

1977  
CHEVROLET  
CAMARO



## ALPHABETICAL OPTION INDEX

(Not for Ordering Purposes)

<u>Option Number</u>	<u>Description</u>	<u>Option Number</u>	<u>Description</u>
AK1	BELTS, DELUXE: Color-Keyed Seat and Shoulder	N65	STOWAWAY SPARE TIRE
AN6	SEAT BACK, ADJUSTABLE DRIVER'S	PE1	WHEEL TRIM: Wheels, Custom Styled
AU3	DOOR LOCK SYSTEM, POWER	P01	WHEEL TRIM: Wheel Covers, Full
A01	GLASS, SOFT-RAY TINTED: All Windows	QBT	TIRES: FR78-14/B White Lettered (Radial)
A31	WINDOWS: Power	QDV	TIRES: FR78-14/B Blackwall (Radial)
B37	FLOOR COVERING: Mats, Color-Keyed Floor. Front and Rear	QDW	TIRES: FR78-14/B White Stripe (Radial)
B80	MOLDINGS: Roof Drip	QEG	TIRES: E78-14/B Blackwall (Bias Belted)
B84	MOLDINGS: Body Side	QEH	TIRES: E78-14/B White Stripe (Bias Belted)
B93	MOLDINGS: Door Edge Guard	UA1	BATTERY, HEAVY-DUTY
CD4	WINDSHIELD WIPER EQUIPMENT: Intermittent System	UM1	RADIO EQUIPMENT: Stereo Tape System w/AM Radio
C50	DEFOGGER, REAR WINDOW: Forced Air	UM2	RADIO EQUIPMENT: Stereo Tape System w/AM/FM Stereo Radio
C60	AIR CONDITIONING: Four-Season	U05	HORNS, DUAL
D35	MIRRORS: Sport, LH Remote and RH Manual	U14	INSTRUMENTATION: Special
D55	CONSOLE	U35	CLOCK: Electric
D80	SPOILERS: Front and Rear	U58	RADIO EQUIPMENT: AM/FM Stereo Radio
F41	SUSPENSION EQUIPMENT: Suspension, Sport	U63	RADIO EQUIPMENT: AM Radio
G80	AXLE, REAR: Positraction	U69	RADIO EQUIPMENT: AM/FM Radio
G92	AXLE, REAR: Performance Ratio	U76	RADIO EQUIPMENT: Windshield Antenna
J50	BRAKES, POWER	U80	RADIO EQUIPMENT: Speaker, Rear Seat
K30	SPEED CONTROL: Cruise-Master	V01	RADIATOR, HEAVY-DUTY
LG3	ENGINE: 305-2 BBL V8	V30	BUMPER EQUIPMENT: Guards, Bumper. Front and Rear
LM1	ENGINE: 350-4 BBL V8	✓YF5	EMISSION SYSTEMS: California Emission Certification
L22	ENGINE: 250-1 BBL L6	ZJ7	WHEEL TRIM: Wheels, Rally
M15	TRANSMISSION: 3-Speed Manual	ZJ9	LIGHTING, AUXILIARY
M20	TRANSMISSION: 4-Speed Manual	✓ZP2	EXTERIOR/INTERIOR OVERRIDE
M40	TRANSMISSION: Turbo Hydra-matic	Z21	STYLE TRIM GROUP
✓NA2	EMISSION SYSTEMS: Standard Emission Equipment	Z54	INTERIOR DECOR/QUIET SOUND GROUP
✓NA6	EMISSION SYSTEMS: High Altitude Emission Equipment	Z85	RALLY SPORT EQUIPMENT
N33	STEERING WHEEL: Comfortilt		

## VINYL ROOF SELECTION

Vinyl Roof	Code	Exterior Color Availability
Black	BB	Rec: 11, 13, 19, 23, 51, 61, 63 or 73 Acc: 29, 36, 38, 44 or 75
Blue, Light (Met)	DD	Rec: 11, 22 or 30
Buckskin, Light	DU	Rec: 11, 19, 51, 61, 63 or 73 Acc: 36, 38, 44 or 75
Firethorn (Met)	FF	Rec: 36 Acc: 11
Green, Medium (Met)	GG	Rec: 11 or 44
Silver	QQ	Rec: 13 or 19 Acc: 11, 29, 36 or 75
White	WW	Rec: All except 13 Acc: 13

## COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired. **CAUTION:** Please utilize available color samples when ordering, especially when adding a third color element (Vinyl Top, Exterior Color, Interior Trim) in order to avoid undesirable combinations.

### WITHOUT Z85 RALLY SPORT EQUIPMENT

Seat, Headliner and Door Trim Color	Black	Blue	Buck-skin	Buck-skin	Fire-thorn	Fire-thorn	White	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Blue	Saddle	Black	Fire-thorn	Black	Aqua	Black	Blue	Fire-thorn	Saddle

Model Seat Type

1FSB7	Knit Cloth Bucket	PDD2	PUS2	PUB2	PF2	PFB2						
	Vinyl Bucket	VBB2	VDD2	VUS2	VUB2		VWA2	VWB2	VWD2	VWF2	VWS2	

Exterior Paint Color	Color Code												
	L	U											
Aqua (Met)	38	38	A		A	A				R	R		
Black	19	19	R	A	R	R	R	R	R	R			R
Blue, Dark (Met)	29	29	A	R						A	R		
Blue, Light (Met)	22	22	R	R						A	R		
Brown (Met)	69	69			R	R				A			R
Buckskin (Met)	63	63	R		R	R				A			R
Buckskin, Light	61	61	R		R	R	R	R		A			R
Firethorn (Met)	36	36	A		R	R	R	R		A			R
Green, Medium (Met)	44	44	A		A	A				A			R
Orange (Met)	78	78	R		R	R				A			
Red, Light	75	75	A		R	R	R	R		A			R
Silver	13	13	R							R			
Silver	13	13	R							R			
White, Antique	11	11	R	R	R	R	R	R	R	R	R	R	R
Yellow, Bright	51	51	R							R			

L=Lower U=Upper

### WITH Z85 RALLY SPORT EQUIPMENT (Refer Page 6 for Tri-Color Stripe Application)

Exterior Paint Color	Color Code												
	L	U											
Aqua (Met)	38	#18	R							R	R		
Blue, Light (Met)	22	29	A	R						A	R		
Buckskin, Light	61	63	R		R	A				A			R
Firethorn (Met)	36	#18	R				R	R		A			R
Orange (Met)	78	#18	R		R	R				R			R
Red, Light	75	#18	R				R	R		A			R
Silver	13	#18	R							R			
Silver	13	#16	R							R			
White, Antique	11	#18	R	R	R	R	R	R	R	R	R	R	R
Yellow, Bright	51	#18	R							R			A

L=Lower U=Upper

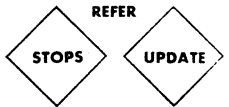
# Medium Gray Metallic (16)  
 † Black Low Gloss (18)

## POWER TEAMS

(Refer to next page for option availability and application)

ENGINE	OPTION CONDITION	AXLE RATIO		
		2.56	2.73	3.08
L22	w/o NA6	-	Std	G92
	w/NA6	-	-	Std
LG3	M15	-	Std	-
	M40	Std	-	-
LM1	M20	-	-	Std
	M40	-	-	-
	w/o NA6	Std	-	G92
	w/NA6	-	-	Std

# CAMARO TYPE LT



Model

1FS87 Camaro Type LT Coupe

## ← COLOR AND TRIM SELECTION

MUST ORDER ONE: \_\_\_\_\_ ENGINES \_\_\_\_\_

ALL EXCEPT CALIFORNIA REGISTRATION (N/A YF5)

Below 4000 Foot Altitude (REQS M42)

- \_\_\_ L22 250-1 BBL L6
- \_\_\_ LG3 305-2 BBL V8 (Reqs J50 Brakes)
- \_\_\_ LM1 350-4 BBL V8 (Reqs J50 Brakes)

Above 4000 Foot (REQS NA6)

- \_\_\_ L22 250-1 BBL L6 (Reqs M40 Trans)
- \_\_\_ LM1 350-4 BBL V8 (Reqs M40 Trans and J50 Brakes)

CALIFORNIA REGISTRATION ONLY (REQS YF5)

- \_\_\_ L22 250-1 BBL L6 (Reqs M40 Trans)
- \_\_\_ LG3 305-2 BBL V8 (Reqs M40 Trans and J50 Brakes)
- \_\_\_ LM1 350-4 BBL V8 (Reqs M40 Trans and J50 Brakes)

QUICK-SPEC

**IF TIRE AND/OR TRANSMISSION IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE AND/OR TRANSMISSION OPTION.**

Transmission, Turbo Hydra-matic	M40	X	X	X	X	X
Brakes, Power	J50	X	X	X	X	X
Console	D55	X	X	X	X	X
Glass, Soft-Ray Tinted	A01	X	X	X	X	X
Air Conditioning, Four-Season	C60	X	X	X	X	X
Radio, AM	U63	X	X	N/INCL		
Tires, FR78-14/B White Stripe	QDW	X	X	X	X	X
Moldings, Body Side	B84	X	X	X	X	X
-----						
Style Trim Group	Z21	X	X	X	X	X
Moldings, Door Edge Guard	B93	X	X	X	X	X
Defogger, Rear Window	C50	X	X	X	X	X
Mats, Color-Keyed Floor	B37	X	X	X	X	X
Belts, Deluxe	AK1	X	X	X	X	X
Steering Wheel, Comfortilt	N33	X	X	X	X	X
-----						
Speaker, Rear Seat	U80		X	X	X	
Lighting, Auxiliary	ZJ9		X	X	X	
Radio, AM/FM	U69		X	X	X	
Guards, Bumper	V30		X	X	X	
Windows, Power	A31		X	X	X	
-----						
Door Lock System, Power	AU3		X	X		
Wheels, Custom Styled	PE1		X	X		
Spoilers, Front and Rear	D80		X	X		
Speed Control	K30		X	X		
-----						
Rally Sport Equipment	Z85				X	
Suspension, Sport	F41				X	
Windshield Wipers, Intermittent	CD4				X	

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

0-S	OPTION
550	C60 <u>AIR CONDITIONING:</u> Four-Season (Incls V01 Rad w/L22 Eng)
___	<u>AXLES, REAR:</u>
___	G92 ---Performance Ratio (See Power Teams Chart)
___	G80 ---Positraction
___	UA1 <u>BATTERY, HEAVY-DUTY</u>
551	AK1 <u>BELTS, DELUXE:</u> Color-Keyed Seat and Shoulder (N/A Black or Black and White Interior Trim)
550	J50 <u>BRAKES, POWER:</u>
552	V30 <u>BUMPER EQUIPMENT:</u> Guards, Bumper, Front and Rear
550	D55 <u>CONSOLE</u>
551	C50 <u>DEFOGGER, REAR WINDOW:</u> Forced Air
553	AU3 <u>DOOR LOCK SYSTEM, POWER</u>
___	<u>EMISSION SYSTEMS: (MUST ORDER ONE)</u>
___	YF5 --California Emission Certification (N/A NA6 Altitude, M15 or M20 Trans)
___	NA6 --High Altitude Emission Equipment (N/A LG3 Eng, M15 or M20 Trans)
___	NA2 --Standard Emission Equipment (N/A YF5 Calif or NA6 Altitude)
551	B37 <u>FLOOR COVERING:</u> Mats, Color-Keyed Floor, Front and Rear
550	A01 <u>GLASS, SOFT RAY TINTED:</u> All Windows
552	ZJ9 <u>LIGHTING, AUXILIARY</u>
___	<u>MOLDINGS:</u>
550	B84 --Body Side
551	B93 --Door Edge Guard
___	B80 --Roof Drip (Incl w/Vinyl Roof or Z21 Style Trim)
___	V01 <u>RADIATOR, HEAVY-DUTY:</u> (Incl w/C60 Air w/L22 Eng)
___	<u>RADIO EQUIPMENT:</u>
550	U63 --AM Radio
552	U69 --AM/FM Radio
___	U58 --AM/FM Stereo Radio
___	UM1 --Stereo Tape System w/AM Radio
___	UM2 --Stereo Tape System w/AM/FM Stereo Radio
552	U80 --Speaker, Rear Seat (Reqs U63 or U69 Radio)
___	U76 --Windshield Antenna (Incl w/above Radio Equip)
554	Z85 <u>RALLY SPORT EQUIPMENT:</u> (N/A Vinyl Roof) (Refer Page 2 for Color and Trim) (Refer Page 6 for Tri-Color Stripe)
___	... <u>ROOF COVER, SPORT:</u> (See Color and Trim Chart)
___	AN6 <u>SEAT BACK, ADJUSTABLE DRIVER'S</u>
553	✓ K30 <u>SPEED CONTROL:</u> Cruise-Master (Reqs M40 Trans and J50 Brakes) (N/A YF5 Calif w/L22 Eng)
553	D80 <u>SPOILERS:</u> Front and Rear
551	N33 <u>STEERING WHEEL:</u> Comfortilt
___	N65 <u>STOWAWAY SPARE TIRE</u>
551	Z21 <u>STYLE TRIM GROUP:</u> (Incls B80 Mldgs)
554	F41 <u>SUSPENSION EQUIPMENT:</u> Suspension, Sport
___	<u>TIRES:</u> (B/W: Blackwall, W/S: White Stripe, W/L: White Lettered)
___	---Steel Belted Radial Ply (14/B)
___	QDV ---FR78 B/W (Base)
550	QDW ---FR78 W/S
___	QBT ---FR78 W/L
___	<u>TRANSMISSIONS:</u>
___	M15 ---3-Speed Manual (Reqs L22 or LG3 Eng)
___	M20 ---4-Speed Manual (Reqs LM1 Eng)
550	M40 --Turbo Hydra-matic
553	PE1 <u>WHEEL TRIM:</u> Wheels, Custom Styled
552	A31 <u>WINDOWS:</u> Power (Reqs D55 Console)
554	CD4 <u>WINDSHIELD WIPER EQUIPMENT:</u> Intermittent System

## VINYL ROOF SELECTION

Vinyl Roof	Code	Exterior Color Availability
Black	BB	Rec: 11, 13, 19, 22, 51, 61, 63 or 78 Acc: 29, 36, 39, 44 or 75
Blue, Light (Met)	DD	Rec: 11, 22 or 29
Buckskin, Light	UU	Rec: 11, 19, 51, 63, 69 or 78 Acc: 36, 39, 44 or 75
Firethorn (Met)	FF	Rec: 36 Acc: 11
Green, Medium (Met)	GG	Rec: 11 or 44
Silver	QQ	Rec: 13 or 19 Acc: 11, 29, 36 or 75
White	WW	Rec: All except 13 Acc: 13

## COLOR AND TRIM SELECTION

PLEASE NOTE: The exterior and interior combinations shown in the chart below and designated as recommended (R), represent the ideal combinations. Those that are shown as acceptable (A), are attractive, but less desirable than the recommended combinations. Orders for additional combinations may be submitted, provided the dealer initials the appropriate order form box (ZP2), as verification that the requested combination is definitely desired. **CAUTION:** Please utilize available color samples when ordering, especially when adding a third color element (Vinyl Top, Exterior Color, Interior Trim) in order to avoid undesirable combinations.

### WITHOUT Z85 RALLY SPORT EQUIPMENT

Seat, Headliner and Door Trim Color	Black	Buck-skin	Buck-skin	Fire-thorn	Fire-thorn	White	White	White	White	White
Instrument Panel Pad and Carpet Color	Black	Saddle	Black	Fire-thorn	Black	Aqua	Black	Blue	Fire-thorn	Saddle

Model

Seat Type

1F0J7	Sport Cloth Bucket	JUS2	JUB2	JFF2	JFR2						
	Vinyl Bucket	VSB2	VUS2	VUB2	VFF2	VFB2	VWA2	VWP2	VWD2	VWF2	VWS2

Exterior Paint Color	Color Code											
	L	U										
Aqua (Met)	38	38	A	A	A			R	R			
Black	19	19	R	R	R	R	R	R	R			R
Blue, Dark (Met)	29	29	A						A	R		
Blue, Light (Met)	22	22	P						A	R		
Brown (Met)	69	69		R	R				A			R
Buckskin (Met)	63	63	R	R	R				A			R
Buckskin, Light	61	61	R	R	R	R	R		A			R
Firethorn (Met)	36	36	A	R	R	R	R		A		R	
Green, Medium (Met)	44	44	A	A	A				A			
Orange, (Met)	78	78	P	R	R				R			
Red, Light	75	75	A	R	R	R	R		A		R	
Silver	13	13	R			R	R		R			
White, Antique	11	11	R	R	R	R	R	R	R	R	R	R
Yellow, Bright	51	51	R						R			

L=Lower U=Upper

### WITH Z85 RALLY SPORT EQUIPMENT (Refer Page 6 for Tri-Color Stripe Application)

Exterior Paint Color	Color Code											
	L	U										
Aqua (Met)	38	#18	R					R	R			
Blue, Light (Met)	22	29	A						A	R		
Buckskin, Light	61	63	P	R	A				A			R
Firethorn (Met)	36	#18	P			R	R		A		R	
Orange (Met)	78	#18	R	R	R				R			R
Red, Light	75	#18	R			R	R		A		R	
Silver	13	#18	R						R			
Silver	13	#16	R			A			R			
White, Antique	11	#18	R	R	R	R	R		R		R	
Yellow, Bright	51	#18	R						R			A

L=Lower U=Upper

# Medium Gray Metallic (16)

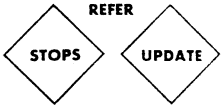
# Black Low Gloss (18)

## POWER TEAMS

(Refer to next page for option availability and application)

ENGINE	OPTION CONDITION	AXLE RATIO		
		2.56	2.73	3.08
L22	w/o NA6	-	Std	G92
	w/NA6	-	-	Std
LG3	M15	-	Std	-
	M40	Std	-	-
LM1	M20	-	-	Std
	M40	-	-	-
	w/o NA6	Std	-	G92
	w/NA6	-	-	Std

# CAMARO



Model

1F087 Camaro Sport Coupe

## ← COLOR AND TRIM SELECTION

MUST ORDER ONE: \_\_\_\_\_ ENGINES \_\_\_\_\_

### ALL EXCEPT CALIFORNIA REGISTRATION (N/A YF5)

- Below 4000 Foot Altitude (REQS NA2)
- \_\_\_ L22 250-1 BBL L6
  - \_\_\_ LG3 305-2 BBL V8 (Reqs J50 Brakes)
  - \_\_\_ LM1 350-4 BBL V8 (Reqs J50 Brakes)

- Above 4000 Foot (REQS NA6)
- \_\_\_ L22 250-1 BBL L6 (Reqs M40 Trans)
  - \_\_\_ LM1 350-4 BBL V8 (Reqs M40 Trans and J50 Brakes)

### CALIFORNIA REGISTRATION ONLY (REQS YF5)

- \_\_\_ L22 250-1 BBL L6 (Reqs M40 Trans)
- \_\_\_ LG3 305-2 BBL V8 (Reqs M40 Trans and J50 Brakes)
- \_\_\_ LM1 350-4 BBL V8 (Reqs M40 Trans and J50 Brakes)

### QUICK-SPEC

**IF TIRE AND/OR TRANSMISSION IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE AND/OR TRANSMISSION OPTION.**

Transmission, Turbo Hydra-matic	M40	X	X	X	X	X	
Brakes, Power	J50	X	X	X	X	X	
Console	D55	X	X	X	X	X	
Glass, Soft-Ray Tinted	A01	X	X	X	X	X	
Mirrors, Sport	D35	X	X	X	X	X	
Radio, AM	U63	X	X			<b>N/INCL</b>	
Tires, FR78-14/B White Stripe	QDW	X	X	X	X	X	
Wheel Covers, Full	P01	X				<b>N/INCL</b>	
-----							
Air Conditioning, Four-Season	C60	X	X	X	X		
Moldings, Body Side	B84	X	X	X	X		
Wheels, Rally	ZJ7	X	X	X	X		
Style Trim Group	Z21	X	X	X	X		
Clock, Electric	U35	X	X			<b>N/INCL</b>	
Defogger, Rear Window	C50	X	X	X	X		
-----							
Moldings, Door Edge Guard	B93		X	X	X		
Mats, Color-Keyed Floor	B37		X	X	X		
Speaker, Rear Seat	U80		X	X	X		
Interior Decor/Quiet Sound Group	Z54		X	X	X		
Belts, Deluxe	AK1		X	X	X		
Radio, AM/FM	U69		X	X	X		
Spoilers, Front and Rear	D80		X	X	X		
-----							
Instrumentation, Special	U14			X	X		
Lighting, Auxiliary	ZJ9			X	X		
Steering Wheel, Comfortilt	N33			X	X		
Horns, Dual	U05			X	X		
Door Lock System, Power	AU3			X	X		
Guards, Bumper	V30			X	X		
-----							
Rally Sport Equipment	Z85				X		
Suspension, Sport	F41				X		
Speed Control	K30				X		
Windshield Wipers, Intermittent	CD4				X		
Windows, Power	A31				X		

### PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
566	C60 <b>AIR CONDITIONING:</b> Four-Season (Incls V01 Rad w/L22 Eng)
---	392 <b>AXLES, REAR:</b>
---	--Performance Ratio (See Power Teams Chart)
---	380 <b>--Positraction</b>
---	UA1 <b>BATTERY, HEAVY-DUTY</b>
567	AK1 <b>BELTS, DELUXE:</b> Color-Keyed Seat and Shoulder (N/A Black or Black and White Interior Trim)

### PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION
565	J50 <b>BRAKES, POWER</b>
568	V30 <b>BUMPER EQUIPMENT:</b> Guards, Bumper, Front and Rear
566	U35 <b>CLOCK:</b> Electric (Incl w/U14 Inst)
565	D55 <b>CONSOLE</b>
566	C50 <b>DEFOGGER, REAR WINDOW:</b> Forced Air
568	AU3 <b>DOOR LOCK SYSTEM, POWER</b>
---	<b>EMISSION SYSTEMS: (MUST ORDER ONE)</b>
---	YF5 <b>--California Emission Certification (N/A NA6 Altitude, M15 or M20 Trans)</b>
---	NA6 <b>--High Altitude Emission Equipment (N/A L33 Eng, M15 or M20 Trans)</b>
---	NA2 <b>--Standard Emission Equipment (N/A YF5 Calif or NA6 Altitude)</b>
567	B37 <b>FLOOR COVERING:</b> Mats, Color-Keyed Floor, Front and Rear
565	A01 <b>GLASS, SOFT-RAY TINTED:</b> All Windows
568	U05 <b>HORNS, DUAL</b>
568	U14 <b>INSTRUMENTATION:</b> Special (Incls U35 Clock)
567	Z54 <b>INTERIOR DECOR/QUIET SOUND GROUP</b>
568	ZJ9 <b>LIGHTING, AUXILIARY</b>
565	D35 <b>MIRRORS:</b> Sport, LH Remote and RH Manual (Incl w/Z85 Rally Sport)
---	<b>MOLDINGS:</b>
566	B84 <b>--Body Side</b>
567	B93 <b>--Door Edge Guard</b>
---	B80 <b>--Roof Drip (Incl w/Vinyl Roof or Z21 Style Trim)</b>
---	V01 <b>RADIATOR, HEAVY-DUTY:</b> (Incl w/C60 Air w/L22 Eng)
---	<b>RADIO EQUIPMENT:</b>
565	U63 <b>--AM Radio</b>
567	U69 <b>--AM/FM Radio</b>
---	U58 <b>--AM/FM Stereo Radio</b>
---	UM1 <b>--Stereo Tape System w/AM Radio</b>
---	UM2 <b>--Stereo Tape System w/AM/FM Stereo Radio</b>
567	U80 <b>--Speaker, Rear Seat (Reqs U63 or U69 Radio)</b>
---	U76 <b>--Windshield Antenna (Incl w/above Radio Equip)</b>
569	Z85 <b>RALLY SPORT EQUIPMENT:</b> (Reqs Radial Tires) (N/A Vinyl Roof or P01 Wheel Covers) (Incls D35 Mir and ZJ7 Wheels) (Refer Page 4 for Color and Trim) (Refer Page 6 for Tri-Color Stripe)
---	... <b>ROOF COVER, SPORT:</b> (See Color and Trim Chart)
---	AN6 <b>SEAT BACK, ADJUSTABLE DRIVER'S</b>
569	K30 <b>SPEED CONTROL:</b> Cruise-Master (Reqs M40 Trans and J50 Brakes) (N/A YF5 Calif w/L22 Eng)
567	D80 <b>SPOILERS:</b> Front and Rear
568	N33 <b>STEERING WHEEL:</b> Comfortilt
---	N65 <b>STOWAWAY SPARE TIRE</b>
566	Z21 <b>STYLE TRIM GROUP:</b> (Incls B80 Midgs)
569	F41 <b>SUSPENSION EQUIPMENT:</b> Suspension, Sport (Reqs Radial Tires)
---	<b>TIRES:</b> (B/W: Blackwall, W/S: White Stripe, W/L: White Lettered)
---	--Bias Belted Ply (14/B)
---	QEG <b>---E78 B/W</b>
---	QEH <b>---E78 W/S</b>
---	--Steel Belted Radial Ply (14/B)
---	QDV <b>---FR78 B/W (Base)</b>
565	QDW <b>---FR78 W/S</b>
---	QBT <b>---FR78 W/L</b>
---	<b>TRANSMISSIONS:</b>
---	M15 <b>--3-Speed Manual (Reqs L22 or LG3 Eng)</b>
---	M20 <b>--4-Speed Manual (Reqs LM1 Eng)</b>
565	M40 <b>--Turbo Hydra-matic</b>
---	<b>WHEEL TRIM:</b>
565	P01 <b>--Wheel Covers, Full (N/A Z85 Rally Sport)</b>
---	PE1 <b>--Wheels, Custom Styled (Reqs Radial Tires)</b>
566	ZJ7 <b>--Wheels, Rally (Reqs Radial Tires w/V8 Eng) (Incl w/Z85 Rally Sport)</b>
569	A31 <b>WINDOWS:</b> Power (Reqs D55 Console)
569	CD4 <b>WINDSHIELD WIPER EQUIPMENT:</b> Intermittent System

## RALLY SPORT EQUIPMENT

### RPO Z85 (MUST BE SPECIFIED)

Rally Sport Equipment Tri-Color Striping Chart.

Requires Z85 Rally Sport Equipment.

PLEASE NOTE: The exterior color combinations shown below are the only combinations that have been approved.

Exterior Paint Color	Color Code		Tri-Color Stripe
	L	U	
Aqua (Met)	38	#18	Dark Aqua, Med. Aqua and Light Aqua
Blue, Light (Met)	22	29	Dark Blue, Med. Blue and Light Blue
Buckskin, Light	61	63	Orange-Brown, Orange and Orange-Yellow
Firethorn (Met)	36	#18	Dark Red, Med. Red and Red-Orange
Orange (Met)	78	#18	Orange-Brown, Orange and Orange-Yellow
Red, Light	75	#18	Dark Red, Med. Red and Red-Orange
Silver	13	#18	Dark Gray Met., Gray Met. and Silver Met.
Silver	13	@16	Dark Gray Met., Gray Met. and Silver Met.
White, Antique	11	#18	Dark Red, Med. Red and Red-Orange
Yellow, Bright	51	#18	Orange, Yellow Orange and Yellow

L=Lower U=Upper

@ Medium Gray Metallic (16)

# Black Low Gloss (18)



# CAMARO

## 1977 VEHICLES WITH STANDARD EQUIPMENT

Prices shown are effective with vehicles manufactured on or after June 27, 1977

Description	Model Number	Wheel-base	Dealer Invoice Amount*	Dealer Price	Factory D&H§	List Price	Mfr's Sgt'd Retail Price★	Desti-nation Charge & Group Number	Total
◆ <b>6-Cylinder Engine</b>									
Sport Coupe	1FQ87	108"	3576.57	3494.35	13.45	4111.00	4124.45	6.....	.....
Type LT Coupe	1FS87	108"	3894.12	3804.60	13.45	4476.00	4489.45	6.....	.....
◆ <b>8-Cylinder Engine</b>									
Z28 Sport Coupe	1FQ87 /Z28	108"	4495.29	4391.95	14.06	5167.00	5181.06	6.....	.....

★ 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 manufactured on or after June 27, 1977

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

#### Interior Trim:

V**2 Vinyl Bucket Seats						NO ADDITIONAL CHARGE
P**2 Knit or J**2 Sport Cloth Bucket Seats		15.60	15.20		20.00	20.00
Custom Interior. Includes glove compartment light and additional instrument cluster lighting, simulated leather applique on instrument cluster, special insulation, LT type seats, seat trim and door trim.						
X**2 Custom Vinyl Bucket		214.50	209.00		275.00	275.00
E**2 Custom Cloth Bucket		230.10	224.20		295.00	295.00

#### Exterior Color:

Paint, Solid						NO ADDITIONAL CHARGE
Roof Cover, Sport Vinyl		74.88	72.96		96.00	96.00

#### Engines: (Refer to Dealer Order Guide for Emission System Requirements)

250-1 BBL L6	L22					NO ADDITIONAL CHARGE
305-2 BBL V8	LG3	93.60	91.20		120.00	120.00
350-4 BBL V8						
Z28 Sport Coupe	LM1					NO ADDITIONAL CHARGE
Sport Coupe or Type LT Coupe	LM1	163.80	159.60		210.00	210.00

#### Air Conditioning: Four-Season. Includes 61-amp generator.

Without V8 engine. Also includes VO1 radiator	C60	403.26	392.92		517.00	517.00
With V8 engine	C60	380.64	370.88		488.00	488.00

#### Axles, Rear:

Performance Ratio	G92	10.92	10.64		14.00	14.00
Positraction	G80	42.12	41.04		54.00	54.00

#### Battery, Heavy-Duty

	UA1	13.26	12.92		17.00	17.00
--	-----	-------	-------	--	-------	-------

#### Belts, Deluxe: Color-Keyed Seat and Shoulder. Includes plastic buckles. (Standard belts and plastic buckles are black). Replacing standard number of belts.

4 seat and 2 front shoulder	AK1	14.82	14.44		19.00	19.00
-----------------------------	-----	-------	-------	--	-------	-------

#### Brakes, Power: Standard on Z28 Sport Coupe.

	J50	49.14	47.88		63.00	63.00
--	-----	-------	-------	--	-------	-------

#### Bumper Equipment: Guards, Bumper. Front and Rear

	V30	30.42	29.64		39.00	39.00
--	-----	-------	-------	--	-------	-------

#### Clock: Electric. Standard on Type LT Coupe and Z28 Sport Coupe. Included with U14 instrumentation.

	U35	14.82	14.44		19.00	19.00
--	-----	-------	-------	--	-------	-------

#### Console: Includes floor-mounted shift lever with automatic transmission.

	D55	58.50	57.00		75.00	75.00
--	-----	-------	-------	--	-------	-------

#### Defogger, Rear Window: Forced-Air

	C50	37.44	36.48		48.00	48.00
--	-----	-------	-------	--	-------	-------

#### Door Lock System, Power: Electric

	AU3	57.72	56.24		74.00	74.00
--	-----	-------	-------	--	-------	-------

#### Emission Systems:

California Emission Certification. Includes all testing, equipment and/or certification necessary for registration in the State of California	YF5	54.60	53.20		70.00	70.00
High Altitude Emission Equipment	NA6	17.16	16.72		22.00	22.00
Standard Emission Equipment	NA2				NO ADDITIONAL CHARGE	

\* 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 manufactured on or after June 27, 1977

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H‡	List Price	Mfr's Suggested Retail Price◇
<b>REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>Floor Covering:</b> Mats, Color-Keyed Floor. 2 Front and 2 Rear	B37	14.04	13.68	N.A.	18.00	18.00
<b>Glass, Soft-Ray Tinted:</b> All Windows	A01	39.78	38.76	N.A.	51.00	51.00
<b>Horns, Dual:</b> Standard on Type LT Coupe	U05	4.68	4.56	N.A.	6.00	6.00
<b>Instrumentation, Special:</b> Standard on Type LT Coupe or Z28 Sport Coupe. Includes tachometer, voltmeter and temperature gauges and U35 clock	U14	77.22	75.24	N.A.	99.00	99.00
<b>Interior Decor /Quiet Sound Group:</b> Standard on Type LT Coupe. Includes glove compartment light and additional instrument cluster lighting; simulated leather applique on instrument cluster plus special engine compartment, hood and interior insulation	Z54	44.46	43.32	N.A.	57.00	57.00
<b>Lighting, Auxiliary:</b> Includes headlight warning buzzer, ashtray, instrument courtesy, luggage compartment and underhood lights.						
Sport Coupe without Z54 Interior Decor /Quiet Sound Group. Also includes glove compartment light	ZJ9	24.96	24.32	N.A.	32.00	32.00
Sport Coupe with Z54 Interior Decor /Quiet Sound Group or Type LT Coupe	ZJ9	21.06	20.52	N.A.	27.00	27.00
<b>Mirrors:</b> Sport, LH Remote and RH Manual. Standard on Type LT Coupe or Z28 Sport Coupe. Included with Z85 Rally Sport Equipment	D35	24.96	24.32	N.A.	32.00	32.00
<b>Moldings:</b>						
Body Side. Includes black vinyl insert	B84	31.20	30.40	N.A.	40.00	40.00
Door Edge Guard	B93	7.02	6.84	N.A.	9.00	9.00
Roof Drip. Included with vinyl roof or Z21 Style Trim	B80	13.26	12.92	N.A.	17.00	17.00
<b>Radiator, Heavy-Duty:</b> Included with C60 air conditioning with L22 250-1 BBL engine	V01	22.62	22.04	N.A.	29.00	29.00
<b>Radio Equipment:</b>						
AM Radio	U63	56.16	54.72	N.A.	72.00	72.00
AM /FM Radio	U69	106.86	104.12	N.A.	137.00	137.00
AM /FM Stereo Radio	U58	176.28	171.76	N.A.	226.00	226.00
Stereo Tape System with AM Radio	UM1	163.02	158.84	N.A.	209.00	209.00
Stereo Tape System with AM /FM Stereo Radio	UM2	252.72	246.24	N.A.	324.00	324.00
Speaker, Rear Seat	U80	17.94	17.48	N.A.	23.00	23.00
Windshield Antenna. Included with radio	U76	13.26	12.92	N.A.	17.00	17.00
<b>Rally Sport Equipment:</b> Hood, header panel, grille, headlamp bezels, top surface of front fender, forward portion of roof, upper portion of door and side windows, rear end panel and license opening are upper color. Includes tri-color striping separating selected color from body color at roof, side and front fenders; tri-color rally sport decals on front fender and deck lid.						
Sport Coupe. Also includes upper color painted D35 mirrors and ZJ7 rally wheels	Z85	219.18	213.56	N.A.	281.00	281.00
Type LT Coupe	Z85	145.08	141.36	N.A.	186.00	186.00
<b>Seat Back, Adjustable Driver's:</b> 2 positions	AN6	15.60	15.20	N.A.	20.00	20.00
<b>Speed Control:</b> Cruise-Master	K30	65.52	63.84	N.A.	84.00	84.00
<b>Spoilers:</b> Front and Rear. Standard on Z28 Sport Coupe. Includes front valance spoiler, rear deck and side panel spoiler	D80	67.86	66.12	N.A.	87.00	87.00
<b>Steering Wheel:</b> Comfortilt	N33	49.14	47.88	N.A.	63.00	63.00
<b>Stowaway Spare:</b> Standard on Z28 Sport Coupe	N65			NO ADDITIONAL CHARGE		
<b>Style Trim:</b> Includes bright roof drip, lock pillar, upper fender, hood panel and belt moldings plus colored insert door handles and bright accented parking lights	Z21	47.58	46.36	N.A.	61.00	61.00
<b>Suspension:</b> Sport. Standard on Z28 Sport Coupe. Includes larger diameter front stabilizer bar, added rear stabilizer bar and special front and rear shock absorbers	F41	28.08	27.36	N.A.	36.00	36.00

\* 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 manufactured on or after June 27, 1977

Description	Option Number	Dealer Invoice Amount*	Dealer Price	Factory D&H‡	List Price	Mfr's Suggested Retail Price
<b>REFER TO DEALER ORDER GUIDE FOR OPTION AVAILABILITY AND APPLICATION</b>						
<b>Tires:</b>						
<i>E78-14 /B Bias Belted Ply Blackwall.</i>						
Without N65 stowaway spare . . . . .	QEG	(-81.90)	(-79.80)	(-2.10)	(-105.00)	(-107.10)
With N65 stowaway spare . . . . .	QEG	(-65.52)	(-63.84)	(-2.94)	(-84.00)	(-86.94)
<i>E78-14 /B Bias Belted Ply White Stripe.</i>						
Without N65 stowaway spare . . . . .	QEH	(-49.92)	(-48.64)	(-2.10)	(-64.00)	(-66.10)
With N65 stowaway spare . . . . .	QEH	(-39.78)	(-38.76)	(-2.94)	(-51.00)	(-53.94)
<i>FR78-14 /B Steel Belted Radial Ply Blackwall (Standard) . . . . .</i>						
	QDV			<i>NO ADDITIONAL CHARGE</i>		
<i>FR78-14 /B Steel Belted Radial Ply White Stripe</i>						
Without N65 stowaway spare . . . . .	QDW	33.54	32.68	N.C.	43.00	43.00
With N65 stowaway spare . . . . .	QDW	27.30	26.60	N.C.	35.00	35.00
<i>FR78-14 /B Steel Belted Radial Ply White Lettered</i>						
Without N65 stowaway spare . . . . .	QBT	44.46	43.32	N.C.	57.00	57.00
With N65 stowaway spare . . . . .	QBT	35.88	34.96	N.C.	46.00	46.00
<b>Transmissions:</b>						
3-Speed Manual . . . . .	M15			<i>NO ADDITIONAL CHARGE</i>		
4-Speed Manual . . . . .	M20	196.56	191.52	N.A.	252.00	252.00
4-Speed Close-Ratio Manual . . . . .	M21			<i>NO ADDITIONAL CHARGE</i>		
<i>Turbo Hydra-matic</i>						
Z28 Sport Coupe . . . . .	M40	28.86	28.12	N.A.	37.00	37.00
Sport Coupe or Type LT Coupe . . . . .	M40	225.42	219.64	N.A.	289.00	289.00
<b>Wheel Trim:</b>						
<i>Wheel Covers, Full . . . . .</i>						
	P01	27.30	26.60	N.A.	35.00	35.00
<i>Wheels, Rally. Standard on Type LT Coupe. included with Z85</i>						
Rally Sport Equipment. Includes styled wheels, special hub caps and trim rings . . . . .	ZJ7	50.70	49.40	N.A.	65.00	65.00
<i>Wheels, Custom Styled. 14" x 7".</i>						
<i>Sport Coupe.</i>						
Without Z85 Rally Sport Equipment . . . . .	PE1	97.50	95.00	N.A.	125.00	125.00
With Z85 Rally Sport Equipment . . . . .	PE1	66.30	64.60	N.A.	85.00	85.00
Type LT Coupe . . . . .	PE1	66.30	64.60	N.A.	85.00	85.00
<b>Windows, Power: Electric . . . . .</b>						
	A31	88.92	86.64	N.A.	114.00	114.00
<b>Windshield Wiper Equipment: Intermittent . . . . .</b>						
	CD4	23.40	22.80	N.A.	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.

# NOTES

# Camaro Z28 Sport Coupe

## Back by popular demand

Z28 returns in 1977 with everything you'd expect. It has always been an outstanding road car and '77 is no exception. Once again, a beautiful balance of power, handling equipment and running gear combines to make Z28 a truly precision driving instrument. The picture below illustrates how complete the Z28 equipment package really is.

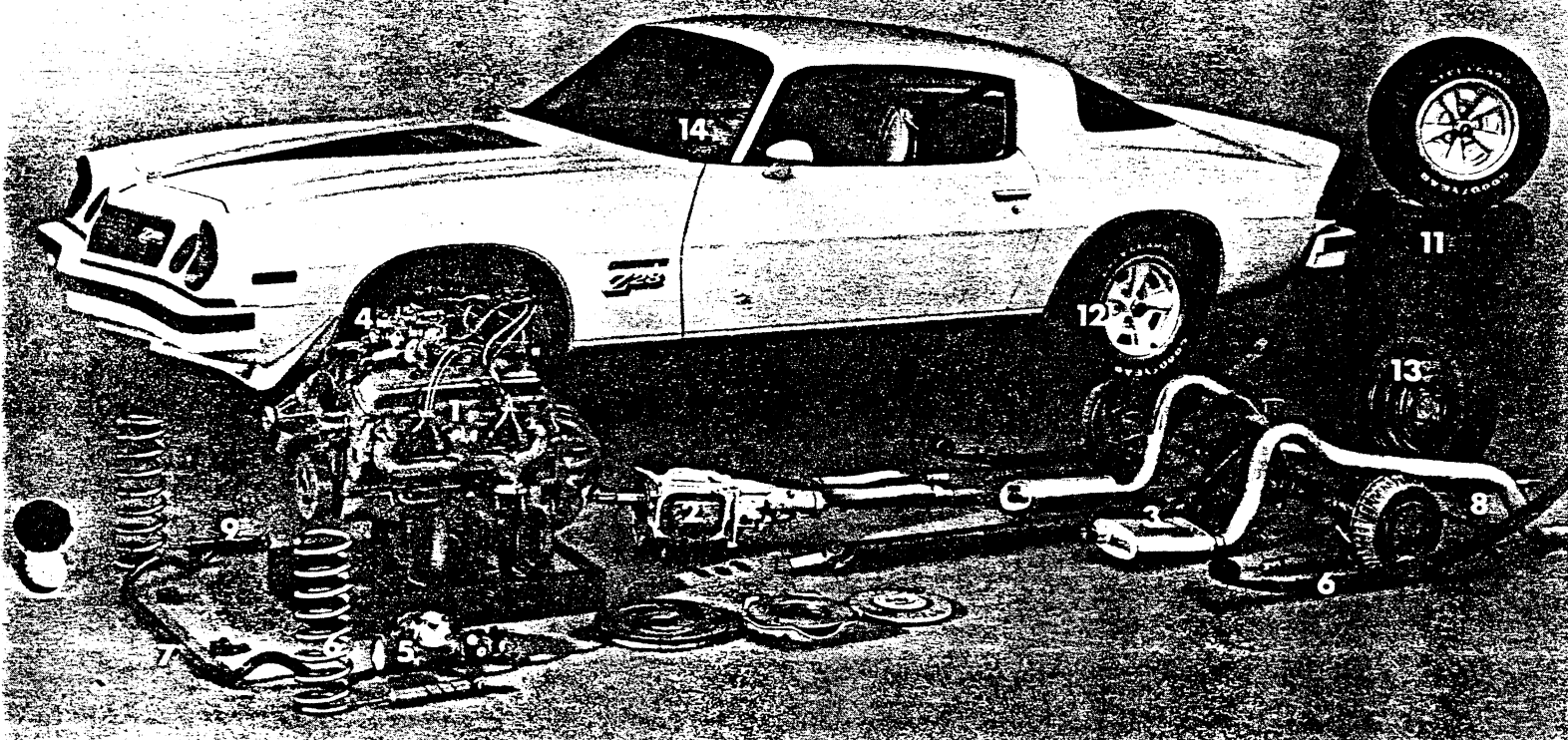
### Performance and handling features

1. 350 C.I.D. 4-bbl. engine
2. Manual transmission  
Heavy-duty Borg-Warner 4-Speed with 2.64 low gear ratio  
Heavy-duty 11-inch clutch
3. 3.73 performance rear axle ratio  
Automatic transmission (Available—Required in California. Not shown.)  
High shift points (1-2 shift—4900 rpm)  
(2-3 shift—4700 rpm)
- 3.42 performance rear axle ratio
3. Low back pressure dual exhaust with resonators
4. Power disc brakes
5. Fast 14:1 ratio power steering for crisp, precise steering
6. High rate front and rear springs
7. Large diameter front stabilizer bar
8. Rear stabilizer bar
9. Shocks with special valving
10. Special suspension bushings and grommets
11. GR70X15 steel belted radial ply white letter tires

12. Special body colored 15" x 7" Z28 wheels
13. Stowaway spare
14. Special instrumentation including tachometer

### Trim features

- Black finished grille, headlight bezels, front parking light openings and bezels, windshield and rear window moldings, body sill, rear end panel and taillight bezels
- Front and rear spoilers
- Choice of 7 Camaro Magic-Mirror exterior colors (See reverse side of this page for details)
- Body colored bumpers, door handle inserts and sport mirrors
- Hood decal, wheel opening, body sill and rear spoiler striping color-keyed to body
- Z28 identification on grille, front fenders, rear spoiler, steering wheel and engine air cleaner
- Custom interior available at extra cost (Includes deluxe high-back bucket seats with sidewall trim; special armrests; map pockets in doors; color-keyed instrument panel, steering wheel and column; simulated leather instrument cluster facing)



# 1977 Z28 CAMARO TRIM SELECTIONS

The Exterior and Interior Color Combinations shown below are the only combinations that are available.

Seat, Headliner and Door Trim Color	Black	Buckskin	White
Instrument Panel Pad and Carpet Color	Black	Saddle	Black

MODEL	SEAT TYPE			
1FQ87/Z28	Vinyl Bucket	VBB2	VUS2	VWB2
	Custom Vinyl Bucket	XBB2	XUS2	XWB2
	Sport Cloth Bucket		JUS2	
	Custom Cloth Bucket		EUS2	

EXTERIOR PAINT COLOR	COLOR L	CODE U			Z28 COLOR SCHEME IDENTIFICATION		
Black	19	19	R		R	Package #3	
Black	19	19			R	Package #1	
Brown (Met)	69	69			R	Package #1	
Orange (Met)	78	78			R	R	Package #1
Red, Light	75	75	R		R	Package #3	
Silver	13	13	R		R	Package #2	
White, Antique	11	11			R	Package #1	
White, Antique	11	11	R		R	Package #2	
Yellow, Bright	51	51	R		R	Package #4	

R - Recommended

	PACKAGE #1	PACKAGE #2	PACKAGE #3	PACKAGE #4
Hood Design	Black Brown Light Gold Yellow-Orange	Black Red Red-Orange Dark Gold	Black Red Red-Orange Dark Gold	Black Yellow-Orange Orange-Yellow Bright Yellow
Body/Spoiler Stripes	Brown Light Gold	Red Red-Orange	Red Red-Orange	Yellow-Orange Orange-Yellow
LETTERING				
Camaro	Light Gold	Black	Dark Gold	Black
Z28	Lt. Gold/Black/Brown Yellow-Orange	Clear/Black/Red/ Red-Orange	Dk. Gold/Black/ Red/Red-Orange	Black Clear/Black/Yellow- Orange/Orange-Yellow

# GENERAL

MODEL IDENTIFICATION . . . . .	2
SERIAL NUMBERS AND IDENTIFICATION . . . . .	3
EXTERIOR EQUIPMENT . . . . .	4-5
INTERIOR EQUIPMENT . . . . .	6-7
EXTRA COST EQUIPMENT . . . . .	8, 9
EXTERIOR STYLE TRIM OPTION RPO Z21 . . . . .	10
INTERIOR DECOR/QUIET SOUND GROUP RPO Z54 . . . . .	10
RALLY SPORT PACKAGE RPO Z85 . . . . .	11
AIR CONDITIONING EQUIPMENT . . . . .	12

# MODEL IDENTIFICATION

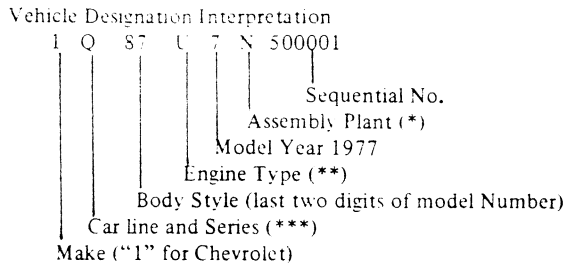
BODY	SERIES NAME	BODY STYLE	MODEL DESIGNATION	PASS OR SEATS
F-CAR	CAMARO	2-Dr. Sport Coupe	1FQ87	4
	CAMARO TYPE LT	2-Dr. Sport Coupe	1FS87	4



# SERIAL NUMBERS AND IDENTIFICATION

ONLY BASIC DESIGNATIONS SHOWN

## VEHICLE IDENTIFICATION NUMBER



- \*N - Norwood-GMAD      L - Van Nuys-GMAD
- \*\*D - L6-250 (110 H.P.)      L - V8-350 (170 H.P.)
- U - V8-305 (145 H.P.)
- \*\*\*Q - Camaro

EXAMPLE: The twenty-fifth Chevrolet vehicle built at GMAD Norwood if it were a 1Q87 model (Camaro Sport Coupe) with a V8-305 (145 H.P.) engine would bear VIN Number 1Q87U7N500025.

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

## TRANSMISSION IDENTIFICATION

Example: S7E01

Type Designation	Source Designation	Model Year 1977	Production <sup>o</sup> Month & Date
ZC	S (Muncie)	7	E01D*

ZC	3-Speed	L-6 engine	S - Muncie
ZC	3-Speed	V-8 engine	S - Muncie
ZM	4-Speed	V-8 engine	R - Muncie
WK	Turbo Hydra-matic	L-6 engine	D - Parma
			Y - Toledo
AG	Turbo Hydra-matic	V-8 engine	D - Parma
			Y - Toledo

Location:

3-Speed . . . . . Stamped on top right hand side transmission case.

4-Speed . . . . . Stamped on top right hand side transmission case.

Turbo Hydra-matic (Chevrolet) . . . . . Stamped on right hand side of transmission, above filler plug.

o-Month: 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: F1210CCD

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

250 Cubic Inch 6-Cylinder

- CCD - Regular engine, 3-speed
- CCF - Regular engine, Turbo Hydra-matic (Chevrolet)

305 Cubic Inch 8-Cylinder (RPO LG3)

- CPA - Optional engine, 3-speed, 2-bbl. carb.
- CPY - Optional engine, Turbo Hydra-matic (Chevrolet)

350 Cubic Inch 8-Cylinder (RPO LM1)

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

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

- PT - 2.56 Axle
- PU - 2.73 Axle
- PW - 3.08 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
Header Panel Center Mounted Crest (C) . . . . .	X	X	X
Header Mounted Parking Lamp with Clear Lens and Amber Bulb (C) . . . . .	X		
Header Mounted Parking Lamp with Bright Vertical Bar and Bezel (C) . . . . .		X	O
Single "Power-Beam" Headlamps (C) . . . . .	X	X	X
Argent Headlamp Bezel with Bright Rim (C) . . . . .	X	X	X
Argent Colored One-piece Radiator Grille (C) . . . . .	X	X	X
Bright Moldings on Header Panel, Surrounding Grille (C) . . . . .		X	
Lower Grille, Valance Panel Mounted, Argent (C) . . . . .	X	X	X
Bright Valance Panel Molding, along lower surface and at ends of Lower Grille (C) . . . . .		X	
Black Bumper Filler Panel with Matte Finish (C) . . . . .	X	X	X
One-piece Bumper with Bright Anodized Finish (C) . . . . .	X	X	X
License Plate Mounting Provision on Bumper near RH Outboard End (C) * . . . . .	X	X	X
Front Bumper Impact Strips, Reinforced Rubber, Black Accented (C) . . . . .	X	X	X
Black Top and Side Windshield Reveal Molding with Bright Center . . . . .	X	X	X
Two-Speed Windshield Wipers and "Demand Type" Washers (F) . . . . .	X	X	X
Concealed Black Chrome Finished Wipers - Articulated Left Blade and 18" Wiper Blades (F) . . . . .	X	X	X
Bright Hood and Fender Upper Edge Molding (C) . . . . .			O

\*Provided only for States requiring front license plates.

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

(C) Chevrolet item

(F) Fisher item

## EXTERIOR EQUIPMENT

SIDE	Standard 11/87	Type LT 11/87	Style Trim RPO Z21
Front Marker Lamp with Amber Lens—No Bezel (C) . . . . .	X	X	X
Front Fender Nameplate "Camaro"—Block Lettering (C) . . . . .	X	X	X
Sail Panel "Type LT" Emblem (C) . . . . .		X	
Rectangular LH Rear View Mirror (C) . . . . .	X		X
Sport Mirrors In Body Color for "Type LT" (F) . . . . .		X	
Bright Chrome Flush Door Handles (F) . . . . .	X	X	X
Body Colored Tape Insert on Flush Door Handles (F) . . . . .			O
Bright Spear Rocker Panel Molding (C) . . . . .	X		X
Bright Body Lock Pillar Vertical Molding (F) . . . . .			O
Bright Lower Window Sealing Strip Bead (F) . . . . .	X	X	
Bright Body Lock Pillar Vertical Seal Retainer (F) . . . . .	X	X	
Bright Roof Drip Moldings (F) . . . . .			O
Bright Door Belt Reveal Molding (F) . . . . .			O
Hub Cap — (C) . . . . .	X		X
Bright Side Lower Molding On Door, Rear Quarter and Fender with Black Paint Below (F, C) . . . . .		X	
Rally Wheels and Trim Rings, 14 x 7 (C) . . . . .		X	
 <u>REAR</u>			
"Camaro" Crest on Deck Lid Centerline (F) . . . . .	X	X	X
Rear End Panel "Type LT" Emblem Between License and RH Tail Lamp (F) . . . . .		X	
Bright Horizontal Moldings on Rear End Panel, along Upper and Lower Edges (Integral with rear end panel applique) (C) . . . . .		X	
Brushed Aluminum Applique on Rear End Panel (F) . . . . .		X	
Black Rear Window Reveal Molding with Bright Center Moldings . . . . .	X	X	X
Wrap-around Tail Lamp Unit with Bright Outer Bezel Incorporating Stop, Directional, Rear Marker, and Back-up Lamps (C) . . . . .	X	X	X
Black Rear Bumper Face Bar to Body Filler (C) . . . . .	X	X	X
Rear Bumper Impact Strips — Reinforced Rubber, Black Accented (C) . . . . .	X	X	X

NOTES: "O" indicates deviation from standard equipment, but included in the optional package.  
(C) Chevrolet item  
(F) Fisher item

# INTERIOR EQUIPMENT

## INTERIOR EQUIPMENT

	Standard (11 Q87 Model)	Type LT (1FS87 Model)	Interior Decor. Quik Sound Group RPO Z54
<b>ROOF AND PILLARS</b>			
Headlining Vinyl Coated, Perforated, Vinyl on Folded Foam Construction, One-Piece (F) . . . . .	X-N	X-N	X-N
Trim Color Windshield Header, Pillar, Roof Side Rails, and Rear Window Moldings (F) . . . . .	X	X	X
Black 10-Inch Prismatic Rear View Mirror with Black Padded Edge (C) . . . . .	X	X	X
Black Rear View Mirror Support, Windshield Mounted (F) . . . . .	X	X	X
Padded Sunshades (F) . . . . .	X	X	X
Trim Color Plastic Coat Hooks (F) . . . . .	X	X	X
Center Dome Lamp with Bright Bezel (F) . . . . .	X	X	X
Door Jamb Dome Lamp Switches (F) . . . . .	X	X	X
Black Front Seat Shoulder Belt Retractor Reels, Mounted Above Roof Rails (F) . . . . .	X	X	X
Optional Color Coordinated Front Seat Shoulder Belt Retractor Reels, Mounted Above Roof Rails (F) ** . . . . .	X	X	X
<b>SEATS AND FLOOR COVERING</b>			
Full Foam Bucket Front Seats with Integral Head Restraints and Shoulder Belt Guides (F) . . . . .	X		X
Specific Front Bucket Seats with deeply contoured backs . . . . .		X O	
Deluxe Seat Trim (F) . . . . .			
Rear Seat - Dual Cushions with Single, Full-width Backrest - Full Foam Construction (F) . . . . .	X	X	X
Black Front Seat Adjuster Handle (F) . . . . .	X	X	X
Black Front Seat Back Latch (F) . . . . .	X	X	X
Passenger Compartment Floor Covering-Carpet (F & C) . . . . .	X	X	X
Luggage Compartment Spatter Paint (F) . . . . .	X	X	X
Luggage Compartment Rubber Floor Mat with Felt Backing (F) . . . . .	X	X	X
Front and Rear Seat Belts - Four - Base, Black with Black Die-Cast Metal Buckles, Locking Retractors (F) . . . . .	X	X	X
Front and Rear Seat Belts - Four-Optional, Color-Coordinated Belts with Color-Keyed Die-Cast Metal Buckles, Locking Retractors (F) ** . . . . .	X	X	X
Front Shoulder Belts - Two - Base, Black, Non-detachable (F) . . . . .	X	X	X
Front Shoulder Belts - Two - Optional Color-Coordinated, Non-detachable (F) ** . . . . .	X	X	X
Trim Color Seat Back Hinge Arm Cover (F) . . . . .	X	X	X
<b>DOOR AND QUARTER PANEL</b>			
Injection Molded Lower Door Trim Panel Incorporating Built-in Padded Armrest, Front and Rear Stowage Compartments and Coin Receptacle, Color Coordinated Pull Cup Insert Added Inside Arm Rest Depression, Upper Portion Features Multiple Vertical Seam-lines (F) . . . . .	X-M		X-M
Deluxe Door Trim Panel Incorporating Padded Arm Rest with Integral Door Pull Bar, Built-In Map Pocket and Black Accent Strip (F) . . . . .		O	
Deluxe Door Trim Panel, Similar to above, with Vinyl Center portion, incorporating vertical sew lines (F) . . . . .		O*	
Built-in Rear Quarter Panel Armrest (F) . . . . .	X	X	X
Clear Plastic Window Control Handle Knobs (F) . . . . .	X	X	X
Bright Door Lock Buttons (F) . . . . .	X	X	X
Vinyl and Plastic Quarter Trim (F) . . . . .	X	X	X
Soft Feel Vinyl Door Upper Trim Panel (F) . . . . .	X		X
Recessed Chrome Finish Door Handle (F) . . . . .	X	X	X
Color-Coordinated Plastic Inside Door Handle Cup (F) . . . . .	X		X
Bright Inside Door Handle Cup (F) . . . . .		O	
<b>MISCELLANEOUS</b>			
Additional Body Insulation (F) . . . . .		O	O
Full Molded Hood Insulation (F) . . . . .		O	O
Cowl to Fender Seal (C) . . . . .		O	O
Black Transmission Shift Lever Knob with Insert White Shift Pattern . . . . .	X	X	X
Floor-mounted Transmission Shift Lever (C) . . . . .	X	X	X

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

"N" Indicates New for 1977.

\* Included with Type LT vinyl trimmed seats.

\*\* Requires RPO AK1 Deluxe Seat Belts and Shoulder Harness; not available with black interior.

"M" Indicates modified by addition of bright edges around door pull cup insert.

## INTERIOR EQUIPMENT

INSTRUMENT PANEL AND STEERING WHEEL	Standard (1FQ87 Model)	Type LT (1FS87 Model)	Interior Decor/Quiet Sound Group RPO Z54
Trim Color Instrument Panel Pad (C) . . . . .	X	X	X
Black Ac centered Beige Painted Instrument Cluster (new color) (C) . . .	X		
Simulated Leather Applique on Instrument Cluster – with bright work separating upper and lower Instrument Panel (C) . . .		O	O
Lower Instrument Panel, Ash Tray Face Plate and Glove Box Door, Color-Coordinated (C) . . . . .		X	
Glove Compartment Door Lock (C) . . . . .	X	X	X
“Camaro” Glove Compartment Nameplate–Script (C) . . . . .	X	X	X
Black Side Kick-pad Ventilation Control Knob (F) . . . . .	X	X	X
Black Astro-Ventilation Control Knob (F) . . . . .	X	X	X
T-Handle Parking Brake Release (C) . . . . .	X	X	X
Instrument Panel Ventilation Outlets (F) . . . . .	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 (C) . . . . .	X	X	X
Radio Control Knobs – Black Soft Vinyl with Symbols (C) . . . . .	O-*	O-*	O-*
Speedometer, Odometer, and Fuel Gauge (C) . . . . .	X	X	X
Temperature, Generator, Oil Pressure and Brake Warning Tell-Tale Lights (C) . . . . .	X		X
“Fasten Seat Belt” Lamp in Instrument Panel . . . . .	X	X	X
Hi-Beam and Turn Signal Indicators (C) . . . . .	X	X	X
Glove Compartment Lamp (C) . . . . .		O	O
Shift Quadrant Cover Plate (used with manual transmission ) (C) . . . . .	X	X	X
Clock Hole Cover (C) . . . . .	X		X
Radio Hole Cover (C) . . . . .	X	X	X
Ash Tray (C) . . . . .	X	X	X
Cigarette Lighter Knob – Black Soft Vinyl with Symbol (C) . . . . .	X	X	X
Blended Air Heater with Illuminated Control Plate (C) . . . . .	X	X	X
Black Steering Column (C) . . . . .	X		X
Color-Coordinated Steering Column (C) . . . . .		X	
Black Four-Spoke Sport Vinyl Steering Wheel with Crest at Center (C) . . . . .	X		X
Color-Coordinated Four Spoke Vinyl Steering Wheel with Specific Type LT Insert (C) . . . . .		X	
Steering Column Ignition Switch with Integral Steering Wheel and Transmission locks (C) . . . . .	X	X	X
Hazard Flasher Knob – Black (C) . . . . .	X	X	X
Soft Black Turn Signal Knob (C) . . . . .	X	X	X
Argent Finish Accent Beads on Lower Instrument Panel (C) . . . . .			X
One Low-Note Horn (C) . . . . .	X		X
Dual-Note Horns . . . . .		X	
Additional Instrument Cluster Lighting (C) . . . . .			O
Special Instrumentation Package (RPO U14) . . . . .		X	

NOTES: “O” indicates deviation from standard equipment, but included with specific model or in the optional package.

(\*) Requires RPO U58, U63 or U69 Radio Equipment.

(F) Fisher item

(C) Chevrolet item

# EXTRA COST EQUIPMENT

EQUIPMENT	RPO	ACC.
Adjustable Seat Back Equipment: Driver's Seat only	AN6	
Air Conditioning, Four-Season: (see page 12 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	
Cruise Control (with automatic trans. only)	K30	ACC
Glass, Soft-Ray tinted: all windows	A01	
Horns, Dual (Standard on Type LT.)	U05	
Instrumentation, special:	U14	
Lighting, auxiliary:	ZJ9	
Courtesy lights		
Glove compartment light		ACC
Luggage compartment light		ACC
Ash tray light		
Underhood light		ACC
Headlamp Reminder Buzzer		
Mirror, vanity visor		ACC
Mirror, vanity visor, lighted		ACC
Moldings, body side	B84	
Radiator, heavy duty: V8 only (Included with RPO C60)		
(Forced with L6 engine, when C60 Air Conditioning		
is selected)	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
AM Radio and Stereo Tape Player	UM1	ACC
AM/FM Stereo Radio and Tape Player	UM2	ACC
Speaker, rear seat	U80	ACC
Windshield antenna (When no radio is ordered)	U76	
Roof cover, vinyl - Includes bright drip molding	CB7	
Spoilers, rear deck and Front Valance	D80	
Steering wheel, Comfortilt:		
Available only when automatic transmission or manual is ordered	N33	
Tire, Space Saver Spare	N65	
Wheel covers, full:	P01	ACC
Wheels, rally (14 x 6 or 14 x 7)	ZJ7	
Wheels, Custom Styled	PE1	
Windshield Glass - Tinted (Fleet use only)	A02	
<b>FACTORY-INSTALLED REGULAR PRODUCTION TIRES</b>		
FR78-14 - steel belted radial ply, white stripe	QDW	
FR78-14 - steel belted radial ply, white lettered	QBT	
E78-14B - bias belted, highway blackwall	QEG	
E78-14B - bias belted, white stripe	QEH	

# EXTRA COST EQUIPMENT

<u>EQUIPMENT</u>	RPO	ACC.
<u>FEATURE ITEMS</u>		
Door edge guards . . . . .	B93	ACC
Color-keyed floor mats – 2 Front, 2 Rear . . . . .	B37	ACC
Electric clock . . . . .	U35	
Rear window defogger (Forced Air) . . . . .	C50	ACC
<u>MODEL OPTIONS</u>		
Exterior style trim option (see page 10 for content) . . . . .	Z21	
Interior decor/quiet sound group (see page 10 for content) . . . . .	Z54	
Rally sport package (see page 11 for content) . . . . .	Z85	
<u>POWER TEAMS</u>		
Turbo-Fire 305 V8 . . . . .	LG3	
Turbo-Fire 350 V8 . . . . .	LM1	
4-Speed manual transmission – wide Ratio: Optional 350 V8 only . . . . .	M20	
Turbo Hydra-matic transmission . . . . .	M38	
Axle, Positraction . . . . .	G80	
Axle, High Altitude . . . . .	G92	
<u>POWER ASSISTS</u>		
Brakes, power, (standard with V8 engine, optional with L6 engine) . . . . .	J50	
Windows, power (Requires D55 Floor console) . . . . .	A31	
Door lock system, power . . . . .	AU3	

# RPO Z21 AND Z54

## Z21 STYLE TRIM OPTION

MODEL AVAILABILITY  
CAMARO (1FQ87 & 1FS87)

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

### EXTERIOR

Specific Parking Lamp Bezels, same as Type LT  
Bright Deluxe Belt Molding  
Bright Roof Drip Molding  
Bright Vertical Lock Pillar Molding  
Colored Insert on Door Handles  
Bright Hood & Fender Upper Edge Moldings

## Z54 INTERIOR DECOR/QUIET SOUND GROUP

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

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

### INTERIOR

Additional Instrument Cluster Lighting (Tell-tale and clock openings illuminated)  
Glove Compartment Lamp  
Additional Hood and Body Acoustic Insulation, same as included with Type LT model.  
Bright Horizontal Bead Separating Upper and Lower Instrument Panel  
Simulated Leather Applique on Instrument Cluster Carrier



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**Z85 RALLY SPORT PACKAGE**

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**MODEL AVAILABILITY****CAMARO (1FQ87 & 1FS87)**

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

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**EXTERIOR**

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**Special Contrasting Paint Treatment**

(Gray Metallic, Dark Blue Metallic, Buckskin Metallic or Low Gloss Black)

- on forward portion of roof (rear portion remains body color for "Landau" effect).
- on rear end panel and license opening (brushed aluminum rear end panel applique and molding replace contrasting paint treatment on Type LT)
- around side windows and on upper portion of door.
- on top surface of front fenders.
- on hood, header panel, grille (black only), and headlamp bezels (black only).
- on dual sport mirrors (RPO D35 included in RPO Z85 package).
- on door lower, rocker panel and fender (black only), with narrow bright molding along upper edge (1FS87 model).
- for 1FQ87 model, similar to 1FS87 except paint application is more narrow and molding is not used.

Tri-color striping separating contrasting color from body color in appropriate areas of roof, side and front fenders.

Bright edge headlamp bezels.

Argent peripheral bead on grille (bright molding with 1FS87).

Black "Rally Sport" decals on deck lid and front fenders.

Limited body colors (9 available) and interior trim, with the tri-color separation striping color-keyed to each combination.

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**CHASSIS**

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Rally wheels (14 x 7", argent) with base FR78-14 black wall tires.

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**COMPANION OPTIONS RECOMMENDED WITH RALLY SPORT PACKAGE:**

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- RPO D80 spoilers - front and rear (rear spoiler includes tri-color striping and "Rally Sport" decal).
- RPO Z21 Style Trim Group.
- RPO QDW or QBT FR78-14 white stripe or white lettered tires.

# 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

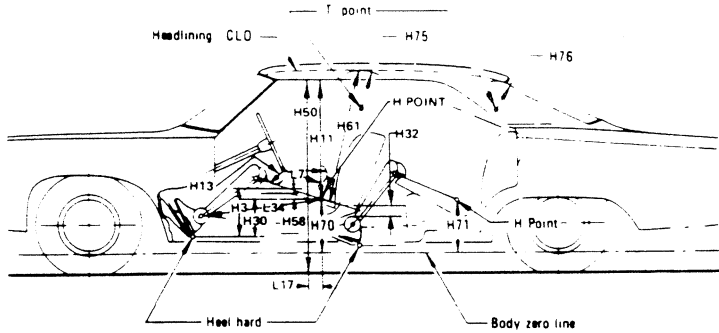
### POWER TRAINS

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 . . . . . Heavy duty

# DIMENSIONS AND WEIGHTS

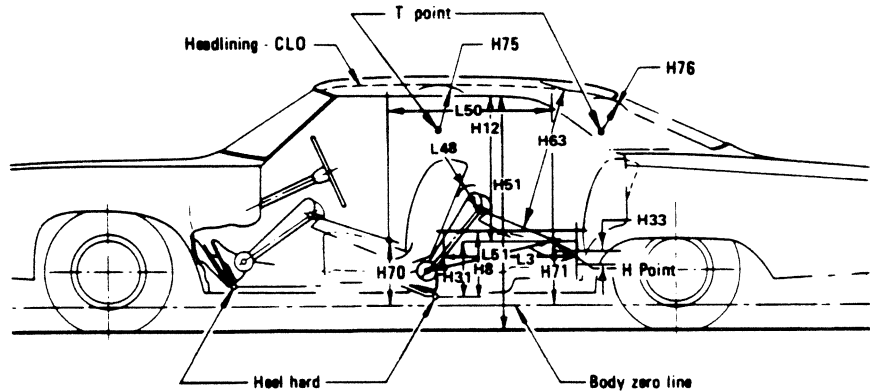
INTERIOR DIMENSIONS . . . . .	2
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VEHICLE WEIGHTS . . . . .	5
OPTIONAL EQUIPMENT WEIGHTS . . . . .	5

# INTERIOR DIMENSIONS



## FRONT COMPARTMENT

CODE	DESCRIPTION	2-DOOR SPORT COUPE	
H3	Seat cushion height	8.8	
H11	Entrance height	29.6	
H13	Steering wheel thigh clearance	4.8	
H30	H point to heel point	6.1	
H32	Seat cushion deflection	2.4	
H50	Upper body opening to ground	45.6	
H58	H point rise	0.9	
H61	Effective headroom	37.2	
H70	H point to body O line	10.9	
H75	Effective 'T' point headroom	37.4	
W3	Shoulder room	56.7	
W5	Hip room	1FQ87 - 52.4	1FS87 - 56.2
L7	Steering wheel torso clearance	15.1	
L17	H point travel	5.0	
L34	Effective leg room	43.9	



## REAR COMPARTMENT

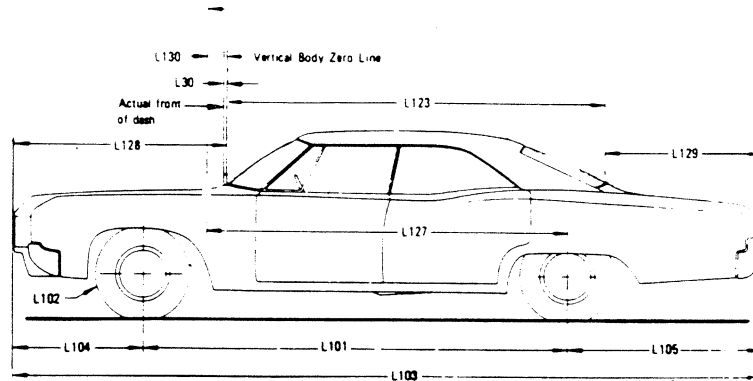
H8	Seat cushion height	10.1
H31	H point to heel point	8.4
H33	Seat cushion deflection	2.6
H63	Effective headroom	36.0
H71	H point to body O line	9.9
H76	Effective 'T' point headroom	35.9
W4	Shoulder room	54.4
W6	Hip room	45.8
L3	Rear compartment room	22.7
L50	H point couple distance	27.3
L51	Effective leg room	28.4

## LUGGAGE COMPARTMENT

H195	Liftover height	27.2
V1	Usable luggage capacity (cu.ft.)	6.4*

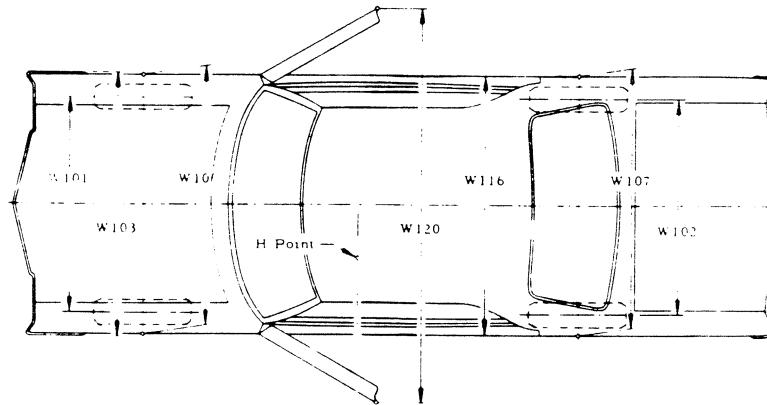
\* With space saver tire 7.2 cubic feet.

# EXTERIOR DIMENSIONS



## LENGTHS

CODE	DESCRIPTION	2-DOOR SPORT COUPE
L101	Wheelbase	108.0
L102	Tire size (standard)	FR78-14
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
L125	Body zero plane to windshield cowling point	9.3
L30	Body O line to actual front of dash	1.2

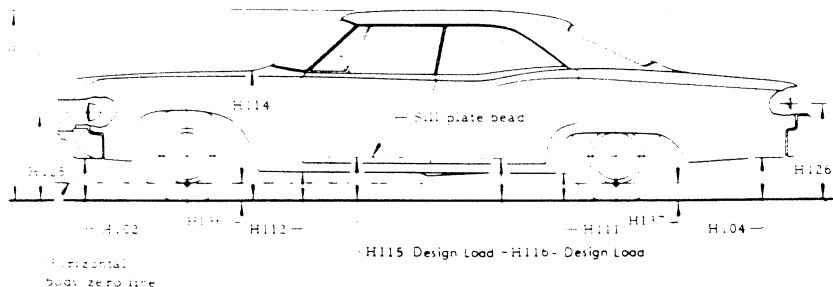


## WIDTHS

W101	Tread - front	61.3*
W102	Tread - rear	60.0*
W103	Maximum overall width of car	74.5
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

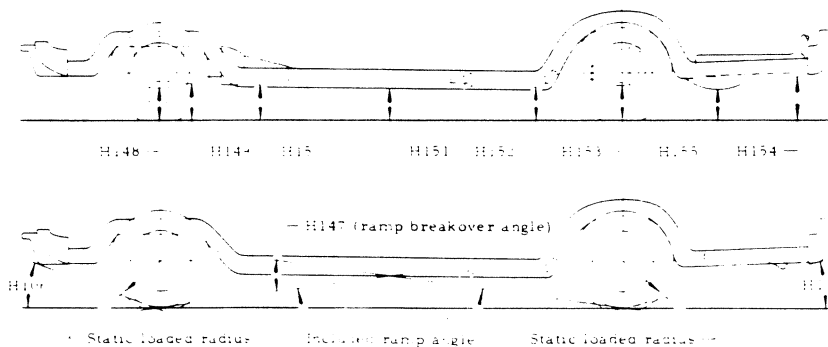
\*-W101, (Type LT) Front 61.6, W102, (Type LT) Rear 60.3

# EXTERIOR DIMENSIONS



## HEIGHTS

CODE	DESCRIPTION	2-DOOR SPORT COUPE
H101	Overall height (design)	49.2
H102	Front bumper to ground	14.9
H104	Rear bumper to ground	12.6
H111	Rocker panel to ground - rear	5.8
H112	Rocker panel to ground - front	6.8
H114	Hood at rear to ground	35.3
H115	Step height - front (design)	16.4
H116	Step height - rear (design)	--
H125	Headlamp to ground	25.8
H126	Tail lamp to ground	23.1
H136	Body O line to ground - front	5.2
H137	Body O line to ground - rear	3.6



## CLEARANCES

H106	Angle of approach (degrees)	23°10'
H107	Angle of departure (degrees)	20°26'
H147	Ramp breakover angle (degrees)	15°33'
H148	Front suspension to ground	4.9
H149	Oil pan to ground	5.2
H150	Flywheel housing to ground	5.7
H151	Frame to ground	4.9
H152	Exhaust system to ground	4.9
H153	Rear axle to ground	6.3
H154	Fuel tank to ground	7.4
H155	Tire well to ground	19.2
H156	Minimum ground clearance	4.9 (a)

(a) Catalytic converter

# VEHICLE WEIGHTS

## CAMARO

### MODEL TYPE

MODEL DESIGNATION	BASE ENGINE	VEHICLE TYPE	SHIPPING WEIGHT			CURB WEIGHT		
			Front	Rear	Total	Front	Rear	Total
1FQ87	250 Cu.In. - L6	2-Door Sport Coupe	1901	1468	3369	1878	1601	3479
1FS87	250 Cu.In. - L6	2-Door Sport Coupe	1917	1505	3422	1894	1638	3532

SHIPPING WEIGHT: Weight of basic vehicle with regular equipment, including grease, oil and (3) 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
AU3	Electric Door Locks		+ 6
A31	Power Windows		+ 10
B37	Floor Mats, Front & Rear		+ 8
CB7	Exterior Padded Vinyl Roof		+ 2
C60	Air Conditioning	With 6 Cyl. Engine	+ 76
		With V8 Engine	+ 90
C50	Defogger, Rear Window		+ 6
D55	Floor Console	With 3-Speed Transmission	+ 5
		With 4-Speed Transmission	+ 5
		With Turbo Hydra-matic Trans.	+ 9
D80	Spoilers, Front and Rear		+ 11
J50	Power Brakes		+ 9
PE1	Custom Styled Wheels (urethane styled steel)	1FQ87	+ 24
		1FS87	+ 11
UM1	Radio AM with Stereo Tape		+ 20
UM2	Radio AM-FM with Stereo Tape		+ 21
U58	Radio AM/FM Stereo		+ 15
U63	Radio AM Pushbutton		+ 7
U69	Radio AM/FM Pushbutton		+ 9
U80	Auxiliary Speaker		+ 5
UA1	Heavy Duty Battery	With L6 Engine	+ 11
		With V8 Engine	+ 9
V30	Bumper Guards, Front and Rear		+ 7
ZJ7	Spec. Whl. Hub Cap & Trim Ring		+ 14
Z54	Interior Decor/Quiet Sound Group		+ 8
Base	250 Cu.In. 6 Cyl. Engine	With Turbo Hydra-matic Trans.	+ 23
LG3	305 Cu.In. V8 Engine	With Turbo Hydra-matic Trans.	+130
LM1	350 Cu.In. V8 Engine	With 4-Speed Transmission	+114
		With Turbo Hydra-matic Trans.	+131





# BODY

EXTERIOR PAINT PROCESS . . . . .	2
EXTERIOR-INTERIOR COLORS . . . . .	3, 4, 5, 6
BODY CONSTRUCTION AND GLASS AREA . . . . .	7

## 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.

# EXTERIOR-INTERIOR COLORS

## EXTERIOR COLOR – VINYL ROOF COMBINATIONS

VINYL TOP COVER	EXTERIOR COLOR AVAILABILITY
Silver Metallic	White 11
	Silver Metallic 13
	Black 19
	Dark Blue Metallic 29
	Firethorn Metallic 36
	Light Red 75
Black	All available colors
White	All available colors
Light Blue Metallic	White 11
	Light Blue Metallic 22
	Dark Blue Metallic 29
Lt. Buckskin	White 11
	Black 19
	Firethorn Metallic 36
	Aqua Metallic 38
	Medium Green Metallic 44
	Light Buckskin 61
	Buckskin Metallic 63
	Brown Metallic 69
	Light Red 75
	Orange Metallic 78
Medium Green Metallic	White 11
	Medium Green Met. 44
Firethorn Metallic	White 11
	Firethorn Metallic 36

# EXTERIOR-INTERIOR COLORS

## 1977 CHEVROLET CAMARO 'F' INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR COLORS				
		Black	Light Blue		Light Buckskin	
		Vinyl	Cloth	Vinyl	Vinyl	Cloth
Standard - 1FQ00 Coupe (87)	(A51) Bucket	19R			62R/64R	62B/64B
Type LT - 1FS00 Coupe (87)	(A51) Bucket	19N	24C	24N	62N/64N	62C/64C
EXTERIOR COLOR	Color Code	Black	Light Blue		Light Buckskin	
White	11	R	R		R	
Silver Metallic	13	R	-		-	
Black	19	R	A		R	
Lt. Blue Metallic	22	R	R		-	
Dark Blue Metallic	29	A	R		-	
Firethorn Metallic	36	A	-		R	
Dark Aqua Metallic	38	A	-		A	
Med. Green Metallic	44	A	-		A	
Bright Yellow	51	R	-		-	
Light Buckskin	61	R	-		R	
Buckskin Metallic	63	R	-		R	
Brown Metallic	69	-	-		R	
Red	75	A	-		R	
Orange Metallic	78	R	-		R	

R-Recommended

A-Acceptable

### CLOTH AND VINYL USAGE

N-Plisse vinyl (horizontal rib); Wallaby bolster

R-Oxen vinyl; Oxen bolster

B-Radcliffe, 722 WC, woven sport cloth; Radcliffe bolster

C-Regis, 723 WC, knit cloth; Dover bolster

Override RPO ZP2 will be provided to permit ordering of any interior-exterior color combination.

# EXTERIOR-INTERIOR COLORS

## 1977 CHEVROLET CAMARO 'F' INTERIOR-EXTERIOR COLOR COMBINATIONS

MODEL	Seat Type	INTERIOR COLORS						
		Dark Firethorn		White				
		§	§	†	†	†	†	†
		Cloth	Vinyl	Vinyl /Black	Vinyl /Dark Blue	Vinyl /Dark Firethorn	Vinyl /Aqua	Vinyl /Dark Saddle
Standard – 1FQ00 Coupe (87)	(A51) Bucket	71B/72B	71R/72R	11R	02R	07R	03R	06R
Type LT – 1FS00 Coupe (87)	(A51) Bucket	61C/72C		11N	02N	07N	03N	06N
EXTERIOR COLOR	Color Code	Dark Firethorn		White/Black	White/Dk. Blue	White/Dk. Firethorn	White/Dk. Aqua	White/Dk. Saddle
White	11	R		R	R	R	R	R
Silver Metallic	13	R		R	–	–	–	–
Black	19	R		R	–	R	R	R
Lt. Blue Metallic	22	–		A	R	–	–	–
Dark Blue Metallic	29	–		A	R	–	–	–
Firethorn Metallic	36	R		A	–	R	–	–
Dark Aqua Metallic	38	–		R	–	–	R	–
Med. Green Metallic	44	–		A	–	–	–	–
Bright Yellow	51	–		R	–	–	–	–
Light Buckskin	61	R		A	–	–	–	R
Buckskin Metallic	63	–		A	–	–	–	R
Brown Metallic	69	–		A	–	–	–	R
Red	75	R		A	–	R	–	–
Orange Metallic	78	–		R	–	–	–	–

R – Recommended  
A – Acceptable

Override RPO ZP2 will be provided to permit ordering of any interior-exterior color combination.

### CLOTH AND VINYL USAGE

N–Plisse vinyl (horizontal rib); Wallaby bolster  
R–Oxen vinyl; Oxen bolster  
B–Radcliffe, 722 WC, woven sport cloth; Radcliffe bolster  
C–Regis, 723 WC, knit cloth; Dover bolster

NOTES: † 11R/11N – White interior with Black Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.  
† 02R/02N – White interior with Dark Blue Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.  
† 03R/03N – White interior with Dark Aqua Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.  
† 06R/06N – White interior with Dark Saddle Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.  
† 07R/07N – White interior with Dark Firethorn Instrument Panel, Carpet, Cowl Kick Panel, and Package Shelf.

\* 62 – Light Buckskin Interior with Black Big Four; 64 – Light Buckskin Interior with Dark Saddle Big Four.  
§ 71 – Dark Firethorn Interior with Dark Firethorn Big Four; 72 – Dark Firethorn Interior with Black Big Four.

# EXTERIOR-INTERIOR COLORS

## 1977 CAMARO 1FA00 "RALLY SPORT" (RPO Z85) EXTERIOR COLOR & STRIPE COMBINATION

EXTERIOR COLOR				TRI-COLOR STRIPE		
LOWER		UPPER (Accent)				
White	11	Black W30A 848	18	Dk. Red (WMH 4410)	Med. Red (WMH 4409)	Red/Orange (WMH 4930)
Silver Met.	13	Black W30A 848	18	Dk. Gray Met. (WMH 4417)	Gray Met. (WMH 3592)	Silver Met. (WMH 5025)
Silver Met.	13	Med. Gray Met. WA 4969	16	Dk. Gray Met. (WMH 4417)	Gray Met. (WMH 3592)	Silver Met. (WMH 5025)
Lt. Blue Met.	22	Dk. Blue Met. WA 4965	29	Dk. Blue (WMH 4990)	Med. Blue (WMH 4779)	Lt. Blue (WMH 4041)
Firethorn Met.	36	Black W30A 848	18	Dk. Red (WMH 4410)	Med. Red (WMH 4409)	Red/Orange (WMH 4930)
Dk. Aqua Met.	38	Black W30A 848	18	Dk. Aqua (WMH 4991)	Med. Aqua (WMH 4992)	Lt. Aqua (WMH 4993)
Bright Yellow	51	Black W30A 848	18	Orange (WMH 4934)	Yellow/Orange (WMH 4935)	Yellow (WMH 4936)
Lt. Buckskin	61	Buckskin Met. WA 4997	63	Orange/Brown (WMH 5225)	Orange (WMH 4994)	Orange/Yellow (WMH 4995)
Red (Light)	75	Black W30A 848	18	Dk. Red (WMH 4410)	Med. Red (WMH 4409)	Red/Orange (WMH 4930)
Orange Met.	78	Black W30A 848	18	Orange/Brown (WMH 5225)	Orange (WMH 4994)	Orange/Yellow (WMH 4995)

NOTE: "RALLY SPORT" lettering on front fenders and rear end is BLACK, WMH 848.

# 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

Type . . . . . Dual, 2-speed electric; non-depressed park with dull-chromed arms and blades: 15-inch blades.  
 Linkage . . . . . Parallel acting  
 Optional system (Std. with Type LT) . . . . . 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)	1139.8
Back window	1212.7
Total area (sq.in.)	3490.1

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





# CHASSIS

FRAME AND FRONT SUSPENSION . . . . .	2 & 3
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# FRAME AND FRONT SUSPENSION

## FRAME

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

## FRONT SUSPENSION

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

Wheel travel (design)  
Total . . . . . 6.91  
Jounce . . . . . 3.15  
Rebound . . . . . 3.76  
Wheel to spring travel ratio . . . . . 2.04:1

## CONTROL ARMS

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

## STEERING KNUCKLES

Description . . . . . Nodular iron with integral brake cylinder mounting pad and detachable steering knuckle arm.

Spindle diameters  
Inner bearing . . . . . 1.2493-1.2498  
Outer bearing . . . . . .7493-.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  
Diameter . . . . . .938

## FRONT WHEEL ALIGNMENT (CURB)

Camber (degrees) . . . . .  $P1 \pm 3/4$   
Caster (degrees) . . . . .  $1 \pm 1$   
Toe In (total) . . . . .  $1/16 \pm 1/8$   
Steering axis inclination . . . . .  $10.35 @ 1^{\circ}$  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.)
344536	AB	126.89	.633	8.40	300	17.86	11.0 @ 1980
344537	AF	126.92	.633	8.40	300	17.86	11.0 @ 2000
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
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.
Type - Power	Integral recirculating ball nut with hydraulic pressure provided from a vane type pump.
Ratios, Gear	16.0:1 on center to 13.0:1
Ratios, Overall	15.03:1 on center to 10.61:1
Number of wheel turns, lock to lock	2.41
Linkage	Parallelogram, front of wheels, (2) tie rods
Turning Diameters (ft.) outside front	
Wall to wall	41.1
Curb to curb	38.5
Outside wheel angle with inside wheel @ 20°	19.1

## DRIVELINE

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

## WHEELS

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

## TIRES, STANDARD EQUIPMENT

Size	
FR78 x 14B – Steel belted radial	
Static loaded radius	11.6
Loaded rev/mi @ 45 mph	797
Capacity @ 24 psi	1280

## TIRES, OPTIONAL EQUIPMENT

Size	
E78 x 14B – Bias belted	
Static loaded radius	12.04
Loaded rev/mi @ 45 mph	796
Capacity @ 24 psi	1190

# 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 80-90  
 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
2.56:1 . . . . .	16.41
2.73:1 . . . . .	41.15
3.08:1 . . . . .	40.13

## 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 7.81; Right 8.09  
 Jounce . . . . . 2.88  
 Rebound . . . . . Left 4.93; Right 5.21  
 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 <sup>102</sup>	
					Rate (lbs./in.)	.71 Spring Camber (lbs.)
480879	5	56.0	2.5	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 (a)	
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.)	38.76		
	Effective area (sq. in.)	36.80		
	Swept area (sq. in.)	210.4		
	Piston diameter	2.94		
Rear Brakes	Type	Drum – Composite, web cast into rim, finned construction		
	Material	Web – HR steel. Rim – cast alloy iron		
	Diameter and Width	9.5 x 2.0		
	Lining material	Molded asbestos composition		
	Method of attachment	Riveted		
	Lining size (length x width x thickness)	Primary	7.30 x 2.00 x 0.23	
		Secondary	9.46 x 2.00 x 0.23	
	Lining area (sq. in.)	67.04		
	Effective area (sq. in.)	63.72		
	Swept area (sq. in.)	116.06		
Piston diameter	.938			
Apply System	Master cylinder diameter	1.00	1.125	
	Piston travel	1.253	1.408	
	Pedal travel	7.38	5.44	
	Pedal ratio	6.22:1	3.58:1	
	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	63.72		

(a) Standard with V-8 engine models.

# 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	1-561	12
Generator indicator	1-194	2
Glove compartment	1-1891 without A/C	2
	1-194 with A/C	2
Headlamp	2-6012	High beam 60W
		Low beam 50W
Headlamp hi-beam indicator	1-194	2
Heater or air conditioning control	1-161	1
Instrument cluster	6-194 (U14, Z54)	
Dash panel	4-194 (Std.)	2
License plate	2-168	3
Luggage compartment	1-1003	15
Oil pressure indicator	1-194	2
Parking		
Park	2-1157NA	2.2
Turn		24
Radio dial		
- U63	1-1893	2
- U69	1-216	1
Radio dial and indicator RPO U58	2-216 (dial)	1
	1-66 (indicator)	.1
Radio dial and indicator RPO UM1 and/or UM2	1-1893 (dial)	2
	1-DS410 (ind.)	Led (a)
Seat belt warning	1-194	2
Side Marker - Front	2-194	2
Side Marker - Rear	2-194	2
Tail		
Tail	2-1157	3
Stop and turn		32
Temperature indicator	1-194	2
Underhood lamp	1-93	15
Windshield washer wiper	1-194	2

(a) Light emitting diode.

# FUSES AND CIRCUIT BREAKERS

CIRCUIT	TYPE OF PROTECTION	LOCATION AND CIRCUIT*
Air conditioning	30 amp fuse	In line
Back-up lamps	25 amp fuse	Fuse panel (h)
Brake warning lamp	20 amp fuse	Fuse panel (b)
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	10 amp fuse	Fuse panel (c)
Direction signal indicator lamps	10 amp fuse	Fuse panel (b)
Dome lamp	20 amp fuse	Fuse panel (e)
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
Headlamp buzzer	10 amp fuse	Fuse panel (c)
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)
Key warning buzzer	20 amp fuse	Fuse panel (e)
License lamp	20 amp fuse	Fuse panel (d)
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	4 amp fuse	Fuse panel (f)
Seat belt warning lamp	10 amp fuse	Fuse panel (c)
Seat belt warning buzzer	10 amp fuse	Fuse panel (c)
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 (c)
Temperature indicator lamp	10 amp fuse	Fuse panel (c)
Idle stop solenoid	10 amp fuse	Fuse panel (g)
Traffic hazard indicator	20 amp fuse	Fuse panel (a)
Speed cruise control	10 amp fuse	Fuse panel (c)
Stop and turn lamps	20 amp fuse	Fuse panel (a)
Underhood lamp	15 amp fuse	In line
Windshield wiper, two-speed	25 amp fuse	Fuse panel
Windshield washer	4 amp fuse	Fuse panel (f)

\* Letter suffix indicates same circuit



# POWER TRAINS

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# POWER TEAM COMBINATIONS

ENGINE	TRANSMISSION	MODEL APPLICATION	AXLE RATIOS*			RING GEAR
			BELOW 4000 FT.		ABOVE 4000 FT. ALT.	
			BASE	OPT.		
250 Cubic Inch L-6 (4.1 litre) – (L22) Base – all states	3-Speed (3.11:1 low) (a)	All Models	2.73:1	3.08:1	–	8.50
	Turbo Hydra-matic				3.08:1	
305 Cubic Inch V-8 (5.0 litre) – (LG3) Optional – all states	3-Speed (3.11:1 low) (a)	All Models	2.73:1	–	–	8.50
	Turbo Hydra-matic		2.56:1			
350 Cubic Inch V-8 (5.7 litre) – (LM1) Optional – all states	4-Speed (2.85:1 low) (a)	All Models	3.08:1	–	–	8.50
	Turbo Hydra-matic		2.56:1	3.08:1	3.08:1	

\* Positraction axles available optionally.  
 (a) Not available in California.

## 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	8.49	5.02	2.73	—	8.79	2.73
305 Cu.In. V-8 RPO LG3	2-Barrel	3-Speed	8.49	5.02	2.73	—	8.79	2.73
350 Cu.In. V-8 RPO LM1	4-Barrel	4-Speed	8.77	6.22	4.16	3.08	8.78	3.08

### WITH AUTOMATIC TRANSMISSIONS

ENGINE	TRANSMISSION	SELECTOR POSITION	TOTAL TORQUE MULTIPLICATION	AXLE RATIO
250 Cu.In. L-6 Standard	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 - 5.30:1	
305 Cu.In. V-8 RPO LG3	Turbo Hydra-matic	Drive	12.90:1 - 2.56:1	2.56:1
		Low	12.90:1 - 6.45:1	
		Second	12.90:1 - 3.89:1	
		Reverse	9.94:1 - 4.97:1	
350 Cu.In. V-8 RPO LM1	Turbo Hydra-matic	Drive	12.90:1 - 2.56:1	2.56:1
		Low	12.90:1 - 6.45:1	
		Second	12.90:1 - 3.89:1	
		Reverse	9.94:1 - 4.97:1	

# ENGINE DATA AND RATINGS

## GENERAL DATA

Engine	L-6 OHV	V-8 OHV		
Piston Displacement (Cu. In.)	250	305	350	
Availability	Standard (L22)	RPO LG3	RPO LM1	
Number of Cylinders	Six	Eight		
Bore (nominal)	3.875	3.736	4.00	
Stroke (nominal)	3.53	3.48		
Compression Ratio	8.3:1	8.5:1		
Taxable (SAE Horsepower)	36.0	44.7	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		
	Turbo Hydra-matic (in drive)	600		
Comp. Press. (PSI) @ Cranking Speed, Engine Hot	130	160		
Power Plant Mountings	Front	Two, preloaded captive cushion type		
	Rear	One; full shear type		
Measurements	Fan to rear of engine block	35.78	31.55	
	Top of a/cldr to bottom of oil pan	27.22	29.60	28.52
	Width - including air cleaner (a)	17.76	28.53	

(a) L6 engine - (oil filter to exhaust manifold); V8 engines (across exhaust manifold)

## ADVERTISED ENGINE RATING

Engine Designation	L-6 250 Cu. In.	V-8 305 Cu. In.	V-8 350 Cu. In.	
Availability	Standard (L22)	RPO LG3	RPO LM1	
Carburetor	Single Barrel	Two Barrel	Four Barrel	
Net HP @ Engine RPM	Federal	110 @ 3800 (a)	145 @ 3800	170 @ 3800
	California	90 @ 3600	135 @ 3800	160 @ 3800 (a)
Net Torque @ RPM (lb.ft.)	Federal	195 @ 1600 (a)	245 @ 2400	270 @ 2400
	California	180 @ 1600	240 @ 2000	260 @ 2400 (a)

(a) Also Federal ratings above 4000 feet altitude.

# ENGINE SPEED AND PISTON TRAVEL

## L-6 250 CU. IN. ENGINE

Transmission	3-Speed	Turbo Hydra-matic
Rear Axle Ratio	2.73:1	
Tire Size	FR78 x 14B	
Crankshaft Revolutions per Mile	2175.8	
Crankshaft RPM @ 1 MPH	Low	91.4
	Second	55.1
	Third	36.3 (direct)
	Reverse	70.0
Piston Travel (ft/mile)	1280:1	

## V-8 305 CU. IN. ENGINE (RPO LG3)

Transmission	3-Speed	Turbo Hydra-matic
Rear Axle Ratio	2.73:1	2.56:1
Tire Size	FR78 x 14B	
Crankshaft Revolutions per Mile	2175.8	2040.3
Crankshaft RPM @ 1 MPH	Low	85.6
	Second	52.6
	Third	34.0
	Fourth	—
	Reverse	65.9
Piston Travel (ft/mile)	1262.0	1183.4

## V-8 350 CU. IN. ENGINE (RPO LM1)

Transmission	4-Speed	Turbo Hydra-matic
Rear Axle Ratio	3.08:1	2.56:1
Tire Size	FR78 x 14B	
Crankshaft Revolutions per Mile	2454.8	2040.3
Crankshaft RPM @ 1 MPH	Low	85.6
	Second	51.6
	Third	34.0
	Fourth	—
	Reverse	65.9
Piston Travel (ft/mile)	1423.8	1183.4

# VEHICLE PERFORMANCE FACTORS

ENGINE	250 CU.IN.	305 CU.IN.	350 CU.IN.
MODEL	1FQ87	1FQ87	1F587

## 3-SPEED TRANSMISSION

Performance Weight (pounds)		4079	4186	
Pounds/Net Horsepower	Federal	37.08	28.87	
	California	45.32	31.01	
Pounds/Cu. In. Displacement		16.32	13.72	
Net HP/Cu.In. Displacement	Federal	.440	.475	
	California	.360	.443	
Power Displacement (cu.ft./mile)		157.39	192.02	
Displacement Factor (cu.ft./ton mile)		77.17	91.74	

## 4-SPEED TRANSMISSION

Performance Weight (pounds)				4246
Pounds/Net Horsepower	Federal			24.98
	California			26.54
Pounds/Cu.In. Displacement				12.13
Net HP/Cu.In. Displacement	Federal			.486
	California			.457
Power Displacement (cu.ft./mile)				248.60
Displacement Factor (cu.ft./ton mile)				117.10

## TURBO HYDRA-MATIC

Performance Weight (pounds)		4102	4209	4263
Pounds/Net Horsepower	Federal	37.29	29.03	25.08
	California	45.58	31.18	26.64
Pounds/Cu.In. Displacement		16.41	13.80	12.18
Net HP/Cu.In. Displacement	Federal	.440	.475	.486
	California	.360	.443	.457
Power Displacement (cu.ft./mile)		157.39	180.06	206.63
Displacement Factor (cu.ft./ton mile)		76.74	85.56	96.94

## 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

## CYLINDER BLOCK

Material	Cast alloy iron
Bore Diameter	
L6-250 Cu.In.	3.8745-3.8775
V8-305 Cu.In.	3.7355-3.7385
V8-350 Cu.In.	3.9995-4.0025
Bearing Caps (Number, material & attachment)	
L6-250 Cu.In.	7, cast iron, 2-bolt
V8-305 & 350 Cu.In.	5, cast iron; 2-bolt
Water Jacket	Full length around each cylinder
Bore Spacing (Centerline to Centerline)	
L6-250 Cu.In.	4.4
V8-305 & 350 Cu.In.	4.4

## CYLINDER HEAD

Material	High chrome cast alloy iron
Bolt No. & Size	
L6-250 Cu.In.	14; .500 dia. 13 threads/in.
V8-305 & 350 Cu.In.	34; .4375 dia. 14 threads/in.

## COMBUSTION CHAMBER VOLUME

(Total chamber volume of assembled engine with piston at top center)	
L6-250 Cu.In.	5.77 Cu.In.
V8-305 Cu.In.	5.13 Cu.In.
V8-350 Cu.In.	6.27 Cu.In.

## INLET MANIFOLD

Material	Cast alloy iron
Type	
L6-250 Cu.In.	Integral with cylinder head
V8-305 & 350 Cu.In.	8 port, double deck

## EXHAUST MANIFOLD

Material	Cast alloy iron
Type	
L6-250 Cu.In.	4 port, center downtake
V8-305 & 350 Cu.In.	Dual, 4 port, rear downtake
Outlet Diameter (Nominal)	
L6-250 Cu.In.	2.25
V8-305 & 350 Cu.In.	2.00

## CRANKSHAFT

Material	
L6-250 Cu.In.	Cast nodular iron
V8-305 & 350 Cu.In.	Cast nodular iron
End Play	
L6-250 Cu.In.	.002-.006
V8-305 & 350 Cu.In.	.002-.007
Counter Weights	
L6-250 Cu.In.	12
V8-305 & 350 Cu.In.	6
Crank Arm Length	
L6-250 Cu.In.	1.765
V8-305 & 350 Cu.In.	1.740
Torsional Damper	Rubber mounted inertia
Timing Gear	
L6-250 Cu.In.	Gear: cast iron
V8-305 & 350 Cu.In.	Chain: sintered iron
Pulley Pitch Diameter	6.64

## MAIN BEARINGS

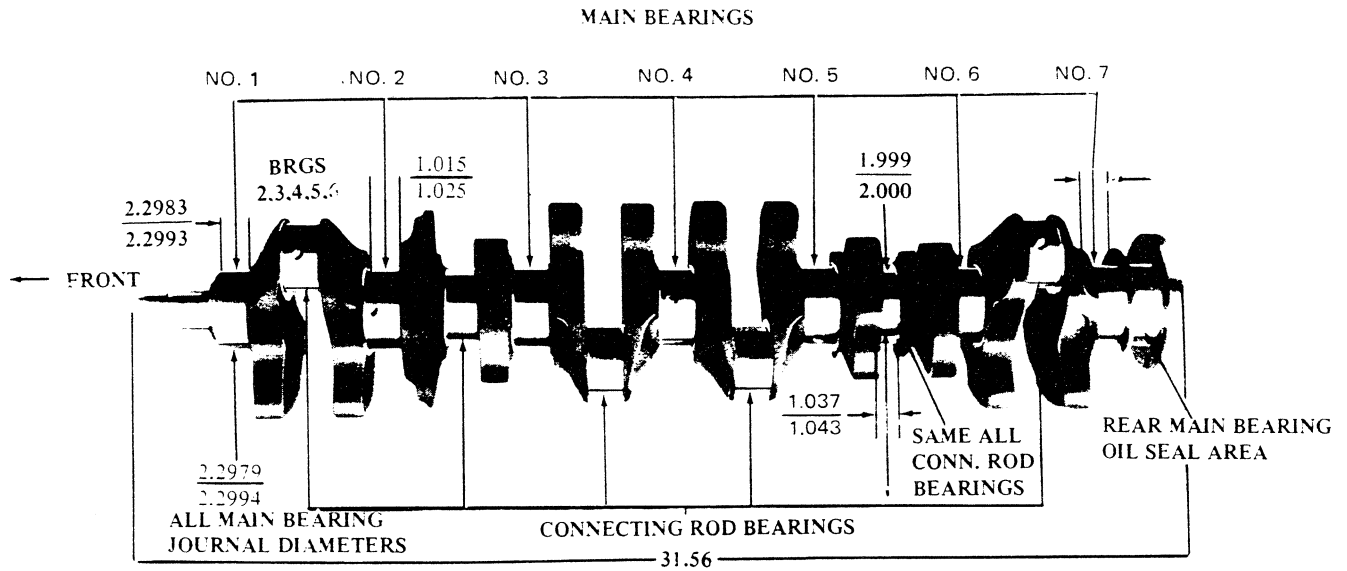
Material	Steel; backed insert; (copper lead alloy or premium aluminum lining selected for specific engine application)
Type	Precision removable
Thrust Against Bearing No.	L6 - No. 7; V8 - No. 5
Clearance	
L6-250 Cu.In.	.0003-.0029
V8-305 & 350 Cu.In.	(No. 1) .0008-.0020 (No. 2-3-4) .0011-.0023; (No. 5) .0017-.0033

Dimensions	Theoretical	Effective	Projected
	Inner Dia.	Length	Area
<b>L6-250 Cu.In.</b>			
Bearing No. 1-6	2.2999	.752	1.7295
Bearing No. 7	2.2999	.760	1.7479
<b>V8-305 &amp; 350 Cu.In.</b>			
Bearing No. 1-4	2.4502	.752	1.8425
Bearing No. 5	2.4508	1.177	2.8846

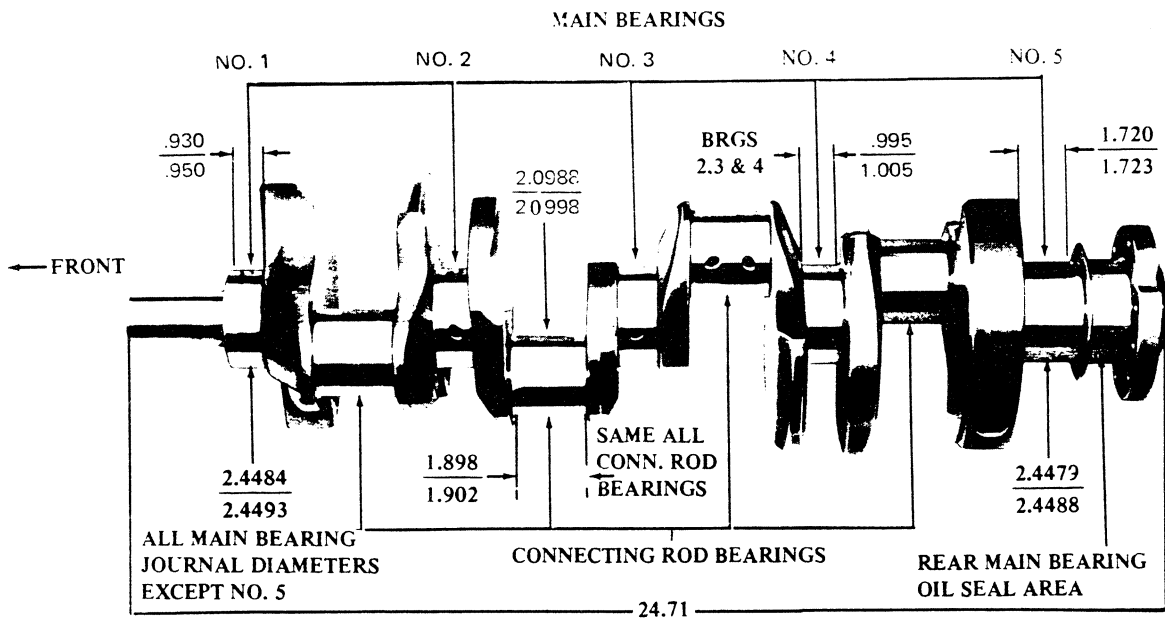
# PRINCIPAL COMPONENTS

## CRANKSHAFTS AND BEARINGS

### 250 CUBIC INCH SIX CYLINDER ENGINE



### V8-305 & 350 CUBIC INCH V-8 ENGINE





# PRINCIPAL COMPONENTS

## CAMSHAFT

Material . . . . . Cast alloy iron  
 Drive  
 L6 . . . . . Gear: aluminum alloy  
 V8 . . . . . Chain: nylon teeth with aluminum head  
 Lobe Lift  
 L6-250 Cu.In. . . . . .2217 Inlet: .2315 Exhaust  
 V8-305 Cu.In. . . . . .2484 Inlet: .2733 Exhaust  
 V8-350 Cu.In. . . . . .2600 Inlet: .2733 Exhaust  
 Camshaft Bearings . . . . . Steel backed babbit

## VALVE TRAIN

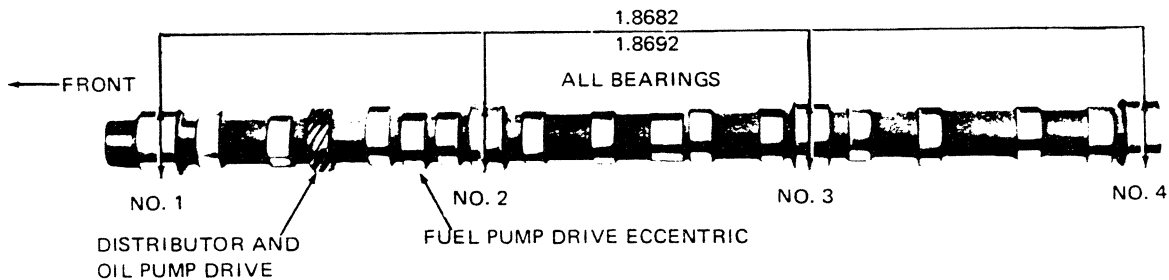
Type . . . . . Individually mounted, overhead valves and rocker arms, push rod actuated.  
 Lifters . . . . . Hydraulic  
 Rocker Arms . . . . . Stamped steel  
 Ratio  
 L6-250 Cu.In. . . . . . 1.75:1  
 V8-305 & 350 Cu.In. . . . . 1.50:1  
 Push Rods . . . . . Hollow steel with hardened ends:  
 Rotators (V8-305 & 350 Cu.In.) . . . . . Exhaust

## VALVE SPRINGS

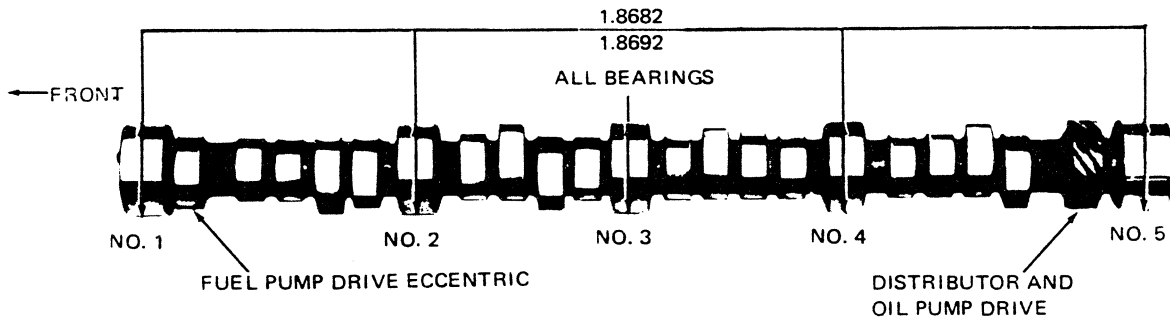
Diameter  
 L6-250 Cu.In. . . . . .872-.888  
 V8-305 & 350 Cu.In. . . . . .868-.884  
 Installed Length (lb. + in.)  
 Valves Closed  
 L6-250 Cu.In. . . . . .76-86 + 1.66  
 V8-305 & 350 Cu.In.  
 Inlet . . . . . .76-84 + 1.70  
 Exhaust . . . . . .76-84 + 1.61  
 Valves Opened  
 L6-250 Cu.In. . . . . .170-180 + 1.26  
 V8-305 & 350 Cu.In.  
 Inlet . . . . . .194-206 + 1.25  
 Exhaust . . . . . .194-206 + 1.16  
 Free Length  
 L6-250 Cu.In. . . . . . 1.90  
 V8-305 & 350 Cu.In. . . . . 2.03  
 Valve Spring Damper  
 L6-250 Cu.In. . . . . . None  
 V8-305 & 350 Cu.In. . . . . Flat steel, 4 coils  
 Oil Shields . . . . . Steel cup

## CAMSHAFT AND BEARINGS

### 250 CUBIC INCH L-6 ENGINE



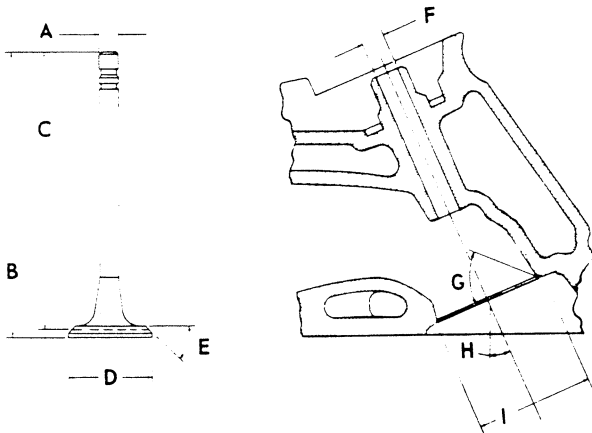
### V8-305 & 350 CUBIC INCH V-8 ENGINES



# PRINCIPAL COMPONENTS

## INLET VALVES

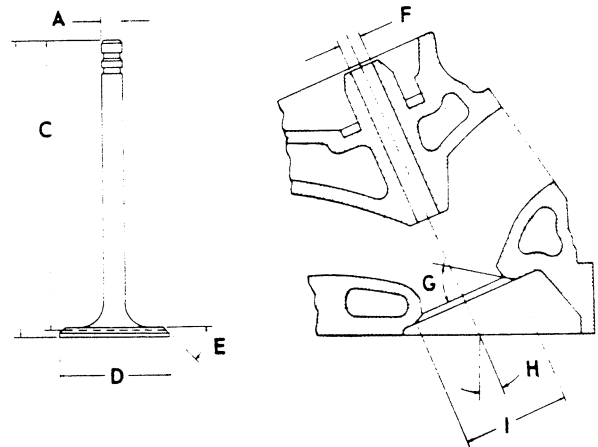
Material	Alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-305 Cu.In.	Aluminized face
V8-350 Cu.In.	None
All Stems	Chrome flash



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-305 & 350 Cu.In.	.3410-.3417
B - Overall Length	
L6-250 Cu.In.	4.902-4.922
V8-305 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
V8-305 & 350 Cu.In.	4.785-4.795
D - Overall Head Diameter	
L6-250 Cu.In.	1.715-1.725
V8-305 Cu.In.	1.715-1.725
V8-350 Cu.In.	1.935-1.945
E - Angle of Face	45°
F - Guide Diameter	.3427-.3437
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-305 & 350 Cu.In.	23°
I - Valve Seat Diameter	
L6-250 Cu.In.	1.591-1.597
V8-305 & 350 Cu.In.	1.823-1.829

## EXHAUST VALVES

Material	High alloy steel
Coating	
L6-250 Cu.In.	Aluminized face
V8-305 Cu.In.	Aluminized face
V8-350 Cu.In.	Aluminized face
All Stems	Chrome flash



A - Stem Diameter	
L6-250 Cu.In.	.3410-.3417
V8-305 & 350 Cu.In.	.3410-.3417
B - Overall Length	
L6-250 Cu.In.	4.913-4.933
V8-305 Cu.In.	4.913-4.933
V8-350 Cu.In.	4.910-4.930
C - Gage Length	
L6-250 Cu.In.	4.781-4.791
V8-305 & 350 Cu.In.	4.781-4.791
D - Overall Head Diameter	
L6-250 Cu.In.	1.495-1.505
V8-305 Cu.In.	1.495-1.505
V8-350 Cu.In.	1.495-1.505
E - Angle of Face	45°
F - Guide Diameter	.3427-.3437
G - Angle of Seat	46°
H - Valve Angle	
L6-250 Cu.In.	9°
V8-305 & 350 Cu.In.	23°
I - Valve Seat Diameter	
L6-250 Cu.In.	1.321-1.327
V8-305 & 350 Cu.In.	1.321-1.327

# PRINCIPAL COMPONENTS

## VALVE LIFT

L6-250 Cu.In.	.3880 Inlet; .4051 Exhaust
V8-305 Cu.In.	.3727 Inlet; .4100 Exhaust
V8-350 Cu.In.	.3900 Inlet; .4100 Exhaust

## VALVE TIMING (Crankshaft degrees – Excluding Ramps)

L6-250 Cu.In.	
Inlet Valve	
Opens - BTC	16°
Closes - ABC	48°
Duration	244°
Exhaust Valve	
Opens - BBC	64°
Closes - ATC	50°
Duration	294°
V8-305 Cu.In.	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	64°
Duration	272°
Exhaust Valve	
Opens - BBC	78°
Closes - ATC	30°
Duration	288°
V8-350 Cu.In.	
Inlet Valve	
Opens - BTC	28°
Closes - ABC	72°
Duration	280°
Exhaust Valve	
Opens - BBC	78°
Closes - ATC	30°
Duration	288°

## PISTONS

### Material

L6-250 Cu.In.	Cast alum. alloy
V8-350 Cu.In.	Cast alum. alloy

### Head Type

L6-250 Cu.In.	Sump
V8-305 & 350 Cu.In.	Sump

### Skirt Type

	Slipper
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### Top Land Clearance

L6-250 Cu.In.	.0245-.0335
V8-305 Cu.In.	.0245-.0335
V8-350 Cu.In.	.0235-.0325

### Skirt Clearance

L6-250 Cu.In.	.0005-.0015
V8-305 Cu.In.	.0017-.0042
V8-350 Cu.In.	.0007-.0017

### Compression Ring Groove Depth

L6-250 Cu.In.	.2153-.2218
V8-305 Cu.In.	.2003-.2073
V8-350 Cu.In.	.2218-.2308

### Oil Ring Groove Depth

L6-250 Cu.In.	.2093-.2158
V8-305 Cu.In.	.2103-.2193
V8-350 Cu.In.	.2038-.2128

### Pin Bore Offset

	.055-.065
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### Compression Height

L6-250 Cu.In.	1.658-1.662
V8-305 Cu.In.	1.538-1.562
V8-350 Cu.In.	1.558-1.562

## PISTON PINS

### Material

	Chromium steel
--	----------------

### Length

L6-250 Cu.In.	2.990-3.010
V8-305 & 350 Cu.In.	2.990-3.010

### Diameter

L6-250 Cu.In.	.9270-.9273
V8-305 & 350 Cu.In.	.9270-.9273

### Clearance in Piston

L6-250 Cu.In.	.00015-.00025
V8-305 & 350 Cu.In.	.00025-.00035

### 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 molybdenum inlay, grahite impregnated
V8-305 & 350 Cu.In.	Chrome flash
Width	
L6-250 Cu.In.	.0775-.0780
V8-305 Cu.In.	.0770-.0780
V8-350 Cu.In.	.0775-.0780
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-305 Cu.In.	.167-.177
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
V8-305 & 350 Cu.In.	.0770-.0775
Wall Thickness	
L6-250 Cu.In.	.184-.194
V8-305 Cu.In.	.167-.177
V8-350 Cu.In.	.190-.200
Gap	
L6-250 Cu.In.	.010-.020
V8-305 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.	.1850-.1870
V8-305 Cu.In.	.1859-.1879
V8-350 Cu.In.	.1850-.1870
Wall Thickness	
L6-250 Cu.In.	.152-.158
V8-305 Cu.In.	.138-.143
V8-350 Cu.In.	.150-.156
Gap	
L6-250 Cu.In.	.015-.055
V8-305 Cu.In.	.010-.035
V8-350 Cu.In.	.015-.055
Rail Coatings	Chrome plated

## CONNECTING RODS

Material	Drop forged steel
Length (center to center)	5.695-5.705

## CONNECTING ROD BEARINGS

Material	
L6-250 Cu.In.	Premium aluminum
V8-305 & 350 Cu.In.	Premium aluminum
Type	Precision removable
Clearance	
L6-250 Cu.In.	.0007-.0027
V8-305 & 350 Cu.In.	.0013-.0035
Theoretical I.D.	
L6-250 Cu.In.	2.0017
V8-305 & 350 Cu.In.	2.1012
Effective Length	
L6-250 Cu.In.	.807
V8-305 & 350 Cu.In.	.797
End Play	
L6-250 Cu.In.	.007-.016
V8-305 & 350 Cu.In.	.006-.016



# EXHAUST SYSTEMS

## TYPE

L6-250 Cu.In. . . . . Single exhaust and converter  
 V8-305 & 350 Cu.In. . . . . Single exhaust and  
 converter with crossover pipes

## MUFFLERS

Type . . . . . Oval, reverse flow  
 Construction . . . . . Heads and body joined by  
 rolled lock seam construction  
 Head . . . . . .054 sheet steel, aluminized  
 Shell  
 L6-250 Cu.In. . . . . .036 sheet steel, aluminized  
 V8-305 & 350 Cu.In. .031 sheet steel, aluminized  
 Wrap . . . . . .060 indented asbestos sheet  
 Cover  
 L6-250 Cu.In. . . . . .018 sheet steel, aluminized  
 V8-305 & 350 Cu.In. .017 sheet steel, aluminized  
 Length, Body . . . . . 24.00  
 Width (I.D.)  
 L6-250 Cu.In. . . . . 4.06  
 V8-305 & 350 Cu.In. . . . . 4.00  
 Height (I.D.)  
 L6-250 Cu.In. . . . . 10.50  
 V8-305 & 350 Cu.In. . . . . 10.44

## EXHAUST PIPE TO CONVERTER

Dimension (O.D.) & Wall Thickness  
 L6-250 Cu.In. . . . . 2.25 x .078 laminated  
 V8-305 & 350 Cu.In. . . . 2.50 x .078 laminated

## EXHAUST PIPE - CONVERTER TO MUFFLER

Dimensions (O.D.)  
 L6-250 Cu.In. . . . . 2.25  
 V8-305 & 350 Cu.In. . . . . 2.25  
 Wall Thickness  
 L6-250 Cu.In. . . . . .071 laminated  
 V8-305 & 350 Cu.In. . . . . .071 laminated

## TAIL PIPES

Type  
 L6-250 Cu.In. . . . . Single  
 V8-305 & 350 Cu.In. . . . . Dual  
 Dimensions (O.D.)  
 L6-250 Cu.In. . . . . 2.00  
 V8-305 & 350 Cu.In. . . . . 2.00  
 Wall Thickness  
 L6-250 Cu.In. . . . . .062  
 V8-305 & 350 Cu.In. . . . . .062

## EXHAUST CROSSOVER PIPE

Dimensions (O.D.)  
 305 & 350 Cu.In. . . . . 2.00

## SYSTEM APPLICATION

System Type	Engine Adaptation		
	L6-250	V8-305	V8-350
	L22	LG3	LM1
PCV – Positive Crankcase Ventilation	***	***	***
EGR – Exhaust Gas Recirculation	***	***	***
CHA – Carburetor Hot Air	***	***	***
MAI – Manifold Air Injection	**	**	** (a)
FEC – Fuel Evaporation Control System	***	***	***
CCS – Controlled Combustion System	*	*	* (b)
UFC – Underfloor Converter	***	***	***
EFE – Early Fuel Evaporation	***	***	***
MMC – Monolith Manifold Converter	**	–	–

- \* – Not available in California
- \*\* – California only.
- \*\*\* – Available – all states.
- (a) And above 4000 feet.
- (b) Below 4000 feet only.

## 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 HOT AIR

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

### MANIFOLD AIR INJECTION

Compresses, regulates and distributes quantities of air to the manifold to more completely burn carbon monoxide and hydrocarbon emissions.

### EARLY FUEL EVAPORATION

System is designed to produce a very short engine warm-up cycle to improve vehicle driveability and reduce exhaust emission.

### 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.

### CONTROLLED COMBUSTION SYSTEM

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

### UNDERFLOOR CONVERTER

The flow of exhaust gases down through the catalyst within the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

### MONOLITH MANIFOLD CONVERTER

The flow of exhaust gases down through the catalyst, within the converter, effectively controls the hydrocarbon and carbon monoxide to a more desirable emission.

# LUBRICATION SYSTEM

## GENERAL

Type	Controlled full pressure
Main Bearings	Pressure
Connecting Rods	Pressure
Piston Pins	Splash
Cylinder Walls	
L6-250 Cu.In.	Main and connecting rod bearing throw off
V8-305 & 350 Cu.In.	Pressure, jet cross sprayed
Camshaft Bearings	Pressure
Valve Lifters	Pressure
Rocker Arms	Pressure
Timing Gears	
L6-250 Cu.In.	Nozzle sprayed
V8-305 & 350 Cu.In.	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	
L6-250 Cu.In.	Forward end of rocker cover
V8-305 & 350 Cu.In.	Rearward of left rocker cover

## OIL PAN CAPACITIES (Quarts)

Refill	
L6-250 Cu.In.	4
V8-305 & 350 Cu.In.	4
Refill with Filter Change	
L6-250 Cu.In.	4.5
V8-305 & 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
V8-305 & 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
V8-305 & 350 Cu.In.	4.3 @ 2000

## OIL FILTER

Type	Full flow, throw away canister
Location	
L6-250 Cu.In.	Right side front of engine
V8-305 & 350 Cu.In.	Left rear side of engine
Capacity	One pint
Bypass Valve	Opens between 9 to 11 PSI

## OIL PAN DRAIN PLUG

Type	Hex head
Location	
L6-250 Cu.In.	Front lower face of oil pan
V8-305 & 350 Cu.In.	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
V8-305 & 350 Cu.In.	Left side, rear of engine block



## GENERAL

Type . . . Pressure, vented thru coolant recovery system  
 Capacity with Heater  
   L6-250 Cu.In. . . . . 14.6 qts.  
   V8-305 Cu.In. . . . . 17.2 qts.  
   V8-350 Cu.In. . . . . 17.3 qts.

## RADIATOR

Make and Type . . . . . Harrison, tube and center  
 Core Constant  
   Distance between Fins  
     L6-250 Cu.In. . . . . .22 Man., .20 Auto.  
     V8-305 Cu.In. . . . . .18 Syn., .16 Auto.  
     V8-350 Cu.In. . . . . .16 Syn. & .18 Auto.  
   Distance between Tubes . . . . . .55  
   Thickness of Core  
     L6-250 Cu.In. . . . . .1.24  
     V8-305 Cu.In. . . . . .1.24  
     V8-350 Cu.In. . . . . .1.24  
   Frontal Area (Sq.In.)  
     L6-250 Cu.In. . . . . .353  
     V8-305 Cu.In. . . . . .353  
     V8-350 Cu.In. (Manual) . . . . .353  
       (Auto.) . . . . .446  
   Overflow . . . . . Separate coolant bottle

## RADIATOR HEAVY DUTY (RPO V01)

Core Constant  
   Distance between Fins  
     L6-250 Cu.In. . . . . .16 Syn. & Auto.  
     V8-305 Cu.In. . . . . .16 Syn. & Auto.  
     V8-350 Cu.In. . . . . .16 Syn., .20 Auto.  
   Distance between tubes . . . . . .55  
   Thickness of Core  
     L6-250 Cu.In. . . . . .1.24  
     V8-305 Cu.In. . . . . .1.96  
     V8-350 Cu.In. . . . . 1.24 Syn., 1.96 Auto.  
   Frontal Area (Sq.In.)  
     L6-250 Cu.In. . . . . .446  
     V8-305 Cu.In. . . . . .446  
     V8-350 Cu.In. . . . . .446  
   Overflow . . . . . Separate coolant bottle

## THERMOSTAT

Type . . . . . Pellet  
 Begins to Open at . . . . . 192<sup>o</sup>-198<sup>o</sup>  
 Fully Opened at . . . . . 227<sup>o</sup>

## RADIATOR CAP RELIEF VALVE

Opens at . . . . . Approximately 15 PSI

## RADIATOR HOSE

Outlet, Lower (Radiator to Water Pump)  
   L6-250 Cu.In. . . . . 1.75 ID  
   V8-305 Cu.In. & 350 Cu.In. . . . . 1.75 ID  
 Inlet, Upper (Thermostat Housing to Radiator)  
   L6-250 . . . . . 1.50 ID  
   V8-305 & 350 Cu.In. . . . . 1.50 ID

## FAN

Number of Blades . . . . . 4  
 Diameter  
   L6-250 Cu.In. . . . . 17.62  
   V8-305 & 350 Cu.In. . . . . 18.00

## BELTS, CRANKSHAFT, FAN AND GENERATOR

Number Used . . . . . One  
 Angle of "V" . . . . . 34<sup>o</sup>-38<sup>o</sup>  
 Pitch Line  
   L6-250 Cu.In. . . . . 38.00  
   V8-305 Cu.In. (Except California) . . . . 44.50  
   V8-350 Cu.In. (Except California) . . . . 44.50  
   V8-305 & 350 Cu.In. (California) . . . . 48.00  
 Width . . . . . .380

## WATER PUMP

Type . . . . . Centrifugal  
 Capacity  
   L6-250 Cu.In. . . 21.0 GPM @ 2000 Engine RPM  
   V8-305 & 350 Cu.In. 22.7 GPM @ 2000 Eng. RPM  
 Bearing . . . . . Permanently lubricated  
                                                           double row ball  
 Drive . . . . . Fan belt  
 Ratio (Pump to Engine RPM)  
   L6-250 Cu.In. . . . . 1.165:1  
   V8-305 & 350 Cu.In. . . . . .949:1

## DRAIN LOCATIONS AND TYPE

Engine Block - Plug  
   L6-250 Cu.In. . . . . Left side rear  
   V8-305 & 350 Cu.In. . . . Right and left center

# ELECTRICAL SYSTEM

## SUPPLY SYSTEM

### BATTERY

#### Voltage Rating and Watts

L6-250 Cu.In. . . . . 12-2500

V8-305 & 350 Cu.In. . . . . 12-3200

#### Number of Cells and Plates

L6-250 Cu.In. . . . . 6-54

V8-305 & 350 Cu.In. . . . . 6-66

#### Cold Cranking Rating

L6-250 Cu.In. . . . . 0° @ 275 amps:

- 20° @ 210 amps, @ 60 minutes reserve capacity

V8-305 & 350 Cu.In. . . . . 0° @ 350 amps:

- 20° @ 270 amps, @ 80 minutes reserve capacity

#### Terminal Grounded . . . . . Negative

Location . . . . . Engine compartment, right side front

## 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 . . . . . Integral with distributor

## SPARK PLUGS

#### Type

L6-250 Cu.In. . . . . ACR46TS

V8-305 & 350 Cu.In. . . . . ACR45TS

Thread Size (mm) . . . . . 14

Gap . . . . . .035 (L6-250), .045 (V8-305 & 350)

Torque . . . . . 25 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

V8-305 & 350 Cu.In. . . . . 70-99

Volts . . . . . 10.6

##### RPM

L6-250 Cu.In. . . . . 6200-10700

V8-305 & 350 Cu.In. . . . . 7800-12000

#### Motor Drive

Engagement . . . . . Solenoid

Pinion Meshes at . . . . . Rear

#### Number of Teeth

Pinion . . . . . 9

#### Flywheel

6 Cyl. . . . . 153

V8 . . . . . 168

DISTRIBUTORS	L6-250 Cu. In.		V8-305 Cu. In.		V8-350 Cu.In.	
	Model	1110678	1110681*	1103239	1103244*	1103246
Type	High Energy Ignition					
Centrifugal Advance begins @ RPM	0° @ 1000	0° @ 1000	0° @ 1200	0° @ 1000	0° @ 1200	0° @ 1200
Maximum degrees @ RPM	20° @ 4200	20° @ 4200	20° @ 4200	20° @ 3800	22° @ 4200	22° @ 4200
Vacuum advance begins @ In. Hg.	0° @ 4	0° @ 4	0° @ 4	0° @ 4	0° @ 4	0° @ 4
Maximum degrees @ In. Hg.	24° @ 15	15° @ 12	15° @ 10	20° @ 10	18° @ 12	10° @ 8
Timing (initial design setting) Crankshaft degrees @ RPM with vacuum line disconnected	6° BTC @ 850 Manual 8° BTC @ 550 Automatic	6° BTC @ 600 Automatic	8° BTC @ 600 Manual 500 Auto.	6° BTC @ 500 Automatic	8° BTC @ 700 Manual 500 Automatic	8° BTC @ 500 Automatic
Timing mark location	Torsional damper					

\* -Specific to engine used in California.

# CLUTCHES AND TRANSMISSIONS

## CLUTCHES

Engine	Type - Cubic Inch	L6-250	V8-305	V8-350	
	Availability	Standard	RPO LG3	RPO LM1	
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	10.40	
		ID	6.12	6.50	
		Total area sq. in.	71.82	101.54	
Material		Woven type asbestos			
Flywheel & Ring Gear	Flywheel	Nodular iron			
	Ring gear	Material	Heat treated HR steel		
		No. of Teeth	153	168	
		PD	12.75	14.00	
		Attachment	Shrink Fit		
Bearings	Release	Type	Single row ball		
		Lubrication	None, prepacked		
	Pilot	Type	Bronze bushing		
		Lubrication	None, sintered and oil impregnated		
Controls	Clutch fork	Drop forged steel, pivot mounted on ball			
	Pedal mounting	Pendant from brace on dash			
	Lubrication	Crossover shaft			
Clutch housing material		Aluminum alloy			

(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	V8-305	V8-350	
Application	Availability	Standard	LG3	LM1	
Case material		Cast Iron			
Gear Shift	Type	Remote			
	Control	Lever			
	Location	Floor			
Gears	Type	Helical			
	Material	Forged steel hardened			
	Synchronization	All forward gears			
	Constant mesh gear	All Gears			
	Sliding gears	None			
	Ratios	First	3.11	2.85	
		Second	1.84	2.02	
		Third	1.00	1.35	
Fourth			1.00		
Reverse		3.22	2.85		
Lubricant	Type	Meeting Military Specification MIL-L-2105B			
	Capacity (pts)	3			
Extention	Material	Cast iron			
	Oil seal	Steel encased seal of spring loaded silicone			

# TRANSMISSIONS

## TURBO HYDRA-MATIC TRANSMISSION

Engine	Displacement (Cu.In.)	L6 250	V8-305 & V8-350	
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	
		Quadrant pattern	P-R-N-D-L2-L1	
	Parking Lock	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
		L2	80	87
L1		80	87	
Reverse		84	91	
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		
	Stall speed (RPM)	2110		
	Diameter (nominal)	11.75		
Planetary Gear Set	Reaction carrier assembly	4 steel pinion gears		
	Output carrier assembly	4 steel pinion gears		
	Intermediate band	Circular steel with organic lining		
	Range	D (Drive)	2.52:1 - 1.52:1 - 1.00:1	
		L2 (Low two)	2.52:1 - 1.52:1	
		L1 (Low one)	2.52:1	
R (Reverse)		1.94:1		
Servo Unit	Piston with release spring and inner cushion spring			
Case	Material	Aluminum		
	Type	Three, multiple disk	Four, multiple disk	
Clutches	Material	Drive plates	Steel with bonded organic facings	
		Driven plates	Flat steel	
	Forward clutch	4 ea. drive & driven plates	5 ea. drive & driven plates	
	Direct clutch	3 ea. drive & driven plates	4 ea. drive & driven plates	
	Intermediate clutch		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		
	Low 2	5.04:1 to 1.52		
	Low 1	5.04:1 to 2.52		
	Reverse	3.88:1 to 1.94		
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	Dexron		
	Capacity (pints)	Dry	20	
		Refill	8	

- (a) Floor mounted available as an option, quadrant changes to P-R-N-3-2-1.  
 (b) Conditions: 450 RPM input

# 1977

# MVMA

# Specifications Form

# Passenger Car

<b>Manufacturer</b> Chevrolet Motor Division General Motors Corporation	<b>Car Line</b> Camaro	
<b>Mailing Address</b> Chevrolet Engineering Center 30003 Van Dyke Warren, Michigan 48090	<b>Model Year</b> 1977	<b>Issued:</b> SEPT, 1976 <b>Revised (a)</b> Feb. 1977

Sheets revised - 5, 10, 11, 16, 18, 19, 21, 23, 24, 25

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# AMA 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:

- Specifications apply to standard models without optional equipment. Significant deviations are noted.
- Nominal design dimensions are used throughout these specifications.
- All dimensions are in inches.

**MVMA Specifications Form**  
**Passenger Car**

Car Line Camaro  
 Model Year 1977 Issued 9/76 Revised (●) \_\_\_\_\_

**Car Models**

Model Description	Make, Car line, Series, Body Type (Mfg's Model Code)	Max. Number of Passengers (Front:Rear)	
	<u>Model Number</u>	<u>Front</u>	<u>Rear</u>
<u>STANDARD</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 1977 Issued 9/76 Revised (●) \_\_\_\_\_

### Car and Body Dimensions See Key Sheets, Figs. 30-33

\* 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

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

#### Width

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

#### Length

Body D to front of dash	L 30		1.2	
Wheel base	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 D line to C/L of rear wheel	L127		86.7	
Body D line to w/s cowl point	L125		9.3	

#### Height

Passenger Distribution (front & rear)	*		2-2	
Trunk Cargo load (lbs.)	*		0	
Overall height	H101		49.2	
Cowl height	H114		35.3	
Deck height	H138			
Rocker panel - front	To ground	H112	6.8	
	From front wheel C/L		-	
Bottom of front door to ground	H133		11.4	
Rocker panel - rear	To ground	H111	5.8	
	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		14.9	
Bumper to ground - rear	H104		12.6	
Angle of approach	H106		23.10°	
Angle of departure	H107		20.26°	
Ramp breakover angle	H147		15.33°	
Rear axle differential to ground	H153		6.3	
Min. turning clearance (Specify)	H156		4.9 (a)	

(a) Catalytic Converter

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



# MVMA Specifications Form

## Passenger Car

Car Line Camaro  
 Model Year 1977 Issued 9/76 Revised (●)

### Car And Body Dimensions See Key Sheets Pgs. 30-33

		Body Type	
		2 - Door Sport Coupes	
SAE Ref. No.	IFQ87		IFS87
<b>Front Compartment</b>			
H Point to body D line	L31		42.8
Effective head room	H61		37.2
Effective T Point head room	H75		37.4
Max. eff. leg room - accelerator	L34		43.9
H Point to Heel point	H30		6.0
H Point travel	L17		5.0
Shoulder room	W3		56.7
Hip room	W5	52.4	56.2
Upper body opening to ground	H50		45.7
Steering Wheel Angle Vertical	H-18		17.6°
Back Angle Front	L-40		26.0°
<b>Rear Compartment</b>			
H Point coupe distance	L50		27.3
Effective head room	H63		36.0
Effective T Point head room	H76		35.9
Min. effective leg room	L51		28.4
H Point to Heel point	H31		8.4
Min. knee room	L48		-2.5
Rear Compartment room	L3		22.7
Shoulder room	W4		54.4
Hip room	W6		45.8
Upper body opening to ground	H51		--
<b>Luggage Compartment</b>			
Usable luggage capacity (cu. ft.)	V1		6.4 (a)
Liftover height	H195		27.0
Position of spare tire storage			RH Corner - Flat
Method of holding lid open			Torsion Bars

(a) With space saver tire 7.2 cubic feet.

\* Corporation "H" (shoe box) method of measurement is used.

# MVMA Specifications Form

## Passenger Car

Car Line Camaro  
 Model Year 1977 issued 3/76 Revised (●)

Car And Body Dimensions See Key Sheets Pgs 30-33

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

### Station Wagon — Third Seat

Shoulder Room	W85	NOT APPLICABLE
Hip Room	W86	
Effective leg room	L86	
Effective head room	H86	
Effective T-Point head room	H89	
Seatback angle (°)		

### Station Wagon — Cargo Space

Cargo length at floor - front seat	L202	NOT APPLICABLE
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.) $\frac{W4 \times L204 \times H201}{1728}$	V2	

### Hatchback — Cargo Space

Front Seat Back to Load Floor (in.)	H17	NOT APPLICABLE
Cargo Length at Front Seat Back Height	L208	
Cargo Length at Floor - Front Seat	L209	
Cargo volume index (cu. ft.) $\frac{L208 + L209}{2} \times W4 \times H197$ 1728	V3	

**SVMMA Specifications Form**  
**Passenger Car**

**METRIC**

Car Line Camaro  
Model Year 1977 Issued 9/76 Revised (●) 2/77

**Power Teams** (Indicate whether standard or optional)

SAE net power and torque corrected to standard conditions of temperature and barometric pressure as defined in SAE \_\_\_\_\_.

SERIES AVAILABILITY #	ENGINE (1)						TRANSMISSION	AXLE RATIO* (Std. first) (Indicate A/C ratio) ** A(Std.) B(Opt) C(Std)														
	Displ. (Lres)	Carb.	Compr. Ratio	SAE Net Power (kW)	RPM @ Torque (N.m)	Exhaust System*																
Base-All States	250 L6	1-bb1	8.3:1	110 @	195 @	S	3-Spd. Manual (3.11:1 Ratio) (not available in California)	2.73	3.08	-												
	L-22			3800	1600		3-Spd. Automatic (Optional)	2.73	3.08	3.08												
Optional - All States	305 V8	2-bb1	8.5:1	145 @	245 @	S	3-Spd. Manual (3.11 Ratio) (not available in California)	2.73	-	-												
	5.7L LG3			3800	2400		3-Speed Automatic (Optional)	2.56	-	-												
Optional - All States	350 V8	4-bb1	8.5:1	170 @	270 @	S	4-Spd. Manual (2.85:1 Ratio) (not available in California)	3.08	-	-												
	5.7L LM1			3800	2400		3-Spd. Automatic (Optional)	2.56	3.08	3.08												
Optional-1FQ87 All States	350 V8	4-bb1	8.5:1	160 @	260 @	D	4-Spd. Manual (2.64 Ratio) (N.A. in California)	3.73	-	-												
	5.7L LM1/Z28			3800	2400		3-Spd. Automatic (Optional)	3.42	-	-												
<p># - "Base" and "Optional" refer to engine availability            * - Positraction available optionally for all ratios            ** - Same ratios available optionally with Air Conditioning            "A" &amp; "B" - Below 4,000 feet altitude in 49 states and in California            "C" - Above 4,000 feet altitude in all states except California</p> <p>(1) CALIFORNIA ONLY: -</p> <table border="0" style="width:100%"> <tr> <td style="width:30%"><u>ENGINE</u></td> <td style="width:30%"><u>BHP</u></td> <td style="width:40%"><u>TORQUE</u></td> </tr> <tr> <td>250 L-6</td> <td>90 @ 3600</td> <td>180 @ 1600</td> </tr> <tr> <td>305 V-8</td> <td>135 @ 3800</td> <td>240 @ 2000</td> </tr> <tr> <td>350 V-8</td> <td>160 @ 3800</td> <td>260 @ 2400</td> </tr> </table>											<u>ENGINE</u>	<u>BHP</u>	<u>TORQUE</u>	250 L-6	90 @ 3600	180 @ 1600	305 V-8	135 @ 3800	240 @ 2000	350 V-8	160 @ 3800	260 @ 2400
<u>ENGINE</u>	<u>BHP</u>	<u>TORQUE</u>																				
250 L-6	90 @ 3600	180 @ 1600																				
305 V-8	135 @ 3800	240 @ 2000																				
350 V-8	160 @ 3800	260 @ 2400																				

\*S - Single    D - Dual

# SAE J1000 Specifications Form Passenger Car

Car Line Camaro  
 Model Year 1977 Issued 9/76 Revised (●) \_\_\_\_\_

## Engine Displacement

L6-250 C.I. L22	V8-305 C.I. L98	V8-350 C.I. LMI
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## Engine — General

Configuration	In-line 6	90° V8 OHV	
Cylinder bore (nominal)	3.875 X 3.53	3.736 X 3.48	4.00 X 3.48
Cylinder spacing (in)	2.50	3.05	3.50
Cylinder spacing (mm)		4.40	
Bank 1	1-2-3-4-5-6	1-3-5-7	
Bank 2	In line	2-4-6-8	
Ignition	1-5-3-6-2-4	1-8-4-3-6-5-7-2	
Cylinder head Material		Cast alloy iron	
Cylinder block Material		Cast alloy iron	
Valve cover/dry sump		None	
Number of valves		Two	
Valve timing		One	
Valve lift		3° 15'	
Recommended fuel		Unleaded	
Oil			
Oil sump — premium			
Cylinder head Volume (cc)	71.28	60.52	75.67
Head Gasket Thickness (compressed)	.033	.021	.021
Head Gasket Volume (cc)	7.08	3.98	4.58
Deck Clearance (minimum) above or below block	.025 below	.025 Below	.025 Below
Minimum Combustion Chamber Volume (cc)	63.00	59.52	74.47

## Engine — Pistons

Material		Cast aluminum alloy		
Description and finish		Sump head; closed, slipper skirt	Sump head; closed slipper skirt	
Weight (piston only, oz)		20.24	20.80	21.33
Clearance (limits)	Top land	.0245 - .0335	.0245 - .0335	.0235 - .0325
	Skirt			
	Top	.0005 - .0015 (a)	.0017 - .0042 (b)	.0007 - .0017 (b)
	Bottom			
Ring groove diameter	No. 1 ring	3.434 - 3.444	.2003 - .2073	3.541 - 3.556
	No. 2 ring	3.434 - 3.444	.2003 - .2073	3.541 - 3.556
	No. 3 ring	3.446 - 3.456	.2103 - .2193	3.577 - 3.592

(a) Measured 1.66 from top of piston

(b) Measured 1.56 from top of piston

**SAE J1000 Specifications Form**  
**Passenger Car**

Car Line Camaro  
 Model Year 1977 Issued 9/76 Revised (●) \_\_\_\_\_

Engine Displacement

L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LMI
--------------------	--------------------	--------------------

**Engine - Piston Rings**

Material	Compression		
Length	Compression		
Diameter	Oil		
Expansion - Upper	Cast alloy iron, barrel face (a)		
Expansion - Lower	Cast alloy iron, inside bevel tapered face (b)		
Width	(c)	(d)	(e)
Gap	.010 - .020	upper .010 - .020;	lower .010 - .025
Direction of material coating	Multipiece (2 rails and one space expander)		
Material	Rails - steel chromeplated O.D.; expander - stainless steel		
Width	.1850 - .1870	.1859 - .1879	.1850 - .1870
Gap	.015 - .055	.010 - .035	.015 - .055
Expanders	In oil ring assembly		

**Engine - Piston Pins**

Material	Chromium steel		
Length	2.990 - 3.010		
Diameter	.9270 - .9273		
Use	Locked in rod in piston floating, etc.	Locked in rod	
	Bushing	None	
Clearance	In piston	.00015 - .00025	.00025 - .00035
	In rod		
Direction & amount offset in piston	Major thrust side .060		

**Engine - Connecting Rods**

Material	Drop forged steel		
Weight (oz.)	14.24	13.70	13.70
Length (center to center)	5.695 - 5.705		
Bearing	Material & Type	Premium aluminum	
	Overall length	.807	.797
	Clearance (limits)	.0007 - .0027	.0013 - .0025
	End Play	.007 - .016	.006 - .016

- (a) Wear resistant coating, molybdenum inlay and graphite impregnated on L6-250; Chrome flash on V8-305 and V8-350
- (b) Wear resistant coating; reverse twist tapered face on 305 & 350 V8.
- (c) Upper .0775 - .0780; lower .0770 - .0780
- (d) Upper .0770 - .0780; lower .0770 - .0775
- (e) Upper .0775 - .0780; lower .0770 - .0775

# MVMA Specifications Form Passenger Car

Division Camaro  
Model Year 1977  
Issued 9/76 Revised (a)

Engine Displacement		
L6-250 C.i. 132	V8-305 C.i. LG3	V8-350 C.i. LM1

## Engine—Crankshaft

Material		Cast Nodular Iron	
Mounting		Rubber mounted inertia	
Clearance		.002 - .006	
Material		(a)	
Clearance		.0003 - .0029	
Gear arrang	Pinion	2.2999 X .752	2.4502 X .752
	No 2	2.2999 X .752	2.4502 X .752
	No 3	2.2999 X .752	2.4502 X .752
	No 4	2.2999 X .752	2.4502 X .752
	No 5	2.2999 X .752	2.4502 X .752
	No 6	2.2999 X .752	2.4508 X 1.180
	No 7	2.2999 X .760	None
Oil & anti-wear oilset		None	
Bolts & caps main org. cap		14 bolts/7 caps	10 bolts/5 caps
Crankpin journal diameter		1.999 - 2.000	2.099 - 2.100

## Engine—Camshaft

Location		(d)	In block above crankshaft
Material		Cast alloy iron	
Bearings	Material	Steel backed babbitt	
	Number	4	5
Gear or chain		Gear	Chain
Crankshaft gear or sprocket material		CAST IRON	SINTERED IRON
Type of Drive	Camshaft gear or sprocket material	ALUMINUM ALLOY	Nylon teeth with aluminum head
Timing chain	No. of links	None	46
	Width	None	.625
	Pitch	None	.500

- (a) #1 through #6 - Premium aluminum. #7 - copper lead alloy except #7 lower with automatic transmission - premium aluminum.
- (b) #1 through #4 - premium aluminum. #5 upper (automatic transmission) - premium aluminum #5 lower (auto. trans.) & #5 lower (manual trans.) - copper lead alloy.
- (c) #1 = .0008 - .0020  
#2, 3 and 4 = .0011 - .0023  
#5 - .0017 - .0032
- (d) Above and to right of crankshaft.
- (e) Bakelite and fabric composition with steel hub

# MVMA Specifications Form Passenger Car

Car Line Camaro  
 Model Year 1977 Issued 9/76 Revised (●)

Engine Displacement		
L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LM1

## Engine—Valve System

Hydraulic lifters (Std. loc. V.A.)		Standard			
Valve rotator type (Intake/Exhaust)		None		Exhaust	
Push rods (dia./length/material)		.3125 X 9.612		.3125 X 7.724	
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°	28°	28°
		Closes (°ABC)	48°	64°	72°
		Duration (deg.)	244°	272°	280°
	Exhaust	Opens (°BBC)	64°	78°	78°
		Closes (°ATC)	50°	30°	30°
		Duration (deg.)	294°	288°	288°
Valve open overlap (deg.)		66°		58°	58°
Material		Alloy steel, aluminized face for L6-250 & V8-305			
Overall length		4.902 - 4.922	4.928 - 4.953	4.870 - 4.889	
Actual overall head dia.		1.715 - 1.725		1.935 - 1.945	
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 (at zero lash)		.3880	.3727	.3900
	Outer spring press & length (lb @ in.)	Valve closed	76-86 @ 1.66	76.84 @ 1.70	
		Valve open	170-180 @ 1.26	194-206 @ 1.25	
	Inner spring press & length (lb @ in.)	Valve closed	None	Spring damper	
		Valve open	None	Spring damper	
	Material		High alloy steel, aluminized face		
Overall length		4.913 - 4.933	4.910 - 4.930		
Actual overall head dia.		1.495 - 1.505	1.495 - 1.505		
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 (at zero lash)		.4051	.4100	.4100
	Outer spring press & length (lb @ in.)	Valve closed	76-86 @ 1.66	76-84 @ 1.61	
		Valve open	170-180 @ 1.26	194-206 @ 1.16	
	Inner spring press & length (lb @ in.)	Valve closed	None	Spring damper	
		Valve open	None	Spring damper	

(a) Welded steel tubing

**SAE Specifications Form**  
**Passenger Car**

Car Line Camaro  
 Model Year 1977 Issued 3/76 Revised (a) 2/77

Engine Displacement		
L6-150 C.I. 152	V8-305 C.I. 305	V8-350 C.I. 351

**Engine Lubrication System**

Oil pressure		Pressure
Oil pump		Pressure
Oil filter		Switch
Oil pan		Pressure
Oil pan gasket		Pressure
Oil pan drain plug	None	Centrifugally oiled from camshaft bearing
Oil pan baffles	None	Pressure for cross sprayed
Oil pan vent		None
Oil pressure (at engine rpm)	36-41 PSI @ 2000	32-40 PSI @ 2000
Oil pressure (at idling or mech)		Electric
Oil pressure (stationary)		Stationary
Oil pressure (at idle, part. drive)		Full flow
Oil pressure (at max. rpm)		Complete
Oil pressure (at max. rpm) (at)		d
Oil grade recommended (SAE viscosity and temperature range)	10°F and above - 20W-20, 10W-30, 10W-40, 20W-40, 20W-50, 0° to 60°F - 10W, 5W-30, 10W-40, 10W-30 Below 20°F - 5W-20, 5W-30	
Oil service reqmt. (SD, CF, etc.)	SE	

**Engine — Exhaust system**

Exhaust pipe (single, single with cross-over, dual, other)	Single with converter	Single with crossover and converter (e)
Muffler No. & type (reverse flow, straight thru, separate resonator)		one; reverse flow (LM1/Z28 - Dual, Reverse flow)
Resonator No. & type		None
Exhaust pipe	Branch O. D., wall thickness	2.25 X .078* (a)   2.50 X .078* (a) 2.00 X .078* (b)
	Main O. D., wall thickness	2.25 X .071 (c) (f)
Exhaust pipe	Material	Welded or seamless steel tubing
	O. D. & wall thickness	2.00 X .062 (Z28-2.50x.068)
Exhaust pipe	Material	Welded or seamless steel tubing (d)

Continued

(c) Exhaust pipe to converter

(d) Crossover

(e) Converter to muffler

(f) Dual tail pipes on 305 cu. in. and 350 cu. in.

(g) LM1/Z28 - Dual exhaust, single converter and crossover



# MVMA Specifications Form Passenger Car

Car Line CAMARO  
 Model Year 1977 Issued 9/76 Revised (●) 2/77

### Engine Displacement

L6 -250 C.I. L22	V8-305 C.I. LG3	V8-350 LM1
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### 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.)	Approximately 21	
	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 gas tank and paper filter element in carburetor inlet	
	Locations	filter element in carburetor inlet	
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	750
	Automatic	550	500
Idle A/F mix.	Not specified		

### Carburetor Supplementary Information

Model Usage	Piston Displ.	Transmission	Carburetors		No. Used and Type	Barrel Size
			Make	Model		
Refer to Power Team Line-up (Page 5) for Model Application	250 L22	Manual	Rochester	17057013	One, 1-bbl	1.69
		Automatic		17057014 (17057310)		
	305 LG3	Manual	Rochester	17057111	One, 2-bbl	1.69
Automatic		17057108 (17057412)				
350 LM1	Manual	Rochester	17057203	One, 4-bbl	1.38 prim. 2.25 sec.	
	Automatic		17057202 (17057502)			

(a) 1800 RPM at pump outlet

Note: Data bracketed ( ) pertains to engine application specific to California.

# MVMA Specifications Form

## Passenger Car

Car Line Camaro  
 Model Year 1977 Issued 9/76 Revised ( )

Engine Displacement		
L6-250 C.I. L22	V8-305 C.I. LG3	V8-350 C.I. LM1

### Engine — Cooling System

Type system (pressure, pressure vented, atmospheric, other)	Pressure vented thru coolant recovery system			
Reduction in relief valve pressure (psi) (pressure bypass)	15 PSI Choke			
Thermostat (opens to open at (°F))	192°-198°			
Water pump (centrifugal, other)				
Water pump rpm	21.0	22.7	22.7	
Number of pumps	One			
Belt type (V-belt, other)	V-belt			
Bearing type	Permanently lubricated double row ball			
Radiator core type (cross-flow, vertical, cellular, tube and fin, other)	Internal Cross flow, tube and center			
Cooling system capacity	With heater (qt.)	14.6	17.2	17.3
	Without heater (qt.)			
	Opt. equipment capacity (qt.)	14.7	17.9	18.0
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-blade, staggered		
	Diameter	17.62	18.00	18.00
	Ratio-fan to crankshaft rev.	1.165:1		.949:1
	Fan cutout type	None		
	Bearing type	Double row ball		
*Drive belts (indicate belt used by letter)	Fan	A	E (H)	
	Generator or alternator	A	E (H)	
	Water Pump	A	E (H)	
	Power Steering	B	F	
	Air Conditioning	C	G	
	Air injection	D	(H)	

Note: Items bracketed ( ) are specific to California engine.

*Drive Belt Dimensions	A	B	C	D	E	F	G	H	I	J	K
Angle of V	← 34° - 38° →										
Nominal length (SAE)	38.00	49.00	52.50	38.00	44.50	36.00	54.50	48.00			
Width	.440	.380	.440	.380	.380	.380	.380	.380			

# NVMA Specifications Form

## Passenger Car

Car Line Camaro  
 Model Year 1977 Issued 9/76 Revised ( )

Engine Displacement	
L6-250, V8-305 & V8-350 All States except California	L6-250, V8-305 & V8-350 California Only

### Vehicle Emission Control

Type (Air Injection, engine modifications, other)	Engine modifications	Air Injection	
Air Injection System	Type	Semi-articulated vane type	
	Displacement	19.3 cubic inch	
	Drive ratio	1.15:1 (L6) 1.33:1 (V8)	
	Throttle type	Crankshaft pulley	
	Relief valve (type)	Diverter Valve	
	Filter (describe)	Centrifugal air cleaner	
Air Injection System	Air distribution (head, manifold, etc.)	Exhaust Pipe	
	Point of entry	Exhaust Pipe	
	Injection tube I.D.	.2700	
	Check valve type	Pressure plate system	
Exhaust Emission Control	backfire protection (type)	Diverter Valve	
	Type (controlled flow, open orifice, other)	Controlled flow	
	Valve type	Vacuum modulates shut-off and metering valve	
	Valve location	L6-250 left front; V8-350 & 305 right rear of manifold	
	Control energy source	Carburetor vacuum	
	Exhaust source	Manifold exhaust crossover	
	Exhaust cooler type	None	
Exhaust Gas Recirculation System	Orifice no. and size	one; .030	
	Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold	
	Catalyst	Type	Platinum-Palladium
		Volume	260 cu. in.
Substrate type	Alumina		
Container location	Beneath right front underbody; also, monolith manifold converter for 250 L-6		
Catalytic Converter System			
Other	Carburetor	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emission.	
	Hot Air		

CONTROLLED COMBUSTION SYSTEM

# MVMA Specifications Form

## Passenger Car

Car Line RAMRO  
 Model Year 1977 issued 9/76 Revised (●)

### Engine Displacement

L6-250 C.I., V8-305 C.I., V8-350 C.I.

### Vehicle Emission Control (Continued)

Type (ventilates to atmosphere, induction system, other)	Standard Optional	Induction System
Control System	Make and model:	AC Spark Plug (4487935 (L6); 6487728 (V8))
	Location:	Rocker cover-top rear L6 and left front V8
	Energy source (manifold, carburetor, other):	Manifold Vacuum
	Control method (variable orifice, fixed orifice, other):	Variable Orifice
Complete System	Description (make, manifold, other):	Intake Manifold
	Filter (air, weather cap, other):	Carburetor Air Cleaner
	Flame arrestor (screen, other):	Screen
Fuel Tank	Thermal Expansion (capacity, etc.):	Approximately 10% of refill capacity.
	Relief pressure (psi) and location:	1.1 PSI
	Vacuum relief (psi) and location:	.7 PSI
	Vapor-liquid separator type:	Integral with Fuel Tank
Evaporative Emission Control	Vapor vented to (crankcase, canister, other):	Canister
	Carbu- retor	Atmoshpere L-6 engines Internally vented V-8 engines ---
Vapor Storage	Storage provision (crankcase, canister, other):	Canister ---
	Volume (cu. ft.) or capacity (grams):	Approximately 50 grams storage capacity.
	Control valve type:	Controlled by orifice and carburetor throttle body and throttle blade position.

# MVMA Specifications Form

## Passenger Car

Car Line CAMARO  
 Model Year 1977 Issued 9/76 Revised (●) \_\_\_\_\_

### Engine Displacement

L6-250 C.I.	V8-305 & V8-350 C.I.
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### Electrical — Supply System

Battery	Make and Model:	Delco Remy 1980291	Delco Remy 1980240	
	Voltage Rtg & Total Plates	12V(2500 watts) 54 plates	12V(3200 watts) 66 plates	
	SAE Designation No and/or capacity (A)	0°-275 amps; -20-210 amps; 60 minutes reserve capacity	0°-350 amps; -20°-270 amps 80 minutes reserve capacity	
	Location	Right side of engine compartment		
	Terminal grounded	Negative		
Generator or Alternator	Make	Delco Remy		
	Model	1102491	1102394	
	Type and rating	Diode rectified 37 amps		
	Output at engine idle (neutral)			
	Ratio—Gen to Crs rev	2.73:1		
Regulator	Make	Delco Remy		
	Model	- -		
	Type	Micro circuit unit, integral with alternator		
	Cutout relay	Closing voltage @ generator rom	None	
		Reverse current to open	None	
	Regulated	voltage	13.8-14.8 @ 85°F	
		Current	- - -	
	Voltage test conditions	Temperature	Operating	
Load		3-8 ampere		
Other		None		

### Electrical — Starting System

Starting Motor	Make	Delco Remy			
	Model	1108778	1108776		
	Rotation (drive end view)	Clockwise			
Motor Drive	Engagement type	Positive Shift Solenoid			
	Pinion engages from (front, rear)	Rear			
	Number of teeth	Pinion	9	9	
		Flywheel	Manual	153	168
			Auto.	153	168
	Flywheel tooth face width	Manual	.4010 - .4130	.4100 - .4220	
Auto.		.4010 - .4130	.4100 - .4220		

(A) - Cold cranking rating.

# WVMA Specifications Form Passenger Car

Model No. 1103246  
 Date Issued 9/76  
 Revised 2/77

Engine Displacement		
LG-250 C.I. L22	LG-250 C.I. L22	W8-350 C.I. LM1

## Electrical — Ignition System — Distributor

Breaker gap (in)	Not applicable		
Spark plug gap (in)	Not applicable		
Breaker advance (in)	Not applicable		
Distributor Model	1110378	1103239	1103246
Automatic	1110678 (1110725)	1103239 (1103244)	1103246 (1103248)
Manual	6°	6°	3°
Automatic	3° (3°)	3°	3° (3°)

Distributor Model	ELECTRICALLY OPERATED Distributor Degrees at Engine RPM			VACUUM ADVANCE Distributor Degrees at In. of Mercury	
	Start	Intermediate	Maximum	Start	Maximum
1103239	0 @ 1200	13 @ 2000	20 @ 4200	0 @ 4	15 @ 10
1110678	0 @ 1000	7 @ 1600	20 @ 4200	0 @ 4	24 @ 15
1110725	0 @ 1000	7 @ 1600	20 @ 4200	0 @ 5	24 @ 12
1103244	0 @ 1000	10 @ 1700	20 @ 3800	0 @ 4	20 @ 10
1103246	0 @ 1200	12 @ 2000	22 @ 4200	0 @ 4	18 @ 12
1103248	0 @ 1200	12 @ 2000	22 @ 4200	0 @ 4	10 @ 8

Note: Items bracketed ( ) are specific to California engines.

**MVMA Specifications Form**  
**Passenger Car**

Car Line CAMARO  
 Model Year 1977 Issued 9/76 Revised (●)

**Engine Displacement**

L3-250 C.I.	V8-305 & 350 C.I.
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**Electrical—Ignition System**

Type	Conventional - Std. Opt. N A	---
	Transistorized - Std. Opt. N A	---
	Other (specify)	High Energy Ignition System
Coil	Make	Delco Remy
	Model	Separate Coil      Integral with distributor
	Current	Engine stopped Engine idling
Spark Plug	Make	AC Spark Plug
	Model	R46TS      R45TS
	Thread (mm)	14
	Tightening torque (lb. ft.)	25 (original)    15 (replacement)
	Gap	.035      .045
Cable	Conductor type	Fiberglass core impregnated with electrical conducting material
	Insulation type	Rubber with silicone jacket
	Spark plug protector	Silicone rubber

**Electrical—Suppression**

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

**Electrical—Instruments and Equipment**

Speedometer	Type	Circular dial with pointer
	Trip odometer (std. opt. N A)	NA
EGR maintenance indicator		NA
Charge Indicator	Type	Tell-Tale
	Warning device	NA
Temperature Indicator	Type	Tell-Tale
	Warning device	NA
Oil pressure Indicator	Type	Tell-Tale
	Warning device	NA
Fuel Indicator	Type	Electric gauge
	Warning device	NA
Windshield Wiper	Type - standard	Electric, two-speed
	Type - optional	None
	Blade length	16.0"
	Swept area	841.02 sq. in.
Windshield Washer	Type - standard	Push-button
	Type - optional	None
	Fluid level indicator	NA
Horn	Type	Vibrator
	Number used	Dual - 1FS87 Model Type "LT." Single (low Note) on 1FQ87 model.
	Current draw (A) per horn	4.5-6.5 @ 12.5 Volts
Other		Parking brake warning light, brake failure warning light, Restraint system warning light and buzzer.

# SAE Specifications Form

## Passenger Car

Standard SAE 1977 issued 3/73 Revised (a) 2/77

### Engine Displacement

L6-250 C.I.	V8-305/250 Cu. In.
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### Drive Units—Clutch (Manual Transmission)

Make/Type	Chevrolet single dry disc	Chevrolet single dry disc centrifugal
Plate springs	Diaphragm	Diaphragm, bent finger design
Plate part no.	330-3300	E100-E300
Number of friction discs	One	
Material	Woven type asbestos	
Manufacturer	Chevrolet	
Part Number	3303300	3302268
Disc plate	26	36
Disc size	11.5 x 11.5	11.84 x 11.08
Outside & inside dia	8.12 x 11.12	10.34 x 6.50
Total area (sq in)	71.62	101.54
Thickness	.135	
Engagement cushioning method	Flat spring steel between facings	
Lubrication	Type & method of lubrication simple row ball, packed and sealed	
Functional damping	Methods: springs. Friction material Coil springs	

### Drive Units—Transmissions

Manual 3-speed (std., opt., N.A.)	Standard
Manual 4-speed (std., opt., N.A.)	Optional with V8-350 engine only
Automatic (std., opt., N.A.)	Optional

Drive Units — Manual Trans.		L6-250-V8-305 C.I.		V8-350 C.I.		
		RPO	LM1	RPO	LM1/Z28	
Number of forward speeds		3	4	4		
Transmission ratios	In first	3.11	2.85	2.64		
	In second	1.84	2.02	1.75		
	In third	1.00	1.35	1.34		
	In fourth	-	1.00	1.00		
	In reverse	3.22	2.85	2.55		
Synchronous meshing, specify gears		All forward gears				
Shift lever location		Floor mounted 3 or 4-speed			Floor mounted Hurst shifter	
Automatic	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 1977 Issued 9/76 Revised (●) 2/77

### Engine Displacement

L6-250 C.I.	V8-305/350 C.I.
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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
	R	1.94
	N	Neutral
	D	2.52-1.52-1.00
	L2	2.52-1.52
	L1	2.52
Max. upshift speed - drive range	68	77
Max. kickdown speed - drive range	65	74
Torque Converter	Number of elements	3
	Max. ratio at stall	2.00
	Type of cooling (air, liquid)	Water
	Nominal diameter	11.75
Lubricant	Capacity - refill (pt.)	8
	Type recommended	Dexron II
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	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		
Lubricant	Capacity (pt.)	4.25	
	Type recommended	Meeting military specs. MIL-L2105B	
	SAE viscosity number	Summer	SAE 80 - 90
		Winter	SAE 80 - 90
Extreme cold		SAE 80 - 90	

### ● Axle Ratio Tooth Combinations (See "Power Teams" for axle ratio usage)

Axle ratio	2.56	2.73	3.08	3.42	3.73	
No. of teeth	Pinion	16	15	13	12	11
	Ring gear	41	41	40	41	41
Ring Gear O. D.	8.50					

# MVMA Specifications Form

## Passenger Car

Car Line **CAMARO**  
 Model Year **1977** Issued **9/76** Revised (●) \_\_\_\_\_

### Engine Displacement

L-6 250 C.I. & V8 305 & 350 C.I.

### Drive Units—Propeller Shaft

Number used	One	
Type (straight tube, tube-in-tube, internal-external, damper, etc.)	Straight Tube	
Outer diam. length <sup>1</sup> x wall thickness	Manual 3-speed trans.	2.75 X 48.55 X .065
	Manual 4-speed trans.	2.75 X 48.55 X .065
	Automatic transmission	2.75 X 48.55 X .065
Inter-mediate bearing	Type (plain, anti-friction)	None
	Lubrication (fitting, prepack)	
Spline Yoke	Type	Yoke
	Number of teeth	27
	Spline O. D.	1.502
	Make and Mfg. No.	Saginaw 44
Universal joints	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	

<sup>1</sup>Center to center of universal joints, or to centerline of rear attachment

# MVMA Specifications Form

## Passenger Car

Car Line CAMARO  
 Model Year 1977 issued 9/76 Revised (●) 2/77

Body Type And/Or Engine Displacement, Etc.

1FQ87	1FS87
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### Drive Units — Tires And Wheels (Standard)

TIRES	Size, load range, ply	FR78 X 14B		
	Type (bias, radial, etc.)	Steel belted radial		
	Inflation pressure (cold) for recommended max. vehicle load	Front (A)	24	
		Rear (A)	24	
	Rev. mil. @ 45 mph	797		
WHEELS	Type & material	Short spoke disc steel		
	Rim (size & flange type)	14 X 6	14 X 7 Rally	
	Wheel offset	.50	.34	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	4.75	
		Number & size	5 - Hex nuts 7/16 - 20UNEF - 2B	
Spare wheel (same or other)	Same; space saver spare tire optional (b)			

### Drive Units — Tires And Wheels (Optional)

Size, load range, ply	E78 X 14B	---
Type (bias, radial, etc.)	Bias belted	---
Wheel type & material	Short spoke disc	Styled steel (Turbine)
Rim (size, flange type, and offset)	14 X 6 Rally - 0.50	14 X 7 - 0.34
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material	Styled steel (Turbine)	
Rim (size, flange type, and offset)	14 X 7 Custom - 0.34	
● Size, load range, ply (RPO Z28)	GR70x15B White Lettered	
Type (bias, radial, etc.)	Steel belted radial	
Wheel type & material	Styled steel; body color	
Rim (size, flange type, and offset)	15x7 Trans Am; 0.30	
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		

### 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 pressure shown; selected tire pressures contingent on weight of vehicle.  
 (b) Space saver spare tire standard on RPO Z28.

# MVMA Specifications Form

## Passenger Car

Car Line CAMARO  
 Model Year 1977 Issued 9/76 Revised (●)

### Body Type And/Or Engine Displacement

### Brakes — Service

Brake Type (std., opt., N.A.)	Drum	Front	- -		
		Rear	Standard		
	Disc	Front	Standard		
		Rear	- -		
Special (std., opt., N.A.)			Standard		
Special type (proportion, delay, metering, other)	Metering and Proportioning				
Power Brake (std., opt., N.A.)	Standard with V8 engines; optional with L6 engine				
Booster Type (remote, integral, etc.)	Integral				
Effective area (sq. in.)*	100.52				
Disc lining area (sq. in.**)	115.6				
Drum area (sq. in.**)	326.4				
Drum	Diameter (nominal)	Front	- -		
		Rear	9.5		
Type and material		Composite, finned, cast iron steel web			
Rotor	Outer working diameter		11.0		
	Inner working diameter		7.18		
	Thickness		1.03		
	Material & type (vented/solid)		Cast iron, vented		
Wheel cylinder bore	Front	2.9375			
	Rear	.938			
Master Cylinder	Bore	1.00: Power 1.125			
	Stroke	Manual 1.253; Power 1.408			
Pedal arc ratio		Manual - 6.22:1; Power 3.58:1			
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.			
Bonded or riveted, rivets/seg.		Riveted			
Rivet size		Front .210 X .379; Rear .143 X .250			
Manufacturer		Delco Moraine			
Part number		Front 18000750; Rear 5474999			
Brake Lining	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	
		Shoe thickness		.540	
		Rear Wheel	Material		Molded asbestos
	Size (length x width x thickness)		Prim or out-board	7.30 X 2.0 X 0.23	
			Second or in-board	9.46 X 2.0 X 0.23	
	Segments per shoe		One		
	Shoe thickness		Primary .275; Secondary .305		

\* Excludes rivet holes, grooves, chamfers, etc

\*\* includes rivet holes, grooves, chamfers, etc

\*\*\* Total swept area for four brakes (Drum brake: Widest lining contact width for each brake x its contact circumference) (Disc brake: Square of Outer Working Dia. minus square of Inner Working Dia. multiplied by  $\pi/2$  for each brake.)

# MVMA Specifications Form

## Passenger Car

Car Line CAMARO  
 Model Year 1977 Issued 9/76 Revised (●) 2/77



### Steering

Manual (std., opt., NA)		NA		
Power (std., opt., NA)		Standard; energy absorbing steering column		
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	-		
	Power	4-spoke splayed (14.25 X 14.75)		
Turning diameter (feet)	Outside front	Wall to wall (l & r)	41.1	
		Curb to curb (l & r)	38.5	
	Inside rear	Wall to wall (l & r)	11.16	
		Curb to curb (l & r)	10.35	
Manual	Gear	Type	-	
		Make	-	
		Ratios	Gear	-
			Overall	-
	No. wheel turns (stop to stop)	-		
Power	Type (coaxial, linkage, etc.)		Integral gear end power piston with vane type pump	
	Make		Saginaw Steering	
	Gear	Type	Semi-reversible, recirculating ball stud	
		Ratios	Gear	16.0:1 on center to 13.0:1 (14.0:1 w/RPO Z28)
			Overall	15.03:1 on center to 10.61:1 (13.0:1 w/RPO Z28)
	Pump driven by		Crankshaft pulley	
No. wheel turns (stop to stop)		2.41 (2.61 w/RPO Z28)		
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° camber	
	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.)		1±1
Camber (deg.)		Pl ± 0.8		
Toe-in (outside track inches)		1/16 ± 1/8		
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	

# NVMA Specifications Form Passenger Car

Vehicle MINARO  
 Model Year 1977 Issued 9/78 Revised (●) 2/77

Truck Type And/Or Engine Displacement

## Suspension — General

Provision for car leveling	(See Supplement page for details on Air Suspension)
Provision for brake dip control	Front stabilizer bar
Provision for axle squat control	Front suspension geometry
Provision for	Rear suspension geometry
Special provisions for	Slots in rearward portion of front and rear bumper face bars
Shock absorber type	Direct double acting hydraulic
Brand name	Delco
Shock absorber dia.	1.00
Other special features	

## Suspension — Front

Type and description	Independent SLA type with coil springs	
Travel	Full Jounce	3.15
	Full Rebound	3.76
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
	Rate at wheel (lb. per in.)	89
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	SR Steel; Base 15/16 - 1.0 W/RPO F41 susp. (b)

## Suspension — Rear

Type and description	Salisbury rear axle with multiple leaf springs	
Drive and torque taken through	Rear springs	
Travel	Full Jounce	2.88
	Full Rebound	Left 4.93; Right 5.21
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.)	80
	Rate at wheel (lb. per in.)	100
	Mounting/insulation type	Rubber bushed at shackle and hanger
	Shackle	Five
Stabilizer	Type (link, linkless, frameless)	Compression
	Material & bar diameter	Link
Track bar type	Steel - .562 (optional) (b)	
	None	

(a) For base equipped model. Springs for all models computer selected by size and rate according to vehicle weight including optional equipment.  
 (b) Base equipment on RPO Z28.

# MVMA Specifications Form

## Passenger Car

Car Line CAMARO  
 Model Year 1977 Issued 9/76 Revised (•) 2/77

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

Type of finish (lacquer, enamel, other)		Acrylic lacquer
Hood counterbalanced (yes, no)		Yes
Hood release control (internal, external)		External
Vehicle indent No. location		Top left hand of instrument panel pad
● Theft protection - type		Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.
Vent window control method (crank, friction pivot, power)	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		Single curved, laminated plate
Side glass type		Curved, tempered plate
Backlight glass type		Single curved, tempered plate
Windshield glass exposed surface area		1137.6
Side glass exposed surface area		1139.8
Backlight glass exposed surface area		1212.7
Total glass exposed surface area		3490.1

# AVMA Specification Form Passenger Car

Model AVARO  
 Year 1977 Issued 9/76 Revised (●)

Body Type

4-Door Sport Coupe

## Convenience Equipment

Power windows	Side windows	Optional
Power windows	Front windows	NA
	Side window or sun-gate	NA
Power door lock sys.	Electrically heated	NA
Radio	Standard front seat back (R-L or both)	Optional (15)
	Radio type as well as availability	Optional AM Push-Button, AM-FM Push-Button, AM-FM stereophonic
	near seat speaker	Optional
Power antenna	Lock	Standard F87 - Optional 1F087
Air conditioner (specify type and availability)		Optional - Four season, manual control
Speed warning device		NA
Speed control device		Optional, with V-6 engine and automatic transmission only.
Immobilizer lock		NA
Glove lamp		Standard
Glove compartment lamp		Standard 1F887 - 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
Power door lock sys.		Optional
Windshield antenna		Available with factory installed radio

## Lamp Height And Spacing\*

Height above ground to center of bulb or marker	Headlamp (H125)	Highest**	26.0
		Lowest	--
Height above ground to center of bulb or marker	Tail (H126)	Highest	22.9
		Lowest	--
	Sidemarker	Front	23.8
		Rear	21.9
Height lamp	Inside	--	
	Outside**	27.0	
Distance from center of bulb or marker of auto	Tail	Inside	--
		Outside	26.4
	Directional	Front	19.6
		Rear	26.4

\*All measurements with suspension, load and trunk cargo load (back of Car and Body Dimensions section)

\*\*If dual headlamps are used enter here.





**MVMA Specifications Form**  
**Passenger Car**

Model Plymouth Year 1977 Model 3/76 Revised (a)

**Optional Equipment Weights**

Optional Equipment	WEIGHT (LBS.)			Remarks
	Front	Rear	Total	
Air Conditioning	+ 38	+ 10	+ 78	with 6 cyl engine
	+ 80	+ 10	+ 90	with V8 engine
	-	-	-	
	-	-	-	
Power Windows	-	3	3	10
Traction Control System	+ 3	-	3	10
Exterior Locking Door Handles	-	2	2	3
Front Occupant Console	+ 4	+ 2	+ 3	with 2 & 4 speed transmission
	+ 7	-	-	with Automatic transmission
Package - Front Suspension	9	-	11	11
Special Rear Wheel Cap	+ 2	-	3	10
Special Wheel Hub Cap	+ 6	+ 9	+ 15	
Trim Ring				
Urethane Styled Steel				
Wheel 14 X 7	+ 12	+ 18	+ 30	
Radio AM-Push-Button	+ 5	+ 2	+ 7	
Radio AM-FM Push-Button	+ 6	+ 2	+ 8	
Radio AM-FM Stereophonic	+ 11	+ 4	+ 15	
Radio AM & Stereo Tape	+ 14	+ 6	+ 20	
Radio AM-FM & Stereo Tape	+ 15	+ 6	+ 21	
Auxiliary Speaker	+ 1	+ 4	+ 5	
Combined Interior -				
Decor Quiet Sound Group	+ 4	+ 4	+ 8	
305 cu. in. LG3	+100	+ 7	+107	
350 cu. in. LM1	+102	+ 6	+108	
4-speed transmission	+ 4	+ 2	+ 6	Used with LM1
Turbo Hydra-matic Trans.	+ 15	+ 8	+ 23	Used with L22, LG3 & LM1

**SAE Specifications Form**  
**Passenger Car**

Car Line CAMARO  
 Model Year 1977 Issued 9/76 Revised (●) \_\_\_\_\_

Body Type

**Vehicle Fiducial Marks**

Fiducial Mark  
 Number

Define Coordinate Location

- 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 Zer Line - front,  
 Measured vertically from body zero line to the front fiducial mark located on top of the front seat adjuster mounting bolt.
- X - Fiducial Mark to Centerline of Car - Rear,  
 Width measurement made from centerline of car to fiducial mark located on the underbody longitudinal reinforcement bar.
- Y - Fiducial Mark to Vertical Body Zero Line - Rear,  
 Measured horizontally from body zero line to the rear fiducial mark located on the underbody longitudinal reinforcement bar.
- Z - Fiducial Mark to Horizontal Body Zero Line - Rear,  
 Measured vertically from body zero line to the rear fiducial mark located on the underbody longitudinal reinforcement bar.

Fiducial Mark  
 Number

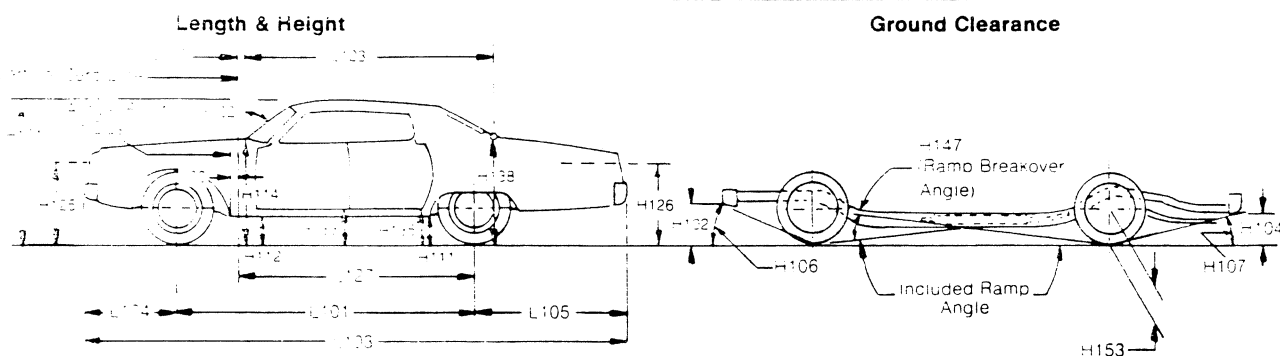
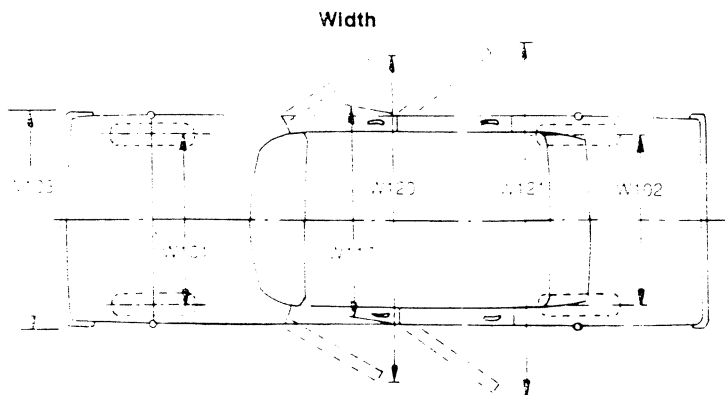
Coordinate Location of  
 Fiducial Mark

Fiducial Mark  
 to Ground  
 at Curb

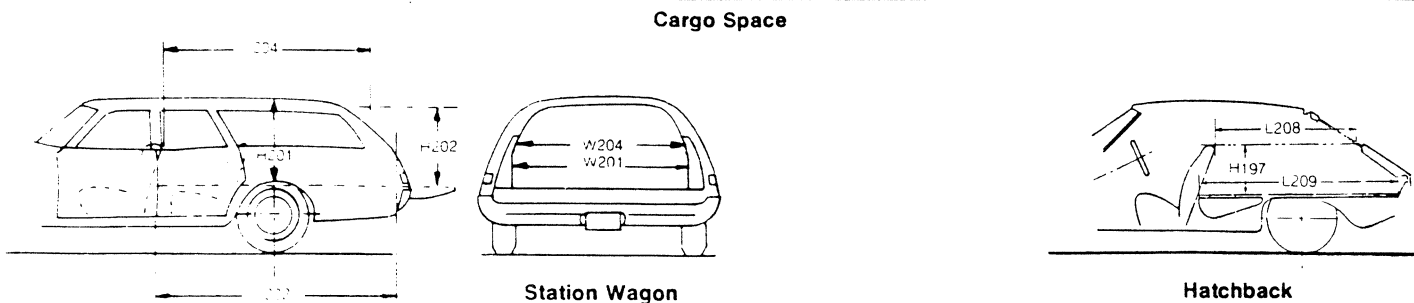
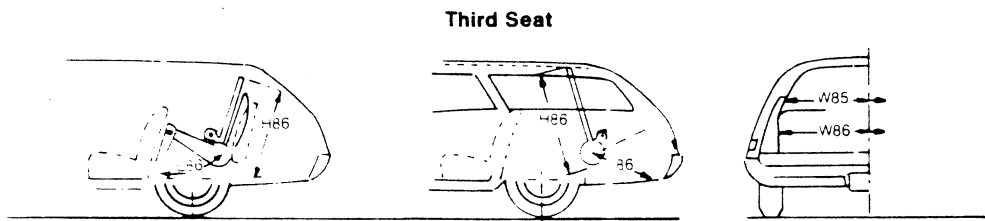
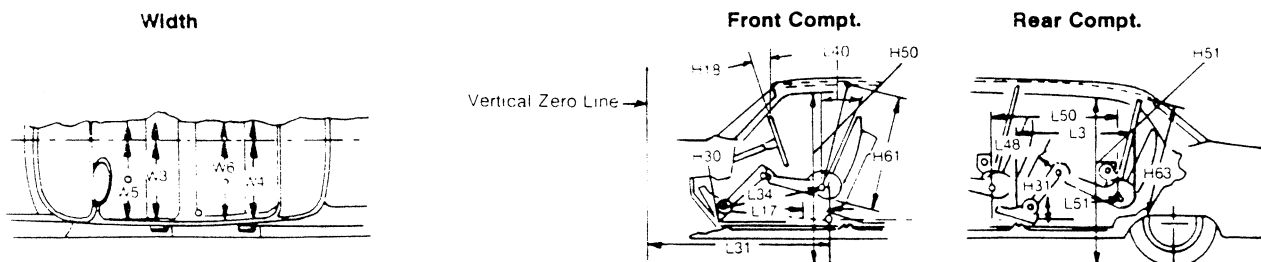
	X	Y	Z		
Front	21.26	27.63	5.04	Standard Coupe Type LT Coupe	9.41
Rear	23.20	75.00	0.86	Standard Coupe Type LT Coupe	4.63

# 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.
- W107 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. Measured to outside of sheet metal with front doors in maximum fold-open position.
- W121 MAXIMUM OVERALL CAR WIDTH — REAR DOORS OPEN. 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.
- L125 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.

# MVMA Specifications Form Passenger Car

## Interior Car And Body Dimensions — Key Sheet Dimension Definitions

### Front Compartment Dimensions

- L31 H POINT TO VERTICAL ZERO LINE — FRONT. Is a horizontal dimension.
- H67 EFFECTIVE HEAD ROOM — FRONT. The dimension from H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° rear of vertical.
- H75 EFFECTIVE T POINT HEADROOM — FRONT. The arc dimension from the T Point to the headlining plus 30 inches.
- L34 MAXIMUM EFFECTIVE LEG ROOM — ACCELERATOR. Measured along a diagonal line from the Manikin ankle pivot center to the H Point plus a constant of 10.0 inches. For treadle type accelerator pedals, the leg room is measured with the Manikin's right foot on the accelerator pedal and the Manikin Heel Point at Accelerator Heel Point. All other types of accelerator pedals will be measured with the Manikin foot angle set at 37° and the shoe touching the pedal.
- H30 H POINT TO HEEL POINT — FRONT. The vertical dimension from the H Point to the Accelerator Heel Point.
- L17 H POINT TRAVEL. The horizontal dimension between the H Point in the most forward and rearward seat positions.
- W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the H-point—front within the belt line to 10 inches above the H-point—front.
- W5 HIP ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the H-point—front within 1.0 inches below and 3.0 inches above the H-point height and 3.0 inches fore and aft of the H-point.
- H50 UPPER BODY OPENING TO GROUND — FRONT. The vertical dimension from a point on the trimmed body opening to the ground, measured at the H Point station.
- H18 STEERING WHEEL ANGLE — VERTICAL. The angle measured from a vertical to the surface plane of the steering wheel.
- L40 BACK ANGLE — FRONT. The angle measured between a vertical line through the H-Point-Front and the torso line.

### Rear Compartment Dimensions

- L50 H POINT COUPLE DISTANCE. The horizontal dimension from the front seat H Point to the rear seat H Point.
- H63 EFFECTIVE HEAD ROOM — REAR. The dimension from the H Point to the headlining, plus a constant of 4.0 inches, measured along a line 8° rear of vertical.
- H76 EFFECTIVE T POINT HEADROOM — REAR. Measured in the same manner as H75.
- L51 MINIMUM EFFECTIVE LEG ROOM — REAR. Measured along a diagonal line from the ankle pivot center to the H

Point plus a constant of 10.0 inches, with the foot positioned to the nearest interference between the seat structure and toe, instep or lower leg.

- H31 H POINT TO HEEL POINT — REAR. The vertical dimension from the H Point to the Manikin heel Point on the depressed floor covering.
- L48 KNEE CLEARANCE. The minimum dimension measured from the knee pivot center to the back of front seatback minus 2.0 inches.
- L3 REAR COMPARTMENT ROOM. The horizontal dimension from the back of front seat to front of rear seat back at height tangent to the top of rear seat cushion.
- W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the H-point—second within 10.0-16.0 inches above the H-point—second.
- W6 HIP ROOM—SECOND. Measured in the same manner as W5.
- H51 UPPER BODY OPENING TO GROUND — REAR. The vertical dimension from a point on the trimmed body opening to the ground, measured 13.0 inches forward of the H Point.

### Luggage Compartment Dimensions

- V1 LUGGAGE CAPACITY — USABLE. The total luggage compartment luggage capacity in cubic feet with the tire and tools in place.
- H195 LIFTOVER HEIGHT. Vertical dimension from the highest point on the luggage compartment lower opening to ground, excluding corner radii.

### Station Wagon — Third Seat Dimensions

- W85 SHOULDER ROOM—THIRD. Measured in the same manner as W4.
- W86 HIP ROOM—THIRD. Measured in the same manner as W5.
- L86 EFFECTIVE LEG ROOM — THIRD SEAT. Measured along a diagonal line from ankle pivot center to H Point plus a constant of 10.0 inches. With rear-facing third seat, foot is positioned in foot well or to nearest interference with rear end or rear closure.
- H86 EFFECTIVE HEAD ROOM — THIRD SEAT. The dimension from H Point to the headlining, plus a constant of 4.0 inches. Measured along a line 8° rear of vertical.
- H89 EFFECTIVE T POINT HEADROOM — THIRD SEAT. Measured in the same manner as H75.

# MVMA Specifications Form

## Passenger Car

### Interior Car And Body Dimensions — Key Sheet

#### Dimension Definitions

#### Station Wagon — Cargo Space Dimensions

- L202 CARGO LENGTH AT FLOOR — FRONT SEAT. The horizontal dimension measured at the floor level from the rear of the front seat back to the normal inside limiting interference on the tailgate, on the car centerline.
- L204 CARGO LENGTH AT BELT — FRONT SEAT. The horizontal dimension measured from the top rear of front seat back to a vertical extension line from the normal inside limiting interference at the top of the tailgate, on the car centerline.
- W201 CARGO WIDTH — WHEELHOUSE. The minimum horizontal dimension measured between wheel housings at floor level.
- W204 OPENING WIDTH AT BELT. The minimum horizontal dimension measured between the nearest normal inside limiting interferences of the rear opening at the top of the tailgate.
- H201 MAXIMUM CARGO HEIGHT. The maximum vertical dimension measured from the top of the floor covering to the headlining, on the car centerline.
- H202 REAR OPENING HEIGHT. The vertical dimension measured from the top of the floor covering to the normal inside limiting interference at the top of the rear opening, on the car centerline, with both tail and liftgates fully open.
- V2 CARGO VOLUME INDEX BEHIND FRONT SEAT. The total volume in cubic feet above the normal load floor and behind the front seat with the liftgate and tailgate closed.

$$\frac{W4 \times L204 \times H201}{1728}$$

#### Hatch Back — Cargo Space Dimensions

All hatch back cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatch back door is in the closed position. (For electrically adjusted seats, see manufacturer's specifications for Design H-Point)

- H197 FRONT SEAT BACK TO LOAD FLOOR HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seat back to the undepressed floor covering.
- L208 CARGO LENGTH AT FRONT SEAT BACK HEIGHT. The horizontal dimension measured from the top rear of front seat back to the inside limiting interference of the hatch back door on the car centerline.
- L209 CARGO LENGTH AT FLOOR — FRONT SEAT. The horizontal dimension measured at floor level from the rear of the front seat back to the normal limiting interference of the hatch back door on the car centerline.
- V3 HATCH BACK — CARGO INDEX VOLUME. Hatch back cargo index volume is to be determined by the following formula, and expressed in terms of cubic feet.

$$\frac{L208 + L209}{2} \times W4 \times H197$$

1728

# MYMA Specifications Form Passenger Car

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