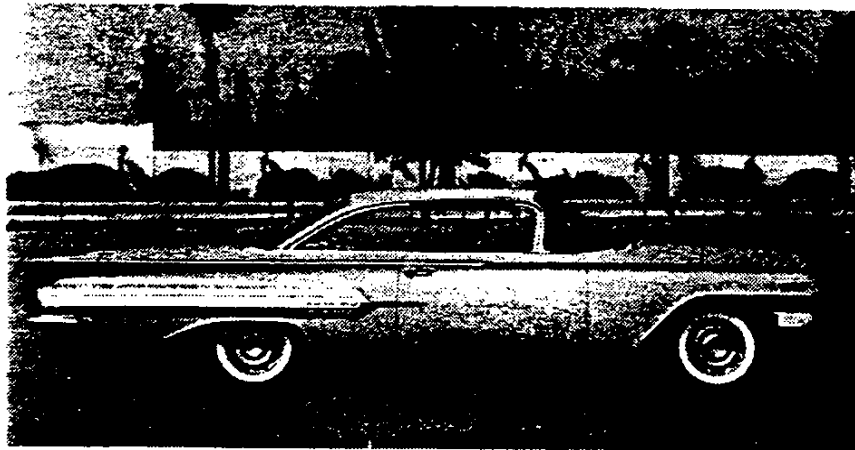

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CHEVROLET



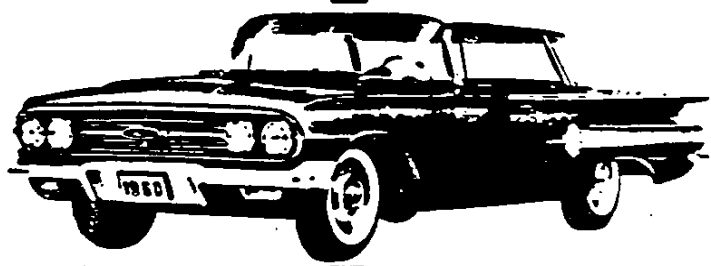
1960 Chevrolet, Impala two-door hardtop sports coupe, V-8 (AA)

1960



1960

GENERAL



MODEL IDENTIFICATION	2
SERIAL NUMBERS AND IDENTIFICATION	4
REGULAR EQUIPMENT - EXTERIOR	6
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ORIGINAL COPY

MODEL IDENTIFICATION

BISCAYNE SERIES



Model 11-1211; 11-1221 — 2-door, 6-passenger, 4 window Sedan, luggage compartment in rear.



Model 11-1219 — 4-door, 6-passenger, 6 window Sedan, luggage compartment in rear.

This series also includes Sedan Pickup and Sedan Delivery.

BISCAYNE FLEETMASTER SERIES

Model 13-1411 — 2-door, 6-passenger, 4-window sedan, luggage compartment in rear.

Model 13-1419 — 4-door, 6-passenger, 6-window sedan, luggage compartment in rear.



Model 13-1419 shown



Model 15-1619 — 4-door, 6-passenger, 6 window Sedan, luggage compartment in rear.



Model 15-1611 — 2-door, 6-passenger, 4 window Sedan, luggage compartment in rear.

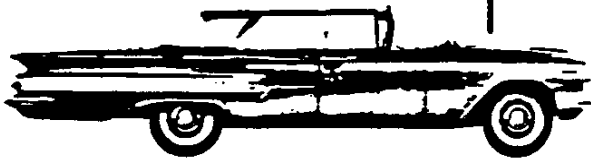
DEL AIR SERIES



Model 15-1637 — 2-door, 5-passenger, 4-window Sport Coupe, luggage compartment in rear.



Model 15-1639 — 4-door, 6-passenger, 4-window Sport Sedan, luggage compartment in rear.



Model 17-1839 — 4-door, 6-passenger, 4-window Sport Sedan, luggage compartment in rear.



Model 17-1819 — 4-door, 6-passenger, 6 window Sedan, luggage compartment in rear.

IMPALA SERIES



Model 17-1837 — 2-door, 5-passenger, 4 window Sport Coupe, luggage compartment in rear.



Model 17-1867 — 2-door, 5-passenger, 4 window Convertible, luggage compartment in rear.



Model 11-1215 Brookwood — 2-door, 6 passenger, 6 window Station Wagon, drop gate in rear with retractable window.



Model 11-1235 Brookwood — 4-door, 6 passenger, 8 window Station Wagon, drop gate in rear with retractable window.

STATION WAGON SERIES



Model 15-1645 Kingswood — 4-door, 9 passenger, 8 window Station Wagon, drop gate in rear with retractable window.



Model 15-1635 Parkwood — 4-door, 6 passenger, 8 window Station Wagon, drop gate in rear with retractable window.



Model 17-1835 Nomad — 4-door, 6-passenger, 8 window Station Wagon, drop gate in rear with retractable window.

SERIAL NUMBERS AND IDENTIFICATION

VEHICLE SERIAL NUMBER

6-Cylinder Example:

Model Year	Model	Assembly Plant	Unit Number
(1960)	1119	(Tarrytown)	(25th unit)
0	1119	T	100025

Thus: The 25th model 1119 built at Tarrytown would be serial number 01119T100025

8-Cylinder Example:

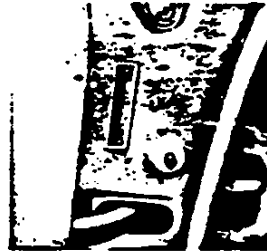
Model Year	Model	Assembly Plant	Unit Number
(1960)	1219	(Flint)	(26th unit)
0	1219	F	100026

Thus: The 26th model 1219 built at Flint would be serial number 01219F100026.

Assembly Plants

- A - Atlanta
- B - Baltimore
- F - Flint
- G - Framingham
- J - Janesville
- K - Kansas City
- L - Los Angeles
- N - Norwood
- O - Oakland
- S - St. Louis
- T - Tarrytown

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



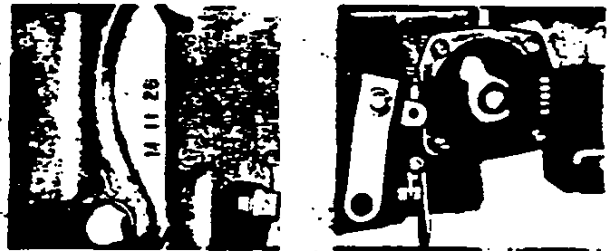
TRANSMISSION IDENTIFICATION

Example: B701D

Plant and Type Designation	Production Month & Date
B	701D*

Prefix	Plant	
M	Muncie	3-speed & O. D.
S	Saginaw	3-speed & O. D.
C	Cleveland	Powerglide
B	Toledo	Turboglide

Location, 3-Speed ----- Stamped on rear face of case on upper right corner.
Powerglide ----- Stamped on rear flange of governor cover.
Turboglide ----- Stamped on boss on lower right rear of case.



3-SPEED

POWERGLIDE



TURBOGLIDE

- * - Month: 7 denotes July; 01 denotes 1st day
- * - The letter "D" or "N" following the date numerals — indicate day or night shift



4-CYLINDER



8-CYLINDER

ENGINE IDENTIFICATION

Example: F 0212 CD

Source Designation	Production Month & Date	Type Designation
F	0212	CD(283 O. D.)

Assembly Plant: F-Flint T-Tonawanda

6-Cylinder: (235)

- A - Regular Production engine with 3-speed or overdrive.*
- AE - Regular with heavy duty clutch. (RPO 330)**
- AF - Regular with 3-speed & air conditioning.
- AG - Regular with 3-speed, heavy duty clutch & air conditioning.
- AJ - Regular with 3-speed power steering, air cond. & H. D. clutch.
- AK - Regular with 3-speed & power steering.***
- AM - Regular w/3-spd, power strg. & HD clutch @
- AZ - Regular with 3-speed, power steering, & air conditioning.
- B - Regular with Powerglide
- BE - Regular with power steering & Powerglide.

8-Cylinder (283)

- C - Regular production engine.
- CD - Regular with overdrive
- CF - Regular with 4-barrel carburetor equipment.
- CG - Regular with 4-barrel carburetor & overdrive.
- D - Regular with Powerglide.
- DB - Regular with 4-barrel carb. & Powerglide.
- DK - Regular with air conditioning & Powerglide.
- DM - Regular with air cond, PG & 4-bbl carb.
- E - Regular with Turboglide.
- EB - Regular with 4-barrel carb & Turboglide.
- EG - Regular with air cond. & Turboglide.
- EJ - Regular with air cond, TG & 4-bbl carb.

8-Cylinder: (348) (RPO 576)

- F - Optional with 3 or 4-speed transmission.
- FA - Optional with triple 2-bbl carb equipment.
- FE - Optional with triple 2-bbl carb & Hi-lift cam
- FG - Optional with 4-bbl carb & Hi-lift cam.
- G - Optional with Powerglide.
- GB - Optional with triple 2-bbl carb & Powerglide
- GD - Optional with 4-bbl carb, Hi-lift cam & PG.
- H - Optional with Turboglide.
- HA - Optional with triple 2-bbl carb & Turboglide.

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.

REAR AXLE IDENTIFICATION

Example: AA 0212

Plant and Type Designation	Production Month & Date	Type
AA	0212	Buffalo
AA ----- BA		3-speed transmission
AB ----- BB		Automatic transmission
AD ----- BD		Taxi cab, 3.36:1 ratio w/PG
AG ----- BG		Taxi cab, 3.55:1 ratio
AK ----- BK		Limited slip 3.55:1 ratio
AZ ----- BZ		Taxi cab, Powerglide (8-cyl.)
AM ----- BM		Limited slip 3.36:1 ratio
AW ----- BW		W-engine, 3.08:1 ratio
AX ----- BX		Limited slip 3.08:1 ratio
FE ----- BE		Overdrive transmission
FH ----- BH		Limited slip 3.70:1 ratio

Location ----- Stamped front right side differential carrier.

* - Month: 02 denotes Feb. etc; 12 denotes 12th day



Inspected in April 1960

FH-3354P

FJ-320HP

- * - AP on 1300 Series
- ** - AR on 1300 Series
- *** - AS on 1300 Series
- @ - AT on 1300 Series
- v - Month: 02 denotes Feb. ; 12 denotes 12th day

REGULAR EQUIPMENT-EXTERIOR

		ITEM	MODELS
Bright Metal Trims	Stainless Steel	Windshield frame	All except 13-1400
		Parking - direction signal light frames	All
		Hub caps	
		Deck lid edge molding	All except 13-1400
		Rear window reveal	All except Station Wagons, 17-1867, 13-1400
		Luggage compartment key lock	All except Station Wagons**
		Series ornament and twin body side moldings	17-1800
		Belt reveal molding	17-1800, 11-1280
		Roof upper molding	17-1837, 17-1839, 11-1280
		Roof lower molding	15-16-17-1837, 17-1839
		Drip cap molding	11-1280, 15-16-17-1800 exc. 15-1639 and 17-1835
		Door upper frame	17-1819, 17-1835
		Simulated exhaust port	17-1819, 17-1837, 17-1839
		Roof rear molding	17-1839, 11-1280
		Rear door lock pillar molding	15-16-17-1839
		Tailgate window lower reveal and pillar cap	15-16-17-1835, 15-1645
		Rear quarter window reveal	
		Fixed vent reveal	17-1819, 17-1835
		Ventipane reveal	15-1637, 15-1639, 17-1800
		Pickup box rail	11-1280
		Single body side molding	15-1600, 11-1280
		Anodized Aluminum	Radiator grille, frame, and emblem bezel	All
Headlight frames			
Tail light frames			
Radiator grille extensions and bars	17-1800		
Rear end trim plate			
Back-up light frames	15-1600		
Rear end panel molding			
Series ornaments	11-12-13-14-15-1600		
Chrome-plated Metal	Chevrolet nameplate on hood	All	
	Front and rear bumper and guards		
	Door handles and key locks		
	Series nameplates		
	Ventipane channel		
	Side window glass moldings	15-16-17-1837, 15-16-17-1839, 17-1867	
Rear license lamps (two)		All	
Deck lid or tailgate emblems			
Dual windshield wipers, electric, single-speed			
Dual horns			
Gasoline filler behind rear license area		All except Station Wagons**	
Gasoline filler on left hand rear quarter panel		Station Wagons**	
Bonderized body and sheet metal		All	
Outside rear view mirror		1170-1270	
Electric rear window regulator		15-1645	
Manual rear window regulator		All Station Wagons except 15-1645	
Grille Emblems	Chevrolet crest (6-cylinder identification)	11-13-15-1700	
	Crest and "V" (283 V-8 identification)	12-14-16-1800	
	"V" and crossed flags (348 V-8 identification)		

** - And 11-1270; 11-1280

REGULAR EQUIPMENT-INTERIOR

ITEM		MODELS	
Instrument Panel	Ignition switch identification plate	11-12-13-1400	
	Anodized aluminum trim molding	15-1600	
	Anodized aluminum trim molding and plate	17-1800	
	"Chevrolet" nameplate	15-1600, 17-1835	
	"Impala" nameplate	17-1800 except 17-1835	
	Black plastic control knobs	11-12-13-1400	
	Chrome capped control knobs	15-1600, 17-1800	
	Glove compartment		
		Light	All
		Lock	
	Black plastic vent control knobs		
	Cigarette lighter	All except 13-1400; 11-1270	
	Ash tray	All	
	3-Position ignition lock and starter switch		
Electric clock			
Parking brake alarm	17-1800		
Steering Wheel	Deep hub, perforated spokes, half-circle horn ring	15-1600 11-12-13-1400	
	Deep hub, dual solid spokes, half-circle horn ring		
	Deep hub, dual solid spokes, horn button		
Coat hooks	All exc. 17-1867; 11-1270; 11-1280		
Crank-type front ventpanes	All		
Door locking knobs			
Dual sunshades	All except 11-1270; 13-1400		
Inside rear view mirror	All except 11-1270		
Manual interior light switch integral with headlight switch (main switch)	All		
Left hand sunshade	11-1270, 13-1400		
Automatic interior light switch, front doors only	15-1600, 17-1800		
Interior Lights	Single dome, center	All except 17-1837, 17-1839, 17-1867	
	Dual side rail	17-1837, 17-1839	
	Dual in dash	17-1867	
	Third seat, courtesy	15-1645	
Rear window control switch on instrument panel			
Rear seat speaker grille	17-1837, 17-1857		
Convertible top switch and light	17-1867		
Aluminum seat and panels	17-1800		
Door remote control handle, paddle-type			
Door remote control handle, conventional-type	All except 17-1800		
Armrests, front door	11-1200*		
Armrests, front and rear doors or quarter panels	15-16-17-1800		
Ash tray, rear door or quarter panels			
Bright Metal Moldings	Windshield, upper and side	17-1837, 17-1839	
	Rear window, upper and side		
	Side roof rails		
	Front door, rear door or rear quarter trim		
Foam topper front seats	All		
Foam topper rear seats	All except 11-12-13-1400		
Jute and cotton rear seats	11-12-13-1400		
Floor Covering	Carpet	17-1800 except 17-1867	
	Carpet, vinyl-covered inserts	15-1600, 17-1867	
	Rubber mat, vinyl-covered	11-12-13-1400	
	Vinyl-type cargo floor and covered wheelhouses	Station Wagons	
	Painted lead floor and wheelhouses	11-1270; 11-1280	

REGULAR PRODUCTION OPTIONS AND FACTORY OPTIONAL ACCESSORIES

GROUP	ITEM	NUMBER	MODELS	
Engine	Air cleaner, oil bath	216	11-13-15-1700	
	Carburetor (s)	Single 4-barrel	410	12-14-16-1800 except 1270
		Triple 2-barrel	573	
		Triple 2-barrel, special camshaft	574	12-16-1800 except 1270
		Economy carburetor	581	11-1300
	Clutch, heavy-duty	227	11-13-15-1700	
	Engine, 348 cubic inch V-8	576	12-14-16-1800 except 1270	
	Engine, 348 cubic inch V-8 (special cam)	577		
	Exhaust, Dual	220	12-14-16-1800	
	Fan, thermostatically controlled	121		
	Filter, oil	237	11-13-15-1700	
	Heavy-Duty radiator	257	All	
	Generators	35-amperes		338
		40-amperes		326
50-amperes (low cut-in)		378		
Transmission	Four-speed	685	12-14-16-1800 except 1270	
	Overdrive	315	All	
	Powerglide	313		
	Turboglide	302	12-14-16-1800	
Chassis	Axle, rear (limited-slip)	675	All	
	Battery, heavy-duty (11-plate, 70 ampere-hours)	345		
	Brakes, power	412		
	Disks, wheel	117		
	Springs, rear (heavy-duty)	593		
	Steering, power	324		
	Tires	7.50 x 14-4 ply (whitewall)	465	All except 11-12-13-1415, 35;
		8.00 x 14-4 ply (blackwall)	283	15-1635, 45; 17-1835, 67; 1270
		8.00 x 14-4 ply (whitewall)	588	All
		8.50 x 14-4 (blackwall)	336	11-1270; 11-1280
8.50 x 14-4 (whitewall)		368		
Body	Air conditioning	Deluxe	110	All except 11-1270; 1300
		Cool-Pack	111	
	Cushion, foam rubber front seat	335	11-12-13-1400 except 1270	
	Deluxe body equipment	347	13-1400	
	Deluxe steering wheel	348	11-12-13-1400 except 1270	
	Glass, tinted	398	All	
	Headlamp automatic beam control	131		
	Heater and defroster	Air flow		101
		Recirculating		116
	Mirror, inside (prismatic non-glare)	129	All except 11-1270	
	Pod, instrument panel	427	All	
	Radio and antenna	Manual		103
		Push-button		104
	Seats	4-Way power	377	15-16-17-1800
		6-Way power	380	
		RF auxiliary	263	11-1270
		Front full width	482	
	Taxicab equipment	330	11-12-13-14-15-1619	
	Top, folding (colors)	470	17-1867	
	Washer, push-button windshield	109	All	
Wipers, 2-speed electric (includes washers)	333			
Window (s)	Power tailgate	424	All wagons except 15-1645	
	Power	426	15-16-17-1800	

DEALER INSTALLED ACCESSORIES

	ITEM		MODELS
Air Conditioner	Fresh air (all weather)		All except 1300, 11-1270
	Recirculating (cool pack)		All *
Alarm	Parking brake		11-12-13-14-15-1600
	Speed warning		All
Antenna (radio)	Dummy	Left rear	All except Station Wagons
	Manual	Right rear	
		Right front	
Belt	Seat		All
Brake	Vacuum power		All
Cap	Gasoline tank filler locking		
Carrier	Luggage (roof top-type)		All except 17-1867; 11-1270; 11-1280
Clock	Electric		11-12-13-14-15-1600
Container	Litter		
Compass	Illuminated		
Cover	Accelerator pedal		All
	Front seat cushion		
	Front seat ventilated cushion		
	Wheel (disk-type)		
Control	Headlight automatic beam		
	Cruise		
Deflectors	Rain		All exc. 17-1837, 39, 67; 11-1200; 11-1280
Dispenser	Tissue		
Defogging Unit	Back window		All
Extension	Front door vent window		
Fan	Thermostatically - controlled		12-14-16-1800
Flasher Unit	Traffic hazard		
Guard	Door edge		All
	Front and rear bumper		
Heater and Defroster	Air flow		All
	Recirculating		
Lid	Vacuum operated rear deck		All except Station Wagons
Light (s)	Backing		11-12-13-14-15-1600
	Courtesy		All except 17-1867
	Engine compartment		All
	Glove compartment		11-12-13-1400
	Luggage compartment		All exc. Sta. Wagons 11-1270; 11-1280
	Spot	Inside-operated	All
		Portable	
Lock	Door safety unit		All 4-door models
	Throttle		
Mat	Floor (front or rear)		All
	Floor (full-width - front compartment only)		
Mirror	Rear view	Inside (prismatic)	All†
		Outside (door-mount)	
	Vigor vanity		
Moldings	Body sill		
Ornaments	Hub cap or wheel disk		All
	Rear fender simulated exhaust		
Pad	Ventilated seat		
Radio	Manual 6		
	Push-button 6		
Screen (s)	Radiator insect		
	Window 6		
Shield	Door handle		15-16-17-1837
	Windshield glare (plastic)		
	Rear window glare (plastic)		
Speaker	Rear radio		All††
Tool Kit			
Washer	Windshield	Push-button	All
		Foot-operated	

* - Cannot be used when 4-speed transmission and power seat equipment are used together

† - Except 11-1270

†† - Includes front or rear antenna for sedan and sport models, front only for wagons

TAXI-CAB EQUIPMENT-RPO 330

MODEL APPLICATION:

4-Door Sedan - 1119-1219-1319-1419

BODY EQUIPMENT

INTERIOR TRIM

Biscayne
Standard ----- Cloth/vinyl, gray
Optional ----- All vinyl, gray

FLOORS, FRONT AND REAR

Covering ----- Waterproof asphalt impregnated paper felt, .125 minimum thickness.
Mats ----- Black rubber (no spatter design) .125 minimum thickness.

SEAT CUSHIONS AND BACKRESTS

Construction, front and rear ----- Heavy-duty
"S" wire springs, reinforced.

DOORS, FRONT AND REAR

Jamb switches (dome lamp) ----- Furnished on all four doors.
Armrests ----- L.H. & R.H. rear doors
Rear door hinges ----- 80° wide opening type (regular production - 64°).

INSTRUMENT PANEL

Trim molding ----- Imprinted ignition lock positions "ACC" - "OFF" "ON" "START".
Warning lamp, rear door
Location ----- Bright metal bracket under instrument panel, left of steering column.
Switch ----- All door jambs
Ignition switch ----- "ACC". position provided in place of "LOCK"

CHASSIS EQUIPMENT

FRAME

Type ----- Heavy duty with reinforced front cross member, spring brackets, shock absorber and upper control arm brackets.

SUSPENSION

Coil Springs & Shock Absorbers, Front and Rear
Type ----- Heavy-duty

Spherical Joints, Front

Type ----- Metal lined

Wheel Bearings

Front, inner and outer -- Heavy-duty tapered roller
Rear ----- Heavy-duty roller
Lower Control Arm Bushings, Rear Suspension
Type ----- Heavy-duty; inner and outer metal sleeves with rubber insert.

Steering Knuckles and Front Wheel Hubs and Drums

Type ----- Heavy-duty, includes taper roller bearings, and heavy duty front brake drum webs.

WHEELS AND TIRES

Wheel Size ----- 15x5K
Tire type and size ----- Blackwall tubeless rayon, 6.70 x 15-4

LUBRICATION FITTINGS

Used at U-joints of front, intermediate, and rear propeller shaft.

REAR AXLE

Type ----- Heavy-duty, includes heavy duty upper control arm brackets hand welded to housing, and heavy duty roller bearings.

POWER TRAIN EQUIPMENT

SIX-CYLINDER MODELS

Spark Plugs ----- AC 46
Distributor ----- Positive ground via wire to coil bracket.
Clutch ----- 11" heavy-duty
Carburetor
Model
3-speed ----- 7013955
Powerglide ----- 7013956
Transmission ----- Heavy-duty; incorporates heavy-duty clutch gear and mainshaft bearings.

POLICE CAR EQUIPMENT

MODEL APPLICATION:

2-Door Sedan - 1111-1211-1311-1411
 4-Door Sedan - 1119-1219-1319-1419
 4-Door Station Wagon - 1135-1235

BODY EQUIPMENT (LPO 1105)

INTERIOR TRIM

Biscayne
 Standard ----- Cloth/vinyl, gray
 Optional ----- All vinyl, gray
Brookwood ----- All vinyl, gray

FLOORS

Covering
 Front, all models ----- Waterproof asphalt im-
 pregnated paper felt, .125 minimum thickness.
 Rear, sedans only ----- Same as front
Mats
 Front, all models ----- Black rubber (no spatter
 design) .125 minimum thickness.
 Rear, sedans only ----- Same as front except
 reinforcing patch under accelerator pedal is omitted.

SEAT CUSHIONS AND BACKRESTS

Front, all models ----- Heavy duty
 "S" wire springs, reinforced.
 Rear, sedans only ----- Same as front

CHASSIS EQUIPMENT (LPO 1106)

SUSPENSION

Coil Springs & Shock Absorbers, Front & Rear
 Type ----- Heavy duty
Spherical Joints, Front
 Type ----- Metal lined

Wheel Bearings

Front, inner and outer --- Heavy duty tapered roller
 Rear ----- Heavy duty roller
Lower Control Arm Bushings, Rear Suspension
 Type ----- Heavy duty; inner and outer
 metal sleeves with rubber insert.
Steering Knuckles and Front Wheel Hubs
 Type ----- Heavy duty, includes
 taper roller bearings.
Front Stabilizer Bar
 Regular equipment on V-8, provided on 6 cyl.

WHEELS AND TIRES

Wheel Size ----- 15 x 5K
 Tire type and size ----- Blackwall tubeless rayon,
 6.70 x 15-4 on sedans, 6.70 x 15-6 on wagons.

BRAKES - SERVICE

Material ----- Sintered Iron
Segments Per Shoe:
 Primary - Front and Rear ----- Six
 Secondary ----- Front, 12; Rear, 10
Lining Size:
Front:
 Primary ----- 1.64 x 1.37 x .205
 Secondary ----- 1.64 x 1.37 x .325
Rear:
 Primary ----- 2.0 x 1.37 x .205
 Secondary ----- 2.0 x 1.00 x .325
Wheel Cylinder Bore:
 Front ----- 1.1875
 Rear ----- 1.00
Method of Attachment ----- Riveted
Gross Lining Area (sq in) ----- 144.9
Effective Area (sq in) ----- 139.2
Brake Effectiveness (front) ----- 58.5%

TRANSMISSION

Type --- Heavy duty, incorporates heavy duty clutch
 gear and mainshaft bearings. (6-cylinder only)

AIR CONDITIONING EQUIPMENT-FOA 110

COMPRESSOR

Make Frigidaire
 Type 5 cylinder reciprocating
 Clutch Coil, Ohms (@80°F) 4.18-4.28
 Amperes (@ 80 F) 2.86@ 12 volts
 Oil, Type Frigidaire 525 viscosity
 Capacity (Oz) 13
 Pulley Diameter (nominal) 5.31
 Ratio (compressor to engine) 1.25:1
 Drive Rotating socket plate

REFRIGERANT

Type Freon 12
 Capacity (lb) 4.5

CONDENSER

Type Tube and fin
 Material Steel brazed with cadmium
 or zinc plate
 Location Mounted in front of radiator
 to radiator support

RECEIVER-DEHYDRATOR

Material Heavy gage drawn steel tube
 Location Right side of condenser
 Function:
 Receiver Reservoir for storage
 of high pressure liquid.
 Dehydrator Accumulate moisture and
 trap foreign material.

EVAPORATOR

Location Right cowl plenum chamber
 Core Size (Sq. In) 125.0
 Cooling and Heating Coil Material Copper
 tubes and button fins

TEMPERATURE REGULATOR

Type Hot gas by-pass valve
 Location On compressor

PRESSURE RELIEF VALVE

Opens (approx) 440-450 psi
 Closes (approx) 300 psi

BLOWER MOTOR

Current Draw (cold) Low speed, 10 amp. (max)
 High speed, 15.5 amp. (max)
 Speed (cold)--Low-3150±150 rpm; High-3600±100 rpm

ENGINE IDLE SETTING

Auto Trans in Drive 450 rpm
 Std Trans in Neutral 450 rpm
 Fast Idle "Full On", Compressor Engaged and Trans-
 mission in Neutral 900 rpm

FRONT SPRINGS

For detailed information see Page 3, Chassis Section

SHOCK ABSORBERS, FRONT

Model Number N 5176 84A
 Piston Diameter and Travel 1.00.4.9375

CRANKSHAFT PULLEY

Type Dual groove

WATER PUMP AND FAN PULLEY

Type Dual groove

FAN

Number of Blades 5, staggered
 Diameter 18.00

FAN BLADE CLUTCH (V-8 only)

Type Temperature modulated viscous drive
 Fan speed limited at 3100 rpm

COMPRESSOR BELT

Pitch Line Length, 283 Cu In V-8 58.50
 348 Cu In V-8 60.00
 235 Cu In 6-cyl 59.00

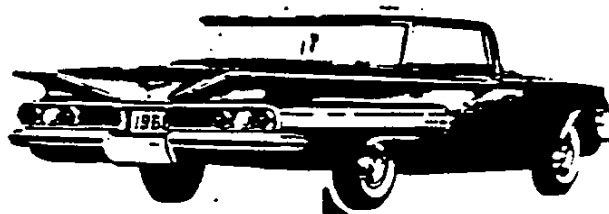
GENERATOR

Model 1102174
 Amperes 35

VOLTAGE AND CURRENT REGULATOR

Model, 283 Cu In V-8 1119002
 348 Cu In V-8 1119235

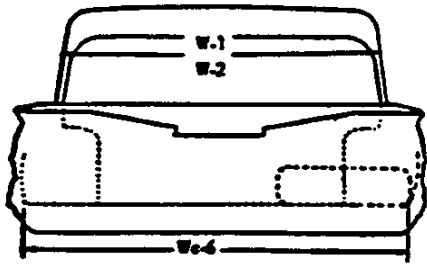
DIMENSIONS AND WEIGHTS



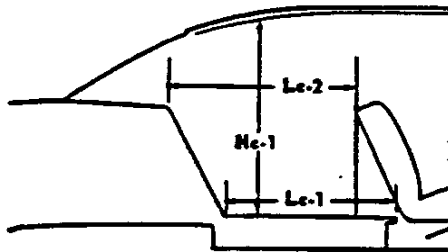
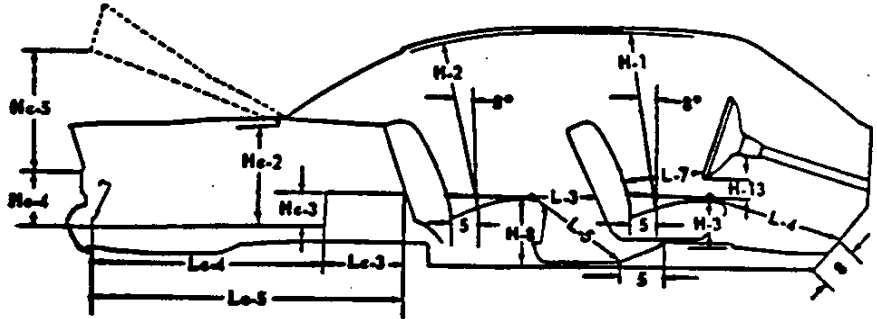
INTERIOR DIMENSIONS	2
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VEHICLE WEIGHTS	8

INTERIOR DIMENSIONS

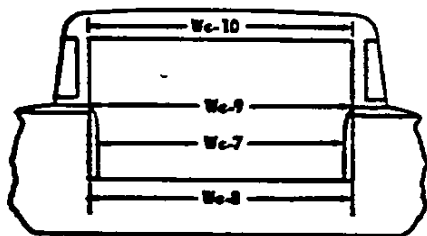
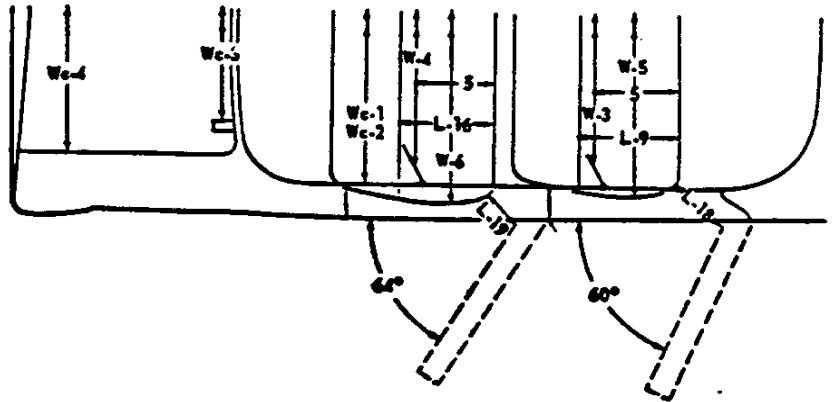
NOTE: DIMENSIONS SHOWN WITH A LETTER "c" SUFFIX ARE CHEVROLET, OTHERS ARE STANDARD GM DIMENSIONS. ONLY 8 CYLINDER MODELS ARE SHOWN.



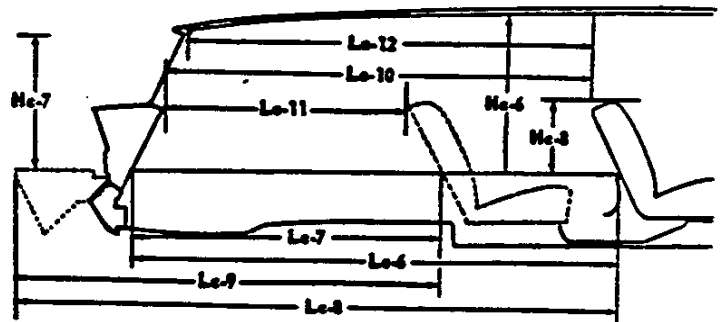
SEDANS AND COUPES



UTILITY SEDAN



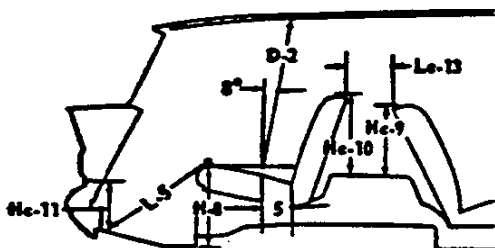
6 and 9-PASSENGER STATION WAGON



6 and 9-PASSENGER STATION WAGON

TRUNK AND CARGO CAPACITIES (CU. FT.)

Models		Overall	Standard Luggage
Sedans and Sport Sedan		30.0	19.2
Sport Coupe		32.0	20.1
Convertible	Top up	29.5	19.3
	Top down	28.0	18.9
Station Wagons	6-pass. Rear seat folded	92.0	---
	6-pass. Rear seat erect	52.0	---
	9-pass. Rear and third seat folded	90.0	---
	9-pass. Rear erect and third folded	50.0	---
Utility Sedan		6.0	---
Utility Sedan		Inside load space (below window sills)	31.0



9-PASSENGER STATION WAGON

		MODELS						
		1211	1219	1637	1639	1867	1215	1235
		1221	1619	1837	1839			1635
		1611	1819					1645
		1411	1419					1835
EXTERIOR LENGTHS								
CODE	Description							
L-3	Rear compartment room	29.2	25.5	29.3	25.3			29.2
L-4	Leg room - front	44.5		44.2				44.3
L-5	Leg room	rear	42.5	37.4	41.6	37.4		42.9
		third						38.6
L-7	Steering wheel clearance to seat back			13.7				
L-9	Seat depth - front			18.5				
L-16	Seat depth	rear	18.3	17.2	18.2	17.2		18.6
		third						18.0
L-18	Entrance - foot clearance - front			15.4				
L-19	Entrance - foot clearance - rear		10.9	11.2				13.2
Lc-1	Rear compartment length at floor (Utility Sedan)	35.1						
Lc-2	Rear compartment length at belt (Utility Sedan)	36.2						
Lc-3	Trunk length - front	18.5	23.2	18.5	24.0			
Lc-4	Trunk length - rear			40.0				
Lc-5	Trunk length - overall	58.5	63.2	58.5	64.0			
Lc-6	Load length - G floor - front seat to tailgate - closed							94.8
Lc-7	Load length - G floor - rear seat to tailgate - closed							60.0
Lc-8	Load length - G floor - front seat to tailgate - open							120.1
Lc-9	Load length - G floor - rear seat to tailgate - open							85.3
Lc-10	Load length at belt - front seat to tailgate - closed							84.2
Lc-11	Load length at belt - rear seat to tailgate - closed							48.2
Lc-12	Load length at roof - front seat to back window							78.1
Lc-13	Clearance - rear seat to third seat							9.0

		MODELS						
		1211	1219	1637	1639	1867	1215	1235
		1221	1619	1837	1839			1635
		1611	1819					1645
		1411	1419					1835
EXTERIOR LENGTHS								
CODE	Description							
L-3	Rear compartment room	29.2	25.5	29.3	25.3			29.2
L-4	Leg room - front	44.5		44.2				44.3
L-5	Leg room	rear	42.5	37.4	41.6	37.4		42.9
		third						38.6
L-7	Steering wheel clearance to seat back			13.7				
L-9	Seat depth - front			18.5				
L-16	Seat depth	rear	18.3	17.2	18.2	17.2		18.6
		third						18.0
L-18	Entrance - foot clearance - front			15.4				
L-19	Entrance - foot clearance - rear		10.9	11.2				13.2
Lc-1	Rear compartment length at floor (Utility Sedan)	35.1						
Lc-2	Rear compartment length at belt (Utility Sedan)	36.2						
Lc-3	Trunk length - front	18.5	23.2	18.5	24.0			
Lc-4	Trunk length - rear			40.0				
Lc-5	Trunk length - overall	58.5	63.2	58.5	64.0			
Lc-6	Load length - G floor - front seat to tailgate - closed							94.8
Lc-7	Load length - G floor - rear seat to tailgate - closed							60.0
Lc-8	Load length - G floor - front seat to tailgate - open							120.1
Lc-9	Load length - G floor - rear seat to tailgate - open							85.3
Lc-10	Load length at belt - front seat to tailgate - closed							84.2
Lc-11	Load length at belt - rear seat to tailgate - closed							48.2
Lc-12	Load length at roof - front seat to back window							78.1
Lc-13	Clearance - rear seat to third seat							9.0

		MODELS						
		1211	1219	1637	1639	1867	1215	1235
		1221	1619	1837	1839			1635
		1611	1819					1645
		1411	1419					1835
EXTERIOR LENGTHS								
CODE	Description							
L-3	Rear compartment room	29.2	25.5	29.3	25.3			29.2
L-4	Leg room - front	44.5		44.2				44.3
L-5	Leg room	rear	42.5	37.4	41.6	37.4		42.9
		third						38.6
L-7	Steering wheel clearance to seat back			13.7				
L-9	Seat depth - front			18.5				
L-16	Seat depth	rear	18.3	17.2	18.2	17.2		18.6
		third						18.0
L-18	Entrance - foot clearance - front			15.4				
L-19	Entrance - foot clearance - rear		10.9	11.2				13.2
Lc-1	Rear compartment length at floor (Utility Sedan)	35.1						
Lc-2	Rear compartment length at belt (Utility Sedan)	36.2						
Lc-3	Trunk length - front	18.5	23.2	18.5	24.0			
Lc-4	Trunk length - rear			40.0				
Lc-5	Trunk length - overall	58.5	63.2	58.5	64.0			
Lc-6	Load length - G floor - front seat to tailgate - closed							94.8
Lc-7	Load length - G floor - rear seat to tailgate - closed							60.0
Lc-8	Load length - G floor - front seat to tailgate - open							120.1
Lc-9	Load length - G floor - rear seat to tailgate - open							85.3
Lc-10	Load length at belt - front seat to tailgate - closed							84.2
Lc-11	Load length at belt - rear seat to tailgate - closed							48.2
Lc-12	Load length at roof - front seat to back window							78.1
Lc-13	Clearance - rear seat to third seat							9.0

© - Maximum width at beltline - 60.5; between wheelhouses 61.3

INTERIOR DIMENSIONS

INTERIOR LENGTHS

SEDAN PICKUP MODEL 1280

Code	Description	Dimensions
L-4	Leg room	44.7
L-7	Steering wheel clearance to seat back	13.7
L-9	Seat depth	18.5
L-18	Entrance - foot clearance	15.7
Lc-14	Box length at floor - tailgate closed	76.2
Lc-15	Box length at floor - tailgate open	96.8
Lc-16	Box length at belt	70.6

INTERIOR WIDTHS

W-1	Hat room	57.3
W-3	Shoulder room	60.5
W-5	Hip room	66.1
Wc-7	Minimum width between wheelhouses	46.5
Wc-8	Tailgate opening at floor	47.6
Wc-11	Box width at floor	64.3
Wc-12	Box width at belt	60.7

INTERIOR HEIGHTS

H-1	Headroom(Depressed)	38.6	
H-3	Chair height	10.1	
H-13	Steering wheel clearance	4.7	
Hc-12	Box height - front	12.8	
Hc-13	Box height - rear	13.3	
Hc-14	Wheelhouse height	10.7	
Hc-15	Platform Height	@ Design with 8.00-14-4 tires	25.8
		@ Design with 8.50-14-4 tires	26.1
		@ Curb with 8.00-14-4 tires	27.0
		@ Curb with 8.50-14-4 tires	27.3

INTERIOR LENGTHS

SEDAN DELIVERY MODEL 1270

Code	Description	Dimensions
L-4	Legroom	45.6
L-7	Steering wheel clearance to seat back	14.9
L-9	Seat depth	17.1
L-18	Entrance-foot clearance	17.5
Lc-6	Load length-front seat to lift gate closed	93.8
Lc-10	Load length at belt	84.2

INTERIOR WIDTHS

Wc-7	Minimum width between wheelhouses	46.5
Wc-8	Liftgate opening at floor	47.6
Wc-11	Load width at floor	64.3
Wc-12	Load width at belt	60.7
Wc-13	Seat width	20.3
Wc-14	Seat clearance	6.0

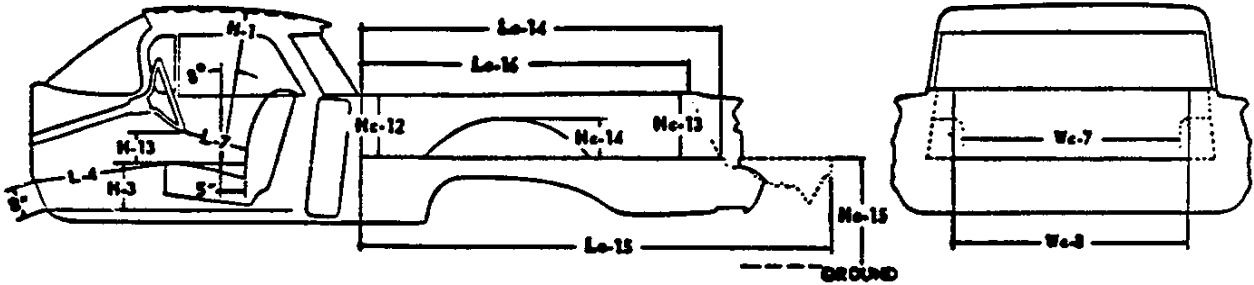
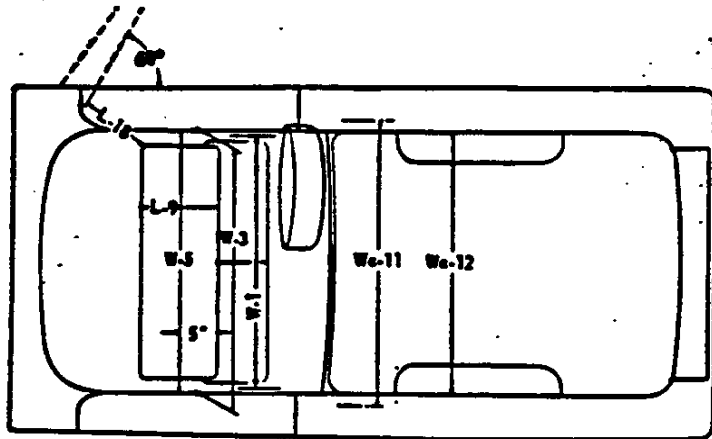
INTERIOR HEIGHTS

H-1	Headroom(Depressed)	38.6	
H-3	Chair height	9.3	
H-13	Steering wheel clearance	5.4	
Hc-6	Load height-maximum	Flush floor	32.2
		Depressed floor	40.2
Hc-7	Rear opening height	25.9	
Hc-8	Front seat back to load floor	14.6	
Hc-14	Wheelhouse height	10.7	
Hc-15	Platform Height	@ design with 8.00-14-4 tires	25.8
		@ design with 8.50-14-4 tires	26.1
		@ curb with 8.00-14-4 tires	27.0
		@ curb with 8.50-14-4 tires	27.3

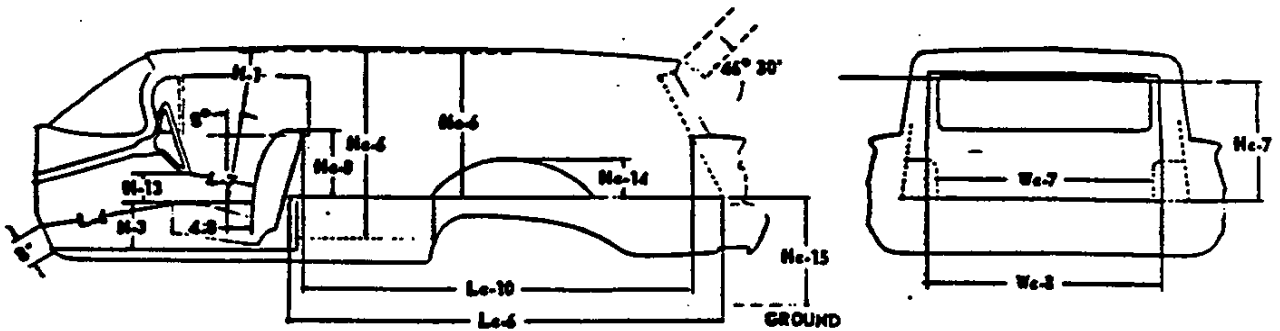
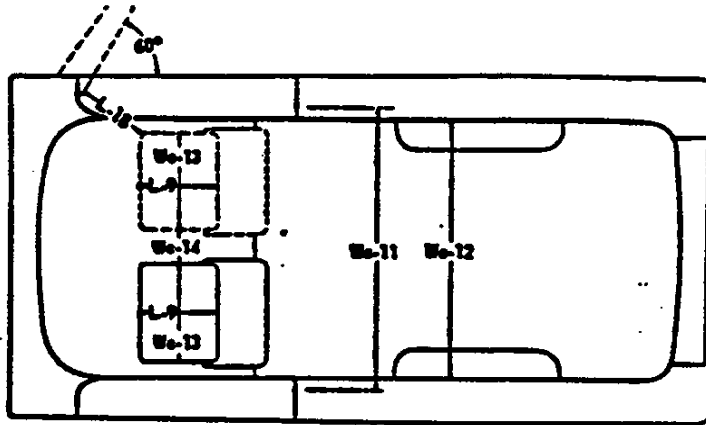
October 1959

4-DIMENSIONS AND WEIGHTS

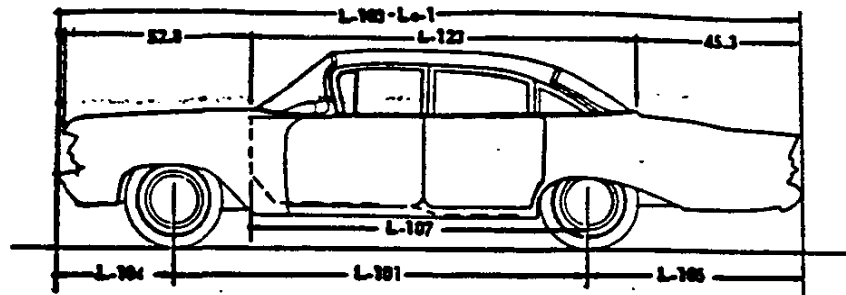
SEDAN PICKUP
MODEL
1280



SEDAN DELIVERY
MODEL
1270

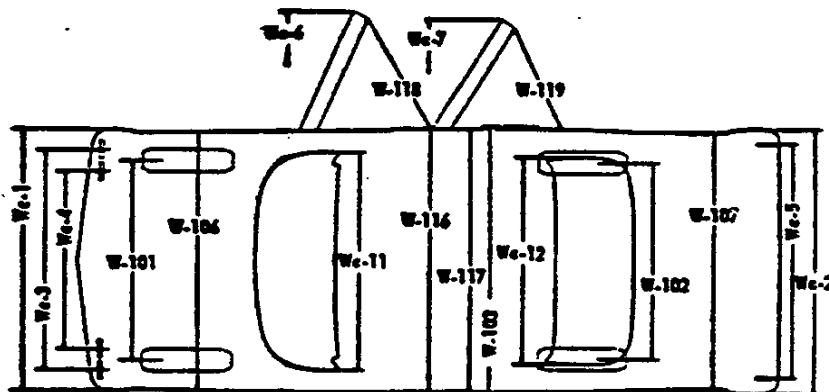


EXTERIOR DIMENSIONS



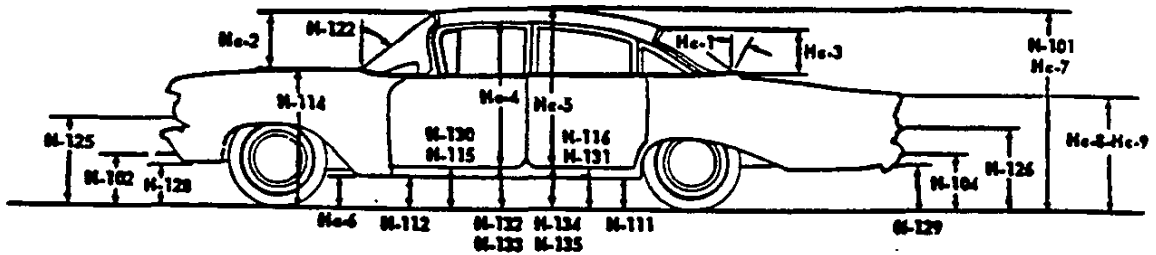
EXTERIOR LENGTHS

Code	Description	MODELS									
		1211	1219	1637	1639	1867	1215	1235	1270	1280	
L-101	Wheelbase	1221	1619	1837	1839			1635			
L-103	Overall length-bumper to bumper	1611	1819					1645			
L-104	Overhang - front	1411	1419					1835			
L-105	Overhang - rear										
L-107	Front of dash to ϕ of rear wheels										
Lc-1	Overall length less bumpers										
L-123	Body upper structure length $\approx \phi$										



EXTERIOR WIDTHS

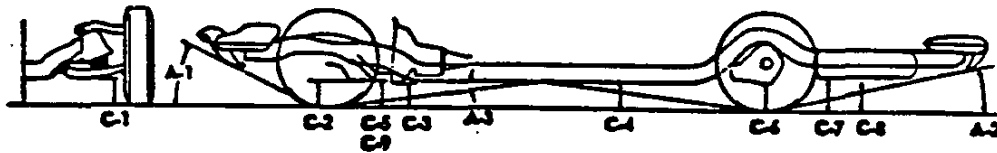
Code	Description	MODELS									
		1211	1219	1637	1639	1867	1215	1235	1270	1280	
W-101	Tread-front										
W-102	Tread-rear										
W-103	Overall width (maximum)										
W-106	Front fender width at ϕ of wheel										
W-107	Rear fender width at ϕ of wheel										
W-116	Maximum overall width of body										
W-117	Maximum body width at center pillar										
W-118	Door swing out distance - front	45.2	35.8	35.8	35.8	35.8	45.2	35.8	45.2	45.2	
W-119	Door swing out distance - rear		28.9		28.9			28.9			
Wc-1	Front bumper width										
Wc-2	Rear bumper width										
Wc-3	Outer headlight centers width										
Wc-4	Inner headlight centers width										
Wc-5	Tail light centers width										
Wc-6	Overall width, front doors open	161.2	145.9	161.2	145.9	161.2	161.2	145.9	161.2	161.2	
Wc-7	Overall width, rear doors open		134.4		134.4			134.4			
Wc-8	Opening width at beltline - frt. door	32.4	23.4	32.4	23.4	32.4	32.4	23.4	32.4	32.4	
Wc-9	Opening width below beltline - frt. door	46.2	34.9	46.2	34.9	46.2	46.2	34.9	46.2	46.2	
Wc-10	Opening width below beltline - rr. door		28.1		28.1			28.1			
Wc-11	Windshield DLO width										
Wc-12	Rear window DLO width			61.2			45.4		47.0	62.5	



EXTERIOR HEIGHTS

MODELS

Code	Description	1211	1219	1637	1639	1867	1215	1235	1270	1280	
		1221	1619	1837	1839			1635			
		1611	1819					1645			
		*	**					1835			
H-101	Overall height - loaded	56.0		54.0		56.0	56.3		56.3		
H-102	Front bumper bottom to ground	10.9			11.2		11.9		11.4		
H-104	Rear bumper bottom to ground	11.4			11.7		12.4		13.6		
H-111	Bottom of body to ground	8.0				10.3					
H-112	Rocker panel to ground - front	8.5				10.8					
H-114	Hood at rear to ground	38.6									
H-115	Step height - front door - loaded	13.1				13.2					
H-116	Step height - rear door - loaded	12.8		12.8		12.8					
H-122	Windshield slope angle	54.0°		57.5°		54.0°					
H-125	Headlight centerline to ground	26.5		26.0		26.5		27.2		26.5	
H-126	Taillight centerline to ground	22.6		23.1		22.6		23.2		24.8	
H-128	Bottom of front bumper guard to ground	11.4			11.8		12.7		12.8		
H-129	Bottom of rear bumper guard to ground	11.2			11.8		13.4		13.8		
H-130	Step height - front door - unloaded	14.7				14.9		15.5		14.9	
H-131	Step height - rear door - unloaded	15.1		14.9		15.7					
H-132	Bottom of front door to ground - open	11.7			11.9		12.1				
H-133	Bottom of front door to ground - closed	10.6			10.8		10.6				
H-134	Bottom of rear door to ground - open	11.5		11.5		11.7					
H-135	Bottom of rear door to ground - closed	10.4		10.4		10.4					
Hc-1	Rear window slope angle	59°		62°		60°		59.8°		25°0'	
Hc-2	Windshield DLO vertical height	15.5									
Hc-3	Rear window DLO vertical height	13.5		14.5		10.5		10.0		12.5	
Hc-4	Front door opening height	37.6		36.5		36.3		35.9		37.7	
Hc-5	Rear door opening height	37.3		36.2		37.3					
Hc-6	Bottom of front fender at rr. to ground	9.5									
Hc-7	Overall height - unloaded	58.1		56.1		58.1		58.4		58.4	
Hc-8	Trunk sill to ground-loaded	26.6									
Hc-9	Tailgate to ground-open-loaded	23.7									



GROUND CLEARANCES

MODELS

Code	Description	1211	1219	1637	1639	1867	1215	1235	1270	1280
		1221	1619	1837	1839			1635		
		1611	1819					1645		
		*	**					1835		
A-1	Angle of approach	27°								
A-2	Angle of departure	12°								
A-3	Ramp breakover angle	11.5°								
C-1	Front suspension to ground	7.2								
C-2	Oil pan to ground	7.8								
C-3	Flywheel housing to ground	7.0								
C-4	Frame to ground	6.6								
C-5	Exhaust system to ground	6.0 ⊕				6.7				
C-6	Rear axle to ground	7.1								
C-7	Fuel tank to ground	7.8			12.3*					
C-8	Tire well to ground	8.3			8.4		9.8			
C-9	Minimum ground clearance	6.0 ⊕				6.7				

⊕ - At muffler

VEHICLE WEIGHTS

200-2300 CUBIC INCH

Model	VEHICLE TYPE Description	SHIPPING WEIGHT			CURB WEIGHT			LOADED WEIGHT		
		Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
1111	2-Door Sedan 6-cylinder	1185D	1161D	349D	1860	1785	3645	2190	2355	4545
1111P		1192S	1166S	3590	1940	1810	3750	2270	2380	4650
1211	2-Door Sedan 8-cylinder	1183D	1167D	3500	1845	1815	3660	2175	2385	4560
1211P		1191D	1169S	3605	1925	1840	3765	2255	2410	4665
1211T		1184D	1167S	3515	1855	1820	3675	2185	2390	4575
1119	4-Door Sedan 6-cylinder	1185S	1170D	3555	1865	1845	3710	2195	2415	4610
1119P		1193S	1172S	3660	1945	1870	3815	2275	2440	4715
1219	4-Door Sedan 8-cylinder	1186S	1170D	3565	1880	1845	3725	2210	2415	4625
1219P		1194S	1172S	3670	1960	1870	3830	2290	2440	4730
1219T		1187S	1170S	3580	1890	1850	3740	2220	2420	4640
1121	Utility Sedan 6-cylinder	1184D	1161S	3455	1855	1760	3615	2085	1975	4060
1121P		1192D	1164D	3560	1935	1785	3720	2165	2000	4165
1221	Utility Sedan 8-cylinder	1184S	1162S	3470	1860	1770	3630	2090	1990	4080
1221P		1192D	1165D	3570	1935	1795	3730	2170	2015	4185
1221T		1185D	1163D	3480	1865	1775	3640	2100	1990	4090
1170	Sedan Delivery 6-cylinder	1176S	1184D	3605	1790	1955	3745	1945	2455	4400
1170P		1184S	1186S	3710	1870	1980	3850	2025	2480	4505
1270	Sedan Delivery 8-cylinder	1176S	1184S	3610	1795	1960	3755	1950	2450	4400
1270P		1184S	1187D	3715	1875	1985	3860	2030	2475	4505
1270T		1177S	1183D	3625	1805	1960	3765	1960	2455	4415
1180	Sedan Pickup 6-cylinder	1185S	1168S	3540	1885	1800	3685	2095	2305	4400
1180P		1193S	1175S	3650	1960	1830	3790	2175	2330	4505
1280	Sedan Pickup 8-cylinder	1185S	1169S	3550	1885	1805	3690	2095	2305	4400
1280P		1193S	1172D	3655	1965	1830	3795	2175	2330	4505
1280T		1186S	1169S	3560	1895	1810	3705	2105	2305	4410

200-2300 CUBIC INCH FLEETMASTER

1311	2-Door Sedan 6-cylinder	1184S	1163S	3480	1855	1780	3635	2185	2350	4535
1311P		1192D	1166D	3580	1935	1805	3740	2265	2375	4640
1411	2-Door Sedan 8-cylinder	1183D	1166S	3495	1845	1810	3655	2175	2380	4555
1411P		1190S	1169D	3595	1920	1835	3755	2250	2405	4655
1411T		1183S	1167D	3505	1850	1815	3665	2180	2385	4565
1319	4-Door Sedan 6-cylinder	1185D	1169S	3545	1860	1840	3700	2190	2410	4600
1319P		1193D	1172D	3650	1940	1865	3805	2270	2435	4705
1419	4-Door Sedan 8-cylinder	1186D	1170D	3560	1875	1845	3720	2205	2415	4620
1419P		1194D	1172S	3665	1955	1870	3825	2285	2440	4725
1419T		1187D	1170D	3570	1885	1845	3730	2215	2415	4630

1100-1200 BROOKWOOD

VEHICLE TYPE		SHIPPING WEIGHT			CURB WEIGHT			LOADED WEIGHT		
Model	Description	Front	Rear	Total	Front	Rear	Total	Front	Rear	Total
1115	2-Door Station Wagon 6 cyl.	1795	2055	3850	1825	2165	3990	2145	2745	4890
1115P		1875	2080	3955	1900	2195	4095	2225	2770	4995
1215	2-Door Station Wagon 8 cyl.	1795	2060	3855	1825	2170	3995	2145	2750	4895
1215P		1875	2085	3960	1905	2195	4100	2225	2775	5000
1215T		1805	2060	3865	1835	2175	4010	2155	2755	4910
1135	4-Door Station Wagon 6 cyl.	1825	2110	3935	1850	2225	4075	2170	2800	4970
1135P		1905	2135	4040	1930	2250	4180	2250	2830	5080
1235	4-Door Station Wagon 8 cyl.	1810	2130	3940	1840	2240	4080	2160	2820	4980
1235P		1890	2150	4040	1920	2265	4185	2240	2845	5085
1235T		1820	2130	3950	1850	2245	4095	2170	2825	4995

1500-1600 PARKWOOD

1535	4-Door Station Wagon 6 cyl.	1830	2120	3950	1860	2230	4090	2180	2810	4990
1535P		1910	2145	4055	1935	2260	4195	2260	2835	5095
1635	4-Door Station Wagon 8 cyl.	1825	2130	3955	1855	2240	4095	2175	2820	4995
1635P		1905	2150	4055	1935	2265	4200	2255	2845	5100
1635T		1835	2130	3965	1865	2245	4110	2185	2825	5010

1500-1600 KINGSWOOD

1545	4-Door Station Wagon 6 cyl. *	1810	2180	3990	1835	2305	4140	2060	3425	5485
1545P		1890	2205	4095	1915	2330	4245	2140	3455	5595
1645	4-Door Station Wagon 8 cyl. *	1815	2185	4000	1840	2305	4145	2065	3430	5495
1645P		1895	2210	4105	1915	2330	4245	2145	3455	5600
1645T		1825	2185	4010	1845	2310	4155	2075	3435	5510

1700-1800 NOMAD

1735	4-Door Station Wagon 6 cyl.	1840	2120	3950	1865	2230	4095	2185	2810	4995
1735P		1915	2140	4055	1945	2255	4200	2265	2835	5100
1835	4-Door Station Wagon 8 cyl.	1835	2125	3960	1860	2240	4100	2180	2820	5000
1835P		1910	2150	4060	1940	2265	4205	2260	2845	5105
1835T		1840	2130	3970	1870	2245	4115	2190	2820	5010

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

CURB WEIGHT: The weight of the empty vehicle ready to drive. It is the shipping weight plus the weights of gasoline and water. For the weight of gasoline add 105 pounds to the sedan delivery, sedan pickup, and station wagons except the 9 passenger models. Add 111 to the 9 passenger station wagon, 121 to all other models. For the weight of water add 35 pounds to the 6 cyl. models, 37 pounds to the 283 V-8 models, and 44 pounds to the 348 V-8 models.

LOADED WEIGHT: The curb weight of the basic vehicle plus a maximum of 150 pounds for each passenger.

Example:

Model 1119 (6 passenger) ----- 3710+900=4610

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

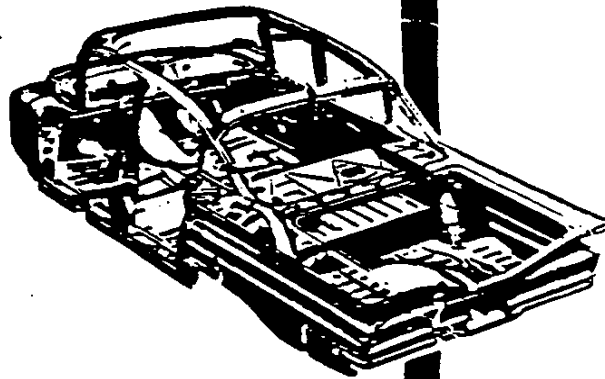
Example:

Model 1119 ----- 3710+600=4310

Note: Eight cylinder engine weights shown are for the standard 283 cu. in. V-8. For the optional 348 cu. in. V-8 add 145 pounds to front and total shipping weights, 152 pounds (engine weight plus water) to front and total curb and loaded weights.

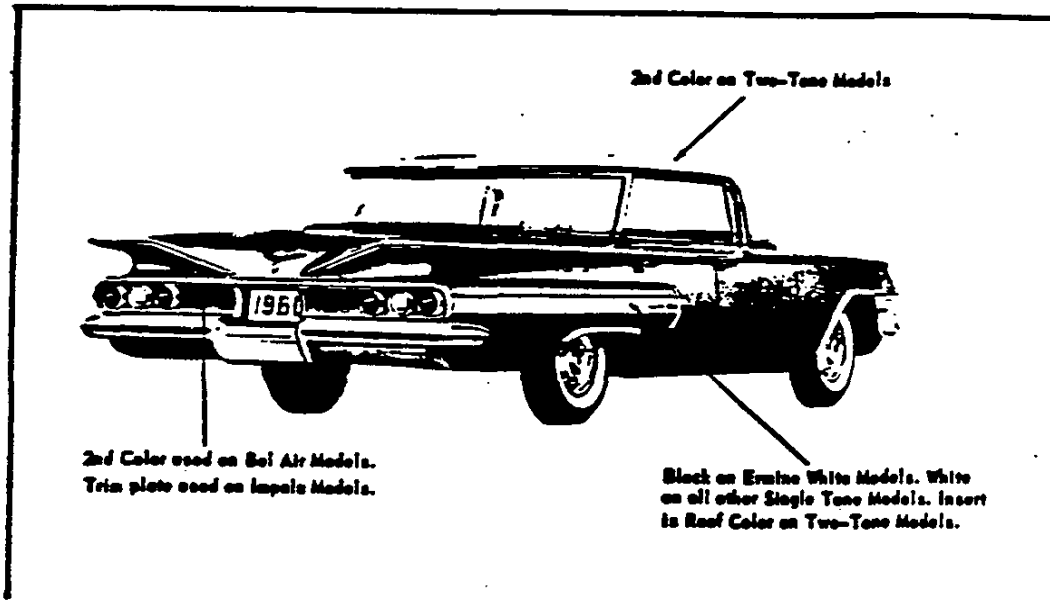
P - Powerglide; T - Turboglide * - 9 passenger

BODY



EXTERIOR PAINT	2
EXTERIOR - INTERIOR COLOR COMBINATIONS . . .	3
INTERIOR TRIM DISTRIBUTION	7
BODY GLASS	11
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EXTERIOR PAINT



NINE STEP FINISHING PROCESS

1. **Rustproofing . . .** The bare steel is thoroughly treated with chemicals that clean the metal and give it a corrosion-resisting surface. This chemical treatment also etches the metal which improves paint adhesion.
2. **Sheet Metal Primer . . .** A primer coat is applied to all outside and inside surfaces of the front fenders and hood. This is done by dipping or flowcoating to insure coating in all seams and secluded areas, and then baking at 390°F for 30 minutes. After baking, a coat of sealer is applied to all surfaces requiring a subsequent coat of lacquer.
3. **Body Primer . . .** Specially formulated corrosion resistant primers are used for all areas of the body where rust could possibly develop. Areas considered especially critical are subsequently coated with another type rust inhibiting compound after the lacquer coats have been applied.
4. **Primer-Surfacer Coat . . .** A primer-surfacer coat is applied to all outside surfaces of the body requiring lacquer and then oven baked a minimum of 45 minutes at 285°F.
5. **Sanding . . .** Power wet-sanding followed by hand sanding is done on all surfaces requiring lacquer. After sanding, surface is inspected and additional spot sanding is done to assure an absolutely smooth surface as a base for the lacquer.
6. **Lacquering . . .** Many coats of acrylic lacquer are now sprayed on the surfaces to build up a finish of the required thickness for each color.
7. **Final Baking . . .** To assure a durable, hard, high luster finish the lacquer is now baked 30 minutes at 235°F.
8. **Undercoating . . .** An asphaltous based - asbestos fiber type sound deadener is sprayed inside the wheel housings and on the underside of the underbody at designated locations to block out road noises.
- 9a. **Polishing . . .** Machine buffing with special pastes to provide both a high luster and a glassy smooth surface.
- 9b. **Paint Repair . . .** Any slight mars, nicks, or scratches that might occur during final assembly are factory-repaired and corrected before shipping.

EXTERIOR - INTERIOR COLOR COMBINATIONS

BISCAYNE SERIES, BROOKWOOD STATION WAGONS, EL CAMINO AND SEDAN DELIVERY

EXTERIOR		INTERIOR			
SOLID COLORS AND WHEELS AND LOWER BODY COLOR OF TWO-TONE MODELS	ROOF OF TWO-TONE MODELS**	FABRICS	PAINT		
Texado Black	Ermine White	Silver, Light and Medium Gray	Shadow Gray		
Roman Red					
Sateen Silver f					
Teaco Turquoise f					
Shadow Gray	Sateen Silver				
Suntan Copper f	Fawn Beige				
Fawn Beige f	---				
Ermine White	---				
Cascade Green	Ermine White			Light and Medium Green *	Jade Green
Jade Green	Cascade Green				
Crocus Green f	---				
Horizon Blue	Ermine White	Light and Medium Blue *	Royal Blue		
Royal Blue	Horizon Blue				

* - Silver, light and medium gray substituted for models 11-1221 and 11-1270; light and medium gray for Series 13-1400 models.
 f - Not available for models 11-1270

EXTERIOR – INTERIOR COLOR COMBINATIONS – Cont'd.

BEL AIR SERIES; KINGSWOOD AND PARKWOOD MODELS

EXTERIOR		INTERIOR	
SOLID COLORS AND WHEELS AND LOWER BODY COLOR OF TWO-TONE MODELS	ROOF OF TWO-TONE MODELS	FABRICS	PAINT
Tusado Black	Ermine White	Silver and Gray	Shadow Gray
Roman Red			
Sateen Silver			
Shadow Gray	Sateen Silver		
Ermine White	—		
Cascade Green	Ermine White	Light and Medium Green	Jade Green
Jade Green	Cascade Green		
Crocus Green	—		
Horizon Blue	Ermine White	Light and Medium Blue	Royal Blue
Royal Blue	Horizon Blue		
Sunton Copper	Fawn Beige	Light and Medium Copper	Sunton Copper
Fawn Beige	—		
Tesco Turquoise	Ermine White	Light and Medium Turquoise	Tesco Turquoise

IMPALA SERIES AND NOMAD STATION WAGON

EXTERIOR		INTERIOR	
SOLID COLORS AND WHEELS AND LOWER BODY COLOR OF TWO-TONE MODELS	ROOF OF TWO-TONE MODELS *	FABRICS	PAINT †
Tuxedo Black	Ermine White	White and Black	Tuxedo Black
Roman Red			
Sateen Silver			
Shadow Gray	Sateen Silver		
Ermine White	---	Light and Medium Green	Jade Green
Cascade Green	Ermine White		
Jade Green	Cascade Green		
Crocus Cream	---	Light and Medium Blue	Royal Blue
Horizon Blue	Ermine White		
Royal Blue	Horizon Blue		
Suntan Copper	Fawn Beige	Light and Medium Copper	Suntan Copper
Fawn Beige	---		
Tesco Turquoise	Ermine White	Light and Medium Turquoise	Tesco Turquoise
Ermine White	---		
Tuxedo Black	Ermine White	White and Red **	Roman Red
Roman Red			
Sateen Silver			
Shadow Gray	Sateen Silver		
Ermine White	---		

* - Not available for Convertible.

** - Not available for 4-Door Sedan.

† - Upper and lower portions of steering wheel are light-tone. Sides are dark-tone.

EXTERIOR - INTERIOR COLOR COMBINATIONS - Cont'd.

IMPALA CONVERTIBLE TOP COLORS

EXTERIOR COLORS	TOP COLORS			
	White	Black	Green	Blue
Tezode Black	✓	✓		
Ermine White	✓	✓		
Roman Red	✓	✓		
Shadow Grey	✓	✓		
Sateen Silver	✓	✓		
Horizon Blue	✓	✓		✓
Royal Blue	✓	✓		✓
Cascade Green	✓	✓	✓	
Jade Green	✓	✓	✓	
Suntan Copper	✓	✓		
Tesco Turquoise	✓	✓		
Fawn Beige	✓	✓		
Crocus Cream	✓	✓		

INTERIOR TRIM DISTRIBUTION

BISCAYNE SERIES AND BROOKWOOD STATION WAGONS

AREA		MATERIAL	TRIM COMBINATIONS			
			Silver and Gray	Light and Medium Green ^{zx}	Light and Medium Blue ^{zx}	
Seats	Cushion and Backrest		Pattern Cloth *	Medium Gray	Medium Green	Medium Blue
	Cushion and Backrest		Leather Grain Vinyl	Silver	Light Green	Light Blue
	Interior and Facing					
	Front Seat Back	Upper				
		Lower				
Lower Cross Bar						
Side Walls	Upper Area		Silver	Light Green	Light Blue	
	Dividing Wall		Medium Gray	Medium Green	Medium Blue	
	Lower Area and Scuff Pad					
Sunshade		Embossed Board	Light Gray ^z	Light Green	Light Blue	
Sunshade Binding		Leather Grain Vinyl				
Headlining		Cloth *				
Cowl Side Kick Panels		Embossed Board	Medium Gray	Medium Green	Medium Blue	
Floor Covering	Passenger Compartment	Rubber Mat				
	Load Compartment	Vinyl-Type Linoleum				
Rear Seat Side Wall **		Embossed Board				
Station Wagon Rear Side Walls and Wheelhouse Cover Panels		Leather Grain Vinyl				

- * - Pattern vinyl on station wagons
- ^z - Silver on station wagons
- ** - Models 11-1221 only
- ^{zx} - Not available on models 11-1221

INTERIOR TRIM DISTRIBUTION - Cont'd.

BEL AIR SERIES; PARKWOOD AND KINGSCWOOD STATION WAGONS

AREA		MATERIAL	TRIM COMBINATIONS				
			Gray & Silver	Lt. & Med. Green	Lt. & Med. Blue	Lt. & Med. Copper	Lt. & Med. Turquoise
Seats	Cushion and Backrest	Pattern Cloth**	Gray	Medium Green	Medium Blue	Medium Copper	Medium Turquoise
	Backrest Bolster						
	Cushion & Backrest Facing						
	Front Seat Back							Upper
	Lower						
Side Walls	Upper Area	Leather Grain Vinyl	Silver	Light Green	Light Blue	Light Copper	Light Turquoise
	Dividing Molding		Gray	Medium Green	Medium Blue	Medium Copper	Medium Turquoise
	Lower Area & Scaff Pad		Silver	Light Green	Light Blue	Light Copper	Light Turquoise
	Insert Area		Gray	Medium Green	Medium Blue	Medium Copper	Medium Turquoise
Armrests	Upper	Plastic	Gray	Medium Green	Medium Blue	Medium Copper	Medium Turquoise
	Lower						
Sunshades		Upholstered Embossed Board	Silver	Light Green	Light Blue	Light Copper	Light Turquoise
Headlining		Cloth x					
Sunshade Binding		Leather Grain Vinyl					
Cowl Side Kick Panels		Embossed Board	Gray	Medium Green	Medium Blue	Medium Copper	Medium Turquoise
Floor Covering		Carpet**					
Load Areas xx	Side Wall	Leather Grain Vinyl					
	Wheelhouse Cover Panel						
	Load Floor Covering	Vinyl-Type Linoleum					

- * - Plastic-backed pattern cloth on station wagons
- x - Pattern vinyl on station wagons
- ** - With medium color rubber inserts, front and rear
- xx - Station wagons only

• IMPALA SERIES AND NOMAD STATION WAGON

AREA		MATERIAL	TRIM COMBINATIONS					
			White and Black	Light and Medium Green	Light and Medium Blue	Light and Medium Copper	Light and Medium Turquoise	White and Red ^{xx}
Seats	Cushion	Pattern Cloth ^x	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red
	Backrest Bolster							
	Cushion Facing							
	Backrest	Leather Grain Vinyl	White	Light Green	Light Blue	Light Copper	Light Turquoise	White
	Backrest Insert							
	Upper Area							
	Front Seat Back							
	Lower Area							
Lower Cross Bar	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red		
Front Seat End Panels		Aluminum						
Side Walls	Upper Area, Lower Area and Scuff Pad	Leather Grain Vinyl	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red
	Insert Area	Textured Vinyl	White	Light Green	Light Blue	Light Copper	Light Turquoise	White
	Dividing Walts		Bright Vinyl					
Armrest		Leather Grain Vinyl	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red
Sunshade Binding			Textured Vinyl ^o	White	Light Green	Light Blue	Light Copper	Light Turquoise	White
Sunshade								
Headlining		Embossed Board	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red
Cowl Side Kick Panel								
Floor Covering		Carpet ^{oo}		Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red

^x - Pattern Vinyl for 17-1867.

^o - Cloth is used in models 17-1819.

^{xx} - Red is not available for models 17-1819.

^{oo} - Carpet with vinyl coated rubber inserts on 17-1867; vinyl type floor covering in cargo compartment of 17-1835.

INTERIOR TRIM DISTRIBUTION - Cont'd.

BISCAYNE FLEETMASTER, SEDAN DELIVERY AND SEDAN PICKUP

AREA		MATERIAL	TRIM COMBINATIONS			
BISCAYNE FLEETMASTER - MODELS 13-1411; 13-1419						
Seats	Cushion and Backrest		Leather Grain Vinyl	Gray		
	Cushion and Backrest Bolster			Silver		
	Cushion and Backrest Facing			Gray		
	Front	Upper		Silver		
	Seat	Lower				
	Back	Lower Cross Bar				
Side Walls	Upper Area		Vinyl-Coated Composition Board	Gray		
	Dividing Welt					
	Lower Area and Scuff Pad					
Sunshade		Embossed Board				
Sunshade Binding		Leather Grain Vinyl				
Headlining		Cloth				
Cowl Side Kick Panels		Embossed Board				
Floor Covering		Rubber Mat	Gray			
SEDAN DELIVERY - MODELS 11-1270						
Seats	Cushion and Backrest		Leather Grain Vinyl	Medium Gray		
	Cushion and Backrest Facing			Silver		
	Back of Backrest			Medium Gray		
Side Walls	Upper Area and Dividing Welt			Silver		
	Lower Area and Scuff Pad			Medium Gray		
Sunshade Binding						
Sunshade		Embossed Board	Silver			
Headlining		Pattern Vinyl				
Cowl Side Kick Panel		Embossed Board				
Floor Covering (front)		Vinyl Covered Rubber				
Rear Compartment	Side Panels		Paint	Medium Gray		
	Wheelhouses					
	Rear Door					
	Load Platform					
EL CAMINO SEDAN PICKUP - MODELS 11-1280						
Seat	Cushion and Backrest		Pattern Vinyl	Medium Gray	Medium Green	Medium Blue
	Cushion and Backrest Bolster		Leather Grain Vinyl	Silver	Light Green	Light Med. Blue
	Cushion and Backrest Facing					
	Front	Upper		Medium Gray	Medium Green	Medium Blue
	Seat	Lower				
Back	Lower Cross Bar					
Side Walls	Upper Area and Dividing Welt		Silver	Light Green	Light Blue	
	Lower Area and Scuff Pad		Medium Gray	Medium Green	Medium Blue	
Sunshade Binding						
Sunshade		Embossed Board	Silver	Light Green	Light Blue	
Headlining		Pattern Vinyl				
Cowl Side Kick Panel						
Storage Compartment (behind seat)		Embossed Board	Medium Gray	Medium Green	Medium Blue	
Floor Covering		Vinyl Covered Rubber				

BISCAYNE SERIES, BROOKWOOD STATION WAGONS, EL CAMINO AND SEDAN DELIVERY

AREA		MATERIAL	TRIM COMBINATIONS					
			White and Black	Light and Medium Green	Light and Medium Blue	Light and Medium Copper	Light and Medium Turquoise	White and Red ^{xx}
Seats	Cushion	Pattern Cloth ^x	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red
	Backrest Bolster							
	Cushion Facing							
	Backrest	Leather Grain Vinyl	White	Light Green	Light Blue	Light Copper	Light Turquoise	White
	Backrest Insert							
	Upper Area							
	Lower Area							
Front Seat Back	Lower Cross Bar	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red	
Front Seat End Panels		Aluminum						
Side Walls	Upper Area, Lower Area and Scuff Pad	Leather Grain Vinyl	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red
	Insert Area	Textured Vinyl	White	Light Green	Light Blue	Light Copper	Light Turquoise	White
	Dividing Walls	Bright Vinyl						
Armrest	Leather Grain Vinyl	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red	
Sunshade Binding	Textured Vinyl [*]	White	Light Green	Light Blue	Light Copper	Light Turquoise	White	
Sunshade								
Headlining								
Cowl Side Kick Panel	Embossed Board	Black	Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red	
Floor Covering	Carpet ^{**}		Medium Green	Medium Blue	Medium Copper	Medium Turquoise	Red	

^x - Pattern Vinyl for 17-1867.

^{*} - Cloth is used in models 17-1819.

^{xx} - Red is not available for models 17-1819.

^{**} - Carpet with vinyl coated rubber inserts on 17-1867; vinyl type floor covering in cargo compartment of 17-1835.


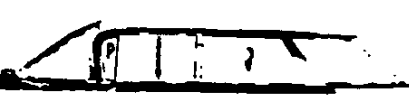
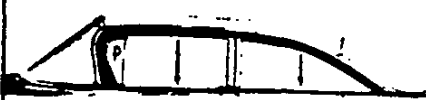


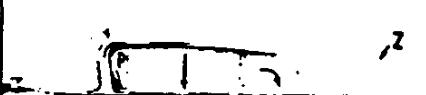


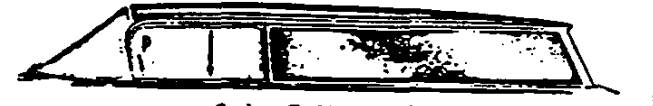
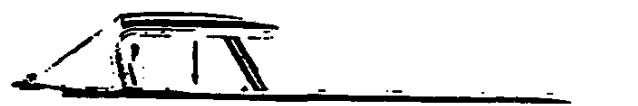
INTERIOR TRIM DISTRIBUTION - Cont'd.

BISCAYNE FLEETMASTER, SEDAN DELIVERY AND SEDAN PICKUP

AREA		MATERIAL	TRIM COMBINATIONS			
BISCAYNE FLEETMASTER - MODELS 13-1411; 13-1419						
Seats	Cushion and Backrest		Leather Grain Vinyl	Gray		
	Cushion and Backrest Bolster			Silver		
	Cushion and Backrest Facing			Gray		
	Front Seat	Upper		Silver		
		Lower				
Back	Lower Cross Bar					
Side Walls	Upper Area		Vinyl-Coated Composition Board	Gray		
	Dividing Welt					
	Lower Area and Scuff Pad					
Sunshade		Embossed Board				
Sunshade Binding		Leather Grain Vinyl				
Headlining		Cloth				
Cowl Side Kick Panels		Embossed Board				
Floor Covering		Rubber Mat	Gray			
SEDAN DELIVERY - MODELS 11-1270						
Seats	Cushion and Backrest		Leather Grain Vinyl	Medium Gray		
	Cushion and Backrest Facing			Silver		
	Back of Backrest			Medium Gray		
Side Walls	Upper Area and Dividing Welt			Silver		
	Lower Area and Scuff Pad			Medium Gray		
Sunshade Binding			Silver			
Sunshade		Embossed Board				
Headlining		Pattern Vinyl				
Cowl Side Kick Panel		Embossed Board				
Floor Covering (front)		Vinyl Covered Rubber	Medium Gray			
Rear Compartment	Side Panels					
	Wheelhouses					
	Rear Door					
	Load Platform					
Paint						
EL CAMINO SEDAN PICKUP - MODELS 11-1280						
Seat	Cushion and Backrest		Pattern Vinyl	Medium Gray	Medium Green	Medium Blue
	Cushion and Backrest Bolster		Leather Grain Vinyl	Silver	Light Green	Light Med. Blue
	Cushion and Backrest Facing					
	Front Seat	Upper		Medium Gray	Medium Green	Medium Blue
		Lower				
Back	Lower Cross Bar					
Side Walls	Upper Area and Dividing Welt		Silver	Light Green	Light Blue	
	Lower Area and Scuff Pad		Medium Gray	Medium Green	Medium Blue	
Sunshade Binding			Silver			
Sunshade		Embossed Board				
Headlining		Pattern Vinyl				
Cowl Side Kick Panel		Embossed Board				
Storage Compartment (behind seat)			Medium Gray	Medium Green	Medium Blue	
Floor Covering		Vinyl Covered Rubber				

BODY GLASS

WINDOW ACTION

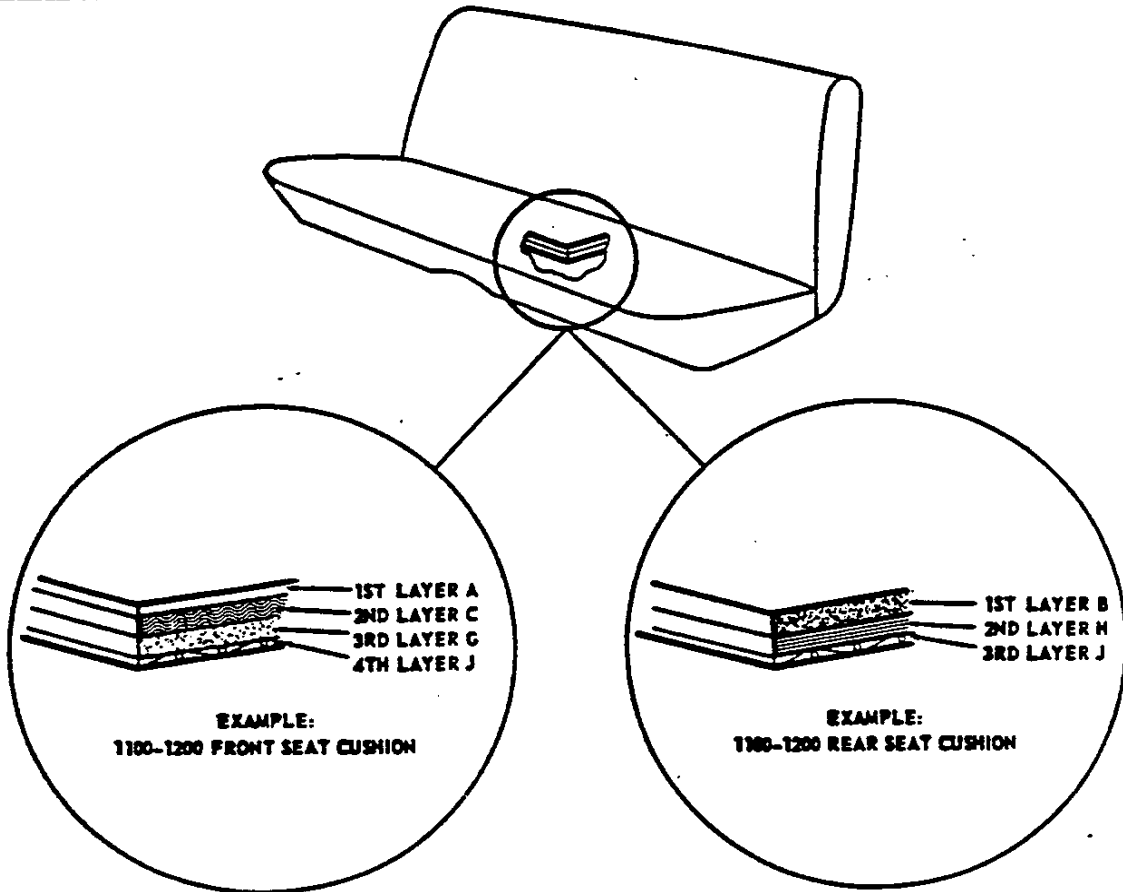
 4-Door Sedan (19)	 4-Door Sport Sedan (39)	 2-Door Sedan (11)
 2-Door Utility Sedan (21)	 2-Door Sport Coupe (37)	 2-Door Convertible (67)
 2-Door Station Wagon (15)	 4-Door Station Wagon 6-pass. (35), 9 pass. (45)	
 Sedan Delivery (70)	 Sedan Pickup (80)	
<p>P-Pivoting, crank vent F-Fixed glass Z-Zip out }-"Monkey" action ~-Rotating</p>		

BODY GLASS TYPE AND VISIBILITY AREA

Location	19	39	11	37	21	67	70	80	15	35	45	
Windshield	Laminated Safety Plate, One Piece, Straight Element*											
	1740.1	1711.8	1740.1	1711.8	1740.1	1711.8			1740.1			
Front Door	Laminated Safety Plate											
	Ventipane	94.2	75.4	94.2	75.4	94.2	75.4		94.2			
Window	SSP	SSP	SSP	SSP	SSP	SSP			SSP			
	524.1	463.1	726.6	679.9	726.6	646.6	726.6	597.0	726.6	524.1		
Rear Door Window	SSP	SSP									SSP	
	665.8	589.2									722.0	
Rear Quarter	Window		SSP	SSP	SSP	SSP			SSP			
			623.1	476.2	608.2	288.0			543.6			
	Fixed Vent	SSP							Safety Solid Plate			
Rear Side	109.2							159.6	181.4			
Back Window	Safety Solid Plate, crvd											
											1076.7	
Total V. A. (sq. in.)	Safety Solid Plate, curved					Plastic		Safety Solid Plate, curved				
	1553.7	1309.1	1553.7	1726.8	1553.7	963.3	579.2	1034.5		623.2		
	4687.1	4148.6	4737.7	4670.1	4722.8	3685.1	3140.1	3465.8	4964.0		4961.7	

*- All except Sport Sedans, Sport Coupes, and Convertible which have one piece, compound curved.

SEAT PADDING

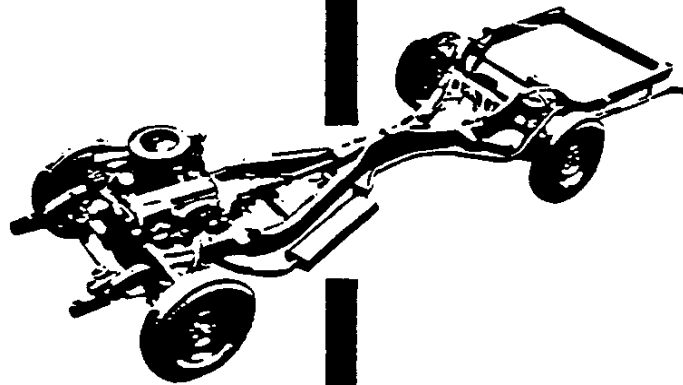


MATERIAL APPLICATION	1100-1200-1300-1400 V						1500-1600					1700-1800						
	11	15	19	21	35	70	80	11	19	35	37	39	45	19	35	37	39	67
Front Seat Cushion	A-C-G-J						M-K G-J	A-D-G-J					A-E F-J	A-D G-J	A-E-F-J			
Rear Seat Cushion	B-H-J						A-C-G-K					A-C L	A-E-J					
Second Seat Cushion	B-H J						A-C G-K					A-C G-K	A-E L					
Third Seat Cushion												N-E L						

* - 1st layer - 1-3/4 oz. cotton topper; 2nd layer - 3" to 1" molded polyurethane pad with integral burlap insulator as 3rd layer. V - 1300-1400 series applicable to models 1311-1319; 1411-1419 only.

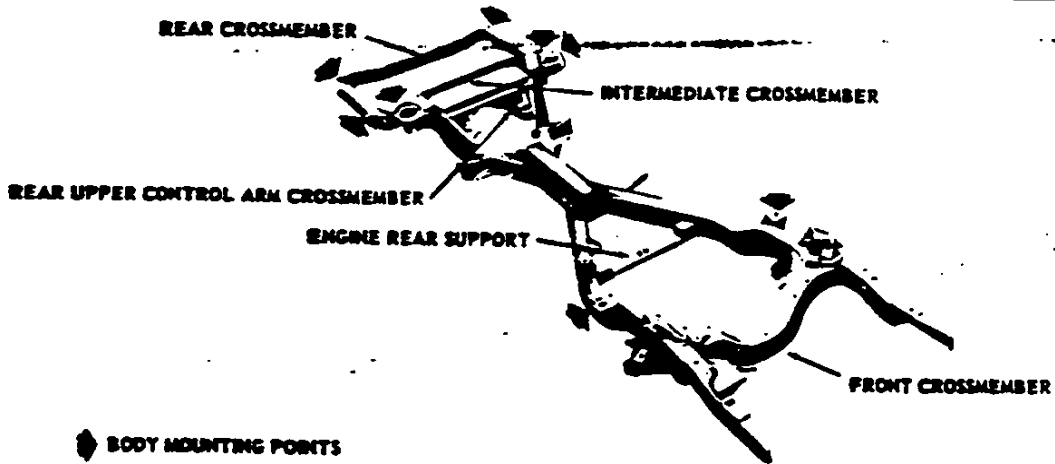
ITEM	MATERIAL TYPE
A	Cotton Topper - 3 oz
B	Cotton Pad - 6 oz
C	Polyurethane - 3/4"
D	Polyurethane - 1"
E	Polyurethane - 1-3/4"
F	Cotton Base Pad - 3 oz
G	Cotton Base Pad - 5 oz
H	Jute Pad 5 oz
J	Wire - Burlap Insulator
K	Burlap - Plastic Insulator
L	Burlap (Composite) Insulator
M	Cotton Base Pad - 8 oz
N	Cotton Topper - 1-3/4 oz.

CHASSIS



FRAME	2
FRONT SUSPENSION	3
STEERING	5
REAR SUSPENSION	6
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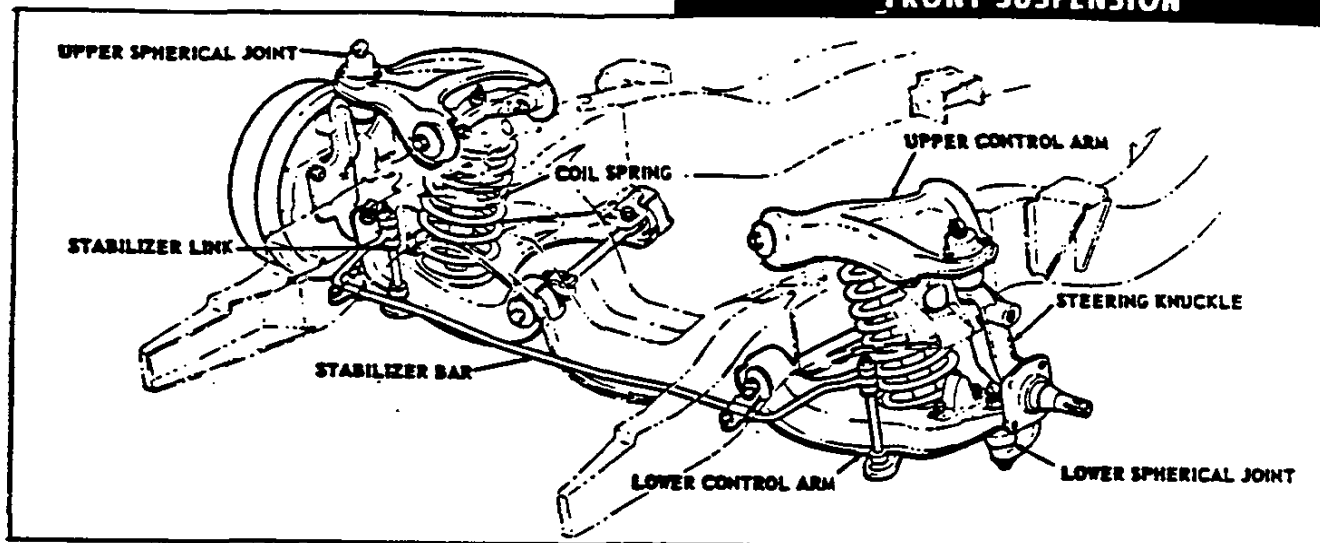
FRAME



GENERAL

Type	All welded X-design
Number of cross members	4
Sidemember Section:	
Modulus (in ³)	1.90
Moment of inertia	4.27
Maximum Overall Length (Approx.)	195.3
Maximum Width (over sidemembers at rear cross-member)	47.50
Convertible Frame	Steel plates welded to top and bottom of sidemember and center beam.
Body Mounting Points:	
Total, all models except convertible	8
convertible	12

FRONT SUSPENSION



GENERAL

Make ----- Chevrolet
 Type ----- Independent, combining long and short control arms with spherical joints and coil springs.
 Provision for car leveling ----- Stabilizer bar
 Provision for brake dip control ----- Mounting angle of upper control arms

WHEEL TRAVEL

Vertical, Loaded Conditions

Metal to Metal ----- 3.90 up, 4.54 down
 Wheel to Spring Ratio ----- 1.87:1

SPRING BUMPERS

Material and number ----- Rubber, 2 each RH & LH
 Location ----- On top side of lower control arm and top side of frame crossmember.

SPHERICAL JOINTS

Type ----- Ball stud and socket in assembly, self adjusting for wear.

Number ----- 1 each, upper and lower; LH & RH

Ball Stud:

Material ----- Hot rolled steel hardened and ground

Ball spherical diameter:

Upper ----- 1.304-1.308

Lower ----- 1.246-1.250

Bearings ----- Non-metallic; molded, phenolic impregnated fabric.

Seals:

Upper ----- Rubber with bonded nylon bushing

Lower ----- Rubber with steel cover

Socket:

Type and material:

Upper ----- Two cup-shaped steel stampings bonded by grease-tight weld with rubber type loading ring to compensate for wear.

Lower ----- Forged seat and stamped socket, each cup shaped, and bonded by grease tight peening.

Lubrication ----- Through 4 high pressure fittings, one at top of each socket.

WHEEL BEARINGS

Type (inner and outer) ----- Single row ball

STEERING KNUCKLE

Type ----- Forged steel with integral brake cylinder mounting, detachable steering arms.

Spindle Diameters:

At inner bearing ----- 1.2490-1.2495

At outer bearing ----- .7490-.7495

Spindle thread size ----- 3/4-20

SHOCK ABSORBERS

Make ----- Delco

Type ----- Direct, double acting hydraulic

Mounting ----- Vertically from lower control arm through coil spring to fr. suspension crossmember.

Piston Diameter and Travel ----- 1.00; 4.9375

STABILIZER BAR

Type ----- Link

Material ----- Hot rolled steel

Diameter ----- 0.6875

Bushings ----- Rubber; 10 (1 each at frame side rail and 4 each left hand and right hand at link attachment).

Usage ----- All except 1111-19-21; 11-1270; 11-1280; 1311-19; 1511-19-37-39

CONTROL ARM BUSHINGS

Type and number ----- Pre-loaded rubber; 8 (2 each pivot shaft, left hand and right hand).

Material ----- Steel encased rubber

Size:

Upper ----- .670-.677 x 1.76 approximately

Lower ----- .737-.744 x 2.08 approximately

FRONT WHEEL ALIGNMENT:

Caster ----- 0°±30'

Camber ----- +30'±30'

Steering axis inclination ----- 7°11'

Toe-in (per wheel) ----- 1/16-1/8

FRONT SPRINGS

Application	Series	▼ 1100-1200-1300-1400							1500-1600							1700-1800				
	Model	11	15	19	21	35	70	80	11	19	35	37	39	45	19	35	37	39	67	
6 Cylinder	Manual	C	A	C	C	A	B	B	C	C	A	C	A	C	A	A	A	A	E	
	Powerglide	D	E	D	D	E	B	B	D	D	E	D	E	D	E	E	E	E	J	
	Air Manual	K	J	K	K	J		D	K	K	J	K	K	K	J	J	J	J	F	
	Cond. P/glide	D	F	D	D	F		K	D	D	F	D	D	D	F	F	F	F	G	
V-8 283 cu.in.	Manual or TG	A	A	A	A	A	B	B	A	A	A	A	A	C	A	A	A	A	E	
	Powerglide	E	E	E	E	E	B	B	E	E	E	E	E	D	E	E	E	E	J	
	Air PG	F	F	F	F	F		K*	F	F	F	F	F	L	F	F	F	F	G	
	Cond. TG	J	J	J	J	J		D*	J	J	J	J	J	K	J	J	J	J	F	
V-8 348 cu.in.	Manual or TG	E	E	E	E	E			E	E	E	E	E	K	E	E	E	E	J	
	Powerglide	J	J	J	J	J			J	J	J	J	J	K	J	J	J	J	F	
	Air PG	G	G	G	G	G		L*	G	G	G	G	G	L	G	G	G	G	H	
	Cond. TG	F	F	F	F	F		K*	F	F	F	F	F	L	F	F	F	F	G	

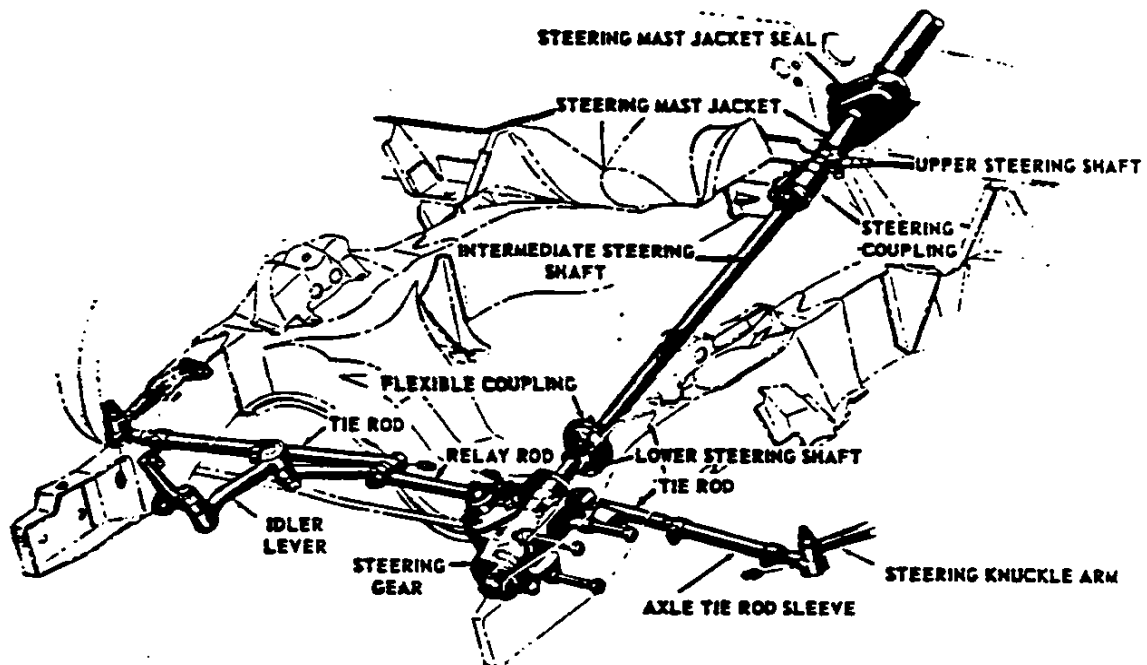
* - 1280 only

Application	A	B	C	D	E	F	G	H	J	K	L		
Part No	3741497	3746851	3746852	3746853	3758760	3758763	3759987	3764408	3764582	3752906	3752908		
Type	Right hand helix												
Material	High alloy steel												
No. coils	867-1011	7.67-9.11				8.67-10.11				7.67-9.11			
Wire Dia	.630	.664				.630	.648				.664		
Outside dia	5.062	5.130				5.062	5.098				5.130		
Pitch dia	4.432	4.466				4.432	4.450				4.466		
Ht	Free	17.05	15.03	15.32	15.53	17.33	17.08	17.27	17.56	16.82	15.76	15.98	
	Working	10.30@ 1855#	10.30@ 1750#	10.30@ 1855#	10.30@ 1935#	10.30@ 1935#	10.30@ 2100#	10.30@ 2160#	10.30@ 2250#	10.30@ 2020#	10.30@ 2020#	10.30@ 2100#	
HT-curb wt	10.88	10.68	10.72	10.72	11.10	10.83	11.27	11.13	11.24	10.64	10.67		
Cap @ grd*		1095	1130			1240	1270	1320	1195	1195	1235		
Deflection rate	a 275 lb/in	370 lb/in				275 lb/in	310 lb/in				370 lb/in		
	b 96 lb/in	129 lb/in				96 lb/in	108 lb/in				129 lb/in		

* - Includes unsprung weight
a - At spring
b - At wheel

▼ - 1300-1400 Series includes 13-1411; 13-1419 only

STEERING



STEERING GEAR

Make	Saginaw
Type	Semi-reversible recirculating ball
Gear Ratio	24:1
Overall Ratio (Approx.)	28:1
Steering Mainshaft Diameter .....	.750
Steering Column Diameter	2.01
Steering Wheel Diameter	17.00
Turning Diameters	
Outside front:	
Right and left wall to wall	43.6 Ft.
Right and left curb to curb	40.8 Ft.
Inside rear:	
Right and left wall to wall	23.2 Ft.
Right and left curb to curb	24.5 Ft.
Outside Wheel Angle with Inside Wheel@20°	17°54'
Number of Wheel Turns:	
To steering gear stop	6.14
To wheel stops on control arm	5.80

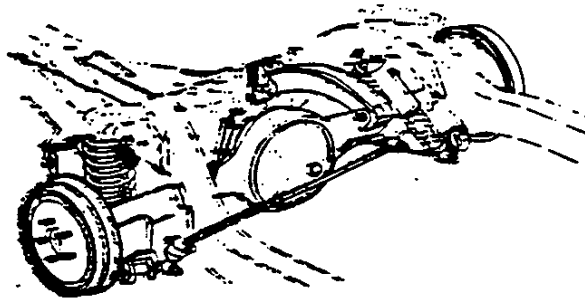
LINKAGE

Type	Relay
Location	To front of wheels
Tie Rods	2

POWER STEERING (RPO 324):

Make	Saginaw
Type	Hydraulic
Pump:	
Type	Vane
Mounting -- 6 cyl. --	On bracket above generator
8 cyl. --	On bracket below generator
Drive	From the crankshaft pulley.
Maximum pump pressure	750-800 PSI
Fluid capacity	1.5 pts.
Generator:	
Make	Delco-Remy
Model	1102115
Pulley size (pitch diameter)	3.32, 36° V
Ratio (generator to engine speed)	2.00:1
Belt size:	
Reg. prod. 6-cyl. eng.--	.310x44.50 pitch length
Reg. prod. 8-cyl. eng.--	.310x56.00 pitch length
Power Application	Double acting
piston in power cylinder is actuated by control valve after approximately 3 pounds of pressure is exerted at the steering wheel.	
Overall Ratio	24:1
Gear Ratio	20:1
Number of wheel turns	5.20

REAR SUSPENSION



GENERAL

Make ----- Chevrolet
 Type ----- Four-link with an upper control arm, a lateral control bar, and 2 lower control arms, coil springs.
 Provision for squat control ----- Rear suspension geometry, drive and torque taken through upper and lower control arms.

WHEEL TRAVEL

Vertical, Loaded Conditions
 Metal to Metal ----- 4.32 up, 5.56 down
 Wheel to Spring Ratio ----- 1.51:1

SUSPENSION BUMPERS

Material and number ----- Rubber, 1 each RH & LH
 Location ----- On under side of frame at top of kick-up

LATERAL CONTROL BAR

Mounting ----- Pivotaly attached at right side of axle housing banjo and at frame left sidemember.
 Diameter ----- 7/8"
 Length (to C. of bushings) ----- 30.35-31.47

SHOCK ASSEMBLERS

Make ----- Delco
 Type ----- Direct, double acting hydraulic
 Mounting ----- Short cantilever brackets welded to frame sidemember at upper end and to rear spring anchor plate at lower end.
 Piston Diameter and Travel ----- 1.00; 8.4375

CONTROL ARMS

Mounting:
 Upper ----- Pivotaly attached at forward end to frame right sidemember, and on axle housing banjo at rear.
 Lower ----- Pivotaly attached at forward end to frame brackets and at rear to axle housing brackets.

WHEEL BEARINGS

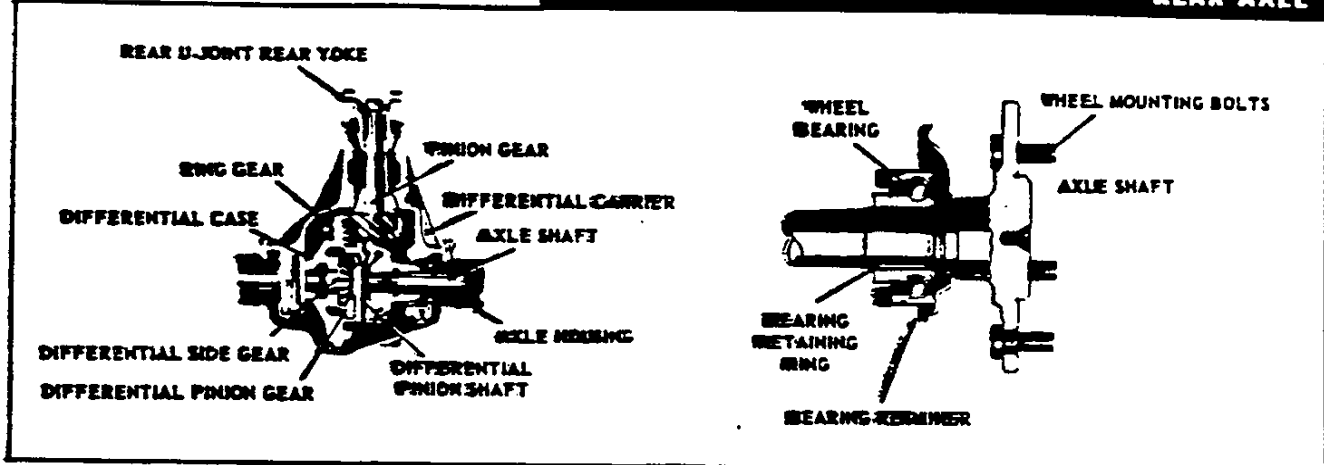
Type ----- Single row ball

REAR SPRINGS *

Series	1100-1200-1300-1400								1500-1600					1700-1800					
Models	11	15	19	21	35	70	80	11	19	35	37	39	45	19	35	37	39	67	
Standard	6 Cyl	D	C	D	D	C	E	E	D	D	C	H	D	A	B	C	G	B	D
	V-8	B	A	B	B	C	E	E	B	B	C	G	B	A	B	C	G	B	D
Heavy Duty	6 Cyl	E	A	E	E	A	F	F	E	E	A	E	E	-	E	A	E	E	E
	V-8	E	A	E	E	A	F	F	E	E	A	E	E	-	E	A	E	E	E
Model Application	A		B			C		D		E		F		G		H			
Part Number	3777137		3777136			3765137		3777133		3777134		3777138		3772910		3774513			
Make and Type	Chevrolet, right hand helix																		
Material	High alloy steel																		
Number of Coils	7.8, 9.41			8.8, 10.41				7.8 active, 9.41 total					8.8, 10.41				7.8, 9.41		
Wire Diameter	.681		.583			.648		.587		.630			.583		.587				
Outside Diameter	5.000		4.804			4.934		4.812		4.898			4.804		4.812				
Pitch Diameter	4.319		4.221			4.286		4.225		4.268			4.221		4.225				
Height	Free	15.06		16.66			16.02		15.77		15.03		15.47		16.33		15.44		
	Working	9.88 @ 2330#		9.88 @ 1560#			9.55 @ 2200#		9.88 @ 1560#		9.88 @ 1750#		9.88 @ 1900#		9.55 @ 1560#		9.55 @ 1560#		
Height Under Curb Wt	10.58		9.55			10.32		9.55		9.80		10.24		9.55		9.55			
Capacity at Ground*	1700		1195			1615		1195		1315		1415		1195		1195			
Deflection Rate	At spring	450 lb/in		230 lb/in			340 lb/in		265 lb/in		340 lb/in			230 lb/in		265 lb/in			
	At wheel	175 lb/in		101 lb/in			145 lb/in		112 lb/in		145 lb/in			101 lb/in		112 lb/in			

* - Includes unsprung weight

REAR AXLE



GENERAL

Make ----- Chevrolet
 Type ----- Semi-floating
 Rating ----- 3000 lb.
 Four Link Suspension Drive:
 Drive and torque taken through --- All control arms
 Lateral forces taken through --- Lateral control bar
 Housing Type ----- Pressed steel banjo, two
 piece welded construction with axle housing cover
 welded in place.
 Lubricant Capacity ----- 4 pints
 Lubricant Recommended ----- SAE 90 passenger
 car hypoid lubricant or "Multi-Purpose" lubricant.

AXLE SHAFT

Type and Material ----- Forged and hardened steel
 with wheel drive flange forged integral with shaft.
 Minimum Diameter ----- 1.76
 Oil Seal ----- Steel encased spring loaded
 synthetic rubber (part of rear wheel bearing assy.)
 Hub Attachment ----- Bolted to
 integrally forged wheel drive flange.

DIFFERENTIAL

Type ----- Two pinion with cast Armasteel housing
 Drive Pinion Offset ----- 1.5
 Ring Gear Pitch Diameter and O.D. ----- 3.375

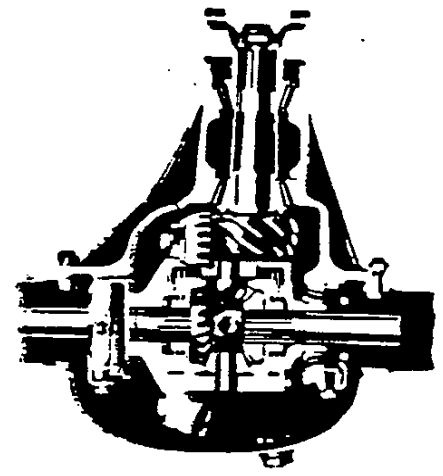
POSTRACION

Make and Type ----- Spicer, limited slip,
 with dual multiple disc clutches applied by reaction
 to drive line torque through the differential side
 gears.
 Available ratios ----- 3.08, 3.36, 3.55, & 3.70:1
 Clutch Driving Plate No. and Mat. ----- 4, CR steel
 Clutch Driven Plate No. and Mat. ----- 4, CR steel
 Number of Pinions ----- 4
 Active faces ----- 3

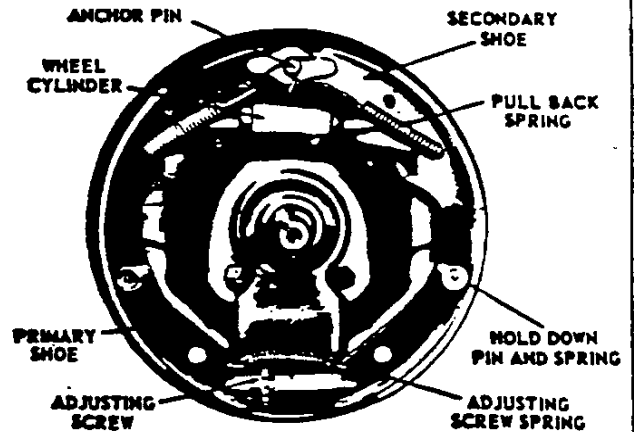
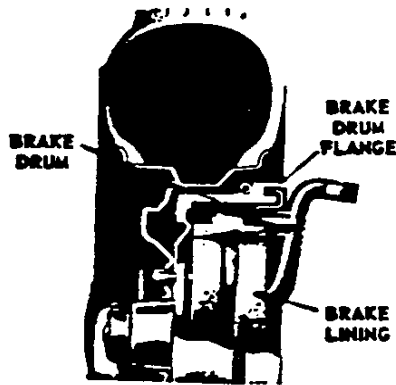
GEARS, FINAL DRIVE

ENGINE & TRANSMISSION	TYPE	RATIO	RING & PINION
235 cu.in. - 3-speed	Hypoid	3.55:1	9-32
283 & 348 cu.in. - 3-speed		3.36:1*	11-37
295 & 283 cu.in. - O'drive		3.70:1	10-37
348 cu.in. - 4-speed		3.70:1	10-37
235 cu.in. - Powerglide		3.36:1	11-37
283 & 348 cu.in. - Powerglide		3.08:1	12-37
348 spec. cam - H.D. Powerglide		3.55:1	9-32
283 cu.in. - Turboglide		3.36:1	11-37
348 cu.in. - Turboglide		3.08:1	12-37

* - 3.70 with 348 cu. in. and special camshaft.



BRAKES



SERVICE BRAKES

Make ----- Chevrolet
 Type ----- Servo, four wheel hydraulic
 Brake Drum:

Type ----- Composite
 Rim material ----- Cast alloy iron
 Web material ----- Pressed steel
 Diameter, front and rear ----- 11
 Total effective area ----- 328 sq. in.

Distribution of Braking Effort (theoretical):

On front wheels ----- 58.5%
 On rear wheels ----- 41.5%

Brake Lining (dimensions after grinding):

Material ----- Full molded asbestos composition
 Width, front brakes ----- 2.75
 Width, rear brakes ----- 2.00
 Thickness (Minimum) ----- .168
 Length per wheel ----- 21.00
 Length, primary shoe ----- 9.30
 Length, secondary shoe ----- 11.70
 Method of attachment to shoe ----- Bonded
 Clearance ----- Adjust to a light drag and back off seven notches.
 Total effective area ----- 185.6 sq. in.*

Master Cylinder:

Mounting ----- Under hood on dash panel
 Diameter ----- 1.0
 Piston travel (Max.) ----- 1.329

Wheel cylinders:

Mounting ----- Front, on wheel spindles, rear, on backing plate.
 Front, inside diameter ----- 1.1875
 Rear, inside diameter ----- 1.00

Braking Ratio:

Pedal ----- 6.21:1
 Hydraulic ----- 4.82:1
 Total overall ----- 29.93:1

* - Gross lining area is 199.5 square inches.

All primaries have .38 inch full length groove.

Foot Pedal:

Type ----- Pendant
 Travel ----- 6.38
 Mounting ----- On brace under dash
 Brake system fluid capacity --- 0.70 pint (approx.)
 Line pressure @ 100 lb. pedal load ----- 750

PARKING BRAKE

Make and Type ----- Chevrolet, mechanical pull rods and cables operate the two rear service brakes.

Total Effective Lining Area ----- 77 sq. in.
 Control ----- Applied by pendulum foot pedal; released by T-handle below instrument panel left of steering column

POWER BRAKES (RPO 412)

Type ----- Regular production master cylinder assisted by vacuum power unit.
 Power Unit Location ----- Mounted on dash under hood.

Braking Assistance (percentage):

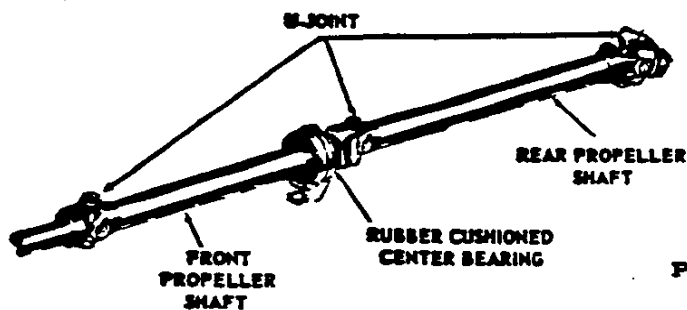
By vacuum cylinder ----- 40%
 By foot pedal ----- 60%

Braking Ratio:

Pedal ----- 3.43:1
 Hydraulic ----- 4.82:1
 Overall ----- 16.53:1
 Pedal Load to Actuate Power Brakes ----- 10 lb.

STOP LIGHT SWITCH (Reg. prod. & RPO 412)

Type ----- Mechanical
 Mounting ----- Under dash



DRIVELINES

SPLINES

- Clutch Disc to Trans. Clutch Gear Shaft ----- 10 straight side
- Trans. Mainshaft to Fr. U-joint Fr. Yoke ----- 16 involute
- Fr. Prop. Shaft to Intermediate U-joint Fr. Yoke ----- 9 straight side †
- Rear U-joint R. Yoke to R. Axle Pinion Shaft ----- 17 involute
- Diff. Side Gears to R. Axle Shafts ----- 17 involute

UNIVERSAL JOINTS

- Make ----- Chevrolet
- Number ----- Three
- Type ----- Yoke and spider (trunnion)
- Bearing (intermediate) ----- Prepack, anti-friction

PROPELLER SHAFTS

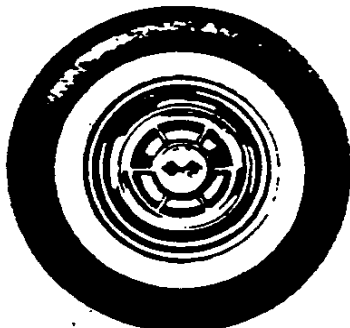
- Make ----- Chevrolet
- Number and Type ----- Two, tubular exposed
- Tube Outside Diameter - (front and rear)-1.995-2.003
- Tube Length:
- Front:
- 3-speed, 4-speed ----- 30.12
- Overdrive ----- 24.97
- Automatic ----- 24.03
- Rear:
- 3-speed, 4-speed, Overdrive, Automatic -- 35.00
- Tube Wall Thickness ----- .097

End Types:

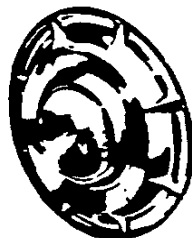
- Front shaft, fr.; rear shaft fr. & rr.--Welded yoke
- Front shaft, rear ----- Three
- Drive and Torque taken through ----- Upper and lower control arms

† - On 10 spline spacing; one spline extra width.

WHEELS AND TIRES



STANDARD HUB CAP
ALL MODELS



ACCESSORY WHEEL DISC
ALL MODELS

WHEELS

- Make and Type ----- Chevrolet, short spoke disc.
- Attachment to hub ----- 5 studs, 7/16-20
- Offset and rim size ----- .560 x 14 x 5J
(14 x 5-1/2 J on 9-pass. wagon)

TIRES

- Type ----- Rayon, Tubeless, blackwall
- Size and Ply Rating:
- Convertible ----- Sedan Delivery, Sedan Pickup and Station Wagons ----- 8.00-14-4 *
- Balance of line ----- 7.50-14-4

TUBELESS TIRE DATA

Tire size and rating	Loaded rolling radius	Loaded rev's per mile	Loaded cap. each tire	Pressure	
				Frt.	Rr.
7.50-14-4	12.78	789	1085	24	24
8.00-14-4	13.01	774	1175	24	24 [§]
8.50-14-4	13.30	760	1265	24	24
6.70-15-4 [#]	13.31	760	1065	24	24

\$- Rear pressure on 9-pass wagon 28 lb.
#- RPO 330 Taxi Equipment only.

*- 8.50-14-4 optional on Sedan Delivery and Sedan Pickup.

ELECTRICAL COMPONENTS

HEADLIGHTS

Make Guide, T-3
 Type Dual, horizontal
 Sealed Beam Unit Diameter 5.75
 Dimmed By Foot switch
 High Beam Indicator Chevrolet emblem
 in speedometer face
 Watts 37.5-50
 Volts 12-16
 Location Outer extremity
 of radiator grille

PARKING LIGHTS

Location Below outer
 ends of front bumper
 Bulb Replacement Remove screws in bezel
 Controlled By Main switch

TAIL AND STOP LIGHTS

Make Guide Lamp
 Type Two dual tail lights, the outer
 lights serving as stop lights and direction signals

DIRECTIONAL SIGNAL

Make Guide Lamp
 Type Flasher, front and rear,
 self cancelling
 Front Uses double filament
 parking bulb
 Rear Uses double filament
 parking lamp bulb
 Turn Indicators on Dash Circles at
 lower outer sides of speedometer face

BACK-UP LIGHTS

Location On Impala Series lights are
 centered between each dual tail light.
 On Biscayne, Bel Air and Nomad Station Wagon
 Series lights are mounted below outer ends of
 bumper
 Impala Series & Nomad Series--- Regular production
 All others Optional

INSTRUMENT PANEL LIGHTING

Temperature Gauge Clear white light
 Gasoline Gauge Clear white light
 Speedometer Dial Clear white light
 High Beam Indicator Red when lighted
 Oil Pressure Indicator The word "OIL"
 (black letters on red background) visible when oil
 pressure is below safety level.

Generator The word "GEN"
 (black letters on red background) visible when gen-
 erator is not charging.

Turn Indicators Green when lighted
 Heater and Radio Controls Reflected
 green light

Glove Compartment Clear white
 light when switch is actuated by opening compart-
 ment door.

MAIN SWITCH

Type Three position "pull" type switch
 mounted on instrument panel with protective fuse.
 A rheostat operated by rotating the switch knob con-
 trols the brightness of the instrument panel lights.
 Passenger compartment lights are controlled by a
 detent in the rheostat when switch knob is rotated to
 extreme travel counter clockwise.

PASSENGER COMPARTMENT LIGHTS

Impala Sport Coupe and Sport Sedan Dual
 roof rail lamps
 Convertible Dual courtesy lamps,
 one under instrument panel each side.
 Station Wagon (9-Passenger) Single courtesy
 lamp on left side to rear of third seat.
 Station Wagons Single dome light
 located approximately at center of roof. In addition
 to switches listed below, a manual switch is provided
 at light.
 Manually Controlled By Main switch
 Automatically Controlled By Opening
 front doors only on 15-16-17-1800 Series. No auto-
 matic control on 11-1200, 13-1400 Series.

REAR LICENSE LIGHTS

Station Wagons Outer extremity
 of license recess
 All Others Two bulbs in upper side
 of recess for license plate.

HORNS

Make Delco-Remy
 Type Vibrator
 Number and Location Two,
 attached to radiator side support
 Relay in Circuit Yes
 Current
 High and low notes 8-11 amperes

BULBS

Location			Quan.	Trade No.	CP¢	Location			Quan.	Trade No.	CP¢		
Headlamp	Outer	High beam	2	4002	37.5 W	Clock			1	57	2		
		Low beam			50W		Direction Signal Indicator		2				
	Inner	High beam	2	4001	37.5 W		Generator Indicator		1				
Ash Tray Lamp			1	53	1		Glove Compartment Light		1				
Cigarette Lighter Lamp			1				Instrument Cluster		4 or 5				
Compass			1				Oil Pressure Indicator		1				
Headlamp Beam Indicator			1				Parking Brake Alarm		1				
Heater Lamp or Air Cond.			1				Side or	Hardtops	2			90	6
Ignition Lock Light			1				Dome Lamps	Others	1			1004	15
Courtesy Lamp	Conv.	2	89	6	License Plate Lamp		1 or 2	67	3				
	Sta. Wgn. *	1			Luggage Compartment Lamp		1	1003	15				
Back-up Lamp			2	1073	32	Underhood Lamp		1	93	15			
Directional Signal-Frt.	Parking & turn		2	1034	4-32	Spot Lamp	Inside operated	1	4405	30W			
	Tail, stop & turn		4				Portable	1	4416				
Directional Signal-Rear			4			Radio Dial	1	1891	1				

FUSES AND CIRCUIT BREAKERS

Device or Circuit Protected	Fuse & Amp	Circuit Breaker	Location
Air Conditioning (incl. heater)	SAE 20		Fuse block
Overdrive Solenoid	SAE 9		Eng. compt.
Underhood Lamp			Dash panel
Cigarette Lighter Lamp			
Clock Lamp	AGC 3		Fuse block
Compass Lamp			
Ignition Light			
Instrument Lamps			
Radio Lamp			
Back Up Lamp			
Clock Motor	AGC 10		Fuse block
Heater & Defroster (deluxe)			
Heater & Defroster (recirculating)			
Parking Brake Alarm			
Dome lamp	AGC 15		Fuse block
Glove Compartment Lamp			
License Lamp			
Luggage Compartment Lamp			
Stop Lamps			
Tail Lamps			
Directional Signal Indicator	Flasher		Fuse block
Hydraulic Folding Top Motor			
Headlamps		15 amp	Switch
Parking Lamps			
Power Seats		40 amp	Dr. pillar
Power Windows			
Windshield Wiper Motor		10 amp	Switch
Radio Receiver	Manual & pushbutton	AGC 4	Fuse block
Spot Lamp	Inside operated	AGC 15	

1960 PASSENGER CARS

ENGINE						RPO	
Prod. Part No. (As shipped)	Disp	Gross HP	Carbu- retor	Cam- shaft	Trans- mission	No.	Model Exception Letters
3764959	348	250	4-bbl	Reg	Syn	576	A-D-H-K-P
3764963	348	250	4-bbl	Reg	TG	576	B-E-G-L-Q
3764961	348	250	4-bbl	Reg	PG	576	C-F-J-M-N-R
3764975	348	305 (*)	4-bbl	Spec	PG(H.D.)	576	XA-XB-XC-XD-XF-XL
3781171	348	320 (*)	4-bbl	Spec	Syn	577	A-B-C-D-E
3781145	348	320 (**)	4-bbl	Spec	Syn	590	A-B-C-D-E
3764965	348	280	3x2	Reg	Syn	573	A-M-N
3764967	348	280	3x2	Reg	TG	573	C
3764971	348	280	3x2	Reg	PG	573	J
3781169	348	335 (*)	3x2	Spec	Syn	574	A
3781143	348	335 (**)	3x2	Spec	Syn	571	A

(*) High Performance engines

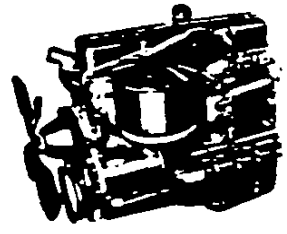
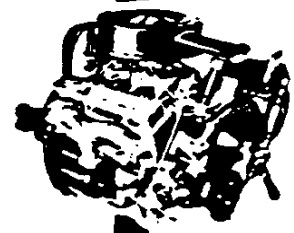
(**) High Performance Special engines

1960 CORVETTE

3764891	283	230	4-bbl	Reg	Syn	Prod	-
3764893	283	230	4-bbl	Reg	PG	313	N
3764903	283	245	2x4	Reg	Syn	469	A
3764905	283	245	2x4	Reg	PG	469	B
3764901	283	270	2x4	Spec	Syn	469	C
3764897	283	275	FI	Reg	Syn	579	A
3764899	283	313	FI	Spec	Syn	579	D



POWER TRAINS



POWER TEAM COMBINATIONS	2
HI-THRIFT SIX CYLINDER ENGINE	4
283 CUBIC INCH V-8 ENGINE	12
348 CUBIC INCH V-8 ENGINE	22
CLUTCHES	35
THREE AND FOUR SPEED TRANSMISSIONS	37
OVERDRIVE UNIT	38
POWERGLIDE	39
TURBOGLIDE	41

POWER TEAM COMBINATIONS

POWER TEAM COMBINATIONS

<u>ENGINE</u>	<u>TRANSMISSION</u>	<u>AXLE RATIO</u>
295 CUBIC INCH HI-THRIFT SIX CYLINDER (PRODUCTION)	3-SPEED	3.55:1
	OVERDRIVE	3.70:1
	POWERGLIDE	3.36:1
293 CUBIC INCH TURBO-FIRE V-8 (PRODUCTION)	3-SPEED	3.36:1
	OVERDRIVE	3.70:1
	POWERGLIDE	3.08:1
	TURBOGLIDE	3.36:1
293 CUBIC INCH SUPER TURBO-FIRE V-8 (RPO 410)	3-SPEED	3.36:1
	OVERDRIVE	3.70:1
	POWERGLIDE	3.08:1
	TURBOGLIDE	3.36:1
348 CUBIC INCH TURBO-THRUST V-8 (RPO 576)	3-SPEED	3.36:1
	4-SPEED	3.70:1
	POWERGLIDE	3.08:1
	TURBOGLIDE	3.08:1
348 CUBIC INCH TURBO-THRUST SPECIAL V-8 RPO 577	3-SPEED	3.70:1
	4-SPEED	3.70:1
	RPO 576	POWERGLIDE
348 CUBIC INCH SUPER TURBO-THRUST V-8 (RPO 573)	3-SPEED	3.36:1
	4-SPEED	3.70:1
	POWERGLIDE	3.08:1
	TURBOGLIDE	3.08:1
348 CUBIC INCH SUPER TURBO-THRUST SPECIAL V-8 (RPO 574)	3-SPEED	3.70:1
	4-SPEED	3.70:1

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	CARBU- RETION	TRANS- MISSION	TOTAL GEAR REDUCTION*					AXLE RATIO	MAX AXLE TORQUE LOW GEAR Lb. Ft. ⓐ
			1st	2nd	3rd	4th	Rev.		
140 HP Std Six Cylinder	Single Barrel	3-speed	10.44	5.96	3.55		10.44	3.55:1	1748
		Overdrive	out 10.88	6.22	3.70		10.88		1822
170 HP Std V-8	2-Barrier	3-speed	8.30	5.14	3.36		9.41	3.36:1	1274
		Overdrive	out 10.88	6.22	3.70		9.40		1729
230 HP V-8 (RPO 410)	4-Barrier	3-speed	8.30	5.14	3.36		9.41	3.36:1	1584 ^e
		Overdrive	out 10.88	6.22	3.70		10.88		2265
250 HP V-8 (RPO 576)	4-Barrier	3-speed	8.30	5.14	3.36		9.41	3.36:1	1799
		Overdrive	in 7.61	4.35	2.59				2358
320 HP V-8 (RPO 577)	4-Barrier Special cam	3-speed	8.30	5.14	3.36		9.41	3.70:1	1650 ^e
		4-speed	8.14	6.14	4.85	3.70	8.36		2258
280 HP V-8 (RPO 573)	3x2-Barrier	3-speed	8.30	5.14	3.36		9.41	3.36:1	2214 ^e
		4-speed	8.14	6.14	4.85	3.70	8.36		
335 HP V-8 (RPO 574)	3x2-Barrier Special cam	3-speed	9.14	5.66	3.70		10.36	3.70:1	
		4-speed	8.14	6.14	4.85	3.70	8.36		

* - Axle ratio x transmission ratio

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

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
140 HP Std Six Cylinder	Powerglide	Drive	12.84:1-3.36:1	3.36:1
		Low & Rev.	12.84:1-6.12:1	
170 HP Std V-8 and 230 HP V-8 (RPO 410)	Powerglide	Drive	11.77:1-3.08:1	3.08:1 (3.36 with FOA 110) ⓐ
		Low & Rev.	11.77:1-5.61:1	
250 & 280 HP V-8's (RPO 576 & 573)	Turboglide	Drive	14.45:1-3.36:1	3.36:1
		Reverse	9.5	
305 HP V-8 (RPO 576)	Powerglide (Heavy Duty)	Drive	11.77:1-3.08:1	3.08:1
		Low & Rev.	11.77:1-5.61:1	
		Drive	13.24:1-3.08:1	3.08:1
		Reverse	10.4	
		Drive	13.56:1-3.55:1	3.55:1
		Low & Rev.	13.56:1-6.46:1	

235 CUBIC INCH SIX CYLINDER ENGINE

GENERAL DATA

Engine		Conventional	Powerglide
Piston displacement (Cu In)		235.5	
Type		Valve-in-head	
Number of cylinders		6	
Bore and stroke (nominal)		3.56 x 3.94	
Compression ratio		8.25:1	
Taxable (SAE) horsepower		30.4	
Idling speed (RPM)		475 in neutral	425 in drive
Compression press (PSI) @ cranking speed, engine hot		130	
Dry weight (pounds)	Engine and clutch	605	555
	With transmission	670	708
Lubrication		Full pressure	
Power plant mounting		Three point mounting, two front and one rear; combination compression and shear type	
Measurements	Fan to rear of clutch housing	41.26	36.37
	Front of cylinder block to rear of clutch housing	34.26	29.37
	Length of cylinder block	27.95	
	Top air cleaner to bottom oil pan	29.30	
	Crankcase vent tube to air cleaner (width)	25.75	

8 - Overdrive transmission

ADVERTISED MAXIMUM ENGINE PERFORMANCE

Engine		Conventional and Powerglide
Carburetor		Single-barrel
Brake horsepower	Gross	135@ 4000 RPM
	Net	115@ 3600 RPM
Torque (Lb-Ft)	Gross	217@ 2000-2400 RPM
	Net	197@ 1200-2000 RPM

ENGINE SPEED AND PISTON TRAVEL

Transmission	3-Speed	3-Speed with Overdrive		Powerglide
		OD Locked Out	OD Locked In	
Rear axle ratio	3.55:1	3.70:1		3.36:1
Tire size	7.50 x 14-4 *			
Crankshaft revolutions per mile	2801.0	2919.3	2043.5	2651.0
Crankshaft RPM@ 1 MPH	Low and rev	137.3	103.2	100.2(143.2 Rev)
	Second	78.5	81.8	57.3
	Third ∇	46.7	48.7	34.1
Piston travel (ft/mile)	1837.5	1915.1	1340.5	1739.1

∇ - Also known as N/V factor

* - 8.00 x 14-4 pr tires standard on 1767 and station wagon models.

235 CUBIC INCH SIX CYLINDER ENGINE-Cont'd.

CYLINDER HEAD AND CASE

Material ----- Cast alloy iron
 Bore Diameter ----- 3.5620-3.5640
 Head Bolt Torque (Lb-Ft) ----- 90-95
 Number of Head Bolts ----- 18

CRANKSHAFT

Material ----- Forged steel
 End Play ----- .0035-.0095
 Vibration Damper ----- Oscillating (rubber mounted)
 Weight (Lb) ----- 80
 Counterweights ----- 7
 Crankshaft Pulley Diameter ----- 6.64 PD
 Main Bearings ----- Extra-life steel backed babbit
 Type ----- Precision, removable
 End Thrust Against Bearing ----- #3
 Clearance ---Bearings #1 & 2 ----- .0008-.0024
 Bearings #3 & 4 ----- .0010-.0026

Dimensions

Bearing	Theoretical Inner Dia	Effective Length	Projected Area
1	2.6856	1.063	2.855
2	2.7166	.907	2.464
3	2.7478	.979	2.690
4	2.7788	1.189	3.304

CAMSHAFT

Make ----- Chevrolet
 Material ----- Cast alloy iron
 End Play ----- .003-.005
 Drive ----- Gear
 Camshaft Gear Material ----- Bakelite and fabric composition with steel hub

Crankshaft Gear Material ----- Steel
 Bearings ----- Extra-life steel backed babbit
 Dimensions

Bearing	Rear Diameter	Overall Length	Projected Area
1	2.1562	1.120	2.415
2	2.0937	.940	1.968
3	2.0312	.940	1.909
4	1.9687	.938	1.846

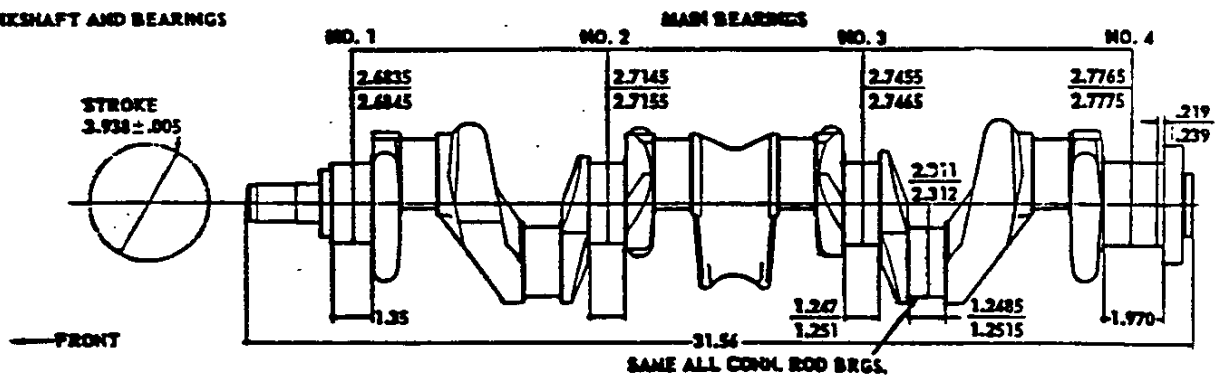
VALVE MECHANISM

Type ----- Rocker arm and shaft, push rod actuated
 Lifters, 1300 Series (3-Spd & OD) ----- Mechanical
 All others ----- Hydraulic
 Body Material, Foot ----- Cast iron
 Sleeve, plunger & push rod seat ----- Steel
 Rocker Arm Ratio ----- 1.477:1
 Valve Lash (hot)
 1300 Series (3-Spd & OD) -----
 Inlet ----- .006-.011
 Exhaust ----- .013-.018
 All others ----- Zero

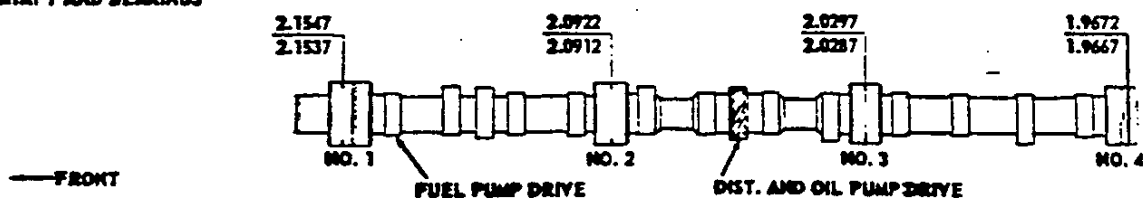
CONNECTING RODS

Material ----- Forged steel
 Weight (Oz) ----- 28.03
 Length (center to center) ----- 6.8125
 Bearings ----- Extra-life steel backed babbit
 Type ----- Precision, removable
 Effective length ----- 1.008

CRANKSHAFT AND BEARINGS



CAMSHAFT AND BEARINGS



ADVERTISED CAR PERFORMANCE FACTORS
(Model 1519)

Transmission	3-Speed	3-Speed with Overdrive (RPO 315)		Powerglide • (RPO 313)
		Locked out	Locked in	
Performance weight (pounds)	4315	4350		4425
Pounds/gross horsepower	31.96	32.22		32.78
Pounds/Cu In displacement	18.32	18.47		18.79
Gross horsepower/Cu In displacement		.573		
Power displacement (Cu Ft/mile)	190.9 •	198.9 •	139.2 •	180.6 •
Displacement factor (Cu Ft/ton mile)	88.5 •	91.4 •	64.0 •	81.5 •

* - Data computed assuming zero slippage in torque converter.

GLOSSARY

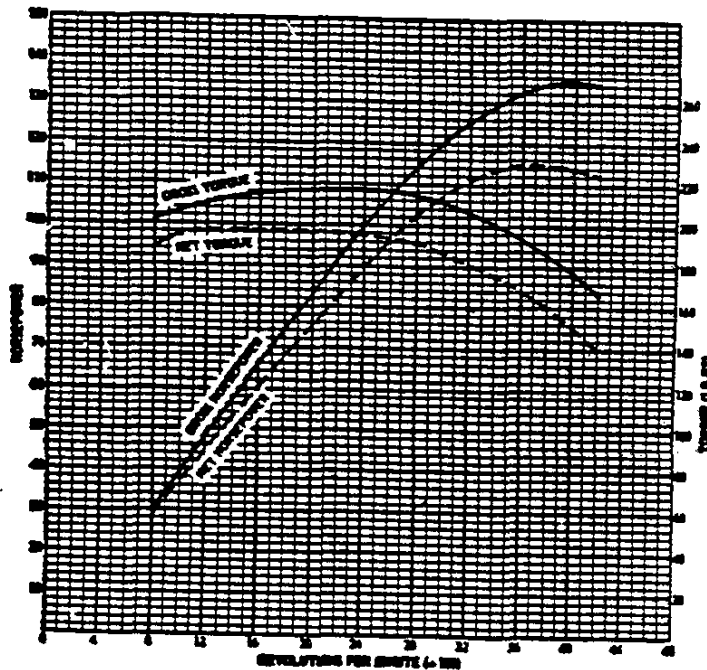
Performance Weight = Curb Weight plus 600 Lb
(weight of four 150 Lb passengers)

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

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

HI-THRIFT SIX CYLINDER ENGINE

235.5 Cubic Inch - Engine Test Report 18334-20



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

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

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

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

Clearance ----- .0007-.0027
 End play ----- .005-.008
 Inside diameter ----- 2.3132
 Projected area (Sq In) ----- 2.332

VALVES

Material Inlet ----- Carbon steel
 Material Exhaust ----- High alloy steel
 Stem to Guide Clearance ----- .0018-.0027
 Lift ----- .3275

VALVE SPRINGS

Compressed Length (In@Lb)
 Valves closed ----- 1.858@ 62-68
 Valves opened ----- 1.528@ 158-168
 Free Length ----- 2.16
 Valve Spring Dampers ----- None

VALVE TIMING

		1300 Series (3-Speed)	All Others
Inlet	Opens	1° ATC	16° BTC
	Closes	39° ABC	48° ABC
Exhaust	Opens	42° BBC	46° 30' BBC
	Closes	9° ATC	17° 30' ATC

PISTONS

Material ----- Cast aluminum alloy
 Type ----- Flat head, controlled expansion
 Weight (Oz) ----- 18.88
 Top Land Clearance ----- .033-.042

Stem Clearance ----- .0006-.0010
 Compression Ring Groove Depth ----- .199-.205
 Oil Ring Groove Depth ----- .199-.205

PISTON PINS

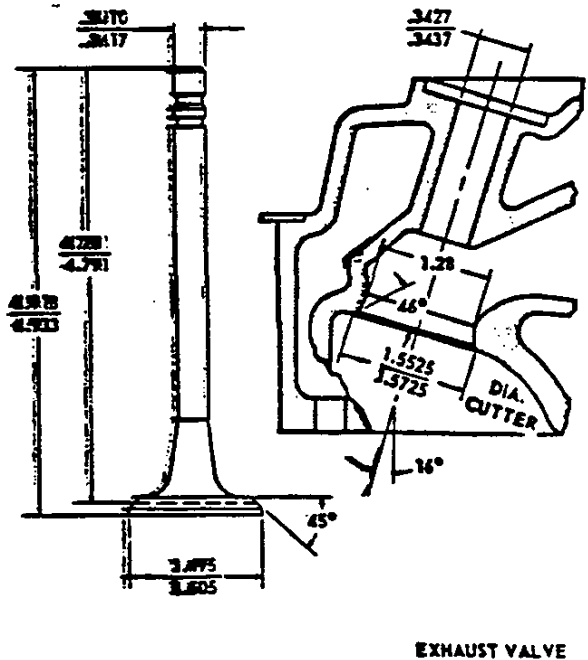
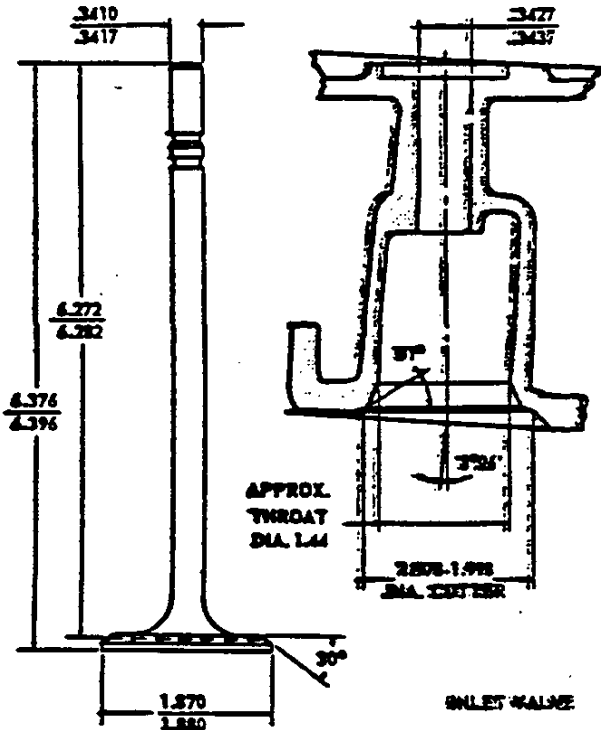
Material ----- Chromium steel
 Type ----- Locked in rod
 Length ----- 3.168-3.198
 Diameter ----- .8660-.8665
 Clearance ----- .00015-.00025
 Direction of Offset ----- Major thrust side

COMPRESSION RINGS

Type, Upper and Lower ----- Thick wall,
 inside bevel or counterbore.
 Material ----- Cast alloy iron
 Coating ----- Wear resistant
 Width ----- .0930-.0935
 Wall Thickness ----- .168-.178
 Gap ----- .007-.017

SCREW RINGS

Type ----- Multi-piece (two rails and one spacer)
 Material, Rails ----- Steel
 Spacers ----- Stainless steel
 Coating ----- Rails chrome plated OD
 Width ----- .187-.189
 Gap (rails) ----- .015-.055
 Wall Thickness (rails) ----- .150-.156



235 CUBIC INCH SIX CYLINDER ENGINE-Cont'd.

LUBRICATION SYSTEM

GENERAL

Type ----- Controlled, full pressure
 Main Bearings ----- Pressure
 Connecting Rods ----- Pressure
 Piston Pins ----- Splash
 Cylinder Walls ----- Pressure, jet cross sprayed
 Camshaft Bearings ----- Pressure
 Hydraulic Lifters ----- Pressure
 Timing Gear ----- Nozzle sprayed

OIL PUMP

Type ----- Gear
 Normal Oil Pressure ----- 35 PSI @ 2000 RPM
 Intake Type ----- Fixed
 Capacity (GPM @ engine RPM) 4.01-4.22 @ 1170-1200

CRANKCASE CAPACITY (quarts)

Dry ----- 5.5
 Refill ----- 5.0

OIL FILTER (RPO 237)

Make and Type ----- AC, partial flow

Capacity (dry) ----- 1 Qt
 Replacement Type ----- Element

OIL PRESSURE GAUGE

Type ----- Electric

LUBRICANT GRADES AND TEMPERATURES

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

CRANKCASE VENTILATION

Type ----- Road draft

OIL PAN DRAIN SCREW

Type ----- Hex head
 Location ----- Lower front of oil pan sump
 Size Hex Head ----- .860-.875
 Thread ----- 1/2-20 UNF-2A
 Length ----- 0.81
 Diameter ----- .410-.430

FUEL AND EXHAUST SYSTEM

FUEL TANK

Capacity (ga.)
 9-Pass Station Wagon ----- 18
 6-Pass Station Wgn, Sed Del & Sed Pick-up ----- 17
 All others ----- 20
 Filler Location
 Station Wgn, Sed Del & Sed Pickup ----- Behind opening in left rear quarter panel.
 All others ----- At center of body back lower panel to rear of hinged license plate bracket.

FUEL FILTER

In Fuel Tank ----- Strainer
 In Carburetor Inlet ----- Sintered bronze filter

FUEL GAUGE (Tank Unit)

Make and Type ----- AC, electric

FUEL PUMP ASSEMBLY

Make ----- AC
 Type ----- Mechanical
 Location ----- Lower right front corner of engine
 Pressure Range ----- 3.50-4.50 PSI

CARBURETOR

Make ----- Rochester Products
 Model
 Regular ----- 7013003
 Powerglide ----- 7013000
 Type ----- Single barrel, downdraft
 SAE Flange Size ----- 1.50
 Venturi Diameter ----- 1.34
 Choke ----- Automatic
 Throttle Bore ----- 1.5625

AIR CLEANER

Type
 Regular ----- Oil wetted
 RPO 216 ----- Oil bath

EXHAUST SYSTEM

Type ----- Single, diffusion resonance
 Muffler ----- Reverse flow
 Exhaust Pipe Outside Diameter ----- 2.00
 Tailpipe Inside Diameter ----- 1.81

COOLING SYSTEM

GENERAL

Type ----- Pressure, with full length water jackets around cylinders

THERMOSTAT

Make ----- Harrison
Type ----- Pellet
Begins to Open @ ----- 167-172°F
Fully Opened @ ----- 192°F

RADIATOR

Make and Type ----- Harrison, tube on center
Core Constant and Thickness ----- .25 x .55 x 1.75
Frontal Area (Sq In) ----- 356
Capacity (quarts)
3-Speed transmission:
With heater ----- 18
Without heater ----- 17
Powerglide transmission:
With heater ----- 17.5
Without heater ----- 16.5

● RADIATOR, HEAVY DUTY (RPO 257)

Core Constant and Thickness:
Synchronesh & Powerglide Trans. --- .20 x .55 x 1.75
Frontal Area (Sq In) ----- 428.74

RADIATOR HOSE

Outlet, Lower (radiator to water pump) ----- 1.75 ID
Inlet, Upper (thermostat hsg to rad) ----- 1.50 ID

RADIATOR CAP

Type ----- Pressure
Valve Opens at ----- Approx 13 PSI

WATER PUMP

Type ----- Centrifugal
Capacity ----- 55 GPM @ 4000 RPM
Drive ----- Fan belt
Bearing ----- Permanent lubricated double row ball

DRAIN LOCATIONS

Radiator ----- Right side front
Type ----- Petcock
Engine Block ----- Left rear side
Type ----- Plug

FAN

Number of Blades ----- 4, staggered
Diameter ----- 17.62
Ratio (fan to engine RPM) ----- 949:1

FAN AND GENERATOR BELT

Number Used ----- One
Angle of "V" ----- 37°-44°
Pitch Line Length ----- 40.50
Width ----- .375
Fan Pulley Size (pitch diameter) ----- 7.00

ELECTRICAL SYSTEM

GENERATOR

Make and Model ----- Delco-Remy, 1102096
Type ----- Two brush, shunt wound
Drive ----- By fan belt
Pulley Size ----- 2.88 PD
Generator RPM/MPH ----- Approx. 107
Maximum Generator Output RPM (Hot) ----- 2450
Eng RPM @ Max Gen Output ----- 1065
Car MPH (high gear) @ Max Gen Output ----- 22.9
Ratio (generator to engine speed) ----- 2.30:1
Rating
Amps ----- 30
Volts ----- 12-15

OPTIONAL GENERATOR EQUIPMENT

35 Amp (RPO 338) ----- 1102174
40 Amp (RPO 326) Medium duty ----- 1105123
50 Amp (RPO 378) Low cut-in ----- 1106681

BATTERY

Make and Model ----- Delco, 1980458
Voltage Rating ----- 12
Capacity ----- 53 amp hr at 20 hr rate
Plates per Cell ----- 9
Terminal Grounded ----- Negative
Location ----- Front of engine compartment near radiator baffle

VOLTAGE AND CURRENT REGULATOR

Make and Model ----- Delco-Remy, 1119001
Type ----- Vibrator
Cutout Relay
Closing voltage @ generator RPM - 11.8-13.5@1300
Voltage Regulator
Voltage ----- 13.8-14.8
Current Regulator
Amperes ----- 27-33

235 CUBIC INCH SIX CYLINDER ENGINE—Cont'd.

ELECTRICAL SYSTEM - Continued

COIL

Make ----- Delco Remy
Model ----- 1115120
Amperes Drawn ----- 4.0 engine stopped, 1.6
engine idling (>500 RPM)

IGNITION TIMING

Crankshaft Degrees (initial setting) ----- 5°BTC
Mark Location ----- On flywheel
Firing Order ----- 1-5-3-6-2-4

SPARK PLUG

Make and Model ----- AC, 44
Thread Size ----- 14mm
Gap ----- .033-.038
Torque ----- 25 Lb Ft

STARTING MOTOR

Make and Model ----- Delco-Remy, 1107652
Rotation (Drive end view) ----- Clockwise
Test Conditions ---- Engine at operating temperature
No Load Test
Amps ----- 49-76
Volts ----- 10.6
RPM ----- 6200-6900

Drive

Engagement type ----- Solenoid
No. of teeth ----- 9
Gear ratio (flywheel to starter) ----- 18.6:1
Flywheel tooth face width ----- .4135

STARTING

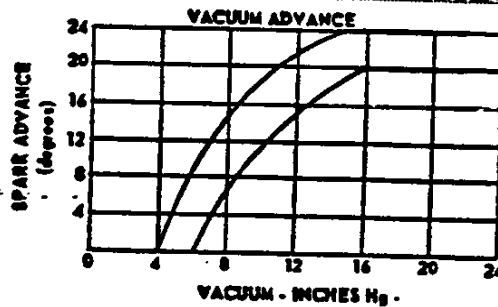
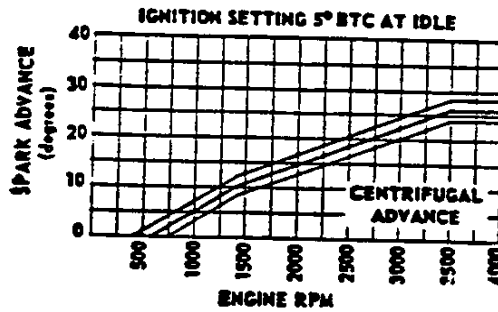
Ignition Switch ----- 4 positions:
Locked off, unlocked off, on, and start.

Starting Procedure

Turn ignition key to extreme right after placing
shift lever in neutral and depressing clutch
Powerglide models - Place selector lever in Park
or Neutral

DISTRIBUTOR

Make and Model ----- Delco-Remy, 1112403
 Breaker Gap ----- .019 (new)
 Cam Angle ----- 28°-35°
 Breaker Arm Tension ----- 19-23 oz
Spark Advance Data
 Centrifugal advance begins (RPM) -----600
 Centrifugal advance max degrees @ RPM -----
 ----- 24°-28° @ 3500
 Vacuum advance begins (inches Hg)----- 6
 Vacuum advance max degrees @ inches Hg-----
 ----- 22 @ 15.5



283 CUBIC INCH V-8 ENGINE

GENERAL DATA

Engine		Conventional	Powerglide	Turboglide
Piston displacement (Cu In)		283		
Type		Valve-in-head		
Number of cylinders		8		
Bore and stroke (nominal)		3.875 x 3.000		
Compression ratio		8.5:1 M		
Taxable (SAE) horsepower		48		
Idling speed (RPM)		475 in neutral	450 in neutral	
Compression press (PSI)@ cranking speed, engine hot		150**		
Dry weight (pounds)	Engine and clutch	605	610▼	530
	With transmission	665	700▼	685
Lubrication		Full pressure		
Power plant mounting		Three point mounting, two front and one rear; combination compression and shear type		
Measurements	Fan to rear of clutch housing	36.57	31.66	
	Front of cylinder block to rear of clutch housing	29.57	24.66	
	Length of cylinder block	23.28		
	Top air cleaner to bottom oil pan	29.54		
	Exhaust manifold to generator (width)	26.72		

M - 9.5:1 on Super Turbo-Fire engine

▼ Overdrive transmission

** - 160 PSI on Super Turbo-Fire engine

ADVERTISED MAXIMUM ENGINE PERFORMANCE

Engine		Turbo-Fire	Super Turbo-Fire
Carburetor		2-barrel (Production)	4-barrel (RPO 410)
Brake horsepower	Gross	170@ 4200 RPM	230@ 4800 RPM
	Net	135@ 4000 RPM	175@ 4400 RPM
Torque (Lb-Ft)	Gross	275@ 2200 RPM	300@ 3000 RPM
	Net	245@ 2000 RPM	255@ 2800 RPM

ENGINE SPEED AND PISTON TRAVEL

Transmission	3-Speed (Production)	Overdrive (RPO 315)		Powerglide (RPO 313)*	Turboglide (RPO 302)*
		Locked out	Locked in		
Rear axle ratio	3.36:1	3.70:1		3.08:1	3.36:1
Tire size	7.50 x 14-4 S				
Crankshaft Rev/Mi	2651.0	2919.3	2043.5	2430.1	2651.0
Crankshaft RPM @ 1 MPH	Low	110.2	143.2	100.2	73.7
	Reverse	123.8		143.2	
	Second	67.6	81.8	57.3	
	Direct A	44.2	48.7	34.1	
Piston travel (Ft/mile)	1325.5	1459.7	1021.8	1215.1	1325.5

* - Data computed assuming zero slippage in torque converter

S - 8.00 x 14-4 tires standard on 1867, station wagon, Sedan Delivery and Sedan Pick-up

A - Also known as N/V factor

ADVERTISED CAR PERFORMANCE FACTORS
(Model 1619)

	Turbo-Fire	Super Turbo Fire
--	------------	------------------

3-Speed Transmission

Performance weight (pounds)	4340	4355
Pounds per gross horsepower	25.53	18.93
Pounds per Cu In displacement	15.34	15.39
Gross horsepower per Cu In displacement	.601	.813
Power displacement (Cu Ft/mile)	217.1	217.1
Displacement factor (Cu Ft/ton mile)	100.0	99.7

3-Speed w/Overdrive Transmission **

Performance weight (pounds)	4380	4390
Pounds per gross horsepower	25.76	19.09
Pounds per Cu In displacement	15.48	15.51
Gross horsepower per Cu In displacement	.601	.813
Power displacement (Cu Ft/mile)	166.3	166.3
Displacement factor (Cu Ft/ton mile)	75.9	75.8

Powerglide Transmission *

Performance weight (pounds)	4455	4465
Pounds per gross horsepower	26.21	19.41
Pounds per Cu In displacement	15.74	15.78
Gross horsepower per Cu In displacement	.601	.813
Power displacement (Cu Ft/mile)	199.0	199.0
Displacement factor (Cu Ft/ton mile)	89.3	89.1

Turboglide Transmission *

Performance weight (pounds)	4350	4360
Pounds per gross horsepower	25.59	18.96
Pounds per Cu In displacement	15.37	15.41
Gross horsepower per Cu In displacement	.601	.813
Power displacement (Cu Ft/mile)	217.1	217.1
Displacement factor (Cu Ft/ton mile)	99.8	99.6

*-Data computed assuming zero slippage in torque converter

**-Overdrive locked in

GLOSSARY

Performance Weight = Curb Weight plus 600 Lb
(weight of four 150 Lb passengers)

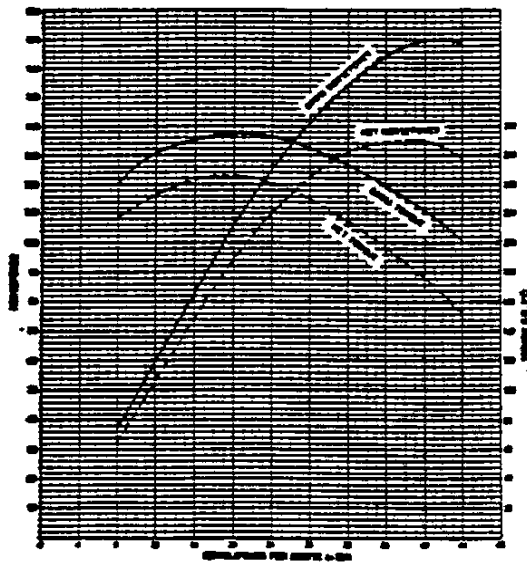
Power Displacement = $\frac{\text{Crankshaft Revs/Mi} \times \text{Piston Displacement}}{2 \times 1728}$

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

283 CUBIC INCH V-8 ENGINE - Cont'd.

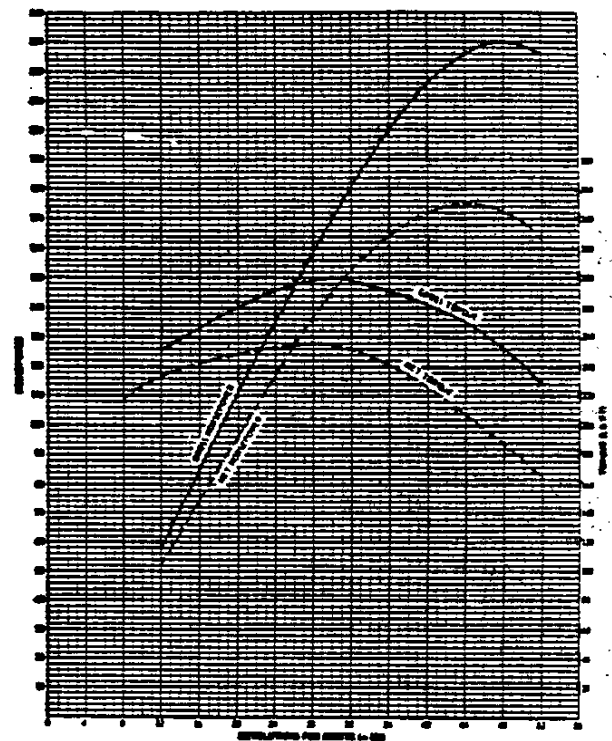
TURBO-FIRE 283 CUBIC INCH V-8 ENGINE

2-barrel Carburetor - Engine Test Report 25207-3



SUPER TURBO-FIRE 283 CUBIC INCH V-8 ENGINE

4-barrel Carburetor - Engine Test Report 18333-10



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

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

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

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

Coating, Upper ----- Flash chrome plating
 Coating, Lower ----- Wear resistant
 Width
 Upper ----- .0775-.0780
 Lower ----- .0770-.0780
 Gap ----- .010-.020
 Wall Thickness ----- .184-.194

OIL CONTROL RINGS

No per Piston ----- One
 Type ----- Multi-piece (2 rails and one spacer)
 Material ----- Steel
 Coating ----- Chrome plated OD
 Width ----- .193-.195
 Gap ----- .015-.055
 Wall Thickness ----- .150-.156

CONNECTING RODS

Material ----- Drop forged steel
 Length (center to center) ----- 5.699-5.701
 Bearings, Material ---Extra-life steel backed babbit
 Type ----- Precision, removable
 Effective length ----- .817
 Clearance ----- .0007-.0027
 End play ----- .008-.014

Theoretical ID ----- 2.0012
 Projected area ----- 1.635 Sq In

TIMING DIAGRAM DATA (Turbo-Fire)

Inlet Valve Opens - BTC ----- 18°
 Closes - ABC ----- 54°
 Exhaust Valve Opens - BBC ----- 52°
 Closes - ATC ----- 20°
 Inlet Ramp Opening ----- .0030, 7°30'
 Closing ----- .0060, 24°
 Exhaust Ramp Opening ----- .0040, 10°
 Closing ----- .0060, 15°
 Tappet Lift ----- .2224

TIMING DIAGRAM DATA (Super Turbo-Fire)

Inlet Valve Opens - BTC ----- 12°30'
 Closes - ABC ----- 57°30'
 Exhaust Valve Opens - BBC ----- 54°30'
 Closes - ATC ----- 15°30'
 Ramp Opening ----- .0047, 10°
 Closing ----- .0067, 15°
 Tappet Lift ----- .2658

INLET MANIFOLD

Material ----- Cast alloy iron

LUBRICATION SYSTEM

METHOD OF LUBRICATION

Type ----- Controlled full pressure
 Main Bearings ----- Pressure
 Connecting Rods ----- Pressure
 Piston Pins ----- Splash
 Cylinder Walls ----- Pressure, jet cross sprayed
 Camshaft Bearings ----- Pressure
 Valve Lifters ----- Pressure
 Timing Gears ----- Nozzle sprayed
 Crankcase Capacity (Qt)
 Dry ----- 4.5
 Refill ----- 4.0
 Oil Pressure Gauge ----- Electric
 Crankcase Vent ----- Road draft tube
 Oil Filler Location ----- Right front of intake manifold

OIL PUMP

Type ----- Gear
 Normal Oil Pressure -----(PSI @ RPM)-35@ 2000

Intake Type ----- Fixed
 Capacity (GPM @ RPM, hot) ---- 4.0-4.2@ 1170-1200

OIL PAN DRAIN SCREW

Type ----- Hex head
 Location ----- Lower front edge of oil pan sump
 Size, Hex head ----- .860-.875
 Thread ----- 1/2 20 UNF 2A
 Length ----- 0.81
 Diameter ----- .410-.430

OIL FILTER

Type ----- Full flow, spring loaded disc by-pass
 Capacity (dry) ----- 1.0 qt
 Replacement Type ----- Element

LUBRICANT GRADES AND TEMPERATURES

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

283 CUBIC INCH V-8 ENGINE - Cont'd.

FUEL AND EXHAUST SYSTEM

FUEL PUMP

Make AC
 Type Mechanical
 Pressure Range 5.25-6.50 PSI

MANIFOLD HEAT CONTROL

Type Automatic

AIR CLEANER

Make AC
 Type Dry
 Element Paper

FUEL TANK

Capacity (gals)
 9-Pass Station Wgn. 18
 6-Pass Wgn, Sed Del, and Sed Pick-up 17
 Others 20
 Filler Location
 Station Wgn, Sed Del and Sed Pick-up -- In left rear
 quarter panel.
 Others Center of body back lower panel
 at rear of hinged license plate

CARBURETOR (Turbo-Fire)

With Conv Trans
 Make Rochester
 Model 7013007
 With Auto Trans
 Make Rochester
 Model 7013008
 Type 2-bbl, downdraft
 SAE Flange Size 1.25
 Venturi Diameter 1.09

Throttle Bore 1.4375
 Choke Automatic
 Attaching Stud Centers 3.25 x 1.875

CARBURETOR (Super Turbo-Fire)

With Conv Trans
 Make Carter
 Model 3756676
 With Auto Trans
 Make Rochester
 Model 7013004
 Type 4-bbl, downdraft
 Venturi Dia by Make Rochester Carter
 Primary 1.00 1.00
 Secondary 1.06 1.13
 Throttle Bore 1.3125
 Attaching Stud Centers 5.625 x 4.25

FUEL FILTER

In Fuel Tank Strainer
 In Carburetor Inlet Sintered bronze filter

FUEL GAUGE

Make AC
 Type Electric

EXHAUST SYSTEM

Type, Production Single
 RPO 220 Dual with resonators
 Flow Reverse
 Exhaust Pipe OD 2.00
 Wall thickness0625
 Tail Pipe OD 1.875
 Wall thickness0598

COOLING SYSTEM

GENERAL

Type Pressure, full length
 water jacket around each cylinder
 Shroud Regular production

THERMOSTAT

Make Harrison
 Type Pellet
 Begins to Open @ 167-172°F
 Fully Open @ 192°F

RADIATOR

Make Harrison
 Type Tube on center
 Core Constant and Thickness,
 Regular Trans 30x.55 x 1.75
 With Powerglide 28x.55 x 1.75
 With Turboglide 25x.55 x 1.75
 Frontal Area (Sq In) 356.81
 Capacity (Qts):
 Reg trans less heater 17.5

With heater 18.5
 Auto trans less heater 17.25
 With heater 18.25

• RADIATOR, HEAVY DUTY (RPO 257)

Core Constant & Thickness:
 Synchronesh Transmission 25 x .55 x 1.75
 Powerglide 22 x .55 x 1.75
 Turboglide 20 x .55 x 1.75
 Frontal Area (Sq In) 428.74

RADIATOR HOSE

Location, Inlet Thermostat housing to radiator
 Location, Outlet Water pump to radiator
 Type Molded elbow
 ID, Inlet 1.50
 ID, Outlet 1.75

RADIATOR CAP

Type Pressure
 Valve Opens @ 13 PSI

PRINCIPAL COMPONENTS

CYLINDER HEADS AND CASE

Material	Cast alloy iron
Bore Diameter	3.8745-3.8775
Head Bolt Torque (Lb-Ft)	60-70
No of Cylinder Head Bolts	34

CRANKSHAFT

Material	Forged steel
End Play .....	.002-.006
Vibration Damper	Super Turbo-Fire only
Weight (Lb)	48
Counterweights	6
Crankshaft Pulley Diameter	6.64 PD
Main Bearings	Extra-life steel backed babbitt
Type	Precision, removable
End Thrust Against Bearing	#5
Clearance .....	.0008-.0034
Dimensions #1-4, Theo ID	2.3004
Effective length .....	.762
Projected area (Sq In)	1.753
Dimensions #5, Theo ID	2.3004
Effective length	1.169
Projected area (Sq In)	2.689

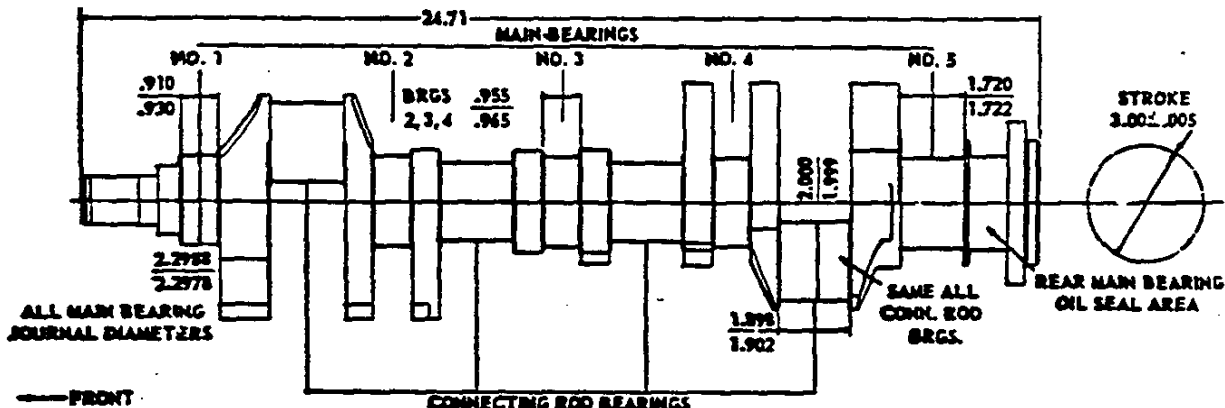
CAMSHAFT

Make	Chevrolet
Material	Cast alloy iron
Bearings	Extra-life steel backed babbitt
Dimensions #1-4, Ream Dia	1.8712
Effective length .....	.740
Projected area (Sq In)	1.385
Dimensions #5, Rear Dia	1.8712
Effective length .....	.940
Projected area (Sq In)	1.759
Drive	Chain and sprocket
Crankshaft sprocket material	Steel
Camshaft sprocket material	Cast alloy iron
Timing chain	
Make	Link belt
No of links	46
Width .....	.875
Pitch .....	.500

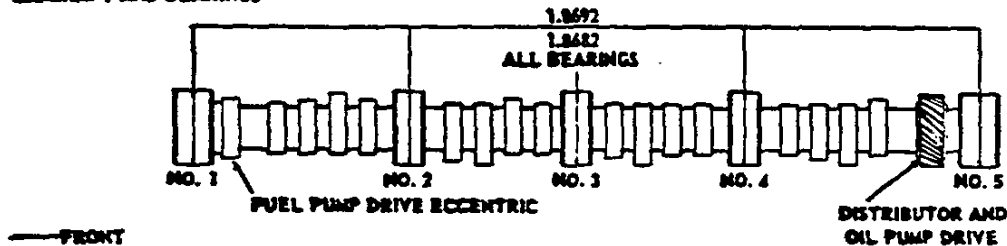
VALVE MECHANISM

Type	Rocker arm, push rod actuated
Lifters	Hydraulic

CRANKSHAFT AND BEARINGS



CAMSHAFT AND BEARINGS



283 CUBIC INCH V-8 ENGINE - Cont'd.

PRINCIPAL COMPONENTS - Continued

VALVE MECHANISM-Cont'd

Material	
Foot	Cast alloy iron
Sleeve	Steel
Plunger	Steel
Push rod	Steel
Rocker Arm Ratio	1.5:1
Valve Lash (hot)	Zero

VALVES

Material Inlet	Carbon steel
Material Exhaust	High alloy steel
Stem to Guide Clearance .....	.0015-.0032
Lift Exhaust and Inlet	
Turbo-Fire engine .....	.3336
Super Turbo-Fire engine .....	.3987

VALVE SPRINGS

Material

Compressed Length (In@ Lb)		
Engine	Turbo-Fire	Super Turbo-Fire
Valves closed	1.696@ 76-84	1.696@ 69-79
Valves open	1.366@ 155-165	1.306@ 159-169
Free Length	2.03	2.08

VALVE SPRING DAMPERS

Turbo-Fire Engine	None
-------------------------	------

Super Turbo-Fire Engine

No of coils	4
Free length	2.00

PISTONS

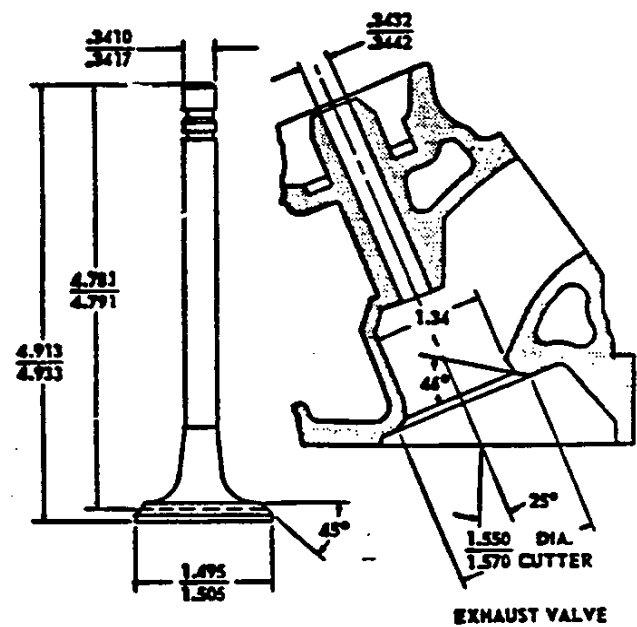
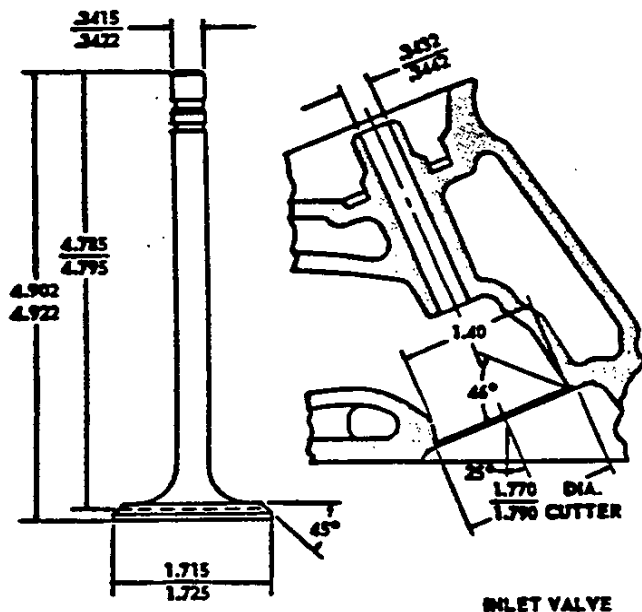
Material	Cast aluminum alloy
Head Type	Flat, notched
Skirt Type	Slipper
Weight (Oz)	20.40
Top Land Clearance .....	.035-.040
Skirt Clearance .....	.0006-.0010
Compression Ring Groove Depth .....	.2153-.2218
Oil Ring Groove Depth .....	.2093-.2158

PISTON PINS

Material	Chromium steel
Type	Rod shrunk fit to piston
Length	2.990-3.010
Diameter .....	.9270-.9273
Clearance in Piston .....	.00015-.00025
Direction of Offset	Major thrust side

COMPRESSION RINGS

No per Piston	Two
Type, Upper and Lower	Thickwall, inside bevel or counterbore
Material	Cast alloy iron



FAN

Number of Blades ----- 4 staggered
 Diameter ----- 17.62
 Ratio (fan to engine rpm) ----- .949:1

FAN AND GENERATOR BELT

Number used ----- One
 Angle of "V" ----- 37-44°
 Pitch Line Length ----- 54.12
 Width ----- .380±.005
 Fan Pulley Size ----- 7.00 PD, 36°V

WATER PUMP

Type ----- Centrifugal
 Capacity(GPM @ RPM) ----- 44.5 @ 4000
 Drive ----- Fan belt
 Bearing ----- Permanently lubricated double row ball

DRAIN LOCATIONS

Radiator ----- Right side front
 Type ----- Petcock
 Engine Block ----- Right and left center
 Type ----- Plug

ELECTRICAL SYSTEM**GENERATOR**

Make and Model ----- Delco-Remy, 1102097
 Type ----- Two brush, shunt wound
 Drive ----- By fan belt
 Pulley Size ----- 2.88 PD
 Generator RPM/MPH ----- Approx 107
 Max Gen Output RPM (hot) ----- 2450
 Engine RPM @ Max Gen Output ----- 1065
 Ratio (Gen to engine RPM) ----- 2.3:1
 Rating, Amperes ----- 30
 Volts ----- 12-15

OPTIONAL GENERATOR EQUIPMENT

35 Amp (RPO 338) ----- 1102174
 40 Amp (RPO 326) ----- 1105123 (Medium duty)
 50 Amp (RPO 378) ----- 1106681 (Low cut-in)

BATTERY

Make ----- Delco-Remy
 Model ----- 1980458
 Voltage Rating ----- 12
 Number of Cells ----- 6
 Plates per Cell ----- 9
 Terminal Grounded ----- Negative
 Location ----- Right front of engine
 compartment on radiator baffle
 Capacity ----- 53 amp hr @ 20 hr rate

OPTIONAL BATTERY EQUIPMENT (RPO 345)

Model ----- 1980668
 Number of Cells ----- 6
 Plates per Cell ----- 11
 Capacity ----- 70 amp hr @ 20 hr rate

VOLTAGE AND CURRENT REGULATOR

Make ----- Delco-Remy
 Model ----- 1119001
 Type ----- Vibrator
 Cut-Out Relay, Closing voltage
 @ RPM ----- 11.8-13.5 @ 1300

Voltage Regulator, Volts ----- 13.8-14.8
 Current Regulator, Amperes ----- 27-33

STARTING MOTOR

Make ----- Delco-Remy
 Model, With Conv & Powerglide ----- 1107664
 With Turboglide ----- 1107694
 Rotation (drive end view) ----- Clockwise
 Test Conditions ----- Engine @ operating temperature
 No Load Test, Amperes ----- 49-76
 Volts ----- 10.6
 RPM ----- 6200-9400
 Drive, Engagement type ----- Positive shift solenoid
 Number of teeth ----- 9
 Flywheel to Starter Gear Ratio ----- 18.6:1
 Flywheel Face Tooth Width
 Turboglide ----- .3435
 Regular & Powerglide ----- .4135

STARTING

Ignition Switch Positions ----- Locked Off,
 Unlocked Off, On, Start
 Starting Procedure, Reg trans ----- Turn Ignition
 key to extreme right after placing shift lever in
 neutral and depressing clutch
 Auto trans ----- Turn key to extreme
 right, selector in Park or Neutral

COIL

Make ----- Delco-Remy
 Model ----- 1115115
 Amperes, Engine stopped ----- 4.0
 Amperes, Engine idling ----- 1.8

IGNITION TIMING (Turbo-Fire)

Crankshaft Deg (Initial setting) ----- 4°BTC
 Mark Location ----- Timing indicator assembly
 Firing Order ----- 1-8-4-3-6-5-7-2

IGNITION TIMING (Super Turbo-Fire)

Mark Location ----- Vibration damper

283 CUBIC INCH V-8 ENGINE - Cont'd.

ELECTRICAL SYSTEM - Contd.

SPARK PLUG

Make ----- AC
 Model ----- 44
 Thread Size ----- 14 MM
 Gap ----- .033-.038
 Torque (Lb Ft)----- 25

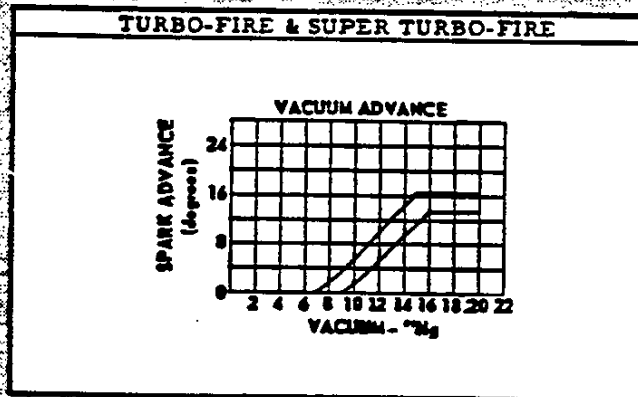
Breaker Gap ----- .019 (new)
 Cam Angle ----- 26-33°
 Breaker Arm Tension (Oz) ----- 19-23
 Centrifugal Spark Advance Begins ----- 600 RPM
 Maximum degrees @ RPM ----- 28 @ 3750
 Vacuum Advance, Maximum "Hg ----- 15" @ 15.5

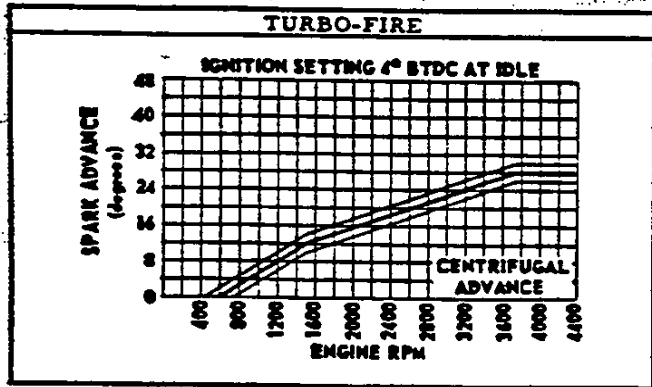
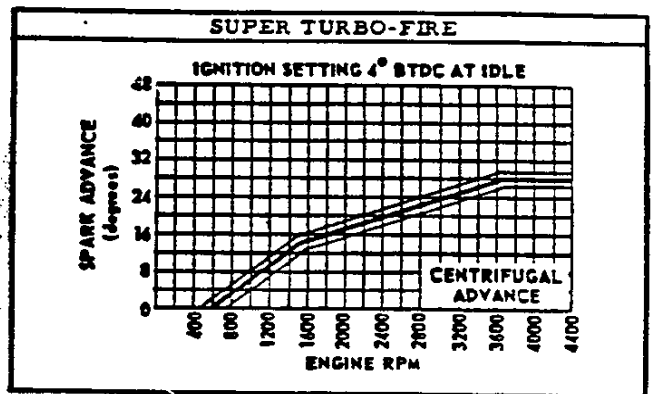
DISTRIBUTOR (Turbo-Fire)

Make -----Delco-Remy
 Model ----- 1110947

DISTRIBUTOR (Super Turbo-Fire Differences)

Model ----- 1110946
 Centrifugal Spark Advance (Max Deg@RPM)--28@3700





348 CUBIC INCH V-8 ENGINE

GENERAL DATA

Engine		Conventional	Powerglide	Turboglide
Piston displacement (Cu In)		348		
Type		Valve-in-head		
Number of cylinders		8		
Bore and stroke (nominal)		4.125 x 3.25		
Compression ratio		9.5:1 v		
Taxable (SAE) horsepower		54.5		
Idling speed (RPM)		475 in neutral	450 in drive	
Compression press. (PSI) @ cranking speed, engine hot		150		
Dry weight (pounds)	Engine and clutch	715	650	640
	With transmission	775	875	790
Lubrication		Full pressure		
Power plant mounting		Three point mounting, two front and one rear combination compression and shear type		
Measurements	Fan to rear of flywheel housing	38.23	33.82	
	Front cylinder block to rear of flywheel housing	29.92	25.51	
	Length of cylinder block	23.63		
	Exhaust manifold to G. generator (width)	25.57		
	Top air cleaner to bottom oil pan	28.90		

v - 11.0:1 with 4-barrel carburetor, special camshaft and HD Powerglide; 11.25:1 with special camshaft and synchromesh transmission

ADVERTISED MAXIMUM ENGINE PERFORMANCE

Engine		Turbo-Thrust	Turbo-Thrust Special		Super Turbo-Thrust	Super Turbo-Thrust Special
Carburetor		(RPO 576)		(RPO 577)	(RPO 573)	(RPO 574)
		4-barrel			3x2-barrel	
Camshaft		Standard	Special		Standard	Special
Brake Horsepower	Gross	250@4400 RPM	305@5600 RPM &	320@5600 RPM	280@4800 RPM	335@5800 RPM
	Net	210@4400 RPM			235@4800 RPM	
Torque (Lb-Ft)	Gross	355@2800 RPM	350@3600 RPM &	358@3600 RPM	355@3200 RPM	362@3600 RPM
	Net	320@2600 RPM			320@2800 RPM	

& - Heavy Duty Powerglide

ENGINE SPEED AND PISTON TRAVEL

Transmission		3-Speed (Production)		4-Speed (RPO 685)	Powerglide (RPO 313)*	Turboglide (RPO 302)*
Rear axle ratio		3.36:1	3.70:1		3.55:1	3.08:1
Tire size		7.50 x 14-4 v				
Crankshaft Rev/Min		2651.0	2919.3		2801.0	2430.1
Crankshaft RPM @ 1 MPH	Low	109.2	120.3	107.1	85.0 &	73.7
	Reverse	123.8	136.4	110.1		
	Second	67.6	74.5	80.8		
	Third			63.8		
	Direct x	44.2	48.7		46.7	40.5
Piston travel (Ft/mile)		1434.2	1579.3		1515.3	1314.7

& - Heavy Duty Powerglide

* - Data computed assuming zero slippage in torque converter

v - 8.00 x 14-4 tires standard equipment on 1867, station wagons, Sedan Delivery and Sedan Pick-up

x - Also known as N/V factor

ADVERTISED CAR PERFORMANCE FACTORS
(Model 1619)

ENGINE	Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust	Super Turbo-Thrust Special
--------	--------------	----------------------	--------------------	----------------------------

3-Speed Transmission

Performance weight (pounds)	4485	4470	4495	4510
Pounds per gross horsepower	17.94	13.97	16.05	13.46
Pounds per Cu In displacement	12.89	12.84	12.92	12.96
Gross horsepower per Cu In displacement	.718 *	.920	.805	.963
Power displacement (Cu Ft /mile)	266.9 *	294.0	266.9 *	294.0
Displacement factor (Cu Ft /ton mile)	119.0 *	131.5	118.8 *	130.1

4-Speed Transmission

Performance weight (pounds)	4505	4485	4515	4530
Pounds per gross horsepower	18.02	14.02	16.13	13.52
Pounds per Cu In displacement	12.95	12.89	12.93	13.02
Gross horsepower per Cu In displacement	.718	.920	.805	.963
Power displacement (Cu Ft /mile)	294.0 *	294.0	294.0 *	294.0
Displacement factor (Cu Ft /ton mile)	130.3 *	131.1	130.2 *	129.8

Powerglide Transmission *

Performance weight (pounds)	4590	4575	4605	
Pounds per gross horsepower	18.36	15.00	16.45	
Pounds per Cu In displacement	13.19	13.15	13.23	
Gross horsepower per Cu In displacement	.718	.876	.805	
Power displacement (Cu Ft /mile)	244.7 *	282.0 *	244.7 *	
Displacement factor (Cu Ft /ton mile)	106.6 *	123.3 *	106.3 *	

Turboglide Transmission *

Performance weight (pounds)	4500		4515	
Pounds per gross horsepower	18.00		16.13	
Pounds per Cu In displacement	12.93		12.97	
Gross horsepower per Cu In displacement	.718		.805	
Power displacement (Cu Ft /mile)	244.7 *		244.7 *	
Displacement factor (Cu Ft /ton mile)	108.8 *		108.4 *	

* - Data computed assuming zero slippage in torque converter.

GLOSSARY

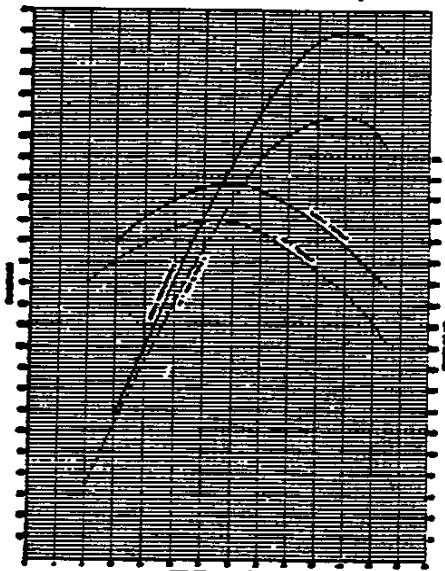
Performance Weight = Curb Weight plus 600 Lb
(weight of four 150 Lb passengers)

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

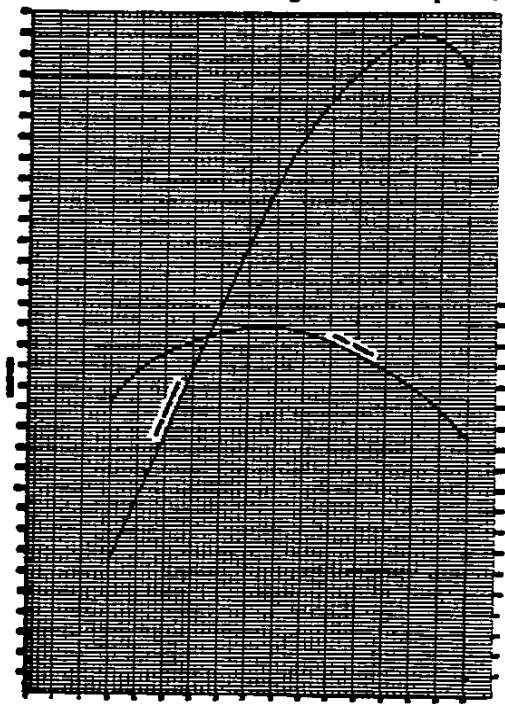
Displacement Factor = $\frac{\text{Power Displacement}}{\text{Performance Wt (tons)}}$

348 CUBIC INCH V-8 ENGINE-Cont'd.

TURBO-THRUST 348 CUBIC INCH V-8 ENGINE
4-barrel Carburetor-Engine Test Report 17688-144



TURBO-THRUST SPECIAL 348 CUBIC INCH V-8 ENGINE
4-barrel Carburetor, Special Camshaft, and
Synchronesh Transmission-Engine Test Report 18005-41



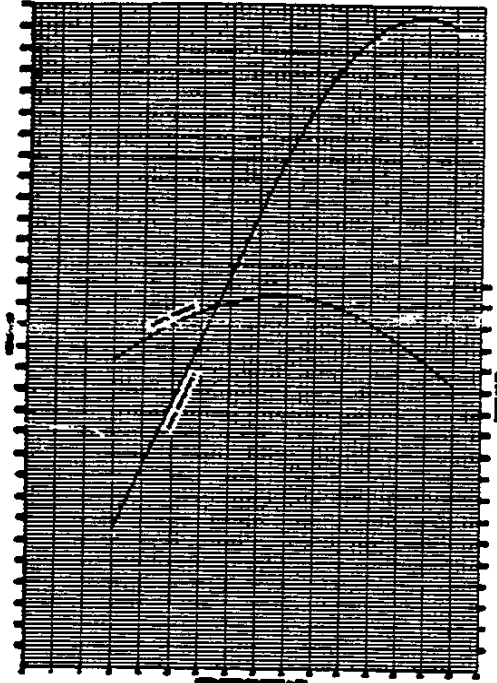
The engine performance curves represent full throttle performance as obtained from dynamometer test data corrected to standard barometric pressure 29.92 inches of mercury and standard temperature of 60°F.

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

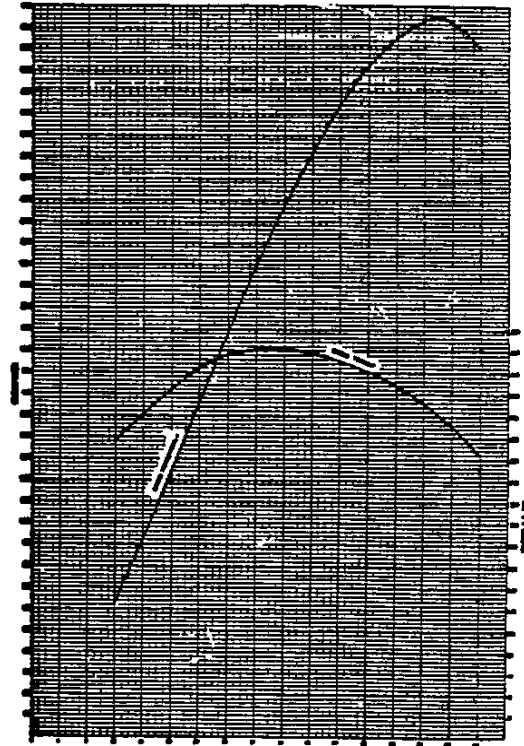
system, no fan, generator not charging, optimum spark advance, & optimum fuel setting. •

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

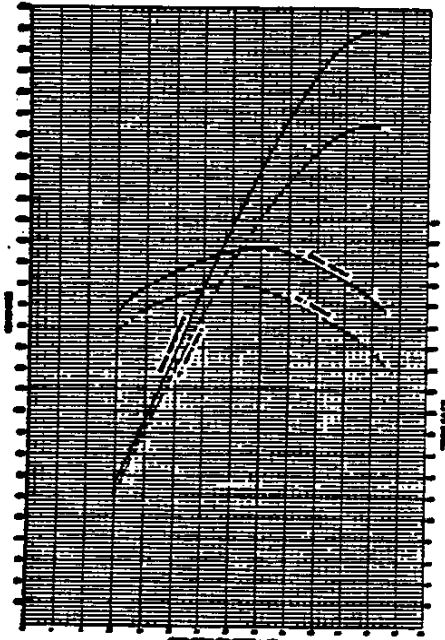
TURBO-THRUST SPECIAL 348 CUBIC INCH V-8 ENGINE
 4-barrel Carburetor, Special Camshaft and Heavy Duty
 Powerglide Transmission- Engine Test Report 18005-8



SUPER TURBO-THRUST SPECIAL 348 CUBIC INCH V-8 ENGINE
 3 x 2-barrel Carburetors, Special Camshaft, and Syn-
 chromesh Transmission-Engine Test Report 18005- 41



SUPER TURBO-THRUST 348 CUBIC INCH V-8 ENGINE
 3 x 2-barrel Carburetors -
 Engine Test Report 17688-144



348 CUBIC INCH V-8 ENGINE-Cont'd

PRINCIPAL COMPONENTS

ENGINE - 348 cu in V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

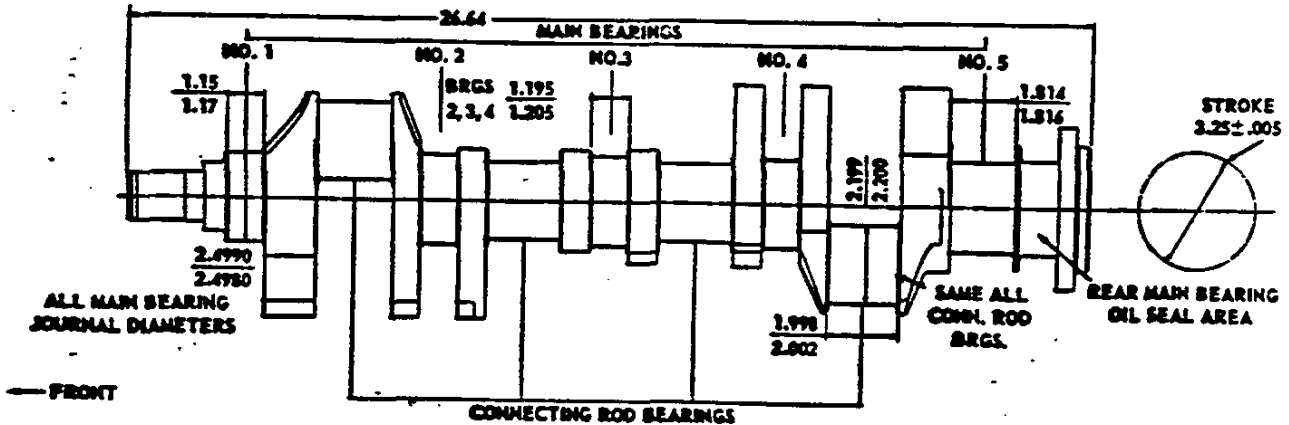
CYLINDER CASE AND HEADS

Material	Cast alloy iron
Bore Diameter	4.124-4.127
Head Bolt Torque	60-70 Lb-Ft
No Cylinder Head Bolts	36

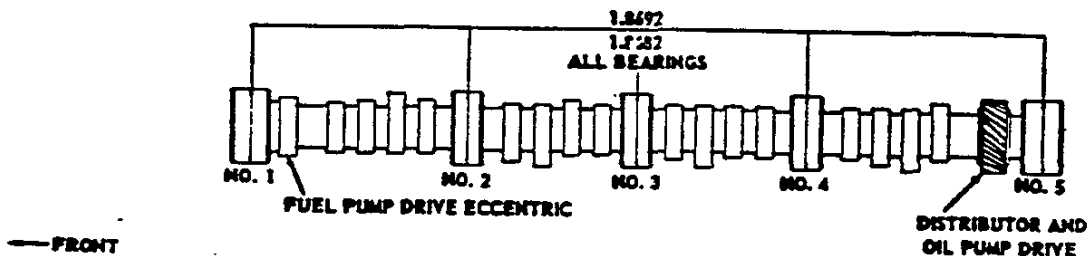
CRANKSHAFT

Material	Forged steel
End Play	.003-.007
Vibration Damper	Oscillating (rubber mounted)
Weight	58.75 Lb
Counterweights	6
Crankshaft Pulley Diameter	6.54 PD
Main Bearings	Extra-life steel backed babbitt
Type	Premium, aluminum
End Thrust Against Bearing	Precision, removable
Clearance	#5
Brg Dim's #1-4, Theo ID	.0006-.0032
Effective length	2.5006
Projected area (Sq In)	1.002
Brg Dim's #5, Theo ID	2.5056
Effective length	2.5006
Projected area (Sq In)	1.262
Projected area (Sq In)	3.1558

CRANKSHAFT AND BEARINGS



CAMSHAFT AND BEARINGS



ENGINE-348 Cu In V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

CAMSHAFT

Make	Chevrolet
Material	Cast alloy iron
Bearings	Extra-life steel backed babbitt
Dim's, #1-4, Ream Dia	1.8712
Effective length	.860
Projected area (Sq In)	1.609
Dim's, #5, Ream Dia	1.8712
Effective length	.940
Projected area (Sq In)	1.759
Drive	Chain and Sprocket
Crankshaft sprocket matl	Steel
Camshaft sprocket matl	Cast alloy iron
Timing Chain, Make	Link Belt
No. of links	48
Width	.88
Pitch	.500

VALVE MECHANISM

Type	Rocker arm, push rod actuated	
Lifters	Hydraulic	Mechanical
Body material		
Foot	Cast alloy iron	
Sleeve	Steel	
Plunger	Steel	
Push rod	Steel	
Rocker Arm Ratio	1.75:1	
Valve Lash		
Inlet	Zero	.008 •
Exhaust	Zero	.018

VALVES

Inlet			
Material	High alloy steel •		
Stem to guide clearance	.0010-.0027		
Lift	.4005	.4076	.4058
Exhaust			
Material	High alloy steel •		
Stem to guide clearance	.0025-.0042		
Lift	.4119	.4139	.4120

• - Valve faces aluminized with special cam and synchromesh transmission

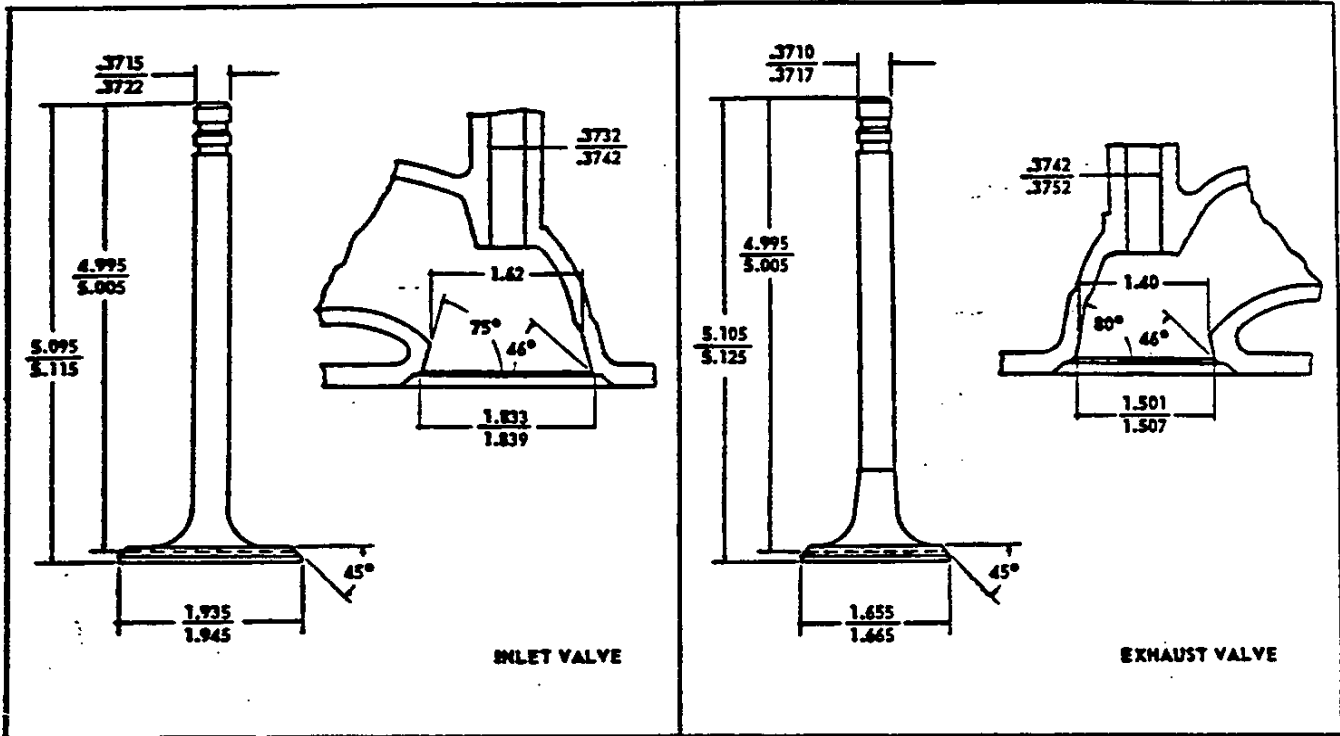
VALVE SPRINGS

Compressed Length (In @ Lb)			
Valves closed	Inner	1.626 @ 78-86 lb	1.488 @ 20-24
	Outer		1.696 @ 76-84 •
Valves opened	Inner	1.230 @ 184-196 lb	1.06 @ 55-61
	Outer		1.366 @ 155-165 •
Free Length	Inner	Approx 2.0	1.84
	Outer		2.03 •

Inner and outer valve springs apply only to special cam and synchromesh transmission

348 CUBIC INCH V-8 ENGINE-Cont'd.

PRINCIPAL COMPONENTS - Continued



ENGINE- 348 Cu In V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

VALVE SPRING DAMPERS

No. of Coils	3.56
Free Length	1.765

PISTONS

Material	Cast aluminum alloy	
Head, Type	Peak roof	Half flat; half slanted downward 16°, notched
Skirt, Type	Slipper, autothermic	
Weight (Oz)	28.08	29.20
Top Land Clearance	.0325-.0367	
Skirt Clearance	.0016-.0020	
Groove Depth		
Compression ring	.2283-.2334	
Oil control ring	.2183-.2234	

COMPRESSION RINGS

No per Piston	Two	
Type, Upper and Lower	Thick wall, inside bevel or counterbore	
Material	Cast alloy iron	
Coating		
Upper ring	Flash chrome plate	.004-.007 chrome plating
Lower ring	Wear resistant	
Width	.0770-.0780	
Gap	.015-.025	
Wall Thickness	.196-.206	

ENGINE-348 Cu In V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

OIL RINGS

Type	Multi-piece (2 chrome rails and one spacer)
No. per Piston	One
Material	
Rails	Steel *
Spacers	Stainless steel *
Coating, Rails	Chrome plated OD
Width	.187-.189 *
Gap	.015-.055 *
Wall Thickness	.165-.171 *

CONNECTING RODS

Material	Forged steel	
Length	6.134-6.136	
Bearings		
Material	Steel backed babbitt	Premium*
Type	Precision, removable	
Effective length	.867	
Clearance	.0007-.0027	
End play	.008-.014	
Theoretical ID	2.2012	
Projected area (Sq in)	1.908	

* - Aluminum

TIMING DIAGRAM DATA

Inlet Valve Opens - BTC	18°30'	47°47'40" *	49°37'40" *
Closes - ABC	67°30'	88°47'40" *	86°37'40" *
Exhaust Valve Opens - BBC	68°30'	104°0'54" *	91°13'24" *
Closes - ATC	25°30'	35°0'54" *	56°13'24" *
Inlet Ramp Opening	.0034, 10°	.0066, 20°	.0059, 18°
Closing	.0044, 13°		
Exhaust Ramp Opening	.0034, 10°	.0102, 31°	.0095, 29°
Closing	.0044, 13°		
Inlet Tappet Lift	.2288	.2329	.2316
Exhaust Tappet Lift	.2354	.2365	.2354

348 CUBIC INCH V-8 ENGINE-Cont'd.

LUBRICATION SYSTEM

ENGINE-348 Cu In V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Cylinder Walls	Pressure, jet cross spray
Camshaft Bearings	Pressure
Lifters	Pressure
Timing Gear	Nozzle sprayed
Oil Pressure Gauge	Electric
Crankcase Vent	Road draft type
Crankcase Capacity (Qt)	
Dry	4.5
Refill	4.0

OIL PUMP

Type	Gear
Normal Oil Pressure	35 PSI @ 2000 RPM
Intake Type	Fixed
Capacity (GPM, hot)	4.0-4.2 @ 1170-1200 RPM

OIL FILTER

Availability	Production
Type	Full flow, spring loaded disc by-pass
Capacity (dry)	1.0 quart
Replacement Type	Element

LUBRICANT GRADES AND TEMPERATURES

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

OIL PAN DRAIN SCREW

Type	Hex head
Location	Lower front edge of oil pan sump
Size Hex Head	.860-.875
Thread	1/2-20 UNF 2A
Length	0.81
Diameter	.410-.430

FUEL AND EXHAUST SYSTEM

ENGINE-348 Cu In V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

FUEL GAUGE

Make	AC
Type	Electric

FUEL TANK

Capacity (Gal)	
9-Pass Wagon	18
6-Pass Wagon, Sedan Delivery & Sed Pick-up	17
All others	20
Filler Location	
Station Wgn. Sedan Delivery & Sed Pick-up	In left rear quarter panel
All others	Center of body back lower panel at rear of hinged license plate

FUEL FILTER

Fuel Tank	Strainer
Carburetor Inlet	Sintered bronze filter

FUEL PUMP

Make	AC
Type	Mechanical
Pressure Range (PSI)	5.25-6.50 9.25-10.75

CARBURETORS

Regular Transmission				
Make	Carter	Rochester	Carter	Rochester
Model	3779180 *		3772600**	
Front		7013015		7013973
Center		7013020		7013974
Rear		7013017		7013975
Automatic Transmission				
Make	Carter, Rochester	Rochester	Carter	
Model	3779179 *, 7013006		3772600	
Front		7013015		
Center		7013016		
Rear		7013017		
Type	4 bbl., downdraft	2 bbl., downdraft	4 bbl., downdraft	2 bbl., downdraft
SAE Flange Size	1.25		1.50	1.25
Venturi ID by Make *	Carter	Rochester		Carter
Primary	1.06	1.13	Fr & Rr 1.19	1.25
Secondary	1.25	1.25	Center 1.25	1.56
Throttle Bore	1.4375		1.56 Pr, 1.68 Sec	1.4375
Choke	Automatic			

AIR CLEANER

Make	AC
Element	Paper

EXHAUST SYSTEM

Type	Dual with resonators
Exhaust Pipe OD	2.00 2.50
Wall thickness	.0625
Tail Pipe OD	1.87 2.00
Wall thickness	.0598

* - Primary and Secondary data applies to 4-barrel carburetors only

** - Aluminum intake manifold on engines with synchromesh transmissions

348 CUBIC INCH V-8 ENGINE-Cont'd.

COOLING SYSTEM

ENGINE-348 Cu In V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

GENERAL

Type	Pressure with full length water jacket around each cylinder
Shroud	Production
Drain Locations	
Radiator	Right front side
Type	Petcock
Engine block	Right and left center
Type	Plug

THERMOSTAT

Make	Harrison
Type	Pellet
Begins to Open @	167-172°F
Fully Opened @	192°F

RADIATOR

Make	Harrison
Type	Tube on center
Core Constant and Thickness	
3 and 4-speed	.25 x .55 x 1.75
Powerglide	.22 x .55 x 1.75
Turboglide	.20 x .55 x 1.75
Frontal Area (Sq In)	428
Capacity (Qt)	
Less heater	21
With heater	22

RADIATOR, HEAVY DUTY (RPO 257)

Core Constant & Thickness	
3 & 4-speed	.20 x .55 x 1.985
Automatic transmission	.18 x .55 x 1.985
Frontal Area (Sq. In)	450.93

RADIATOR CAP

Type	Pressure
Valve Opens @	Approx 13 psi

RADIATOR HOSE

Location, Inlet	Thermostat housing to radiator
Location, Outlet	Water pump to radiator
Type	Molded elbow
Inlet ID	1.50
Outlet ID	1.75

FAN AND GENERATOR BELT

Number Used	One
Angle of "V"	37-44°
Pitch Line Length	56.50
Width	.375-.385
Fan Pulley Size	7.00 PD, 36° "V"

COOLING SYSTEM - Continued

ENGINE-348 Cu In V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

FAN

Number of Blades	4, staggered
Diameter	17.62
Ratio (fan to engine RPM)	.949:1

WATER PUMP

Type	Centrifugal
Capacity (GPM @ RPM)	53 @ 4000
Drive	Fan belt
Bearing	Permanently lubricated double row ball

ELECTRICAL SYSTEM

GENERATOR

Make	Delco-Remy	
Model	1102097	1102173
Type	Two brush, shunt wound	
Drive	By fan belt	
Pulley Size	2.88 PD	3.62 PD ●
Generator RPM/MPH	Approx 101	Approx 89 ●
Max Gen Output RPM (hdt)	2450	2580
Eng RPM @ Max Gen Output	1065	1410 ●
Ratio (Gen to engine RPM)	2.3:1	1.83:1 ●
Rating, Amperes	30	35
Volts	12-15	

OPTIONAL GENERATOR EQUIPMENT

35 Amp (RPO 338)	1102174
49 Amp (RPO 326)	1105123 (Medium duty)
50 Amp (RPO 378)	1106681 (Low cut-in)

BATTERY

Make	Delco-Remy
Model	1980558
Voltage Rating	12
Number of Cells	6
Plates per Cell	11
Terminal Grounded	Negative
Location	Right front of engine compartment on radiator baffle
Capacity	61 amp hr @ 20 hr rate

OPTIONAL BATTERY EQUIPMENT (RPO 345)

Model	1980668
Capacity	70 amp hr @ 20 hr rate

VOLTAGE AND CURRENT REGULATOR

Make	Delco-Remy	
Model	1119234	1119235
Type	Vibrator	
Cut-out Relay, Closing Voltage @ Gen RPM	11.8-13.5 @ 1300	
Voltage Regulator, Volts	13.8-14.8	
Current Regulator, Amps	27-33	33-37

348 CUBIC INCH V-8 ENGINE-Cont'd.

ELECTRICAL SYSTEM - Contd.

ENGINE - 348 cu in V-8	Turbo-Thrust	Super Turbo-Thrust	Turbo-Thrust Special	Super Turbo-Thrust Special
			HD PG	Synchromesh

SPARK PLUGS

Make	AC		
Model	44N		43N
Thread Size	14 MM		
Gap	.033-.038		
Torque	25 Lb-Ft		

DISTRIBUTOR

Make	Delco-Remy		
Model	1110948		1110919 *
Breaker Gap	.019 (new)		
Cam Angle	26-33°		29° ▼
Breaker Arm Tension	19-23 Oz		
Centrifugal Spark Adv Starts	700 RPM		
Max degrees @ RPM	24 @ 4600		
Maximum Vacuum Adv	15° @ 15" Hg		

STARTING MOTOR

Make	Delco-Remy		
Model, Conv and PG	1107688		
Turboglide	1107687		
Rotation (drive end view)	Clockwise		
Test Conditions	Engine at operating temperature		
No Load Test, Amps	65-100		
Volts	10.6		
RPM	3600-5100		
Drive, Engagement Type	Positive shift solenoid		
Number of teeth	9		
Flywheel to Starter			
Gear Ratio	18.6:1		
Flywheel Face Tooth			
Width, Conv & PG	.4135		
Turboglide	.3435		

STARTING

Ignition Switch Positions	Locked Off, Unlocked Off, On, and Start
Starting Procedure	Turn ignition key to extreme right after placing shift lever in neutral and depressing clutch
Regular Transmissions	
Automatic Transmission	Turn key to extreme right, selector in Park or Neutral

COIL

Make	Delco-Remy			
Model	1115083	1115111	1115107	1115114
Amps Drawn, Eng stopped	4.0			
Engine idling	1.8			

IGNITION TIMING

Initial Setting	8° BTC	12° BTC
Mark Location	Vibration damper	
Firing Order	1-8-4-3-6-5-7-2	

* - Dual breaker points

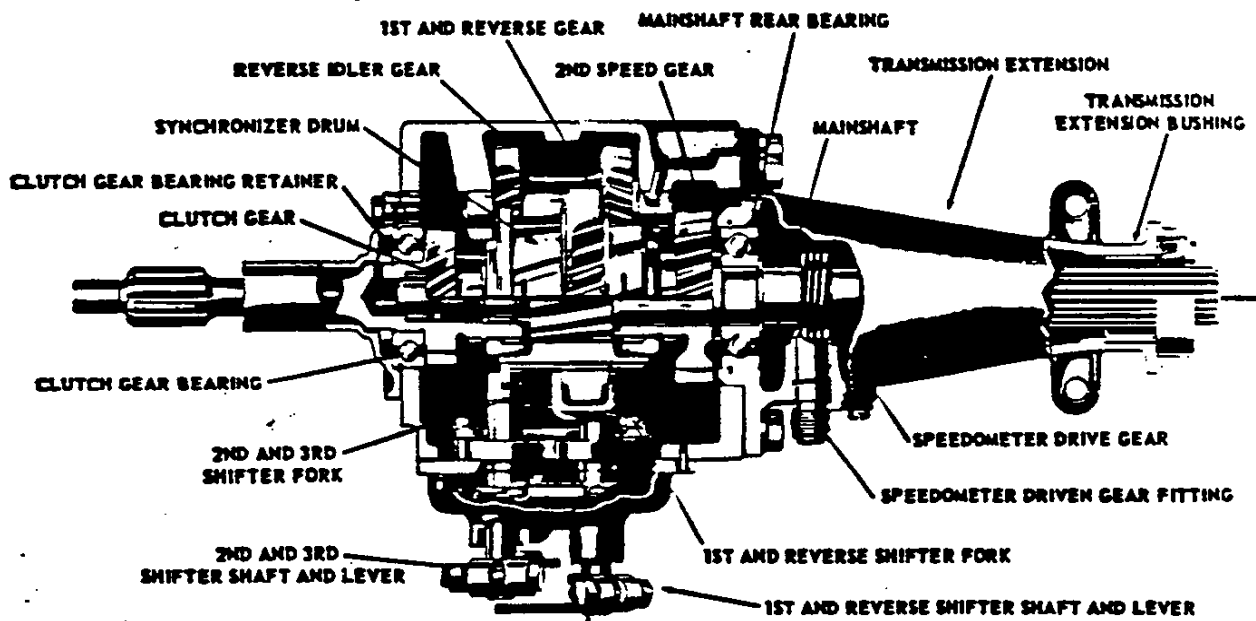
▼ - Per breaker, 33-34° total cam angle

October 1959

34-POWER TRAINS

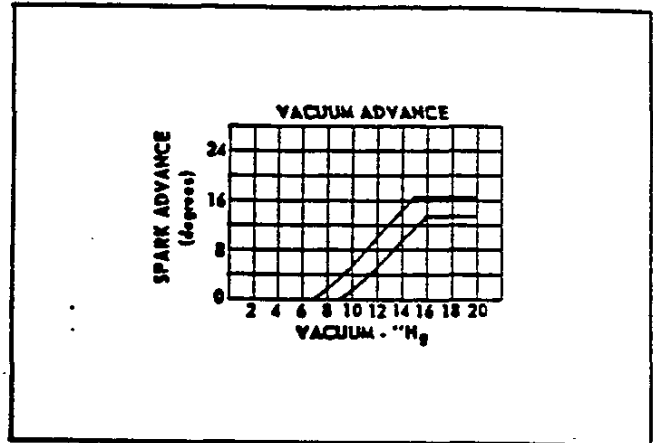
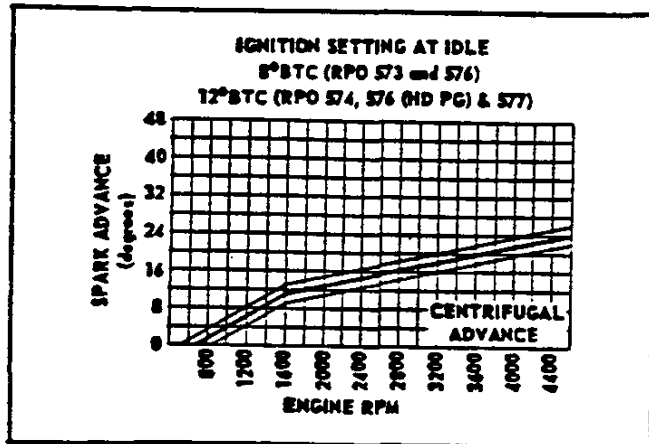
348A CUBIC INCH V-8 ENGINE-Cont'd

TRANSMISSIONS



THREE-SPEED TRANSMISSION

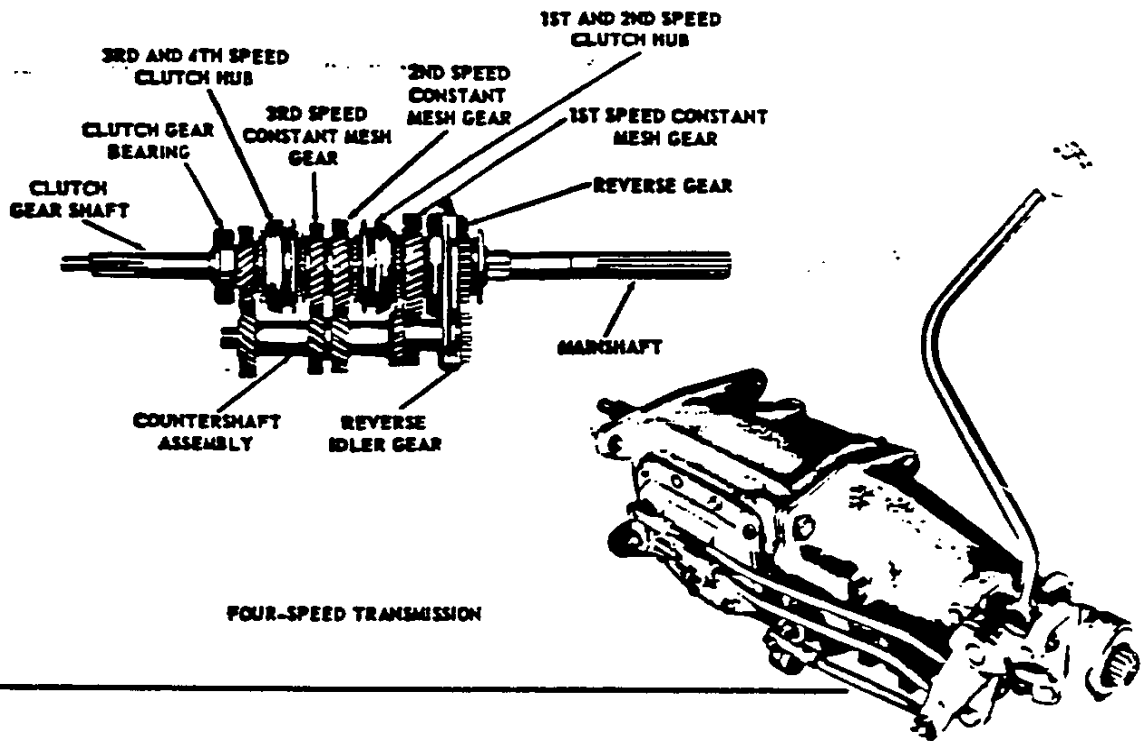
ELECTRICAL SYSTEM - Continued



CLUTCHES

ITEM	Hi-Thrift 6 Cylinder		Turbo-Fire 3-Speed	Super Turbo-Fire V-8 3-Speed	Turbo-Fire & Super Turbo-Fire V-8 O'drive	Turbo-Thrust & Super Turbo-Thrust 3 & 4-Speed	
	3-Speed & O'drive	Heavy-Duty Clutch					
Type	Single plate, dry disc.			Semi-centrifugal, single plate, dry disc.			
Rated Torque Cap (Lb-Ft)	245	342	295	313	323	370	
Drive	Strap						
Clutch Spring	Material	Spring steel, heat treated					
	Spring pressure	Through diaphragm spring					
	Total pressure	1450-1600	1575-1725			1775-1875	
Release	Diaphragm action, spring pivots on pivot ring						
Driven Disc	Type	One spring cushioned plate with two facings					
	Vibration dampers	6 cushion springs			12 cushion springs		
	Facings (two)	Material	Woven asbestos*			Asbestos**	
		OD	9.5	11.0	10.0	10.5	
		ID	6.0	6.5	6.0	6.5	
Area (total)		85.22	123.70	100.53	90.72	106.81	
Thickness	.135	.133		.135	.133		
Bear- ings	Clutch Release	Lubrication					
	Pilot	Lubrication	Packed for life				
		Type	Sintered powdered bronze bushing, oil impregnated				
		Make & No	Chevrolet - 3752487				
		ID	.5915-.5925				
		OD	1.0935-1.0945				
Width	.740-.760						
Lubrication	Self						
Con- trols	Clutch fork type	Forged pivot mounted on ball					
	Pedal mounting	Pendant from brace on dash					
Fly- wheel	Material	Cast alloy iron					
	Wt with ring gear (Lb)	30.90	31.40	28.22		29.30 *	
	Ring Gear	Type	Hot rolled steel, shrunk on flywheel				
		No of teeth	168				
Width & PD	.4110-.4160; 14.00 PD						
Clutch attachment to flywheel	6 bolts						

* - Molded asbestos used optionally in Hi-Thrift 6 Cylinder 3-Speed & Overdrive clutches.
 ** - Woven; premium grade



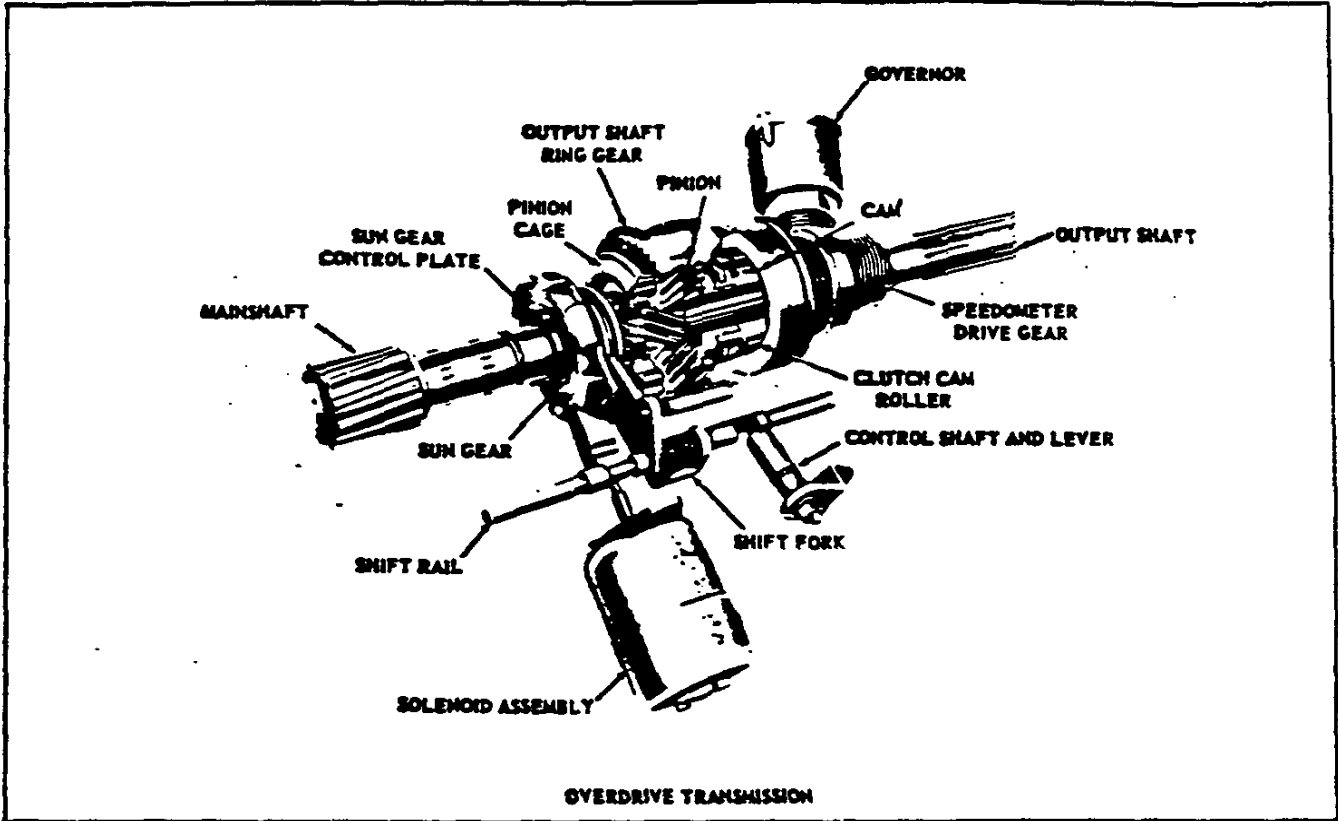
FOUR-SPEED TRANSMISSION

THREE AND FOUR-SPEED CONVENTIONAL TRANSMISSIONS

ITEM		235 Cu In 6 Cyl	283 Cu In V-8	348 Cu In V-8	RPO (V-8's only)*	
Make		Own, synchromesh, manual shift				
Type		3-Speed			4-Speed	
Gearshift	Control	Remote				
	Type	Lever				
	Location	On steering column			On floor	
Gears	Type	All helical				
	Material	Forged steel, hardened				
	Synchronization	2nd and 3rd			1st, 2nd, 3rd, 4th	
	Constant mesh gears	2nd			1st, 2nd, 3rd	
	Sliding gears	1st and reverse			Reverse	
	Gear Ratios	First	2.94:1		2.47:1	2.20:1
		Second	1.68:1		1.53:1	1.66:1
Third		Direct		Direct	1.31:1	
Fourth					Direct	
Reverse		2.94:1		2.80:1	2.26:1	
Speedometer Gears	Tooth pitch		28			
	Teeth	Drive	8			
Driven		21	20			
Lubricant	Type recommended	SAE 90 transmission multi-purpose or mineral oil lubricant				
	Capacity	2 pints			1.5 pints	
Oil seal (transmission extension)		Steel encased double seal of spring loaded synthetic rubber and felt				
Anti-friction bearings		See anti-friction bearing chart				

*-348 Cubic Inch engines only

+ -This transmission also optional on Corvette



OVERDRIVE UNIT-RPO 315

GENERAL DATA

Type ----- 3-speed synchro-mesh with 3-pinion planetary drive unit. The drive unit with its integral mainshaft replaces the mainshaft and extension of the regular 3-speed transmission.

Lockout Switch ----- Manually controlled by "pull type" cable located under instrument panel to right of steering column. With handle fully extended, overdrive is locked-out.

Kickdown Switch ----- On carburetor, actuated by accelerator pedal.

Minimum Cut-in Speed ----- 27-30 MPH

Cut-out Speed ----- 18-22 MPH

GEAR RATIOS		
Overdrive Unit	Locked Out	Locked In
First	2.94:1	2.058:1
Second	1.68:1	1.176:1
Third	1.00:1	0.700:1
Reverse	2.94:1	

SPEEDOMETER GEARS

Tooth Pitch ----- 30

Teeth-driving and Driven ----- 8 & 24

LUBRICANT

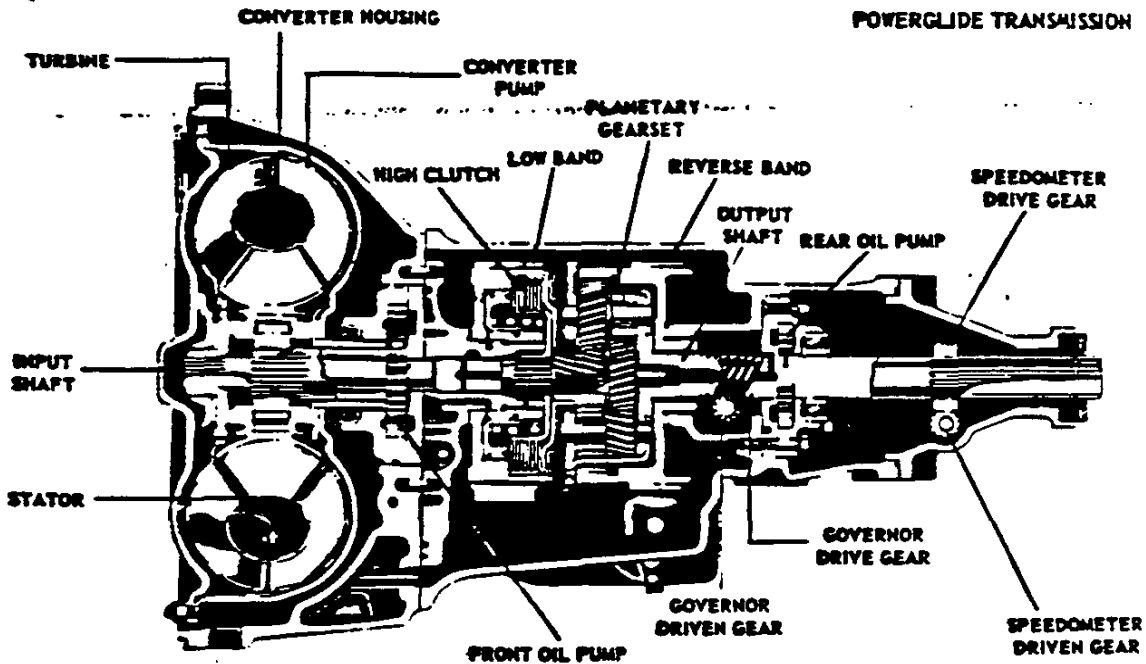
Type ----- SAE 90 transmission or mineral oil

Capacity

Transmission ----- 2 pints

Overdrive unit ----- 1 pint

Total ----- 3 pints



POWERGLIDE-RPO 313

GENERAL DATA

Make & Type ----- Own, automatic hydraulic torque converter with planetary gear system for reverse and low; converter maximum torque ratio (at stall) ----- 2.1:1
 Total Transmission Torque Multiplication (converter planetary gear ratio)
 Maximum overall transmission ratio ----- 3.82:1
 Low gear drive or low range ----- 3.82:1 to 1.82:1
 Reverse range ----- 3.82:1 to 1.82:1
 Oil Type ----- Automatic transmission fluid, type A Suffix "A".
 Oil Capacity ----- 10.5 qt; refill 4.5 qt.
 Oil Cooler ----- Integral with radiator assembly and connected to trans by inlet and outlet pipes
 Selector Lever
 Location ----- On steering column
 Operation ----- Actuates manual valve in hydraulic control system
 Positions (indicated in quadrant on steering column) ----- Five; (left to right), Park - Reverse - Neutral - Drive - Low
 Parking Lock
 Type ----- Pawl and gear
 Operation ----- Applied by selector lever through positive linkage
 Flywheel --- Steel stamping with welded-on ring gear
 Drive Range - Representative Shift Points:
 Accelerator pedal position: Miles per hour

	Upshift	Downshift
Closed throttle	13-15	10-13
Throttle at detent	30-45	14-18
Full throttle	48-53	45-50

HYDRAULIC TORQUE CONVERTER

Type ----- Three element
 Driving Member (pump) ----- Sheet metal, multi-vane type, spot weld to torque converter housing. The housing cover is bolted to the flywheel
 Driven Member (Turbine) -- Sheet metal, multi-vane type supported by torque converter housing cover. Turns independently of housing. Splined to input shaft.
 Reaction Member (stator) ----- Aluminum air foil type supported on a stationary sleeve by an overrunning clutch of cam and roller design.

HIGH CLUTCH

Type ----- Multiple-disc
 Driving Discs
 Number ----- Four
 Type ----- Steel with cork and paper facings, bonded
 Driven Discs
 Number ----- Five
 Type ----- Steel

PLANETARY GEAR UNIT

Type ----- Compound planetary
 Gear Ratios
 Cruising range ----- 1:1 (Direct drive)
 Low range ----- 1.82:1
 Reverse ----- 1.82:1
 Low brake band ----- Double-wrapped design (linked circular segments)
 Low band servo
 Type ----- Piston, one release spring
 Reverse brake band ----- Single strap
 Reverse band servo
 Type ----- Piston with release spring and inner cushioning spring.

POWERGLIDE -- Cont'd.

HYDRAULIC CONTROLS

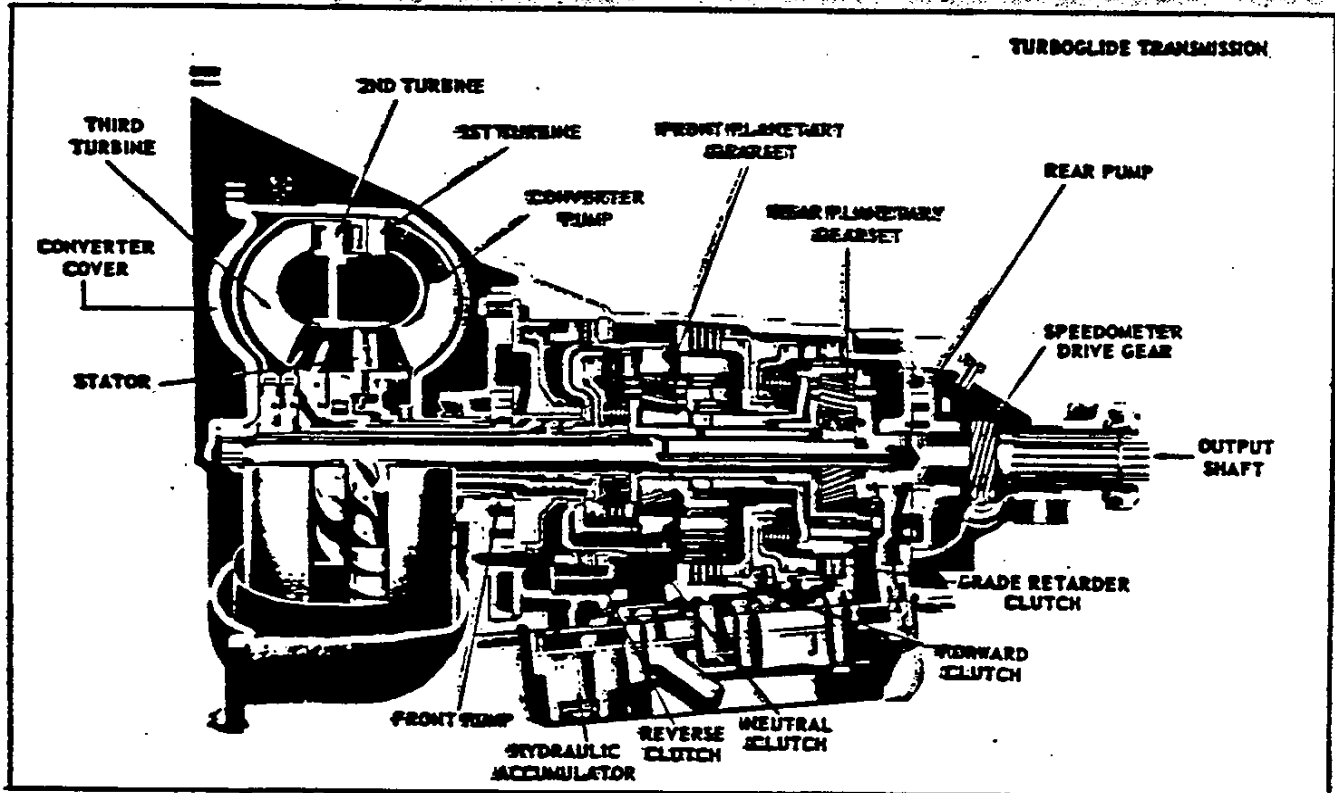
Manual Valve		
Type	Spool	
Pressure Regulator Valve:		
Type	Spool	
Pressure range (PSI)	V-8	6-Cyl.
Drive and Neutral*	50-120	50-77
Low and Park*	120	77
Reverse	98-250	96-180
Governor		
Type	Centrifugal	
Drive	From transmission output shaft	
Location	Accessible from rear of transmission left side	
Operation	Regulates pump oil pressure to automatic shifting control valves body	

HEAVY DUTY POWERGLIDE

This transmission used with Turbo-Thrust Special 348 Cubic Inch engine (4-barrel carburetor with special camshaft) is same as regular Production (RPO 313) except for the following differences:

CONVERTER COVER	
Type	33 bolt
HIGH CLUTCH	
Type	Five plate
GOVERNOR	
Type	Modified to raise shift point from 4250 RPM to 5400 RPM

* - At maximum idling speed of 425 RPM in drive.



TURBOGLIDE - RPO 302

GENERAL DATA

Make ----- Own
 Type ----- Triple turbine hydraulic torque converter with first turbine and second turbine driving output shaft through planetary gearsets. Third turbine drives output shaft directly. Planetary gearsets also provide Reverse and Grade Retarder operation. Two position stator vanes provide extra multiplication.
 Drive Position Torque Multiplication (maximum)
 Low stator angle ----- 3.8
 High stator angle ----- 4.3
 Reverse Position Torque Multiplication ----- 3.1
 Oil Type ----- Type A
 Suffix "A"
 Oil Capacity
 Dry ----- 19 Pt
 Refill ----- 4 Pt
 Oil Cooler ----- Integral with radiator assy and connected to transmission by inlet and outlet pipes
 Selector Lever
 Location ----- On steering column
 Operation ----- Actuates manual valve in hydraulic control system
 Quadrant Positions (on stg column)
 Number ----- Five
 P ----- Park
 R ----- Reverse
 N ----- Neutral
 D ----- Drive
 GR ----- Grade Retarder
 Line Pressures
 Park ----- 80 PSI
 Reverse ----- 80-200 PSI
 Neutral ----- 80 PSI
 Drive ----- 80-200 PSI
 Grade Retarder ----- 80 PSI

HYDRAULIC TORQUE CONVERTER

Type ----- Five element
 Driving Member (pump) ----- Sheet metal, multi-vane type, spot-welded to torque converter housing. Housing cover is bolted to the flywheel.
 Driven Members
 First turbine ----- Die cast aluminum axial flow air foil type, drives rear sun gear shaft
 Second turbine ----- Die-cast aluminum axial flow air foil type, pinned and press fit to steel hub: drives front ring gear shaft

Third turbine ----- Sheet metal, multi-vane type, drives output shaft
 Reaction member (stator) ----- Magnesium air foil type with dual pitch, controlled by accelerator position.

CLUTCHES

Type ----- Multiple-disk
 Material
 Driven plates --- Faced with non-metallic compound
 Pressure plate ----- Sintered iron
 Reaction plates ----- Steel
 Return Spring
 Forward & Grade Retarder ----- Radial row of coil springs
 Reverse ----- Diaphragm type
 Active Faces
 Forward ----- Eight
 Reverse and neutral ----- Six
 Grade Retarder ----- Six

PLANETARY GEAR UNIT

Material ----- Steel
 Number of Pinions
 Front ----- Six
 Rear ----- Three
 Drive Gear Ratios
 Drive position
 Front planetary gear set ----- 1.63:1
 Rear planetary gear set ----- 2.67:1
 Gear Retarder position
 Rear planetary gear set ----- 2.67:1

PARKING LOCK MECHANISM

Type ----- Spring loaded wedge
 Operation ----- Applied by selector lever through positive linkage

SPEEDOMETER GEARS *

Teeth
 Drive gear ----- 8
 Driven gear
 283 Cu In engine ----- 20
 348 Cu In engine ----- 18

* - Also applicable to Powerglide transmission



AMA Specifications – Passenger Car

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MAKE OF CAR CHEVROLET **MODEL YEAR** 1960 **DATE ISSUED** 10-2-59 **REVISED** 12-1-59

COMPANY Chevrolet Motor Division, General Motors Corporation

MODEL NAME	SYMBOL	MODEL NAME	SYMBOL
Corvette	867		

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NOTES:

- The Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.
- UNLESS OTHERWISE INDICATED:
 - Specifications apply to the standard model without optional equipment. Significant deviations are noted.
 - Specifications apply basically to 4-door sedan or equivalent.
 - Nominal design dimensions are used throughout these specifications.

GENERAL SPECIFICATIONS

(All dimensions in inches unless otherwise indicated)

MODEL	Additional Information Page No.	Corvette
Wheelbase (L-101)	23	102.0
Tread	Front (W-101)	57.0
	Rear (W-102)	59.0
Maximum Overall Dimensions	Length (L-103)	177.2
	Width (W-103)	72.8
	Height (H-101)	51.6
Transmission- (Specify trade name - opt., not available)	Manual	3-speed (standard); 4-speed (optional)
	Overdrive	None
	Automatic	Powerglide (optional)
Axle ratio	Manual	3.70:1
	Overdrive	None
	Automatic	3.55:1
Tire size	16	6.70x15-4 pr
Engine	Type, no. cyl., valve arr.	2 90° V-8, OHV
	Fuel system (Carb. or Ing.)	6 Carburetor
	Bore and stroke	2 3.875x3.000
	Piston displ., cu. in.	2 283.0
	Std. compression ratio	2 9.5:1
	Max. bhp at engine rpm	2 230 @ 4800
	Max. torque at rpm	2 300 @ 3000

AMA Specifications – Passenger Car

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POWER TEAMS

(Indicate whether standard or optional)

SERIES	ENGINE				TRANSMISSION	AXLE RATIO (Std. first)	
	Displacement	Carburetor	Compression Ratio	BHP			
Corvette 867	283	4-bbl. (Std)	9.5:1	230@ 4800	3-speed	3.70* (Std) 4.11* 4.56*	
					4-speed		
						Powerglide	3.55 (Std)
		2x4-bbl. (Opt)	9.5:1	245@ 5000	3-speed	3.70* (Std) 4.11* 4.56*	
					4-speed		
						Powerglide	3.55 (Std)
		2x4-bbl. (spec. cam) (Opt)	9.5:1	270 @ 6000	3-speed 4-speed	3.70* (Std) 4.11* 4.56*	
		Fuel Inj. (Opt)	11.0:1	275 @ 5200	3-speed 4-speed	3.70* (Std) 4.11* 4.56*	
		Fuel Inj. (spec. cam) (Opt)	11.0:1	315 @ 6200	3-speed 4-speed	3.70* (Std) 4.11* 4.56*	

(* Standard ratio available with standard or limited-slip axle; optional ratios available with limited-slip axle only.

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MODEL Corvette 4-barrel 2x4-bbl. Fuel Injection
Reg. cam Spec. cam Reg. cam Spec. cam

ENGINE PISTONS (Cont.)

Clearance (limits)	Top land	.035-.043
	Skirt	.0016-.0020
Ring groove depth	No. 1 ring	.2153-.2218
	No. 2 ring	.2153-.2218
	No. 3 ring	.2053-.2158
	No. 4 ring	None

ENGINE—RINGS

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil control
	No. 4, oil or comp.	None
Compression	Description - material, type, coating, etc.	Inside bevel, cast alloy iron, chrome plated OD
	Width	.0775-.0780 upper .0770-.0780 lower
	Gap	.010-.020
Oil	Description - material, type, coating, etc.	Steel rails (a)
		Cast alloy iron
	Width	.187-.189
		.1860-.1865
Gap	.010-.020	
Expanders	In oil ring assembly	

ENGINE—PISTON PINS

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

ENGINE—CONNECTING RODS

Material	Drop forged steel	
Weight (oz.)	19.02	
Length (center to center)	5.699-5.701	
Bearing	Material & Type	Extra-life steel backed babbitt - removable (b)
	Overall length	.817
	Clearance (limits)	.0007-.0027
	End play	.008-.014

- (a) Stainless steel spacers.
- (b) With special camshaft, premium aluminum bearings.
- (c) Upper flash chrome plate.
- (d) Upper .004-.007 chrome plate.

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MODEL Corvette 4-barrel Dual 4-bbl. Fuel Injection
Reg. cam Spec. cam Reg. cam Spec. cam

ENGINE—VALVE SYSTEM (cont.)

Timing	Intake	Opens (°BTC)	12°30'	35	12°30'	35
		Closes (°ABC)	57°30'	72	57°30'	72
		Duration - deg.	250	287	250	287
	Exhaust	Opens (°BBC)	54°30'	76	54°30'	76
		Closes (°ATC)	15°30'	31	15°30'	31
		Duration - deg.	250	287	250	287
Valve opening overlap		28°	66°	28°	66°	
Material		High alloy steel				
Intake	Overall length		4.902-4.922	4.870-4.890	4.902-4.922	4.870-4.890
	Actual overall head dia.		1.715-1.725			1.935-1.94
	Angle of seat & face		46° and 45°			
	Seat insert material		None			
	Stem diameter		.3415-.3422			
	Stem to guide clearance		.0010-.0027			
	Lift		.3987	.394	.3987	.394
	Outer spring press. and length	Valve closed (lb. @ in.)	69-79@1.696			
		Valve open (lb. @ in.)	159-169@1.306			
	Inner spring press. and length	Valve closed (lb. @ in.)	Valve spring damper 5-10 lb.			
Valve open (lb. @ in.)						
Material		High alloy steel				
Exhaust	Overall length		4.913-4.933	4.891-4.911	4.913-4.933	4.891-4.911
	Actual overall head dia.		1.495-1.505			
	Angle of seat & face		46° and 45°			
	Seat insert material		None			
	Stem diameter		.3410-.3417			
	Stem to guide clearance		.0015-.0032			
	Lift		.3987	.400	.3987	.400
	Outer spring press. and length	Valve closed (lb. @ in.)	69-79@1.696			
		Valve open (lb. @ in.)	159-169@1.306			
	Inner spring press. and length	Valve closed (lb. @ in.)	Valve spring damper 5-10 lb.			
Valve open (lb. @ in.)						

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	Pressure spray
	Cylinder walls	Pressure, jet cross spray

(Continued)

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED _____
 MODEL Corvette 4-barrel Reg. cam Spec. cam

ENGINE—LUBRICATION SYSTEM (cont.)

Oil pump type	Gear
Normal oil pressure (lb. @ engine rpm)	35@2000
Oil pressure sending unit (elect. or mech.)	Electric
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, partial, other)	Full flow
Filter replacement (element, complete)	Element
Capacity of crankcase, less filter-refill (qt.)	5.0
Oil grade recommended (SAE viscosity and temperature range)	32°F and above - SAE 20W, SAE 20, SAE 10W-30 0°F and above - SAE 10W, SAE 10W-30 Below 0°F - SAE 5W, SAE 5W-20 Sustained high speed over 90°F - SAE 30 may be used
Engine Service Requirement (MM, MS, etc.)	MS or DG

ENGINE—EXHAUST SYSTEM

Type (single, single with cross-over, dual, other)	Dual
Muffler No. & type (reverse flow, straight thru, separate resonator)	TWO Reverse flow; straight thru with special cams
Exhaust pipe dia. (O.D. & wall thickness)	None
	2.0x.0625
Tail pipe diameter (O.D. & wall thickness)	1.87x.0598

ENGINE—FUEL SYSTEM

(See Supplement to Page 6 for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.	Carburetor (Fuel Injection optional) (a)			
Fuel Tank	Capacity (gals.)	16.4 (b)		
	Filler location	Rear of left door opening		
Fuel Pump	Type (elec. or mech.)	Mechanical		
	Locations	Lower right front corner of engine		
	Pressure range	5.25-6.50		
Vacuum booster (std., optional, none)	None			
Fuel Filter	Type	Sintered bronze		
	Locations	Carburetor inlet		
Carburetor	Make	Carter		
	Model	Front (e)	3744002	3741089
		Rear (c)	3744004	3741090
	Number of carbs., bbls. per carb. & type	One, 4-bbl., downdraft	Two, 4-bbl., downdraft	
	Barrel size	1.3125		
	Choke type	Automatic		
Intake manifold heat control (exhaust or water)	Exhaust			
Air clnr. type	Standard	Oil wetted		
	Optional	Paper element (Fuel Injection)		

(a) See Supplement to Page 6 for details of Fuel Injection.

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(b) 24.0 gallon; fiberglass material; for use with hardtop models (soft tops cannot be lowered into top well) (LPO 1625)

(c) Apply to Dual 4-bbl carburetors only.

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Supplement to Page 6

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SUPPLEMENTARY INFORMATION

Engine Fuel System - Fuel Injection

MODEL Corvette

Injection System	Make	Rochester Products
	Model	7017310 (b)
	Type	Constant flow
Fuel Recommended		Premium
Fuel Pump	Type	Mechanical
	Location	Lower right front corner of engine
	Pressure range	5.25-6.50 psi
Auxiliary Fuel Filter	Type	Paper filter
	Location	Bracket to engine adapter on right, rear of center
Inlet Manifold Adapter - Material		Cast aluminum
Inlet Manifold - Material		Cast aluminum
Air Induction (a)	Air cleaner type	Dry (paper element)
	Air meter location	Left side of engine
	Plenum chamber	Integral with inlet manifold
	Ram pipes	Eight, integral with inlet manifold
Ram pipe length		12 inches
Fuel Induction		Metered as function of air flow
Air/Fuel Ratio Control	Type	Vacuum sensitive diaphragm
	Location	On fuel meter
Fuel Meter Pump	Type	Gear
	Location	In fuel meter assembly
	Drive	Flexible shaft from distributor
	Pressure (max.)	300 psi
Injection Nozzles	Number used	Eight
	Material	Brass
	Location	Mounted on inlet manifold above inlet ports
	Orifice size, fuel	.0118
Insulation		Bakelite blocks
Automatic Enrichment	Type	Electric, time-temperature
	Location	On air meter assembly
	Current draw	1 amp @ 70°
	Fast idle cam	Yes

(a) Air intake ducts which channel outside air to engine compartment are furnished with Fuel Injection.

(b) 7017320 with special camshaft.

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MODEL Corvette

ENGINE—COOLING SYSTEM

Type system (pressure, pressure vented, atmospheric, other)		Pressure	
Radiator cap relief valve pressure		6.25-7.75 psi	
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at (°F)	160	
Water pump	Type (centrifugal, other)	Centrifugal	
	Number of pumps	One	
	Drive (V-belt, other)	V-belt	
	Bearing type	Double row ball	
By-pass recirculation type (internal, external)		Internal	
Radiator core type (cellular, tube and fin, other)		Cellular (c)	
Cooling system capacity	With heater (qt.)	16.5	
	Without heater (qt.)	15.5	
	Opt. equipment-specify (qt.)	None	
Water jackets full length of cylinder (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Radiator hose	Lower	Number and type (molded, straight)	One, molded
		Inside diameter	1.75
	Upper	Number and type (molded, straight)	One, molded
		Inside diameter	1.50
	By-pass	Number and type (molded, straight)	None
		Inside diameter	—
Fan	Number of blades & Spacing		Four, staggered
	Diameter		17.12
	Ratio-fan to crankshaft rev.		.949:1
	Fan cutout type		Optional (a)
	Bearing type		Double row ball
*Drive belts (indicate belt used by letter)	Fan		A
	Generator		A
	Water Pump		A
	Power Steering		None
	Air Conditioning		None

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*-Drive Belt Dimensions	A
Angle of V	37-44°
Nominal length (SAE)	55.40 (b)
Width	.380 ± .005

- (a) Viscous coupling, 5-blade, 17.12" dia. fan, fan speed limited to 3100 rpm.
 (b) Pitch length.
 (c) Aluminum cross flow (drawn cup construction) radiator and 13 psi radiator cap used with special camshaft engines.

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 MODEL Corvette 4-barrel 2x4-bbl. Fuel Injection
Reg. cam Spec. cam

ELECTRICAL—SUPPLY SYSTEM

Battery	Make and Model		Delco, 1980458	
	Voltage Rtg. & Total Plates		12 volts, 54 plate	
	SAE Designation & Amp Hr. Rtg		ZSMR, 53 amp. hr. @ 20 hr. rate	
	Location		Right rear side of engine compartment	
Terminal grounded		Negative		
Generator	Make		Delco Remy	
	Model		1102043	1102173
	Type		Two brush, shunt wound	
	Ratio—Gen. to Cr/s rev.		2.0:1	1.66:1
	Gen. cut-in (hot)—engine rpm		620	745
Regulator	Make		Delco Remy	
	Model		1119001	1119002
	Type		Vibrator	
	Cutout relay	Closing voltage @ generator rpm	11.8-13.5@1300	
		Reverse current to open		
	Regu-lated	Voltage	13.8-14.8	
		Current	27-33	33-37
	Voltage test conditions	Temperature	Operating	
Load		10 amps. max.		
Other		None		

ELECTRICAL—STARTING SYSTEM

Starting motor	Make		Delco Remy	
	Model		1107664	
	Rotation (drive end view)		Clockwise	
	Engine cranking speed			
	Test conditions		Engine at operating temperature	
	Lock test	Amps		
		Volts		
		Torque (lb. ft.)		
No load test	Amps	75 (max.)		
	Volts	10.3		
	RPM (min.)	6900		
Motor control	Switch (solenoid, manual)		Solenoid	
	Starting procedure		3 and 4-speed, depress clutch and shift into neutral; Powerglide - place selector lever in "N" (Neutral) or "P" (Park). Depress accelerator pedal to floorboard to set automatic choke, release. Turn ignition to extreme right to engage starting motor.	

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 MODEL Corvette 4-bbl Dual 4-bbl Fuel Injection
Reg cam Spec cam

ELECTRICAL—STARTING SYSTEM (cont.)

Motor Drive	Engagement type		Positive shift solenoid	
	Pinion meshes (front, rear)		Front	
	Number of teeth	Pinion	9	
		Flywheel	168	
Flywheel tooth face width		.4135		

ELECTRICAL—IGNITION SYSTEM

Coil	Make		Delco Remy			
	Model		1115091	1115107		
	Amps	Engine stopped	4.0			
Engine idling		1.8				
Distributor	Make		Delco Remy			
	Model		1110946	1110891(a)	1110915	1110914(a)
	Cent'fgal adv. in crankshaft degrees @ engine rpm (nominal)	Start (rpm)	0 @ 600			0 @ 1000
		Intermediate points deg. @ rpm	14 @ 1500			5 @ 1500
		Max deg. @ rpm	28 @ 3700			22 @ 6000
	Vacuum adv. in crankshaft degrees @ in. Hg. (nominal)	Start (in Hg)	0 @ 8	None	0 @ 4.75	None
		Intermediate points, deg @ in Hg	None			None
		Max. deg. in. Hg.	15 @ 15.5	None	24 @ 13.5	None
	Breaker gap (in.)		.019			
	Cam angle (deg.)		26-33	29± 1 (b)	26-33	29± 1 (b)
	Breaker arm tension (oz.)		19-23			
Timing	Crankshaft deg. @ rpm.		4° BTC	12° BTC	8° BTC	18° BTC
	Mark location		Damper			
	Cylinder numbering system (see page 2)		Left bank 1-3-5-7 Right bank 2-4-6-8			
	Firing order (see page 2)		1-8-4-3-6-5-7-2			
Spark Plug	Make and model		AC 44	AC 44-FF		
	Thread (mm)		14			
	Tightening torque (lb. ft.)		25			
	Gap		.033-.038			
Cable	Conductor type		Linen core impregnated with electrical conducting material			
	Insulation type		Rubber with neoprene jacket			
	Spark plug protector		Hypalon jacket			

ELECTRICAL—SUPPRESSION

Locations & type	Non-metallic high tension cable
------------------	---------------------------------

- (a) Dual breaker points
 (b) Per breaker, 33° ± 1 total cam angle (both breakers)

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 MODEL _____ Corvette

ELECTRICAL—INSTRUMENTS AND SWITCHES

Speed-ometer	Make	AC
	Trip odometer (yes, no)	No
Charge indicator—type		Ammeter
Temperature indicator—type		Gauge (electric)
Oil pressure indicator—type		Gauge (bourdon tube)
Fuel indicator—type		Gauge (electric)
Other		Tachometer (mechanical)
Ignition switch	Identify positions in order and circuits controlled	Counterclockwise from vertical ----- Off, Lock Vertical ----- Off, unlocked 1st pos. clockwise from vertical----- On, ign & accessories 2nd pos. clockwise from vertical ----- Start, ign & starter spring return to On
	Provision for illumination	None
	Location	On instrument panel, right of steering column
Main lighting switch	Identify positions and lights controlled	Depressed - off 1st notch -instrument panel, parking, tail, license lamps 2nd notch -instrument panel, head, tail, license lamps Rotate clockwise to dim or turn off instrument panel lamps, counterclockwise to turn on or brighten panel lamps.
Other light switches	Locations and lamps controlled	Toe panel ----- Headlamp dimmer
		Steering column ----- Turn signal
	Hinge pillars ----- Courtesy lamps (a, b)	
	Brace below instrument panel ----- Stop lamps	
	Parking brake handle shaft ----- Parking brake alarm lamp (a)	
Other switches	Locations and devices controlled	Instrument panel, center ----- Power folding top (c)
		Instrument panel, left ----- Electric w/s wipers
		Door panels, LH and RH ----- Electric window lifts (c)
		Instrument panel, lower ----- Radio (a)
		Instrument panel, lower ----- Heater blower (a)
Windshield wiper	Make	Delco
	Type	Electric, 2-speed
	Vacuum booster provision	None
	Washer provision	Factory Option Accessory (d)
Horn	Type	Vibrator
	Number used	2
	Amp draw (each)	8.0-11.0 @ 12.5 volts

- (a) Available as Factory Option Accessory
- (b) Switch on lamp housing only
- (c) Available as Regular Production Option
- (d) Includes co-ordinator and vacuum reserve tank

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MODEL Corvette

ELECTRICAL—FUSE & CIRCUIT BREAKER DATA

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

Headlamp	15 CB (a)
Headlamp beam indicator	(a)
Parking light	(a)
Tail light	3 AG/AGC-10 amp (b)
Stop light	(b)
Direction indicator	Flasher
License plate light	(b)
Instrument light	AGC - 3 amp (c)
Ignition light	None
Back up light	None
Dome light	None
Clock	(b)
Clock light	(c)
Radio	Light (c); Receiver 3 AG/AGC 7.5 amp
Glove compartment light	None
Park brake alarm	(b)
Power windows	40 CB (d)
Heater blower	(b)
Cig lighter light	(c)
Power top	(d) and 2 SAE 30 amp

ELECTRICAL—LOCATION OF OUTSIDE LAMPS

Height above ground to center of bulb	Tail	Lowest	27.8
		Highest	27.8
	Stop		27.8
	Backup		None
	License, rear		16.3
	Directional	Front	12.5
		Rear	27.8
Headlamp	Inside	28.2	
	Outside*	28.2	
Distance from C/L of car to center of bulb	Tail	Inside	- - -
		Outside	29.6
	Stop		29.6
	Backup		None
	License, rear		8.5
	Directional	Front	19.2
		Rear	29.6
	Headlamp	Inside	22.8
Outside*		29.1	

* If single headlamps are used enter here.

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 MODEL Corvette

DRIVE UNITS—CLUTCH (Manual Transmission)

Make & type	Borg and Beck, dry plate	
Type pressure plate springs	Coil	
Total plate pressure (lb.)	1620 initial	
No. of clutch driven discs	One	
Clutch facing	Material	Premium woven asbestos composition
	Outside & inside dia.	10.0 x 6.5
	Total eff. area (sq.in.)	90.72
	Thickness	.132-.138
	Engagement cushioning method	Springs
Release bearing	Type & method of lubrication	Ball bearing, sealed
Torsional damping	Methods: springs, friction material	Spring at hub

DRIVE UNITS—TRANSMISSIONS

Manual (std. or opt.)	Standard
Manual with overdrive (std. or opt.)	None
Automatic (std. or opt.)	Optional

DRIVE UNITS—MANUAL TRANSMISSION

Number of forward speeds		Three	Four
Transmission ratios	In first	2.21:1	2.20:1
	In second	1.32:1	1.66:1
	In third	1.00:1	1.31:1
	In fourth	None	1.00:1
	In reverse	2.51:1	2.26:1
Synchronous meshing, specify gears		2nd and 3rd	1st thru 4th
Capacity (pt.)		2.0	1.5
Lubricant	Type recommended	A-9 mineral lubricant	
	SAE viscosity number	Summer	SAE-90
		Winter	SAE-90
		Extreme cold	SAE-80

AMA Specifications – Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED _____

MODEL _____ Corvette

DRIVE UNITS—MANUAL TRANSMISSION WITH OVERDRIVE

For transmission data see manual transmission section

Overdrive	Type (planetary or other)		None	
	Manual lockout (yes, no)		-	
	Downshift accelerator control (yes, no)		-	
	Minimum cut-in speed		-	
	Gear ratio		-	
	Lu- bri- cant	Capacity (pt.) (Overdrive only)		-
		Separate filler (yes, no)		-
		Type recommended		-
		SAE vis- cosity number	Summer	-
			Winter	-
Ext. cold		-		

DRIVE UNITS—AUTOMATIC TRANSMISSION

Trade name		Powerglide
Type describe		Torque converter with planetary gears
Method of Selection (Lever, Push Button or other)		Lever
Selector Pattern		P-R-N-D-L
List gear ratios Selector Pattern and indicate which are used in each selector position		Drive 1.82 and 1.00:1 (a) Low 1.82:1 Reverse 1.82:1
Max. upshift speeds—drive range		55
Max. kickdown speeds—drive range		50
Torque converter	Number of elements	3
	Max. ratio at stall	2.1:1
	Type of cooling (air, water)	Air
Lubricant	Capacity—refill (pt.)	9
	Type recommended	"A" suffix "A"
Special transmission features		Three element hydraulic torque converter with automatic planetary gear system for reverse and low

(a) Total transmission torque multiplication - 3.82:1

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MODEL _____ Corvette

DRIVE UNITS—PROPELLER SHAFT

Number used		One
Type (exposed, torque tube)		Exposed
Outer diameter x length* x wall thickness	Manual transmission	2.5 x 34.55 x .065
	Overdrive transmission	None
	Automatic transmission	Same as manual transmission
Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	None
Make		Own
Number used		Two
Universal joints	Type (ball and trunnion, cross, other)	Yoke and spider (trunnion)
	Bearing	Type (plain, anti-friction)
		Lubric. (fitting, prepack)	Fitting
Drive taken through (torque tube or arms, springs)		Rear springs and radius rods
Torque taken through (torque tube or arms, springs)		Rear springs and radius rods

DRIVE UNITS—REAR AXLE

Description - (Incl. limited slip differential)		Standard axle-semi-floating, overhung pinion gear. Positraction-semi-floating, overhung pinion gear. Spicer limited slip with dual 4-disc clutches applied by reaction torque through differential side gears.	
Drive Pinion Offset		1.5	
No. of differential pinions		2 (a)	
Gear ratio and No. of teeth	Automatic transmission	3.55: 1 (9-32)	
	Overdrive trans.	None	
	Manual transmission	3.70:1 (10-37) (b)	
Ring gear pitch diameter & O.D.		8.375 PD and OD	
Pinion adjustment (shim, other)		Shim	
Pinion bearing adj. (shim, other)		None	
Wheel bearing type		Ball	
Lubricant	Capacity (pt.)		4.0
	Type recommended		A-9 hypoid
	SAE viscosity number	Summer	SAE-90
		Winter	SAE-90
	Extreme cold	SAE-90	

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

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a) 4 pinions in Positraction axle

b) Optional Positraction axles available with 3.70 (10-37), 4.11 (9-37) and 4.56 (9-41) ratios with synchromesh transmissions. Positraction not available with automatic transmission.

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MODEL Corvette

DRIVE UNITS—WHEELS

Type & material		Short spoke disc, pressed steel
Rim (size and flange type)		15 x 5K (a)
Attachment	Type (bolt or stud)	Stud
	Circle diameter	4.75
	Number and size	5, 7/16-20

DRIVE UNITS—TIRES

Standard (List option below)	Size & ply	6.70 x 15-4 pr (blackwall)(c)
	Type - Nylon, etc.	Rayon
Rev/mile at 30 mph.		760
Inflation press.(cold)	Front	24
	Rear	24

BRAKES—SERVICE

Type (duo-servo, balanced, self adjusting, etc.)		Servo, 4 wheel hydraulic				
		Production	Optional (RPO 686) (d)			
Power brake make & type (remote, integral, etc.)		None				
Effective area (sq. in.)*		157.0	108.0			
Gross lining area (sq. in.)**		157.0	120.0			
Percent brake effectiveness—front		56.0	58.5			
Drum	Diameter	11	11			
	Type and material	Composite-cast alloy iron rim; pressed steel web				
Brake lining	Bonded or riveted		Bonded	Riveted		
	Front Shoe	Material	Full molded asbestos comp		Sintered iron	
		Size (length x width x thickness)	Front wheel	9.29 x 2.0 x .175		2.0 x 1.0 x .205
			Rear wheel	9.29 x 1.75 x .175		2.0 x 1.0 x .325
		Segments per shoe		1		6
	Rear Shoe	Material	Full molded asbestos comp		Sintered iron	
		Size (length x width x thickness)	Front wheel	11.69 x 2.0 x .175		2.0 x .875 x .205
			Rear wheel	11.69 x 1.75 x .175		2.0 x .875 x .325
		Segments per shoe		1		10
	Wheel cylinder bore	Front	1.1875			
Rear		1.000				
Master cylinder bore		1.000				
Available pedal travel		4.50				
Line pressure at 100 lb. pedal load		700 PSI				
Shoe clearance adjustment		Adjust to light drag, back off 7 notches (b)				

* Excludes rivet holes, grooves, chamfers, etc.

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

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(a) 15 x 5.5K wheels available as Regular Production Option

(b) Back off 12 notches with sintered iron brakes

(c) Whitewall tire available as Regular Production Option

(d) Optional heavy-duty brake package (RPO 687) See supplement to page 16.

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Supplement to Page 16

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SUPPLEMENTARY INFORMATION

MODEL Corvette

Optional Heavy Duty Brakes (RPO 687) *

Type			Servo, 4 wheel hydraulic
Effective area (sq. in.)			124.0
Gross lining area (sq. in.)			129.8
Brake effectiveness, front			62%
Drum	Diameter	Front	11
		Rear	11
Type & material		Composite; cast alloy iron rim pressed steel web	
Brake cooling at each wheel			Vanes cast on drum-rim; air scoop on backing plate, fans between drum and wheel hub.
Brake Lining	Attachment		Riveted
	Material		Sintered iron
Front Shoe	Size	Front wheel	1.64x1.25x.205
		Rear wheel	1.64x1.25x.325
Segments per shoe		Primary - 6 ; Secondary - 12	
Brake Lining	Attachment		Riveted
	Material		Sintered iron
Rear Shoe	Size	Front wheel	2.0x.875x.205
		Rear wheel	2.0x.875x.325
Segments per shoe		Primary - 6; Secondary - 10	
Wheel cyl bore		Front	1.125
		Rear	0.875
Master cylinder bore			1.0
Available pedal travel			4.5
Line pressure @ 100 lb pedal load			700 PSI
Shoe clearance adjustment			Adjust to slight drag, back off 2-1/2 notches

* - RPO 687 includes fast steering adapter.

100

101

102

103

104

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MODEL **Corvette**

BRAKES—PARKING

Type of control		T-handle pull rod
Location of control		Below instrument panel, left of steering column
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	None
	Drum diameter	None
	Lining size (length x width x thickness)	None

FRAME or UNITIZED CONSTRUCTION

Type and description	Full length welded box section side members, "I" beam "X" member Bracing "X" member to front side members. "U" type rear shock absorber cross member. Box section front and rear cross member
----------------------	--

SUSPENSION—GENERAL (See Supplemental page 17 for details on Air Suspension)*

Provision for car leveling		None
Provision for brake dip control		None
Provision for acc. squat control		None
Special provisions for car jacking		Scissors type jack provided
Shock absorber front & rear	Type	Direct double acting (a)
	Make	Delco
	Piston dia.	1.0
Other special features		Auxiliary rear radius rods control spring wind-up

SUSPENSION—FRONT

Type and description	Unitized, independent, short and long arm
----------------------	--

(a) Each contains nitrogen-filled envelope in fluid reservoir to prevent fluid aeration.

(Continued)

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

AMA Specifications – Passenger Cars

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MODEL _____ Corvette

SUSPENSION FRONT (cont.)

Spring	Type	Coil
	Material	Chrome alloy steel
	Size (coil design height & I.D.; bar length x dia.)	9.62 x 3.002 x 116.0 x .550
	Spring rate (lb. per in.)	300
	Rate at wheel (lb. per in.)	110
Stabilizer	Design load (lb. @ design height)	1235 @ 9.62
	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel .67-.70

STEERING

Mechanical (std., opt., NA)		Standard			
Power (std., opt., NA)					
Wheel diameter		17"			
Turning diameter	Outside front	Wall to wall (l. & r.)	Left: 39 feet, right: 38.5 feet		
		Curb to curb (l. & r.)	Left: 37 feet, right: 36.5 feet		
	Inside rear	Wall to wall (l. & r.)			
		Curb to curb (l. & r.)			
Outside wheel angle with inside wheel at 20°		17°			
Mechanical	Gear	Type	Semi-reversible, worm and ball bearing sector		
		Make	Saginaw		
		Ratios	Gear	Overall	16.0:1
	No. wheel turns		21.0:1	16.3:1 @	3.25 @
			3.7		
Power	Type (coaxial, linkage, etc.)		None		
	Make		-		
	Trade name		-		
	Gear	Type	-		
		Ratios	Gear	-	
			Overall	-	
	Pump driven by		-		
	Number wheel turns		-		
Linkage	Type		Center point		
	Location (front or rear of wheels, other)		Rear of wheels		
	Drag link (trans. or longit.)		Longitudinal		
	Tie rods (one or two)		Two		

@ - Special steering part of cerematalix brake option.

(Continued)

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MODEL _____ Corvette

STEERING (cont)

Steering Axis	Inclination of camber (deg.)		3°30' - 4°30'
	Bearings (type)	Upper	Bushing
		Lower	Bushing
		Thrust	Single row ball
Wheel alignment (range and preferred)	Caster (deg.)		2°±30'
	Camber (deg.)		0°±30'
	Toe-in (outside tread-inches)		.00 - .12 per wheel
Steering spindle & joint type			Reverse Elliott
Wheel spindle	Diameter	Inner bearing	1.2810-1.2815
		Outer bearing	.7498-.7503
	Thread size		3/4-20
	Bearing type		Ball

SUSPENSION—REAR

Type and description			Outrigger mounted leaf springs	
Drive and torq. taken through (see page 15)			Rear springs and radius rods	
Spring	Type		Leaf, semi-elliptic	
	Material		Alloy steel	
	Size (length x width, coil design height and I.D.; bar length & dia.)		51.0 x 2.0	
	Spring rate (lb. per in.)		115 (a)	
	Rate at wheel (lb. per in.)			
	Design load (lb. at design height)		725 @ .08 negative camber height	
	Mounting insulation type		Rubber bushed	
	If leaf	No. of leaves		4 (a)
		Inserts	Type and size	Liners; 19.8, 31.8, 46.3 long; 1.9 wide; .11 thick
			Material	Wax impregnated fibre board
Shackle (comp. or tens.)		Tension		
Stabilizer	Type (link, linkless, frameless)		Link	
	Material		Hot rolled steel	
Track bar type			None	

(a) Regular production equipment

AMA Specifications – Passenger Car

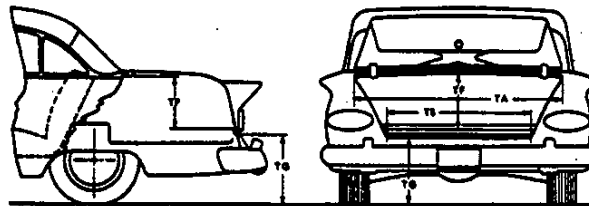
MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED _____

BODY—GENERAL DEFINITIONS

NOTE: Included in the dimension definitions listed on this and the following pages are those which have been adopted by S.A.E. These are indicated by a number following the type of dimension, e.g. L 3. Additional dimensions have been added by the AMA Specifications Body Subcommittee for inclusion in the Questionnaire. These are shown by an additional letter, e.g., MA. Symbol "a" added as suffix to SAE dimensions indicates an AMA modification. The dimensions are developed from the following basic points:

1. Body Dimensions are for all basic body models as indicated.
2. All interior dimensions are taken 15" outboard of car centerline (C/L) unless otherwise stated.
3. Front and rear seat free "A" points are taken 5" forward of vertical tangent to seat back 15" from center of body.
4. Depressed "A" point is the lowest point on the seat cushion depressed contour.
5. Front seat is in full down and normal rear position.
6. Unless otherwise specified all exterior height dimensions are taken with a full design load which consists of 5 passengers, 300 lbs. front, 450 lbs. rear; includes spare wheel, tire and tools, and full complement of gas, oil, water and tires to recommended pressure, etc.
7. DLO (Daylight opening - pages 22 & 24).
8. For further clarification of definitions see SAE Aeronautical—Automotive Drawing Standards, Section E-1.

BODY—TRUNK DIMENSIONS

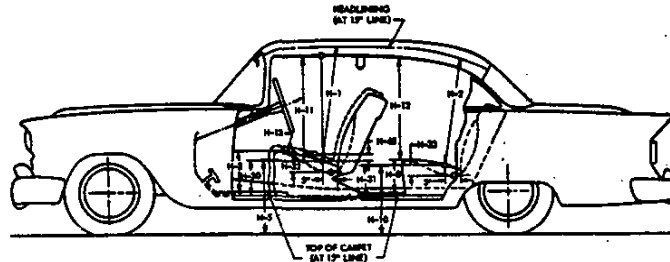


MODEL	Corvette
Usable trunk luggage capacity (See Section E-1 of SAE Automotive Drawing Standards)	4.474 cu. ft.
Total trunk volume in cu. ft. with spare tire in place	
TA—Width across the top	44.8
TB—Width across the bottom	Opening is oval
TF—Vertical dimension at C/L from bottom to top of opening	13.8
TG—Vertical height from ground to trunk lower opening (normal surface of outside sheet metal - loaded)	18.1
Position of spare tire stowage	Horizontal in trunk under floor
Method of holding lid open	Counterbalance springs

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BODY—HEIGHT DIMENSIONS—INTERIOR

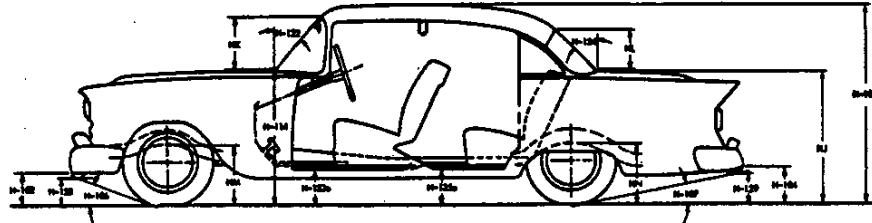


MODEL	Corvette
H1. Front headroom. Free "A" pt. to headlining at 8° back of vertical. (For "A" pt. see note 3, page 20)	Convertible - 35.3 Hardtop - 35.1
H2. Rear headroom. Free "A" pt. to headlining at 8° back of vertical	--
H3. Front cushion height above floor carpet at front edge of cushion. (Ignore risers)	7.3
H5. Free "A" pt. to ground, front. Measured vertically	16.0
H8. Rear cushion height above floor carpet at front edge of cushion. (Ignore risers)	--
H10. Free "A" point to ground rear. Measured vertically	--
H11. Entrance, front. Free "A" point to bottom of windcord, vertical	29.7
H12. Entrance, rear. Top of cushion to bottom of windcord at front edge of rear seat	--
H13. Steering wheel clearance to seat cushion taken on arc (wheel turned for min. clearance)	5.3
H30. Free "A" point reference height, front. Vertical dimension to SAE horizontal reference line	4.8
H31. Free "A" point reference height, rear. Vertical dimension to SAE horizontal reference line	--
H32. Front seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	2.2
H33. Rear seat cushion deflection. Vertical dimension from free "A" point to depressed "A" point	--
H45. Front seat maximum vertical rise at free "A" point	.2

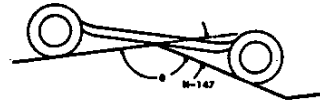
AMA Specifications— Passenger Car

MAKE OF CAR CHEVROLET **MODEL YEAR** 1960 **DATE: ISSUED** 10-2-59 **REVISED** _____

BODY—HEIGHT DIMENSIONS—EXTERIOR



* - INCLUDED RAMP ANGLE
 H-147 - RAMP BREAKOVER ANGLE
 (SUPPLEMENT OF INCLUDED RAMP ANGLE)



NOTE: For dimensions to lamps see page 12.

MODEL	Corvette
H101. Overall height, full design load	Convertible 51.6(a); Hardtop 51.5
HB. Overall height, curb weight	Convertible 52.4(b); Hardtop 52.3
H102. Front bumper bottom to ground at normal section, min. height	17.0
H104. Rear bumper bottom to ground at normal section, min. height	15.3
H106. Angle of approach. To interfering point on bumper, guard, other	20°33'
H107. Angle of departure. To interfering point on bumper, guard, other	16°29'
H114. Hood at rear to ground. Vertical dimension C/L, excluding molding, at hood opening line at cowl	36.5
H122. Windshield normal slope angle to vertical line on car C/L	50°
H124. Backlight normal slope angle to vertical line on car C/L	
H128. Bottom of front bumper guard to ground	9.0
H129. Bottom of rear bumper guard to ground	8.9
H133a. Bottom of front door to ground, min. dimension	13.1
H135a. Bottom of rear door to ground, min. dimension	--
H147. Ramp breakover angle	7°29'
H153. Min. road clearance at rear axle	8.0
H156. Min. road clearance and location	5.9 (c)
HJ. Deck at rear window to ground	35.2
HK. Windshield DLO*. Vertical height at C/L	12.3
HL. Back light DLO*. Vertical height at C/L	8.3
HM. Bottom of frame to ground at C/L of front axle, min. height	15.6
HN. Bottom of frame to ground at C/L of rear axle, min. height.	17.0

* See Note, page 20

(a) Top down - 49.7

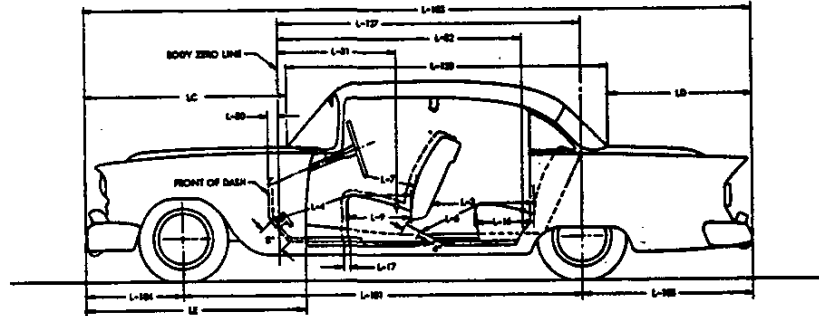
(b) Top down - 50.4

(c) Rear spring front hanger

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BODY—LENGTH DIMENSIONS



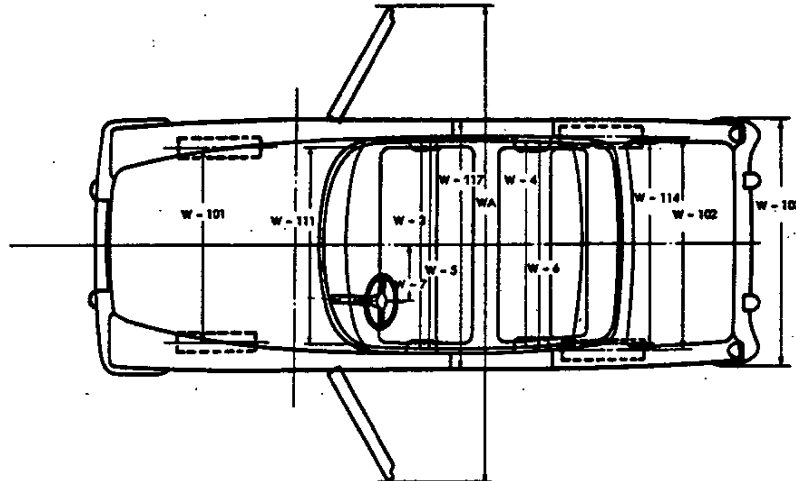
MODEL	Corvette	
Interior	L3. Rear compartment room. Back of front seat back to front of rear seat back	--
	L4. Leg room, front. Ball of foot to top of seat to seat back	45.1
	L5. Leg room, rear. Ball of foot to top of seat to seat back	--
	L7. Steering wheel clearance to seat back taken on arc	16.0
	L9. Front seat depth. Front edge to vert. tan. of seat back	18.7
	L16. Rear seat depth. Front edge to vert. tan. of seat back	--
	L17. Maximum "A" point horizontal travel with normal seat adjustment	4.4
	L30. Vertical body zero line to actual front of dash. Measured horizontally*	.5
	L31. Vertical body zero line to free "A" point, front	41.8
	L32. Vertical body zero line to free "A" point, rear	--
Exterior	L101. Wheelbase	102.0
	L103. Overall length. Incl. bumper guards if standard equipment	177.2
	L104. Overhang, front. Include bumper guards if stand. eq.	33.0
	L105. Overhang, rear. Include bumper guards if stand. eq.	42.2
	L123a. Body upper structure length at C/L, excl. molding	61.0
	L127. Vertical body zero line to centerline of rear wheels	74.1
	LC. Front of car to base windshield, excl. molding	70.1
	LD. Rear of car to base of rear window or upper structure, excl. molding	47.0
	LE. Front of car to front edge of front door	76.7

* Precede figure with minus sign if front of dash is to rear of body zero line.

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MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 10-2-59 REVISED

BODY—WIDTH DIMENSIONS

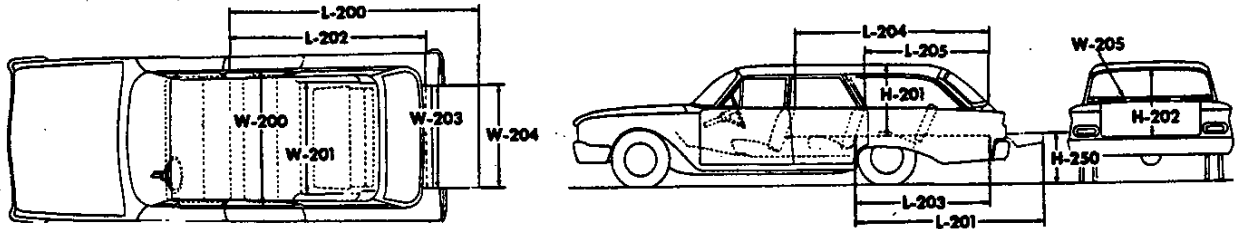


MODEL		Corvette
Interior	W3. Front shoulder room, at garnish molding height or nearest interference 5' forward of seat back	49.4
	W4. Rear shoulder room, at garnish molding height or nearest interference 5' forward of seat back	--
	W5. Front hip room, at top of seat 5' forward of vert. tan. to seat back	59.6
	W6. Rear hip room, at top of seat 5' forward of vert. tan. to seat back	--
	W7. Steering wheel center (on surface plane of wheel) to C/L of body	13.9
Exterior	W101. Front tread at ground	57.0
	W102. Rear tread at ground	59.0
	W103. Max. overall width of car including bumpers or moldings	72.8
	WA. Max. overall width of car with doors open (2 & 4 door)	133.5
	W111. Windshield DLO, max. width	53.6
	W114. Back window DLO, max. width	Hardtop 47.9; Convertible 34.3
	W117. Max. body width at center pillar, less hardware and applied moldings	70.3

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STATION WAGON—CARGO SPACE DIMENSIONS



NOTE: Front seat in full down and normal rear position for all measurements. Lengths and heights measured at car centerline.

MODEL	Corvette
L200 Floor length from back of front seat at floor level to end of lowered tail gate	--
L201 Floor length from back of second seat at floor level to end of lowered tail gate	--
L202 Floor length from back of front seat at floor level to inside of closed tail gate	--
L203 Floor length from back of second seat at floor level to inside of closed tail gate	--
L204 Minimum horizontal distance from top rear of front seat back to inside of top of tail gate	--
L205 Minimum horizontal distance from top rear of second seat back to inside of top tail gate	--
W200a Maximum width of cargo space at floor, specify location	--
W201 Minimum distance between wheel houses at floor level	--
W203 Rear end opening width at floor	--
W204 Rear end opening width at top of tail gate	--
W205 Maximum width of rear opening above raised tail gate	--
H201 Maximum height, floor covering to headlining	--
H202 Maximum height of rear opening, tail and lift gates open	--
H250 Platform height measured from ground to top of tail gate floor covering at rear most edge of tail gate, curb weight	--
Third Seat, facing direction	--
Tail and lift gates or sliding glass	--

AMA Specifications -- Passenger Car

MAKE OF CAR CHEVROLET MODEL YEAR 1960 DATE ISSUED 7-15-59 REVISED _____

MODEL Corvette

BODY—MISCELLANEOUS INFORMATION

Drs. hinged (front, rear)	Front doors	Front
	Rear doors	--
Type of finish (lacquer, enamel, ether)		Acrylic lacquer
Hood hinge location (front, rear)		Front
Hood counterbalanced (yes, no)		No
Hood release control (internal, external)		Internal
Vehicle (Serial) No. Location		LF body hinge pillar
Engine No. Location		Front right side of cylinder block
Theft protection - type		Ignition, key not removable in "Off" (unlocked) position
Vent window control method (crank, friction pivot)	Front	None
	Rear	None
Seat spring type (coil, zigzag, etc.)		Zigzag
Windshield type (single curved, compound curved, other)		Single curved
Rear window type (flat, curved, one piece, three piece)		Folding top - one-piece flexible plastic
		Hardtop - one-piece curved plastic
Side glass type (curved, flat)		Flat
Side glass exposed surface area		500 sq. in.
Windshield glass exposed surface area		908 sq. in.
Backlight glass exposed surface area		408 sq. in.
Total glass exposed surface area		1816 sq. in.

BODY—TYPES AND STYLE NAMES—

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

BODY STYLES	CODES	BODY TYPE, NUMBER OF PASSENGER & STYLE NAMES; USE MANUFACTURER'S CODE FOR SERIES & BODY STYLE.
Corvette	867	2-door convertible 2-passenger

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Inflation - Tires	16	Wheelbase	1
Instruments	6, 10	Wheels & Tires	19
Kingpin (Steering Axis)	19	Wheel Spindle	19
		Widths - Car & Body	1, 24
		Windshield	22, 24, 26
		Windshield Wiper	10