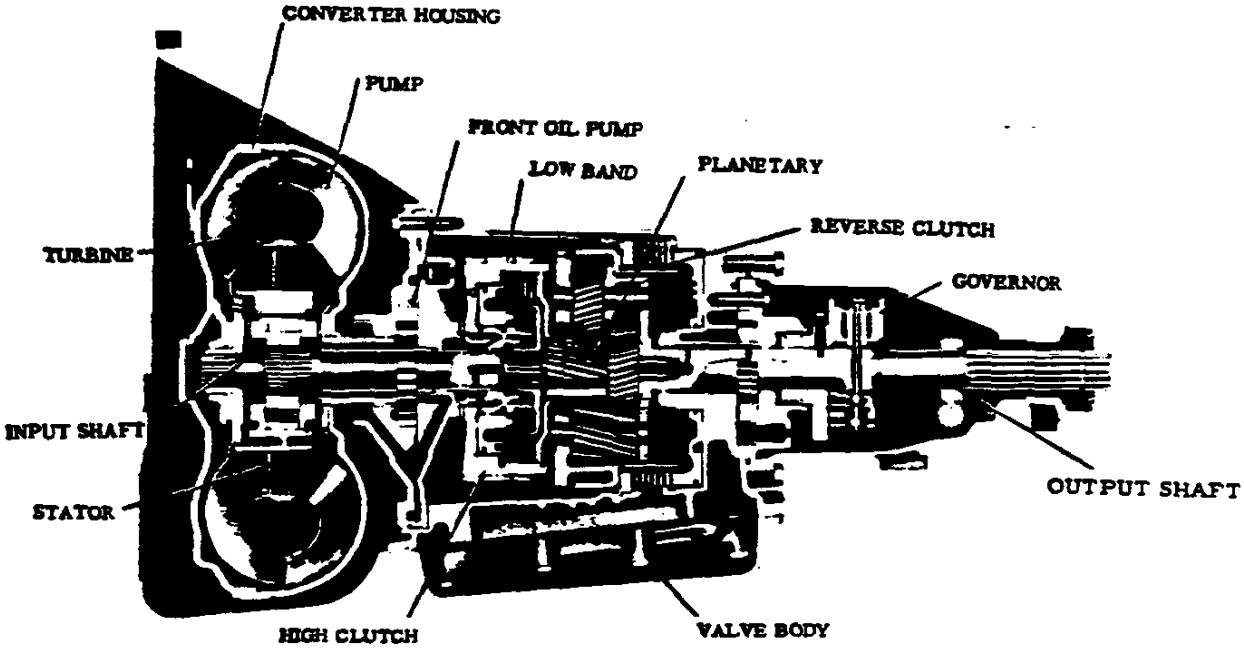
Capacity (pts) ---------- Total 3 pints, 2 for transmission, 1 for overdrive unit

Gear ratios with overdrive locked in

First	1.995
Second	1.176
Third	0.700

Output shaft RPM

Cut-in	1440
Cut-out	1100



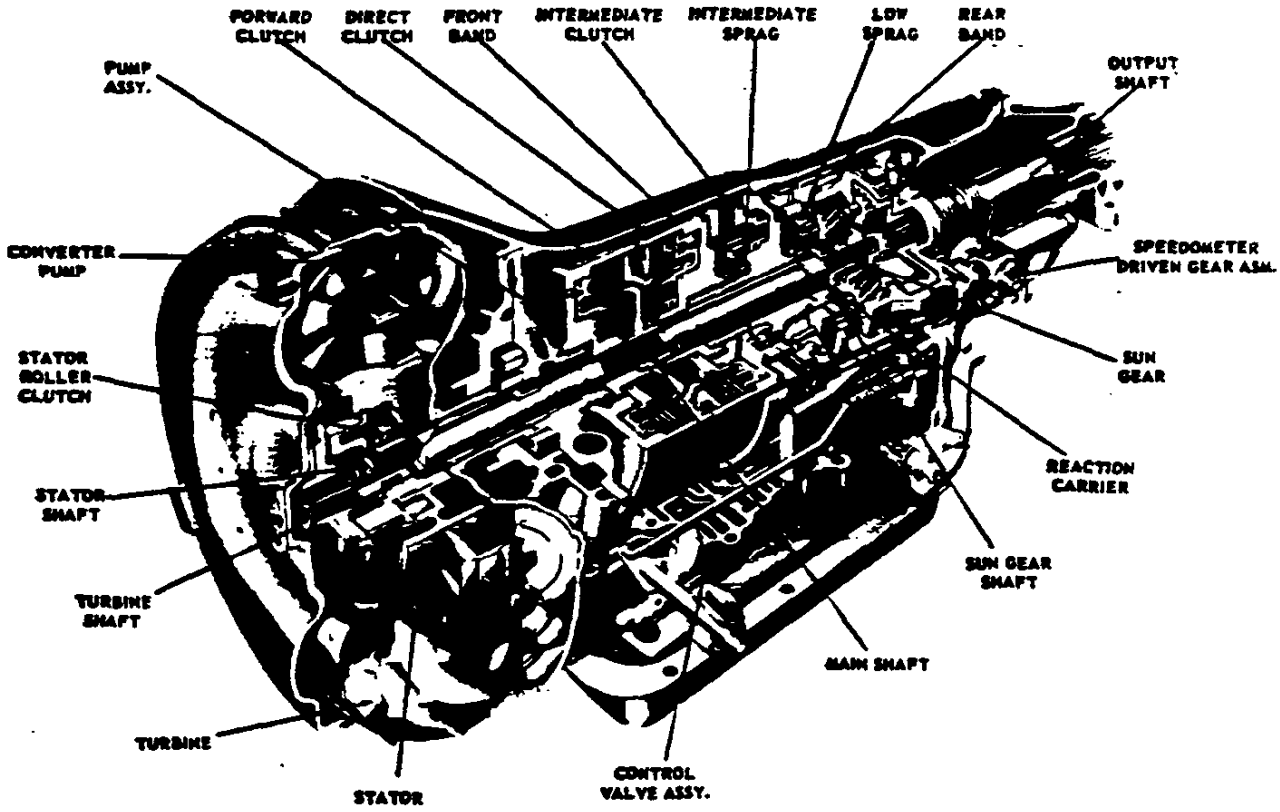
AUTOMATIC TRANSMISSION (RPO M35)

Engine	Type		L-6 250 Cu.In.	V-8 283 Cu.In.	V-8 327 Cu.In.	V-8 396 Cu.In.
	Availability		Standard		RPO L30	RPO L35
General data	Type		Automatic hydraulic torque converter with planetary gear system for low and reverse			
	Selector lever	Location	Steering column (a)			
		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		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	51	51
		Low	112	122	132	132
		Reverse	86	92	85	85
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.			
	Stator		Operation independent of cover and pump housing. Aluminum stir foil supported on a stationary sleeve by an over-running clutch of cam and roller design.			
	Stall torque ratio		2.10			
	Stall speed (RPM)		1620	1530	1680	1880
	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) Floor mounted when used with bucket seats.
(b) *Conditions: 450 RPM input @ 25 inches Hg vacuum.*

AUTOMATIC TRANSMISSION —CONTINUED

Engine	Type		L-6 250 Cu.In.	V-8 283 C.In.	V-8 327 Cu.In.	V-8 396 Cu.In.
	Availability		Standard		RPO L30	RPO L35
Output shaft RPM and vehicle speed (MPH)	N/V factor		42.9	42.9	39.4	39.2
	Upshift	Closed throttle	650(15)	650(15)	660(17)	660(17)
		Throttle at detent	1970(45)	2085(48)	2340(59)	2340(59)
		Full throttle	2285(55)	2405(56)	2740(65)	2740(70)
	Downshift	Closed throttle	605(14)	605(14)	610(16)	615(16)
		Throttle at detent	1220(28)	825(19)	882(22)	880(23)
		Full throttle	2185(50)	2270(53)	2583(66)	2585(65)
High clutch	Type		Multi-disc			
	Drive plates	Description	Waved steel with bonded organic facings			
		Number	3	4		
	Driven plates	Description	Flat steel			
		Number	4	5		
Reverse clutch	Type		Multi-disc			
	Drive plates	Description	Flat steel with bonded organic facings			
		Number	4	4	5	6
	Reaction plates	Description	Flat steel			
		Number	5	4	5	6
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	17		19	
		Refill	6		6.5	
Governor	Type		Centrifugal			
	Operation		Regulates pump oil pressure to automatic shift control valve			
	Drive		Mounted on output shaft			
	Location		In extension			
Oil pump	Type		Internal-external gear			
	Number		One; front			
	Function		To supply pressure			
	Drive		Converter pump			



TURBO HYDRA-MATIC TRANSMISSION (RPO M40)

(Available with 327 Cu.In., 396 Cu.In. and 427 Cu.In. engines 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; floor mounted on models using bucket seats

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 on 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 lever 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 shells

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

● Stall Ratio ---------- 2.30 (V8-327); 2.04 (V8-396 & 427)

Stall Speed (RPM)

V8-327 ---------- 2130

V8-396 ---------- 2110

V8-427 ---------- 2220

Diameter (Nominal) ---------- 12.83

TURBO HYDRA-MATIC TRANSMISSION—CONTINUED

CLUTCHES

Type ---------- Three, multiple disk
Material
Drive plates ---------- Waved steel with bonded organic facings
Driven plates ---------- Flat steel
Forward clutch ---------- Five each drive and driven plates
Direct clutch ---------- Five each drive and driven plates
Intermediate clutch ---------- Three each drive and driven 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 in. 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 engine 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

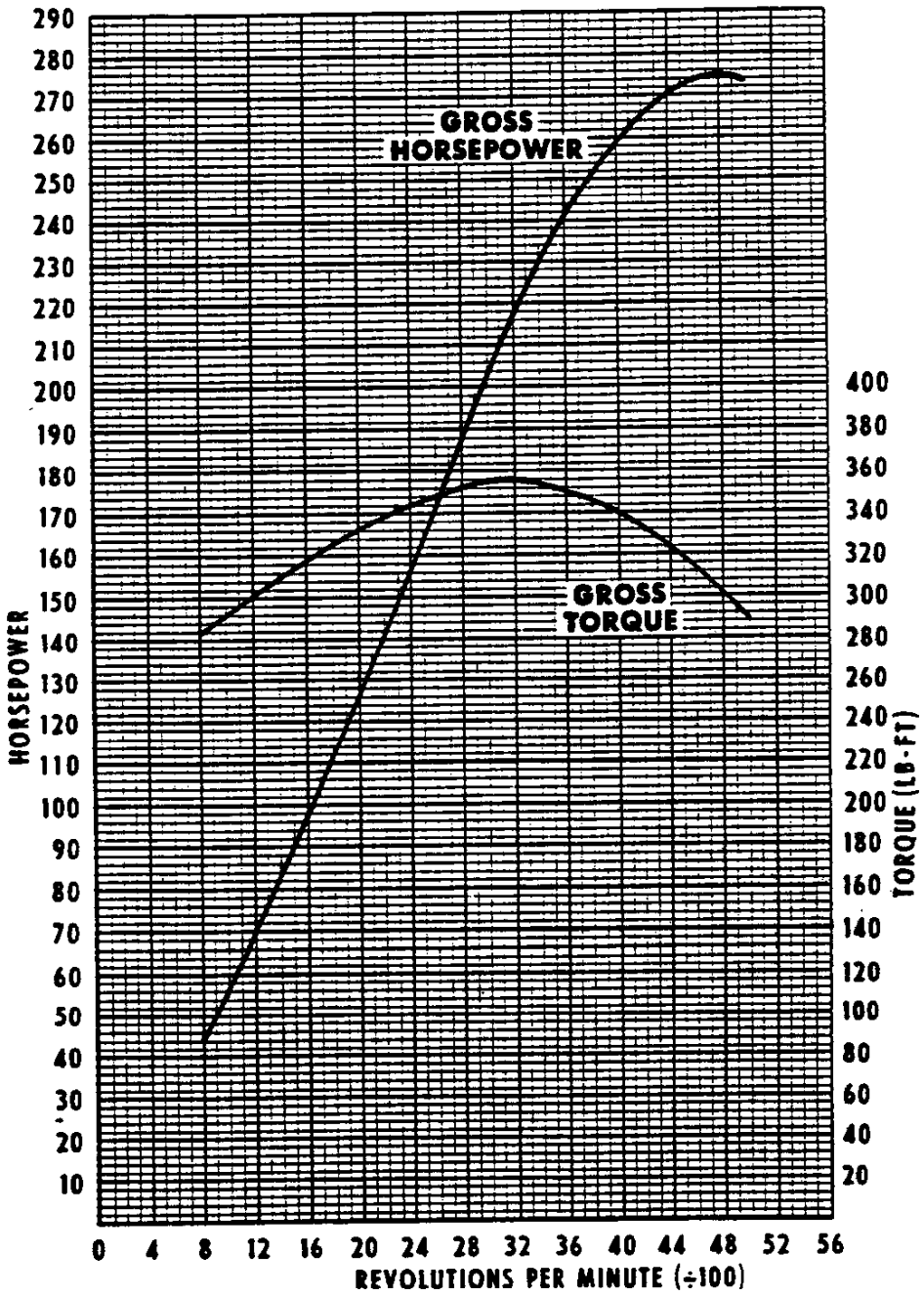
LUBRICANT

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

●TORQUE MULTIPLICATION

	V8-327	V8-396 & 427
Drive (maximum)	5.70:1 to 1.1	5.06:1 to 1.1
Low 2	5.70:1 to 1.48	5.06:1 to 1.48
Low 1	5.70:1 to 2.48	5.06:1 to 2.48
Reverse	4.78:1 to 2.08	4.24:1 to 2.08

1967 Turbo-Fire 327
Chevrolet RPO L30
4-Barrel Carburetor
327 CID



The data on this sheet are true as represented.
Engineering Center
Chevrolet Motor Division
General Motors Corporation

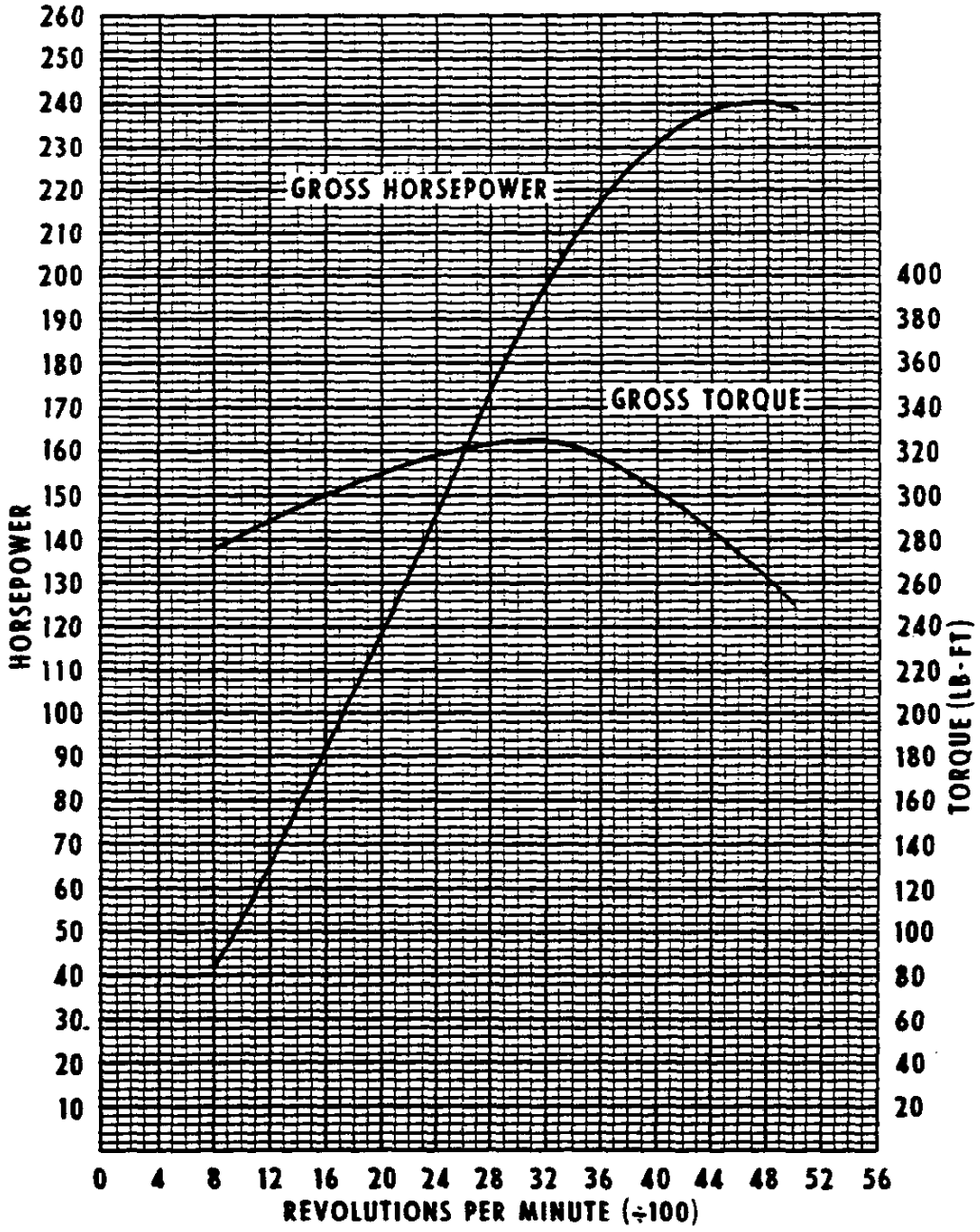
D. H. McPherson
Assistant Chief Engineer

State of Michigan
County of Macomb

On this 3rd day of October 1966 personally appeared before me D. H. McPherson, known to me to be such, who makes oath that the data on this sheet are true as represented.

Gerald C. Lind
Notary Public, Oakland County, Michigan
Acting in Macomb County, Michigan
My Commission Expires July 22, 1967

1967 Turbo-Fire 327
Chevrolet COPO V-8 Engine
4-Barrel Carburetor
327 CID



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Acting in Macomb County, Michigan
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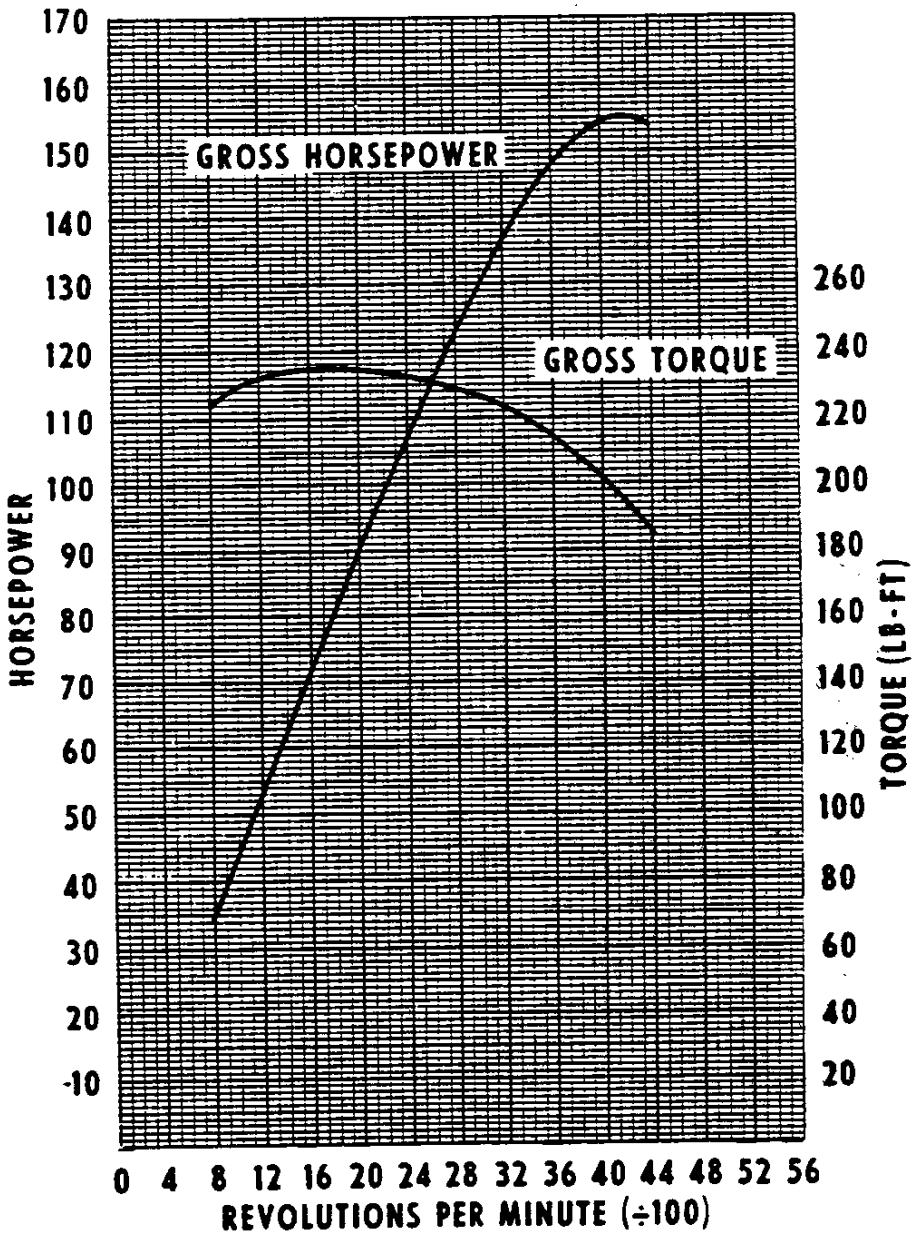
1967 Turbo-Thrift 250
Chevrolet Base L-6 Engine
1-Barrel Carburetor
250 CID



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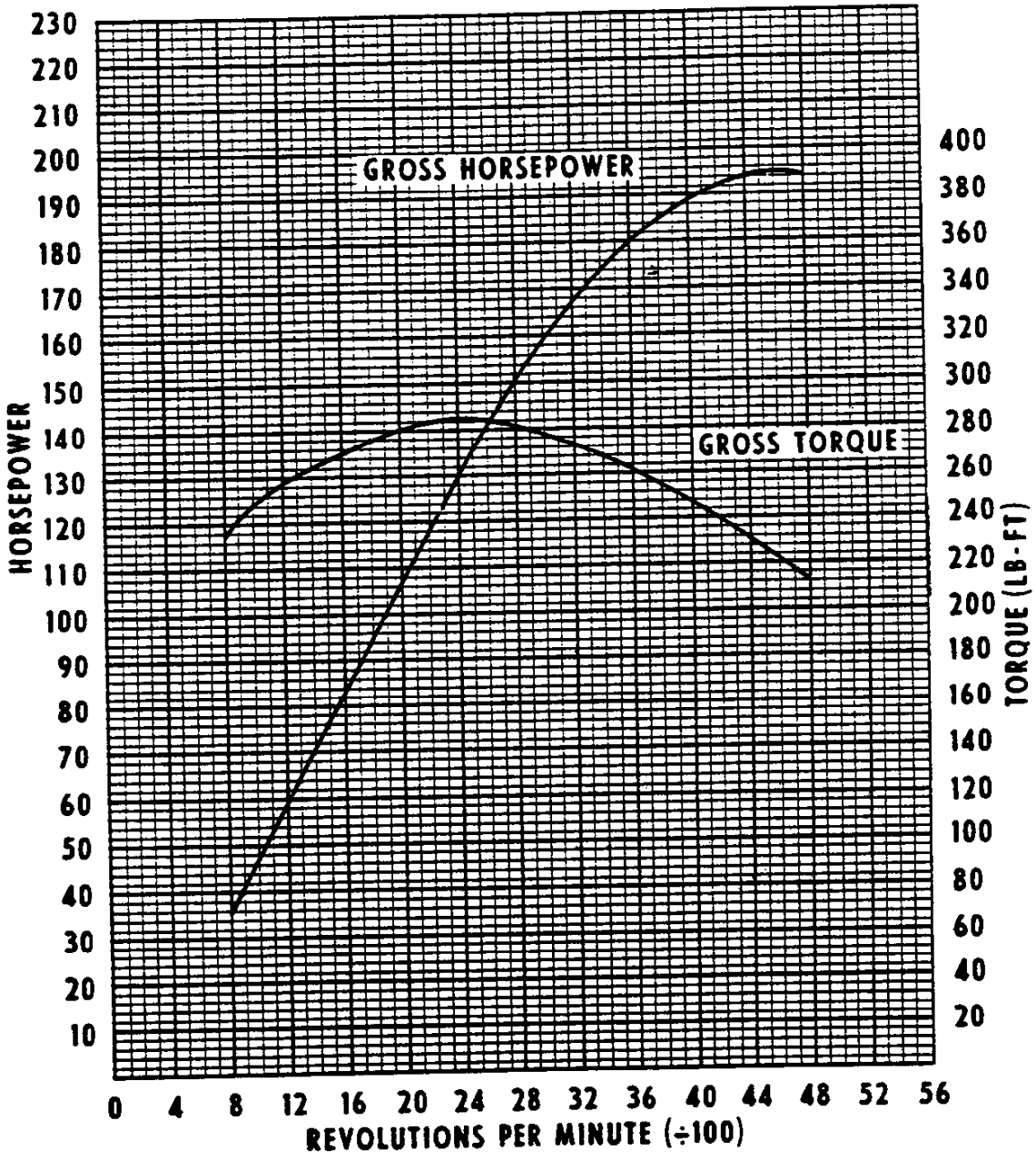
Gerald C. Lind
Notary Public, Oakland County, Michigan
Acting In Macomb County, Michigan
My Commission Expires July 22, 1967

1967 Turbo-Fire 283
Chevrolet Base V-8 Engine
2-Barrel Carburetor
283 CID



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Engineering Center
Chevrolet Motor Division
General Motors Corporation

D. H. McPherson
Assistant Chief Engineer

State of Michigan
County of Macomb

On this 25 day of August 1966 personally appeared before me D. H. McPherson, known to me to be such, who makes oath that the data on this sheet are true as represented.

Gerald C. Lind
Notary Public, Oakland County, Michigan
Acting in Macomb County, Michigan
My Commission Expires July 22, 1967

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED 11-27-6

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	15400-600; 16400-600; 16800		
			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V
Wheelbase (L101)			119.0		
Track	Front (W101)		62.5; Wagons 63.5		
	Rear (W102)		62.4; Wagons 63.4		
Maximum Overall Dimensions	Length (L103)		213.2; Wagons 212.4		
	Width (W103)		79.9		
	Height (H101)		Sedans 55.4 (a); Coupes 54.4; Conv. 55.3; Wagons 56.7		
Transmission (Specify trade name - opt., not available)	Manual - 3 speed	15	Standard	Heavy Duty - Optional	
	Manual - 4 speed	15	Optional		
	Overdrive	15	Not Available		
	Automatic	16	Powerglide and Turbo Hydra-matic	Powerglide and Turbo Hydra-matic	Turbo Hydra-mati
Axle ratio (See Page 4 for Optional Ratios)	Manual - 3 speed	17	3.36:1	3.31:1	
	Manual - 4 speed	17	3.36:1	3.31:1	
	Overdrive	17	Not Available		
	Automatic	17	P.Gld 3.08:1 St.Wag. 3.36:1 Turbo Hydra-m. 2.73:1	P/Gld 3.07:1 Turbo Hydra-m.2.73:1	2.73:1
Tire size		18	8.25 x 14 except Wagons; 8.55 x 14 Wagons		
Engine	Type, no. cyl., valve arr.	3	90° OHV V-8		
	Fuel system (Carb., other)	10	Carburetor		
	Bore and stroke	3	4.00 x 3.25	4.094 x 3.76	4.251 x 3.76
	Piston displ., cu. in.	3	327	396	427
	Std. compression ratio	3	10.0:1	10.25:1	
	Max. bhp at engine rpm	3	275 @ 4800	325 @ 4800	385 @ 5200
	Max. torque at rpm	3	355 @ 3200	410 @ 3200	460 @ 3400

(a) Sport Sedan 54.5

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED 11-27-6

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL		Additional Information Page No.:	15400-600; 16400-600; 16800		
			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V
Wheelbase (L101)			119.0		
Track	Front (W101)		62.5; Wagons 63.5		
	Rear (W102)		62.4; Wagons 63.4		
Maximum Overall Dimensions	Length (L103)		213.2; Wagons 212.4		
	Width (W103)		79.9		
	Height (H101)		Sedans 55.4 (a); Coupes 54.4; Conv. 55.3; Wagons 56.7		
Transmission (Specify trade name - opt., not available)	Manual - 3 speed	15	Standard	Heavy Duty - Optional	
	Manual - 4 speed	15	Optional		
	Overdrive	15	Not Available		
	Automatic	16	Powerglide and Turbo Hydra-matic	Powerglide and Turbo Hydra-matic	Turbo Hydra-mati
Axle ratio (See Page 4 for Optional Ratios)	Manual - 3 speed	17	3.36:1	3.31:1	
	Manual - 4 speed	17	3.36:1	3.31:1	
	Overdrive	17	Not Available		
	Automatic	17	P.Gld 3.08:1 St.Wag. 3.36:1 Turbo Hydra-m. 2.73:1	P/Gld 3.07:1 Turbo Hydra-m.2.73:1	2.73:1
Tire size		18	8.25 x 14 except Wagons; 8.55 x 14 Wagons		
Engine	Type, no. cyl., valve arr.	3	90° OHV V-8		
	Fuel system (Carb., other)	10	Carburetor		
	Bore and stroke	3	4.00 x 3.25	4.094 x 3.76	4.251 x 3.76
	Piston displ., cu. in.	3	327	396	427
	Std. compression ratio	3	10.0:1	10.25:1	
	Max. bhp at engine rpm	3	275 @ 4800	325 @ 4800	385 @ 5200
	Max. torque at rpm	3	355 @ 3200	410 @ 3200	460 @ 3400

(a) Sport Sedan 54.5

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (a)

MODEL		327 Cu. In. V-8	15400-600; 16400-600; 16800 396 Cu. In. V-8	427 Cu. In. V-8
ENGINE—GENERAL				
Type, no. cyls., valve arr.		90° OHV V-8		
Bore and stroke (nominal)		4.00 x 3.25	4.094 x 3.76	4.251 x 3.76
Piston displacement, cu. in.		327	396	427
Bore spacing (C/L to C/L)		4.4	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)		10.00:1	10.25:1	
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 horsepower $\frac{Dia^2 x No.Cyl.}{2.5}$		51.2	53.6	57.8
Publishing max. bhp* @ eng. RPM		275 @ 4800	325 @ 4800	385 @ 5200
Publishing max. torque* (lb. ft. @ RPM)		355 @ 3200	410 @ 3200	460 @ 3400
Recommended fuel regular - premium		Premium		
Idle speed(spec. neutral or drive)	Manual	500 (In Neutral)		550 (In Neutral)
	Automatic	500 (In Drive)		550 (In Drive)
ENGINE—PISTONS				
Material		Cast Aluminum Alloy		
Description and finish		Flat Head, Notched; Slipper Skirt	Domed Head, Valve Cutout; Slipper Skirt	
Weight (piston only) oz.		21.60	24.80	28.00
Clearance (limits)	Top land	.0365 - .0455	.0305 - .0375	
	Skirt Top	.0005 - .0011(a)	.0007 - .0013 (b)	.0009 - .0015 (c)
	Skirt Bottom		- - - - -	
Ring groove depth	No. 1 ring	.2217 - .2283	.2253 - .2318	.2348 - .2413
	No. 2 ring	.2217 - .2283	.2253 - .2318	.2348 - .2413
	No. 3 ring	.2038 - .2103	.2098 - .2168	.2183 - .2248
	No. 4 ring			

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

(a) Measured 2.24 from top of piston
(b) Measured 1.95 from top of piston
(c) Measured 1.89 from top of piston

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (a)

MODEL 15400-600; 16400-600; 16800

ENGINE—GENERAL

		327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
Type, no. cyls., valve arr.		90° OHV V-8		
Bore and stroke (nominal)		4.00 x 3.25	4.094 x 3.76	4.251 x 3.76
Piston displacement, cu. in.		327	396	427
Bore spacing (C/L to C/L)		4.4	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)		10.00:1	10.25:1	
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 horsepower $\frac{Dia^2 \times No.Cyl.}{2.5}$		51.2	53.6	57.8
Publishing max. bhp* @ eng. RPM		275 @ 4800	325 @ 4800	385 @ 5200
Publishing max. torque* (lb. ft. @ RPM)		355 @ 3200	410 @ 3200	460 @ 3400
Recommended fuel regular - premium		Premium		
Idle speed(spec. neutral or drive)	Manual	500 (In Neutral)		550 (In Neutral)
	Automatic	500 (In Drive)		550 (In Drive)

ENGINE—PISTONS

Material			Cast Aluminum Alloy		
Description and finish			Flat Head, Notched; Slipper Skirt	Domed Head, Valve Cutout; Slipper Skirt	
Weight (piston only) oz.			21.60	24.80	28.00
Clearance (limits)	Top land		.0365 - .0455	.0305 - .0375	
	Skirt	Top	.0005 - .0011(a)	.0007 - .0013 (b)	.0009 - .0015 (c)
		Bottom	— — — — —		
Ring groove depth	No. 1 ring		.2217 - .2283	.2253 - .2318	.2348 - .2413
	No. 2 ring		.2217 - .2283	.2253 - .2318	.2348 - .2413
	No. 3 ring		.2038 - .2103	.2098 - .2168	.2183 - .2248
	No. 4 ring				

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

(a) Measured 2.24 from top of piston
(b) Measured 1.95 from top of piston
(c) Measured 1.89 from top of piston

AMA Specifications—Passenger Car

Page 5

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (a)

MODEL

		327 Cu. In. V-8	15400-600; 16400-600; 16800 396 Cu. In. V-8	427 Cu. In. V-8
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, coating, etc. Upper	Cast Alloy Iron - Chrome plating on 327; Moly inlay on 396 & 427		
	Description - material, coating, etc. Lower	Cast Alloy Iron - Wear Resistant coating (b)		
	Width	(c)	.0770 - .0775	
	Gap	.013 - .023	.010 - .020	
Oil	Description - material, coating, etc.	Multi-piece (2 rails and one spacer expander) Rails - steel, chrome plated OD; Expanders - stainless steel		
	Width	.1870-.1890 (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		
	Bushing: Material	None		
Clearance	In piston	--		
	In rod	.00015-.00025	.00025-.00035	
Direction & amount offset in piston		Major thrustside .055-.065		
ENGINE—CONNECTING RODS				
Material		Drop forged steel		
Weight (oz.)		14.56	27.84	
Length (center to center)		5.699-5.701	6.130-6.140	
Bearing	Material & Type	Premium aluminum		
	Overall length	.807	.857	
	Clearance (limits)	.0007-.0027	.0009-.0029	
	End play	.009-.013	.016-.020	

(a) 327 Cu. In. Inside bevel, tapered face; 396 & 427 no bevel, barrel face
(b) Inside bevel and tapered face
(c) Upper .0775-.0780; lower .0770-.0775

AMA Specifications—Passenger Car

Page 5

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (a)

MODEL 15400-600; 16400-600; 16800

ENGINE—RINGS

		327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
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, coating, etc. Upper	Cast Alloy Iron - Chrome plating on 327; Moly inlay on 396 & 427		
	Description - material, coating, etc. Lower	Cast Alloy Iron - Wear Resistant coating (b)		
	Width	(c)	.0770 - .0775	
	Gap	.013 - .023	.010 - .020	
Oil	Description - material, coating, etc.	Multi-piece (2 rails and one spacer expander) Rails - steel, chrome plated OD; Expanders - stainless steel		
	Width	.1870-.1890 (assembled)		
	Gap	.015-.055	.010-.030	
Expanders		In oil ring assembly		

ENGINE—PISTON PINS

			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
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	None		
Clearance	In piston		--		
	In rod		.00015-.00025	.00025-.00035	
Direction & amount offset in piston			Major thrustside .055-.065		

ENGINE—CONNECTING RODS

		327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
Material		Drop forged steel		
Weight (oz.)		14.56	27.84	
Length (center to center)		5.699-5.701	6.130-6.140	
Bearing	Material & Type	Premium aluminum		
	Overall length	.807	.857	
	Clearance (limits)	.0007-.0027	.0009-.0029	
	End play	.009-.013	.016-.020	

(a) 327 Cu. In. Inside bevel, tapered face; 396 & 427 no bevel, barrel face
(b) Inside bevel and tapered face
(c) Upper .0775-.0780; lower .0770-.0775

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED ( )

MODEL 15400-600; 16400-600; 16800

			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
ENGINE—VALVE SYSTEM (cont.)					
Timing (Including Ramps)	Intake	Opens (°BTC)	38°	40°	56°
		Closes (°ABC)	92°	102°	114°
		Duration - deg.	310°	322°	350°
	Exhaust	Opens (°BBC)	88°	87°	110°
		Closes (°ATC)	52°	55°	62°
		Duration - deg.	320°	322°	352°
	Valve opening overlap		90°	95°	118°
Intake	Material		Alloy Steel		
	Overall length		4.870-4.889	5.215-5.235	
	Actual overall head dia.		1.935-1.945	2.060-2.070	
	Angle of seat & face		46° (Seat) 45° (Face)		
	Seat insert material		None		
	Stem diameter		.3410-.3417	.3715-.3722	
	Stem to guide clearance		.0010-.0027		
	Lift (@zero lash)		.3900	.3983	.4614
	Outer spring press. and length	Valve closed (lb. @ in.)	76-84 @ 1.70	94-106 @ 1.88	
		Valve open (lb. @ in.)	194-206 @ 1.25	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		
	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	.3713-.3720	
	Stem to guide clearance		.0010-.0027	.0015-.0032	
	Lift (@zero lash)		.4100	.3983	.4800
	Outer spring press. and length	Valve closed (lb. @ in.)	76-84 @ 1.70	94-106 @ 1.88	
		Valve open (lb. @ in.)	194-206 @ 1.25	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, nozzle)	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

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED

MODEL 15400-600; 16400-600; 16800

ENGINE—VALVE SYSTEM (cont.)

			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
Timing (Including Ramps)	Intake	Opens (°BTC)	38°	40°	56°
		Closes (°ABC)	92°	102°	114°
		Duration-deg.	310°	322°	350°
	Exhaust	Opens (°BBC)	88°	87°	110°
		Closes (°ATC)	52°	55°	62°
		Duration-deg.	320°	322°	352°
	Valve opening overlap		90°	95°	118°
Intake	Material		Alloy Steel		
	Overall length		4.870-4.889	5.215-5.235	
	Actual overall head dia.		1.935-1.945	2.060-2.070	
	Angle of seat & face		46° (Seat) 45° (Face)		
	Seat insert material		None		
	Stem diameter		.3410-.3417	.3715-.3722	
	Stem to guide clearance		.0010-.0027		
	Lift (@zero lash)		.3900	.3983	.4614
	Outer spring press. and length	Valve closed (lb. @ in.)	76-84 @ 1.70	94-106 @ 1.88	
		Valve open (lb. @ in.)	194-206 @ 1.25	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		
	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	.3713-.3720	
	Stem to guide clearance		.0010-.0027	.0015-.0032	
	Lift (@zero lash)		.4100	.3983	.4800
	Outer spring press. and length	Valve closed (lb. @ in.)	76-84 @ 1.70	94-106 @ 1.88	
		Valve open (lb. @ in.)	194-206 @ 1.25	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, nozzle)	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

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*)

MODEL	327 Cu. In. V-8		396 Cu. In. V-8		427 Cu. In. V-8	
	Mnl.Trn.	Auto.	Mnl.Trn.	Auto..	Mnl.Trn.	Auto.

ENGINE—EXHAUST EMISSION CONTROL

Type (Air injection, engine modifications, other)			Air Injection				
Air Injection Pump	Type		Semi-articulated vane type				
	Displacement		19.3 Cu. In.				
	Drive ratio		1.25:1				
	Drive type		Crankshaft Pulley				
	Relief valve (type)		Pressure (plate type)				
	Filter (describe)		None (clean air drawn from air cleaner)				
Air Injection System	Air distribution (head, manifold, etc.)		Manifold				
	Point of entry		Exhaust Ports				
	Injection tube I.D.		.2565				
	Check valve type		Pressure (plate type)				
	Backfire protection (type)		Vacuum actuated anti-backfire valve				
Carburetor	Make		Rochester				
	Model		7037213	7037212	7037211	7037210	7037211	7037210
	Barrel size		1.38 Primary; 2.25 Secondary				
	Idle speed	Drive	--	600	--	500	--	550
		Neutral	700	--	700	--	700	--
Distributor	Aux. Adv. Systems (type)		None				
	Make		Delco-Remy				
	Model		1111150		1111169		
	Cent'fgal adv. in crank degrees @ eng. rpm.	Start (rpm)	900		900		
		Intermed. points deg. @ rpm	15 @ 2000		17 @ 2000		
		Max. deg.@rpm.	28 @ 4200		32 @ 5000		
	Vacuum adv. in. crank degrees@ eng. rpm	Start (in Hg)	8		8		
		Intermed. points deg.@ in. Hg	None		None		
		Max. deg.@ in.	15 @ 15.5		15 @ 15.5		
	Vacuum Source		Carburetor				
Timing - Crank degrees @ rpm			6 BTDC @ Idle (a)		4 BTDC @ Idle (b)		
Cooling System (describe changes)			195° Thermostat				
Exhaust System (describe changes)			None				

(a) 6°-10° BTDC when used with automatic transmission

(b) 4°-10° BTDC when used with automatic transmission

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*)

MODEL

ENGINE—EXHAUST EMISSION CONTROL

			327 Cu. In. V-8		396 Cu. In. V-8		427 Cu. In. V-8	
			Mnl.Trn.	Auto.	Mnl.Trn.	Auto..	Mnl.Trn.	Auto.
Type (Air injection, engine modifications, other)			Air Injection					
Air Injection Pump	Type		Semi-articulated vane type					
	Displacement		19.3 Cu. In.					
	Drive ratio		1.25:1					
	Drive type		Crankshaft Pulley					
	Relief valve (type)		Pressure (plate type)					
	Filter (describe)		None (clean air drawn from air cleaner)					
Air Injection System	Air distribution (head, manifold, etc.)		Manifold					
	Point of entry		Exhaust Ports					
	Injection tube I.D.		.2565					
	Check valve type		Pressure (plate type)					
	Backfire protection (type)		Vacuum actuated anti-backfire valve					
Carburetor	Make		Rochester					
	Model		7037213	7037212	7037211	7037210	7037211	7037210
	Barrel size		1.38 Primary; 2.25 Secondary					
	Idle speed	Drive	--	600	--	500	--	550
		Neutral	700	--	700	--	700	--
Distributor	Aux. Adv. Systems (type)		None					
	Make		Delco-Remy					
	Model		1111150		1111169			
	Cent'fgal adv. in crank degrees @ eng. rpm.	Start (rpm)	900		900			
		Intermed. points deg. @ rpm	15 @ 2000		17 @ 2000			
		Max. deg.@rpm.	28 @ 4200		32 @ 5000			
	Vacuum adv. in. crank degrees@ eng. rpm	Start (in Hg)	8		8			
		Intermed. points deg.@ in. Hg	None		None			
		Max. deg.@ in.	15 @ 15.5		15 @ 15.5			
	Vacuum Source		Carburetor					
Timing - Crank degrees @ rpm			6 BTDC @ Idle (a)		4 BTDC @ Idle (b)			
Cooling System (describe changes)			195° Thermostat					
Exhaust System (describe changes)			None					

(a) 6°-10° BTDC when used with automatic transmission

(b) 4°-10° BTDC when used with automatic transmission

AMA Specifications—Passenger Car

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MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*)

MODEL 15400-600; 16400-600; 16800

ENGINE—COOLING SYSTEM

			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-S
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 and center		
Cooling system capacity	With heater (qt.)		15	22	22
	Without heater (qt.)		14	21	21
	Opt. equipment-specify (qt.)		16	22	22
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		
	By-pass	Number and type (molded, straight)	None	One, molded	
		Inside diameter	--	.725-.765	
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		A	D	
	Generator or alternator		A	D	
	Water Pump		A	D	
	Power Steering		B	E	
	Air Conditioning		C	F	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V					38° - 42°						
Nominal length (SAE)	53.25	35.00	57.50	56.20	37.30	60.75					
Width					.380						

AMA Specifications—Passenger Car

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MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*)

MODEL 15400-600; 16400-600; 16800

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 and center		
Cooling system capacity	With heater (qt.)	15	22	22
	Without heater (qt.)	14	21	21
	Opt. equipment-specify (qt.)	16	22	22
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		
	Lower — Inside diameter	1.75	1.88	
	Upper — Number and type (molded, straight)	One, molded		
	Upper — Inside diameter	1.50		
	By-pass — Number and type (molded, straight)	None	One, molded	
	By-pass — Inside diameter	--	.725-.765	
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	A	D	
	Generator or alternator	A	D	
	Water Pump	A	D	
	Power Steering	B	E	
	Air Conditioning	C	F	

* Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V					38° - 42°						
Nominal length (SAE)	53.25	35.00	57.50	56.20	37.30	60.75					
Width					.380						

Form Rev. 4-65

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MODEL 15400-600; 16400-600; 16800

ELECTRICAL—STARTING SYSTEM (cont.)

				327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
Motor Drive	Engagement type			Positive shift solenoid		
	Pinion meshes (front, rear)			Rear		
	Number of teeth	Pinion		9		
		Flywheel	Manual	153	168	
			Auto.	153	168	
	Flywheel tooth face width		Manual	.4010-.4130	.4100-.4220	
			Auto.	.4010-.4130	.4100-.4220	

ELECTRICAL—IGNITION SYSTEM

			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
Coil	Transistorized - Std., Opt., N.A.		Not available		
	Make		Delco-Remy		
	Model ●		#1115270	#1115267	
	Amps	Engine stopped	4.0		
		Engine idling	1.8		
Distributor	Make		Delco-Remy		
	Model		1111249	1111169	1111170
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	900	900	900
		Intermediate points deg. @ rpm.	11 @ 1500	17 @ 2000	17 @ 2000
		Max. deg. @ rpm.	26 @ 4100	32 @ 5000	32 @ 5000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)	8.00	8.00	7.00
		Intermediate points, deg. @ in. Hg.	None		
		Max. deg. in. Hg.	15 @ 15.5	15 @ 15.5	12 @ 12
	Breaker gap (in.)		.019		
	Cam angle (deg.)		28°-32°		
	Breaker arm tension (oz.)		19-23 oz		● 28-32 oz
Timing	Crankshaft deg. @ rpm.		8 BTDC @ 500	4 BTDC @ 500	4 BTDC @ 550
	Mark location		Torsional Damper		
Spark Plug	Make		AC Spark Plug		
	Model		AC44	AC43N	
	Thread (mm)		14		
	Tightening torque (lb. ft.)		25		
	Gap		.033-.038		
Cable	Conductor type		Linen core impregnated with electrical conducting materia		
	Insulation type		Rubber with neoprene jacket		
	Spark plug protector		Neoprene		

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MODEL 15400-600; 16400-600; 16800

				327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8

ELECTRICAL—STARTING SYSTEM (cont.)

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

ELECTRICAL—IGNITION SYSTEM

Coil	Transistorized - Std., Opt., N.A.			Not available	
	Make			Delco-Remy	
	Model		●	#1115270	#1115267
	Amps	Engine stopped		4.0	
		Engine idling		1.8	
Distributor	Make			Delco-Remy	
	Model			1111249	1111169 / 1111170
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)		900	900 / 900
		Intermediate points deg. @ rpm.		11 @ 1500	17 @ 2000 / 17 @ 2000
		Max. deg. @ rpm.		26 @ 4100	32 @ 5000 / 32 @ 5000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in. Hg.)		8.00	8.00 / 7.00
		Intermediate points, deg. @ in. Hg.		None	
		Max. deg. in. Hg.		15 @ 15.5	15 @ 15.5 / 12 @ 12
	Breaker gap (in.)			.019	
	Cam angle (deg.)			28°-32°	
	Breaker arm tension (oz.)			19-23 oz	● 28-32 oz
Timing	Crankshaft deg. @ rpm.			8 BTDC @ 500	4 BTDC @ 500 / 4 BTDC @ 550
	Mark location			Torsional Damper	
Spark Plug	Make			AC Spark Plug	
	Model			AC44	AC43N
	Thread (mm)			14	
	Tightening torque (lb. ft.)			25	
	Gap			.033-.038	
Cable	Conductor type			Linen core impregnated with electrical conducting materia	
	Insulation type			Rubber with neoprene jacket	
	Spark plug protector			Neoprene	

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MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (e)

MODEL 15400-600; 16400-600; 16800

	327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8

DRIVE UNITS—TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard	Heavy Duty 3-Speed (Opt)
Manual 4-speed (std. or opt.)	Optional	
Manual with overdrive (std. or opt.)	Not Available	
Automatic (std. or opt.)	Powerglide - optional with 327 and 396 Cu. In. Turbo Hydra-matic optional with 396 and 427 Cu. In.	

DRIVE UNITS— MANUAL TRANSMISSION

Number of forward speeds		3-Spd	4-Spd	HD 3-Spd	4-Spd	HD 3-Spd	4-Spd	
		3	4	3	4	3	4	
Transmission ratios	In first	2.54	2.54	2.41	2.52	2.41.	2.52	2.2
	In second	1.50	1.80	1.57	1.88	1.57	1.88	1.6
	In third	1.00	1.44	1.00	1.47	1.00	1.47	1.2
	In fourth	--	1.00	--	1.00	--	1.00	1.0
	In reverse	2.63	2.54	2.41	2.59	2.41	2.59	2.2
Synchronous meshing, specify gears		All forward gears						
Shift lever location		3-Speed, steering column; 4-speed, floor						
Lubricant	Capacity (pt.)	3.5 pints on 3-Speed H.D.; 3 pints for 3 & 4-Speed						
	Type recommended	Military Spec. MIL-L-2105-B						
	SAE viscosity number — Summer	SAE-80						
	SAE viscosity number — Winter	SAE-80						
	SAE viscosity number — Extreme cold	SAE-80						

DRIVE UNITS— MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Type (planetary or other)		
Manual lockout (yes, no)		
Downshift accelerator control (yes, no)		
Minimum cut-in speed	Not	
Gear ratio		
Lubricant	Capacity (pt.) (Overdrive only)	Available
	Separate filler (yes, no)	
	Type recommended	
	SAE viscosity number — Summer	
	SAE viscosity number — Winter	
	SAE viscosity number — Extreme cold	

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MODEL 15400-600; 16400-600; 16800

	327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8

DRIVE UNITS—TRANSMISSIONS

Manual 3-speed (std. or opt.)	Standard / Heavy Duty 3-Speed (Opt)
Manual 4-speed (std. or opt.)	Optional
Manual with overdrive (std. or opt.)	Not Available
Automatic (std. or opt.)	Powerglide - optional with 327 and 396 Cu. In. Turbo Hydra-matic optional with 396 and 427 Cu. In.

DRIVE UNITS— MANUAL TRANSMISSION

			3-Spd	4-Spd	HD 3-Spd	4-Spd	HD 3-Spd	4-Spd	
Number of forward speeds			3	4	3	4	3	4	
Transmission ratios	In first		2.54	2.54	2.41	2.52	2.41.	2.52	2.2
	In second		1.50	1.80	1.57	1.88	1.57	1.88	1.6
	In third		1.00	1.44	1.00	1.47	1.00	1.47	1.2
	In fourth		--	1.00	--	1.00	--	1.00	1.0
	In reverse		2.63	2.54	2.41	2.59	2.41	2.59	2.2
Synchronous meshing, specify gears			All forward gears						
Shift lever location			3-Speed, steering column; 4-speed, floor						
Lubricant	Capacity (pt.)		3.5 pints on 3-Speed H.D.; 3 pints for 3 & 4-Speed						
	Type recommended		Military Spec. MIL-L-2105-B						
	SAE viscosity number	Summer	SAE-80						
		Winter	SAE-80						
		Extreme cold	SAE-80						

DRIVE UNITS— MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Type (planetary or other)			
Manual lockout (yes, no)			
Downshift accelerator control (yes, no)			
Minimum cut-in speed			Not
Gear ratio			
Lubricant	Capacity (pt.) (Overdrive only)		Available
	Separate filler (yes, no)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

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MODEL 15400-600; 16400-600; 16800

			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8

DRIVE UNITS—PROPELLER SHAFT (cont.)

Intermediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		--
Universal joints	Make		Chevrolet
	Number used		Two
	Type (ball and trunnion, cross, other)		Cross
	Bearing	Type (plain, anti-friction)	Anti-Friction
		Lubric. (fitting, prepack)	Pre-Pack
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			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	
Ring gear O.D. (std. ratio)			8.125 for 3.36	8.875 for 3.31
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 - 3.5; 8.875 ring gear, 4.0	
	Type recommended		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 4 for axle ratio usage)

Axle ratio		3.08	3.36	3.55	3.70	2.73	3.07	3.31	3.73	4.10	4.56	4.88
No. of teeth	Pinion	12	11	11	10	15	14	13	11	10	9	8
	Ring gear	37	37	39	37	41	43	43	41	41	41	39

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MODEL 15400-600; 16400-600; 16800

			327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
DRIVE UNITS—PROPELLER SHAFT (cont.)					
Intermediate bearing	Type (plain, anti-friction)		None		
	Lubrication (fitting, prepack)		--		
Universal joints	Make		Chevrolet		
	Number used		Two		
	Type (ball and trunnion, cross, other)		Cross		
	Bearing	Type (plain, anti-friction)	Anti-Friction		
		Lubric. (fitting, prepack)	Pre-Pack		
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			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		
Ring gear O.D. (std. ratio)			8.125 for 3.36	8.875 for 3.31	
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 - 3.5; 8.875 ring gear, 4.0		
	Type recommended		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 4 for axle ratio usage)

Axle ratio		3.08	3.36	3.55	3.70	2.73	3.07	3.31	3.73	4.10	4.56	4.88
No. of teeth	Pinion	12	11	11	10	15	14	13	11	10	9	8
	Ring gear	37	37	39	37	41	43	43	41	41	41	39

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MODEL 15400-600; 16400-600; 16800

BRAKES—SERVICE (cont.)

				Standard	Metallic (Opt)	Frt. Disc (Opt
Brake lining	Drum or Disc			Drum		Frt. Disc
	Bonded or riveted			Bonded	Welded	Riveted
	Front Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos
		Size (length x width x thickness)	Prim. or outboard	9.25 x 2.75 x .168	1.64 x 1.37 x .175	5.96 x 2.21 x .
			Second. or inboard	11.63 x 2.75 x .168	1.64 x 1.37 x .295	5.96 x 2.21 x .
		Segments per shoe		One	PRI - 6 SEC - 12	One
	Rear Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos
		Size ● (length x width x thickness)	Prim. or outboard	9.25 x 2.00 x .168	2.00 x 1.00 x .175	9.25 x 2.00 x .168
			Second. or inboard	11.63 x 2.00 x .168	2.00 x 1.00 x .295	11.63 x 2.00 x .168
		Segments per shoe		One	PRI - 6 SEC - 10	One

BRAKES—PARKING

Type of control		Foot Pedal Apply; T = Handle Release
Location of control		Left of Steering Column, under Instrument 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

Type and description (Separate frame, unitized frame, partially - unitized frame)	All welded perimeter frame with front crossmember, rear axle upper control arm crossmember, rear shock absorber crossmemb and a rear crossmember. Welded box-construction side rails from front crossmember to aft of rear axle kickup.

STEERING

Manual (std., opt., NA)				Standard - Energy absorbing steering column
Power (std., opt., NA)				Optional
Adjustable steering wheel (tilt, swing, other)		Type and description		TILT: Tilt achieved with universally-jointing steering shaf at base of steering wheel; 5-inch vertical travel range.
		(std., opt., NA)		Optional
Wheel diameter		Manual		16.5
		Power		16.5
Turning diameter	Outside front	Wall to wall (l. & r.)		43.5
		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°				18.09
Manual	Gear	Type		Semi-reversible, Recirculating Ball Unit
		Make		Saginaw
		Ratios	Gear	24:1
			Overall	30.7:1
	No. wheel turns			5.8 lock to lock

(Continued)

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MODEL 15400-600; 16400-600; 16800

BRAKES—SERVICE (cont.)

				Standard	Metallic (Opt)	Frt. Disc (Opt
Brake lining	Drum or Disc			Drum		Frt. Disc
	Bonded or riveted			Bonded	Welded	Riveted
	Front Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos
		Size (length x width x thickness)	Prim. or outboard	9.25 x 2.75 x .168	1.64 x 1.37 x .175	5.96 x 2.21 x .
			Second. or inboard	11.63 x 2.75 x .168	1.64 x 1.37 x .295	5.96 x 2.21 x .
		Segments per shoe		One	PRI - 6 SEC - 12	One
	Rear Wheel	Material		Molded asbestos	Sintered iron	Molded asbestos
		Size ● (length x width x thickness)	Prim. or outboard	9.25 x 2.00 x .168	2.00 x 1.00 x .175	9.25 x 2.00 x .168
			Second. or inboard	11.63 x 2.00 x .168	2.00 x 1.00 x .295	11.63 x 2.00 x . 168
		Segments per shoe		One	PRI - 6 SEC - 10	One

BRAKES—PARKING

Type of control		Foot Pedal Apply; T = Handle Release
Location of control		Left of Steering Column, under Instrument 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

Type and description (Separate frame, unitized frame, partially - unitized frame)	All welded perimeter frame with front crossmember, rear axle upper control arm crossmember, rear shock absorber crossmemb and a rear crossmember. Welded box-construction side rails from front crossmember to aft of rear axle kickup.

STEERING

Manual (std., opt., NA)			Standard - Energy absorbing steering column
Power (std., opt., NA)			Optional
Adjustable steering wheel (tilt, swing, other)		Type and description	TILT: Tilt achieved with universally-jointing steering shaf at base of steering wheel; 5-inch vertical travel range,
		(std., opt., NA)	Optional
Wheel diameter		Manual	16.5
		Power	16.5
Turning diameter	Outside front	Wall to wall (l. & r.)	43.5
		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°			18.09
Manual	Gear	Type	Semi-reversible, Recirculating Ball Unit
		Make	Saginaw
		Ratios - Gear	24:1
		Ratios - Overall	30.7:1
	No. wheel turns		5.8 lock to lock

(Continued)

AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*) 1-27-

MODEL	327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8

SUSPENSION—GENERAL

(See Supplemental page 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 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			

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.	
Spring	Type	Coil, Rt Hd Helix	
	Material	Steel Alloy	
	Size (coil design height & I.D.; bar length x dia.)	11.76 x 3.80 126.6 x .614	11.76 x 3.80 141.1 x .636
	Spring rate (lb. per in.)	290	290
	Rate at wheel (lb. per in.)	104	104
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	HR Steel .8125 Sedan & Wagons; Super Sport .9375	

SUSPENSION—REAR

Type and description		(a)	
Drive and torque taken through		Control Arms	
Spring	Type	Coil, Rt. Hd. Helix	
	Material	Steel Alloy	
	Size (length x width, coil design height & I.D.; bar length & dia.	12.37 x 4.00 126.2 x .597	
	Spring rate (lb. per in.)	230	
	Rate at wheel (lb. per in.)	105	
	Mounting insulation type	Rubber Bushed Control Arm	
	If leaf: No. of leaves	---	
	If leaf: Shackle (comp. or tens)	---	
Stabilizer	Type (link, linkless, frameless)	None	
	Material	---	
Track bar type		Lateral, Frame to Rear Axle	

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

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MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (e) 1-27-

SUSPENSION—GENERAL

(See Supplemental page for details on Air Suspension)*

MODEL		327 Cu. In. V-8	396 Cu. In. V-8	427 Cu. In. V-8
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 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				

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.	
Spring	Type	Coil, Rt Hd Helix	
	Material	Steel Alloy	
	Size (coil design height & I.D.; bar length x dia.)	11.76 x 3.80 126.6 x .614	11.76 x 3.80 141.1 x .636
	Spring rate (lb. per in.)	290	290
	Rate at wheel (lb. per in.)	104	104
Stabilizer	Type (link, linkless, frameless)	Link	
	Material & bar diameter	HR Steel .8125 Sedan & Wagons; Super Sport .9375	

SUSPENSION—REAR

Type and description		(a)	
Drive and torque taken through		Control Arms	
Spring	Type	Coil, Rt. Hd. Helix	
	Material	Steel Alloy	
	Size (length x width, coil design height & I.D.; bar length & dia.	12.37 x 4.00 126.2 x .597	
	Spring rate (lb. per in.)	230	
	Rate at wheel (lb. per in.)	105	
	Mounting insulation type	Rubber Bushed Control Arm	
	If leaf: No. of leaves	---	
	If leaf: Shackle (comp. or tens)	---	
Stabilizer	Type (link, linkless, frameless)	None	
	Material	---	
Track bar type		Lateral, Frame to Rear Axle	

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

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MODEL 15400-600; 16400-600; 16800

CONVENIENCE EQUIPMENT

(Indicate whether standard, optional or NA on each series)

Power windows	Side Windows	Optional all models except 15300-15400
	Vent Windows	NA
	Backlight or tailgate	Standard 3-seat Wagons -- Optional 2-seat Wagons
Power seats (specify type as well as availability)		Seat, bucket; 4-way electric control drivers seat only models 16647-700-800; Seat, Front; 6-way electric control, 155-156-1
Reclining front seat back		NA
Front seat headrest		Optional
Radios (specify type as well as availability)		Optional-AM-Manual, AM-Pushbutton, AM-FM Pushbutton
Rear seat speaker		Optional
Power Antenna		Optional
Clock		Optional - 15000 -- Standard - 16000
Air Conditioner (specify type and availability)		Optional - four season and automatic temperature control
Speed warning device		Optional
Speed control device		Optional
Ignition lock lamp		Standard
Back up lamp		Standard
Dome lamp		Standard
Glove compartment lamp		Optional 153-15400 -- Standard all other models
Prkg. brake signal lamp		Optional 15000 -- Standard 16000
Luggage compartment lamp		Optional 15000 Sedans - Standard 16000 Sedans and Coupes
Underhood lamp		Optional
Courtesy lamp		Optional 150-163-16400 - Standard all other models
Map lamp		NA
Auto. trans. quad. lamp		Standard
Emergency flasher lamp , four-way		Standard
Cornering light lamp		Standard on 16600 - Optional all other models
Freeway lane change signal		Standard
Instrument Panel Pad		Standard
Left hand outside mirror		Standard
Padded Sun Shades		Standard
Brake system warning and parking brake light		Standard
Steering column energy absorbing		Standard

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MODEL	Sedans 2-Dr	Sedans 4-Dr	Sport Sedans	Sport Coupes	Convert.	Statio Wagon

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 Indent. 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" po
Vent window control method (crank, friction pivot)	Front	Crank
	Rear	None
Seat cushion type	Front	Formed wire and foam pad
	Rear	Formed wire and cotton pad
	3rd seat	---
Seat back type	Front	Formed wire and foam pad
	Rear	Formed wire and cotton pad
	3rd seat	---
Windshield glass type (i.e., single curved - laminated plate)		Single curve, laminated
Side glass type (i.e., curved - tempered plate)		Curved, safety-solid plate
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Compound curve, solid tempered plate (A)

	2-Dr	4-Dr	Sport Sedans	Sport Coupes	Convert.	Station Wagon
Windshield glass exposed surface area	1448.1		1384.3			1448.1
Side glass exposed surface area	1383.0	1348.9	1380.9	1486.2	1414.4	2547.7
Backlight glass exposed surface area	1202.0		1239.3	1339.8	767.3	925.9
Total glass exposed surface area	4033.1	3999.0	4004.5	4210.3	3566.0	4921.7

LAMP HEIGHT AND SPACING

			2-Dr	4-Dr	Sport Sedans	Sport Coupes	Convert.	Station Wagon
Height above ground to center of bulb	Headlamp	Highest *	25.2	25.0	24.2	24.4		26.1
		Lowest	25.2	25.0	24.2	24.4		26.1
	Tail	Highest	23.8	23.6	23.1	23.3		25.5
		Lowest	23.8	23.6	23.1	23.3		25.5
Distance from C/L of car to center of bulb	Headlamp	Inside	23.6					
		Outside *	30.3					
	Tail	Inside	17.9		17.0; Center Set 24.0			18.9
		Outside	29.8		31.0			32.1
	Directional	Front	27.0					
		Rear	29.8		24.0 & 31.0			25.4 + 32.

* If single headlamps are used enter here.

(A) Flat tempered plate on convertible, fixed.

(B) Caprice and Impala Wagons center lights 25.4.

AMA Specifications—Passenger Car

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AMA Specifications—Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1967 DATE ISSUED 10-7-66 REVISED (*)

WEIGHTS

Model	CURB WEIGHT - POUNDS Front	Rear	Total	% PASS. WEIGHT DISTRIBUTION * Pass. In Front Front	* Pass. In Front Rear	Pass. In Rear Front	Pass. In Rear Rear	SHIPPING WEIGHT
	Base							Base
Biscayne	V8-283							V8-283
15411	3645			31			69	3465
15435	4065			31			69	3885
15469	3710			31			69	3525
Bel Air								
15611	3655			31			69	3470
15635	4075			31			69	3890
15645	4125			22			78	3940
15669	3720			31			69	3535
Impala								
16435	4105			31			69	3920
16439	3845			31			69	3660
16445	4160							3980
16467	3810			37			63	3625
16469	3760			31			69	3575
16487	3775			37			63	3590
Impala Super Sport								
16867	3835			35			65	3650
16887	3800			35			65	3615
Caprice								
16635	4115			31			69	3935
16639	3895			31			69	3710
16645	4170			22			78	3990
16647	3790			37			63	3605

Accessories & Equipment Differential Weights			
Air Conditioning		+120	
Air Injection System		+ 19	
Brakes, Disc		+ 43	
Brakes, Power		+ 7	
Heater, Delete		- 23	
Radio, Pushbutton		+ 9	
Radio, Pushbutton AM-FM		+ 10	
Seat, 4-Way Power		+ 14	
Seat, 6-Way Power		+ 17	
Steering, Power		+ 28	
Transmission, 3-Spd HD		+ 23	
Transmission, Powerglide		+ 12	
Transmission, 4-Spd, 327	Cu.In.	+ 12	
Trans., 4-Spd, 396 & 427	Cu.In.	No Wgt Change	
Transmission, Hydra-Matic		+ 58	
Engine - 327 Cu. In.		+ 51	
Engine - 396 Cu. In.		+243	
Engine - 427 Cu. In.		+269	
Windows - Power		+ 22	

Remarks

	Passengers Front	Rear
* Sedans + Sport Sedans	2	3
Sport Coupe + Convertible	3	2
Super Sport	2	2
2-Seat Wagon	2	3
3-Seat Wagon	(a)	(a)

(a) 3 Front, 3 Center, 2 Rear

GENERAL MOTORS PRODUCTS OF CANADA, LIMITED
1967 MODELS
CHEVROLET CAMARO
DEALERS' CONFIDENTIAL PRICE BULLETIN

OPTION	ORDER COL. CODE	OPT. NO.	SUGGESTED MAXIMUM RETAIL PRICE	LIST PRICE	BILLING PRICE	SALES TAX	TOTAL BILLING
AUXILIARY LIGHTING GROUP: CONT'D							
Sport Coupe:							
- With deluxe interior, includes items (1), (2), (3) & (4)	70-1		12.35	11.30	8.61	.04	9.65
- Without deluxe interior, includes items (1), (2), (3), (4) & (5)	70-1		15.30	14.00	10.67	1.29	11.96
FOUNDATION GROUP: Includes pushbutton radio and electric clock	67-1		95.95	89.10	67.72	6.85	74.57
* OPERATING CONVENIENCE GROUP: Includes LH outside remote-control rearview mirror and rear window defroster.							
- Sport Coupe models only	68-1		34.15	31.30	23.80	2.86	26.66
* These items can be ordered individually.							
POWER TEAMS							
ENGINES: See Power Teams Chart for complete engine specifications, model and trans. availability.							
- 155 hp Turbo-Thrift 250 6-cyl.	30-1	L22	29.45	27.00	20.52	2.46	22.98
- 275 hp Turbo-Fire 327 V8	30-2	L30	117.00	108.30	82.31	8.67	90.98
X - 325 hp, 396 cu.in. V8 - 12400		L35	294.60	270.00	205.20	24.62	229.82
TRANSMISSION: See Power Teams Chart for availability.							
- 3 Speed Automatic - 12400		M40	266.20	245.00	186.20	21.18	207.38
- Special fully synchronized 3-speed	33-6	M13	88.40	81.00	61.56	7.39	68.95
- 4-speed wide-range	33-3	M20	217.25	200.00	152.00	17.24	169.24
- Powerglide 6 Cylinder	33-1	M35	217.25	200.00	152.00	17.24	169.24
8 Cylinder	33-1	M35	229.20	211.00	160.36	18.22	178.58
		M21	217.25	200.00	152.00	17.24	169.24
X - 4-speed close ratio - 12400	31-B	G80	48.95	45.00	34.20	3.94	38.14
AXLE, POSITRACTION REAR:							
AXLES, RATIO: See Power Teams Chart for available combinations.							
- Economy	32-1	H01	2.70	2.50	1.90	.20	2.10
- Performance	32-2	G96	2.70	2.50	1.90	.20	2.10
- Special (If axle ratio other than standard, economy or performance is desired refer to Power Teams chart for availability - Then list ratio on order form in box under "Special Ratio")							
AXLE, REAR: 3.73 Ratio - 12400 models		H05	2.70	2.50	1.90	.20	2.10
POWER ASSISTS							
BRAKES: Vacuum power	39-2	J50	47.15	43.20	32.84	3.94	36.78
X BRAKES: Heavy Duty - 12437		J56	31.70	29.25	22.25	2.46	24.71
STEERING, POWER:	39-1	N40	94.30	86.40	65.67	7.88	73.55
WINDOWS, POWER:	58-1	A31	123.85	114.50	87.02	9.36	96.38
EXTERIOR FEATURES							
ANTENNA, REAR: Manual; not available with AM-FM radio	47-1	U73	10.60	9.70	7.38	.89	8.27
GUARDS:							
- Front bumper	60-1	V31	14.15	12.95	9.85	1.18	11.03
- Rear bumper	60-2	V32	14.15	12.95	9.85	1.18	11.03
- Door Edge	58-4	B93	3.55	3.25	2.47	.30	2.77
MIRROR: LH outside remote-control	45-2	D33	10.60	9.70	7.38	.89	8.27

X Denotes Addition

GENERAL MOTORS PRODUCTS OF CANADA, LIMITED
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	OPTION	ORDER COL. CODE	OPT. NO.	SUGGESTED MAXIMUM RETAIL PRICE	LIST PRICE	BILLING PRICE	SALES TAX	TOTAL BILLING
	CUSTOM INTERIOR: Includes colour-keyed accent bands on seats, bright knobs on door and window control handles, moulded front door armrests with recessed door handles, glove compartment light, moulded luggage compartment mat, and deluxe styled steering wheel.							
	- Convertible	29-2	Z87	106.05	97.20	73.88	8.86	82.74
	- Sport Coupe; also includes roof rail panel lamps, rear armrests with ashtray	29-2	Z87	106.05	97.20	73.88	8.86	82.74
	SS 350: Includes 295 hp Turbo-Fire 350 engine, special hood and ornaments, front header panel paint stripes, special nylon red stripe tires, 14 x 6.00 wheels, fender SS emblems and "SS 350" emblems on radiator grille and gas filler cap	30-3	L48	235.70	216.00	164.16	19.70	183.86
	RALLY SPORT: Includes front valance-mounted parking lights, electrically operated headlight doors, body lower side mouldings, body side paint stripes, front and rear wheel opening mouldings, roof drip gutter mouldings (Sport Coupe only), black painted tail light bezels, rear valance-mounted back-up lights, special grille styling and "RS" emblems on radiator grille, fender and gas filler cap.	29-3	Z22	117.85	108.00	82.08	9.85	91.93
	STYLE TRIM GROUP: Included with rally sport option. Includes body side paint stripes, front and rear wheel opening mouldings also roof drip gutter mouldings (Sport Coupe only)	29-6	Z21	44.80	41.05	31.20	3.74	34.94
	SPECIAL INTERIOR GROUP: Includes bright trimmed pedal pads and bright windshield pillar mouldings.							
	- On Convertibles	30-5	Z23	5.90	5.40	4.11	.49	4.60
	- On Sport Coupes, also includes bright roof rail mouldings	30-5	Z23	11.80	10.80	8.21	.98	9.19
	FEATURE GROUPS							
*	APPEARANCE-GUARD GROUP: Includes colour-keyed (2) front & (2) rear floor mats, front and rear bumper guards, door edge guards and deluxe seat belts	69-1		50.70	46.45	33.59	4.23	37.82
*	AUXILIARY LIGHTING GROUP: Includes three or more of the following items.							
	-(1)Courtesy lights							
	-(2)Underhood light							
	-(3)Ashtray light							
	-(4)Luggage light							
	-(5)Glove compartment light							
	Convertible							
	- With deluxe interior, includes items (2), (3) & (4)	70-1		7.65	7.00	5.34	.65	5.99
	- Without deluxe interior, includes items (2), (3), (4) & (5)	70-1		10.60	9.70	7.40	.90	8.30
*	These Items can be ordered individually							

PROVINCIAL & MUNICIPAL TAXES EXTRA WHERE APPLICABLE

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	OPTION	ORDER COL. CODE	OPT. NO.	SUGGESTED MAXIMUM RETAIL PRICE	LIST PRICE	BILLING PRICE	SALES TAX	TOTAL BILLING
*	AUXILIARY LIGHTING GROUP: CONT'D							
	Sport Coupe:							
	- With deluxe interior, includes items (1), (2), (3) & (4)	7C-1		12.30	11.30	8.61	.96	9.57
	- Without deluxe interior, includes items (1), (2), (3), (4) & (5)	7C-1		15.25	14.00	10.67	1.1.	11.86
*	FOUNDATION GROUP: Includes pushbutton radio and electric clock	67-1		95.35	89.10	67.72	6.27	73.99
	OPERATING CONVENIENCE GROUP: Includes LH outside remote-control rearview mirror and rear window defroster.							
	- Sport Coupe models only	68-1		33.95	31.30	23.80	2.62	26.42
	These items can be ordered individually.							
	POWER TEAMS							
	ENGINES: See Power Teams Chart for complete engine specifications, model and trans. availability.							
	- 155 hp Turbo-Thrift 250 6-cyl.	30-1	L22	29.25	27.00	20.52	2.26	22.78
	- 275 hp Turbo-Fire 327 V8	30-2	L30	116.25	108.30	82.31	7.95	90.26
	TRANSMISSION: See Power Teams Chart for availability.							
	- Special fully synchronized 3-speed	33-6	M13	87.80	81.00	61.56	6.77	68.33
	- 4-speed wide-range	33-3	M20	215.80	200.00	152.00	15.80	167.80
	- Powerglide 6 Cylinder	33-1	M35	215.80	200.00	152.00	15.80	167.80
	8 Cylinder	33-1	M35	227.70	211.00	160.36	16.70	177.06
	AXLE, POSITRACTION REAR:	31-B	G80	48.60	45.00	34.20	3.61	37.81
	AXLES, RATIO: See Power Teams Chart for available combinations.							
	- Economy	32-1	H01	2.70	2.50	1.90	.18	2.08
	- Performance	32-2	G96	2.70	2.50	1.90	.18	2.08
	- Special (If axle ratio other than standard, economy or performance is desired refer to Power Teams chart for availability - Then list ratio on order form in box under "Special Ratio")							
X	AXLE, REAR: 3.73 Ratio - 12400 models		H05	2.70	2.50	1.90	.18	2.08
	POWER ASSISTS							
	BRAKES: Vacuum power	39-2	J50	46.80	43.20	32.84	3.61	36.45
	STEERING, POWER:	39-1	N40	93.60	86.40	65.67	7.22	72.89
	WINDOWS, POWER:	58-1	A31	123.10	114.50	87.02	8.58	95.60
	EXTERIOR FEATURES							
	ANTENNA, REAR: Manual; not available with AM-FM radio	47-1	U73	10.50	9.70	7.38	.81	8.19
	GUARDS:							
	- Front bumper	60-1	V31	14.05	12.95	9.85	1.08	10.93
	- Rear bumper	60-2	V32	14.05	12.95	9.85	1.08	10.93
	- Door Edge	58-4	B93	3.50	3.25	2.47	.27	2.74
	MIRROR: LH outside remote-control	45-2	D33	10.50	9.70	7.38	.81	8.19

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	OPTION	ORDER COL. CODE	OPT. NO.	SUGGESTED MAXIMUM RETAIL PRICE	LIST PRICE	BILLING PRICE	SALES TAX	TOTAL BILLING
	CUSTOM INTERIOR: Includes colour-keyed accent bands on seats, bright knobs on door and window control handles, molded front door armrests with recessed door handles, glove compartment light, molded luggage compartment mat, and deluxe styled steering wheel.							
	- Convertible	29-2	Z87	105.35	97.20	73.88	8.13	82.01
	- Sport Coupe; also includes roof rail panel lamps, rear armrests with ashtray	29-2	Z87	105.35	97.20	73.88	8.13	82.01
	SS 350: Includes 295 hp Turbo-Fire 350 engine, special hood and ornaments, front header panel paint stripes, special nylon red stripe tires, 14 x 6.00 wheels, fender SS emblems and "SS 350" emblems on radiator grille and gas filler cap	30-3	L48	234.05	216.00	164.16	18.06	182.22
	RALLY SPORT: Includes front valance-mounted parking lights, electrically operated headlight doors, body lower side mouldings, body side paint stripes, front and rear wheel opening mouldings, roof drip gutter mouldings (Sport Coupe only), lack painted tail light bezels, rear valance-mounted back-up lights, special grille styling and "RS" emblems on radiator grille, fender and gas filler cap.	29-3	Z22	117.05	108.00	82.08	9.03	91.11
	STYLE TRIM GROUP: Included with rally sport option. Includes body side paint stripes, front and rear wheel opening mouldings also roof drip gutter mouldings (Sport Coupe only)	29-6	Z21	44.50	41.05	31.20	3.43	34.63
	SPECIAL INTERIOR GROUP: Includes bright trimmed pedal pads and bright windshield pillar mouldings.							
	- On Convertibles	30-5	Z23	5.85	5.40	4.11	.45	4.56
	- On Sport Coupes, also includes bright roof rail mouldings	30-5	Z23	11.70	10.80	8.21	.90	9.11
	FEATURE GROUPS							
*	APPEARANCE-GUARD GROUP: Includes colour-keyed (2) front & (2) rear floor mats, front and rear bumper guards, door edge guards and deluxe seat belts	69-1		50.35	46.45	33.59	3.87	37.46
*	AUXILIARY LIGHTING GROUP: Includes three or more of the following items.							
	-(1)Courtesy lights							
	-(2)Underhood light							
	-(3)Ashtray light							
	-(4)Luggage light							
	-(5)Glove compartment light							
	Convertible							
	- With deluxe interior, includes items (2), (3) & (4)	70-1		7.65	7.00	5.34	.60	5.94
	- Without deluxe interior, includes items (2), (3), (4) & (5)	70-1		10.60	9.70	7.40	.83	8.23
*	These Items can be ordered individually							