

GENERAL

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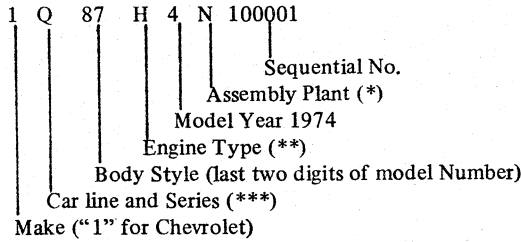
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SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

VEHICLE IDENTIFICATION NUMBER

Vehicle Designation Interpretation



*N - Norwood-Chevrolet

**D - L6-250 (100 H.P.) K - V8-350 (185 H.P.)
 H - V8-350 (145 H.P.) L - V8-350 (160 H.P.)
 T - V8-350 (245 H.P.)

***Q - Camaro

EXAMPLE: The twenty-fifth Chevrolet vehicle built at GMAD Van Nuys if it were a 1FQ87 model (Camaro Sport Coupe) with A V8-350 (145 H.P.) engine would bear VIN Number 1Q87H4N100025.

Location Stamped on plate attached to top left hand of instrument panel.

TRANSMISSION IDENTIFICATION

Example: S4E01

Type	Source	Model Year	Production ^o
Designation	Designation	1974	Month & Date
TM	S (Muncie)	4	E01D*
TM	3-Speed	L-6 engine	S - Muncie
TN	3-Speed	V-8 engine	S - Muncie
WK	4-Speed	V-8 engine	R - Muncie
TT	Turbo Hydra-matic	L-6 engine	B - Cleveland Y - Toledo
FB	Turbo Hydra-matic	V-8 engine	B - Cleveland Y - Toledo
CY	Turbo Hydra-matic	V-8 engine	- - Ypsilanti

Location:

3-Speed Stamped on left side just below cover.

4-Speed Stamped on the right side of the case at adapter.

Turbo Hydra-matic (Chevrolet) Stamped on left hand side of pan.

Turbo Hydra-matic Nameplate tag on right hand side of case.

^oMonth: E denotes May; (see below) 01 denotes 1st day
 Alpha Characters used in identifying the Calendar month

A - January D - April K - July R - October
 B - February E - May M - August S - November
 C - March H - June P - September T - December

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

ENGINE IDENTIFICATION

Example: F1210CCR

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

250 Cubic Inch 6-Cylinder

CCR - Regular engine, 3-speed
 CCW - Regular engine, Turbo Hydra-matic (Chevrolet)

350 Cubic Inch 8-Cylinder (RPO L65)

CMC - Optional engine, 3-speed, 2-bbl. carb.
 CMC - Optional engine, 4-speed, 2-bbl. carb.
 CMA - Optional engine, Turbo Hydra-matic (Chevrolet)

350 Cubic Inch 8-Cylinder (RPO LM1)

CKH - Optional engine, 3-speed, 4-bbl. carb.
 CKH - Optional engine, 4-speed, 4-bbl. carb.
 CKD - Optional engine, Turbo Hydra-matic (Chevrolet)

350 Cubic Inch 8-Cylinder (RPO L48)

CKB - Optional engine, 3-speed, 4-bbl. carb.
 CKB - Optional engine, 4-speed, 4-bbl. carb.
 CKD - Optional engine, Turbo Hydra-matic (Chevrolet)

350 Cubic Inch 8-Cylinder (RPO Z28)

CLJ - Optional engine, 4-speed, 4-bbl. carb.
 CLK - Optional engine, Turbo Hydra-matic

Location:

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

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

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

REAR AXLE IDENTIFICATION

CA - 2.73 Axle
 GY - 3.08 Axle
 CM - 3.42 Axle
 CG - 3.73 Axle

Location, Identification Number
 Bottom left or right of axle tube adjacent to carrier housing.

See Power Train Section for additional information.

EXTERIOR EQUIPMENT

STANDARD EXTERIOR EQUIPMENT LIST

FRONT	Standard 1FQ87	Type LT 1FS87	Style Trim RPO Z21
Grille Center Mounted Crest	X	X	X
Header Mounted Parking Lamp with Clear Lens and Amber Bulb	X		
Header Mounted Parking Lamp with Bright Vertical Bar and Bezel		X	O
Single "Power-Beam" Headlamps	X	X	X
Bright Headlamp Bezel	X	X	X
Argent Colored One-piece Radiator Grille	X	X	X
Bright Moldings on Header Panel, Surrounding Grille		X	
Lower, Valance Panel Mounted Grille, Argent	X	X	X
Bright Valance Panel Molding, along lower surface and at ends of Lower Grille		X	
Black Painted Bumper Filler Panel with Matte Finish	X	X	X
One-piece Bumper with Bright Anodized Finish	X	X	X
License Plate Mounting Provision on Bumper near RH Outboard End*	X	X	X
Front Bumper Impact Strips Reinforced Rubber, Black Accented	X	X	X
Bright Top and Side Windshield Reveal Molding	X	X	X
Two-Speed Windshield Wipers and Washers	X	X	X
Non-depressed Park - Dull Chrome Wiper Arms and 16" Blades	X		X
Concealed Black Chrome Finished Wipers - Articulated Left Blade and 18" Wiper Blades		X	
Bright Hood and Fender Upper Edge Molding			O

* Provided only for States requiring front license plates.

NOTE: "O" indicates deviation from standard equipment, but included in the optional package.

EXTERIOR EQUIPMENT

<u>SIDE</u>	Standard 1FQ87	Type LT 1FS87	Style Trim RPO Z21
Front Marker Lamp with Amber Lens – No Bezel	X	X	X
Front Fender Nameplate “Camaro”–Script	X		X
Front Fender Engine Displacement in Block Numerals for V8 Engine Equipped Vehicles (White Paint Filled)	X		X
Sail Panel Nameplate “Type LT”		X	
Rectangular LH Rear View Mirror	X		X
Sport Mirrors In Body Color for “Type LT”		X	
Bright Chrome Flush Door Handles	X	X	X
Body Colored Tape Insert on Flush Door Handles			O
Bright Wide Rocker Panel Molding	X		X
Bright Body Lock Pillar Vertical Molding			O
Bright Lower Window Sealing Strip Bead	X	X	
Bright Body Lock Pillar Vertical Seal Retainer	X	X	
Bright Roof Drip Moldings			O
Bright Door Belt Reveal Molding			O
Hub Cap	X		X
Bright Side Lower Molding On Door, Rear Quarter and Fender with Black Paint Below		X	
Rally Wheels and Trim Rings, 14 x 7		X	
<u>REAR</u>			
Rear End Panel “Camaro” Script Nameplate Between License and and RH Tail Lamp	X		X
Rear End Panel Nameplate “Type LT” Between License and RH Tail Lamp †		X	
Bright Horizontal Moldings on Rear End Panel, along Upper and Lower Edges		X	
Bright Rear Window Reveal Moldings	X	X	X
Wrap-around Tail Lamp Unit with Bright Outer Bezel Incorporating Stop, Directional Rear Marker, and Back-up Lamps	X	X	X
Rear Bumper Face Bar to Body Filler	X	X	X
Rear Bumper Impact Strips – Reinforced Rubber, black accented	X	X	X

† When Z28 option is provided on Type LT model, the Type LT rear end identification takes precedence.

NOTE: “O” indicates deviation from standard equipment, but included in the optional package.

INTERIOR EQUIPMENT

INTERIOR EQUIPMENT

	Standard (1FQ87 Model)	Type LT (1FS87 Model)	Interior Decor/Quiet Sound Group RPO Z54
ROOF AND PILLARS			
Vinyl Coated Headlining—Perforated, One-Piece	X	X	X
Trim Color Windshield Header, Pillar, Roof Side Rails, and Rear Window Moldings	X	X	X
Black 10-Inch Prismatic Rear View Mirror with Black Padded Edge	X	X	X
Black Rear View Mirror Support, Windshield Mounted Padded Sunshades	X	X	X
Trim Color Plastic Coat Hooks	X	X	X
Center Dome Lamp with Bright Bezel	X	X	X
Door Jamb Dome Lamp Switches	X	X	X
Black Front Seat Shoulder Belt Retractor Reels, Mounted Above Roof Rails	X	X	X
Optional Color Coordinated Front Seat Shoulder Belt Retractor Reels, Mounted Above Roof Rails*	X	X	X
SEATS AND FLOOR COVERING			
Full Foam Bucket Front Seats with Integral Head Restraints and Shoulder Belt Guides	X	X	X
Deluxe Seat Trim		O	
Rear Seat—Dual Cushions with Single, Full-width Backrest — Full Foam Construction	X	X	X
Black Front Seat Adjuster Handle	X	X	X
Black Front Seat Back Latch	X	X	X
Passenger Compartment Floor Covering—Carpet	X	X	X
Luggage Compartment Spatter Paint	X	X	X
Luggage Compartment Rubber Floor Mat with Felt Backing	X	X	X
Front and Rear Seat Belts — Four — Base, Black with Black Die-Cast Metal Buckles, Locking Retractors	X	X	X
Front and Rear Seat Belts — Optional, Color-Coordinated Belts with Color-Keyed Die-Cast Metal Buckles, Locking Retractors*	X	X	X
Front Shoulder Belts — Two — Base, Black Non-detachable	X	X	X
Front Shoulder Belts — Two — Optional Color-Coordinated, Non-Detachable*	X	X	X
Trim Color Seat Back Hinge Arm Cover	X	X	X
DOOR AND QUARTER PANEL			
Injection Molded Lower Door Trim Panel Incorporating Built-in Padded Armrest, Front and Rear Stowage Compartments and Coin Receptacle	X		X
Deluxe Door Trim Panel Incorporating Padded Arm Rest with Integral Door Pull Bar, Built-In Map Pocket and Black Accent Strip		O	
Built-In Rear Quarter Panel Armrest	X	X	X
Clear Plastic Window Control Handle Knobs	X	X	X
Bright Door Lock Buttons	X	X	X
Vinyl and Plastic Quarter Trim	X	X	X
Soft Feel Vinyl Door Upper Trim Panel	X		X
Recessed Door Handle	X	X	X
Plastic Inside Door Handle Cup in Trim Color	X		X
Chrome Inside Door Handle Cup with Black Painted Insert		O	
MISCELLANEOUS			
Additional Body Insulation		O	O
Full Molded Hood Insulation		O	O
Cowl to Fender Seal		O	O
Soft Black Transmission Shift Lever Knob with Inset White Shift Pattern	X	X	X
Floor-Mounted Transmission Shift Lever	X	X	X

NOTES: "O" Indicates deviation from standard equipment, but included with the specific model or in the optional package.

(*) Requires RPO AK1 Deluxe Seat Belts and Shoulder Harnesses; not available with black interior

INTERIOR EQUIPMENT

	Standard (1FQ87 Model)	Type LT (1FS87 Model)	Interior Decor/Quiet Sound Group RPO Z54
INSTRUMENT PANEL AND STEERING WHEEL			
Trim Color Instrument Panel Pad	X	X	X
Black Accented Grey Painted Instrument Cluster	X		
Wood Grain Applique on Instrument Cluster		O	O
Lower Instrument Panel, Ash Tray Face Plate and Glove Box Door, Color-Coordinated		X	
Glove Compartment Door Lock	X	X	X
"Camaro" Glove Compartment Nameplate-Script	X	X	X
Black Side Kick-pad Ventilation Control Knob	X	X	X
Black Astro-Ventilation Control Knob	X	X	X
T-Handle Parking Brake Release	X	X	X
Instrument Panel Ventilation Outlets	X	X	X
Windshield Wiper and Washer Switch Nomenclature-Illuminated (Slide-Type, Depress to Wash) MVSS No. 101	X	X	X
Lighting Control Knob - Black Soft Vinyl with Symbol	X	X	X
Radio Control Knobs - Black Soft Vinyl with Symbols	O-*	O-*	O-*
Speedometer, Odometer, and Fuel Gauge	X	X	X
Temperature, Generator, Oil Pressure and Brake Warning Tell-Tale Lights	X		X
"Fasten Seat Belt" Lamp in Instrument Panel	X	X	X
Hi-Beam and Turn Signal Indicators	X	X	X
Glove Compartment Lamp		O	O
Automatic Shift Quadrant Cover Plate	X	X	X
Clock Hole Cover	X		X
Radio Hole Cover	X	X	X
Ash Tray	X	X	X
Cigarette Lighter Knob - Black Soft Vinyl with Symbol	X	X	X
Blended Air Heater with Illuminated Control Plate	X	X	X
Black Steering Column	X		X
Color-Coordinated Steering Column		X	
Black Four-Spoke Sport Vinyl Steering Wheel with Crest at Center	X		X
Color-Coordinated Four Spoke Vinyl Steering Wheel with Specific Type LT Insert		X	
Steering Column Ignition Switch with Integral Steering Wheel and Transmission Lock	X	X	X
Hazard Flasher Knob - Black	X	X	X
Soft Black Turn Signal Knob	X	X	X
Argent Finish Accent Beads on Lower Instrument Panel			X
One Low-Note Horn	X	X	X
Additional Instrument Cluster Lighting			O
Special Instrumentation Package (RPO U14)		X	

NOTE: "O" indicates deviation from standard equipment, but included with specific model or in the optional package.
 (*) Requires RPO U58, U63 or U69 Radio Equipment

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
Adjustable Seat Back Equipment: Driver's Seat only	AN6	
Air Conditioning, Four-Season: V8 models only (see page 10 for content)	C60	
Battery, heavy duty	UA1	
Belts, seat and shoulder: in addition to or replacing standard belts.		
Custom deluxe belts:		
4 Seat and 2 shoulder, Color-Keyed to interior, Not available with black interior.	AK1	
Shoulder belts – 2 rear: (Black only)		ACC
Bumper guards – Front and rear	V30	
Console, floor	D55	
Glass, Soft-Ray tinted: all windows	A01	
Horns, Dual	U05	
Instrumentation, special: V8 only	U14	
Lighting, auxiliary:	ZJ9	
Courtesy lights		
Glove compartment light		ACC
Luggage compartment light		ACC
Ash tray light		ACC
Underhood light		ACC
Mirror, Sport – LH (Remote Control) & RH (Manual)	D35	
Moldings, body side	B84	
Radiator, heavy duty: V8 only (Included with RPO C60)	V01	
Radio equipment: Radios, Pushbutton – Includes concealed w/s antenna		
AM Radio	U63	ACC
AM/FM Radio	U69	ACC
AM/FM Stereo Radio	U58	ACC
Speaker, rear seat	U80	ACC
Windshield antenna (When no radio is ordered)	U76	
Roof cover, vinyl – Includes bright drip molding	C08	
Spoilers, rear deck and Front Valance	D80	
Sport Striping (Z28 equipment required)	D88	
Steering wheel, Comfortilt:		
Available only when automatic transmission is ordered	N33	
Suspension, special front and rear: (Standard with Z28)	F41*	
Tire, Space Saver Spare	N65	
Windshield wipers – Hide-away (18" blades, LH articulated; black chrome finish)	C24	
Wheel covers, full:	P01	
Wheels, rally (14 x 6 or 14 x 7)	ZJ7	
Wheels, Turbine I	PE1	
Windshield Glass – Tinted (Fleet use only)	A02	
FACTORY-INSTALLED REGULAR PRODUCTION TIRES		
E78 x 14 bias belted ply wide single white stripes	QEH	
F70 x 14 bias belted ply white letter: V8 only	QFD	
F70 x 14 bias belted ply white stripe: V8 only	QFC	
FR78 x 14 steel belted radial ply – white stripe	QDW	
FR78 x 14 steel belted radial ply – white lettered	QBT	

* Requires F70 x 14 or FR78 x 14 tires.

EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
<u>FEATURE ITEMS</u>		
Door edge guards	B93	ACC
Color-keyed floor mats – 2 Front, 2 Rear	B37	ACC
Visor vanity mirror	D34	ACC
Electric clock	U35	
Rear window defogger (Forced Air)	C50	ACC
<u>MODEL OPTIONS</u>		
Interior Decor/Quiet Sound Group (see page 12 for content)	Z54	
Style Trim (see page 12 for content)	Z21	
Special Performance Package (see page 11 for content)	Z28	
<u>POWER TEAMS</u>		
Turbo-Fire 350 V8	L65	
Turbo-Fire 350 V8	L48	
Turbo-Fire 350 V-8 (Special Performance Package)	Z28	
4-Speed manual transmission – wide Ratio: Optional V8 only	M20	
4-Speed manual transmission – close ratio: (Z28 equipment required)	M21	
Turbo Hydra-matic automatic transmission: (Z28 Engine)	M40	
Turbo Hydra-matic transmission: (with L65 & L48 Engines)	M38	
Axle, Positraction	G80	
Axle, trailering ratio	ZJ4	
<u>POWER ASSISTS</u>		
● Brakes, power (Standard on V8 engines, Optional 6 cyl. engines)	J50	ACC
Steering, power: variable ratio	N40	
Windows, Power (Requires D55 Floor console)	A31	

AIR CONDITIONING

FOUR SEASON (RPO C60)

Heater integrated; manually controlled by two horizontal and one vertical lever. Four position vertical lever controls fan speed. Top lever controls mode of operation. Bottom lever controls air flow. Ignition switch controlled fan is always operating at low speed to prevent windshield fogging.

BASIC COMPONENTS

Evaporator, blower, condenser, receiver - dehydrator, refrigerant (freon) tank, air intake assembly and duct assembly for both systems.

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

CHASSIS

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

POWER TRAINS

Fan Blade 7 blade
Fan Clutch Thermomodulated fluid coupling
Crankshaft Pulley Single three groove pulley
Water Pump & Fan Pulley Dual
Compressor & Crankshaft Belt One
Generator 61 Ampere
Radiator Heavier duty

MODEL AVAILABILITY

Standard Camaro (1FQ87)

Camaro Type LT (1FS87)

POWER TRAIN AVAILABILITY

Engine	Transmission	Rear Axle
V-8 350 Cu.In. 4-BBL. (Specific to this option only)	4-Speed (2.52:1 low)** 4-Speed (2.20:1 low)** Turbo Hydra-matic	3.73:1

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

BODY

- Black painted radiator grille with argent peripheral bead.
- Dual body-color sport mirrors—LH remote, RH manual (standard on 1FS87)
- Z28 emblems on front fender (all models) and decal on rear end panel* (1FQ87 Model only)
- Delete 'Camaro' nameplate from front fender (1FQ87 Model only)

CHASSIS

- Special performance suspension with specific valving for rear shock absorbers
- Vacuum powered brakes
- 15x7 Trans Am wheels with trim rings
- F60x15 White lettered, bias belted tires

POWER TEAM

Specific Engine Items

- Impact extruded aluminum pistons
- Large port cylinder heads with larger inlet and exhaust valves
- Special high performance camshaft
- Forged steel crankshaft
- Cylinder block with four bolt caps for intermediate main bearings.
- High-speed valve train with hydraulic lifters, steel inserts for push rod upper ends and push rod guide plates.
- Molybdenum inlay upper compression ring, and chrome plated oil ring, lubrited 2nd ring
- New dual snorkel type, air cleaner with chrome cover.
- Eighteen inch diameter 7 blade flex fan
- Heat treated shot peened connecting rods
- High speed crankshaft torsional damper
- Oil windage tray
- Finned aluminum rocker covers
- Oil pan assembly with special baffles
- High capacity starting motor
- Dual exhaust system
- High capacity clutch with 11 inch driven plate
- Special transmission features
- Positraction axle
- Quadra-jet 4-barrel carburetor

- * Fender emblem deleted with D88 striping is specified.
- ** 4-speed and 4-speed close ratio transmissions have aluminum gear box housings for reduced weight. Automatic transmission is a special Turbo Hydra-matic "400" unit with tuned upshift and downshift points to enhance the overall engine/vehicle performance.

RPO Z21 AND Z54

MODEL AVAILABILITY
CAMARO (1FQ87 & 1FS87)

Z21 STYLE TRIM OPTION

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

EXTERIOR

- Bright trim ring and bright vertical bar on parking lamps
- Bright deluxe belt moulding
- Bright roof drip molding
- Bright vertical lock pillar molding
- Colored insert on door handles
- Bright hood and upper edge molding

MODEL AVAILABILITY
CAMARO (1FQ87) (Included in new Camaro Type LT model)

Z54 INTERIOR DECOR/QUIET SOUND GROUP

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

INTERIOR

- Additional cluster lighting (tell-tale and clock openings illuminated) except Type LT
- Wood grain applique on instrument cluster carrier
- Full molded hood insulator
- Glove compartment lamp
- Additional body insulation (cowl-to-fender seals, full mastic deadener on floor, roof inner panel insulator)
- Bright horizontal bead separating upper and lower instrument panel

1974 CORVETTE EXTERIOR COLORS

Car Paint Code	Corvette Paint Code	Color Name	Fisher WA Number	DDL Ditzler Code	Rinshed Mason	Dupont
10	910	Classic White	3465	8631	A-1802	5040L
14	914	Corvette Silver Metallic	4469	2519	A-2619	5563L
17	917	Corvette Gray Metallic	4547	2630	A-2698F	42817LH
22	922	Corvette Medium Blue Metallic	4069	2213	A-2621	5564L
48	948	Dark Green Metallic	4548	2644	A-2706F	42816L
56	956	Corvette Bright Yellow	3893	2094	A-2119	5026LH
68	968	Dark Brown Metallic	4328	2543	A-2647D	5483L
74	974	Medium Red Metallic	4533	2658	A-2718F	5477L
76	976	Mille Miglia Red	4147	2349	A-2460R	5291LM
80	980	Corvette Orange Metallic	4464	2548	A-2652F	5568LM

SERIES 3 LUV EXTERIOR COLORS

Paint Code	Color Name	Ditzler	Rinshed Mason	Dupont
052-P1	Strato White	0883	174B91	43250-L
4030-P1	Horizon Blue	14719	174B23	43255-L
2028-P1	Westway Tan	24003	174B88	43253-L
348-P1	Palm Green	44935	174B39	43252-L
177-P1	Crimson Red	72096	174B52R	43251-L
2029-P1	Jasmine Yellow	82162	174B701	43254-L

1974 PASSENGER CAR INTERIOR COLORS

Color Name	GLOSS		Fisher W Code	DIA Ditzler Code	Uticolor Vinyl Interior Code	Uticolor Vinyl Instrument Panel ^A	Rinshed Mason	Dupont [?]
	Flat "0"	Semi "25"						
White		X	4250	8892	2-175		172B90	9909L
Black*		X	848	9387	120		170B40	99L
Black	X		848	9317		120	168C41	848
Medium Blue		X	4289	14493	2-176		173B20	9983L
Dark Blue		X	4290	14494	2-177		173B21	9984L
Midnight Blue*		X	4291	14495	2-178		173B22	9985L
Dark Blue	X		4290	14510		2-177	173B23	10006L
Midnight Blue	X		4291	14507		2-171	173B24	10007L
Light Neutral*		X	4298	23779	2-182		173B74	9992L
Dark Taupe		X	4304	23780	2-219		173B12	9998L
Midnight Neutral		X	4300	23785	2-183		173B75	9994L
Midnight Neutral	X		4300	23787		2-183	173B79	10012L
Medium Saddle**		X	4432	23797	2-226		173B86	10003L
Dark Saddle		X	4131	23942	2-217		173B80	10004L
Dark Taupe	X		4304	23798		2-201	173B14	10015L
Medium Taupe		X	4509	23943	2-157		174B11	42905L
Dark Saddle	X		4131	23988		152	174B86	42913L
Silver**		X	4535	33121			174B10	42912L
Medium Green		X	4505	44862	2-213		174B30	42901L
Dark Green		X	4506	44863	2-215		174B31	42902L
Dark Green	X		4506	44898		2-244	174B33	42914L
Dark Oxblood	X		4305	72007		2-202	173B53R	10016L
Dark Oxblood*		X	4305	72008	2-202		173B50R	10000L
Medium Red		X	4511	72054	2-243		174B50R	42907L
Dark Red		X	4512	72055	2-195		174B60	42908L
Dark Red	X		4512	72073		2-202	174B63	42917L
Russet	X		4543	60739			174B81	42984L

^AThese must be over sprayed with UCV-69 flattener.
 *Also Corvette.
 **Corvette Only.

CHASSIS

FRAME AND FRONT SUSPENSION	2 & 3
STEERING, DRIVELINE, WHEELS AND TIRES	4
REAR AXLE AND SUSPENSION	5
BRAKES	6
BULBS AND LAMPS	7
FUSES AND CIRCUIT BREAKERS	8

FRAME AND FRONT SUSPENSION

FRAME

Description Combination body-frame integral with separate portion ladder frame.

FRONT SUSPENSION

Description Independent, SLA type with coil springs, center mounted shock absorbers and spherical steering knuckle pivots.

Wheel travel (design)
Total 6.90
Jounce 3.05
Rebound 3.85
Wheel to spring travel ratio 1.84:1

CONTROL ARMS

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

STEERING KNUCKLES

Description Nodular iron with integral steering knuckle arm and detachable steering knuckle arm.

Spindle diameters
Inner bearing 1.2493-1.2498
Outer bearing7493-.7498
Spindle thread size 3/4-20 UNEF-3A (modified)
Wheel bearings
Type Taper roller; inner and outer

SPHERICAL JOINTS

Type Ball stud
Upper Compression
Lower Tension
Bearing surfaces
Upper Teflon-cotton composite on phenolic
Lower Sintered iron

SHOCK ABSORBERS

Type Direct, double acting, hydraulic
Piston diameter 1.00

FRONT STABILIZER BAR

Type Link
Material HR steel
Diameter938

FRONT WHEEL ALIGNMENT (CURB)

Camber (degrees)
Base models P1/4 to P1-3/4
RPO Z28 N1-1/2 to 0
Caster (degrees)
Base models N1 to P1
RPO Z28 N1-1/2 to 0
Toe In (total) 1/16 to 5/16
Steering axis inclination 10.35 @ 1° camber

GENERAL SUSPENSION PROVISIONS

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

FRAME AND FRONT SUSPENSION

FRONT SPRINGS

Selected from a family of coil springs by Electronic Data Processing which identifies the correct springs for the weight of the vehicle including optional equipment ordered by the customer.

FRONT SPRING SPECIFICATIONS

Part Number	Assy. Code	Cut-Off Length	Wire Dia.	Total Coils	Deflection Rate (lbs./inch)	Heights	
						Free	Working (IN. @ Lbs.)
3996362	AF	116.14	.617	7.70	300	16.86	11.0 @ 1740
3996363	AM	126.79	.633	8.40	300	17.06	11.0 @ 1800
3996364	AR	126.82	.633	8.40	300	17.26	11.0 @ 1860
3996365	AU	126.85	.633	8.40	300	17.46	11.0 @ 1920
3996366	AV	132.90	.638	8.80	300	17.66	11.0 @ 1980
3996367	AW	132.93	.638	8.80	300	17.86	11.0 @ 2040
3998628	CR	139.20	.651	9.20	300	18.06	11.0 @ 2100
3998629	CS	139.23	.651	9.20	300	18.26	11.0 @ 2160
6272883	CU	139.26	.651	9.20	300	18.46	11.0 @ 2220

STEERING, DRIVELINE, WHEELS AND TIRES

STEERING

Wheel	
Type	Oval, 4-spoke splayed
Diameter	14.25 x 14.75
Optional	Tilt; universally jointed steering shaft at base of steering wheel
Column	Energy absorbing – mast jacket, shift tube and steering shaft designed to collapse under various front impact conditions.
Gear Type	
Manual (Standard)	Recirculating ball nut
Power (Optional)	Integral recirculating ball nut with hydraulic pressure provided from a vane type pump.
Ratios, Gear	
Manual	28.0:1 (base); 24.0:1 (Z28)
Power	16.0:1 on center to 13.0:1
Ratios, Overall	
Manual	33.0:1 (base); 28.3:1 (Z28)
Power	15.0:1 on center to 11.3:1
Number of wheel turns, lock to lock	
Manual	6.27
Power	2.41
Linkage	Parallelogram, front of wheels, (2) tie rods
Turning Diameters (ft.) outside front	
Wall to wall	40.2 (manual); 40.7 (power)
Curb to curb	38.0 (manual); 38.5 (power)
Outside wheel angle with inside wheel @ 20°	18.7

DRIVELINE

Type	Straight tube
Number used	One
Diameter (OD)	2.75
Wall thickness	0.065
Length (C/L of U-joints)	
3-speed manual transmission	48.55
4-speed and automatic transmission	48.0
Universal Joints	
Type	Cross
Number used	Two
Bearings	Prepacked, anti-friction

WHEELS

Type	Short spoke spider, steel
Attachment to Hub	
Type	5 hex nuts
Thread size	7/16-20 UNF 2-B
Bolt circle diameter	4.75
Size	
Standard model	14 x 6
Type LT	14 x 6 Rally
Z28	15 x 7 Trans Am
Offset	
14 x 6	0.50
14 x 7	0.34
15 x 7	0.30

TIRES, STANDARD EQUIPMENT

Size – All models except Z28	
E78 x 14B – Bias belted	
Static loaded radius	12.1
Loaded rev/mi @ 45 mph	796
Capacity @ 24 psi	1190
Size – Z28	
F60 x 15B – Bias belted	
Static loaded radius	12.0
Loaded rev/mi @ 45 mph	801
Capacity @ 24 psi	1280

TIRES, OPTIONAL EQUIPMENT

Size – All models except Z28	
F70 x 14B – Bias belted	
Static loaded radius	12.2
Loaded rev/mi @ 45 mph	787
Capacity @ 24 psi	1280
FR78 x 14B – Steel belted radial	
Static loaded radius	11.6
Loaded rev/mi @ 45 mph	797
Capacity @ 24 psi	1280

REAR AXLE AND SUSPENSION

REAR AXLE

Description Three piece housing includes integral cast iron differential carrier and housing with two pressed-in and welded steel tubes. Semi-floating axle shafts. Differential carrier contains hypoid overhung pinion and ring gear. Drive pinion supported by two taper roller bearings.

Drive pinion vertical offset 1.75

Drive pinion bearing adjustment Shim

Hypoid gear PD (See Power Train Section page 2 for application)

All axles 8.50

Lubricant

Type Military Spec. MIL-L-2105-B

Viscosity SAE 80

Capacity (pts) 4.25

AXLE SHAFT

Description Forged and hardened steel with integral drive flange

Wheel bearings Single row cylindrical roller

Oil seal Steel encased, spring loaded synthetic rubber

RING AND PINION GEARS

Axle Ratio	Tooth Combination
2.73:1	41,15
3.08:1	40,13
3.42:1	41,12
3.73:1	41,11

POSITRACTION DIFFERENTIAL

(See Power Train Section)

Type 2 pinion with single disc clutch

REAR SUSPENSION

Description Salisbury rear axle with multiple leaf springs.

Wheel travel (design)

Total Left 7.66; Right 7.81

Jounce 2.44

Rebound Left 5.11; Right 5.37

Wheel to spring, travel ratio 1:1

SHOCK ABSORBERS

Type Direct, double acting, hydraulic

Piston diameter 1.00

Mounting Staggered fore and aft of rear axle.

REAR SPRINGS

Type Multi-leaf; selected from a family of springs by Electronic Data Processing which identifies the correct spring for the weight of the vehicle including optional equipment ordered by the customer. See specifications below.

REAR SPRING SPECIFICATIONS

Part Number	Number of Leaves	Length	Width	Assy. Code	Deflection Load @	
					Rate (lbs./in.)	.71 Spring Camber (lbs.)
477572	5	56.0	2.5	DP	94	765
480879				PB	89	645
480880				PC	92	695
480881				PE	94	765
480882				PD	94	730
493689				SZ	99	800

BRAKES

General	Type	Front – Disc; Rear – Drum	
	System	Manual – Standard	Power – Optional (*)
Front Brakes	Type	Disc – single piston floating caliper	
	Material	Cast iron – vented	
	Diameter and Width	11.0 x 1.03	
	Lining material	Compression molded asbestos composition	
	Method of attachment	Riveted	
	Lining size (length x width x thickness)	Inboard	5.40 x 1.92 x 0.46
		Outboard	5.40 x 1.92 x 0.46
	Lining area (sq. in.)	41.47	
	Effective area (sq. in.)	35.36	
	Swept area (sq. in.)	217.9	
Piston diameter	2.94		
Rear Brakes	Type	Drum – Composite, web cast into rim	
	Material	Web – HR steel, Rim – cast alloy iron	
	Diameter and Width	9.5 x 2.0	
	Lining material	Molded asbestos composition	
	Method of attachment	Bonded	
	Lining size (length x width x thickness)	Primary	9.0 x 2.00 x 0.20
		Secondary	9.75 x 2.00 x 0.20
	Lining area (sq. in.)	75.04	
	Effective area (sq. in.)	66.58	
Swept area (sq. in.)	119.4		
Piston diameter	.875		
Apply System	Master cylinder diameter	1.00	1.00
	Piston travel	1.416	1.342
	Pedal travel	7.50	5.26
	Pedal ratio	5.36:1	3.52:1
	Line pressure @ 100 lb. pedal load	550	900
Parking Brake	Type	Mechanical: pull rods and cables operate rear service brakes; parking brake 'ON' warning lamp provided.	
	Control	Pendulum foot pedal; released by "T" handle located on instrument panel to left of steering wheel	
	Total effective area	66.58	

● (*) – Standard with V8 Engine Equipped Vehicles.

BULBS AND LAMPS

BULBS AND LAMPS	NUMBER REQUIRED AND TRADE NUMBER	CANDLE POWER PER LAMP
Back-up	2-1156	32
Brake warning	1-194	2
Courtesy		
Instrument panel	2-631	6
Direction signal indicators	2-194	2
Dome - Center	1-211	12
Generator indicator	1-194	2
Glove compartment	1-1895	2
Headlamp	2-6014	High beam 60W Low beam 50W
Headlamp hi-beam indicator	1-194	2
Heater or air conditioning control	1-1445	7
Instrument cluster		
Dash panel	6-194	2
License plate	2-168	3
Luggage compartment	1-1003	15
Oil pressure indicator	1-194	2
Park & Turn	2-1157 NA	3
Radio	1-1816	3
Seat belt warning	1-194	2
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Tail		
Tail		3
Stop and turn	2-1157	32
Temperature indicator	1-194	2
Underhood lamp	1-93	15

FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
	25 amp fuse	Fuse panel (h)
Back-up lamps	20 amp fuse	Fuse panel (d)
Brake warning lamp	10 amp fuse	Fuse panel (c)
Cigarette lighter	20 amp fuse	Fuse panel (e)
Clock	20 amp fuse	Fuse panel (e)
Courtesy lamps	20 amp fuse	Fuse panel (e)
Defogging unit	20 amp fuse	Fuse panel (b)
Direction signal indicator lamps	20 amp fuse	Fuse panel (b)
Dome lamp	20 amp fuse	Fuse panel (e)
Door Lock indicator	10 amp fuse	Fuse panel (g)
Fuel gage	10 amp fuse	Fuse panel (c)
Generator indicator lamp	10 amp fuse	Fuse panel (c)
Glove compartment lamp	20 amp fuse	Fuse panel (e)
Headlamps	Circuit breaker	Light switch
Headlamp hi-beam indicator lamp	Circuit breaker	Light switch
Heater	25 amp fuse	Fuse panel (h)
Heater control lamp	4 amp fuse	Fuse panel (f)
Instrument cluster lamps	4 amp fuse	Fuse panel (f)
License lamp	20 amp fuse	Fuse panel (e)
Luggage compartment lamp	20 amp fuse	Fuse panel (e)
Oil pressure indicator lamp	10 amp fuse	Fuse panel (c)
Parking lamps	20 amp fuse	Fuse panel (d)
Radio and radio lamp	10 amp fuse	Fuse panel (g)
Radio dial indicator	4 amp fuse	Fuse panel (f)
Seat belt warning lamp	20 amp fuse	Fuse panel (e)
Seat belt warning buzzer	20 amp fuse	Fuse panel (e)
Side Marker lamp - Front	20 amp fuse	Fuse panel (d)
Side Marker lamp - Rear	20 amp fuse	Fuse panel (d)
Tail lamps	20 amp fuse	Fuse panel (d)
Temperature gage	10 amp fuse	Fuse panel (b)
TCS - Delay relay	10 amp fuse	Fuse panel (g)
TCS - Idle stop solenoid	10 amp fuse	Fuse panel (g)
Transmission Downshift	10 amp fuse	Fuse panel (g)
Traffic hazard indicator	20 amp fuse	Fuse panel (a)
Stop and turn lamps	20 amp fuse	Fuse panel (a)
Underhood lamp	15 amp fuse	In line
Vacuum advance	10 amp fuse	Fuse panel (g)
Windshield wiper, two-speed	25 amp fuse	Fuse panel

* Letter suffix indicates same circuit

POWER TRAINS

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POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS *		RING GEAR
			STAND.	TRAILER	
Turbo Thrift 250 250 Cu.In. L-6 Standard - All States	3-Speed (2.85:1 low)	1FQ87 only	3.08:1		8.50
	Turbo Hydra-matic				
Turbo Fire 350 350 Cu. In. V-8 RPO L65 - Not avail. in California	3-Speed (2.54:1 low)	All Models (Standard 1FS87)	3.08:1		8.50
	4-Speed (2.54:1 low)				
	Turbo Hydra-matic		2.73:1	3.42:1	
Turbo Fire 350 350 Cu.In. V-8 RPO LM1 California only	3-Speed (2.54:1 low)	All Models	3.08:1		8.50
	4-Speed (2.54:1 low)				
	Turbo Hydramatic		2.73:1	3.42:1	
Turbo Fire 350 350 Cu. In. V-8 RPO L48 - All States	3-Speed (2.54:1 low)	All Models	3.42:1		8.50
	4-Speed (2.54:1 low)				
	Turbo Hydra-matic		3.08:1	3.42:1	
Turbo-Fire 350 350 Cu. In. V-8 RPO Z28 - All States	4-Speed (2.64:1 low)	All Models	3.73:1		8.50
	4-Speed (2.43:1 low)				
	Turbo Hydra-matic			3.42:1	

*Positraction axles available optionally.

MULTIPLICATION FACTORS

WITH MANUAL TRANSMISSIONS

ENGINE	CARBURETION	TRANSMISSION	TOTAL GEAR REDUCTION*					AXLE RATIO
			1st	2nd	3rd	4th	Rev	
250 Cu.In. L-6 Standard	Single Barrel	3-Speed	8.78	5.17	3.08		9.09	3.08
350 Cu.In. V-8 RPO L65 & LM1	2-Barrel (L65) 4-Barrel (LM1)	3-Speed	7.82	3.81	3.08		6.68	3.08
		4-Speed	7.82	5.54	4.43	3.08	7.82	3.08
350 Cu.In. V-8 RPO L48	4-Barrel	3-Speed	8.69	5.13	3.42		8.99	3.42
		4-Speed	8.69	6.16	4.92	3.42	8.69	3.42
350 Cu.In. V-8 RPO Z28	4-Barrel	4-Speed	● 9.84	6.53	4.96	3.73	9.51	3.73
			● 9.06	6.01	4.59	3.73	8.76	3.73

WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION*	AXLE RATIO
250 Cu.In. L-6 Standard	Turbo Hydra-matic	Drive	15.52:1 - 3.08:1	3.08:1
		Low	15.52:1 - 3.08:1	
		Second	15.52:1 - 3.08:1	
		Reverse	11.89:1 - 5.94:1	
350 Cu.In. V-8 RPO L65 & LM1	Turbo Hydra-matic	Drive	13.76:1 - 2.73:1	2.73:1
		Low	13.76:1 - 6.88:1	
		Second	13.76:1 - 4.15:1	
		Reverse	10.54:1 - 5.27:1	
350 Cu.In. V-8 RPO L48	Turbo Hydra-matic	Drive	15.52:1 - 3.08:1	3.08:1
		Low	15.52:1 - 7.76:1	
		Second	15.52:1 - 4.68:1	
		Reverse	11.89:1 - 5.94:1	
350 Cu.In. V-8 RPO Z28	Turbo Hydra-matic	Drive	19.43:1 - 3.73:1	3.73:1
		Low	19.43:1 - 9.25:1	
		Second	19.43:1 - 5.52:1	
		Reverse	16.30:1 - 7.76:1	

* Axle ratio x transmission ratio

ENGINE DATA AND RATINGS

GENERAL DATA

Engine	L-6 OHV	V-8 OHV			
Piston Displacement (Cu.In.)	250	350			
Availability	Standard	L65	LM1	L48	Z28
Number of Cylinders	Six	Eight			
Bore (nominal)	3.875	4.00			
Stroke (nominal)	3.53	3.48			
Compression Ratio		8.5:1			9.00:1
Taxable (SAE Horsepower)	36.0	51.2			
Firing Order	1-5-3-6-2-4	1-8-4-3-6-5-7-2			
Idling Speed	Manual transmission (in neutral)	800	900		
	Turbo Hydra-matic (in drive)		600		700
Comp. Press. (PSI) @ Cranking Speed, Engine Hot	130	160			
Power Plant	Front	Two, preloaded captive cushion type			
Mountings	Rear	One; full shear type			
Measurements	Fan to rear of engine block	34.49	31.55		31.16
	Top of a/cinr to bottom of oil pan	27.76	29.60	28.52	28.02
	Width - including air cleaner	30.68	28.53		

ADVERTISED ENGINE RATING

Engine Designation	Turbo-Thrift 250 L-6	Turbo-Fire 350 V-8	Turbo-Fire 350 V-8	Turbo-Fire 350 V-8	Turbo-Fire 350 V-8
Availability	Standard	RPO L65	RPO LM1	RPO L48	RPO Z28
Carburetor	Single Bbl.	Two Bbl.	Four Bbl.	Four Bbl.	Four Bbl.
Net Brake HP @ RPM	110 @ 3600	145 @ 3800	160 @ 3800	185 @ 4000	245 @ 5200
● Net Torque @ RPM (lb-ft)	175 @ 1600	250 @ 2200	250 @ 2400	270 @ 2600	280 @ 4000

ENGINE SPEED AND PISTON TRAVEL

TURBO-THRIFT 250 L-6 ENGINE

Transmission		3-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.08:1	3.08:1
Tire Size		E78 x 14B	
Crankshaft Revolutions per Mile		2451.7	2451.7
Crankshaft RPM @ 1 MPH	Low	116.4	103.0
	Second	68.6	62.1
	Third	40.9	40.9 (direct)
	Reverse	120.5	69.9
Piston Travel (ft/mile)		1442.4	1442.4

TURBO FIRE 350 V-8 ENGINE (RPO L65 & LM1)

Transmission		3-Speed	4-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.08:1		2.73:1
Tire Size		E78 x 14B (1FQ87)		
Crankshaft Revolutions per Mile		2451.7		2173.1
Crankshaft RPM @ 1 MPH	Low	103.8	103.8	91.3
	Second	61.3	73.6	55.1
	Third	40.9	58.8	36.2 (direct)
	Fourth		40.9	
	Reverse	107.5	103.8	69.9
Piston Travel (ft/mile)		1422.0		1260.4

TURBO-FIRE 350 V-8 ENGINE (RPO L48)

Transmission		3-Speed	4-Speed	Turbo Hydra-matic
Rear Axle Ratio		3.42:1		3.08:1
Tire Size		E78 x 14B (1FQ87)		
Crankshaft Revolutions per Mile		2722.3		2451.7
Crankshaft RPM @ 1 MPH	Low	115.2	115.2	103.0
	Second	68.1	81.7	62.1
	Third	45.4	65.3	40.9 (direct)
	Fourth		45.4	
	Reverse	119.3	115.2	78.9
Piston Travel (ft/mile)		1578.9		1422.0

TURBO-FIRE 350 V-8 ENGINE (RPO Z28)

Transmission		4-Speed		Turbo Hydra-matic
Rear Axle Ratio		3.73:1		
Tire Size		F60 x 15		
Crankshaft Revolutions per Mile		2987.7		
Crankshaft RPM @ 1 MPH	Low	131.5	121.0	125.5
	Second	87.1	80.2	75.7
	Third	66.2	61.2	49.8 (direct)
	Fourth	49.8	49.8	
	Reverse	127.0	117.0	96.1
Piston Travel (ft/mile)		1733.0		

VEHICLE PERFORMANCE FACTORS

ENGINE	250 CU.IN. 100 HP	350 CU.IN. 145 HP	350 CU.IN. 160 HP	350 CU.IN. 175 HP	350 CU.IN. 245 HP
MODEL	1FQ87	1FQ87	1FS87	1FS87	1FS87

3-SPEED TRANSMISSION

Performance Weight (pounds)	4013	4154	4274	4297	
Pounds per Net Horsepower	40.13	28.65	26.71	24.55	
Pounds per Cu.in. Displacement	16.05	11.87	12.21	12.28	
Net HP per Cu.in. Displacement	.400	.414	.457	.500	
Power Displacement (cu.ft./mile)	177.35	217.79	217.79	275.70	
Displacement Factor (cu.ft./ton mile)	88.23	104.71	101.77	128.23	

4-SPEED TRANSMISSION

Performance Weight (pounds)		4160	4280	4303	4320
Pounds per Net Horsepower		28.69	26.75	24.59	17.63
Pounds per Cu.in. Displacement		11.89	12.23	12.29	12.34
Net HP per Cu.in. Displacement		.414	.457	.500	.700
Power Displacement (cu.ft./mile)		217.79	217.79	275.70	302.57
Displacement Factor (cu.ft./ton mile)		104.71	101.77	128.23	140.08

TURBO HYDRA-MATIC

Performance Weight (pounds)	4036	4177	4297	4320	4371
Pounds per Net Horsepower	40.36	28.81	26.85	24.68	17.84
Pounds per Cu.in. Displacement	16.14	11.93	12.28	12.34	12.49
Net HP per Cu.in. Displacement	.400	.414	.457	.500	.700
Power Displacement (cu.ft./mile)	177.35	193.04	193.04	217.79	302.57
Displacement Factor (cu.ft./ton mile)	87.80	104.71	89.79	100.83	128.16

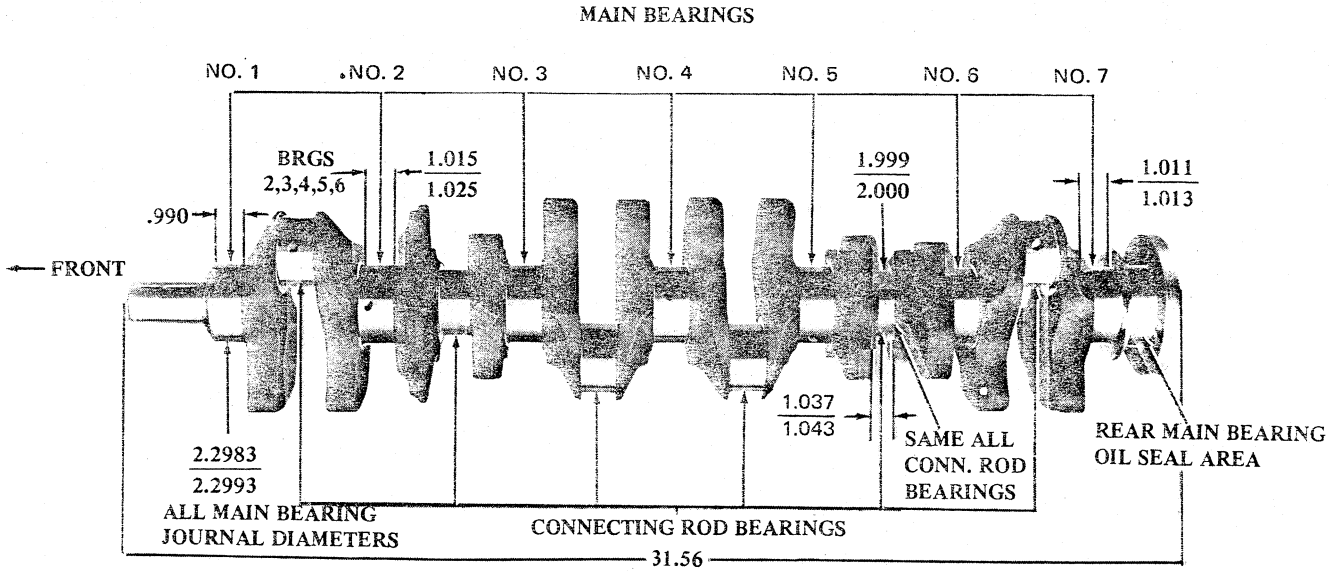
GLOSSARY

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

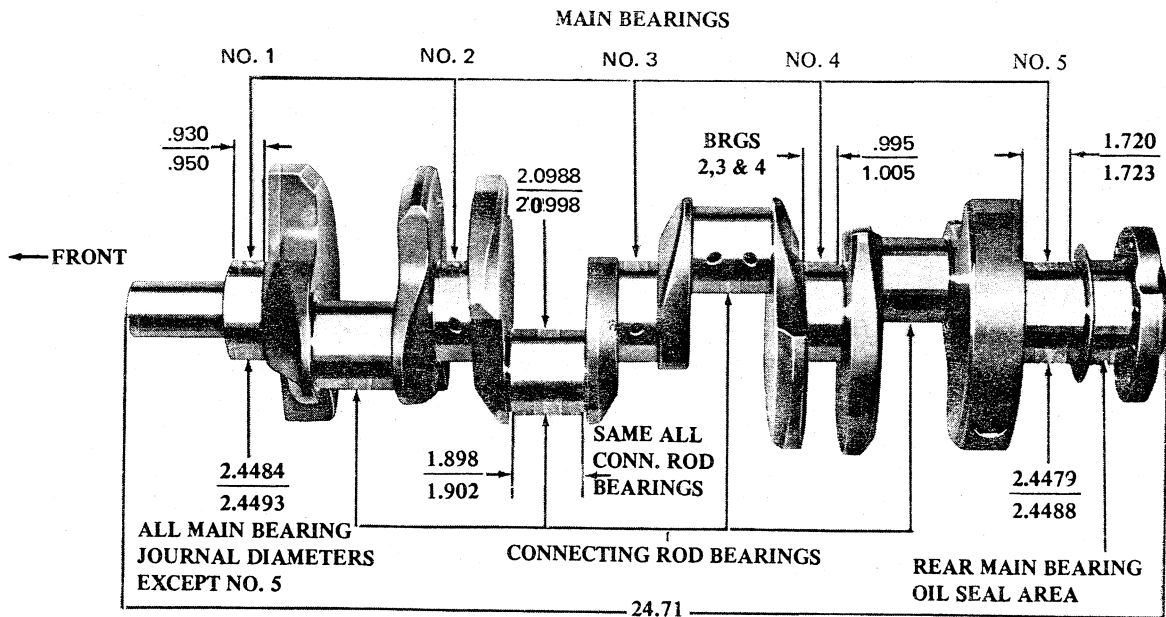
PRINCIPAL COMPONENTS

CRANKSHAFTS AND BEARINGS

250 CUBIC INCH SIX CYLINDER ENGINE



350 CUBIC INCH V-8 ENGINES



PRINCIPAL COMPONENTS

CAMSHAFT

- Material Cast alloy iron
- Drive
 - L6 Gear; bakelite and fabric composition
 - V8 Sprocket & chain; steel
- Lobe Lift
 - Manual Trans.-all states & auto. trans. in California
 - L6-250 Cu.In.2217 Inlet; .2315 Exhaust
 - Auto. Trans. - all states except California
 - L6-250 Cu.In.2217 Inlet & Exhaust
 - All states except California
 - V8-350 Cu.In.
 - (L65 & L48)2600 Inlet; .2733 Exhaust
 - California only
 - V8-350 Cu.In.
 - (LM1 & L48)2670 Inlet; .2733 Exhaust
 - All States
 - V8-350 Cu.In. (Z28) . . .3600 Inlet; .3068 Exhaust
 - Camshaft Bearings Steel backed babbit

VALVE TRAIN

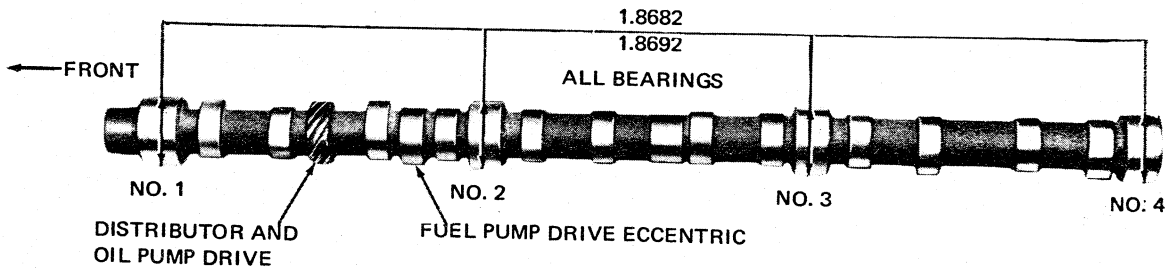
- Type Individually mounted, overhead valves and rocker arms, push rod actuated.
- Lifters Hydraulic
- Rocker Arms Stamped steel
- Ratio
 - L6-250 Cu.In. 1.75:1
 - V8-350 Cu.In. 1.50:1
- Push Rods Hollow steel with hardened ends; steel insert on upper end with Z28.
- Rotators (V8-350 Cu.In.) Exhaust

VALVE SPRINGS

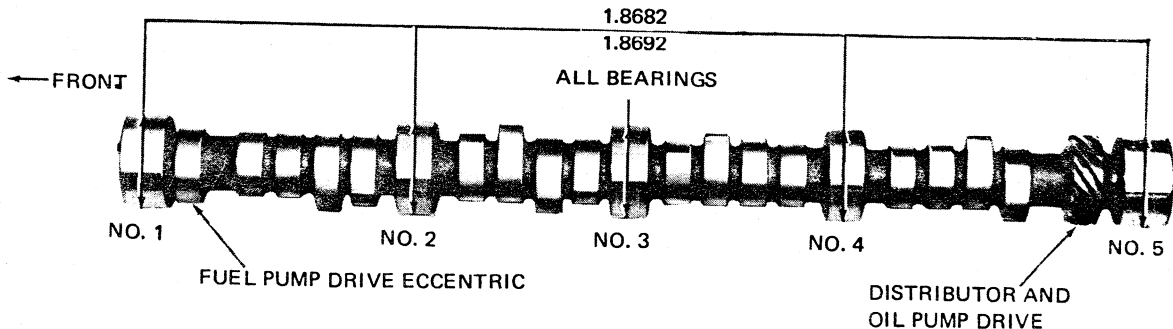
- Diameter
 - L6-250 Cu.In.872-.888
 - V8-350 Cu.In.868-.884
- Installed Length (lb. @ in.)
 - Valves Closed
 - L6-250 Cu.In. 56-64 @ 1.66
 - V8-350 Cu.In. (L65, LM1 & L48)
 - Inlet 76-84 @ 1.70
 - Exhaust 76-84 @ 1.61
 - V8-350 Cu.In. (Z28) 76-84 @ 1.70
 - Valves opened
 - L6-250 Cu.In. 180-192 @ 1.27
 - V8-350 Cu.In. (L65, LM1 & L48)
 - Inlet 194-206 @ 1.25
 - Exhaust 194-206 @ 1.16
 - V8-350 Cu.In. (Z28) 194-206 @ 1.25
 - Free Length
 - L6-250 Cu.In. 1.90
 - V8-350 Cu.In. 2.03
 - Valve Spring Damper
 - L6-250 Cu.In. None
 - V8-350 Cu.In. Flat steel, 4 coils
 - Oil Shield Steel cup

CAMSHAFT AND BEARINGS

250 CUBIC INCH L-6 ENGINE



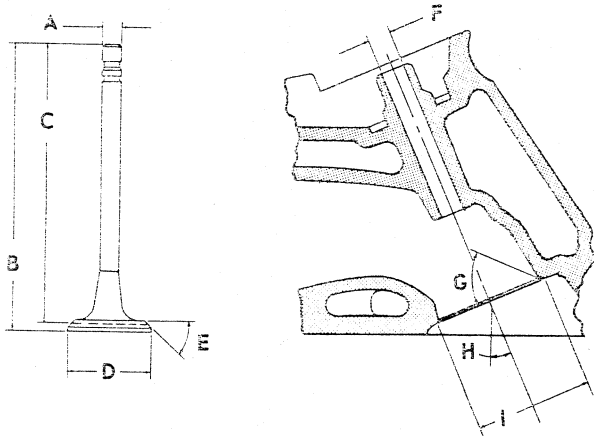
350 CUBIC INCH V-8 ENGINE



PRINCIPAL COMPONENTS

INLET VALVES

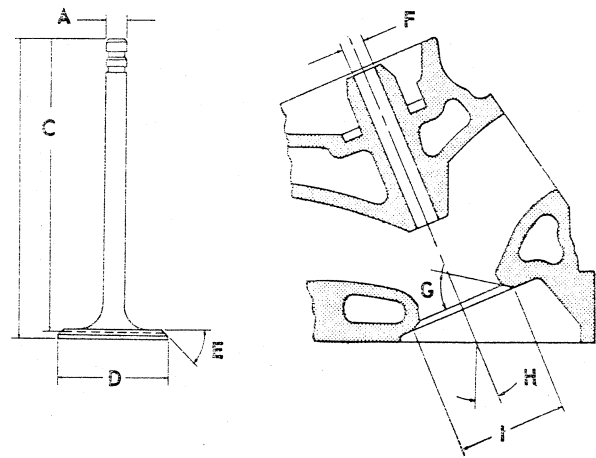
Material	Alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-350 Cu.In.	None
All Stems	Chrome flash



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-350 Cu.In.	.3410-.3417
B - Overall Length	
L6-250 Cu.In.	4.902-4.922
V8-350 Cu.In.	4.870-4.889
C - Gage Length	
L6-250 Cu.In.	4.785-4.795
V8-350 Cu.In.	4.785-4.795
D - Overall Head Diameter	
L6-250 Cu.In.	1.715-1.725
V8-350 Cu.In. (L65, LM1 & L48)	1.935-1.945
V8-350 Cu.In. (Z28)	2.017-2.023
E - Angle of Face	45°
F - Guide Diameter	.3427-.3437
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	90°
V8-350 Cu.In.	23°
I - Valve Seat Diameter	
L6-250 Cu.In.	1.591-1.597
V8-350 Cu.In. (L65, LM1, & L48)	1.823-1.829
V8-350 Cu.In. (Z28)	1.949-1.979

EXHAUST VALVES

Material	High alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-350 Cu.In.	Aluminized face
All Stems	Chrome flash



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-350 Cu.In.	.3410-.3417
B - Overall Length	
L6-250 Cu.In.	4.913-4.933
V8-350 Cu.In. (L65, LM1, & L48)	4.913-4.933
V8-350 Cu.In. (Z28)	4.891-4.910
C - Gage Length	
L6-250 Cu.In.	4.781-4.791
V8-350 Cu.In.	4.781-4.791
D - Overall Head Diameter	
L6-250 Cu.In.	1.495-1.505
V8-350 Cu.In. (L65, LM1, & L48)	1.495-1.505
V8-350 Cu.In. (Z28)	1.595-1.605
E - Angle of Face	45°
F - Guide Diameter	.3427-.3437
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	90°
V8-350 Cu.In.	23°
I - Valve Seat Diameter	
L6-250 Cu.In.	1.321-1.327
V8-350 Cu.In. (L65, LM1, & L48)	1.321-1.327
V8-350 Cu.In. (Z28)	1.512-1.551

VALVE LIFT

Manual Trans. - all states & auto. trans. in California	
L6-250 Cu.In. . . . .	.3880 Inlet; .4051 Exhaust
Auto. Trans. - all states except California	
L6-250 Cu.In. . . . .	.3880 Inlet & Exhaust
All states except California	
V8-350 (L65 & L48) . . .	.3900 Inlet; .4100 Exhaust
California only	
V8-350 (LM1 & L48) . . .	.4006 Inlet; .4100 Exhaust
All States	
V8-350 Cu.In. (Z28) . . .	.4500 Inlet; .4600 Exhaust

VALVE TIMING (Crankshaft degrees - Excluding Ramps)

L6-250 Cu.In.-Man. trans.-all states & auto. trans. in Calif.	
Inlet Valve	
Opens - BTC	16°
Closes - ABC	48°
Duration	244°
Exhaust Valve	
Opens - BBC	64°
Closes - ATC	50°
Duration	294°
L6-250 Cu.In.-Auto. trans.-all states except Calif.	
Inlet Valve	
Opens - BTC	16°
Closes - ABC	48°
Duration	244°
Exhaust Valve	
Opens - BBC	48°30'
Closes - ATC	17°30'
Duration	244°
V8-350 Cu.In. (L65 & L48)-all states except Calif.	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	72°
Duration	280°
Exhaust Valve	
Opens - BBC	78°
Closes - ATC	30°
Duration	288°
V8-350 Cu.In. (LM1 & L48)-California Only	
Inlet Valve	
Opens - BTC	44°
Closes - ABC	96°
Duration	280°
Exhaust Valve	
Opens - BBC	88°
Closes - ATC	66°
Duration	334°

V8-350 Cu.In. (Z28)-All states

Inlet Valve	
Opens - BTC	55°
Closes - ABC	111°
Duration	346°
Exhaust Valve	
Opens - BBC	105°
Closes - ATC	63°
Duration	348°

PISTONS

Material

All engine except V8-350 (Z28) . . .	Cast alum. alloy
V8-350 Cu.In. (Z28)	Alum. impact extruded

Head Type

L6-250 Cu.In.	Sump
V8-350 Cu.In. (L65, LM1 & L48)	Sump
V8-350 Cu.In. (Z28)	Flat, notched

Skirt Type Slipper

Top Land Clearance

L6-250 Cu.In. . . . .	.0245-.0335
V8-350 Cu.In. (L65, LM1 & L48) . . . . .	.0235-.0325
V8-350 Cu.In. (Z28) . . . . .	.0305-.0395

Skirt Clearance

L6-250 Cu.In. . . . .	.0005-.0015
V8-350 Cu.In. (L6, LM1 & L48) . . . . .	.0007-.0017
V8-350 Cu.In. (Z28) . . . . .	.0046-.0056

Compression Ring Groove Depth

L6-250 Cu.In. . . . .	.2153-.2218
V8-350 Cu.In. (L65, LM1 & L48) . . . . .	.2218-.2308
V8-350 Cu.In. (Z28) . . . . .	.2218-.2284

Oil Ring Groove Depth

L6-250 Cu.In. . . . .	.2093-.2158
V8-350 Cu.In. (L65, LM1 & L48) . . . . .	.2038-.2128
V8-350 Cu.In. (Z28) . . . . .	.2038-.2103

Pin Bore Offset055-.065

Compression Height

L6-250 Cu.In.	1.658-1.662
V8-350 Cu.In. (L65, LM1, & L48)	1.558-1.562
V8-350 Cu.In. (Z28)	1.553-1.567

PISTON PINS

Material Chromium steel

Length

L6-250 Cu.In.	2.990-3.010
V8-350 Cu.In.	2.990-3.010

Diameter

L6-250 Cu.In. . . . .	.9270-.9273
V8-350 Cu.In. . . . .	.9270-.9273

Clearance in Piston

L6-250 Cu.In. . . . .	.00015-.00025
V8-350 Cu.In. (L65, LM1 & L48) . . . . .	.00015-.00025
V8-350 Cu.In. (Z28) . . . . .	.00045-.00055

Pin Mounting Locked in rod by shrink fit

PRINCIPAL COMPONENTS

COMPRESSION RINGS – UPPER

Material	Cast alloy iron
Type	Straight edge inside of ring
Face	Barrel
Coating	
L6-250 Cu.In.	Wear resistant coating
V8-350 Cu.In. (L65, LM1 & L48)	Molybdenum inlay, grahite impregnated
V8-350 (Z28) Cu.In.	Chrome plate face
	Wear resistant coating, Molybdenum inlay
Width	
L6-250 Cu.In.	.0775-.0780
V8-350 (L65, LM1 & L48)	.0775-.0780
V8-350 Cu.In. (Z28)	.0770-.0780
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
Gap	.010-.020

COMPRESSION RINGS – LOWER

Material	Cast alloy iron
Type	Inside bevel (top of ring 30 degrees to piston vertical axis for L6-250 and V8-350)
Face	Tapered
Coating	Wear resistant
Width	
L6-250 Cu.In.	.0770-.0780
V8-350 Cu.In. (L65, LM1 & L48)	.0770-.0775
V8-350 Cu.In. (Z28)	.0775-.0780
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-350 Cu.In.	.190-.200
Gap	
L6-250 Cu.In.	.010-.020
V8-350 Cu.In.	.013-.025

OIL CONTROL RINGS

Type	Multi-piece (two rails and one spacer)
Material	
Rails	Steel
Spacer	Alloy steel
Width (assembled)	
L6-250 Cu.In.	.1870-.1890
V8-350 Cu.In.	.1850-.1870
Wall Thickness	
L6-250 Cu.In.	.152-.158
V8-350 Cu.In.	.150-.156
Gap	
L6-250 Cu.In.	.015-.055
V8-350 Cu.In.	.015-.055
Rail Coatings	Chrome plates

CONNECTING RODS

Material	Drop forged steel
Length (center to center)	
L6-250 Cu.In.	5.695-5.705
V8-350 Cu.In.	5.695-5.705

CONNECTING ROD BEARINGS

Material	
L6-250 Cu.In.	Copper lead alloy or sintered copper nickel backed babbitt on steel
V8-350 Cu.In.	Premium aluminum
Type	Precision removable
Clearance	
L6-250 Cu.In.	.0007-.0027
V8-350 Cu.In.	.0013-.0035
Theoretical I.D.	
L6-250 Cu.In.	2.0017
V8-350 Cu.In.	2.1012
Effective Length	
L6-250 Cu.In.	.807
V8-350 Cu.In.	.797
End Play	
L6-250 Cu.In.	.007-.016
V8-350 Cu.In.	.006-.016

FUEL TANK

Capacity	21 (approximately)
Fuel Tank Location	Behind rear axle
Filler Location	Behind hinged rear license plate

FUEL FILTERS, DUAL

In Fuel Tank	Mesh strainer
In Carburetor Inlet	Paper

FUEL PUMP ASSEMBLY

Type	
L6-250 & 350 Cu.In. (L65)	Diaphragm
V8-350 Cu.In. (LM1, L48 & Z28)	Deep cover with vapor return line
Drive	Camshaft, eccentric
Location	Right side front of engine
Pressure Range (shut off pressure at 1800 RPM)	
L6-250 Cu.In.	4.00-5.00 PSI at pump outlet
V8-350 Cu.In.	7.50-9.00 PSI at pump outlet

AIR CLEANER

L6-250 Cu.In.	Cylindrical, single air horn
V8-350 Cu.In. (L65)	Cylindrical, single air horn
V8-350 Cu.In. (LM1 & L48)	Cylindrical, single air horn
V8-350 (Z28)	Dual air horn, chrome plated cover

Diameter

L6-250 Cu.In.	12.62
V8-350 Cu.In. (L65, LM1, L48)	15.48
V8-350 Cu.In. (Z28)	15.48
Filter Element	Oil-wetted paper

CARBURETORS

Make & Type

L6-250 Cu.In.	1-barrel, Monojet
V8-307 & 350 Cu.In. (L65)	2-barrel, downdraft
V8-350 Cu.In. (L48, LM1 & Z28)	4-barrel, Quadrajets

SAE Flange Type

L6-250 Cu.In.	1.50
V8-307 Cu.In.	1.25
V8-350 Cu.In.	1.50

Throttle Bore

L6-250 Cu.In.	1.69
V8-307 Cu.In.	1.44
V8-350 Cu.In. (L65)	1.69
V8-350 (L48, LM1 & Z28) Cu.In.	

Primary 1.38

Secondary 2.25

Secondary Throttle Actuation By linkage approximately when primary valves are opened halfway between closed and open

Venturi Diameter

L6-250 Cu.In.	1.31
V8-307 Cu.In.	1.09
V8-350 (L65) Cu.In.	1.25
V8-350 (L48, LM1 & Z28) Cu.In.	

Primary 1.09

Secondary Air valve

CHOKE

Type Automatic

EXHAUST SYSTEMS

TYPE

L6-250 Cu.In.	Single
V8-350 Cu.In. (L65 & LM1)	Single with crossover pipes
V8-350 Cu.In. (L48 & Z28)	Dual exhaust; single muffler

MUFFLERS

Type	Oval, reverse flow
Construction	Heads and body joined by rolled lock seam construction
Head	.060 sheet steel, aluminized
Shell	.036 sheet steel, aluminized
Wrap	.030 indented asbestos sheet
Cover	.018 sheet steel, aluminized
Baffles	4; .036 sheet steel, aluminized
Length, Body	24.00
Width (I.D.)	4.00
Height (I.D.)	
L6-250 Cu.In.	9.75
V8-350 Cu.In. (L65 & LM1)	9.75
V8-350 Cu.In. (L48 & Z28)	10.44

EXHAUST CROSSOVER PIPE V8-350 Cu.In. (L65 & LM1)	
Dimension (O.D.)	2.00
Wall Thickness	.082 laminated

EXHAUST PIPE

Dimensions (O.D.)	
L6-250 Cu.In.	2.00
V8-350 Cu.In. (L65 & LM1)	2.00
V8-350 Cu.In. (L48 & Z28)	2.25
Wall Thickness	
L6-250 Cu.In.	.064
V8-350 Cu.In. (L65 & LM1)	.082 laminated
V8-350 Cu.In. (L48 & Z28)	.082 laminated

TAIL PIPES

Dimensions (O.D.)	
L6-250 Cu.In.	2.00
V8-350 Cu.In. (L65 & LM1)	2.25
V8-350 Cu.In. (L48 & Z28)	2.00
Wall Thickness	
L6-250 Cu.In.	.069
V8-350 Cu.In. (L65 & LM1)	.061
V8-350 Cu.In. (L48)	.069

SYSTEM APPLICATION

System Type	Engine Adaptation				
	L6-250	V8-350			
	L22	L65	LM1	Z28	L48
PCV - Positive Crankcase Ventilation	All engines - all states				
EGR - Exhaust Gas Recirculation	All engines - all states				
CHA - Carburetor Heated Air	All engines - all states				
AIR - Air Injection Reactor System	*	All engines - all states			*
ECS - Fuel Evaporation Control System	All engines - all states				
CCS - Controlled Combustion System	**				**
TCS - Transmission Controlled Spark	***				

- * - Used with manual transmissions - all states and also with automatic transmissions in California.
- ** - Used with automatic transmissions - all states except California.
- *** - Used with manual transmissions - all states.

BASIC FUNCTION OF SYSTEMS

POSITIVE CRANKCASE VENTILATION

Withdraws oil and gas vapors from the various cavities throughout the engine for burning in the combustion cycle.

EXHAUST GAS RECIRCULATION SYSTEM

Meters exhaust gas into induction system for recirculation throughout the combustion cycle to reduce oxides of nitrogen emissions.

CARBURETOR HEATED AIR

Meters and mixes heated air with incoming cold air to optimize fuel evaporation.

AIR INJECTION REACTOR SYSTEM

Compresses, regulates and distributes quantities of air to each exhaust port to more completely burn carbon monoxide and hydrocarbon emissions.

FUEL EVAPORATION CONTROL SYSTEM

Controls emission of gasoline vapors to the atmosphere by means of an integral separator with the fuel tank that separates vapor from liquid fuel - a filler cap that doesn't permit venting into the atmosphere - a canister for storage of vapors - lines, hoses and valves to control and transport vapors from fuel tank to storage, and finally, to the carburetor for utilization in running the engine.

TRANSMISSION CONTROLLED SPARK

Regulates vacuum to distributor vacuum advance to reduce hydrocarbon and oxides of nitrogen emissions in low and intermediate speed ranges.

CONTROLLED COMBUSTION SYSTEM

Increased combustion efficiency through leaner carburetor mixtures and revised distributor calibration. Special thermostatically controlled camper, in the air cleaner snorkel maintains warm air intake to carburetor.

LUBRICATION SYSTEM

GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Cylinder Walls	
L6	Main and connecting rod bearing throw off
V8	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	
L6	Nozzle sprayed
V8	Centrifugally oiled from camshaft bearing
Oil Pressure Sending Unit	
Type	Electric
Actuation	Opens or closes circuit @ 2 to 6 PSI
Oil Filler	
Cap	Positive seal
Location	
L6	Forward end of rocker cover
V8-350 Cu.In.	Rearward of left rocker cover

OIL PAN CAPACITIES (Quarts)

Refill	
L6-250 Cu.In.	4
V8-350 Cu.In.	4
Refill with Filter Change	
L6-250 Cu.In.	4.5
V8-350 Cu.In.	4.5

LUBRICANT GRADES AND TEMPERATURES

20°F and Above	10W-30,10W-40,20W-20, 20W-40,20W-50
0°F to 60°F	10W,5W-30,10W-30,10W-40
Below 20°F	5W,5W-20,5W-30

OIL PUMP

Type	Gear
Regulator Valve	Opens between 40-45 lbs.
Oil Pressure	
L6-250 Cu.In.	36-41 PSI @ 2000 RPM
V8-350 Cu.In.	32-40 PSI @ 2000 RPM
Intake Type	Fixed pickup with screen
Capacity (GPM @ Engine RPM)	
L6-250 Cu.In.	4.3 @ 2000
V8-350 Cu.In.	4.3 @ 2000

OIL FILTER

Type	Full flow, throw away canister
Location	
L6	Right side front of engine
V8	Left rear side of engine
Capacity	One pint
Bypass Valve	Opens between 9 to 11 PSI

OIL PAN DRAIN PLUG

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

OIL DIPSTICK - LOCATION

L6-250 Cu.In.	Right side rear of engine block
V8-307 & 350 Cu.In.	Left side, rear of engine block

GENERAL

Type . . . Pressure, vented thru cooling recovery system
Capacity with Heater
L6-250 Cu.In. 14 qts
V8-350 Cu.In. 18 qts

RADIATOR

Make and Type Harrison, tube and center
Core Constant
Distance between Fins
L6-250 Cu.In.22 Syn., .18 Auto.
V8-350 Cu.In. (L65)16 Syn. & Auto.
V8-350 Cu.In. (L48 & LM1) . .16 Syn., .18 Auto.
V8-350 Cu.In. (Z28)16 Syn. & Auto.
Distance between Tubes55
Thickness of Core
L6-250 Cu.In.1.26
V8-350 Cu.In. (L65 with Syn.) 1.26
V8-350 (L65 with Auto.) & (L48 & LM1) . . 1.24
V8-350 Cu.In. (Z28) 1.98
Frontal Area (Sq.In.)
L6-250 Cu.In.353
V8-350 Cu.In. (L65, L48 & LM1) 353
V8-350 Cu.In. (Z28) 446
Overflow Separate coolant bottle

RADIATOR HEAVY DUTY (RPO V01)

Core Constant
Distance between Fins
L6-250 Cu.In.16 Syn. & Auto.
V8-350 Cu.In. (L65)16 Syn & Auto.
V8-350 Cu.In. (LM1 & L48) . .16 Syn., .20 Auto.
V8-350 Cu.In. (Z28)16 Syn., .14 Auto.
Distance between tubes55
Thickness of Core
L6-250 Cu.In.1.26
V8-350 Cu.In. (L65) 1.24 Syn. & Auto.
V8-350 Cu.In. (L48 & LM1) 1.24 Syn., 1.96 Auto.
V8-350 Cu.In. (Z28) 1.96
Frontal Area (Sq.In.)
L6-250 Cu.In.353
V8-350 Cu.In.446
Overflow Separate coolant bottle

THERMOSTAT

Type Pellet
Begins to Open at
All engines but Z28 192°-198°
V8-350 Cu.In. (Z28) 177°-183°
Fully Opened at
All engines but Z28 227°
V8-350 Cu.In. (Z28) 202°

RADIATOR CAP RELIEF VALVE

Opens at Approximately 15 PSI

RADIATOR HOSE

Outlet, Lower (Radiator to Water Pump)
L6-250 Cu.In. 1.75 ID
V8-350 Cu.In. 1.75 ID
Inlet, Upper (Thermostat Housing to Radiator)
L6-250 1.50 ID
V8-350 Cu.In. 1.50 ID

FAN

Number of Blades
All engines but Z28 4
V8-350 Cu.In. (Z28) 7
Diameter
L6-250 Cu.In. 17.62
All V8 engines 18.00

BELTS, CRANKSHAFT, FAN AND GENERATOR

Number Used One
Angle of "V" 38°-42°
Pitch Line
L6-250 Cu.In. 38.00
V8-350 Cu.In. (L6, L48 & LM1) 47.50
V8-350 (Z28) Cu.In. 46.50
Width 380

WATER PUMP

Type Centrifugal
Capacity
L6-250 Cu.In. 24.4 GPM @ 2000 Engine RPM
V8-350 Cu.In. 21.6 GPM @ 2000 Engine RPM
Bearing Permanently lubricated
double row ball
Drive Fan belt
Ratio (Pump to Engine RPM)
L6-250 Cu.In. 1.165:1
V8-350 Cu.In.949:1

DRAIN LOCATIONS AND TYPE

Engine Block - Plug
L6-250 Cu.In. Left side rear
V8-350 Cu.In. Right and left center

ELECTRICAL SYSTEM

SUPPLY SYSTEM

BATTERY

Type	Sealed side terminal
Voltage Rating	12
Cranking Power @ 0°F	
L6-250 Cu.In.	2000 watts
V8-350 Cu.In.	2900 watts
Heavy Duty (RPO T60)	4000 watts
Total Number of Plates	
L6-250 Cu.In.	54
V8-350 Cu.In.	66
Heavy Duty (RPO T60)	90
Number of Cells	6
Terminal Grounded	Negative
Location	Right front engine compartment

GENERATOR

Type	Diode rectified
Rating	
Amps	37
Volts	12
Drive	By fan belt
Pulley Pitch Diameter	2.43
Ratio (Gen. to Engine Speed)	2.73:1

REGULATOR

Type	Micro circuit unit; integral with alternator
Voltage	13.8-14.8 @ 85°F

IGNITION SYSTEM

DISTRIBUTORS Refer to chart below

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

COIL

Type	12-Volt
Amperes Drawn	
Engine Stopped	4.0
Engine Idling	1.8

SPARK PLUGS

Type	
L6-250 Cu.In.	ACR46T
V8-350 Cu.In.	ACR44T
Thread Size (mm)	14
Gap	.033-.038
Torque	15 lb.ft.

STARTING SYSTEM

STARTING MOTOR

Rotation (Drive End View)	Clockwise
Test Conditions	Engine at operating temp.
No Load Test	
Amps	
L6-250 Cu.In.	49-87
V8-350 Cu.In.	70-99
Volts	10.6
RPM	
L6-250 Cu.In.	6200-10700
V8-350 Cu.In.	7800-12000

Motor Drive

Engagement	Solenoid
Pinion Meshes at	Rear
Pinion Tooth No.	9
Flywheel Tooth No.	153
Mounting	Bolted to cylinder block flange

DISTRIBUTORS	Transmission	250 Cu.In. Standard		350 Cu.In.			
				RPO L65	RPO L48	RPO Z28	RPO *
Model	Manual	1110499	1112844	1112844	1112093	1112528	1112543
	Automatic	1110499	1112844	1112844	1112093	1112528	1112093
Type				Single breaker			
Cam angle		31-34		29-31			
Breaker gap				.019 (new)			
Breaker arm tension				19 - 23 oz.			
Centrifugal advance begins @ RPM	Manual	950-1280	675-1300	900-1300	1000-1200	800-1200	
	Automatic	950-1280	675-1300	900-1300	1000-1200	900-1300	
Maximum Degrees @ RPM	Manual	21.5-26.3 @ 15	18-22 @ 4200	16-20 @ 4200	18-22 @ 5000	20-24 @ 4200	
	Automatic	21.5-26.3 @ 15	18-22 @ 4200	16-20 @ 4200	18-22 @ 5000	16-20 @ 4200	
Vacuum advance begins @ In. Hg.	Manual	6.0-8.0	2.0-4.0	5.0-7.0	5.0-7.0	5.0-7.0	
	Automatic	6.0-8.0	2.0-4.0	5.0-7.0	5.0-7.0	5.0-7.0	
Maximum degrees @ In. Hg.	Manual	22-26 @ 15	12.5-15.5 @ 8.0	13.5-16.5 @ 13.5	13.5-16.5 @ 12	13.5-16.5 @ 13.5	
	Automatic	22-26 @ 15	12.5-15.5 @ 8.0	13.5-16.5 @ 13.5	13.5-16.5 @ 12	13.5-16.5 @ 13.5	
Timing (initial design setting) Crankshaft degrees @ RPM with vacuum line disconnected	Manual	6° BTC @ 950	0° BTC @ 900	8° BTC @ 900	8° BTC @ 900	4° BTC @ 900	
	Automatic	6° BTC @ 600	8° BTC @ 600	8° BTC @ 600	8° BTC @ 700	8° BTC @ 600	
Timing mark location				Torsional damper			

*- RPO LM1 and L48 for California

CLUTCHES AND TRANSMISSIONS

CLUTCHES

Engine	Type - Cubic Inch	L6-250		V8-350		
	Availability	Standard	RPO L65 & LM1	RPO L48	RPO Z28	
Clutch for		3-Speed		4-Speed		
Type		Single dry disc		Single dry disc, centrifugal		
Clutch cover & pressure plate	Eff. plate load, lbs.	1650-1900		2100-2300		
	Press. plate matl.	Cast iron		Nodular iron		
	Clutch spring type	Diaphragm		Diaphragm, bent finger design		
	Clutch spring matl.	Heat treated spring steel				
Driven plate	Type	Single disc with two friction surfaces				
	Cushions	Flat spring steel between friction rings				
	Dampers	(a)	10 coil springs (5 sets of two)			
	Friction rings	OD	9.12	10.34	11.00	
		ID	6.12	6.50	6.50	
		Total area sq. in.	71.82	101.54		123.70
Flywheel & Ring Gear	Flywheel	Material				
		Nodular iron				
	Ring gear	Material				
		Heat treated HR steel				
		No. of Teeth	153	168		
PD	12.75	14.00				
Bearings	Release	Type				
		Single row ball				
	Pilot	Lubrication				
		None, prepacked				
Controls	Clutch fork	Type				
		Shrink Fit				
	Pedal mounting	Drop forged steel, pivot mounted on ball				
Clutch housing material	Lubrication	None, sintered and oil impregnated				
		Pendant from brace on dash				
		Crossover shaft				
		Aluminum alloy				

(a) 6 outer coil springs and 3 inner coil springs equally spaced

3-SPEED AND 4-SPEED TRANSMISSIONS

Transmission Type		3-Speed		4-Speed			
Engine	Type	L6-250	V8-350	V8-350		V8-350	
Application	Availability	Standard	L65-LM1-L48	L65	L48	Z28	
Case material		Cast Iron			Aluminum		
Gear Shift	Type	Remote					
	Control	Lever					
	Location	Floor					
Gears	Type	Helical					
	Material	Forged steel hardened					
	Synchronization	All forward gears					
	Constant mesh gear	All gears			All forward gears		
	Sliding gears	None			Reverse		
	Ratios	First	2.85	2.54	2.54	2.64	2.43
		Second	1.68	1.50	1.80	1.75	1.61
		Third	1.00	1.00	1.44	1.33	1.23
Fourth				1.00	1.00	1.00	
Reverse		2.95	2.63	2.54	2.55	2.35	
Lubricant	Type	Meeting Military Specification MIL-L-2105 B					
	Capacity (pts)	3					
Extension	Material	Cast iron			Aluminum		
	Oil seal	Steel encased seal of spring loaded silicone					

TRANSMISSIONS

TURBO HYDRA-MATIC TRANSMISSION

Engine	Displacement (Cu.In.)	L6 250	V8-350 (L65,LM1,L48)	V8-350 (Z28)	
General Data	Type	Automatic hydraulic torque converter with compound planetary gear system - three forward speeds and reverse.			
	Selector lever	Location	Steering column (a)		
		Operation	Actuates controls by a hydraulic system from pressurized gear type pump		
	Parking Lock	Quadrant pattern	P-R-N-D-L2-L1		
		Type	Locking pawl		
	Operation	Applied by selector lever through manual linkage			
	Method of cooling	Water			
Flywheel assembly	Steel stamping with welded on ring gear				
Hydraulic System	Oil pressure pump	Supplies hydraulic pressure from an engine driven gear type pump			
	Type	Steel spool valve			
	Valves	Manual	Establishes range at transmission operation		
		Pressure regulator	Provides main line pressure		
		Shift (1-2)	Controls oil pressure for transmission shift from 1-2 or 2-1		
		Shift (2-3)	Controls oil pressure for transmission shift from 2-3 or 3-2		
	Modulator	Regulates line pressure with modulator oil pressure which varies with torque to transmission			
	Accumulator	Provides greater flexibility in attaining desired shift quality for various engine requirements			
	Pressure @ Idle (b)	Drive	55	60	70
		L2	80	87	150
L1		80	87	150	
Reverse		84	91	107.5	
Converter Assembly	Pump (Drive member)	Multivane type, sheet metal blade spot welded to steel pump housing that is an integral part of the converter housing			
	Turbine (Driven member)	Steel axial flow blades assembled between inner & outer steel shells			
	Stator assembly	Aluminum multivane type blades mounted on a one way (overrunning) roller clutch			
	Stall ratio	2.00		2.10	
	Stall speed (RPM)	2110			
	Diameter (nominal)	11.75		12.20	
Planetary Gear Set	Reaction carrier assembly	4 steel pinion gears			
	Output carrier assembly	4 steel pinion gears			
	Front band			Circular steel with organic lining	
	Rear band			Double wrap circular steel	
	Intermediate band	Circular steel with organic lining			
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1		2.48:1 - 1.48:1 - 1.00:1
		L2 (Low two)	2.52:1 - 1.52:1		2.48:1 - 1.48:1
		L1 (Low one)	2.52:1		2.48:1
R (Reverse)		1.93:1		2.08:1	
Servo Unit	Piston with release spring and inner cushion spring				
Case	Material	Aluminum			
Clutches	Type	Three, multiple disk	Four, multiple disk	Three, multiple disk	
	Material	Drive plates	Steel with bonded organic facings		
		Driven plates	Flat steel		
	Forward clutch	4 ea. drive & driven plates	5 ea. drive & driven plates	5 ea. drive & driven plates	
	Direct clutch	3 ea. drive & driven plates	4 ea. drive & driven plates	5 ea. drive & driven plates	
	Intermediate clutch		3 ea. drive & driven plates	3 ea. drive & driven plates	
	Low & Reverse clutch	4 ea. drive & driven plates	5 ea. drive & driven plates		
Release spring	Radial row steel coil				
Torque Multiplication	Drive (maximum)	5.04:1 to 1.00		5.21:1 to 1.00	
	Low 2	5.04:1 to 1.52		5.21:1 to 1.48	
	Low 1	5.04:1 to 2.52		5.21:1 to 2.48	
	Reverse	3.86:1 to 1.93		4.37:1 to 2.08	
Governor	Type	Cross-axis centrifugal			
	Operation	Regulates a pressure proportional to car speed which acts upon the (1-2) (2-3) shift and modulator valves			
Lubricant	Type	A suffix A			
	Capacity (pints)	Dry	20	22	
		Refill	8	9	

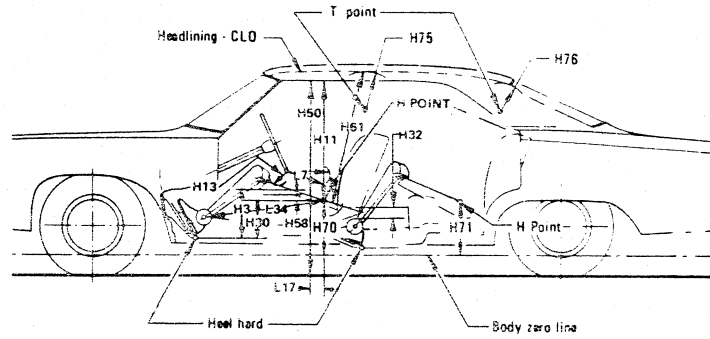
(a) Floor mounted available as an option, quadrant changes to P-R-N-3-2-1.

(b) Conditions: 450 RPM input

DIMENSIONS AND WEIGHTS

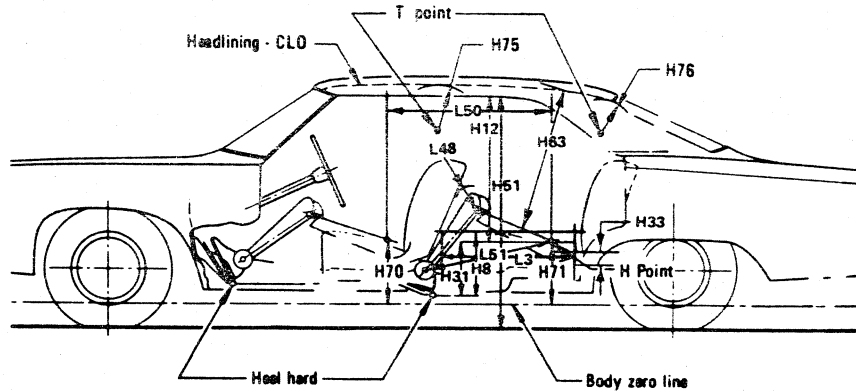
INTERIOR DIMENSIONS	2
LUGGAGE CAPACITY	2
EXTERIOR DIMENSIONS	3, 4
VEHICLE WEIGHTS	5

INTERIOR DIMENSIONS



FRONT COMPARTMENT

CODE	DESCRIPTION	2-DOOR SPORT COUPE
H3	Seat cushion height	9.2
H11	Entrance height	29.6
H13	Steering wheel thigh clearance	4.8
H30	H point to heel point	6.6
H32	Seat cushion deflection	2.4
H50	Upper body opening to ground	44.9
H58	H point rise	0.9
H61	Effective headroom	37.3
H70	H point to body O line	10.9
H75	Effective 'T' point headroom	37.5
W3	Shoulder room	56.7
W5	Hip room	56.7
L7	Steering wheel torso clearance	14.9
L17	H point travel	5.0
L34	Effective leg room	43.9



REAR COMPARTMENT

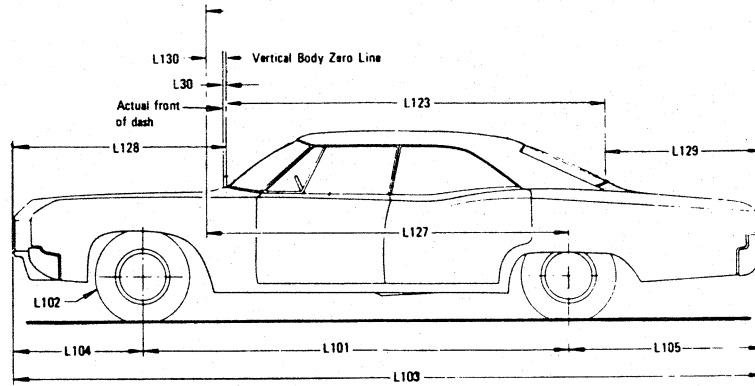
H8	Seat cushion height	10.1
H31	H point to heel point	8.4
H33	Seat cushion deflection	2.6
H63	Effective headroom	36.0
H71	H point to body O line	9.9
H76	Effective 'T' point headroom	35.9
W4	Shoulder room	54.4
W6	Hip room	47.3
L3	Rear compartment room	22.7
L50	H point couple distance	27.3
L51	Effective leg room	29.6

LUGGAGE COMPARTMENT

H195	Liftover height	27.9
V1	Usable luggage capacity (cu.ft.)	6.4*

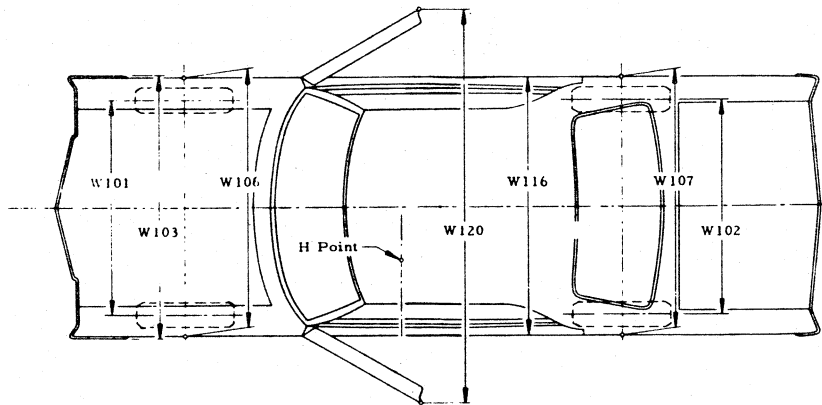
* With space saver tire 7.2 cubic feet

EXTERIOR DIMENSIONS



LENGTHS

CODE	DESCRIPTION	2-DOOR SPORT COUPE
L101	Wheelbase	108.0
L102	Tire size (standard)	E78-14
L103	Overall length	195.4
L104	Overhang, front	42.0
L105	Overhang, rear	45.4
-	Overall length - less bumpers	187.8
L123	Body upper structure length at car center line	94.4
L127	Body O line to C/L of rear wheels	86.7
L128	Front end length at centerline	57.5
L129	Rear end length at centerline	23.9
L130	Body zero plane to windshield cowl point	9.3
L30	Body O line to actual front of dash	1.2

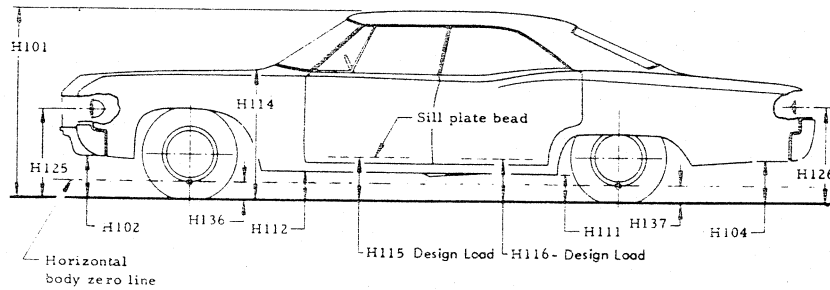


WIDTHS

CODE	DESCRIPTION	
W101	Tread - front	61.3*
W102	Tread - rear	60.0*
W103	Maximum overall width of car	74.4
W106	Front fender overall width	73.4
W107	Rear fender overall width	74.4
W116	Maximum overall width of body	74.5
W120	Overall car width, front doors open	140.5

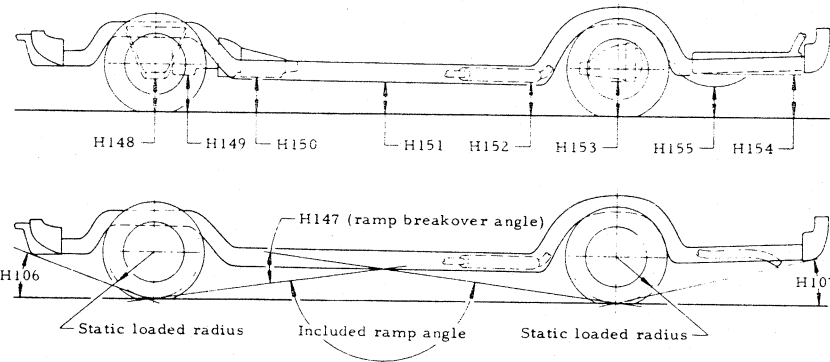
*-W101, (Type LT) Front 61.6, W102, (Type LT) Rear 60.3

EXTERIOR DIMENSIONS



HEIGHTS

CODE	DESCRIPTION	2-DOOR SPORT COUPE
H101	Overall height (design)	49.2
H102	Front bumper to ground	15.1
H104	Rear bumper to ground	12.4
H111	Rocker panel to ground - rear	5.7
H112	Rocker panel to ground - front	6.8
H114	Hood at rear to ground	35.4
H115	Step height - front (design)	16.5
H116	Step height - rear (design)	--
H125	Headlamp to ground	26.0
H126	Tail lamp to ground	23.0
H136	Body O line to ground - front	5.2
H137	Body O line to ground - rear	3.6



CLEARANCES

H106	Angle of approach (degrees)	24°29'
H107	Angle of departure (degrees)	16°9'
H147	Ramp breakover angle (degrees)	16°49'
H148	Front suspension to ground	5.0
H149	Oil pan to ground	5.2
H150	Flywheel housing to ground	5.8
H151	Frame to ground	5.0
H152	Exhaust system to ground	4.7
H153	Rear axle to ground	5.3
H154	Fuel tank to ground	7.2
H155	Tire well to ground	18.6
H156	Minimum ground clearance	4.7 (H152)

CAMARO

MODEL TYPE			SHIPPING WEIGHT			CURB WEIGHT		
MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	Front	Rear	Total	Front	Rear	Total
1FQ87	250 Cu.In. - L6	2-Door Sport Coupe	1877	1432	3309	1854	1559	3413
1FS87	350 Cu.In. V8 (L65)	2-Door Sport Coupe	2064	1502	3566	2041	1629	3670

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment, including grease, oil and (4) gallons of gasoline, and engine coolant to capacity.

CURB WEIGHT: Shipping weight plus gasoline to capacity.

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

OPTIONAL EQUIPMENT

RPO	OPTION	WITH	WEIGHT
C60	Air Conditioning	With L65	+ 93
		With L48 & Z28	+ 90
C08	Exterior Vinyl Roof		+ 5
D55	Floor Console	With 3-Speed Transmission	+ 6
		With 4-Speed Transmission	+ 6
		With Turbo Hydra-matic Trans.	+ 11
B37	Front & Rear Floor Mats		+ 10
J50	Power Brakes		+ 12
F41	Spec. Perf. Frt. & Rr. Susp.	With L65 & L48	+ 10
		With Z28	+ 12
ZJ7	Spec. Whl. Hub Cap & Trim Ring		+ 28
PE1	Turbine I wheels, 14 x 7 (urethane styled steel wheels)	Not available with Z28 Perf. Pkg.	+ 32
U63	Radio AM Pushbutton		+ 7
U69	Radio AM/FM Pushbutton		+ 8
Z54	Interior Decor/Quiet Sound Group		+ 18
Base	250 Cu.In. 6 Cyl. Engine	With Turbo Hydra-matic Trans.	+ 23
L65	350 Cu.In. V8 Engine	With 4-Speed Transmission	+147
		With Turbo Hydra-matic Trans.	+164
		With 4-Speed Transmission	+173
L48	350 Cu.In. V8 Engine	With Turbo Hydra-matic Trans.	+190
		With 4-Speed Transmission	+227
Z28	350 Cu.In. V8 Engine with 1FQ87 *	With Turbo Hydra-matic Trans.	+276
		with 4-Speed Transmission	+ 52
		with Turbo Hydra-matic Trans.	+101
	350 Cu.In. V8 Engine with 1FS87 *		

* Available as "Z-28" equipment only - includes additional body and chassis equipment.

BODY

EXTERIOR PAINT PROCESS	2
BODY CONSTRUCTION AND GLASS AREA	3
EXTERIOR-INTERIOR COLORS	4, 5

EXTERIOR PAINT PROCESS

1. **RUSTPROOFING.** Assembled car bodies are chemically sprayed to clean and etch the metal surfaces for corrosion resistance and paint adhesion. Unassembled sheet metal parts follow the same process.
2. **BODY AND SHEET METAL PRIMERS.** Four corrosion resistant primers, specially formulated, are hand sprayed on the body in areas where rust might develop. Lower areas considered especially vulnerable are coated with another rust inhibiting compound.
3. **PRIMER COAT** is applied to all outside and inside surfaces of front fenders and hoods. The parts are mechanically dipped or flow-coated to insure coating in all seams and secluded areas, and baked at 390 degrees F, for 30 minutes. A coat of sealer is then applied by hand spray to all surfaces requiring another coat of lacquer.
4. **FLASH PRIMER AND PRIMER-SURFACER COATS.** An air-dry flash primer coat is hand sprayed on surfaces below the body belt line. Then a gray primer-surfacer coat is hand sprayed on all outside surfaces of the body and oven baked for 45 minutes at 285 degrees F.
5. **INITIAL SANDING.** Power wet sanding, followed by hand sanding, is done on all body surfaces requiring lacquering. This insures a smooth surface for the lacquer finish. To remove the water, the body is wiped and run through an infra-red oven.
6. **LACQUERING.** Three coats of acrylic lacquer are spread on the exterior surfaces of the body and sheet metal parts to build up a finish of the required thickness for each color.
7. **INITIAL BAKING.** To harden the paint for final sanding, the body and sheet metal parts are baked for approximately 10 minutes at 200 degrees F.
8. **FINAL SANDING.** To remove body surface defects, power and hand sanding is done with fine grit sandpaper and mineral spirits as a wetting agent. Sanded areas are wiped to insure a clean surface before final baking.
9. **FINAL BAKING.** To assure a durable, hard, high luster finish the lacquer is baked for 30 minutes at 275 degrees F. Reheating the lacquer after final sanding permits paint film to soften, allowing surface blemishes and sanding scratches to disappear during the thermo-reflow process.
10. **UNDERCOATING.** To block out road noise, an asbestos fiber sound deadener with asphalt base is sprayed inside the wheel housings and on the bottom of the underbody at designated areas.
11. **PAINT REPAIR AND PROTECTION.** Mars, nicks, or scratches that occur during final assembly are corrected at the factory before shipment. When required, light "slush" polishing brings painted surfaces to a high luster finish. Wax is applied to all horizontal surfaces of each vehicle and polished out for protection during shipment. The wax contains no silicones, thus eliminating any paint contamination problem.

BODY CONSTRUCTION AND GLASS AREA

GENERAL

Type Unitized body with bolt on partial front frame and bolt-on front end sheet metal, with protective inner fender skirts. Full roof inner panel with integral side rails and front and rear headers. Roof is of double-panel construction.

DOORS AND LOCKS

Door construction Double panel, hinged at front
 Door handles Lift flap with fork type locks, and 2-position free-wheeling inside door handles. Inside door lock buttons. Flush type external and internal.

HOOD AND TRUNK LID

Type Counterbalanced, with short goose neck type hinges actuating torsion rods on trunk lid and spring loaded toggle-type hinges on rear of hood. Front and rear lids are of double-panel construction.
 Hood release External

VENTILATION

High level air intake for passenger compartment . With double wall plenum chamber providing washing and air drying of rocker panels for corrosion resistance. Air and water travel through rocker panels and drain at ends of rocker inner panels. Astro ventilation with instrument panel outlets and full door side glass.

SEATS

Type Bucket seats front, rear seats have bucket seat styling with individual seat cushions and one-piece backrest
 Construction
 All seat cushions and backrests . . . Formed polyfoam

WINDSHIELD WIPERS AND WASHERS

Type Dual, 2-speed electric; non-depressed park with dull-chromed arms and blades; 15-inch blades.
 Linkage Parallel acting
 Optional system Same as above except concealed park position, black-chromed 18-inch blades, and articulated left blade.

HEADLIGHTS

Type Single Powerbeam headlamps

SPARE TIRE AND TOOLS

Location Right side of trunk on floor. Tools consist of bumper jack and socket end type "L" wrench stored beneath tire.

BODY GLASS VISIBILITY AREA

Windshield	1137.6
Door windows (LH and RH)	1089.4
Back window	1099.2
Total area (sq.in.)	3326.2

Windshield laminated safety plate glass; door and rear window solid safety plate glass.

EXTERIOR-INTERIOR COLORS

INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM									
		Black & White Check			Black				Black	Light Neutral	
		*	*	*		*	*	Knit Vinyl	*		
		Cloth /Black	Cloth /Red	Cloth /Blue	Cloth	Vinyl /Black	Vinyl /Blue		Vinyl with Red Seat Welts/Red	Cloth	Vinyl
Standard - 1FQ00 Coupe (87)	Bucket	775	775	775		777	777		779		781
Type LT - 1FS00 Coupe (87)	Bucket				776			778		780	
EXTERIOR COLORS	Color Code										
Antique White C/O	11	X	X	X	X	X	X	X	X		X
Bright Blue Metallic C/O	26	X	-	X	X	X	X	X	X		-
Midnight Blue Metallic C/O	29	X	X	X	X	X	X	X	X		X
Aqua Blue Metallic	36	X	-	-	X	X	-	X	-		-
Lime Yellow	40	X	-	-	X	X	-	X	-		-
Bright Green Metallic	46	X	-	-	X	X	-	X	-		X
Med. Dark Green Metallic	49	X	-	-	X	X	-	X	-		X
Cream Beige	50	X	-	-	X	X	-	X	X		X
Bright Yellow	51	X	-	-	X	X	-	X	-		X
Light Gold Metallic	53	X	-	-	X	X	-	X	-		X
Sandstone	55	X	-	-	X	X	-	X	-		X
Golden Brown Metallic	59	X	-	-	X	X	-	X	-		X
Silver Metallic C/O	64	X	X	X	X	X	X	X	X		X
Bronze Metallic	66	X	-	-	X	X	-	X	-		X
Medium Red Metallic	74	X	X	-	X	X	-	X	X		X
Medium Red C/O	75	X	X	-	X	X	-	X	X		X

VINYL TOP COLOR	EXTERIOR COLOR
Black	All
White	All
Medium Blue	11, 26, 29
Medium Green	11, 46, 49
Cream Beige	11, 50, 53, 55, 59
Silver Taupe	64
Maroon	11, 64, 74
Brown	11, 50, 59, 64
Russet	11, 66
Medium Saddle	11, 49, 50, 59, 66

*-Accent carpet color. Obtained by specifying trim number plus Accent Carpet RPO number: 19F-Black, 75F-Red, or 24F-Blue.

NOTE: Solid exterior color combinations (except vinyl top) may be obtained with non-recommended interior combinations when ZP2 override is specified.

INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR TRIM								
		Medium Saddle			Saddle & Black Check	Green & Black Check	Medium Green	Medium Red	Medium Taupe	
		Cloth	Vinyl	Knit Vinyl	Cloth	Cloth	Vinyl	Vinyl	Cloth	Knit Vinyl
Standard - 1FQ00 Coupe (87)	Bucket		798		796	786	787	792		
Type LT - 1FS00 Coupe (87)	Bucket	797		799					783	784
EXTERIOR COLORS	Color Code									
Antique White C/O	11		X		X	X	X	X		X
Bright Blue Metallic C/O	26		-		-	-	-	-	-	-
Midnight Blue Metallic C/O	29		-		-	-	-	X	-	-
Aqua Blue Metallic	36		-		-	-	-	-	-	-
Lime Yellow	40		-		-	X	X	-	-	-
Bright Green Metallic	46		-		-	X	X	-	-	-
Med. Dark Green Metallic	49		X		X	X	X	-	-	X
Cream Beige	50		X		X	-	-	-	-	X
Bright Yellow	51		X		X	-	-	-	-	X
Light Gold Metallic	53		-		-	-	-	-	-	-
Sandstone	55		-		-	-	-	-	-	-
Golden Brown Metallic	59		X		X	-	-	-	-	-
Silver Metallic C/O	64		X		X	-	-	X	-	X
Bronze Metallic	66		X		X	-	-	-	-	-
Medium Red Metallic	74		X		X	-	-	-	-	-
Medium Red C/O	75		-		-	-	-	X	-	-

NOTE: Solid exterior color combinations (except vinyl tops) may be obtained with non-recommended interior combinations when ZP2 override is specified.

CAMARO

1974 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Model Number	Wheel-base	Dealer Invoice Amount*	Dealer Price	Factory D&H§	List Price	Mfr's Sgr'd Retail Price★	Destination Charge & Group Number	Total
◆ 6-Cylinder Engine									
Sport Coupe—4-Passenger	1FQ87	108"	2498.66	2440.20	11.70	2923.00	2934.70	11.....	
◆ 8-Cylinder Engine									
Sport Coupe—4-Passenger	1FQ87	108"	2727.48	2663.64	11.70	3192.00	3203.70	11.....	
Type LT Coupe—4-Passenger	1FS87	108"	3029.06	2958.28	11.70	3539.00	3550.70	11.....	

★ Manufacturer's Suggested Retail Prices do not include applicable destination charges, state and local taxes, license fees, options or accessories.
 ◆ Refer to Dealer Order Guide for California Requirements.

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H§	List Price	Mfr's Suggested Retail Price◇
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Air Conditioning: <i>Four-Season.</i> Includes 61-amp generator and V01 HD radiator.	C60	339.30	330.60	N.C.	435.00	435.00
Axle, Positraction Rear: Included with Z28 Special Performance Package	G80	36.66	35.72	N.C.	47.00	47.00
Axle Ratio: <i>Economy</i>	G95	9.36	9.12	N.C.	12.00	12.00
Battery, Heavy-Duty: 15-plate, 80-amp-hr	UA1	11.70	11.40	N.C.	15.00	15.00
Belts, Color-Keyed Seat and Shoulder: Includes color-keyed belts and plastic buckles. (Standard belts and plastic buckles are black.) <i>REPLACING STANDARD NUMBER OF BELTS:</i> 4 seat and 2 front shoulder.	AK1	12.48	12.16	N.C.	16.00	16.00
Brakes, Power: Included with Z28 Special Performance Package	J50	40.56	39.52	N.C.	52.00	52.00
Bumper Equipment: <i>Guards, Bumper.</i> Front and Rear	V30	26.52	25.84	N.C.	34.00	34.00
California Emission Certification: Includes all testing, equipment and /or certification necessary for registration in the State of California	YF5	16.38	15.96	N.C.	21.00	21.00
Clock, Electric: Standard on Type LT Coupe. Included with U14 special instrumentation	U35	13.26	12.92	N.C.	17.00	17.00
Console: Includes floor-mounted shift lever with automatic transmission. Also includes rear seat courtesy and compartment lights	D55	48.36	47.12	N.C.	62.00	62.00
Cooling Equipment: <i>Radiator, Heavy-Duty.</i> Included with C60 air conditioning or ZJ4 Trailer Towing Package. Without Z28 Special Performance Package	V01	11.70	11.40	N.C.	15.00	15.00
With Z28 Special Performance Package	V01	6.63	6.46	N.C.	8.50	8.50
Defogger, Rear Window: Forced-Air	C50	28.08	27.36	N.C.	36.00	36.00
Engines: (Also see Z28 Special Performance Package) (Refer to Dealer Order Guide for California Requirements)						
<i>Turbo-Thrift 250-1 /SE 6-Cylinder</i>	L22					
<i>Turbo-Fire 350-2 /SE V8</i>	L65					
<i>Turbo-Fire 350-4 /SE V8</i>	LM1	38.22	37.24	N.C.	49.00	49.00
<i>Turbo-Fire 350-4 /DE V8</i>	L48	62.40	60.80	N.C.	80.00	80.00
Glass, Soft-Ray Tinted: All windows	A01	35.10	34.20	N.C.	45.00	45.00
Horns, Dual	U05	3.12	3.04	N.C.	4.00	4.00
Instrumentation, Special: Standard on Type LT Coupe. Includes tachometer, ammeter and temperature gauge plus U35 electric clock in instrument cluster and additional instrument cluster lighting	U14	68.64	66.88	N.C.	88.00	88.00
Interior Decor /Quiet Sound Group: Standard on Type LT Coupe. Includes glove compartment light and additional instrument cluster lighting; wood-grained accents on instrument cluster plus special engine compartment, hood and interior insulation.	Z54	27.30	26.60	N.C.	35.00	35.00

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.
 § D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.
 ◇ State and local taxes not included.

CAMARO

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H‡	List Price	Mfr's Suggested Retail Price◇
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Lighting, Auxiliary: Includes ashtray, instrument courtesy, luggage compartment and underhood lights.						
Sport Coupe without Z54 Interior Decor /Quiet Sound Group. Also includes glove compartment light	ZJ9	14.43	14.06	N.C.	18.50	18.50
Sport Coupe with Z54 Interior Decor /Quiet Sound Group or Type LT Coupe	ZJ9	12.48	12.16	N.C.	16.00	16.00
Mats, Color-Keyed Floor: 2 front and 2 rear	B37	10.92	10.64	N.C.	14.00	14.00
Mirrors:						
<i>Sport.</i> LH outside remote-control and RH manual sport mirrors. Standard on Type LT Coupe. Included with Z28 Special Performance Package						
Visor Vanity	D35	21.06	20.52	N.C.	27.00	27.00
	D34	2.34	2.28	N.C.	3.00	3.00
Moldings:						
<i>Body Side.</i> Includes vinyl insert						
Door Edge Guard	B84	29.64	28.88	N.C.	38.00	38.00
	B93	5.46	5.32	N.C.	7.00	7.00
Paint, Exterior: Solid NO ADDITIONAL CHARGE						
Radio Equipment: Pushbutton						
AM Radio	U63	50.70	49.40	N.C.	65.00	65.00
AM /FM Radio	U69	105.30	102.60	N.C.	135.00	135.00
AM /FM Stereo Radio	U58	181.74	177.08	N.C.	233.00	233.00
Speaker, Rear Seat	U80	13.26	12.92	N.C.	17.00	17.00
Roof Cover, Vinyl: Includes bright roof drip moldings	...	67.86	66.12	N.C.	87.00	87.00
Seat Back, Adjustable: 2 positions	AN6	14.04	13.68	N.C.	18.00	18.00
Spare Tire, Space Saver: Included on LT Coupe with Z28 Special Performance Package and C60 air conditioning.						
With E78-14 tires. Includes E78-14 blackwall tire on 14" x 5" wheel.						
Without PE1 Turbine I wheels	N65	11.70	11.40	(-.84)	15.00	14.16
With PE1 Turbine I wheels	N65	N.C.	N.C.	(-.84)	N.C.	(-.84)
With F70-14 tires. Includes F78-14 blackwall tire on 14" x 6" wheel.						
Without PE1 Turbine I wheels	N65	11.70	11.40	(-.60)	15.00	14.40
With PE1 Turbine I wheels	N65	N.C.	N.C.	(-.60)	N.C.	(-.60)
With FR78-14 tires. Includes F78-14 blackwall tire on 14" x 6" wheel.						
Without PE1 Turbine I wheels	N65	11.70	11.40	(-.96)	15.00	14.04
With PE1 Turbine I wheels	N65	N.C.	N.C.	(-.96)	N.C.	(-.96)
With Z28 Special Performance Package. Includes F78-14 blackwall tire on 14" x 6" wheel.						
	N65	N.C.	N.C.	(-.60)	N.C.	(-.60)
Spoilers: Front and Rear. Includes front valance spoiler, rear deck and side panel spoiler. Front spoiler shipped loose for dealer installation						
	D80	60.06	58.52	N.C.	77.00	77.00
	N41	96.72	94.24	N.C.	124.00	124.00
Steering, Power: Variable-Ratio. Standard on V8 models	N33	38.22	37.24	N.C.	49.00	49.00
Steering Wheel: Comfortilt	D88	60.06	58.52	N.C.	77.00	77.00
Striping: Black						
Style Trim: Includes bright roof drip, lock pillar, upper fender, hood panel and belt moldings plus colored insert door handles and bright accented parking lights	Z21	40.56	39.52	N.C.	52.00	52.00
Suspension, Sport: Included with Z28 Special Performance Package. Includes special front stabilizer; rear stabilizer and special front and rear shock absorbers						
	F41	23.40	22.80	N.C.	30.00	30.00

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.

‡ D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.

◇ State and local taxes not included.

CAMARO

OPTIONS AND ACCESSORIES WHEN INSTALLED BY CHEVROLET

Prices shown are effective with vehicles shipped on and after May 15, 1974

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H‡	List Price	Mfr's Suggested Retail Price◇
REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION						
Tires: Without Z28 Special Performance Package.						
<i>E78-14 /B Bias Belted Ply Blackwall (Standard)</i>						
<i>E78-14 /B Bias Belted Ply White Stripe. Sport Coupe.</i>						
<i>NO ADDITIONAL CHARGE</i>						
Without N65 space saver spare tire	QEH	24.18	23.56	N.C.	31.00	31.00
With N65 space saver spare tire	QEH	19.34	18.85	N.C.	24.80	24.80
<i>F70-14 /B Bias Belted Ply White Stripe. Sport Coupe. Includes 14" x 7" wheels.</i>						
Without N65 space saver spare tire	QFC	55.77	54.34	1.50	71.50	73.00
With N65 space saver spare tire	QFC	44.62	43.47	1.20	57.20	58.40
<i>F70-14 /B Bias Belted Ply White Lettered. Sport Coupe. Includes 14" x 7" wheels.</i>						
Without N65 space saver spare tire	QFD	65.91	64.22	1.50	84.50	86.00
With N65 space saver spare tire	QFD	52.73	51.38	1.20	67.60	68.80
<i>FR78-14 /B Steel Belted Radial Ply Blackwall.</i>						
Without N65 space saver spare tire	QDV	80.73	78.66	.65	103.50	104.15
With N65 space saver spare tire	QDV	64.58	62.93	.52	82.80	83.32
Sport Coupe	QDV	63.80	62.17	.52	81.80	82.32
Type LT Coupe	QDV	63.80	62.17	.52	81.80	82.32
<i>FR78-14 /B Steel Belted Radial Ply White Stripe.</i>						
Without N65 space saver spare tire	QDW	106.47	103.74	.65	136.50	137.15
With N65 space saver spare tire	QDW	85.18	82.99	.52	109.20	109.72
Sport Coupe	QDW	84.40	82.23	.52	108.20	108.72
Type LT Coupe	QDW	84.40	82.23	.52	108.20	108.72
<i>FR78-14 /B Steel Belted Radial Ply White Lettered.</i>						
Without N65 space saver spare tire	QBT	116.61	113.62	.65	149.50	150.15
With N65 space saver spare tire	QBT	93.29	90.90	.52	119.60	120.12
Sport Coupe	QBT	92.51	90.14	.52	118.60	119.12
Type LT Coupe	QBT	92.51	90.14	.52	118.60	119.12
Trailer Towing Package: Includes 3.42 rear axle ratio.						
Without C60 Air Conditioning. Also includes V01 HD radiator	ZJ4	31.98	31.16	N.C.	41.00	41.00
With C60 Air Conditioning	ZJ4	9.36	9.12	N.C.	12.00	12.00
Transmissions:						
<i>3-Speed Manual (Standard)</i>	M15					
<i>Turbo Hydra-matic.</i>	M15					
<i>NO ADDITIONAL CHARGE</i>						
Without Z28 Special Performance Package	M40	184.50	180.00	N.C.	225.00	225.00
With Z28 Special Performance Package	M40	256.66	250.40	N.C.	313.00	313.00
<i>4-Speed Wide-Range</i>	M20	179.58	175.20	N.C.	219.00	219.00
<i>4-Speed Close-Ratio</i>	M21	179.58	175.20	N.C.	219.00	219.00
Wheel Trim:						
<i>Bright Metal Wheel Covers.</i>	P01	23.40	22.80	N.C.	30.00	30.00
<i>Rally Wheels.</i> Standard on Type LT Coupe. Includes styled wheels, special hub caps and trim rings	ZJ7	35.88	34.96	N.C.	46.00	46.00
<i>Turbine I Wheels.</i> 14" x 7".	PE1	86.19	83.98	N.C.	110.50	110.50
Sport Coupe	PE1	58.50	57.00	N.C.	75.00	75.00
Type LT Coupe	PE1	58.50	57.00	N.C.	75.00	75.00
Windows, Power						
Windshield Wipers, Hide-A-Way: Standard on Type LT Coupe. Includes articulated LH blade						
	C24	16.38	15.96	N.C.	21.00	21.00
Z28 Special Performance Package: Includes Turbo-Fire Special 350-4 /DE engine with finned aluminum rocker covers and bright accents; high energy ignition; increased cooling; J50 power brakes; dual exhausts; black-finished grille; Z28 emblems on front fenders; sport suspension; HD starter and clutch; 15" x 7" wheels with bright lug nuts, special center caps and trim rings; F60-15 /B bias belted ply white lettered tires and G80 Positraction rear axle with 3.73 ratio without C60 air conditioning or 3.42 ratio with C60 air conditioning.						
Sport Coupe. Also includes Z28 decal on rear panel plus D35 LH remote-control and RH manual sport mirrors	Z28	496.86	484.12	3.05	637.00	640.05
Type LT Coupe	Z28	496.86	484.12	3.05	637.00	640.05
Without C60 air conditioning	Z28	442.26	430.92	3.05	567.00	570.05
With C60 air conditioning. Also includes N65 space saver spare tire	Z28	442.26	430.92	2.45	567.00	569.45

* Dealer Invoice Amount includes Holdback Amount retained for dealer's account in accordance with Vehicle Terms of Sale Bulletin.
 ‡ D&H amounts reflect provision for pass through of tire weight tax imposed on manufacturer or importer of tires.
 ◇ State and local taxes not included.

NOTES

1974 MVMA Specifications Form

Passenger Car

Manufacturer Chevrolet Motor Division General Motors Corporation	Car Line CAMARO	
Mailing Address Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	Model Year 1974	Issued: September 1973 Revised (●) March, 1974

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

Revised pages attached - 2.

MVMA Specifications Form

Passenger Car

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NOTES:

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

**MVMA Specifications Form
Passenger Car**

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●) _____

Car Models

Model Description	Make, Car line, Series, Body Type (Mfr's Model Code)	Max. Number of Passengers (Front/Rear)	
		Front	Rear
<u>STANDARD</u>	<u>Model Number</u>		
2-Door Sport Coupe	1FQ87	2	2
<u>TYPE LT</u>			
2-Door Sport Coupe	1FS87	2	2

NOTE: ANY SPECIFICATIONS ON THE FOLLOWING PAGES THAT ARE SPECIFIC TO CALIFORNIA REQUIREMENTS ARE INDICATED ACCORDINGLY

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●) 3/74

Car and Body Dimensions

See Pages 29 - 31 for SAE Dimension Definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for: 4-Dr. Sedan, 2-Dr. H.T., 4-Dr. H.T., Convertible and Station Wagon.

Body Type	
SAE Ref. No.	2-Door Sport Coupes
	1FQ87 | 1FS87

Width

Tread - Front	W101	61.3	61.6
Tread - Rear	W102	60.0	60.3
Maximum overall car width	W103	74.4	
Body width at No. 2 pillar	W117	--	
Max. front doors open	W120	140.5	
Max. rear doors open	W121	--	

Length

Body "O" to front of dash	L 30	1.2
Wheelbase	L101	108.0
Overall car length	L103	195.4
Overhang - front	L104	42.0
Overhang - rear	L105	45.4
Body upper structure length	L123	94.4
Body "O" line to C/L of rear wheel	L127	86.7
Body "O" line to w/s cowl point	L130	9.3

Height

Passenger Distribution (front & rear)	*	2-2
Trunk/Cargo load (lbs.)	*	0
Overall height	H101	49.2
Cowl height	H114	35.4
Deck height	H138	
Rocker panel - front	H112'	6.8
To ground		
From front wheel C/L		
Bottom of front door to ground	H133	11.4
Rocker panel - rear	H111	5.7
To ground		
From rear wheel C/L		
Bottom of rear door to ground	H135	--
Windshield slope angle	H122	57.4

Ground Clearance

Bumper to ground - front	H102	15.1
Bumper to ground - rear	H104	12.4
Angle of approach	H106	24°29'
Angle of departure	H107	16°9'
Ramp breakover angle	H147	16°49'
Rear axle differential to ground	H153	5.3
Min. running clearance (Specify)	H156	4.7(a)

*All measurements are made at the stated passenger and trunk/cargo loadings

(a) Exhaust pipe at x member

MVMA Specifications Form

Passenger Car

Car Line CAMARO

Model Year 1974

Issued _____

Revised (●) _____

Car And Body Dimensions See Pages 29 - 31 for SAE Dimension Definitions

Body Type

SAE Ref. No.	2-Door Sport Coupe
---------------------	---------------------------

Front Compartment

H Point to body "O" line	L31	42.8
Effective head room	H61	37.3
Max. eff. leg room - accelerator	L34	43.9
H Point to Heel point	H30	6.6
H Point travel	L17	5.0
Shoulder room	W3	56.7
Hip room	W5	56.7
Upper body opening to ground	H50	44.9

Rear Compartment

H Point couple distance	L50	27.3
Effective head room	H63	36.0
Min. effective leg room	L51	29.6
H Point to Heel point	H31	8.4
Min. knee room	L48	-2.6
Rear Compartment room	L3	22.7
Shoulder room	W4	54.4
Hip room	W6	47.3
Upper body opening to ground	H51	--

Luggage Compartment

Usable luggage capacity (cu. ft.)	V1	
Liftover height	H195	27.9
Position of spare tire storage		RH Corner-Flat
Method of holding lid open		Torsion Bars

Station Wagon — Third Seat

Shoulder Room	W85	
Hip room	W86	
Effective leg room	L86	
Effective head room	H86	
Seat facing direction		

Station Wagon — Cargo Space

Cargo length at floor - front seat	L202	
Cargo length at belt - front seat	L204	
Cargo width - Wheelhouse	W201	
Opening width at belt	W204	
Maximum cargo height	H201	
Rear opening height	H202	
Cargo volume index (cu. ft.) W4 x L204 x H201 1728	V2	

* Corporation 'H' (Shoe Box) method of measurement is used

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●) _____

Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

SERIES AVAILABILITY	ENGINE					TRANSMISSION	AXLE RATIO ** (Std. first) (Indicate A/C ratio)		
	Displ. cu. in.	Carb.	Compr. Ratio	SAE Net @ RPM			A	B	C
				BHP	Torque				
1FQ87 (Standard) (all states)	Turbo Thrift 250L61 (L22)	One; 1-bbl	8.25:1	100 @ 3600	175 @ 1800	3-spd. manual (2.85:1 low) 3-spd. automatic*	3.08	--	--
(1FQ87) (Optional) 1FS87 (Standard) (Not available in California)	Turbo Fire 350V82 (L65)	One; 2-bbl	8.5:1	145 @ 3800	250 @ 2200	3-spd. manual (2.54:1 low) 4-spd. manual* (2.54:1 low) 3-spd. automatic*	3.08	3.08	-- 3.42
1FQ87 & 1FS87 (Optional) (California only)	Turbo Fire 350V84 (LM1)	One; 4-bbl	8.5:1	160 @ 3800	245 @ 2400	3-spd. manual (2.54:1 low) 4-spd. manual* (2.54:1 low) 3-spd. automatic*	3.08	3.08	-- 3.42
1FQ87 & 1FS87 (Optional) (all states)	Turbo Fire 350V84 (L48)	One; 4-bbl	8.5:1	185 @ 4000	270 @ 2600	3-spd. manual (2.54:1 low) 4-spd. manual* (2.54:1 low) 3-spd. automatic*	3.42	3.42	-- 3.42
	Turbo Fire 350V84 (Z28)	One; 4-bbl	9.0:1	245 @ 5200	280 @ 4000	4-spd. manual (2.52:1 low) 4-spd. manual* (2.20:1 low) 3-spd. automatic*	3.73	3.42	-- -- 3.42
* - Optional ** - Positraction available optionally for all ratios A - Standard B - Air Conditioning C - Trailer option									

MVMA Specifications Form Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●) _____

Engine Displacement			
L6-250 C.I. L22	V8-350 C.I. L65 | LM1 | L48 | Z28		

Engine — General

Type, no. cyls., valve arr.	In-line 6 OHV	90° V8 OHV
Bore and stroke (nominal)	3.875 x 3.53	4.00 x 3.48
Piston displacement, cu. in.	250	350
Bore spacing (C/L to C/L)	4.40	
No. system (front to rear)	L. Bank	1-2-3-4-5-6
	R. Bank	In-line
Firing Order	1-5-3-6-2-4	1-3-5-7 2-4-6-8
Cylinder Head Material	Cast alloy iron	
Cylinder Block Material	Cast alloy iron	
Cyl. Sleeve-Wet, dry, none	None	
Number of mtg. points	Front	Two
	Rear	One
Engine installation angle	3° 16'	
Taxable horsepower	36.0	51.2
Recommended fuel regular — premium	Unleaded, or Low Lead	
Cylinder Head Volume (cc)	72.75	75.47
Head Gasket Thickness (Compressed)	.032	.021
Head Gasket Volume (cc)	6.86	4.58
Deck Clearance nominal (above or below block)	.008 (below)	.025 (below)
Minimum Combustion Chamber Volume (cc)	71.71	74.47

Engine — Pistons

Material	Cast aluminum alloy		Alum. impact ext'rd
Description and finish	Sump head, slipper skirt		Flat head, notched slipper skirt
Weight (piston only) oz.	28.80	26.02	26.02
Clearance (limits)	Top land	.0245 - .0335	.0235 - .0325
	Skirt	Top	.0005 - .0015(a)
		Bottom	.0007 - .0017 (b)
Ring groove diameter	No. 1 ring	3.434 - 3.444	3.546 - 3.556
	No. 2 ring	3.434 - 3.444	3.546 - 3.556
	No. 3 ring	3.446 - 3.456	3.582 - 3.592

(a) Measured 2.44 from top of piston

(b) Measured 1.56 from top of piston

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●)

Engine Displacement

L6-250 C.I.		V8-350 C.I.			
L22		L65	LM1	L48	Z28

Engine - Piston Rings

Function (top to bottom)	No. 1. oil or comp.	Compression			
	No. 2. oil or comp.	Compression			
	No. 3. oil or comp.	Oil			
Compression	Description - upper	Cast alloy iron, barrel face (a)			
	material, coating, etc. lower	Cast alloy iron, inside bevel, tapered face (b)			
	Width	(c)	(d)	(e)	
	Gap	(f)	Upper .010 - .020		Lower .013 - .025
Oil	Description - material, coating, etc	Multi-piece (2 rails and 1 spacer expander) Rails - steel; Chrome plated OD; Expander-stainless steel			
	Width (assembled)	.1870 - .1890		.1850 - .1870	
	Gap	.015 - .055			
Expanders	In oil ring assembly				

Engine - Piston Pins

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

Engine - Connecting Rods

Material		Drop forged steel			
Weight (oz.)		14.24		20.80	
Length (center to center)		5.695 - 5.705		5.695 - 5.705	
Bearing	Material & Type	Copper lead alloy (sintered) stl. bkd.		Premium aluminum	
	Overall length	.807		.797	
	Clearance (limits)	.0007 - .0027		.0013 - .0035	
	End Play	.007 - .016		.006 - .016	

- (a) L6-250 Wear resistant coating, molybdenum inlay, graphite impregnated
 V8-350 (L65/LM1/L48) Chrome plated
 V8-350 (Z28) Wear resistant coating, molybdenum inlay
- (b) Wear resistant coating
- (c) Upper .0775 - .0780; Lower .0770 - .0780
- (d) Upper .0775 - .0780; Lower .0770 - .0775
- (e) Upper .0770 - .0775; Lower .0770 - .0775
- (f) Upper & Lower .010 - .020

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (•) _____

Engine Displacement

L6-250 C.I. L22	V8-350 C.I.			
	L65	LM1	L48	Z28

Engine—Crankshaft

Material	Cast nodular iron		Forged steel		
Vibration damper type	Rubber mounted inertia				
End thrust taken by bearing (No.)	7	5			
Crankshaft end play	.002-.006	.002-.007			
Main bearing	Material & type	Steel backed insert; copper lead alloy or premium aluminum lining selected for specific application			
	Clearance	.0003 - .0029	(a)		
	Journal dia. and bearing overall length	No. 1	2.3004 x .752	2.4502 x .752	
		No. 2	2.3004 x .752	2.4502 x .752	
		No. 3	2.3004 x .752	2.4502 x .752	
		No. 4	2.3004 x .752	2.4502 x .752	
		No. 5	2.3004 x .752	2.4508 x 1.180	
		No. 6	2.3004 x .752	None	
		No. 7	2.3004 x .760	None	
Dir. & amt. cyl. offset	None				
No. bolts/main brg. cap	14 bolts/7 caps	10 bolts/5 caps	16 bolts/5 caps		
Crankpin journal diameter	1.999 x 2.000	2.099 - 2.100			

Engine—Camshaft

Location	(b)	In block above crankshaft	
Material	Cast alloy iron		
Bearings	Material	Steel backed babbitt	
	Number	4	
Type of Drive	Gear or chain	Gear	
	Crankshaft gear or sprocket material	Steel	
	Camshaft gear or sprocket material	(c)	
	Timing chain	No. of links	None
		Width	None
Pitch		None	

(a) No. 1 - .0008 - .0020

No. 2, 3 & 4 - .0011 - .0023

No. 5 .0017 - .0033

(b) Above and to right of crankshaft

(c) Bakelite and fabric composition with steel hub

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (•)

Engine Displacement

L6-250 C.I.		V8-350 C.I.			
'A'	'B'	L65	LM1	L48	Z28

Engine—Valve System

Hydraulic lifters (Std., opt., NA)		Standard				
Valve rotator, type (intake, exhaust)		None		Exhaust		
Rocker ratio		1.75:1		1.50:1		
Operating tappet clearance (indicate hot or cold)	Intake	Zero				
	Exhaust	Zero				
Timing (based on top of ramp points)	Intake	Opens (*BTC)	16°	16°	28° (44°)	52°
		Closes (*ABC)	48°	48°	72° (96°)	114°
		Duration (deg.)	244°	244°	280° (320°)	346°
	Exhaust	Opens (*BBC)	64°	46°30'	78° (88°)	98°
		Closes (*ATC)	50°	17°30'	30° (66°)	62°
		Duration (deg.)	294°	244°	288° (334°)	340°
Valve open overlap (deg.)		66°	35°30'	58° (110°)	114°	
Material		Alloy steel, aluminized face on L6-250				
Overall length		4.902 - 4.922		4.870 - 4.889		
Actual overall head dia.		1.715 - 1.725		1.935 - 1.945	2.017 - 2.023	
Angle of seat & face (deg.)		46° seat; 45° face				
Seat insert material		None				
Stem diameter		.3410 - .3417				
Stem to guide clearance		.0010 - .0027				
Intake	Lift (@ zero lash)		.3880	.3880	.3900 (.4006)	.4500
	Outer spring press. & length	Valve closed (lb. @ in.)	50-64 @ 1.66		76-84 @ 1.70	
		Valve open (lb. @ in.)	180-192 @ 1.27		194-206 @ 1.25	
	Inner spring press. & length	Valve closed (lb. @ in.)	None		Spring damper	
		Valve open (lb. @ in.)	None		Spring damper	
	Material		High alloy steel aluminized face			
Overall length		4.913 - 4.933		4.891 - 4.910		
Actual overall head dia.		1.495 - 1.505		1.595 - 1.605		
Angle of seat & face (deg.)		46° seat 45° face				
Seat insert material		None				
Stem diameter		.3410 - .3417				
Stem to guide clearance		.0010 - .0027				
Exhaust	Lift (@ zero lash)		.4051	.3880	.4100 (.4100)	.4600
	Outer spring press. & length	Valve closed (lb. @ in.)	56-64 @ 1.66		76-84 @ 1.61	76-84 @ 1.70
		Valve open (lb. @ in.)	180-192 @ 1.27		194-206 @ 1.16	194-206 @ 1.25
	Inner spring press. & length	Valve closed (lb. @ in.)	None		Spring damper	
		Valve open (lb. @ in.)	None		Spring damper	

Note: Data bracketed () pertains to engines used in California

A- Data pertains to engines with manual transmission - all states and with automatic transmissions in California only

B- Data pertains to engines with automatic transmissions all states except California.

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (•) _____

Engine Displacement

L6-250 C.I. L22	V8-350 C.I.			
	L65	LM1	L48	Z28

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	Nozzle	Centrifugally oiled from crankshaft bearings	
	Cylinder walls	Splash	Pressure jet cross sprayed	
	Oil pump type	Gear		
Normal oil pressure (lb. @ engine rpm)	36-41 @ 2000 RPM	32-40 @ 2000 RPM		
Oil press. sending unit (elect. or mech.)	Electric			
Type oil intake (floating, stationary)	Stationary			
Oil filter system (full flow, part., other)	Full flow			
Filter replacement (element, complete)	Complete			
Capacity of c.case. less filter-refill (qt.)	4			
Oil grade recommended (SAE viscosity and temperature range)	20°F and above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50 0° to 60°F - 10W, 5W-30, 10W-30, 10W-40 Below 20°F - 5W-20, 5W-30			
Engine service reqmt. (SD, SE, etc.)	SE			

Engine — Exhaust system

Type (single, single with cross-over, dual, other)	Single	Single with crossover	Dual exhaust with single muffler
Muffler No. & type (reverse flow, straight thru, separate resonator)	One, reverse flow		
Exhaust pipe dia. (O.D., wall thick.)	Branch	None	2.00 x .082 (a)
	Main	2.00 x .064	2.00 x .082 (a)
Tail pipe dia. (O.D. & wall thickness)	2.00 x .069	2.25 x .061	2.00 x .069

MVMA Specifications Form Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●) _____

Engine Displacement				
L6-250 C.I. L22	L65	LM1	L48	Z28
V8-350 C.I.				

Engine — Fuel System

(See supplemental page for Details of Fuel Injection, Supercharger, etc. if used)

Induction type: Carburetor, fuel injection, supercharger.		Carburetor			
Fuel Tank	Refill capacity (U. S. gals.)	21 approximately			
	Filler location	Behind hinged rear license plate			
Fuel Pump	Type (elec. or mech.)	Mechanical			
	Locations	Lower, right front of engine			
	Pressure range (a)	4.00-5.00	7.50 - 9.00		
Vacuum booster (std., optional, none)		None			
Fuel Filter	Type	Fine mesh plastic strainer in gasoline tank and paper filter in carburetor inlet			
	Locations				
Carburetor	Choke type	Automatic			
	Intake manifold heat control (exhaust or water)	Exhaust			
	Air cleaner type	Standard	Thermostatically controlled; oil wetted paper element		
		Optional	---		
	Idle speed (spec. neutral or drive)	Manual	850	900	900
Automatic		600	600	700	
Idle A F mix.		Not specified			

Carburetor Supplementary Information

Model Usage	Engine Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
1FQ87	250 L22	Manual	Rochester	7044017	One; 1-bbl	1.69
		Automatic		7044014 (7044314)		
1FQ87 1FS87	350 L65	Manual	Rochester	7044111	One; 2-bbl	1.69
		Automatic		7044112		
	350 LM1	Manual	Rochester	7044503 (7044502)	One; 4-bbl	1.38 Prim. 2.25 Sec.
		Automatic				
350 L48	Manual	Rochester	(7044203) (7044503)	One; 4-bbl	1.38 Prim. 2.25 Sec.	
	Automatic		7044202 (7044502)			
350 Z28	Manual	Rochester	7044209	One; 4-bbl	1.38 Prim. 2.25 Sec.	
	Automatic		7044208			

Note: Data bracketed () pertains to engine application specific to California
 (a) 1800 RPM at pump outlet

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●) 1/74

Engine Displacement

L6-250 C.I.		V8-350 C.I.			
L22	L65	LM1	L48	Z28	

Engine — Cooling System

Type system (pressure, pressure vented, atmospheric, other)	Pressure vented thru coolant recovery system					
Radiator cap relief valve pressure	15 + 1 PSI					
Circulation thermostat	Type (choke, bypass)	Choke				
	Starts to open at (°F)	192° - 198°		177° - 183°		
Water pump	Type (centrifugal, other)	Centrifugal				
	GPM 2000 pump rpm	21.0	22.7			
	Number of pumps	One				
	Drive (V-belt, other)	V-belt				
	Bearing type	Permanently lubricated double row ball				
By-pass recirculation type (inter., ext.)	Internal					
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)	Tube and center					
Cooling system capacity	With heater (qt.)	14	18			
	Without heater (qt.)	-	-			
	Opt. equipment-specify (qt.)	14	18			
Water jackets full length of cyl. (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	None			
Fan	Number of blades & spacing	4-staggered		7-staggered		
	Diameter	17.62	18.00	18.00		
	Ratio-fan to crankshaft rev.	1.165:1	.949:1	.949:1		
	Fan cutout type	None		Flex-blade		
	Bearing type	Double row ball				
Drive belts (indicate belt used by letter)	Fan	A	D	D	G	H
	Generator or alternator	A	D	D*	G	H
	Water Pump	A	D	D*	G	H
	Power Steering	B	E	E		I
	Air Conditioning		F	F		F
	Air injection	C*	D	D*		H

* Used with engine/mn! trans-all states and engine auto/trans - California

*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	38°-42°										
Nominal length (SAE)	38.00	48.50	37.50	47.50	36.00	55.00	44.50	46.50	35.00		
Width	.380										

**MVMA Specifications Form
Passenger Car**

Car Line CAMARO
Model Year 1974 Issued 9-73 Revised (●) _____

Engine Displacement

L6-250 mn'l trans V8-350 L48 mn'l trans V8-350 L65&Z28	L6-250&V8-350 IM1 V8-350 L48&Z28	L6-250 auto trans V8-350 L48 auto tr. All States
All states except California	California only	except California

Vehicle Emission Control

Type (Air injection, engine modifications, other)		Air Injection	Engine modification
Air Injection Pump	Type	Semi-articulated vane type	
	Displacement	19.3 cubic inch	
	Drive ratio	1.15:1; 1.17:1 (Z28)	
	Drive type	Crankshaft pulley	
	Relief valve (type)	Diverter valve	
Filter (describe)		Centrifugal air cleaner	
Air Injection System	Air distribution (head, manifold, etc.)	Manifold	
	Point of entry	Head (L6); Exhaust ports (V8)	
	Injection tube i.d.	.2700	
	Check valve type	Pressure plate type	
	Backfire protection (type)	Diverter valve	
Exhaust Emission Control Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow	
	Valve type	Vacuum modulated shut off and metering valve	
	Valve location	L6-250 left front & V8-350 right rear of inlet manifold	
	Control energy source	Carburetor vacuum	
	Exhaust source	Manifold heat passage L6; Manifold exhaust crossover V-8	
	Exhaust cooler type	None	
	Orifice no. and size	One; .030	
Other	Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold	
	Carburetor	Thermostatically controlled air cleaner regulator	
	Heated Air	and mixes heated air with incoming cold air to reduce hydrocarbon emission	
	Transmission controlled spark (with manual transmission)	Regulates vacuum to distributor vacuum advance to reduce hydrocarbon and oxides of nitrogen emissions in low and intermediate speed ranges.	
Type (ventilates to atmos. induction system, other)		Standard	Induction system
		Optional	--
Crankcase Emission Control Control Unit	Make and model	AC Spark Plug - 6487935 (L6) - 6487778 (V8)	
	Location	Rocker cover top rear L6 and left front V8	
	Energy source (manifold vacuum, carburetor, other)	Manifold vacuum	
	Control method (variable orifice, fixed orifice, other)	Variable orifice	
Complete System	Discharges (to intake manifold, other)	Intake manifold	
	Air inlet (breather cap, other)	Carburetor air cleaner	
	Flame arrestor (screen, other)	Screen	

Engine Displacement		
L6-250 mn'l trns V8-350 L48 mn'l trns V8-350 L65 & Z28 All States	L6-250 & V8-350 LM1 V8-350 L48 & Z28 California only	L6-250 auto trns. V8-350 L48 auto trns. All States except California

Vehicle Emission Control (Continued) exc. Cal.

Evaporative Emission Control	Fuel Tank	Thermal expansion volume (cu. ft.)	Approximately 10% of refill capacity
		Pressure relief location (lbs.)	1.1 PSI
		Vacuum relief location (lbs.)	.7 PSI
		Vapor-liquid separator type	Integral with fuel tank
		Vapor vented to (crankcase, cannister, other)	Canister ---
	Carbu- retor	Vapor vented to (crankcase, cannister, other)	Internally vented ---
		Storage provision (crankcase, cannister, other)	Canister ---
	Vapor Storage	Volume (cu. ft.) or capacity (grams)	Approximately 50 grams storage capacity
		Control valve type	L-6 Staged purge valve controlled by throttle position V8-Controlled by orifices and carburetor throttle body and throttle blade position.

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Passenger Car

Car Line CAMARO
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Engine Displacement

L6-250 C.I.	V8-350 C.I.
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Electrical — Supply System

Battery	Make and Model		Delco-Remy 1980199	1980200
	Voltage Rtg. & Total Plates		12 volts - 54 plates	12 volts - 66 plates
	Cranking Power		2300 watts @ 0°F	2900 watts @ 0°F
	Location		Right side of engine compartment	
	Terminal grounded		Negative	
Generator or Alternator	Make		Delco Remy	
	Model		1100497	1100934
	Type and rating		Diode rectified - 37 amps	
	Output at engine idle (neutral)		12-20 amps	
	Ratio—Gen. to Cr/s rev.		2.73:1	
Regulator	Make		Delco Remy	
	Model		--	
	Type		Micro circuit unit, integral with alternator	
	Cutout relay	Closing voltage @ generator rpm	None	
		Reverse current to open	None	
	Regulated	Voltage	13.8 - 14.8 @ 85°F	
		Current	---	
	Voltage test conditions	Temperature	Operating	
		Load	3-8 amperes	
		Other	None	

Electrical — Starting System

Starting Motor	Make		Delco Remy		
	Model		1108365	1108418	
	Rotation (drive end view)		Clockwise		
Motor Drive	Engagement type		Positive shift solenoid		
	Pinion meshes (front, rear)		Rear		
	Number of teeth	Pinion		9	
		Flywheel	Manual	153	
			Auto.	153	
	Flywheel tooth face width	Manual	.4010 - .4130		
Auto.		.4010 - .3130			

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (●) _____

Engine Displacement

L6-250 L22	V8-350 C.I.		
	L65	LM1	L48
			Z28

Electrical—Ignition System

Type	Conventional - Std., Opt., N.A.		Standard	
	Transistorized - Std., Opt., N. A.		Not available	
	Other (specify)		None	
Coil	Make		Delco-Remy	
	Model		1115208	1115293
	Amps	Engine stopped	4.0	
		Engine idling	1.8	
Spark Plug	Make		AC Spark Plug	
	Model		ACR46T	ACR44T
	Thread (mm)		14	
	Tightening torque (lb. ft.)		15	
	Gap		.033-.038	
Cable	Conductor type		Linen core impregnated with electrical conducting matl	
	Insulation type		Rubber with Neoprene jacket	
	Spark plug protector		Neoprene	

Electrical—Suppression

Locations & type	Non-metallic high tension ignition cables
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Electrical—Instruments and Equipment

Speed-ometer	Type	Dial, with pointer
	Trip odometer (std. opt., N. A.)	No
Charge indicator - type		Tell-tale
Temperature indicator - type		Tell-tale
Oil pressure indicator - type		Tell-tale
Fuel indicator - type		Electric gauge
Wind-shield wiper	Type - Standard	Electric, two-speed
	Type - Optional	None
Wind-shield washer	Type - Standard	Push button
	Type - Optional	None
Horn	Type	Vibrator
	Number used	One (low note)
	Amp draw (each)	4.5 - 6.5 @ 12.5 V
Other	Parking brake warning light, brake failure warning light, Restraint system warning light and buzzer.	

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Passenger Car

Car Line **CAMARO**
 Model Year **1974** Issued **9-73** Revised (●) _____

Engine Displacement

L6-250 C.I. L22	V8-350 C.I. L65 & LM1	L48	Z28
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Drive Units—Clutch (Manual Transmission)

Make & type	Chevrolet Single dry disc	Chevrolet, single dry disc centrifugal		
Type pressure plate springs	Diaphragm	Diaphragm, bent finger design		
Total spring load (lb.)	1650-1900	2100-2300	2450-2750	
No. of clutch driven discs	One			
Clutch facing	Material	Woven type asbestos		
	Outside & inside dia.	9.12 x 6.12	10x34 x 6.50	11.0 x 6.50
	Total eff. area (sq. in.)	71.82	101.54	123.70
	Thickness	.135		
	Engagement cushioning method	Flat spring steel between facings		
Release bearing	Type & method of lubrication	Simple row ball, packed and sealed		
Torsional damping	Methods: springs, friction material	Coil springs		

Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	Standard	Not available
Manual 4-speed (std., opt., N.A.)	N.A.	Optional Standard
Automatic (std., opt., N.A.)	Optional	

Drive Units — Manual Trans.

Number of forward speeds	3	3	4	3	4	4	4		
Transmission ratios	In first	2.85	2.54	2.54	2.54	2.54	2.52	2.20	
	In second	1.68	1.50	1.80	1.50	1.80	1.88	1.64	
	In third	1.00	1.00	1.44	1.00	1.44	1.46	1.27	
	In fourth			1.00		1.00	1.00	1.00	
	In reverse	2.95	2.63	2.54	2.63	2.54	2.59	2.26	
Synchronous meshing, specify gears	All forward gears								
Shift lever location	Floor Mounted 3 or 4-speed								
Lubricant	Capacity (pt.)	3							
	Type recommended	Meeting Military Specs MIL-L-2105B							
	SAE viscosity number	Summer	SAE 80						
		Winter	SAE 80						
Extreme cold		SAE 80							

MVMA Specifications Form

Passenger Car

Car Line CAMARO
 Model Year 1974 Issued 9-73 Revised (•)

Engine Displacement

L6-250 Cu. In. V8-350 Cu. In. (RPO-LM1/L65/L48)	V8-350 Cu. In. RPO Z28
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Drive Units—Automatic Transmission

Trade name	Turbo Hydra-matic		
Type (describe)	3-Speed Torque Converter		
Selector location	Steering column; floor mounted when used with optional floor console		
Gear Ratios	P	Park	Park
	R	1.94	2.08
	N	Neutral	Neutral
	D	2.52 - 1.52 - 1.00	2.48 - 1.48 - 1.00
	L2	2.52 - 1.52	2.48 - 1.48
	L1	2.52	2.48
Max. upshift speed - drive range			
Max. kickdown speed - drive range			
Torque converter	Number of elements	3	
	Max. ratio at stall	2.00	2.10
	Type of cooling (air, liquid)	Water	
	Nominal diameter	11.75	12.20
Lubricant	Capacity - refill (pt.)	8	9
	Type recommended	A suffix A	
Special transmission features			

Drive Units—Axle

Type (front, rear)	Rear			
Description	Semi-floating axle shaft overhung drive pinion and ring gear			
Limited Slip differential, type	Dual disc clutches			
Drive Pinion Offset	1.75 vertical			
No. of differential pinions	Two			
Pinion adjustment (shim, other)	Shims			
Pinion bearing adj. (shim, other)	Collapsible sleeve			
Wheel bearing type	Direct or single row cylindrical roller			
Lubricant	Capacity (pt.)	4.25		
	Type recommended	Open Diff. Meeting Military Specs. MIL-L-2105B		
	SAE viscosity number	Summer	SAE 80	
		Winter	SAE 80	
		Extreme cold	SAE 80	

Axle Ratio Tooth Combinations (See page 4 for axle ratio usage)

Axle ratio	2.73	3.08	3.42	3.73	
No. of teeth	Pinion	15	13	12	11
	Ring gear	41	40	41	41
Ring Gear O. D.	8.50				

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Car Line CAMARO
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Engine Displacement

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Drive Units—Propeller Shaft

Number used		One
Type (straight tube, tube-in-tube, internal-external damper, etc.)		Straight tube
Outer diam. x length* x wall thickness	Manual 3-speed trans.	2.75 x 48.55 x .065
	Manual 4-speed trans.	2.75 x 48.10 x 0.65
	Automatic transmission	Same as 4-speed
Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	--
Slip Yoke	Type	Yoke
	Number of teeth	27 except Z28 engine - 32
	Spline O. D.	1.502
Universal joints	Make and Mfg. No.	Chevrolet 1285 & 1315
	Number used	Two
	Type (ball and trunnion, cross)	Cross
	Rear attach. (u-bolt, clamp, etc.)	Strap and bolt
	Bearing	Type (plain, anti-friction)
Lubric. (fitting, prepack)		Pre-pack
Drive taken through (torque tube or arms, springs)		Springs
Torque taken through (torque tube or arms, springs)		Springs

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

MVMA Specifications Form

Passenger Car

Car Line **CAMARO**
 Model Year **1974** Issued **9-73** Revised (•)

Body Type And/Or Engine Displacement, Etc.

Standard 1FQ87	Type LT 1FS87	Z28
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Drive Units — Tires And Wheels (Standard)

		E78x14B (2+2)	E78 x 14B	F60 x 15 B (2+2)	
TIRES	Size, load range, ply	E78x14B (2+2)	E78 x 14B	F60 x 15 B (2+2)	
	Type (bias, radial, etc.)	Bias belted		Bias belted	
	Maximum load inflation pressure (cold)	Front (a)	28	28	28
		Rear (a)	28	28	28
Rev./mile @ 45 mph		796	796	801	
WHEELS	Type & material	Short spoke disc steel			
	Rim (size & flange type)	14 x 6	14 x 6 Rally	15 x 7 Trans Am	
	Attachment	Type (bolt or stud)	Stud		
		Circle diameter	4.75		
		Number & size	5 hex nuts 7/16-20 UNF-2B		
	Spare wheel (same or other)		Same; Space saver spare tire optional		

Drive Units — Tires And Wheels (Optional)

Size, load range, ply		F70x14B (2+2)	--
Type (bias, radial, etc.)		Bias belted	
Wheel type & material		Rally - steel (b)	--
Rim (size & flange type)		14 x 6 or 14 x 7	--
Size, load range, ply		FR78 x 14B	
Type (bias, radial, etc.)		Steel belted radial	
Wheel type & material		Turbine type (b)	
Rim (size & flange type)		14 x 7	
Size, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size & flange type)			
Size, load range, ply			
Type (bias, radial, etc.)			
Wheel type & material			
Rim (size & flange type)			

Brakes — Parking

Type of control	Foot Pedal Apply, "T" Handle Release		
Location of control	Left of steering column under instrument panel		
Operates on	Rear service brakes		
If separate from service brakes	Type (internal or external)	--	
	Drum diameter	--	
	Lining size (length x width x thickness)	--	

(a) Full rated pressures shown, selected tire pressures are contingent on weight of vehicles.

(b) Also available with all tire applications except F60x15B

Body Type And/Or Engine Displacement

--

Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	--	
		Rear	Standard	
	Disc	Front	Standard	
		Rear	--	
Self adjusting (std., opt., N.A.)			Standard	
Special Valving	Type (proportion, delay, metering, other)		Metering and proportioning	
Power Brake (std., opt., N.A.)			Optional	
Booster Type (remote, integral, etc.)			Integral	
Effective area (sq. in.)*			101.9	
Gross lining area (sq. in.)**			116.5	
Swept area (sq. in.)***			337.3	
Effectiveness	Front		Controlled by valving	
	Rear		Controlled by valving	
Drum	Diameter (nominal)	Front	--	
		Rear	9.5	
	Type and material		Composite, cast iron rim, steel web	
Rotor	Outer working diameter		11.0	
	Inner working diameter		7.12	
	Thickness		1.03	
	Material & type (vented/solid)		Cast iron vented	
Wheel cylinder bore	Front		2.9375	
	Rear		0.875	
Master Cylinder	Bore		1.00	
	Stroke		Manual 1.416; Power 1.342	
Pedal arc ratio			Manual 5.36:1; Power 3.52:1	
Line pressure at 100 lb. pedal load				
Shoe Clearance	Front		Self adjusting	
	Rear		Self adjusting	
Anti-skid device type (std., opt., N.A.)			N.A.	
Brake lining	Bonded or riveted		Disc-riveted; Drum-bonded	
	Front Wheel	Material		Molded asbestos
		Size (length x width x thickness)	Prim. or out-board	5.40 x 1.92 x 0.465
			Second. or in-board	5.40 x 1.92 x 0.465
		Segments per shoe		One
	Rear Wheel	Material		Molded asbestos
		Size (length x width x thickness)	Prim. or out-board	9.01 x 2.0 x 0.20
			Second. or in-board	9.75 x 2.0 x 0.20
		Segments per shoe		One

* Excludes rivet holes, grooves, chamfers, etc.

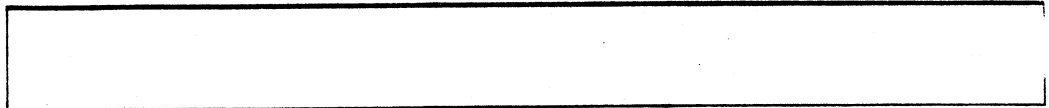
** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for four brakes (Widest lining contact width for each brake x its contact circumference.)

MVMA Specifications Form

Passenger Car

Car Line CAMARO
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Steering

Manual (std., opt., NA)		Standard on 1FQ87 model, energy absorbing steering column		
Power (std., opt., NA)		Standard with V-8 engine models; optional with L6		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt: universally jointed steering shaft at base of steering wheel; 5 inch vertical travel range		
	(std., opt., NA)	Optional		
Wheel diameter	Manual	4-spoke splayed (14.25 x 14.75)		
	Power	Same as manual		
Turning diameter (feet)	Outside front	Wall to wall (l. & r.)	Manual 40.2 Power 40.7	
		Curb to curb (l. & r.)	Manual 38.0 Power 38.5	
	Inside rear	Wall to wall (l. & r.)	---	
		Curb to curb (l. & r.)	---	
Manual	Gear	Type	Semi-reversible, recirculating ball stud	
		Make	Saginaw Steering	
	Ratios	Gear	28.0:1 (base), 24.0:1 (Z28)	
		Overall	33.0:1 (base) 28.3:1 (Z28)	
No. wheel turns (stop to stop)		6.27		
Power	Type (coaxial, linkage, etc.)		Integral gear and power piston with vane type pump	
	Make		Saginaw Steering	
	Gear	Type	Same as manual	
		Ratios	Gear	16.0:1 on center to 13.0:1
			Overall	15.0:1 on center to 11.3:1
	Pump driven by		Crankshaft pulley	
No. wheel turns (stop to stop)		2.41		
Linkage	Type		Parallelogram	
	Location (front or rear of wheels, other)		Front	
	Drag link (trans. or longit.)		None	
	Tie rods (one or two)		Two	
Steering Axis	Inclination at camber (deg.)		10.35 @ 1°	
	Bearings (type)	Upper	Ball stud with non-metallic bearings	
		Lower	Ball stud with non-metallic and sintered iron bearings	
		Thrust	None	
Whl. Align. (range at curb wt. & preferred)	Caster (deg.)		Base N1 to P1; Z28 N2 to 0	
	Camber (deg.)		Base P 1/4 to P1-3/4; Z28 N1-1/2 to 0	
	Toe-in (outside track inches)		1/16 to 5/16	
Steering spindle & joint type		Steering knuckle with spherical joints		
Wheel Spindle	Diameter	Inner bearing	1.2493- 1.2498	
		Outer bearing	.7492 - .7498	
	Thread size		3/4-20 UNEF-3A (modified)	
	Bearing type		Taper roller	

MVMA Specifications Form

Passenger Car

Car Line CAMARO
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Body Type And/Or Engine Displacement

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Suspension — General

(See Supplement page for details on Air Suspension)

Provision for car leveling	Front stabilizer bar	
Provision for brake dip control	Front suspension geometry	
Provision for acc. squat control	Rear suspension geometry	
Special provisions for car jacking	Slots in outboard portion of front & rear bumper face bars	
Shock absorber front & rear	Type	Direct double acting hydraulic
	Make	Delco
	Piston dia.	1.00
Other special features		

Suspension — Front

Type and description	Independent SLA type with coil springs	
Travel	Full Jounce	3.05
	Full Rebound	Coil 3.85
Spring	Type (coil, leaf, other)	Coil
	Material	Steel alloy
	Size (coil design height & I.D., bar length x dia.)	11.0 x 4.05; 116.14 x .617 (a)
	Spring rate (lb. per in.)	300 (a)
	Rate at wheel (lb. per in.)	101 (a)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	HR steel; Base 15/16"

Suspension — Rear

Type and description	Salisbury rear axle with multiple leaf springs	
Drive and torque taken through	Rear springs	
Travel	Full Jounce	
	Full Rebound	
Spring	Type (coil, leaf, other)	Multiple leaf
	Material	Chrome carbon steel
	Size (length x width, coil design height & I.D., bar length & dia.)	56.0 x 2.50 (a)
	Spring rate (lb. per in.)	89 (a)
	Rate at wheel (lb. per in.)	99 (a)
	Mounting insulation type	Rubber bushed at shackle and hanger
If leaf	No. of leaves	Five
	Shackle (comp. or tens.)	Compression
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel - .562 (V-8 engines only)
Track bar type	None	

(a) For base equipped model. Springs for all models computer selected by size and rate according to vehicle weight including optional equipment.

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Body Type

2-Door Sport Coupe

Frame

Type and description (Separate frame, unitized frame, partially - unitized frame)

Body-frame integral with separate partial frame

Body — Miscellaneous Information

Drs. hinged (front, rr.):	Front doors	Front
	Rear doors	None
Type of finish (lacquer, enamel, other)		Acrylic lacquer
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle Ident. No. location		Top left hand of instrument panel pad
Engine No. location		Top front of RH bank of cylinder case
Theft protection - type		Lock mounted on steering column; locks steering wheel, transmission shift lever and ignition
Vent window control method (crank, friction pivot)	Front	None
	Rear	None
Seat cushion type	Front	Formed foam pad
	Rear	Formed foam pad
	3rd seat	--
Seat back type	Front	Formed foam pad
	Rear	Formed foam pad
	3rd seat	--
Windshield glass type (i.e., single curved - laminated plate)		Single curved, laminated plate
Side glass type (i.e., curved - tempered plate)		Curved, tempered plate
Backlight glass type (i.e., compound curved - tempered plate, three piece)		Single curved, tempered plate
Windshield glass exposed surface area		1137.6
Side glass exposed surface area		1089.4
Backlight glass exposed surface area		1099.2
Total glass exposed surface area		3326.2

MVMA Specifications Form
Passenger Car

Car Line CAMARO
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Body Type

2-Door Sport Coupe

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	NA
	Backlight or tailgate	NA
Power seats (specify type as well as availability)		NA
Reclining front seat back (R-L or both)		NA
Radios (specify type as well as availability)		Optional - AM Push-button, AM-FM Push-button AM-FM Stereophonic
Rear seat speaker		Optional
Power antenna		NA
Clock		Standard 1FS87 - Optional 1FQ87
Air conditioner (specify type and availability)		Available with V8 engine models only Optional-Four season, manual control
Speed warning device		NA
Speed control device		NA
Ignition lock lamp		NA
Dome lamp		Standard
Glove compartment lamp		Standard 1FS87 - Optional 1FQ87
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Optional
Map lamp		NA
Cornering light lamp		NA
Rear window defroster electrically heated		NA
Rear window defogger		Optional
Windshield Antenna		Available with factory installed radio, and with tinted windshield glass

Lamp Height And Spacing*

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	26.02
		Lowest	--
	Tail (H126)	Highest	22.99
		Lowest	--
	Sidemarker	Front	23.92
Rear		21.97	
Distance from C.L. of car to center of bulb	Headlamp	Inside	--
		Outside**	27.78
	Tail	Inside	--
		Outside	36.43
	Directional	Front	19.58
		Rear	36.43

*Measured with passenger load and trunk cargo load specified in Car and Body Dimension section.

**If single headlamps are used enter here.

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Passenger Car

Car Line CAMARO
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Body Type

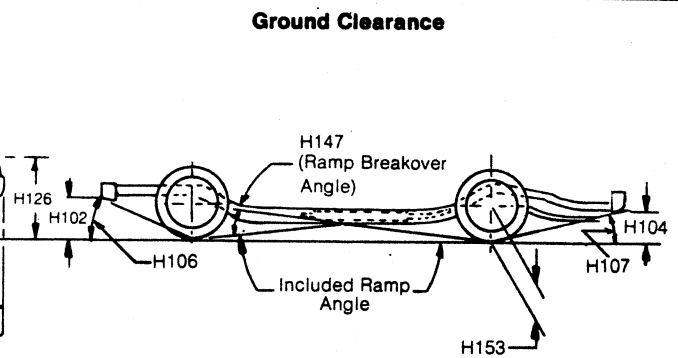
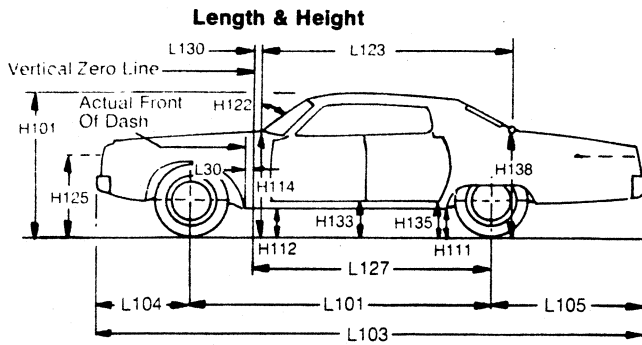
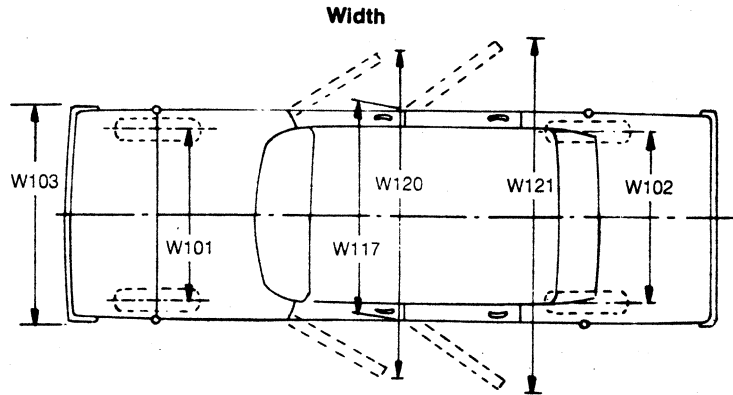
Vehicle Fiducial Marks

Fiducial Mark Number *	Define Coordinate Location			
Front	X -	Fiducial Mark to Centerline of Car - Front, Width measurement made from centerline of car to fiducial mark located on top of the front seat adjuster mounting bolt.		
	Y -	Fiducial Mark to Vertical Body Zero Line - Front, Measured horizontally from the body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.		
	Z -	Fiducial Mark to Horizontal Body Zero Line - Front, Measured vertically from body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.		
Rear	X -	Fiducial Mark to Centerline of Car - Rear, Width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar.		
	Y -	Fiducial Mark to Vertical Body Zero Line - Rear, Measured horizontally from body zero line to the rear fiducial mark located on rear underbody crossbar.		
	Z -	Fiducial Mark to Horizontal Body Zero Line - Rear, Measured vertically from body zero line to the rear fiducial mark located on the rear underbody crossbar.		
Fiducial Mark Number	Coordinate Location of Fiducial Mark			Fiducial Mark to Ground at Design
Front	X	Y	Z	Standard Coupe 9.46
	21.26	27.63	5.04	Type LT Coupe 9.43
Rear	X	Y	Z	Standard Coupe 12.37
	23.20	121.32	9.35	Type LT Coupe 12.33

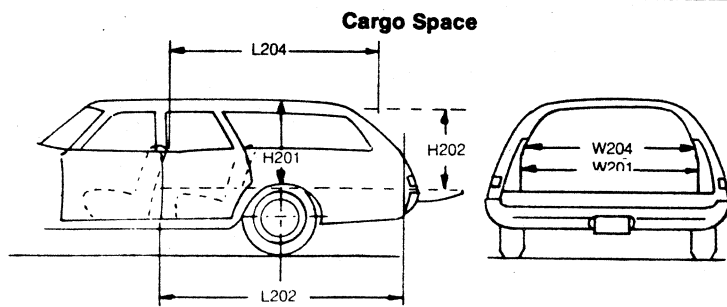
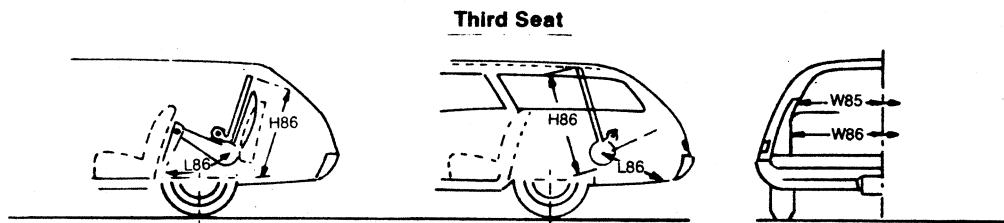
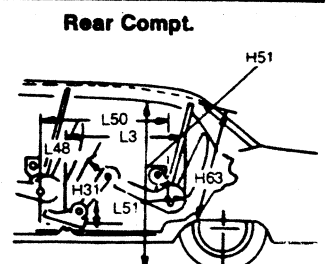
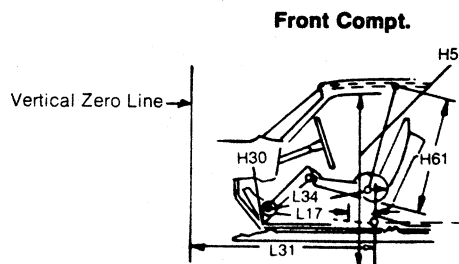
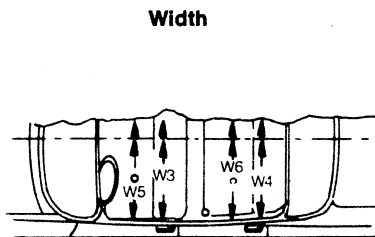
* Reference — SAE Recommended Practice, J182

MVMA Specifications Form Passenger Car

Exterior Car And Body Dimensions — Key Sheet



Interior Car And Body Dimensions — Key Sheet



MVMA Specifications Form

Passenger Car

Exterior Car And Body Dimensions — Key Sheet

Dimension Definitions

Width Dimensions

- W101 WHEEL TREAD — FRONT. Measured at centerline of tires, with nominal camber, at ground.
- W102 WHEEL TREAD — REAR. Measured at centerline of tires at ground.
- W103 MAXIMUM OVERALL CAR WIDTH. Include bumpers, moldings, or sheet metal protrusions. Measured to outside of metal.
- W117 MAXIMUM BODY WIDTH AT NO. 2 PILLAR. Measured across body at No. 2 pillar, excluding hardware and applied moldings.
- W120 MAXIMUM OVERALL CAR WIDTH, FRONT DOORS OPEN is measured to outside of sheet metal with front doors in maximum hold-open position.
- W121 MAXIMUM OVERALL CAR WIDTH, REAR DOORS OPEN is measured in same manner as W120.

Length Dimensions

- L30 VERTICAL ZERO LINE TO ACTUAL FRONT OF DASH. If actual Front of Dash is to the rear of Body Zero Line, it is identified by a minus (—) sign.
- L101 WHEELBASE.
- L103 OVERALL LENGTH. Include bumper guards if standard equipment.
- L104 OVERHANG — FRONT. Measured from C/L of front wheels to front of car, including bumper guards if standard equipment.
- L105 OVERHANG — REAR. Measured from C/L of rear wheels to rear of car, including bumper guards if standard equipment.
- L123 BODY UPPER STRUCTURE LENGTH AT CAR CENTERLINE. The horizontal dimension from the Cowl Point to the Deck Point.
- L127 VERTICAL ZERO LINE TO CENTERLINE OF REAR WHEELS. A horizontal dimension.
- L130 VERTICAL ZERO LINE TO WINDSHIELD COWL POINT. The horizontal dimension from the vertical zero line to the theoretical intersection of extended windshield glass plane and normal cowl surface.

Height Dimensions

- H101 OVERALL HEIGHT — DESIGN. Measured with the vehicle in Manufacturer's Design Weight attitude.
- H114 COWL POINT TO GROUND. Measured at vehicle centerline.
- H138 DECK POINT TO GROUND. Measured at vehicle centerline.

- H112 ROCKER PANEL TO GROUND — FRONT. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at foremost point of rocker panel.
- H133 BOTTOM OF DOOR TO GROUND, CLOSED — FRONT is the same point on the door as H132 dimension, with door closed.
- H111 ROCKER PANEL TO GROUND — REAR. The vertical dimension from ground to bottom of rocker panel, excluding flanges. Measured to the outside of sheet metal at front of rear wheel opening.
- H135 BOTTOM OF DOOR TO GROUND, CLOSED — REAR is measured in same manner as H133.
- H122 WINDSHIELD SLOPE ANGLE. The angle between a vertical line and the windshield surface at car centerline. On compound-curved windshields the chord of the arc is used and limited to that section of the windshield comprehended by an 18-inch chord.
- H125 HEADLAMP CENTERLINE TO GROUND is measured vertically to the center of the upper lamp.
- H126 TAILLAMP CENTERLINE is measured vertically from ground to the centerline of the upper bulb.

Ground Clearance Dimensions

- H102 BUMPER TO GROUND — FRONT. Minimum dimension, includes bumper guards.
- H104 BUMPER TO GROUND — REAR. Minimum dimension, includes bumper guards.
- H106 ANGLE OF APPROACH. The angle between ground and a line tangent to the front tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H107 ANGLE OF DEPARTURE. The angle between ground and a line tangent to the rear tire static loaded radius arc and the first point of interference, i.e., bumper, guard, gravel deflector, tail pipe, fender or other component, excluding license plate. This dimension may be determined graphically for reporting purposes.
- H147 RAMP BREAKOVER ANGLE. The supplement of included ramp angle (180° minus included ramp angle) over which car can pass without interference; measured with car sitting on a level surface, using lines tangent to arcs of front and rear static loaded radii and intersecting at point on underside of car which defines the smallest angle.
- H153 REAR AXLE DIFFERENTIAL SYSTEM TO GROUND is a minimum clearance.
- H156 MINIMUM RUNNING GROUND CLEARANCE. Location of measurement on the car is to be clearly recorded.