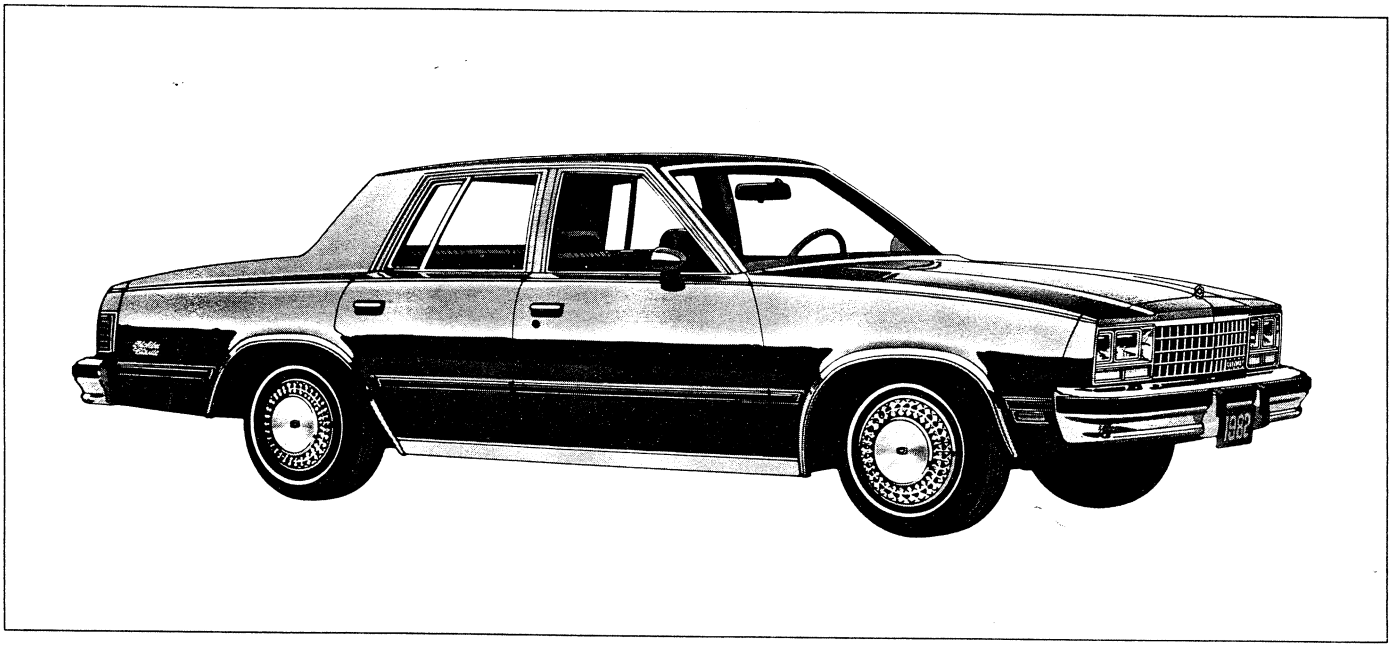
2731MALI-82

1982 MALIBU CLASSIC

ORDERING INFORMATION

MODELS

MALIBU CLASSIC	Model Number
4-Door Sport Sedan	1GW69
4-Door Station Wagon	1GW35



NEW FEATURES

- Diesel engine now available in all states.
- Automatic transmission standard.
- Quad rectangular headlamps now standard both models.
- Front-fender-mounted side marker lamps.
- Grille styling now features miniature rectangular openings.
- Twin turn signal/parking lamps below headlamps.
- Fold-down center armrest standard both models.
- New custom trim available.
- Carpeted lower door panels are standard.
- Column-mounted dimmer switch now includes washer/wiper controls.
- New 100,000-mile-plus odometer.
- Low-drag front disc brakes.
- Hood ornament now standard all models.
- Fixed-length fender antenna with all optional radios.
- Optional clock now quartz electric.
- Engine block and fuel line heater for diesel available.

CONTINUED STANDARD FEATURES

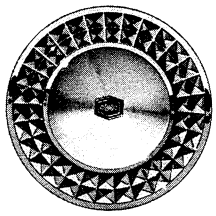
- Power steering.
- Power disc/drum brake system.
- Delco Freedom II battery.
- High Energy Ignition system.
- GM Specification fiberglass-belted radial ply tires.
- Front stabilizer bar.
- Inside hood release.
- Color-keyed cut-pile carpeting.
- Glove compartment lock.
- Compact spare tire.

EQUIPMENT SUMMARY	Sport Sedan	Station Wagon
Bright roof drip molding	S	S
Bright body sill molding	S	S
Body pin striping	EC	EC
Full vinyl roof cover	EC	NA
Full wheel covers	S	S
Hood ornament	S	S
Front door pull straps	S	S
Carpeted lower door panels	S	S
Front seat armrest	S	S
Courtesy lights	S	S
Cigarette lighter	S	S
3.8 Liter 2-Bbl. V6 (229 CID-Federal: 231 CID-Calif.)	S.	S
Power steering	S	S
Power brakes	S	S
Automatic transmission	S	S
Dual horns	S	S
P185/75R-14 radial ply tires and 6" wheels	S	NA
P195/75R-14 radial ply tires and 6" wheels	EC	S

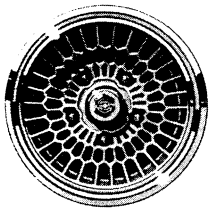
S—Standard EC—Extra Cost NA—Not Available

Refer to Dealer Order Guide for option availability and application.

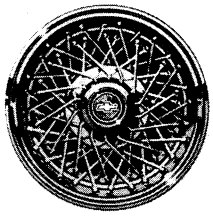
Wheel Trim



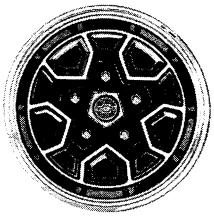
Full Wheel Cover
Standard



Sport Wheel Cover
RPO PB2 (Silver Color);
RPO 55P Gold

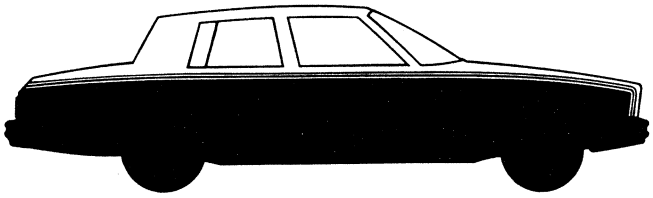


Wire Wheel Cover
RPO N95



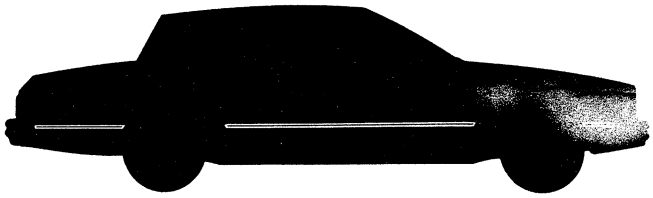
Rally Wheel
RPO ZJ7

Custom Two-Tone Paint (RPO D84)



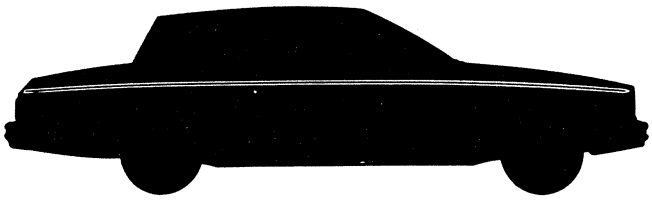
Two-Tone exterior paint with accent color on body sides, fenders and lower deck lid or tailgate. Color-keyed pin striping separates the two colors. Available in choice of four combinations. (Not available with BX3 Estate Equipment.)

Body Side Moldings (RPO BW2)



Bright with black insert. (Not available with BX3 Estate Equipment.)

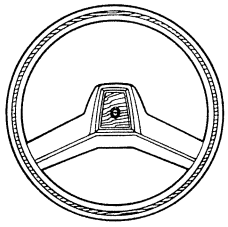
Body Pin Striping (RPO D85)



On body sides, deck lid and fenders. Available in six dual-stripe colors keyed to exterior/interior colors. (Not available with BX3 Estate Equipment.)

Steering Wheel

Interior color, wood-grain insert in rim, Malibu crest over wood-grain accent.



Litho in U.S.A. 3126 3/81

Refer to Dealer Order Guide for option availability and application.

ALPHABETICAL OPTION INDEX

(Not for ordering purposes)

Option Number	Description
AU3	DOOR LOCK SYSTEM, POWER
AU6	TAILGATE WINDOW RELEASE, POWER
AW9	SECURITY PACKAGE: Cargo Area
A01	GLASS, TINTED: All Windows
A31	WINDOWS, POWER
BW2	MOLDINGS: Body Side, Deluxe
BX3	ESTATE EQUIPMENT
B3W	PRELIMINARY PRICE INFORMATION
B37	FLOOR COVERING: Mats, Color-Keyed Floor. Front and Rear
B39	FLOOR COVERING: Carpeting, Deluxe Load Floor
B93	MOLDINGS: Door Edge Guard
CD4	WINDSHIELD WIPER SYSTEM: Intermittent
C49	DEFOGGER, REAR WINDOW: Electric
C51	AIR DEFLECTOR, REAR WINDOW
C60	AIR CONDITIONING
D33	MIRROR: Outside Rearview, LH Remote Control
D35	MIRRORS: Sport, LH Remote and RH Manual
D60	NON-RECOMMENDED COLOR COMBINATION
D84	PAINT: Custom Two-Tone
D85	STRIPING, PIN: Body
F40	SUSPENSION EQUIPMENT: Suspension, Heavy-Duty Front and Rear
G80	AXLE, REAR: Limited Slip Differential
✓ G84	AXLE, REAR: High Altitude Ratio
G92	AXLE, REAR: Performance Ratio
K35	SPEED CONTROL, AUTOMATIC: With Resume Speed
LC3	ENGINE: 3.8 Liter 2 BBL V6
LD5	ENGINE: 3.8 Liter 2 BBL V6
LF9	ENGINE: 5.7 Liter Diesel V8 With Water-In-Fuel Indicator
LG4	ENGINE: 5.0 Liter 4 BBL V8
LT6	ENGINE: 4.3 Liter Diesel V6 With Water-In-Fuel Indicator
L39	ENGINE: 4.4 Liter 2 BBL V8
NA5	EMISSION SYSTEM: Standard Emission Equipment
NA6	EMISSION SYSTEM: High Altitude Emission Equipment
N18	WHEEL COVER LOCKING PACKAGE
N33	STEERING WHEEL: Comfortilt
N95	WHEEL TRIM: Wheel Covers, Wire
PB2	WHEEL TRIM: Wheel Covers, Sport (Silver)
P42	PUNCTURE SEALANT TIRES
QVJ	TIRES: P195/75 R-14 White Stripe (Radial)
QVT	TIRES: P205/75 R-14 White Stripe (Radial)
QXW	TIRES: P195/75 R-14 White Stripe (Radial)
QXX	TIRES: P205/75 R-14 Blackwall (Radial)
QYD	TIRES: P185/75 R-14 Blackwall (Radial)
QYE	TIRES: P185/75 R-14 White Stripe (Radial)
QYF	TIRES: P195/75 R-14 Blackwall (Radial)
QYG	TIRES: P195/75 R-14 White Stripe (Radial)
TR9	LIGHTING, AUXILIARY
TT5	HEADLAMPS, HALOGEN HI-BEAM
UA1	BATTERY, HEAVY-DUTY
UF7	GAGE PACKAGE WITH TRIP ODOMETER
UM2	RADIO EQUIPMENT: AM/FM Stereo Radio with 8-Track Stereo Tape
UN3	RADIO EQUIPMENT: AM/FM Stereo Radio with Stereo Cassette Tape
U35	CLOCK: Quartz Electric
U58	RADIO EQUIPMENT: AM/FM Stereo Radio
U63	RADIO EQUIPMENT: AM Radio
U69	RADIO EQUIPMENT: AM/FM Radio
U73	RADIO EQUIPMENT: Fixed Mast Antenna
U75	RADIO EQUIPMENT: Power Antenna
U81	RADIO EQUIPMENT: Speakers, Dual Rear
VE5	BUMPER EQUIPMENT: Bumper Rub Strips
V08	COOLING, HEAVY-DUTY
V10	COLD CLIMATE PACKAGE
V30	BUMPER EQUIPMENT: Bumper Guards, Front and Rear
V55	CARRIER, ROOF
YF5	EMISSION SYSTEM: California Emission Requirements
ZJ7	WHEEL TRIM: Wheels, Rally
21M	ACCENT COLOR: Lt Blue Metallic
68M	ACCENT COLOR: Lt Brown Metallic
72M	ACCENT COLOR: Lt Redwood Metallic
84M	ACCENT COLOR: Charcoal Metallic
55P	WHEEL TRIM: Wheel Covers, Sport (Gold)

COLOR AND TRIM SELECTION (Refer Page 6 for Additional Information)

PLEASE NOTE: The Exterior and Interior Combinations shown in the charts 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.
NOTE: FOR SPECIAL PAINT APPLICATIONS PLEASE CONTACT THE ZONE OFFICE.

Interior Trim Color		Dk Blue	Camel	Jade	Redwood	Slvr.Gray
MODEL	SEAT TYPE					
1GW69	Cloth Bench Cloth 55/45	CDD1 CDD3	CCC1 CCC3		CFF1 CFF3	
	Vinyl Bench Vinyl 55/45	VDD1 VDD3	VCC1 VCC3		VFF1 VFF3	VQQ1 VQQ3
	Custom Cloth Bench	FDD1	FCC1	FGG1	FFF1	

WITH D84 CUSTOM TWO-TONE PAINT (Accent Color Must be Specified)
(D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L	U	Accent Color and Ordering Code #		Dk Blue	Camel	Jade	Redwood	Slvr.Gray
Beige	63	63	Lt Brown (Met)	68M		R			
Blue, Dark(Met)	29	29	Lt Blue (Met)	21M	R				
Redwood (Met)	77	77	Lt Redwood (Met)	72M				R	
Silver Gray	80	80	Charcoal (Met)	84M					R

Must be ordered

WITHOUT D84 CUSTOM TWO-TONE PAINT

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Beige	63	63	R	R		R	
Blue, Dark (Met)	29	29	R	R			R
Blue, Light (Met)	21	21	R				
Brown, Light (Met)	68	68		R			
Charcoal (Met)	84	84			R		R
Jade, Dark (Met)	49	49		R	R		
Jade, Light (Met)	45	45			R		
Redwood, Light (Met)	72	72				R	
Redwood (Met)	77	77		R		R	
Silver Gray	80	80	R			R	R
Silver (Met)	16	16	R		A	A	R
White	11	11	R	R	R	R	R

✓ POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO 2.29	2.41	2.73	3.08
WITH NA5 STANDARD EMISSIONS				
*LC3	—	Std	—	—
*L39	Std	—	—	—
WITH NA5 STANDARD OR NA6 HIGH ALTITUDE EMISSIONS				
LT6	—	@Std	—	—
LF9	Std	—	—	—
WITH NA6 HIGH ALTITUDE EMISSIONS				
LC3	—	—	G84	—
L39	—	—	—	G84
WITH YF5 CALIFORNIA EMISSIONS				
LD5	—	Std	—	—
LF9	Std	—	—	—

*Satisfies High Altitude Emission Requirements
@w/NA6 Axle Ratio is 2.56

MALIBU CLASSIC SEDAN

REFER WEEKLY STOPS/LATEST UPDATE

MODEL

1GW69 Malibu Classic Sedan

ENGINES: MUST ORDER ONE (See Power Teams)

STANDARD EMISSION EQUIPMENT ***(Does Not Satisfy High Altitude Requirements)—REQUIRES NA5***

_____LT6 4.3 Liter Diesel V6 with Water-In-Fuel Indicator *(V10 Cold Climate Package Recommended for use in Cold Climate Areas)*

_____LF9 5.7 Liter Diesel V8 with Water-In-Fuel Indicator *(Reqs QVJ or QXW Tires) (V10 Cold Climate Package Recommended for use in Cold Climate Areas)*

STANDARD EMISSION EQUIPMENT ***(Also Satisfies High Altitude Requirements)—REQUIRES NA5***

_____LC3 3.8 Liter 2 BBL V6

_____L39 4.4 Liter 2 BBL V8

HIGH ALTITUDE EMISSION EQUIPMENT—REQUIRES NA6

✓ _____LC3 3.8 Liter 2 BBL V6 *(Reqs G84 Axle) (FOR PERFORMANCE PURPOSES; NOT REQUIRED TO SATISFY HIGH ALTITUDE EMISSION REGULATIONS)*

_____LT6 4.3 Liter Diesel V8 with Water-In-Fuel Indicator *(Reqs V10 Cold Climate Package)*

✓ _____L39 4.4 Liter 2 BBL V6 *(Reqs G84 Axle) (FOR PERFORMANCE PURPOSES; NOT REQUIRED TO SATISFY HIGH ALTITUDE EMISSION REGULATIONS)*

_____LF9 5.7 Liter Diesel V8 with Water-In-Fuel Indicator *(Reqs C60 Air, V10 Cold Climate Package and QVJ or QXW Tires)*

CALIFORNIA EMISSION EQUIPMENT—REQUIRES YF5

_____LD5 3.8 Liter 2 BBL V6

_____LF9 5.7 Liter Diesel V8 with Water-In-Fuel Indicator *(Reqs QVJ or QXW Tires) (V10 Cold Climate Package Recommended for Use in Cold Climate Areas)*

EMISSION SYSTEMS: MUST ORDER ONE ***(See Above)***

_____**NA5 Standard Emission Equipment**

_____**NA6 High Altitude Emission Equipment**

_____**YF5 California Emission Requirements**

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE OPTION.		3 3 A	3 3 4 A	3 3 5 A	3 3 6 A
Air Conditioning	C60	x	x	x	x
Glass, Tinted	A01	x	x	x	x
Mats, Color-Keyed Floor	B37	x	x	x	x
Moldings, Body Side Deluxe	BW2	x	x	x	x
Radio, AM	U63	x	N/I	N/I	N/I
Tires, P195/75 White Stripe	QVJ	x	x	x	x
Clock, Quartz Electric	U35		x	x	N/I
Defogger, Rear Window Electric	C49		x	x	x
Mirror, LH Remote	D33		x	N/I	N/I
Moldings, Door Edge Guard	B93		x	x	x
Radio, AM/FM	U69		x	N/I	N/I
Speed Control with Resume Speed	K35		x	x	x
Steering Wheel, Comfortilt	N33		x	x	x
Bumper Guards	V30			x	x
Bumper Rub Strips	VE5			x	x
Lighting, Auxiliary	TR9			x	x
Mirrors Sport, LH Remote and RH Manual	D35			x	x
Radio, AM/FM Stereo	U58			x	x
Wheels, Rally	ZJ7			x	N/I
Door Lock System, Power	AU3				x
Gage Pkg w/Trip Odometer (w/o LT6 or LF9 Eng)	UF7				x
Wheel Cover Locking Package	N18				x
Wheel Cover, Wire	N95				x
Windows, Power	A31				x
W/S Wiper System Intermittent	CD4				x

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
333	C60	**AIR CONDITIONING**
		AXLES, REAR:
✓ ____	G84	——High Altitude Ratio *(Reqs NA6 Emissions and LC3 or L39 Eng)*
____	G80	——Limited Slip Differential
____	UA1	**BATTERY, HEAVY-DUTY**
		BUMPER EQUIPMENT: Front and Rear
335	VE5	——Bumper Rub Strips
335	V30	——Bumper Guards
334	U35	**CLOCK:** Quartz Electric *(Incl w/UF7 Gage Package)*
____	V10	**COLD CLIMATE PACKAGE:** *(Reqs LT6 or LF9 Eng) (Incls UA1 Battery) (Recommended for use in Cold Climate Areas)*
✓ ____	V08	**COOLING, HEAVY-DUTY:** *(w/LT6 or LF9 Eng N/A C60 Air)*
334	C49	**DEFOGGER, REAR WINDOW:** Electric
336	AU3	**DOOR LOCK SYSTEM, POWER**
333	B37	**FLOOR COVERING:** Mats, Color-Keyed Floor. Front and Rear
336	UF7	**GAGE PACKAGE WITH TRIP ODOMETER:** *(N/A LT6 or LF9 Eng) (Incls U35 Clock)*
333	A01	**GLASS, TINTED:** All Windows
____	TT5	**HEADLAMPS, HALOGEN HI-BEAM**
335	TR9	**LIGHTING, AUXILIARY**
		MIRRORS:
334	D33	——Outside Rearview, LH Remote Control
335	D35	——Sport, LH Remote and RH Manual
		MOLDINGS:
333	BW2	——Body Side, Deluxe *(Black Color Molding Only)*
334	B93	——Door Edge Guard
____	D84	**PAINT, CUSTOM TWO-TONE:** *(Refer Page 2 for Exterior Paint Availability and Page 6 for Add'l Information)*
____	B3W	**PRELIMINARY PRICE INFORMATION**
		RADIO EQUIPMENT:
333	U63	——AM Radio
334	U69	——AM/FM Radio
335	U58	——AM/FM Stereo Radio
____	UM2	——AM/FM Stereo Radio w/8-Track Stereo Tape
____	UN3	——AM/FM Stereo Radio w/Stereo Cassette Tape
____	U81	——Speakers, Dual Rear *(Reqs U63 or U69 Radio) (Incl w/U58, UM2 or UN3 Radio)*
____	U73	——Fixed Mast Antenna *(Incl w/U63, U69, U58, UM2 or UN3 Radio)*
____	U75	——Power Antenna *(Reqs U63, U69, U58, UM2 or UN3 Radio) (N/A U73 Antenna)*
334	K35	**SPEED CONTROL, AUTOMATIC:** With Resume Speed
334	N33	**STEERING WHEEL:** Comfortilt
____	D85	**STRIPING, PIN:** Body *(N/A D84 Paint) (Refer Page 6 for Stripe Color Application)*
____	F40	**SUSPENSION EQUIPMENT:** Heavy-Duty Front and Rear
		TIRES: *(B/W: Blackwall, W/S: White Stripe)* Fiberglass Belted Radial Ply
✓ ____	QYD	——P185/75 R-14 B/W *(Base) (N/A LF9 Eng)*
✓ ____	QYE	——P185/75 R-14 W/S *(N/A LF9 Eng)*
		Steel Belted Radial Ply
333	QVJ	——P195/75 R-14 W/S
____	QXW	——P195/75 R-14 W/S *(Reqs P42 Tires)*
____	P42	——Puncture Sealant Tires *(Reqs QXW Tires)*
336	N18	**WHEEL COVER LOCKING PACKAGE:** *(Reqs N95 Wheel Covers)*
		WHEEL TRIM:
____	PB2	——Wheel Covers, Sport *(Silver)*
____	55P	——Wheel Covers, Sport *(Gold) (N/A 16, 21, 29, 80 or 84 Paint)*
336	N95	——Wheel Covers, Wire
335	ZJ7	——Wheels, Rally
336	A31	**WINDOWS, POWER**
336	CD4	**WINDSHIELD WIPER SYSTEM:** Intermittent

COLOR AND TRIM SELECTION (Refer Page 6 for Additional Information)

PLEASE NOTE: The Exterior and Interior Combinations shown in the charts 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.
NOTE: FOR SPECIAL PAINT APPLICATIONS PLEASE CONTACT THE ZONE OFFICE.

Interior Trim Color		Dk Blue	Camel	Redwood	Slvr.Gray
MODEL	SEAT TYPE				
1GW35	Cloth Bench	CDD1	CCC1	CFF1	
	Cloth 55/45	CDD3	CCC3	CFF3	
	Vinyl Bench	VDD1	VCC1	VFF1	VQQ1
	Vinyl 55/45	VDD3	VCC3	VFF3	VQQ3

WITH D84 CUSTOM TWO-TONE PAINT (Accent Color Must be Specified)
(D60 NON-RECOMMENDED COLOR COMBINATION NOT PERMITTED)

Exterior Paint Color	Color Code L	Color Code U	Accent Color and Ordering Code #		Dk Blue	Camel	Redwood	Slvr.Gray
Beige	63	63	Lt Brown (Met)	68M		R		
Blue, Dark(Met)	29	29	Lt Blue (Met)	21M	R			
Redwood (Met)	77	77	Lt Redwood (Met)	72M			R	
Silver Gray	80	80	Charcoal (Met)	84M				R

Must be ordered

WITHOUT D84 CUSTOM TWO-TONE PAINT

PLEASE NOTE: Orders for additional Interior Trim combinations may be submitted, provided the dealer orders (D60), as verification that the requested combination is definitely desired.

Beige	63	63	R	R	R	
Blue, Dark (Met)	29	29	R	R		R
Blue, Light (Met)	21	21	R			
Brown, Light (Met)	68	68		R		
Charcoal (Met)	84	84				R
Jade, Dark (Met)	49	49		R		
Redwood, Light (Met)	72	72			R	
Redwood (Met)	77	77		R	R	
Silver Gray	80	80	R		R	R
Silver (Met)	16	16	R		A	R
White	11	11	R	R	R	R

✓ POWER TEAMS (Refer to next page for option availability and application)

ENGINE OPTION CONDITION	AXLE RATIO				
	2.29	2.41	2.56	2.73	3.08
WITH NA5 STANDARD EMISSIONS					
*LC3	—	—	—	Std	—
*L39	—	—	Std	—	—
*LG4	—	Std	—	G92	—
WITH NA5 STANDARD OR NA6 HIGH ALTITUDE EMISSIONS					
LF9	Std	—	—	—	—
WITH NA6 HIGH ALTITUDE EMISSIONS					
LG4	—	—	—	—	G84
WITH YF5 CALIFORNIA EMISSIONS					
LD5	—	—	—	Std	—
LG4	—	Std	—	G92	—
LF9	Std	—	—	—	—

*Satisfies High Altitude Emission Requirements

MALIBU CLASSIC WAGON

REFER WEEKLY STOPS/LATEST UPDATE

MODEL

1GW35 Malibu Classic Wagon

ENGINES: MUST ORDER ONE (See Power Teams)

STANDARD EMISSION EQUIPMENT ***(Does Not Satisfy High Altitude Requirements)——REQUIRES NA5***

_____LF9 5.7 Liter Diesel V8 with Water-In-Fuel Indicator *(Reqs QVT or QXX Tires) (V10 Cold Climate Package Recommended for Use in Cold Climate Areas)*

STANDARD EMISSION EQUIPMENT ***(Also Satisfies High Altitude Requirements)——REQUIRES NA5***

_____LC3 3.8 Liter 2 BBL V6
_____L39 4.4 Liter 2 BBL V8
_____LG4 5.0 Liter 4 BBL V8

HIGH ALTITUDE EMISSION EQUIPMENT——REQUIRES NA6

✓ _____LG4 5.0 Liter 4 BBL V8 *(Reqs G84 Axle) (FOR PERFORMANCE PURPOSES; NOT REQUIRED TO SATISFY HIGH ALTITUDE EMISSION REGULATIONS)*
_____LF9 5.7 Liter Diesel V8 with Water-In-Fuel Indicator *(Reqs C60 Air, V10 Cold Climate Package and QVT or QXX Tires)*

CALIFORNIA EMISSION EQUIPMENT——REQUIRES YF5

_____LD5 3.8 Liter 2 BBL V6
_____LG4 5.0 Liter 4 BBL V8
_____LF9 5.7 Liter Diesel V8 with Water-In-Fuel Indicator *(Reqs QVT or QXX Tires) (V10 Cold Climate Package Recommended for use in Cold Climate Areas)*

EMISSION SYSTEMS: MUST ORDER ONE ***(See Above)***

_____**NA5 Standard Emission Equipment**

_____**NA6 High Altitude Emission Equipment**

_____**YF5 California Emission Requirements**

QUICK-SPEC

IF TIRE IN QUICK-SPEC IS NOT DESIRED YOU MUST "PLUS" ANOTHER TIRE OPTION.		**3 4 0 A**	**3 4 1 A**	**3 4 2 A**	**3 4 3 A**
Air Conditioning	C60	x	x	x	x
Carrier, Roof	V55	x	x	x	x
Glass, Tinted	A01	x	x	x	x
Moldings, Body Side Deluxe (w/o BX3 Estate)	BW2	x	x	x	x
Radio, AM	U63	x	x	N/I	N/I
✓ Tires, P195/75 White Stripe (QVT W/LF9 Eng)	QVJ	x	x	x	x
Air Deflector, Rear Window	C51		x	x	x
Clock, Quartz Electric	U35		x	x	x
Defogger, Rear Window Electric	C49		x	x	x
Mats, Color-Keyed Floor	B37		x	x	x
Mirror, LH Remote	D33		x	N/I	N/I
Speed Control with Resume Speed	K35		x	x	x
Steering Wheel, Comfortilt	N33		x	x	x
Tailgate Release, Power	AU6		x	x	x
Bumper Guards	V30			x	x
Bumper Rub Strips	VE5			x	x
Carpeting, Load Floor	B39			x	x
Door Lock System, Power	AU3			x	x
Lighting, Auxiliary	TR9			x	x
Mirrors Sport, LH Remote, RH Manual	D35			x	x
Radio, AM/FM	U69			x	N/I
Estate Equipment	BX3				x
Gage Package with Trip Odometer (w/o LF9 Eng)	UF7				x
Moldings, Door Edge Guard (w/o BX3 Estate)	B93				x
Radio, AM/FM Stereo	U58				x
Security Package, Cargo Area	AW9				x
Wheels, Rally	ZJ7				x
Windows, Power	A31				x
W/S Wiper System, Intermittent	CD4				x

PLEASE REVIEW OPTION RESTRICTIONS BEFORE ORDERING

Q-S	OPTION	
340	C60	**AIR CONDITIONING**
341	C51	**AIR DEFLECTOR, REAR WINDOW**
		AXLES, REAR:
✓ _____	G84	——High Altitude Ratio *(Reqs NA6 Emissions and LG4 Eng)*
_____	G80	——Limited Slip Differential
_____	G92	——Performance Ratio *(See Power Teams Chart) (Reqs LG4 Eng)*
_____	UA1	**BATTERY, HEAVY-DUTY**
		BUMPER EQUIPMENT: Front and Rear
342	VE5	——Bumper Rub Strips
342	V30	——Bumper Guards
340	V55	**CARRIER, ROOF**
341	U35	**CLOCK:** Quartz Electric *(Incl w/UF7 Gage Package)*
_____	V10	**COLD CLIMATE PACKAGE:** *(Reqs LF9 Eng) (Incls UA1 Battery) (Recommended for use in Cold Climate Areas)*
✓ _____	V08	**COOLING, HEAVY-DUTY:** *(w/LF9 N/A C60 Air)*
341	C49	**DEFOGGER, REAR WINDOW:** Electric
342	AU3	**DOOR LOCK SYSTEM, POWER**
343	BX3	**ESTATE EQUIPMENT:** *(N/A D85 Striping, B93 or BW2 Mldgs)*
		FLOOR COVERING:
342	B39	——Carpeting, Deluxe Load Floor
341	B37	——Mats, Color-Keyed Floor. Front and Rear
343	UF7	**GAGE PACKAGE WITH TRIP ODOMETER:** *(N/A LF9 Eng) (Incls U35 Clock)*
340	A01	**GLASS, TINTED:** All Windows
_____	TT5	**HEADLAMPS, HALOGEN HI-BEAM**
342	TR9	**LIGHTING, AUXILIARY**
		MIRRORS:
341	D33	——Outside Rearview. LH Remote Control
342	D35	——Sport, LH Remote and RH Manual
		MOLDINGS:
340	BW2	——Body Side, Deluxe *(N/A BX3 Estate) (Black Color Molding Only)*
343	B93	——Door Edge Guard *(N/A BX3 Estate)*
_____	D84	**PAINT, CUSTOM TWO-TONE:** *(N/A BX3 Estate) (Refer Page 4 for Exterior Paint Availability and Page 6 for Add'l Information)*
_____	B3W	**PRELIMINARY PRICE INFORMATION**
		RADIO EQUIPMENT:
340	U63	——AM Radio
342	U69	——AM/FM Radio
343	U58	——AM/FM Stereo Radio
_____	UM2	——AM/FM Stereo Radio w/8-Track Stereo Tape
_____	UN3	——AM/FM Stereo Radio w/Stereo Cassette Tape
_____	U81	——Speakers, Dual Rear *(Reqs U63 or U69 Radio) (Incl w/U58, UM2 or UN3 Radio)*
_____	U73	——Fixed Mast Antenna *(Incl w/U63, U69, U58, UM2 or UN3 Radio)*
_____	U75	——Power Antenna *(Reqs U63, U69, U58, UM2 or UN3 Radio) (N/A U73 Antenna)*
343	AW9	**SECURITY PACKAGE:** Cargo Area
341	K35	**SPEED CONTROL, AUTOMATIC:** With Resume Speed
341	N33	**STEERING WHEEL:** Comfortilt
_____	D85	**STRIPING, PIN:** Body *(N/A D84 Paint) (Refer Page 6 for Stripe Color Application)*
341	AU6	**TAILGATE WINDOW RELEASE, POWER**
		TIRES: *(B/W: Blackwall, W/S: White Stripe)* Fiberglass Belted Radial Ply
✓ _____	QYF	——P195/75 R-14 B/W *(Base) (N/A LF9 Eng)*
✓ _____	QYG	——P195/75 R-14 W/S *(N/A LF9 Eng)* Steel Belted Radial Ply
✓ 340	QVJ	——P195/75 R-14 W/S *(N/A LF9 Eng)*
✓ _____	QXW	——P195/75 R-14 W/S *(Reqs P42 Tires) (N/A LF9 Eng)*
_____	QXX	——P205/75 R-14 B/W *(Reqs LF9 Eng)*
_____	QVT	——P205/75 R-14 W/S *(Reqs LF9 Eng)*
_____	P42	——Puncture Sealant Tires *(Reqs QXW Tires)*
_____	N18	**WHEEL COVER LOCKING PACKAGE:** *(Reqs N95 Wheel Covers)*
		WHEEL TRIM:
_____	PB2	——Wheel Covers, Sport *(Silver)*
_____	55P	——Wheel Covers, Sport *(Gold) (N/A 16, 21, 29, 80 or 84 Paint)*
_____	N95	——Wheel Covers, Wire
343	ZJ7	——Wheels, Rally
343	A31	**WINDOWS, POWER**
343	CD4	**WINDSHIELD WIPER SYSTEM:** Intermittent

WITHOUT D84 CUSTOM TWO-TONE PAINT
STRIPE COLOR ONLY WHEN D85 STRIPE IS ORDERED

EXTERIOR PAINT COLOR	INTERIOR TRIM COLOR				
	DARK BLUE	CAMEL	JADE	REDWOOD	SILVER GRAY
BEIGE 63 Stripe	BLUE	GOLD	GOLD	REDWOOD	GOLD
BLUE, DARK (MET) 29 Stripe	BLUE	GOLD	BLUE	BLUE	SILVER
BLUE, LIGHT (MET) 21 Stripe	BLUE	BLUE	BLUE	BLUE	BLUE
BROWN, LIGHT (MET) 68 Stripe	BEIGE	GOLD	BEIGE	BEIGE	BEIGE
CHARCOAL (MET) 84 Stripe	SILVER	SILVER	SILVER	SILVER	SILVER
JADE, DARK (MET) 49 Stripe	JADE	GOLD	JADE	JADE	SILVER
JADE, LIGHT (MET) 45 Stripe	JADE	JADE	JADE	JADE	JADE
REDWOOD, LIGHT (MET) 72 Stripe	REDWOOD	REDWOOD	REDWOOD	REDWOOD	REDWOOD
REDWOOD (MET) 77 Stripe	GOLD	GOLD	GOLD	GOLD	SILVER
SILVER GRAY 80 Stripe	BLUE	CHARCOAL	CHARCOAL	REDWOOD	CHARCOAL
SILVER (MET) 16 Stripe	BLUE	CHARCOAL	CHARCOAL	REDWOOD	CHARCOAL
WHITE 11 Stripe	BLUE	GOLD	JADE	REDWOOD	CHARCOAL

WITH D84 CUSTOM TWO-TONE PAINT (NO SUBSTITUTES ALLOWED)
STRIPE COLOR —INCLUDED

Exterior Paint Color	Color Code L	Color Code U	Accent Color and Ordering Code		Stripe (Included)
Beige	63	63	Lt Brown (Met)	68M	Gold/Lt Brown
Blue, Dark (Met)	29	29	Lt Blue (Met)	21M	Blue/Dk Blue
Redwood (Met)	77	77	Lt Redwood (Met)	72M	Dk Redwd/Lt Redwd
Silver Gray	80	80	Charcoal (Met)	84M	White/Silver (Met)

Specifications Form Passenger Car

1982

METRIC (U.S. Customary)

Manufacturer	Car Line	
CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	MONTE CARLO - MALIBU CLASSIC - EL CAMINO	
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MICHIGAN 48090	**Model Year** 1982	**Issued:** AUGUST, 1981 **Revised (•)** OCTOBER, 1981

NOTE: Sheets revised - 1, 2, 3b, 8, 8a, 8b, 9b, 12, 12a, 13, 13a, 14, 14a, 25, 26, 27,28,

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The General Specifications herein are those in effect at date of compilation and are subject to change without notice by the manufacturer.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Power Teams (Indicate whether standard or optional)

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

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (std. first) (indicate A/C ratio)	
	Displ. Liters (in³)	Carb. (Barrels)	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N - m (lb. ft.)	Exhaust System*		Base	Opt.
Base-All exc. Calif. Sedan & Monte Carlo	V6 3.8 (229) LC3	2	8.6:1	110@ 4200	170@ 2000	S	Auto '250C'-Base (Auto '350C'-Base)	@ 2.41:1	--
Wagon							Auto '250C'-Base	2.73:1	--
El Camino							Auto '250C'-Base		
Base-Calif. only Sedan & Monte Carlo	V6 3.8 (231) LD5	2	8.0:1	110@ 3800	190@ 1600	S	Auto '350C'-Base (Auto '250C'-Base@)	2.41:1	--
Wagon & El Camino							Auto '350C'-Base	2.73:1	--
Avail All Sedan & Monte Carlo	V6 4.3 (262) Diesel LT6	Fuel Injec-tion	22.5:1	85@ 3600	165@ 1600	S	Auto '200C'-Base	2.41:1	--
Avail All exc. Calif. Sedan & Monte Carlo	V8 4.4 (267) L39	2	8.3:1	115@ 4000	205@ 2400	S	Auto '250C'-Base (Auto '350C'-Base@)	2.29:1	--
Wagon & El Camino							Auto '250C'-Base (Auto '350C'-Base@)	2.56:1	--
Avail All Wagons & El Camino	V8 5.0 (305) LG4	4	8.6:1	145@ 4000	240@ 1600	S	Auto '250C'-Base (Auto '350C'-Base@)	2.4:1	--
							Auto '350C'-Base	--	2.73:1
Avail Calif. only Monte Carlo							Auto '350C'-Base (Auto '250C'-Base@)	2.29:1	--
Avail All exc Calif. Sed. & Monte Carlo+	V8 5.7 (350) Diesel LF9	Fuel Injec-tion	22.5:1	105@ 3200	200@ 1600	S	Auto '350C'-Base	2.29:1	--
Avail Calif. only Sed. & Monte Carlo* Wagon							Auto '350C'-Base	2.29:1	--

@ - Manufacturing option.
* - Air conditioning required.
+ - The 5.7 Liter - V8 Diesel will be made available, if availability of the 4.3 Liter - V6 Diesel proves insufficient.

*S—Single D—Dual

Car Models

Model Description (Include Line Drawings of Vehicles, if Desired)	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)		Max. Trunk/Cargo Load—Kilograms (Pounds)	
	MODEL NUMBER	FRONT	REAR		
Monte Carlo					
2-Door Coupe	1GZ37	3	3	73.1	(161.2)
Malibu Classic					
4-Door Sedan	1GW69	3	3	75.2	(165.8)
4-Door Station Wagon	1GW35	3	3	90.7	(200.0)
El Camino					
2-Door Sedan Pickup	1GW80	3	-	362.9	(800.0)

Note: Any specifications on the following pages that are specific to California requirements are indicated accordingly.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL CARBURETOR RPO LD5

ENGINE - GENERAL

Type (inline, V and angle flat)		90° 'V'	
Location (front,mid,rear)		Front	
Engine installation position (transverse, longitudinal)		Longitudinal	
Number of mtg. points	Front	Two	
	Rear	One	
No. of cylinders		6	
Bore		95 (3.736)	965 (3.80)
Stroke		88.4 (3.48)	86.4 (3.40)
Piston displacement cm^3 (in^3)		3753 (229)	3785 (231)
Bore spacing (c/l to c/l)		111.8 (4.40)	107.7 (4.24)
Cylinder block material		Cast alloy iron	
Cylinder block deck height		229.2 (9.025)	242.8 (9.56)
Deck clearance (minimum) (above or below block)		.025 below	1.91 below
Cylinder head material		Cast alloy iron	
Cylinder head volume — cm^3		58.9 (3.59)	48.19
Head gasket thickness (compressed)		.533 (.021)	.533
Head gasket volume — cm^3		3.98 (.243)	3.93
Minimum combustion chamber volume — cm^3		56.7	87.65
Cyl. no. system (front to rear)**	L. Bank	1-3-5	
	R. Bank	2-4-6	
Firing order		1-6-5-4-3-2	
Recommended fuel (leaded, unleaded)		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$		87	
Total dressed engine mass (wt) dry*		205.6 (453.2)	207.3 (457.0)

*Dressed engine mass (weight) includes to following: All those items necessary to make the engine a complete ready-to-run unit.

**Rear of engine — drive takeoff.
View from drive takeoff end to determine left & right side of engine.

MA Specifications Form
senger Car
RIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

e Description/Carb. s Code	4.4 LITER V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0 LITER V8 (305 CID) 4-BBL CARBURETOR RPO LG4

GINE - GENERAL

(inline, V and angle flat)		90° 'V'	
ation (front,mid,rear)		Front	
ne installation position nsverse, longitudinal)		Longitudinal	
nber of points	Front	Two	
	Rear	One	
of cylinders		8	
re		88.9 (3.50)	95.0 (3.736)
oke		88.4 (3.48)	
ston displacement cm^3 (in^3)		4375 (267)	4998 (305)
ore spacing (c/l to c/l)		111.8 (4.40)	
ylinder block material		Cast alloy iron	
ylinder block deck height		229.2 (9.025)	229.4 (9.03)
eck clearance (minimum) above or below block)		.025 below	
Cylinder head material		Cast alloy iron	
Cylinder head volume — cm^3		51.8 (3.16)	58.9
Head gasket thickness (compressed)		.021	
Head gasket volume — cm^3		3.61	3.98
Minimum combustion chamber volume — cm^3		49.6	56.7
Cyl. no. system (front to rear)**	L. Bank	1-3-5-7	
	R. Bank	2-4-6-8	
Firing order		1-8-4-3-6-5-7-2	
Recommended fuel (leaded, unleaded)		Unleaded	
Fuel antiknock index $\frac{(R+M)}{2}$		87	
Total dressed engine mass (wt) dry*		253.5 (559)	274.3 (605)

*Dressed engine mass (weight) includes to following: All those items necessary to make the engine a complete ready-to-run unit.

**Rear of engine — drive takeoff.
View from drive takeoff end to determine left & right side of engine.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Engine Description/Carb. Engine Code

4.3 LITER V6 (262 CID)
FUEL INJECTION DIESEL
RPO LT6

ENGINE - GENERAL

Type (inline, V and angle flat)		90° 'V'
Location (front,mid,rear)		Front
Engine installation position (transverse, longitudinal)		Longitudinal
Number of mtg. points	Front	2
	Rear	1
No. of cylinders		6
Bore		103.05 (4.057)
Stroke		85.98 (3.385)
Piston displacement cm^3 (in^3)		4.3 (262.5)
Bore spacing (c/l to c/l)		117.5 (4.625)
Cylinder block material		Cast iron
Cylinder block deck height		237 (9.330 ± .005)
Deck clearance (minimum) (above or below block)		.46 (.018 above)
Cylinder head material		Cast iron
Cylinder head volume — cm^3		21.48 (1.311 in^3)
Head gasket thickness (compressed)		1.17-1.22 (.046-.048)
Head gasket volume — cm^3		10.17 (.6205 in^3)
Minimum combustion chamber volume — cm^3		33.41 (2.039 in^3)
Cyl. no. system (front to rear)**	L. Bank	1-3-5
	R. Bank	2-4-6
Firing order		1-6-5-4-3-2
Recommended fuel (leaded, unleaded)		Diesel fuel #2 (above 20°F) #1 (below 20°F)
Fuel antiknock index $\frac{(R + M)}{2}$		
Total dressed engine mass (wt) dry*		261.0 (575.4)

*Dressed engine mass (weight) includes to following: All those items necessary to make the engine a complete ready-to-run unit.

**Rear of engine — drive takeoff.
View from drive takeoff end to determine left & right side of engine.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code: 5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9

ENGINE - GENERAL

Type (inline, V and angle flat)		90° 'V'
Location (front,mid,rear)		Front
Engine installation position (transverse, longitudinal)		Longitudinal
Number of mtg. points	Front	2
	Rear	1
No. of cylinders		8
Bore		103.05 (4.057)
Stroke		85.98 (3.385)
Piston displacement cm^3 (in^3)		5.7 (350)
Bore spacing (c/l to c/l)		117.5 (4.625)
Cylinder block material		Cast iron
Cylinder block deck height		237 (9.330 +/- .005)
Deck clearance (minimum) (above or below block)		.46 (.018 above)
Cylinder head material		Cast iron
Cylinder head volume — cm^3		21.48 (1.311 in^3)
Head gasket thickness (compressed)		1.17-1.22 (.046-.048)
Head gasket volume — cm^3		10.17 (.6205 in^3)
Minimum combustion chamber volume — cm^3		33.41 (2.039 in^3)
Cyl. no. system (front to rear)**	L. Bank	1-3-5-7
	R. Bank	2-4-6-8
Firing order		1-8-4-3-6-5-7-2
Recommended fuel (leaded, unleaded)		Diesel fuel #2 (above 20°F) #1 (below 20°F)
Fuel antiknock index $\frac{(R+M)}{2}$		
Total dressed engine mass (wt) dry*		# 315.3 (695.1) 328.9 (725.1)

*Dressed engine mass (weight) includes to following: All those items necessary to make the engine a complete ready-to-run unit.

Alum. Intake

**Rear of engine — drive takeoff.

View from drive takeoff end to determine left & right side of engine.

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL CARBURETOR RPO LD5

Engine — Pistons

Material			Cast aluminum alloy	
Description and finish (flat, dished, dome, etc.)			Closed skirt, sumped head	Full skirt with transverse slot, dished head
Mass, g (weight, oz.) — Piston Only			502 (17.71)	454 (16.01)
Clearance (limits)	Top land		.622-.851 (.0245-.0335)	1.19-1.32 (.047-.052)
	Skirt	Top	.018-.107 (.0007-.0042)	.03-.06 (.0011-.0023)
		Bottom		.04-.10 (.0016-.0038)
Ring groove diameter	No. 1 ring		84.33-84.71 (3.320-3.335)	86.10-85.73 (3.390-3.375)
	No. 2 ring		84.33-84.71 (3.320-3.335)	86.10-85.73 (3.390-3.375)
	No. 3 ring		83.82-84.20 (3.300-3.315)	86.26-85.93 (

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.	Compression	
	No. 2, oil or comp.	Compression	
	No. 3, oil or comp.	Oil	
Compression	Description — material, coating, etc.	Upper - Molybdenum filled channel, barrel face Lower - Inside bevel, reverse tapered face	
	Width	1.96-1.98 (.0770-.0780)	
	Gap	0.25-0.51 (.010-.020)	
Oil	Description — material, coating, etc.	TRW 'T' flex design .002" min. chrome	Multi-piece, (2) rails & (1) expander stainless steel - 50
	Width	4.52-4.62 (.178-.182)	.597-.622 (.0235-.0245)
	Gap	0.25-0.89 (.010-.035)	.038-1.40 (.015-.055)
Expanders		In oil ring assembly	Abuttment type

Engine — Piston Pins

Material			AISI 5015	
Length			75.95-76.45 (2.990-3.010)	73.66 (2.90)
Diameter			23.546-23.553 (.9270-.9273)	23.853-23.860 (.9391-.9394)
Type	Locked in rod, in piston, floating, etc.		Locked in rod	Pressed in rod
	Bushing	In rod or piston	--	
		Material	--	
Clearance	In piston		.0013-.0075 (.00005-.00030)	.008-.023 (.0003-.0009)
	In rod			.018-.043 (.0007-.0017)
Direction & amount offset in piston			Major thrust side-1.52 (.060)	Major thrust side-.102 (.040)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0 LITER V8 (350 CID) 4-BBL CARBURETOR RPO LG4

Engine — Pistons

Material			Cast aluminum alloy	
Description and finish (flat, dished, dome, etc.)			Closed skirt, sumphead	
Mass, g (weight, oz.) — Piston Only			445 (15.69)	502 (17.7)
Clearance (limits)	Top land		.635-.787 (.025-.031)	.622-.851 (.0245-.0335)
	Skirt	Top	.030-.043 (.0012-.0017)	.069-.145 (.0027-.0057)
		Bottom		
Ring groove diameter	No. 1 ring		79.04-79.30 (3.112-3.122)	84.33-84.71 (3.320-3.335)
	No. 2 ring		79.04-79.30 (3.112-3.122)	84.33-84.71 (3.320-3.335)
	No. 3 ring		77.98-78.23 (3.070-3.080)	83.82-84.20 (3.300-3.315)

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp	Compression	
	No. 2, oil or comp	Compression	
	No. 3, oil or comp	Oil	
Compression	Description — material, coating, etc.	Upper - cast alloy iron, radius-face, chrome flash Lower - cast alloy iron, reverse twist, tapered face lubrited	
	Width	1.96-1.98 (.0773-.0780)	
	Gap Upper	0.25-.051 (.010-.020)	.381 (.015)
Oil	Description — material, coating, etc.	TRW 'T' flex design .05 mm (.022" min. chrome)	
	Width	4.71 (.1855)	
	Gap	0.25-0.762 (.010-.030)	
Expanders		In oil ring assembly	

Engine — Piston Pins

Material			AISI 5015	AISI 5015
Length			69.60-70.10 (2.740-2.760)	75.95-76.45 (2.990-3.010)
Diameter			23.546-23.553 (.9270-.9273)	
Type	Locked in rod, in piston, floating, etc.		Locked in rod	
	Bushing	In rod or piston	--	
		Material	--	
Clearance	In piston		.0013-.0075 (.00005-.00030)	0.0114 (.00045)
	In rod			
Direction & amount offset in piston			Major thrust side-3.302-3.556 (.13-.14)	2.86-2.54 (.09.10) Major thrust side

Engine Description/Carb. Engine Code	4.3 LITER V6 (262 CID) FUEL INJECTION DIESEL RPO LT6

Engine — Pistons

Material			Aluminum alloy
Description and finish (flat, dished, dome, etc.)			Autothermic, cam grid Tin plate, steel strut
Mass, g (weight, oz.) — Piston Only			.796 kg (28.08)
Clearance (limits)	Top land		0.4318-0.7112 (.017-.028)
	Skirt	Top	
		Bottom	0.0762-0.1016 (.003-.004) at 19.05 (.75) below C/L pin
Ring groove diameter	No 1 ring		91.36-91.62 (3.597-3.607)
	No 2 ring		91.36-91.62 (3.597-3.607)
	No 3 ring		91.87-92.13 (3.617-3.627)

Engine — Piston Rings

Function (top to bottom)	No 1, oil or comp	Compression
	No 2, oil or comp	Compression
	No 3, oil or comp	Oil
Compression	Description — material, coating, etc.	Upper - cast iron with crowned molybdenum filled OD face, granosealed processed Lower - cast iron with tapered face
	Width	1.96-1.98 (.077-.078)
	Gap	0.381-0.635 (.015-.025)
Oil	Description — material, coating, etc.	Rails - spring steel, granoseal processed, chrome plated OD
	Width	0.596-0.660 (.0235-.0260)
	Gap	0.38-1.40 (.015-.055)
Expanders		Spacer - steel spring 601-75

Engine — Piston Pins

Material			Steel SAE #1019
Length			73.58 (2.897)
Diameter			27.82-27.81 (1.0953-1.0949)
Type	Locked in rod, in piston, floating, etc.		Floating
	Bushing	In rod or piston	Rod
		Material	SAE #791 bronze
Clearance	In piston		0.008-0.013 (.0003-.0005)
	In rod		0.008-0.033 (.0003-.0013)
Direction & amount offset in piston			1.016-1.270 (.040-.050) LH side viewed from front of engine

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) _____

Engine Description/Carb. Engine Code	5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9

Engine — Pistons

Material			Aluminum alloy
Description and finish (flat, dished, dome, etc.)			Autothermic, cam grind Tin plate, steel strut
Mass, g (weight, oz.) — Piston Only			.780 kg. (27.5 oz.)
Clearance (limits)	Top land		.864-1.092 (.034-.043 diametral)
	Skirt	Top	--
		Bottom	.127-.152 (.005-.006) .75 below piston pin C/L
Ring groove diameter	No. 1 ring		91.36-91.62 (3.597-3.607)
	No. 2 ring		91.36-91.62 (3.597-3.607)
	No. 3 ring		91.87-92.13 (3.617-3.627)

Engine — Piston Rings

Function (top to bottom)	No. 1, oil or comp.	Compression
	No. 2, oil or comp.	Compression
	No. 3, oil or comp.	Oil
Compression	Description — material, coating, etc.	Upper - cast iron with crowned molybdenum filled OD face, granoseal processed Lower - cast iron with tapered OD face
	Width	1.96-1.98 (.077-.078)
	Gap	.381-.635 (.015-.025)
Oil	Description — material, coating, etc.	Rails - spring steel, granoseal processed, chrome plated OD
	Width	(.0235-.0260)
	Gap	(.015-.055)
Expanders		Spacer - steel spring 601-75

Engine — Piston Pins

Material			Steel SAE #1019 or 1016
Length			73.81 (2.906)
Diameter			27.82-27.81 (1.0953-1.0949)
Type	Locked in rod, in piston, floating, etc.		Floating
	Bushing	In rod or piston	Rod
		Material	SAE #791 bronze
Clearance	In piston		.008-.013 (.0003-.0005)
	In rod		.008-.033 (.0003-.0013)
Direction & amount offset in piston			None

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code		
	3.8 LITER V6 (229 CID) 2-BBL CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL CARBURETOR RPO LD5

Engine — Connecting Rods

Material		1037 or 1038 steel	Cast arma steel
Mass, g (weight, oz.)		388 (13.69)	454 (16.01)
Length (center to center)		144.8 (5.70)	151.4 (5.96)
Bearing	Material & type	Premium aluminum	
	Overall length	17.86-18.11 (.703-.713)	16.61 (.654)
	Clearance (limits)	.025-.063 (.001-.0025)	.013-.066 (.0005-.0026)
	End play	.15-.38 (.006-.015)	.15-.58 (.006-.023)

Engine — Crankshaft

Material			Nodular cast iron	
Vibration damper type			Rubber mounted inertia	
End thrust taken by bearing (no.)			4	2
Crankshaft end play			.051-.152 (.002-.006)	.08-.28 (.003-.011)
Main bearing	Material & type		#1-G66 conecc; #2-4-M400	(a)
	Clearance		.0508-.0889 (.0020-.0035)	.010-.040 (.0004-.0017)
	Journal dia. and bearing overall length	No. 1	62.202x20.37 (2.4489x.802)	63.39x21.95 (2.4955x.864)
		No. 2	62.194x20.37 (2.4486x.802)	63.39x26.85 (2.4955x1.057)
		No. 3	62.194x20.37 (2.4486x.802)	63.39x21.95 (2.4955x.864)
		No. 4	62.189x29.39 (2.4484x1.157)	63.39x21.95 (2.4955x.864)
		No. 5	--	
		No. 6	--	
		No. 7	--	
	Dir. & amt. cyl. offset			
	No. bolts/main brg. cap		2	
Crankpin journal diameter			53.284-53.335 (2.0978-2.0998)	57.12-57.14 (2.249-2.250)

(a) #1-upper-M400 conecc; #1 lower-M100 conecc; #2,3-M400; #4-M100

Engine — Camshaft

Location			In block above crankshaft	
Material			Cast alloy iron	
Bearings	Material		Steel backed babbitt	
	Number		4	
Type of drive	Gear, chain or belt		chain	
	Crankshaft gear or sprocket material		Steel	Sintered iron
	Camshaft gear or sprocket material		Cast iron	Aluminum nylon
	Timing chain	No. of links	46	54
	Chain or belt	Width	15.87 (.625)	22.23 (.875)
		Pitch	12.7 (.500)	9.53 (.375)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0 LITER V8 (305 CID) 4-BBL CARBURETOR RPO LG4

Engine — Connecting Rods

Material		1037 or 1038 steel	
Mass, g (weight, oz.)		604.47 (21.32)	604.47 (21.32)
Length (center to center)		144.8 (5.70)	
Bearing	Material & type	Premium aluminum	
	Overall length	21.26 (.837)	
	Clearance (limits)	.033-.089 (.0013-.0035)	
	End play	.15-.41 (.006-.016)	

Engine — Crankshaft

Material			Nodular cast iron
Vibration damper type			Rubber mounted inertia
End thrust taken by bearing (no.)			5
Crankshaft end play			.051-.178 (.002-.007)
Main bearing	Material & type		#1-G66 conecc; #2-4-M400; #5 upper M100; #5 lower-M400
	Clearance		(a)
	Journal dia. and bearing overall length	No. 1	62.202 x 20.37 (2.4489 x .802)
		No. 2	62.194 x 20.37 (2.4486 x .802)
		No. 3	62.194 x 20.37 (2.4486 x .802)
		No. 4	62.194 x 20.37 (2.4486 x .802)
		No. 5	62.189 x 38.94 (2.4484 x 1.533)
		No. 6	--
		No. 7	--
	Dir. & amt. cyl. offset		
	No. bolts/main brg. cap		2
Crankpin journal diameter			53.28-53.33 (2.0978-2.0998)

Engine — Camshaft

Location			In block above crankshaft
Material			Cast alloy iron
Bearings	Material		Steel backed babbitt
	Number		5
Type of drive	Gear, chain or belt		chain
	Crankshaft gear or sprocket material		Sintered iron
	Camshaft gear or sprocket material		Aluminum nylon
	Timing chain	No. of links	46
	Chain or belt	Width	15.87 (.625)
		Pitch	12.7 (.500)

(a) Front - .020-.051 (.0008-.0020)
Intermediate - .028-.058 (.0011-.0023)
Rear - .043-.081 (.0017-.0032)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.3 LITER V6 (262 CID) FUEL INJECTION DIESEL RPO LT6

Engine — Connecting Rods

Material		Steel SAE 1140 Mod.
Mass, g (weight, oz.)		0.8835 Kg (31.17 ozs.)
Length (center to center)		149.441 - 149.543
Bearing	Material & type	M400 steel backed
	Overall length	22.38 (.881)
	Clearance (limits)	0.013 - 0.066 (.0005 - .0026)
	End play	0.210 - 0.545 (.008-.021)

Engine — Crankshaft

Material			Nodular iron
Vibration damper type			None
End thrust taken by bearing (no.)			#3
Crankshaft end play			0.089 - 0.343 (.0035 - .0135)
Main bearing	Material & type		M400 steel backed
	Clearance		
	Journal dia. and bearing overall length	No. 1	76.2 x 24.8 (3.00 x .975)
		No. 2	76.2 x 24.8 (3.00 x .975)
		No. 3	76.2 x 25.7 (3.00 x 1.010)
		No. 4	76.2 x 32.3 (3.00 x 1.270)
		No. 5	--
		No. 6	--
		No. 7	--
	Dir. & amt. cyl. offset		Left bank 32.00 (1.260) ahead of right bank
	No. bolts/main brg. cap		2 per cap
Crankpin journal diameter			57.120-57.145 (2.2488-2.2498)

Engine — Camshaft

Location			Center
Material			Forged steel
Bearings	Material		M100 steel backed
	Number		4
Type of drive	Gear, chain or belt		Chain
	Crankshaft gear or sprocket material		Steel SAE #1117
	Camshaft gear or sprocket material		Cast iron GM 85-M
	Timing chain	No. of links	48
	Chain or belt	Width	14.48 (.570)
		Pitch	12.7 (.500)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year: 1982 Issued: 8-81 Revised (*):

Engine Description/Carb. Engine Code: 5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9

Engine — Connecting Rods

Material		Steel SAE #1140
Mass, g (weight, oz.)		
Length (center to center)		149.54 - 149.44 (5.8875 - 5.8835)
Bearing	Material & type	Moraine 400 Steel backed
	Overall length	20.85 - 21.11 (.821 - .831)
	Clearance (limits)	.013 - .066 (.0005 - .0026)
	End play	.15 - .51 (.006/.020)

Engine — Crankshaft

Material			Nodular Iron
Vibration damper type			Tuned rubber
End thrust taken by bearing (no.)			#3
Crankshaft end play			.089-.343 (.0035-.0135)
Main bearing	Material & type		(1)
	Clearance		
	Journal dia. and bearing overall length	No. 1	76.2 x 24.77 (3.00 x .975)
		No. 2	76.2 x 24.77 (3.00 x .975)
		No. 3	76.2 x 30.33 (3.00 x 1.194)
		No. 4	76.2 x 24.77 (3.00 x .975)
		No. 5	76.2 x 41.25 (3.00 x 1.624)
		No. 6	--
		No. 7	--
	Dir. & amt. cyl. offset		22.83 (left bank .938 ahead of Rt. bank)
	No. bolts/main brg. cap		2 per cap
Crankpin journal diameter			53.945 - 53.970 (2.1238 - 2.1248)

Engine — Camshaft

Location			Center
Material			Forged Steel
Bearings	Material		GM-4167-M or GM-3381-M
	Number		5
Type of drive	Gear, chain or belt		Chain
	Crankshaft gear or sprocket material		SAE #1117 Steel
	Camshaft gear or sprocket material		GM 85-M Cast Iron
	Timing chain	No. of links	48
	Chain or belt	Width	14.48 (.570)
		Pitch	12.7 (.500)

(1) #1,2,3,4,5, upper and #5 lower - Moraine 100, steel backed
#1,2,3,4 lower - Moraine 400, steel backed

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL. CARBURETOR RPO LD5

Engine — Valve System

Hydraulic lifters (std., opt., n.a.)			Standard	
Valve rotator, type (intake, exhaust)			Exhaust	None
Push rods (dia., length, material)			7.9x196.2 (.3125x7.724) (a)	7.94x220.9 (.3125x7.9) (b)
Rocker ratio			1.50:1	
Operating tappet clearance (indicate hot or cold)	Intake		Zero	
	Exhaust		Zero	
Timing (based on top of ramp points)	Intake	Opens (°BTC)	42	16
		Closes (°BTC)	78	63
		Duration (deg.)	300	259
	Exhaust	Opens (°BTC)	78	68
		Closes (°BTC)	52	29
		Duration (deg.)	310	277
	Valve open overlap (deg.)		94	45
Intake valve	Material		SAE-1541 or 1547 (c)	1541 steel, chrome flash stem
	Overall length		124.52-125.03(4.9024-4.9224)	199.33-120.09(4.698-4.728)
	Actual overall head dia.		46.7 (1.84)	43.43 (1.710)
	Angle of seat & face (deg.)		46,45	45
	Seat insert material		None	None
	Stem diameter		8.661-8.679 (.3410-.3417)	8.64-8.66 (.3402-.3412)
	Stem to guide clearance		.025-.069 (.0010-.0027)	.038-.089 (.0015-.0035)
	Lift (at zero lash)		9.07 (.357)	9.09 (.358)
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	338-374 @ 43.2 (76-84 @ 1.70)	262-307 @ 43.86 (59-69 @ 1.727)
		Valve open—N at mm (lb. at in.)	872-916@31.7 (194-206 @ 1.25)	774-845 @ 34 (174-190 @ 1.34)
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	Spring damper	
		Valve open—N at mm (lb. at in.)	Spring damper	
Exhaust valve	Material		21-2N Steel, chrome flash stem	
	Overall length		124.71-125.02 (4.910-4.930)	119.46-120.22 (4.703-4.733)
	Actual overall head dia.		38.1 (1.50)	
	Angle of seat & face (deg.)		46, 45	45
	Seat insert material		None	None
	Stem diameter		8.661-8.679 (.3410-.3417)	8.649-8.666 (.3405-.3412)
	Stem to guide clearance		.025-.069 (.0010-.0027)	.038-.081 (.0015-.0032)
	Lift (at zero lash)		9.91 (.390)	9.30 (.366)
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	338-374 @ 43.2 (76-84 @ 1.70)	262 - 307 @ 43.9 (59-69 @ 1.73)
		Valve open—N at mm (lb. at in.)	872-916@31.7 (194-206@1.25)	774-845@34.0 (174-190@1.34)
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	Spring damper	
		Valve open—N at mm (lb. at in.)	Spring damper	

(a) Welded steel tubing. (b) .060" wall steel tubing.
(c) Chrome flash stem.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0 LITER V8 (305 CID) 4-BBL. CARBURETOR RPO LG4

Engine — Valve System

Hydraulic lifters (std., opt., n.a.)				Standard	
Valve rotator, type (intake, exhaust)				Exhaust	
Push rods (dia., length, material)				7.9x196.2 (.3125x7.724) welded steel tubing	
Rocker ratio				1.50:1	
Operating tappet clearance (indicate hot or cold)	Intake			Zero	
	Exhaust			Zero	
Timing (based on top of ramp points)	Intake	Opens (°BTC)		44	
		Closes (°BTC)		76	
		Duration (deg.)		300	
	Exhaust	Opens (°BTC)		78	
		Closes (°BTC)		52	
		Duration (deg.)		310	
	Valve open overlap (deg.)			96	
Intake valve	Material			SAE-1541 - H Steel	
	Overall length			124.52-125.03 (4.9024-4.9224)	
	Actual overall head dia.			43.7 (1.72)	46.7 (1.84)
	Angle of seat & face (deg.)			46, 45	
	Seat insert material			None	
	Stem diameter			8.661-8.679 (.3410-.3417)	
	Stem to guide clearance			.025-.069 (.0010-.0027)	
	Lift (at zero lash)			9.07 (.357)	
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)		338-374 @ 43.2 (76-84 @ 1.70)	
		Valve open—N at mm (lb. at in.)		863-916 @ 31.75 (194-206 @ 1.25)	
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)		Spring damper	
		Valve open—N at mm (lb. at in.)		Spring damper	
Exhaust valve	Material			21-2N steel, chrome flash stem	
	Overall length			124.71-125.02 (4.910-4.930)	
	Actual overall head dia.			35.1 (1.38)	38.1 (1.50)
	Angle of seat & face (deg.)			46, 45	
	Seat insert material			None	
	Stem diameter			8.661-8.679 (.3410-.3417)	
	Stem to guide clearance			.025-.069 (.0010-.0027)	
	Lift (at zero lash)			9.91 (.3900)	
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)		338-374 @ 43.2 (76-84 @ 1.70)	
		Valve open—N at mm (lb. at in.)		863-916 @ 31.75 (194-206 @ 1.25)	
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)		Spring damper	
		Valve open—N at mm (lb. at in.)		Spring damper	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code

4.3 LITER V6 (262 CID)
FUEL INJECTION DIESEL
RPO LT6

Engine — Valve System

Hydraulic lifters (std., opt., n.a.)			Hydraulic roller lifters - standard
Valve rotator, type (intake, exhaust)			Helical spring & flat washer type (int. & exhaust)
Push rods (dia., length, material)			9.53 (.375) steel balls welded to 7.98 (.314 tubing-196.1
Rocker ratio			1.6:1 (7.72) overall
Operating tappet clearance (indicate hot or cold)	Intake		Zero
	Exhaust		Zero
Timing (based on top of ramp points)	Intake	Opens (°BTC)	16°
		Closes (°BTC)	38°
		Duration (deg.)	234°
	Exhaust	Opens (°BTC)	64°
		Closes (°BTC)	17°
		Duration (deg.)	261°
	Valve open overlap (deg.)		33°
Intake valve	Material		Steel 21-2 (chrome flashed stem)
	Overall length		127.468 (5.018)
	Actual overall head dia.		47.0 (1.850)
	Angle of seat & face (deg.)		45° seat 46° face
	Seat insert material		
	Stem diameter		8.717-8.700 (.3432-.3425)
	Stem to guide clearance		0.025-0.069 (.0010-.0027)
	Lift (at zero lash)		9.53 (.375)
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	378 - 423 @ 42.40 (84.98 - 95.10 @ 1.670)
		Valve open—N at mm (lb. at in.)	810.8 - 869.8 @ 33.02 (182.28 - 195.55 @ 1.300)
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	--
		Valve open—N at mm (lb. at in.)	--
Exhaust valve	Material		Steel 21-2 chrome flashed stem
	Overall length		127.699 (5.0275)
	Actual overall head dia.		41.32 - 41.07 (1.627-1.617)
	Angle of seat & face (deg.)		59° seat 60° face
	Seat insert material		
	Stem diameter		8.705 - 8.687 (.3427 - .3420)
	Stem to guide clearance		0.038 - 0.081 (.0015 - .0032)
	Lift (at zero lash)		9.55 (.375)
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	378 - 423 @ 42.40 (84.98 - 95.10 @ 1.670
		Valve open—N at mm (lb. at in.)	810.8 - 869.8 @ 33.02 (182.28 - 195.55 @ 1.300)
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	--
		Valve open—N at mm (lb. at in.)	--

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code

5.7 LITER V8 (350 CID)
FUEL INJECTION DIESEL
RPO LF9

Engine — Valve System

Hydraulic lifters (std., opt., n.a.)			Standard-Roller Lifter
Valve rotator, type (intake, exhaust)			Helical spring & flat washer type (Intake & exhaust)
Push rods (dia., length, material)			9.525 x 210.00 (.375 diameter x 8.267)
Rocker ratio			1.6:1
Operating tappet clearance (indicate hot or cold)	Intake		Zero
	Exhaust		Zero
Timing (based on top of ramp points)	Intake	Opens (°BTC)	16°
		Closes (°BTC)	38°
		Duration (deg.)	234°
	Exhaust	Opens (°BTC)	64°
		Closes (°BTC)	17°
		Duration (deg.)	261°
	Valve open overlap (deg.)		33°
Intake valve	Material		Steel 21-2 (chrome flashed stem)
	Overall length		127.470 (5.0185)
	Actual overall head dia		47.498 - 47.752 (1.870-1.880)
	Angle of seat & face (deg.)		45° seat; 46° face
	Seat insert material		
	Stem diameter		8.717-8.700 (.34327.3425)
	Stem to guide clearance		.025-.069 (.00107.0027)
	Lift (at zero lash)		9.53 (.375)
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	342.5-369.2 @ 42.42 (77-83 @ 1.670)
		Valve open—N at mm (lb. at in.)	640.5-702.8 @ 33.02 (144-158 @ 1.300)
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	--
		Valve open—N at mm (lb. at in.)	--
Exhaust valve	Material		Steel 21-2 chrome flashed stem
	Overall length		127.699 (5.0275)
	Actual overall head dia		41.32 - 41.07 (1.627/1.617)
	Angle of seat & face (deg.)		59° seat; 60° face
	Seat insert material		--
	Stem diameter		8.705-8.687 (.3427/.3420)
	Stem to guide clearance		.038 - .081 (.0015/.0032)
	Lift (at zero lash)		9.55 (.376)
	Outer spring press. & length	Valve closed—N at mm (lb. at in.)	342.5-369.2 @ 42.42 (77-83 @ 1.670)
		Valve open—N at mm (lb. at in.)	640.5-702.8 @ 33.02 (144-158 @ 1.300)
	Inner spring press. & length	Valve closed—N at mm (lb. at in.)	--
		Valve open—N at mm (lb. at in.)	--

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL CARBURETOR RPO LD5

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Splash
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Splash & Nozzle
	Cylinder walls	Splash
Oil pump type		Gear
Normal oil pressure-kPa(psi) at engine rpm		345-448 (50-65) @ 2000
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part, other)		Full flow
Capacity of c/case, less filter-refill-L (qt)		3.8 (4.0)
Oil grade recommended (SAE viscosity and temperature range)	Minus 6.6°C(20°F) & Above	20W-20, 10W-30, 10W-40, 20W-40, 20W-50,
	Minus 17.7°C to +15.5°C (0 to 60° F)	10W, 5W-30, 10W-40, 10W-30.
	Minus 6.6°C(20°F) & Below	5W-20, 10W-30
Engine service reqmt (SD, SE, etc)		SF

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single w/crossover	
Muffler no & type (reverse flow, straight thru, separate resonator)		One, reverse flow	
Resonator no & type		None	
Exhaust pipe	Branch O.D, wall thickness	50.8 x 1.15 (2.0 x .045)	50.8 x .8 (2.0 x .03)
	Main O.D, wall thickness	57.15 x 1.02 (2.25 x .040)	
	Material	Laminated - stainless steel outer, steel inner.	
Intermediate pipe	O.D. & wall thickness	50.8 x 1.09 (2.0 x .043)	
	Material	Aluminum coated tubing	
Tail pipe	O.D & wall thickness	50.8 x 1.39 (2.0 x .055)	
	Material	Aluminum coated tubing	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0 LITER V8 (305 CID) 4-BBL. CARBURETOR RPO LG4

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure	
	Connecting rods	Pressure	
	Piston pins	Splash	
	Camshaft bearings	Pressure	
	Tappets	Pressure	
	Timing gear or chain	Splash & Nozzle	Centrifugally oiled
	Cylinder walls	Splash	Pressure
Oil pump type		Gear	
Normal oil pressure-kPa (psi) at engine rpm		310 (45)	
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part, other)		Full flow	
Capacity of c/case, less filter-refill-L (qt.)		3.8 (4.0)	
Oil grade recommended (SAE viscosity and temperature range)			
Minus 6.6°C (20°F) & Above		20W-20, 10W-30, 10W-40, 20W-40, 20W-50.	
Minus 17.7°C to +15.5°C (0 to 60°F)		10W, 5W-30, 10W-40, 10W-30.	
Minus 6.6°C (20°F) & Below		5W-20, 10W-30.	
Engine service reqmt. (SD, SE, etc.)		SF	

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single w/crossover	
Muffler no. & type (reverse flow, straight thru, separate resonator)		One, reverse flow	
Resonator no. & type		none	
Exhaust pipe	Branch O.D., wall thickness	50.8 x 1.02 (2.0 x .04)	
	Main O.D., wall thickness	57.15 x 1.8 (2.25 x .07)	
	Material	Laminated - stainless steel outer, steel inner *	
Intermediate pipe	O.D. & wall thickness	50.8 x 1.08 (2.0 x .043)	57.15 X 1.1 (2.25 x .043)
	Material	Laminated steel tubing @	
Tail pipe	O.D. & wall thickness	50.8 x 1.39 (2.0 x .055)	57.15 x 1.39 (2.25 x .055)
	Material	Aluminum coated tubing	

* - Branch - main, stainless steel tubings
@ - Outer tubing aluminum coated for El Camino only.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

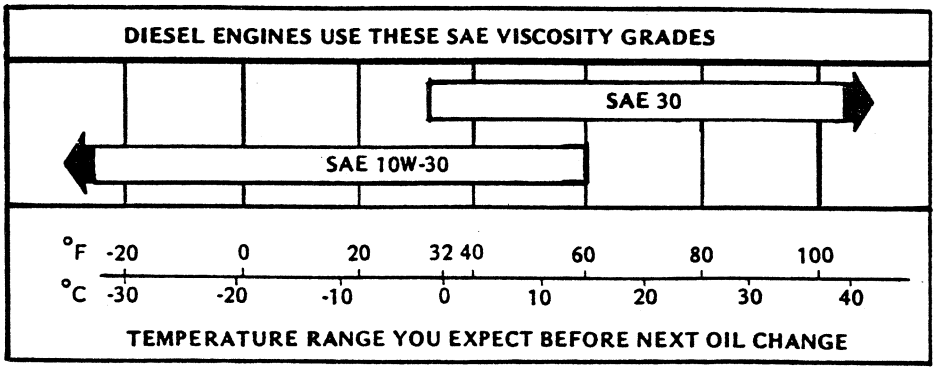
Engine Description/Carb. Engine Code	5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9	4.3 LITER V6 (262 CID) FUEL INJECTION DIESEL RPO LT6

Engine — Lubrication System

Type of lubrication (splash, pressure, nozzle)	Main bearings	Pressure
	Connecting rods	Pressure
	Piston pins	Spray
	Camshaft bearings	Pressure
	Tappets	Pressure
	Timing gear or chain	Spray
	Cylinder walls	Spray
Oil pump type		Gear
Normal oil pressure-kPa(psi) at engine rpm		(30-45 @ 1500 RPM)
Type oil intake (floating, stationary)		Stationary
Oil filter system (full flow, part, other)		Full Flow
Capacity of c/case, less filter-refill-L (qt.)		6.0L (6.5 Quarts)
Oil grade recommended (SAE viscosity and temperature range)		See Below
Engine service reqmt (SD, SE, etc)		SF/CC, SF/CD/ SE/CC

Engine — Exhaust System

Type (single, single with cross-over, dual, other)		Single with cross-over	
Muffler no. & type (reverse flow, straight thru, separate resonator)		Reverse flow	
Resonator no. & type		(1) straight thru	
Exhaust pipe	Branch O.D., wall thickness	Federal / California	LT-6
	Main O.D., wall thickness	57.15x1.4(2.5x.06) / 63.50x1.07(2.5x.04)	57.15x1.09
	Material	Alum.coated steel / Laminated pipe-low carbon steel	
Inter-mediate pipe	O.D. & wall thickness	57.15x1.07(2.5x.04)	50.8x1.09
	Material	Laminated pipe low carbon steel	
Tail pipe	O.D. & wall thickness	44.5 x 1.4 (1.75 x .06)	
	Material	Steel SAE 1009 welded tubing alum. coated	



MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL. CARBURETOR RPO LD5

Engine — Fuel System
(See supplemental page for details of Fuel injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.			Carburetor	
Fuel tank	Refill capacity — L (U.S. gals.)		69.0 (18.1) Sed & Monte Carlo; 69.0 (18.2) S.W.; 67.0 (17.7) El Camino	
	Filler location		Sedan & Monte Carlo-Rear; S.W. & El Camino-LR quarter panel.	
Fuel pump	Type (elec. or mech.)		Mechanical	
	Locations		Lower right front	Lower left front
	Pressure range — kPa (psi)		31-41 (4.5 - 6.0)	29-40 (4.25 - 5.75)
Carburetor	Mfgr. & model		Rochester 17081130, 31	17081198
	Choke type		Electric	
	Intake manifold heat control (exhaust or water)		Exhaust	
	Air cleaner type	Standard	Replaceable paper element, single snorkel	
		Optional	--	
	Idle spd-rpm (spec neutral or drive)	Manual	700	--
		Propane (neu.)		
		Automatic	600	500
		Propane (neu.)		
Idle A/F mix				

Engine — Diesel Information

Glow plug		
Injector nozzle	Type	
	Opening pressure—kPa. (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0 LITER V8 (305 CID) 4-BBL. CARBURETOR RPO LG4

Engine — Fuel System
(See supplemental page for details of Fuel injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.			Carburetor	
Fuel tank	Refill capacity — L (U.S. gals.)		69.0(18.1) Sed & Monte Carlo;69.0 (18.2) S.W.;67.0 (17.7)El Camino	
	Filler location		Sedan & Monte Carlo-Rear; S.W. & El Camino-LR quarter panel.	
Fuel pump	Type (elec. or mech.)		Mechanical	
	Locations		Lower right front	
	Pressure range — kPa (psi)		38.0-48.5 (5.5 - 7.0)	
Carburetor	Mfgr. & model		Rochester 17081138	17081202
	Choke type		Electric	
	Intake manifold heat control (exhaust or water)		Exhaust	
	Air cleaner type	Standard	Replaceable paper & charcoal element, single snorkel	
		Optional	--	
	Idle spd.-rpm (spec. neutral or drive)	Manual		
		Propane (neu.)		
		Automatic	500	
		Propane (neu.)		
Idle A-F mix.				

Engine — Diesel Information

Glow plug		
Injector nozzle	Type	
	Opening pressure—kPa. (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Engine Description/Carb. Engine Code	5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9	4.3 LITER V6 (262 CID) FUEL INJECTION DIESEL RPO LT6

Engine — Fuel System (See supplemental page for details of Fuel injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.			Fuel Injection	
Fuel tank	Refill capacity — L (U.S. gals.)		75.0 (19.8) Coupe/Sedan; 69.0(18.2) Station Wagon	
	Filler location		Rear ctr - coupe/sedan, left rear quarter - wagon	
Fuel pump	Type (elec. or mech.)		Mechanical	Electrical
	Locations		Right Front Engine	Side of engine
	Pressure range — kPa (psi)		37.92 - 44.82 KPA (5.5 - 6.5 PSI)	
Carburetor	Mfgr. & model		--	
	Choke type		--	
	Intake manifold heat control (exhaust or water)		--	
	Air cleaner type	Standard	Oil Wetted Paper Element	
		Optional	--	
	Idle spd.-rpm (spec. neutral or drive)	Manual	--	
		Propane (neu.)	--	
		Automatic	In Drive	
		Propane (neu.)	--	
Idle A/F mix			--	

Engine — Diesel Information

Glow plug Control System		Fast Glow	
Injector nozzle	Type	Poppet	
	Opening pressure—kPa. (psi)	8450 +/- 690 (1225 +/- 100 PSI), V6 see below	
Pre-chamber design		Side Exit	
Fuel injection pump	Manufacturer	Stanadyne	Stanadyne/CAV
	Type	DB2	
Supplementary vacuum source (type)		Mechanical Pump	Electrical
			6900 Kpa */ - 690 (1000 +/ - 10(

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL. CARBURETOR RPO LD5

Engine — Cooling System

Coolant recovery system (std., opt., none)			Standard	
Radiator cap relief valve pressure—kPa(psi)			103.4 (15.0)	
Circulation thermostat	Type (choke, bypass)		Choke	
	Starts to open at °C (°F)		90.6 (195)	
Water pump	Type (centrifugal, other)		Centrifugal	
	GPM 1000 pump rpm			
	Number of pumps		One (1)	
	Drive (V-belt, other)		V-Belt	
	Bearing type		Sealed double row ball	
By-pass recirculation type (inter., ext.)			Internal	External
Radiator core type (cross-flow vertical, cellular, tube and fin, other)			Cross flow, tube & center	
Cooling system capacity	With heater—L(qt.) (*)		14.38 (15.19)	11.75 (12.42)
	Without heater—L(qt.)		Heater standard equipment	
	Opt. equipment-specify—L(qt.) (a)		14.27 (15.08)	11.50 (12.15)
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	38.1 (1.50)	
	Upper	Number and type (molded, straight)	One molded	
		Inside diameter	31.8 (1.25)	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter	--	
Radiator (core)	Standard	Width	528.3 (20.8)	
		Height	431.0 (16.97)	
		Thickness	31.5 (1.24)	
	A/C	Width	528.3 (20.8)	
		Height	431.0 (16.97)	
		Thickness	31.5 (1.24)	
	Heavy duty	Width	528.3 (20.8)	
		Height	431.0 (16.97)	
		Thickness	31.5 (1.24)	
Fan (standard)	Number of blades & type - flex/solid		4, staggered	5, staggered
	Diameter		483 (19.0)	508 (20.0)
	Ratio — fan to crankshaft rev.			
	Fan cutout type		None	Clutch
	Drive type-number of fans		V-Belt-one	
Fan (optional)	No. of blades and spacing		5, staggered	
	Diameter		483 (19.0)	
	Ratio — fan to crankshaft rev.			
	Fan cut-out type		Clutch	
	Drive type-number of fans		V-Belt-one	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO

Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0 LITER V8 (305 CID) 4-BBL. CARBURETOR RPO LG4

Engine — Cooling System

Coolant recovery system (std., opt., none)			Standard	
Radiator cap relief valve pressure—kPa(psi)			103.4 (15.0)	
Circulation thermostat	Type (choke, bypass)		Choke	
	Starts to open at °C (°F)		91 (195)	
Water pump	Type (centrifugal, other)		Centrifugal	
	GPM 1000 pump rpm			
	Number of pumps		One	
	Drive (V-belt, other)		V-Belt	
	Bearing type		Sealed double row ball	
By-pass recirculation type (inter., ext.)			Internal	
Radiator core type (cross-flow vertical, cellular, tube and fin, other)			Cross flow, tube & center	
Cooling system capacity	With heater—L(qt.)		17.86 (18.87)	~~15.68 (16.57)~~
	Without heater—L(qt.)		Heater standard equipment	
	Opt. equipment-specify—L(qt.)		17.10 (18.07)	~~15.62 (16.50)~~
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	38.1 (1.50)	
	Upper	Number and type (molded, straight)	One molded	
		Inside diameter	31.8 (1.25)	
	By-pass	Number and type (molded, straight)	None	
		Inside diameter	--	
Radiator (core)	Standard	Width	668.0 (26.3)	
		Height	429.7 (16.84)	
		Thickness	25.0 (.98)	
	A/C	Width	668.0 (26.3)	
		Height	429.7 (16.84)	
		Thickness	25.0 (.98)	
	Heavy duty	Width	668.0 (26.3)	
		Height	429.7 (16.84)	
		Thickness	25.0 (.98)	
Fan (standard)	Number of blades & type - flex/solid		4, staggered	
	Diameter		483 (19.0)	
	Ratio — fan to crankshaft rev.			
	Fan cutout type		None	
	Drive type-number of fans		V-Belt-one	
Fan (optional)	No. of blades and spacing		5, staggered	
	Diameter		483 (19.0)	
	Ratio — fan to crankshaft rev.			
	Fan cut-out type		Clutch	
	Drive type-number of fans		V-Belt-one	

Engine Description/Carb. Engine Code	4.3 LITER V6 (262 CID) FUEL INJECTION DIESEL RPO LT6	5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9

Engine — Cooling System

Coolant recovery system (std., opt., none)			Standard	
Radiator cap relief valve pressure—kPa(psi)			15 PSI	
Circulation thermostat	Type (choke, bypass)		By-Pass	
	Starts to open at °C (°F)		91°c - 195°F	
Water pump	Type (centrifugal, other)		Centrifugal	
	GPM 1000 pump rpm		22 GPM	
	Number of pumps		1	
	Drive (V-belt, other)		Serpentine	
	Bearing type		Ball	
By-pass recirculation type (inter., ext.)			External	
Radiator core type (cross-flow vertical, cellular, tube and fin, other)			Cross-flow	
Cooling system capacity	With heater—L(qt.)		Not available	
	Without heater—L(qt.)		Not available	
	Opt. equipment-specify—L(qt.)		Not available	
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	38.1 (1.50)	
	Upper	Number and type (molded, straight)	One molded	
		Inside diameter	31.8 (1.25)	
	By-pass	Number and type (molded, straight)	One straight	
		Inside diameter	19.3/17.8 (.76/.70)	
Radiator (core)	Standard	Width	668 (26.3)	
		Height	430 (17.0)	
		Thickness	40.2 (1.58)	
	A/C	Width	668 (26.3)	
		Height	430 (17.0)	
		Thickness	40.2 (1.58)	
	Heavy duty	Width	668 (26.3)	
		Height	430 (17.0)	
		Thickness	40.2 (1.58)	
Fan (standard)	Number of blades & type - flex/solid		5, staggered	
	Diameter		483 (19.0)	
	Ratio — fan to crankshaft rev.		1.40	
	Fan cutout type		Clutch	
	Drive type-number of fans		V-Belt-One	
Fan (optional)	No. of blades and spacing		5, staggered	
	Diameter		483 (19.0)	
	Ratio — fan to crankshaft rev.		1.22	1.40
	Fan cut-out type		Clutch	
	Drive type-number of fans		V-Belt-One	

LT6 - C41 = 13.8L(14.6), C60/C65/V08 = 14.5L(15.3)
LF9 - C41 = 16.5L(17.4), C60/C65/V08 = 16.4L(17.3)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL. CARBURETOR RPO LD5

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection w/Computer Command Control	
	Air Injection Pump	Type		
		Displacement—cm^3(in^3)		
		Drive ratio		
		Drive type		
		Relief valve (type)		
		Filter (describe)		
	Air Injection System	Air distribution (head, manifold, etc.)	Manifold, converter	Exhaust pipe
		Point of entry	Inlet manifold	Exhaust pipe
		Injection tube i.d.	6.65 (.262)	
		Check valve type	Pressure plate system	
		Backfire protection (type)	Diverter valve	
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow	
		Valve type	Vacuum modulated shut-off & metering valve	
		Valve location	Inlet manifold	
		Control energy source	Carburetor vacuum	
		Exhaust source	Manifold exhaust crossover	
		Exhaust cooler type	None	
		Orifice no. and size	One	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold	
	Catalytic Converter System	Catalyst Type	Platinum - Palladium - Rhodium	
		Catalyst Volume—L(in^3)	4.0 (244)(a)	
		Substrate type	Dual bed (b)	
		Container location	Beneath RF underbody	
	Other	Carburetor Hot Air	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emissions.	

(a) Catalysts - Volume LD5 engine 4.261 (260)
(b) Single bed for LD5 engine

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL. CARBURETOR RPQ L39	5.0 LITER V8 (305 CID) 4-BBL. CARBURETOR RPQ LG4

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection w/Computer Command Control
	Air Injection Pump	Type	
		Displacement—cm^3(in^3)	
		Drive ratio	
		Drive type	
		Relief valve (type)	
		Filter (describe)	
	Air Injection System	Air distribution (head, manifold, etc.)	Exhaust pipe
		Point of entry	Exhaust pipe
		Injection tube i.d.	6.65 (.262)
		Check valve type	Pressure plate system
		Backfire protection (type)	Diverter valve
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Controlled flow
		Valve type	Vacuum modulated shut-off & metering valve
		Valve location	Inlet manifold
		Control energy source	Carburetor vacuum
		Exhaust source	Manifold exhaust crossover
		Exhaust cooler type	None
		Orifice no. and size	One
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet manifold
	Catalytic Converter System	Catalyst — Type	Platinum - Palladium - Rhodium
		Catalyst — Volume—L(in^3)	4.1 (250) (a)
		Substrate type	Dual bed (b)
		Container location	Beneath RF underbody
	Other	Carburetor Hot Air	Thermostatically controlled air cleaner regulates and mixes heated air with incoming cold air to reduce hydrocarbon emissions.

(a) Catalyst - Volume LD5 engine 4.261 (260)
(b) Single bed for LD5 engine

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.3 LITER V8 (262 CID) FUEL INJECTION DIESEL RPO LT6	5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LE9

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)			
	Air Injection Pump	Type		
		Displacement—cm^3(in^3)		
		Drive ratio		
		Drive type		
		Relief valve (type)		
		Filter (describe)		
	Air Injection System	Air distribution (head, manifold, etc.)		
		Point of entry		
		Injection tube i.d.		
		Check valve type		
		Backfire protection (type)		
	Exhaust Gas Recirculation System	Type (controlled flow, open orifice, other)	Variable orifice	
		Valve type	Spool	
		Valve location	Air crossover	
		Control energy source	Throttle position	
		Exhaust source	Intake manifold	
		Exhaust cooler type	None	
		Orifice no. and size	None	
		Point of exhaust injection (spacer, carburetor, manifold, other)	Air crossover	
	Catalytic Converter System	Catalyst: Type		
		Catalyst: Volume—L(in^3)		
		Substrate type		
		Container location		
	Other			

Engine Description/Carb. Engine Code	3.8 LITER V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8 LITER V6 (231 CID) 2-BBL. CARBURETOR RPO LD5

Vehicle Emission Control (continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)	Standard	Induction system	
		Optional		
	Control unit	Make and Model	A.C.	
		Location	Inl. man.	Valve rocker cover
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum	
		Control method (variable orifice, fixed orifice, other)	Variable orifice	
	Complete system	Discharges (to intake manifold, other)	Inlet manifold	
		Air inlet (breather cap, other)	Carburetor air cleaner	
		Flame arrestor (screen, other)	Screen	
Evaporative Emission Control	Fuel tank	Thermal expansion volume—dm^3 (ft^3)	Approx. 10% of refill capacity	
		Relief pressure kPa (psi) and location		
		Vacuum relief kPa (psi) and location		
		Vapor-liquid separator type	Integral with fuel tank	
		Vapor vented to (crankcase, canister, other)	Canister	
	Carburetor	Vapor vented to (crankcase, canister, other)	Canister	
	Vapor storage	Storage provision (crankcase, canister, other)	Canister	
		Volume—dm^3 (ft^3) or capacity (grams)	Approx. 50 grams storage capacity	
		Control valve type	Controlled by orifice, carburetor throttle body and throttle blade position	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE-CARLO - MALIBU CLASSIC - EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4 LITER V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0 LITER V8 (305 CID) 4-BBL. CARBURETOR RPO LG4

Vehicle Emission Control (continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)	Standard / Optional	Induction system	
	Control unit	Make and Model	A.C.	
		Location	Inl. man.	Valve rocker cover
		Energy source (manifold vacuum, carburetor, other)	Manifold vacuum	
		Control method (variable orifice, fixed orifice, other)	Variable orifice	
	Complete system	Discharges (to intake manifold, other)	Inlet manifold	
		Air inlet (breather cap, other)	Carburetor air cleaner	
		Flame arrestor (screen, other)	Screen	
Evaporative Emission Control	Fuel tank	Thermal expansion volume—$dm^3(ft^3)$	Approx. 10% of refill capacity	
		Relief pressure kPa (psi) and location		
		Vacuum relief kPa (psi) and location		
		Vapor-liquid separator type	Integral with fuel tank	
		Vapor vented to (crankcase, canister, other)	Canister	
	Carbu-retor	Vapor vented to (crankcase, canister, other)	Canister	
	Vapor storage	Storage provision (crankcase, canister, other)	Canister	
		Volume—$dm^3(ft^3)$ or capacity (grams)	Approx. 50 grams storage capacity	
		Control valve type	Controlled by orifice, carburetor throttle body and throttle blade position	

Engine Description/Carb. Engine Code	4.3 LITER V6 (262 CID) FUEL INJECTION DIESEL RPO LT6	5.7 LITER V8 (350 CID) FUEL INJECTION DIESEL RPO LF9

Vehicle Emission Control (continued)

Crankcase Emission Control	Type (ventilates to atmos., induction system, other)		Standard	Positive crankcase ventilation (induction)
			Optional	-
	Control unit	Make and Model		AC/ crankcse depression regulator valve
		Location		RH valve cover | LH rear of intake
		Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
		Control method (variable orifice, fixed orifice, other)		Variable Orifice
	Complete system	Discharges (to intake manifold, other)		Intake Manifold
		Air inlet (breather cap, other)		Breather Cap
		Flame arrestor (screen, other)		-
Evaporative Emission Control	Fuel tank	Thermal expansion volume—dm^3 (ft^3)		
		Relief pressure kPa (psi) and location		
		Vacuum relief kPa (psi) and location		
		Vapor-liquid separator type		
		Vapor vented to (crankcase, canister, other)		
	Carbu-retor	Vapor vented to (crankcase, canister, other)		
	Vapor storage	Storage provision (crankcase, canister, other)		
		Volume—dm^3 (ft^3) or capacity (grams)		
		Control valve type		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year: 1982 Issued: 8-81 Revised (•): 10-81

Engine Description/Carb. Engine Code	3.8L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8L V6 (231 CID) 2-BBL. CARBURETOR RPO LD5	4.3L V6 (262 CID) FUEL INJ DIESEL RPO LT6

Electrical — Supply System

Battery	Make and model		Delco "Freedom II"		
	Voltage rtg.—V—& total plates		12 Volt		
	SAE designation no. and/or capacity		80 minute reserve capacity	75 minute reserve capacity	115 minute reserve capacity (2 required)
	Location		Engine compartment, right front		
Generator or alternator	Make		Delco Remy		
	Model		1103161	1100110	1100165
	Type and rating		37	42	63
	Output at engine idle (neutral) A				
	Ratio—gen. to cris rev.		2.73:1		
Regulator	Make		Delco Remy		
	Model		Integral with alternator		
	Type		Micro circuit unit; integral with distributor		
	Regulated	Voltage	--		
		Current A	--		
	Voltage test conditions	Temperature—°C (°F)	--		
		Load A	--		
		Other	Tested with alternator		

Electrical — Starting System

Starting motor	Make			Delco Remy		
	Model			1109524		1998552
Motor drive	Engagement type			Positive shift solenoid		
	Pinion engages from (front, rear)			Rear	Front	Front
	Number of teeth	Pinion		9		10
		Flywheel	Manual	153		Not available
			Auto	153	160	135

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year: 1982 Issued: 8-81 Revised (•): 10-81

Engine Description/Carb. Engine Code	4.4L V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0L (305 CID) 4-BBL. CARBURETOR RPO LG4	5.7L V8 (350 CID) FUEL INJ. DIESEL RPO LF9

Electrical — Supply System

Battery	Make and model	Delco "Freedom II"		
	Voltage rtg.—V—& total plates	12 Volt		
	SAE designation no. and/or capacity	75 minute reserve capacity		115 minutes reserve capacity (2 required)
	Location	Engine compartment, right front		
Generator or alternator	Make	Delco Remy		
	Model	1103162	1103162	1100111
	Type and rating	37	37	63
	Output at engine idle (neutral) A			
	Ratio—gen. to cris rev.	2.73:1		
Regulator	Make	Delco Remy		
	Model	Integral with alternator		
	Type	Micro circuit unit; integral with distributor		
	Regulated: Voltage	--		
	Regulated: Current A	--		
	Voltage test conditions: Temperature—°C (°F)	--		
	Voltage test conditions: Load A	--		
	Voltage test conditions: Other	Tested with alternator		

Electrical — Starting System

Starting motor	Make			Delco Remy	
	Model			1109064	1998552
Motor drive	Engagement type			Positive shift solenoid	
	Pinion engages from (front, rear)			Rear	Front
	Number of teeth: Pinion			9	10
	Number of teeth: Flywheel		Manual	168	Not available
			Auto	168	135

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Engine Description/Carb. Engine Code	3.8L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8L V6 (231 CID) 2-BBL. CARBURETOR RPO LD5	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT6

Electrical — Ignition System

Type	Conventional—std., opt., n.a.		--
	Transistorized—std., opt., n.a.		--
	Other (specify)		High Energy Ignition (HEI)
Coil	Make		Delco Remy
	Model		Integral with distributor
	Current	Engine stopped — A	--
		Engine idling — A	--
Spark plug	Make		AC
	Model		R45TS
	Thread (mm)		14
	Tightening torque—N-m (lb. ft.)		20 (15)
	Gap		1.143 (.045)

Electrical — Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.

Electrical — Instruments and Equipment

Speed-ometer	Type	Circular dial with pointer
	Trip odometer (std., opt., n.a.)	Not available
EGR maintenance indicator		Not available
Charge indicator	Type	Tell-tale
	Warning device	Not available
Temperature indicator	Type	Tell-tale
	Warning device	Not available
Oil pressure indicator	Type	Tell-tale
	Warning device	Not available
Fuel indicator	Type	Electric gauge
	Warning device	Not available
Wind-shield wiper	Type — standard	Electric two-speed
	Type — optional	Intermittent windshield wiper system
	Blade length	457 (18.0)
	Swept area — $cm^2(in.^2)$	Monte Carlo & El Camino 6000 (930.3) *
Wind-shield washer	Type — standard	Push Button
	Type — optional	Not available
	Fluid level indicator	Not available
Horn	Type	Vibrator
	Number used	Dual
Other		Restraint system warning light and buzzer Parking brake and brake failure warning light Optional pkg, includes tachometer, voltmeter, oil pressure and coolant temperature gauges.

* Sedan & Wgn 5931 (919.5)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year: 1982 Issued: 8-81 Revised (•): 10-81

Engine Description/Carb. Engine Code	4.4L V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL. CARBURETOR RPO LG4	5.7L V8 (350 CID) FUEL INJ. DIESEL RPO LF9

Electrical — Ignition System

Type	Conventional—std., opt., n.a.		--
	Transistorized—std., opt., n.a.		--
	Other (specify)		High Energy Ignition (HEI)
Coil	Make		Delco Remy
	Model		Integral with distributor
	Current	Engine stopped — A	--
		Engine idling — A	--
Spark plug	Make		AC
	Model		R45TS
	Thread (mm)		14
	Tightening torque—N-m (lb. ft.)		20 (15)
	Gap		1.143 (.045)

Electrical — Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.

Electrical — Instruments and Equipment

Speed-ometer	Type	Circular dial with pointer
	Trip odometer (std., opt., n.a.)	Not available
EGR maintenance indicator		Not available
Charge indicator	Type	Tell-Tale
	Warning device	Not available
Temperature indicator	Type	Tell-tale
	Warning device	Not available
Oil pressure indicator	Type	Tell-Tale
	Warning device	Not available
Fuel indicator	Type	Electric gauge
	Warning device	Not available
Wind-shield wiper	Type — standard	Electric two-speed
	Type — optional	Intermittent windshield wiper system
	Blade length	457 (18.0)
	Swept area — cm^2($in.^2$)	Monte Carlo & El Camino 6000 (930.3)*
Wind-shield washer	Type — standard	Push Button
	Type — optional	Not available
	Fluid level indicator	Not available
Horn	Type	Vibrator
	Number used	Dual
Other		Restraint system warning light and buzzer Parking brake and brake failure warning light. optional pkg, includes tachometer, voltmeter, oil pressure and coolant temperature gauges.

* Sedan & Wgn 5931 (919.5)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Engine Description/Carb. Engine Code	3.8L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8L V6 (231 CID) 2-BBL CARBURETOR RPO LD5	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT6

Drive Units — Clutch (Manual Transmission)

Make & type		
Type pressure plate springs		NOT
Total spring load—N (lb.)		APPLICABLE
No. of clutch driven discs		
Clutch facing	Material	
	Manufacturer	
	Part number	
	Rivets/plate	
	Rivet size	
	Outside & inside dia.	
	Total eff. area-cm^2($in.^2$)	
	Thickness	
	Engagement cushion method	
Release bearing	Type & method of lubrication	
Torsional damping	Method: springs, friction material	

Drive Units — Transmissions

Manual 3-speed (std., opt., n.a.)	Not available
Manual 4-speed (std., opt., n.a.)	Not available
Manual 5-speed (std., opt., n.a.)	Not available
Manual overdrive (std., opt., n.a.)	Not available
Automatic (std., opt., n.a.)	Standard
Automatic overdrive (std., opt., n.a.)	Not available

Drive Units — Manual Transmission

Number of forward speeds			
Transmission ratios	In first		NOT
	In second		AVAILABLE
	In third		
	In fourth		
	In fifth		
	In overdrive		
	In reverse		
Synchronous meshing, specify gears			
Shift lever location			
Lubricant	Capacity—L (pt.)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line: MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year: 1982 Issued: 8-81 Revised (*): 10-1981

Engine Description/Carb. Engine Code	4.4L V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL. CARBURETOR RPO LG4	5.7L V8 (350 CID) FUEL INJ. DIESEL RPO LF9

Drive Units — Clutch (Manual Transmission)

Make & type		
Type pressure plate springs		NOT
Total spring load—N (lb.)		APPLICABLE
No. of clutch driven discs		
Clutch facing	Material	
	Manufacturer	
	Part number	
	Rivets/plate	
	Rivet size	
	Outside & inside dia.	
	Total eff. area-cm^2($in.^2$)	
	Thickness	
	Engagement cushion method	
Release bearing	Type & method of lubrication	
Torsional damping	Method: springs, friction material	

Drive Units — Transmissions

Manual 3-speed (std., opt., n.a.)	Not available
Manual 4-speed (std., opt., n.a.)	Not available
Manual 5-speed (std., opt., n.a.)	Not available
Manual overdrive (std., opt., n.a.)	Not available
Automatic (std., opt., n.a.)	Standard
Automatic overdrive (std., opt., n.a.)	Not available

Drive Units — Manual Transmission

Number of forward speeds			
Transmission ratios	In first		NOT
	In second		AVAILABLE
	In third		
	In fourth		
	In fifth		
	In overdrive		
	In reverse		
Synchronous meshing, specify gears			
Shift lever location			
Lubricant	Capacity—L (pt.)		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) _____

Engine Description/Carb. Engine Code	3.8L V6 (229 CID) 2-BBL. CARBURETOR RPO LC3	3.8L V6 (231 CID) 2-BBL. CARBURETOR RPO LD5	4.3L V6 (262 CID) FUEL INJ. DIESEL RPO LT6

Drive Units — Automatic Transmission (See "Power Teams" for transmission usage)

Trade name		3-Speed Automatic		
Type (describe)		Torque converter with planetary gears '250c'	'350c'	'200c'
Selector	Location	Standard-steering column		
	Ltr./No. designation	P-R-N-D-2-1		
Gear ratios	R	1.93		2.07
	D	1.00		1.00
	L_3	1.52		1.57
	L_2	2.52		2.74
	L_1	--		
Max. upshift speed—drive range—km/h (mph)		--		
Max. kickdown speed-drive range—km/h (mph)		--		
Min. overdrive speed—km/h (mph)		--		
Torque converter	Number of elements	3		
	Max. ratio at stall	2.0		2.2
	Type of cooling (air, liquid)	Liquid		
	Nominal diameter	298 (11.75)		
Lubricant	Capacity—refill—L (pt.)	2.8 (6.0)		
	Type recommended	Dexron II		
Special transmission features		Torque converter clutch, 3rd gear lock-up		

Drive Units — Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-floating axle, overhung hypoid drive pinion and ring gear.
Limited slip differential, type			Disc Clutch
Drive pinion offset			38.1 (1.50)
Drive pinion type			Hypoid gear
No. of differential pinions			Two
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible sleeve
Driving wheel bearing type			Direct or single row cylindrical
Lubricant	Capacity—L (pt.)		1.6 (3.5)
	Type recommended		GL5 gear lubricant
	SAE viscosity number	Summer	80W or 80W-90
		Winter	80W or 80W-90
		Extreme cold	80W or 80W-90

Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)

Axle ratio or overall ratio		2.41	2.73
No. of teeth	Pinion	17	15
	Ring gear or gear	41	41
Ring gear O.D. -mm (in)		191 (7.5)	191 (7.5)
Transaxle	Transfer gear ratio	--	--
	Final drive ratio	--	--

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4L V8 (267 CID) 2-BBL. CARBURETOR RPO L39	5.0L V8 (305 CID) 4-BBL. CARBURETOR RPO LG4	5.7L V8 (350 CID) FUEL INJ. DIESEL RPO LF9

Drive Units — Automatic Transmission

Trade name		3-Speed Automatic
Type (describe)		Torque converter with planetary gears '250c' | '350c'
Selector	Location	Standard-steering column
	Ltr./No. designation	P-R-N-D-2-1
Gear ratios	R	1.93
	D	1.00
	L_3	1.52
	L_2	2.52
	L_1	--
Max. upshift speed—drive range—km/h (mph)		--
Max. kickdown speed-drive range—km/h (mph)		--
Min. overdrive speed—km/h (mph)		--
Torque converter	Number of elements	3
	Max. ratio at stall	2.0
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity—refill—L (pt.)	2.8 (6.0)
	Type recommended	Dexron II
Special transmission features		Torque converter clutch, 3rd gear lock-up

Drive Units — Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-floating axle, overhung hypoid drive pinion and ring gear.
Limited slip differential, type			Disc Clutch
Drive pinion offset			38.1 (1.50)
Drive pinion type			Hypoid gear
No. of differential pinions			Two
Pinion adjustment (shim, other)			Shim
Pinion bearing adj. (shim, other)			Collapsible sleeve
Driving wheel bearing type			Direct or single row cylindrical
Lubricant	Capacity—L (pt.)		1.6 (3.5)
	Type recommended		GL5 gear lubricant
	SAE viscosity number	Summer	80W or 80W-90
		Winter	80W or 80W-90
		Extreme cold	80W or 80W-90

Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage.)

Axle ratio or overall ratio		2.29	2.41	2.56	2.73
No. of teeth	Pinion	21	17	16	15
	Ring gear or gear	48	41	41	41
Ring gear O.D. -mm (in)		191 (7.50)	191 (7.5)	191 (7.5)	191 (7.5)
Transaxle	Transfer gear ratio	--	--	--	--
	Final drive ratio	--	--	--	--

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	3.8 L V6 (229 CID) 2-BBL CARBURETOR RPO LC3	3.8 L V6 (231 CID) 2-BBL CARBURETOR RPO LD5	4.3 LV6 (262 CID) FUEL INJECTION DIE RPO LT6

Drive Units — Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight tube
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.		Not available
	Manual 4-speed trans.		Not available
	Manual 5-speed trans.		Not available
	Overdrive		Not available
	Automatic transmission		Monte Carlo, sedan & wagon 63.5x1331.5x1.65 (2.5x52.4x.065) El Camino 82.6x1560.1x1.65 (3.25x61.4x.065)
Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting prepack)		--
Slip yoke	Type		Yoke
	Number of teeth		27
	Spline o.d.		--
Universal joints	Make and mfg. no.	Front	Saginaw 44
		Rear	--
	Number used		Two
	Type (ball and trunnion, cross)		Single Cardan
	Rear attach (u-bolt, clamp, etc.)		Strap & Bolt
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepacked
Drive taken through (torque tube or arms, springs)			Control arms
Torque taken through (torque tube or arms, springs)			Control arms

* Centerline to centerline of universal joints, or to centerline of rear attachment.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	4.4 L V8 (267 CID) 2-BBL CARBURETOR RPO L39	5.0 L V8 (305 CID) 4-BBL CARBURETOR RPO LG4	5.7 L V8 (350 CID) FUEL INJECTION DIESEL RPO LF9

Drive Units — Propeller Shaft — Conventional Drive

Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight tube
Outer diam. x length* x wall thick-ness	Manual 3-speed trans.		Not available
	Manual 4-speed trans.		Not available
	Manual 5-speed trans.		Not available
	Overdrive		Not available
	Automatic transmission		Monte Carlo, sedan & wagon 63.5x133l.5x1.65 (2.5x52.4x.065) El Camino-82.6x1560.1x1.65 (3.25x61.4x.065)
Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting prepack)		--
Slip yoke	Type		Yoke
	Number of teeth		27
	Spline o.d.		--
Universal joints	Make and mfg. no	Front	Saginaw 44
		Rear	--
	Number used		Two
	Type (ball and trunnion, cross)		Single cardan
	Rear attach (u-bolt, clamp, etc.)		Strap & Bolt
	Bearing	Type (plain, anti-friction)	Anti-friction
		Lubric. (fitting, prepack)	Prepacked
Drive taken through (torque tube or arms, springs)			Control arms
Torque taken through (torque tube or arms, springs)			Control arms

* Centerline to centerline of universal joints, or to centerline of rear attachment.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Engine Description/Carb. Engine Code	MONTE CARLO COUPE	MALIBU CLASSIC SEDAN

Drive Units — Tires And Wheels (Standard)

Tires	Size, load range, ply		P195/75R-14 (BW & WW) @	P185/75R-14 (BW & WW)
	Type (bias, radial, etc.)		Steel belted radial	Glass belted radial
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	240 (35)	
		Rear-kPa (psi)	240 (35)	
	Rev./mile—at 70 km/h (45 mph)		508 (817)	520 (837)
Wheels	Type & material		Short spoke disc, steel	
	Rim (size & flange type)		14 x 6	
	Wheel offset		Zero	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	120.7 (4.75)	
		Number & size	5 hex nuts - 7/16-20	
Spare tire and wheel (same or other)			15 x 4, 2.5 mm (1.0 in) offset) exc. limited slip differential	

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P205/70R14 (BW & WW +	P195/75R-14 (WW)
Type (bias, radial, etc.)	Steel belted radial	Steel belted radial
Wheel type & material	Rally type (RPO ZJ7)	Rally type, steel
Rim (size, flange type, and offset)	14 x 6 - Zero	14 x 6 - Zero
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material	Cast aluminum	
Rim (size, flange type, and offset)	14 x 6.5, - 6.35 mm (-0.25 in)	
Size, load range, ply		*P205/70R14 (WW, WL)
Type (bias, radial, etc.)		Steel belted radial
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)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel)	Wheel-with limited slip differential-16 x 4 12 mm (0.50 in) offset. Tire-without limited slip differential T125/70D-15; with limited slip differential - P145/80D-16.	

Brakes — Parking

Type of control		Foot pedal - application; 'T' handle - release
Location of control		Under instrument panel, left of steering column
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

@ - Not available with sport suspension, RPO F41.
+ - Requires sport suspension, RPO F41.
* - Required with RPO F41 sport suspension.

Engine Description/Carb. Engine Code	MALIBU CLASSIC STATION WAGON	EL CAMINO SEDAN PICK-UP

Drive Units — Tires And Wheels (Standard)

Tires	Size, load range, ply		P195/75R-14 (BW & WW)	P205/75R-14 (BW, WW, WL)
	Type (bias, radial, etc.)		Glass belted radial	Steel belted radial
	Inflation pressure (cold) for recommended max. vehicle load	Front-kPa (psi)	205 (30)	
		Rear-kPa (psi)	240 (35)	
	Rev./mile—at 70 km/h (45 mph)		508 (817)	495 (797)
Wheels	Type & material		Short spoke disc, steel	
	Rim (size & flange type)		14 x 6	
	Wheel offset		Zero	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	120.7 (4.75)	
		Number & size	5 hex nuts - 7/16 - 20	
Spare tire and wheel (same or other)			15 x 4 25 mm (1.0 in) offset exc. with limited slip differential - Tire T125/70D-15, Station wagon. (*)	

*El Camino, spare tire P205/75R-14x6 wheel. Offset-zero.

Drive Units — Tires And Wheels (Optional)

Size, load range, ply	P195/75R-14 (WW)	P205/75R-14 (BW, WW, WL)
Type (bias, radial, etc.)	Steel belted radial	Steel belted radial
Wheel type & material	Rally type steel	Rally type steel
Rim (size, flange type, and offset)	14 x 6 - zero	14 x 6 - zero
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)		
Size, load range, ply		
Type (bias, radial, etc.)		
Wheel type & material		
Rim (size, flange type, and offset)		
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel)	Station wagon, wheel-with limited slip differential - 16x4, 12mm (0.50 in) offset. Tire-without limited slip differential T125/70D-15; with limited slip differential - P145/80D-16.	

Brakes — Parking

Type of control		Foot pedal - application, "T" handle - release
Location of control		Under instrument panel, left of steering column
Operates on		Rear service brake
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Body Type And/Or Engine Displacement	MONTE CARLO 2-DOOR COUPE	MALIBU 4-DOOR SEDAN	MALIBU STATION WAGON	EL CAMINO SEDAN PICK-UP

Brakes – Service

Brake type (std., opt., n.a.)	Drum	Front		Not available
		Rear		Standard
	Disc	Front		Standard
		Rear		Not available
Self-adjusting (std., opt., n.a.)				Standard
Special valving	Type (proportion, delay, metering, other)			Metering & proportioning
Power brake (std., opt., n.a.)				Standard
Booster type (remote, integral, vac., hyd., etc.)				Integral
Anti-skid device type (std., opt., n.a.)				Not available
Effective area—$cm^2(in.^2)$•				615.5 (95.42)
Gross lining area—$cm^2(in.^2)$••				691.6 (107.22)
Swept area—$cm^2(in.^2)$•••				1985.1 (307.7)
Rotor	Outer working diameter		F	266.7 (10.5)
			R	--
	Inner working diameter		F	171.5 (6.75)
			R	--
	Thickness		F	26.2 (1.03)
			R	--
	Material & type (vented/solid)		F	Cast iron, vented
			R	--
Drum	Diameter (nominal)		F	--
			R	241 (9.5)
	Type and material			Cast iron, finned
Wheel cylinder bore	Front			63.5 (2.50)
	Rear			19.1 (0.75)
Master cylinder	Bore			24.0 x 31.8 (0.94 x 1.25)
	Stroke			37.05 (1.46)
Pedal arc ratio				3.5:1
Line pressure at 445 N (100 lb.) pedal load—kPa (psi)				--
Lining clearance per shoe	Front			Self adjusting
	Rear			Self adjusting
Brake lining	Front wheel	Bonded or riveted, rivets/seg.		Riveted 8
		Rivet size		5.33 x 7.92 (.210 x .312)
		Manufacturer		Delco moraine
		Lining code		--
		Material		Molded asbestos
		••••	Primary or out-board	125 x 48.4 x 11.04 (4.92 x 1.91 x .435)
		Size	Secondary or in-board	125 x 48.4 x 11.04 (4.92 x 1.91 x .435)
		Shoe thickness (no lining)		Inboard-15.84 (.620); Outboard-13.97 (.550)
	Rear wheel	Bonded or riveted, rivets/seg.		Riveted - 10 primary, 12 secondary
		Manufacturer		Delco Moraine
		Lining code		--
		Material		Molded asbestos
		••••	Primary or out-board	192.5 x 50.8 x 4.98 (7.58 x 2.0 x 0.196)
		Size	Secondary or in-board	249.6 x 50.8 x 6.75 (9.83 x 2.0 x 0.266)
		Shoe thickness (no lining)		9.7 (0.380)

• 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 Worki Dia. minus Square of Inner Working Dia. multiplied by Pi/2 for each brake.)
•••• Size for drum brakes includes length x thickness.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Steering

				COUPE & SEDAN W/V-6 ENGINE	WAGON&PICKUP W/V-6 ENGINE	COUPE & SEDAN W/V-8 ENGINE	WAGON & PICKUP W/V-8 ENGINE
Manual (std., opt., n.a.)				Not available			
Power (std., opt., n.a.)				Standard			
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt-universally jointed steering shaft at base of steering wheel - 6 positions			
		(Std., opt., n.a.)		Optional			
Wheel diameter		Manual		Not available			
		Power		387 (15.25)			
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)		12.2 (40.0)			13.0 (42.6)
		Curb to curb (l. & r.)		11.3 (37.1)			12.2 (40.0)
	Inside rear	Wall to wall (l. & r.)		--			
		Curb to curb (l. & r.)		--			
				--			
Manual	Gear	Type		NOT			
		Make		--			
		Ratios	Gear	AVAILABLE			
			Overall	--			
	No. wheel turns (stop to stop)			--			
Power	Type (coaxial, linkage, etc.)			Integral gear with power piston & vane type pump			
	Make			Saginaw steering gear			
	Gear	Type		Semi-reversible recirculating ball nut			
		Ratios	Gear	15:1	15:1	16/13:1	15/13:1
			Overall	16.5:1	17.5:1	17.6:1	16.4:1
	Pump driven by			'V' Belt			
	No. wheel turns (stop to stop)			3.3			3.2
Linkage	Type			Parallelogram			
	Location (front or rear of wheels, other)			Front			
	Drag links (trans. or longit.)			None			
	Tie rods (one or two)			Two			
Steering axis	Inclination at camber (deg.)			7.86			
	Bearings (type)	Upper		Ball stud			
		Lower		Ball stud			
		Thrust		None			
Steering spindle & joint type				Forging with pad for mounting brake cylinder spherical			
Wheel spindle	Diameter	Inner bearing		31.7 (1.25)			
		Outer bearing		21.0471-21.4274 (01.83-0.84)			
	Thread size			3/4-20 UNEF-3A (modified)			
	Bearing type			Tapered roller			
Wheel align at curb mass (wt.)	Service checking	Caster (deg.)		+2° to +4°			
		Camber (deg.)		-0.3° to + 1.3°			
		Toe-in [outside track-mm (in.)]		1.587 to 6.350 (1/16 to 1/4)			
	Service reset	Caster		+3° ± 0.5°			
		Camber		+0.5° ± 0.5°			
		Toe-in		+3.175 ± 1.587 (+1/8 ± 1/16)			
	Periodic M.V. inspection	Caster		+1° to ±5			
		Camber		-1.0° to +2.0°			
		Toe-in		+3.175 to ± 1.587 (+1/8 ± 1/16)			

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Body Type And/Or Engine Displacement	MONTE CARLO-MALIBU 2 DOOR -4 DOOR COUPE -SEDAN	MALIBU STATION WAGON	EL CAMINO SEDAN PICK-UP

Suspension — General

Car leveling	Std./opt./n.a.	N.A.	Standard (Rear only)
	Type (air, hyd., etc.)	--	Air
	Manual/auto. controlled	--	Manual
Provision for brake dip control		Front suspension geometry	
Provision for acc. squat control		Rear suspension geometry	
Special provisions for car jacking		Side lift frame body bolt access holes on each side of frame at #2 & #4 body mounting - access holes	
Shock absorber front & rear	Type	Direct double acting, hydraulic	
	Make	Delco	
	Piston dia	25 (1.0)	
Other special features		--	

Suspension — Front

Type and description		Independent SLA		
Travel	Full jounce	90 (3.54)		
	Full rebound	92 (3.62)		
Spring	Type (coil, leaf, other)	Coil		
	Material	Steel alloy		
	Size (coil design height & i.d., bar length x dia.)	260x102.9x2953 x15.6	260x102.9x2548 x15.6	260x102.9x2733 x16.0
	Spring rate—N/mm (lb./in.)	52.5 (300)	64 (365)	
	Rate at wheel—N/mm (lb./in.)	15.6 (89)	18.6 (106)	
Stabilizer	Type (link, linkless, frameless)	Link		
	Material & bar diameter	Steel-25 (0.98) RPO F41-32 (1.26)	V6-27 (1.06) V8-28 (1.10)	Less RPO F41-27 (1.06 With RPO F41-28(1.10)

Suspension — Rear

Type and description		Salisbury, 4-Link		
Drive and torque taken through		Control arms		
Travel	Full jounce	107 (4.21)		
	Full rebound	113 (4.45)		
Spring	Type (coil, leaf, other)	Coil		
	Material	Steel alloy		
	Size (length x width, coil design height & i.d., bar length & dia.)	254x139.7x2428 X12.8	254x139.7x2535 x14.5	254x139.7x2398 x13.5
	Spring rate—N/mm (lb./in.)	17.5 (100)	24.5 (140)	21.9 (125)
	Rate at wheel—N/mm (lb./in.)	17.9 (102)	23.4 (133.6)	21.3 (121)
	Mounting insulation type	--		
	If leaf: No. of leaves	--		
	If leaf: Shackle (comp. or tens.)	--		
Stabilizer	Type (link, linkless, frameless)	Link-included W/RPO F41 sport suspension (a)		
	Material & bar diameter	--		
Track bar type		--		

(a) Not available with station wagon, sedan, El Camino P185 or P195-75 tires.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Body Type	MONTE CARLO 2-DOOR COUPE	MALIBU 4-DOOR SEDAN	MALIBU STATION WAGON	EL CAMINO SEDAN PICK-UP

Body — Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic lacquer
Hood hinge location (front, rear)		Rear
Hood counterbalance (type)		Flat plate coil spring, hold open linkage
Hood release control (internal, external)		Internal
Vehicle ident. no. location		Top left of instrument panel pad
		--
Vent window control method (crank, friction pivot, power)	Front	None
	Rear	Pivot type for sedans and wagons - power optional
Seat cushion type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd seat	--
Seat back type	Front	Formed full foam pad
	Rear	Formed full foam pad
	3rd seat	--
Method of holding luggage compart lid open		Boxed hinges with torsion rod
Position of spare tire storage		Sedan & coupe - semi-vertical right rear trunk area
		Station wagons - horizontal, under rear load floor
		El Camino - horizontal, behind passenger seat.

Passive Restraint System

Inflatable restraint system	Standard/ optional	Not available
	Type of charging system	--
	Location (stg. whl., instru. panel, other)	--
Passive seat belts	Standard/ optional	Not available
	Power/ manual	--
	2 or 3 point	--
	Knee bar/ lap belt	--

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Full frame, perimeter type

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Body Type	2-DOOR COUPE	4-DOOR SEDAN	STATION WAGON	SEDAN PICK-UP

Convenience Equipment

Power windows	Side windows	Optional
	Vent windows	Rear vent windows for sedan and wagon - optional
	Backlight or tailgate	Optional
Power seats (specify type as well as availability)		Optional - 6-way power bench seat 6-way 55/45 power bench seat, power drivers seat only
Reclining front seat back (r-l or both)		Not available
Radio (specify type as well as availability)		Optional-AM-push-button, AM/FM push-button, AM/FM Stereo AM/FM stereo w/8-track tape, AM/FM stereo w/cassette tape (a)
Rear seat speaker		Optional, not available with El Camino
Power antenna		Optional
Clock		Standard Monte Carlo - optional other models
Air conditioner (specify type)		Optional - "Four Season" manual control
Speed warning device		Not available
Speed control device		Optional with automatic transmission
Ignition lock lamp		Not available
Dome lamp		Standard
Glove compartment lamp		Standard
Luggage compartment lamp		Optional
Underhood lamp		Optional
Courtesy lamp		Standard
Map lamp		Not available
Cornering lamp		Not available
Rear window defroster electrically heated		Optional - not available with El Camino
Rear window defogger		
Theft protection—type		Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.
Ash tray lamp		Standard

(a) - Stereo equipment includes 2 front and 2 rear speakers.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Vehicle Mass (weight)

Model	CURB MASS, kg. (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg. (weight, lb.)**
				Pass. In Front		Pass. In Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
MONTE CARLO 2-Door Coupe - 1GZ37	824.3 (1817.2)	631.2 (1391.5)	1455.5 (3208.7)					1413.3 (3115.7)
MALIBU CLASSIC 4-Door Sedan - 1GW69	773.0 (1704.1)	674.1 (1486.1)	1447.1 (3190.2)					1404.9 (3097.2)
4-Door Station Wagon 1GW35	753.3 (1660.7)	762.3 (1680.6)	1515.6 (3341.3)					1472.9 (3247.1)
EL CAMINO 2-Door Sedan Pick-up 1GW80	833.6 (1837.7)	638.5 (1407.6)	1472.1 (3245.3)					1431.1 (3155.0)

CURB WEIGHT - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oils, lubes, coolants and fuel all filled to capacity.

SHIPPING WEIGHT - Same as base curb weight except 3 gallons of gasoline.

* Reference — SAE J1100a, Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition —

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Optional Equipment Differential Mass (weight)*

Equipment	MASS. kg (weight, lb.) Front	Rear	Total	Remarks
Air Conditioning	32.2	2.4	34.6	With LC3 V6 Engine
4-Season	(+71.0)	(+5.3)	(+76.3)	
	22.0	1.6	23.6	With LD5 V6 Engine
	(+48.5)	(+3.5)	(+52.0)	
	26.0	2.0	28.0	With LT6 V6 Diesel Engine
	(+57.3)	(+4.4)	(61.7)	
	26.4	2.0	28.4	With L39 V8 Engine
	(+58.2)	(+4.4)	(+62.6)	
	26.0	2.0	28.0	With LG4 V8 Engine
	(+57.3)	(+4.4)	(+61.7)	
	26.0	2.0	28.0	With LF9 V8 Diesel Engine
	(+57.3)	(+4.4)	(+61.7)	
Electric Door Locks	1.2	0.8	2.0	With 2-Door Models
	(+ 2.6)	(+1.8)	(+ 4.4)	
	1.4	1.4	2.8	With 4-Door Models
	(+ 3.1)	(+3.1)	(+ 6.2)	
Power Tailgate Release	0	0.8	0.8	Station Wagon
	0	(+1.8)	(+ 1.8)	
Power Windows	1.2	1.2	2.4	2-Door Models
	(+ 2.6)	(+2.6)	(+ 5.2)	
	1.8	3.0	4.8	4-Door Station Wagons
	(+ 4.0)	(+6.6)	(+10.6)	
	2.6	3.2	5.8	4-Door Models includes
	(+ 5.7)	(+7.1)	(+12.8)	rear door vent windows
Seat 45/45 Passenger Front	2.6	2.8	5.4	Monte Carlo only
	(+ 5.7)	(+6.2)	(+11.9)	
Power Trunk Opener	0	2.0	2.0	Monte Carlo only
	(0)	(+4.4)	(+ 4.4)	
Cargo Tie-Down	0	0.6	0.6	El Camino
	(0)	(+1.3)	(+ 1.3)	
Heavy Duty Cooling	0.6	0	0.6	With LC3 Engine
	(+ 1.3)	(0)	(+ 1.3)	
	0.8	0	0.8	With LD5
	(+ 1.8)	(0)	(+ 1.8)	
	3.2	0	3.2	With LG4, L39, LT6, LF9
	(+ 7.1)	(0)	(+ 7.1)	

* Also see Engine – General Section for dressed engine mass (weight).

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Equipment	Optional Equipment Differential Mass (weight)* MASS, kg (weight, lb) Front	Rear	Total	Remarks
Floor Mats - Front	1.6	0.6	2.2	El Camino
Only Color-Keyed	(+ 3.5)	(+1.3)	(+ 4.8)	
Floor Mats - Front &	2.0	1.4	3.4	All except El Camino
Rear Color-Keyed	(+ 4.4)	(+3.1)	(+ 7.5)	
Deluxe Load Floor	- 1.0	2.8	1.8	Station Wagon
Carpet	(- 2.2)	(+6.2)	(+ 4.0)	
Deluxe Luggage	0.6	0.6	1.2	Monte Carlo
Compartment Trim	(+ 1.3)	(+1.3)	(+ 2.6)	
Removable Glass	7.0	9.8	16.8	Monte Carlo
Roof Panels	(+15.4)	(+21.6)	(+37.0)	
Padded Opera - Vinyl	0.6	2.8	3.4	Monte Carlo
Roof Cover	(+ 1.3)	(+6.2)	(+ 7.5)	
Vinyl Roof Cover - Full	1.0	1.2	2.2	Monte Carlo & Malibu Sedan
	(+ 2.2)	(+2.6)	(+ 4.8)	
Mirror O/S Rear	0.8	0.4	1.2	All
View	(+ 1.8)	(+0.9)	(+ 2.7)	
Cargo Tonneau Cover	0	4.2	4.2	El Camino
	(0)	(+9.3)	(+ 9.3)	
Heavy Duty Front &	2.0	0.2	2.2	Monte Carlo & Malibu Sedan
Rear Suspension	(+ 4.4)	(+0.4)	(+ 4.8)	
Sport Suspension	3.0	8.0	11.0	Monte Carlo & El Camino
	(+ 6.6)	(+17.6)	(+24.2)	
Automatic Speed Control	2.4	0	2.4	All
	(+ 5.3)	(0)	(+ 5.3)	
Comfortilt Steering	1.2	0	1.2	All
Wheel	(+ 2.6)	(0)	(+ 2.6)	
Aluminum Wheels	- 1.8	-1.8	- 3.6	Monte Carlo
	(- 4.0)	(-4.0)	(- 8.0)	
Wire Wheel Covers	3.2	3.2	6.4	All
	(+ 7.1)	(+7.1)	(+14.2)	
Sport Wheel Covers	0.6	0.6	1.2	All except Monte Carlo
	(+ 1.3)	(+1.3)	(+ 2.6)	

* Also see Engine — General Section for dressed engine mass (weight)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg (weight, lb)			Remarks
	Front	Rear	Total	
Battery-Heavy Duty	6.0	-0.8	5.2	All
	(+13.2)	(-1.8)	(+11.4)	
Gauge Package with	0.4	0	0.4	All
Trip Odometer	(+ 0.9)	(0)	(+ 0.9)	
Radio AM Push-Button	2.2	0.2	2.4	All
	(+ 4.8)	(+0.4)	(+ 5.2)	
Radio AM/FM Push-Button	2.6	0.4	3.0	All
	(+ 5.7)	(+0.9)	(+ 6.6)	
Radio AM/FM Stereo	3.2	0.8	4.0	All
	(+ 7.1)	(+1.8)	(+ 8.8)	
Radio AM/FM Stereo	5.0	0.8	5.8	All
W/8-Track Tape Player	(+11.0)	(+1.8)	(+12.8)	
Radio AM/FM Stereo	4.6	1.6	6.2	All
W/Cassette Tape Player	(+10.1)	(+3.5)	(+13.6)	
Rear Seat Speaker	0	1.0	1.0	All except El Camino
Requires U63 or U69	(0)	(+2.2)	(+ 2.2)	
Rear Seat Speaker -	0	2.0	2.0	All except El Camino
Dual	(0)	(+4.4)	(+ 4.4)	
Bumper Rub Strips	0.8	0.8	1.6	All except Monte Carlo
	(+ 1.8)	(+1.8)	(+ 3.6)	
Bumper Guards	1.6	1.6	3.2	All except Monte Carlo
Front & Rear	(+ 3.5)	(+3.5)	(+ 7.1)	
Roof Carrier	1.4	5.2	6.6	Station Wagon
	(+ 3.1)	(+11.5)	(+14.6)	
Rally Wheels	2.8	2.8	5.6	All except El Camino
	(+ 6.2)	(+6.2)	(+12.4)	
	0.8	0.8	1.6	El Camino
	(+ 1.8)	(+1.8)	(+ 3.6)	

* Also see Engine — General Section for dressed engine mass (weight)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•)

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg. (weight, lb)			Remarks
	Front	Rear	Total	
3.8 Liter-V6 (231 CID)	3.0	0.6	3.6	Monto Carlo
RPO - LD5	(+ 6.6)	(+1.3)	(+ 7.9)	
	3.0	0.4	3.4	4-Door Sedan
	(+ 6.6)	(+0.9)	(+ 7.5)	
	2.6	0.4	3.0	Station Wagon
	(+ 5.7)	(+0.9)	(+ 6.6)	
	3.4	0.6	4.0	El Camino
	(+ 7.5)	(+1.3)	(+ 8.8)	
4.3 Liter V6 (262 CID)	30.0	5.6	35.6	Monte Carlo & 4-Door Sedan
RPO - LT6, Diesel	(+66.1)	(+12.3)	(+78.4)	
4.4 Liter V8 (267 CID)	51.0	7.6	58.6	Monte Carlo
RPO - L39	(+112.4)	(+16.7)	(+129.1)	
	51.6	7.8	59.4	4-Door Sedan
	(+113.8)	(+17.2)	(+131.0)	
	55.4	8.2	63.6	Station Wagon
	(+122.1)	(+18.1)	(+140.2)	
	54.0	8.2	62.2	El Camino
	(+119.0)	(+18.1)	(+137.1)	
5.0 Liter V8 (305 CID)	42.6	6.4	49.0	Monte Carlo, California only.
RPO - LG4	(+93.9)	(+14.1)	(+108.0)	
	50.2	7.4	57.6	Station Wagon
	(+110.7)	(+16.3)	(+127.0)	
	47.2	7.0	54.2	El Camino
	(+104.1)	(+15.4)	(+119.5)	
5.7 Liter V8 (350 CID)	135.2	20.2	155.4	Monte Carlo & 4-Door Sedan
RPO - LF9, Diesel	(+298.1)	(+44.5)	(+342.6)	
	141.2	21.0	162.2	Station Wagon
	(+311.3)	(+46.3)	(+357.6)	

* Also see Engine – General Section for dressed engine mass (weight)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line.
SAE Ref. No. refers to the definition published in SAE Recommended Practice.
J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type

SAE Ref. No.	MONTE CARLO 2-DOOR COUPE	MALIBU 4-DOOR SEDAN	MALIBU STATION WAGON	EL CAMINO SEDAN PICK-UP
Width				
Tread — Front W101	1486 (58.5)			
Tread — Rear W102	1467 (57.8)			
Vehicle width W103	1824 (71.8)	1837 (72.3)	1826 (71.9)	
Body width at Sg RP — front W117	1784 (70.2)	1774 (69.8)	1774 (69.8)	1776 (69.9)
Vehicle width — front doors open W120	3989 (157.0)	3376 (132.9)		4002 (157.6)
Vehicle width — rear doors open W121	--	3225 (127.0)		
Length				
Wheelbase L101	2745 (108.1)			2974 (117.1)
Vehicle length L103	5090 (200.4)	4895 (192.7)	4911 (193.3)	5121 (201.6)
Overhang — front L104	1077 (42.4)	915 (36.0)		
Overhang — rear L105	1268 (49.9)	1235 (48.6)	1251 (49.3)	1232 (48.5)
Upper structure length L123	2305 (90.7)	2396 (94.3)	3261 (128.4)	1500 (59.1)
Rear wheel C/L "X" coordinate L127	2377 (93.6)			
Cowl point "X" coordinate L125	158 (6.2)			
Height **				
Passenger Distribution (frt./rear) PD1,2,3	**			
Trunk/Cargo load	**			
Vehicle height H101	1380 (54.3)	1414 (55.7)	1418 (55.8)	1408 (55.4)
Cowl point to ground H114	974 (38.3)	983 (38.7)	986 (38.8)	
Deck point to ground H138				
Rocker panel front to ground H112	222 (8.7)	228 (9.0)	234 (9.2)	
Bottom of door closed-front to grd. H133				
Rocker panel rear to ground H111	223 (8.8)	237 (9.3)	243 (9.6)	245 (9.6)
Bottom of door closed-rear to grd. H135	--			--
Ground Clearance **				
Front bumper to ground H102	317 (12.5)	349 (13.7)	351 (13.8)	
Rear bumper to ground H104	344 (13.6)	357 (14.0)	353 (13.9)	356 (14.0)
Bumper to ground — front at curb mass (wt.) H103	339 (13.3)	370 (14.6)		
Bumper to ground — rear at curb mass (wt.) H105	366 (14.4)	378 (14.9)	369 (14.5)	371 (14.6)
Angle of approach @ GVW H106	19.2°	23.3°	23.5°	
Angle of departure @ GVW H107	17.2°	16.5°	16.7°	17.5°
Ramp breakover angle @ GVW H147	14.3°	15.4°	15.6°	14.5°
Rear axle differential to ground H153	299 (11.8)	294 (11.6)	295 (11.6)	309 (12.2)
Min. running ground clearance H156	135 (5.3)	153 (6.0)	158 (6.2)	160 (6.3)
Location of min. run. grd. clear.	Rear shock absorber bracket			

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds).

** All vehicle height and ground clearances are made using EPA loaded vehicle weight, loading conditions.

EPA LOADED VEHICLE WEIGHT is the base vehicle weight plus all coolant and fluids necessary for operation plus 100% of the fuel capacity, plus the weight of all options and accessories which weigh three pounds or more and which are sold on at least 33% of the car line, plus two occupants.

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO

Passenger Car

Model Year 1982 Issued 8-81 Revised (•) 10-81

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

	SAE Ref. No.	Body Type: MONTE CARLO 2-DOOR COUPE	MALIBU 4-DOOR SEDAN	MALIBU STATION WAGON	EL CAMINO SEDAN PICK-UP
Front Compartment					
Sg RP front, "X" coordinate	L31	1088 (42.8)			
Effective head room	H61	956 (37.6)	978 (38.5)	985 (38.8)	956 (37.6)
Effective T Point head room	H75	961 (37.8)	985 (38.8)	990 (39.0)	961 (37.8)
Max. eff. leg room — accelerator	L34	1086 (42.8)			
Sg RP — front to heel	H30	228 (9.0)			
Design H-point front travel	L17	172 (6.8)			
Shoulder room	W3	1430 (56.3)	1440 (56.7)		
Hip room	W5	1313 (51.7)	1326 (52.2)		1313 (51.7)
** Upper body opening to ground	H50				
Steering Wheel Angle	H18	19.5°			
Back Angle	L40	26.5°			
Rear Compartment					
Sg RP Point couple distance	L50	817 (32.2)	827 (32.6)	791 (31.1)	--
Effective head room	H63	961 (37.8)	954 (37.6)	985 (38.8)	--
Effective T Point head room	H76	957 (37.7)	959 (37.8)	991 (39.0)	--
Min. effective leg room	L51	923 (36.3)	965 (38.0)	902 (35.5)	--
Sg RP — second to heel	H31	261 (10.3)	298 (11.7)		--
Knee clearance	L48	53 (2.1)	44 (1.7)	13 (0.5)	--
Compartment room	L3	678 (26.7)	705 (27.8)	685 (27.0)	--
Shoulder room	W4	1419 (55.9)	1450 (57.1)		--
Hip room	W6	1394 (54.9)	1412 (55.6)		--
** Upper body opening to ground	H51	--			--
Luggage Compartment					
Usable luggage capacity — L (cu. ft.)	V1	458 (16.2)	469 (16.6)	--	1005.4 (35.5)
** Liftover height	H195	620 (24.4)	807 (31.8)	584 (23.0)	640.1 (25.2)

All linear dimensions are in millimeters (inches).

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

ALL INTERIOR DIMENSIONS ARE MEASURED WITH THE SEATING REFERENCE POINT (SgRP) ____ mm (1 SEAT ADJUSTER NOTCH) FORWARD OF REARMOST SEAT POSITION.

MVMA Specifications Form
Passenger Car

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Body Type	SAE Ref. No.	
		MALIBU STATION WAGON

Station Wagon — Third Seat

Shoulder room	W85	NOT
Hip room	W86	APPLICABLE
Effective leg room	L86	
Effective head room	H86	
Effective T-point head room	H89	
Seat facing direction	SD1	

Station Wagon — Cargo Space

Cargo length—open—front	L200	2639 (103.9)
Cargo length—open—second	L201	1840 (72.4)
Cargo length—closed—front	L202	2064 (81.3)
Cargo length—closed—second	L203	1265 (49.8)
Cargo length at belt—front	L204	1852 (72.9)
Cargo length at belt—second	L205	1023 (40.3)
Cargo width—wheelhouse	W201	1108 (43.6)
Rear opening width at floor	W203	1372 (54.0)
Opening width at belt	W204	1312 (51.7)
Max. rear opening width above belt	W205	1006 (39.6)
Cargo height	H201	763 (30.0)
Rear opening height	H202	706 (27.8)
Tailgate to ground height	H250	584 (23.0)
Front seat back to load floor height	H197	
Cargo volume index—$m^3(ft.^3)$	V2	2049 (72.4)
Hidden cargo volume—$m^3(ft.^3)$	V4	

Hatchback — Cargo Space

Front seat back to load floor height	H197	
Cargo length at front seat back height	L208	NOT
Cargo length at floor—front	L209	APPLICABLE
Cargo volume index—$m^3(ft.^3)$	V3	
Hidden cargo volume—$m^3(ft.^3)$	V4	

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

All dimensions are in millimeters (inches).

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line MONTE CARLO-MALIBU CLASSIC-EL CAMINO
Model Year 1982 Issued 8-81 Revised (•) 10-81

Car and Body Dimensions See Key Sheets for definitions

Body Type			
MONTE CARLO 2-DOOR COUPE	MALIBU CLASSIC 4-DOOR SEDAN	MALIBU CLASSIC STATION WAGON	EL CAMINO SEDAN PICK-UP

Vehicle Fiducial Marks

Fiducial Mark Number *		Define Coordinate Location
Front		X - Fiducial mark to vertical base grid line-front, measured horizontally from the base grid line to the front fiducial mark located on top of the front seat adjuster mounting bolt. Y - 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. Z - Fiducial mark to horizontal base grid line-front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear		X - Fiducial mark to vertical base grid line-rear measured horizontally from base grid line to the rear fiducial mark located on rear underbody crossbar. Y - Fiducial mark to centerline of car-rear, width measurement made from centerline of car to fiducial mark located on the rear underbody crossbar. Z - Fiducial mark to horizontal base grid line-rear, measured vertically from base grid line to the rear fiducial mark located on rear unded-body crossbar.

Fiducial Mark Number					
Front	W21	564.0 (22.0)			
	L54	2761.0 (108.7)			
	H81	490.0 (19.3)			
	H161	341.5 (13.4)	350.0 (13.8)		
**	H163	322.0 (12.6)	329.0 (12.9)	333.0 (13.1)	
Rear	W22	534.0 (21.0)		560.0 (22.1)	586.0 (23.1)
	L55	5338.0 (210.2)		5345.0 (210.4)	5650.0 (222.4)
	H82	617.0 (24.3)		617.0 (24.3)	671.0 (26.4)
	H162	468.0 (18.4)	492.0 (19.3)		547.0 (21.5)
**	H164	449.2 (17.7)	470.0 (18.5)	475.0 (18.7)	532.0 (20.9)

*Reference — SAE Recommended Practice, J182a, A Motor Vehicle Fiducial Marks — September, 1973.
All linear dimensions are in millimeters (inches).

** EPA LOADED VEHICLE WEIGHT, LOADING CONDITIONS

MVMA Specifications Form
Passenger Car

Car Line: MONTE CARLO-MALIBU CLASSIC-EL CAMINO

Model Year: 1982 Issued: 8-81 Revised (•): 10-81

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

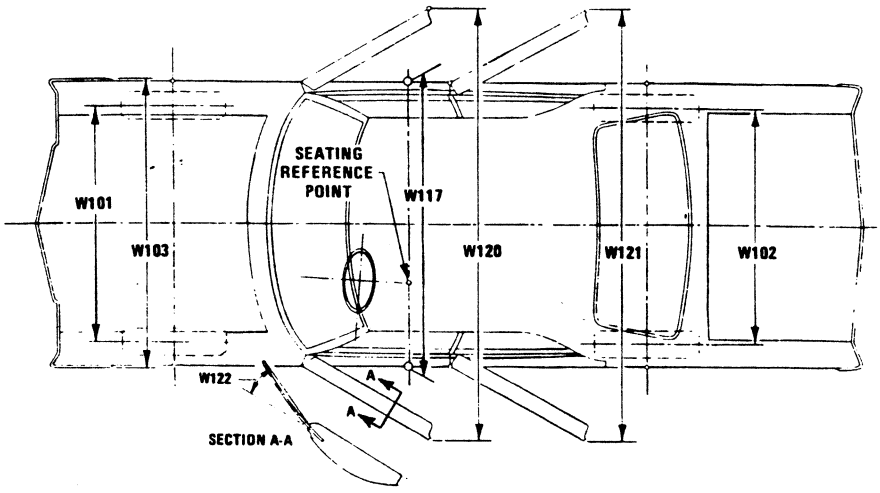
Body Type	SAE Ref. No.	MONTE CARLO 2-DOOR COUPE	MALIBU 4-DOOR SEDAN	MALIBU STATION WAGON	EL CAMINO SEDAN PICK-UP
Glass					
Backlight slope angle *	H121	33.0°	32.0°	37.5°	20.0°
Windshield slope angle	H122	58.5°	55.0°	55.0°	58.5°
Tumble-Home	W122	23.5°	24.5°	24.5°	23.5°
Windshield glass exposed surface area — $cm^2(in.^2)$	S1	8786.3(1361.9)	8111.1(1257.2)	8111.1(1257.2)	8786.3(1361.9)
Side glass exposed surface area — $cm^2(in.^2)$	S2	9060.5(1404.4)	9985.6(1547.8)	15637(2423.7)	6944.0(1076.3)
Backlight glass exposed surface area — $cm^2(in.^2)$	S3	4660.0(722.3)	3907 (605.6)	4987.0(773.0)	3314.0(513.7)
Total glass exposed surface area — $cm^2(in.^2)$	S4	22506.8(3488.6)	22003.7(3410.6)	28735.1(4453.9)	19044.3(2951.9)
Windshield glass type		Curved - Laminated Plate			
Side glass type		Curved - Tempered Plate			
Backlight glass type		Curved - Tempered Plate			
Lamps and Headlamp Shape*					
Height above ground to center of bulb or marker — Headlamp (H127)	Highest**	672 (26.4)	668 (26.3)	671 (26.4)	670 (26.4)
	Lowest	658 (25.9)	--	--	--
Taillamp (H128)	Highest	783 (30.8)	671 (26.4)	427 (16.7)	426 (16.8)
	Lowest	683 (26.9)	--	--	--
Sidemarker	Front	396 (15.6)	637 (25.1)	640 (25.2)	639 (25.2)
	Rear	378 (14.8)	671 (26.4)	435 (17.1)	420 (16.5)
Distance from C/L of car to center of bulb — Headlamp	Inside				
	Outside**				
Taillamp	Inside				
	Outside				
Directional	Front				
	Rear				
Headlamp shape					

* Measured at curb mass (weight)

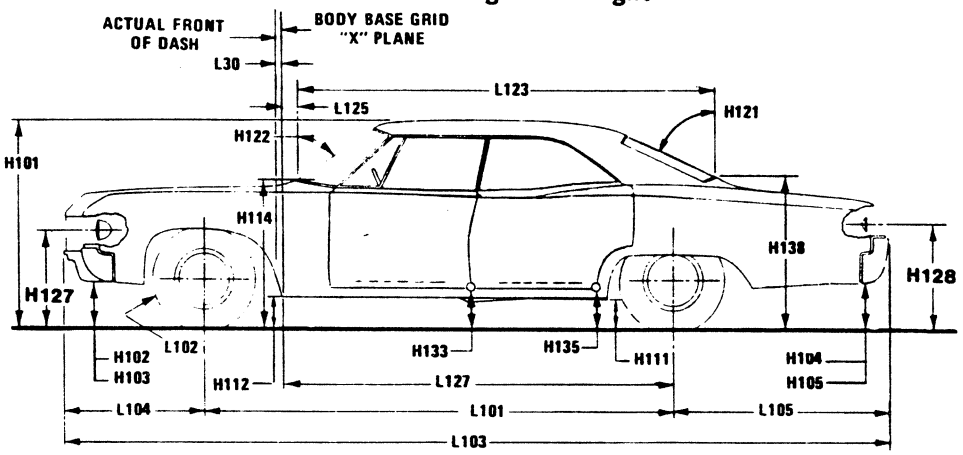
** If single headlamps are used enter here.

Exterior Car And Body Dimensions — Key Sheet

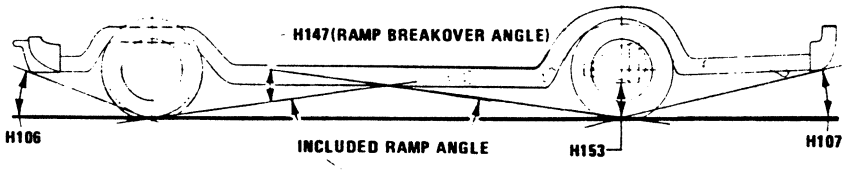
Exterior Width



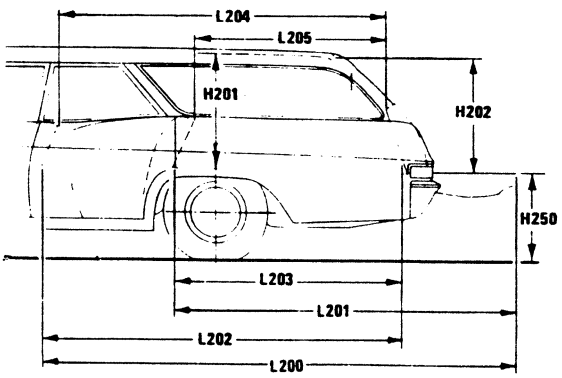
Exterior Length & Height



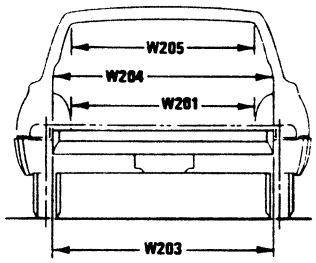
Exterior Ground Clearance

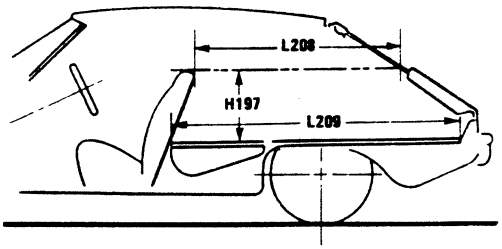


Cargo Space



Station Wagon



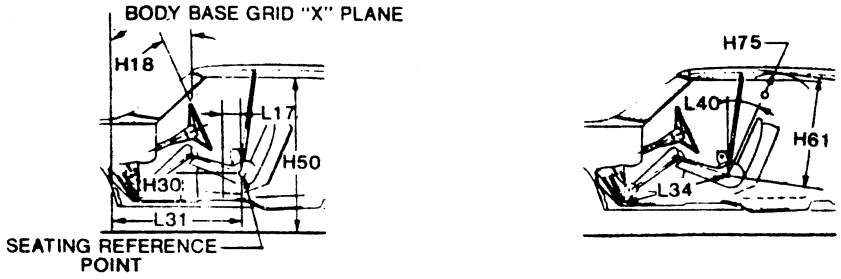


Hatchback

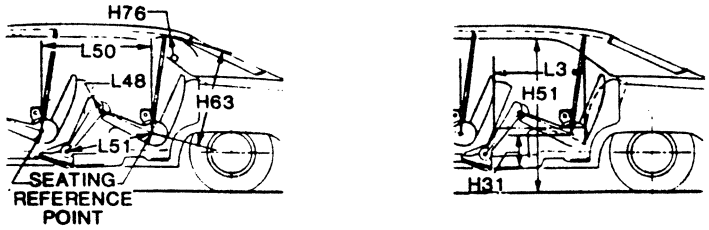
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet

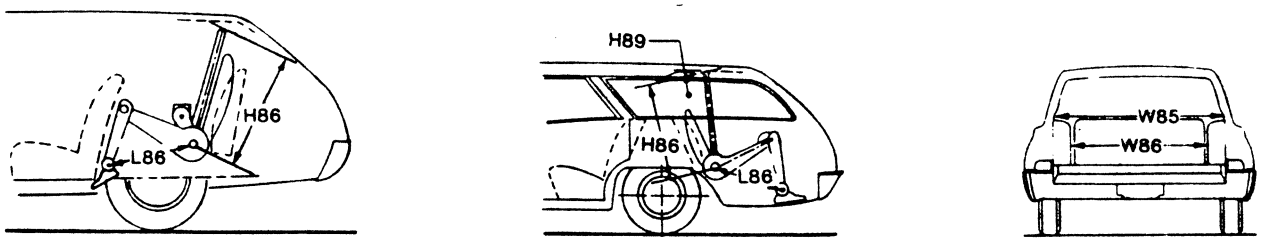
Front Compartment



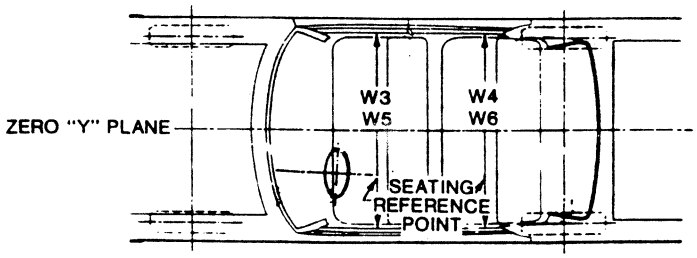
Rear Compartment



Third Seat



Interior Width



Exterior Car And Body Dimensions — Key Sheet Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –
(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
(b) Has coordinates established relative to the design vehicle structure;
(c) Simulates the position of the pivot center of the human torso and thigh; and
(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

W101 TREAD—FRONT. The dimension measured between the tire centerlines at the ground.

W102 TREAD—REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.

W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.

W117 BODY WIDTH AT SgRP—FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.

W120 VEHICLE WIDTH—FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.

W121 VEHICLE WIDTH—REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.

W122 TUMBLE HOME. STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.

L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.

L102 TIRE SIZE. As specified by the manufacturer.

L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L104 OVERHANG—FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

L105 OVERHANG—REAR. The dimension measured longitudinally from the centerline of the rear wheels, or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.

L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.

L127 REAR WHEEL CENTERLINE "X" COORDINATE or in the case of dual rear axles, the coordinate shall be in the midpoint of the distance between the rear axle centerlines.

L125 COWL POINT "X" COORDINATE.

Height Dimensions

H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.

H114 COWL POINT TO GROUND. Measured at zero "Y" plane.

H138 DECK POINT TO GROUND. Measured at zero "Y" plane.

H112 ROCKER PANEL—FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.

H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H111 ROCKER PANEL—REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.

H134 BOTTOM OF DOOR OPEN—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.

H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.

H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.

H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 18.0 in. (457 mm) long, drawn from the lower DLO to the intersecting point on the windshield.

H127 HEADLAMP TO GROUND—CURB WEIGHT. The dimensional measured vertically from the centerline of the lowest headlamp lens to ground.

H128 TAILLAMP TO GROUND—CURB WEIGHT. The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions — Key Sheet
Dimensions Definitions

H103 FRONT BUMPER TO GROUND—CURB WEIGHT. Measured in the same manner as H104.

H104 REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.

H105 REAR BUMPER TO GROUND—CURB WEIGHT. Measured in the same manner as H104.

H106 ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.

H107 ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground: The limiting component shall be designated.

H147 REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.

H153 REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.

H156 MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.

Front Compartment Dimensions

PD1 PASSENGER DISTRIBUTION—FRONT.

L31 SgRP—FRONT "X" COORDINATED.

H61 EFFECTIVE HEAD ROOM—FRONT. The dimension measured along a line 8 deg. rear of vertical from the SgRP—front to the headlining, plus 4.0 in. (102 mm).

H75 EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 30 in. (762 mm).

L34 MAXIMUM EFFECTIVE LEG ROOM—ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP—front plus 10.0 in. (254 mm) measured with right foot on the undepressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.

H30 SgRP—FRONT TO HEEL. The dimension measured vertically from the SgRP—front to the accelerator heel point.

L17 DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions.

W3 SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within the belt line and 10.0 in. (254 mm) above the SgRP—front.

W5 HIP ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within 1.0 in. (25 mm) below and 3.0 (76 mm) above the SgRP—front and 3.0 (76 mm) fore and aft of the SgRP—front.

H150 UPPER BODY OPENING TO GROUND—FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane.

H18 STEERING WHEEL ANGLE. 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 SgRP—front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

Rear Compartment Dimensions

PD2 PASSENGER DISTRIBUTION—SECOND.

L50 SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to the SgRP—second.

H63 EFFECTIVE HEAD ROOM—SECOND. The dimension measured along a line 8 deg. rear of vertical from the SgRP to the headlining, plus 4.0 in. (102 mm).

H76 EFFECTIVE T-POINT HEAD ROOM—SECOND. Measured in the same manner as H75.

L51 MINIMUM EFFECTIVE LEG ROOM—SECOND. The dimension measured along a line from the ankle pivot center to the SgRP—second plus 10.0 in. (254 mm).

H31 SgRP—SECOND TO HEEL. The dimension measured vertically from the SgRP—second to the two dimensional device heel point on the depressed floor covering.

L48 KNEE CLEARANCE—SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 2.0 in. (51 mm).

L3 COMPARTMENT ROOM—SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.

W4 SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP—second within 10.0-16.0 in. (254-406 mm) above the SgRP—second.

W6 HIP ROOM—SECOND. Measured in the same manner as W5.

H51 UPPER BODY OPENING TO GROUND—SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 13.0 in. (330 mm) forward of the SgRP—second.

Luggage Compartment Dimensions

V1 USABLE LUGGAGE CAPACITY—Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.

H195 LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.

Station Wagon — Third Seat Dimensions

PD3 PASSENGER DIRECTION—THIRD.

W85 SHOULDER ROOM—THIRD. Measured in the same manner as W5.

W86 HIP ROOM— THIRD. Measured in the same manner as W5.

L86 EFFECTIVE LEG ROOM—THIRD. The dimension measured along a line from the ankle pivot center to the SgRP—third plus 10.0 in. (254 mm).

H86 EFFECTIVE HEAD ROOM—THIRD. The dimension measured along a line 8 deg. from the SgRP—third to the headlining rear of vertical plus a constant of 4.0 in. (102 mm).

H89 EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.

Interior Car And Body Dimensions — Key Sheet
Dimensions Definitions

Station Wagon — Cargo Space Dimensions

L200 CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L201 CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.

L202 CARGO LENGTH—CLOSED—FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L203 CARGO LENGTH—CLOSED—SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.

L204 CARGO LENGTH AT BELT—FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the cab back panel at the height of the belt, on the zero "Y" plane.

L205 CARGO LENGTH AT BELT—SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

W201 CARGO WIDTH—WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.

W203 REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.

W204 REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.

W205 REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND (CURB WEIGHT). The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

V2 STATION WAGON
Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = ft.^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = m^3 \text{(cubic meter)}$$

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

Hatchback — Cargo Space Dimensions

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

H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.

L209 CARGO LENGTH AT FLOOR—FRONT—HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

V3 HATCHBACK.
Measured in inches:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{1728} = ft.^3$$

Measured in mm:

$$\frac{\frac{L208 + L209}{2} \times W4 \times H197}{10^9} = m^3 \text{(cubic meter)}$$