PRO

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC(U.S. Customary)

Passenger Car

1987

Manufacturer	Chevrolet Motor Division General Motors Corporation	Car Line	Camaro
Mailing Address	Chevrolet-Pontiac-Canada Group Engineering Center General Motors Corporation 30003 Van Dyke Warren, MI 48090-9060	Issued	June, 1986
		Revised	NOVEMBER, 1986

Questions concerning these specifications should be directed to the manufacturer whose address is shown above.

The information contained herein is prepared, distributed by, and is solely the responsibility of the automobile manufacturing company to whose products it relates. This specification form was developed by the automobile manufacturing companies under the auspices of the Motor Vehicle Manufacturers Association of the United States, Inc.

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

Blank Forms Provided by Technical Affairs Division

Motor Vehicle Manufacturers Association
of the United States, Inc.

MVMA-C-87

MVMA Specifications Form
Passenger Car

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NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. UNLESS OTHERWISE INDICATED:
   a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
   b. Nominal design dimensions are used throughout these specifications.
   c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

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Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Car Models

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)		Max. Trunk Cargo Load–Kilograms (Pounds)
REAR WHEEL DRIVE CAMARO		MODEL NUMBER	FRONT/REAR		
Sport Coupe					
2-Door Sport Coupe		1FP87	2	2	45.4 (100.1)
Model Option					
LT					
2-Door Sport Coupe		1FP87/B4E	2	2	45.4 (100.1)
Z28					
2-Door Sport Coupe		1FP87 w/Z28	2	2	45.4 (100.1)
IROC-Z					
2-Door Sport Coupe		1FP87/Z28/B4Z	2	2	45.4 (100.1)

All models share common hatchback body.

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

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Power Teams (Indicate whether standard or optional)
SAE J1349 Net bhp (brake horsepower) and net torque corrected to 77°F/25° C and 29.61 in. Hg/100 kPa atmospheric pressure.

SERIES AVAILABILITY	ENGINE					Exhaust S/D	TRANSMISSION/ TRANSAXLE	DRIVE RATIOS (:1) AXLE RATIO			
	Displ. Liters (in³)	Carb. (Barrels, FI, etc.)	Compr. Ratio	SAE Net at RPM				Overall Base Veh. #	Drive	Overall Opt. Veh.	Drive
				Power kW (bhp)	Torque N·m (lb. ft.)						
1FP00-All States-Base Except Z28	V6 2.8L (173 CID) LB8	MFI **	8.9:1	(135 @ 4900)	160 @ 3900)	S	Man. 5-Spd. (MB1) 4.03 Low/Base	3.42+	2.60	--	--
							Auto '700-R4' Avail (MD8)	3.42+	2.39	--	--
1FP00 Avail-All States	V8 5.0L (305 CID) LG4	4-Bbl	9.3:1	(165 @ 4400)	(245 @ 2800)	S	Man. 5-Spd. (M39) 2.95 Low/Base	3.23	2.03	--	--
							Auto '700-R4' (MD8) Avail	2.73	1.91	--	--
1FP with Z28-Base				(170 @ 4400)	(250 @ 2800)	D	Man. 5-Spd. (M39) 2.95 Low/Base	3.23	2.03	--	--
							Auto '700-R4' (MD8) Avail	2.73	1.91	--	--
Avail All States Z28/IROC	V8 5.0L (305 CID) LB9	TPI ***	9.3:1	(215 @ 4400)	(295 @ 3200)	D	Man. 5-Spd M39 MK6 2.95 Low/Base	3.08	1.94	3.45%¶	2.17
								--	--	3.45%#	2.55@
				(190 @ 4000)	(295 @ 3200)	D	Auto '700-R4' (MD8) Opt.	2.73	1.91	3.23¶	2.26
Avail All States Z28/IROC	V8 5.7L (350 CID) L98	TPI @ ***	9.3:1	(225 @ 4400)	(330 @ 2800)	D	Auto '700-R4' Base	3.27	2.29$%	--	--

- 194mm (7.5/8" ring gear.
$ - 197mm (7-3/4" ring gear.
* - Electronic Fuel Injection.
** - Multi-Port Fuel Injection.
*** - Tuned-Port Fuel Injection.
+ - Not available with limited slip axle.
% - With Rear Disc Brakes only.
¶ - Not available with Z28, IROC only.
@ - MK6 with optional axle and no AC interim 87

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Engine Description/Carb. Engine Code	2.8 Liter V6 (173 CID) (2.8 Multi Port FI) RPO LB8

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		60°V
Manufacturer		Chevrolet
No. of cylinders		6
Bore		89.0 (3.50)
Stroke		76.0 (2.99)
Bore spacing (C/L to C/L)		111.8 (4.40)
Cylinder block material & mass kg (lbs.) (machined		Cast Iron 41.731 (91.9)
Cylinder block deck height		224 (8.82)
Cylinder block length		
Deck clearance (minimum) (above or below block)		0.12 (.0047) Below
Cylinder head material & mass kg (lbs.)		Cast Iron 11.227 (24.8)
Cylinder head volume (cm^3)		--
Cylinder liner material		
Head gasket thickness (compressed)		.838 (.033)
Minimum combustion chamber total volume (cm^3)		51.546 (2.029)@
Cyl. no. system (front to rear)*	L. Bank	1-3-5
	R. Bank	2-4-6
Firing order		1-2-3-4-5-6
Intake manifold material & mass [kg (lbs.)]**		Cast Alum./2.370 (5.1) ctr, 3.810 (8.4) Lwr
Exhaust manifold material & mass [kg (lbs.)]**		Cast Iron/3.610 (8.0) RH, 2.425 (5.3) LH
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index (R + M) / 2		87
Total dressed engine mass (wt) dry***		195.7 (431.4) Auto, 206.9 (456.1) Man.

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum alloy/.467 (1.0)

Engine – Camshaft

Location		In block above crankshaft
Material & mass kg (weight, lbs.)		Cast iron/3.098 (6.83)
Drive type	Chain / belt	Chain
	Width / pitch	19.4/60.9

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

** Finished state.

*** Dressed engine mass (weight) includes the following:
@-Piston at TDC, spark plug and valves in place, and cylinder head torqued to specifications.

** All those items necessary to make engine a complete ready-to-run unit.

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Engine Description/Carb. Engine Code	5.0 Liter V8 (305 CID) 4-Bbl. Carburetor RPO LG4

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		90°V Front Longitudinal
Manufacturer		Chevrolet
No. of cylinders		8
Bore		94.89 (3.74)
Stroke		88.39 (3.48)
Bore spacing (C/L to C/L)		111.8 (4.40)
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron 68.674 (151.4)
Cylinder block deck height		229.2 (9.025)
Cylinder block length		
Deck clearance (minimum) (above or below block)		.635 (.025) below
Cylinder head material & mass kg (lbs.)		Cast Iron 19.800 (43.7)
Cylinder head volume (cm^3)		Not Applicable
Cylinder liner material		
Head gasket thickness (compressed)		.533 (.021)
Minimum combustion chamber total volume (cm^3)		55.2 (+/- 2.2)
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
Intake manifold material & mass [kg (lbs.)]**		Cast Aluminum/6.900 (15.2)
Exhaust manifold material & mass [kg (lbs.)]**		Cast Iron/4.345 (9.6) L.H., 3.800 (8.4) R.H.
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index (R + M) 2		87
Total dressed engine mass (wt) dry***		275.1 (606.5) Auto. 290.8 (641.1) Man.

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum .645 (1.4)

Engine – Camshaft

Location		In block above crankshaft
Material & mass kg (weight, lbs.)		Steel 4.124 (9.1)
Drive type	Chain / belt	Chain
	Width / pitch	15.976 (.625)/.5

* Rear of engine – drive takeoff. View from drive takeoff end to determine left & right side of engine.
** Finished state.
*** Dressed engine mass (weight) includes the following:

All those items necessary to make engine a complete ready-to-run unit.

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Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code	5.0 Liter V8 (305 CID) (Tuned Port Fuel Injection) RPO LB9

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		90°V Front Longitudinal
Manufacturer		Chevrolet
No. of cylinders		8
Bore		94.89 (3.74)
Stroke		88.39 (3.48)
Bore spacing (C/L to C/L)		111.8 (4.40)
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron/68.674 (151.4)
Cylinder block deck height		229.2 (9.025)
Cylinder block length		
Deck clearance (minimum) (above or below block)		.635 (.025) below
Cylinder head material & mass kg (lbs.)		Cast Iron / 19.800 (43.7)
Cylinder head volume (cm^3)		Not Applicable
Cylinder liner material		
Head gasket thickness (compressed)		.533 (.021)
Minimum combustion chamber total volume (cm^3)		55.2 (+/- 2.2)
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
Intake manifold material & mass [kg (lbs.)]**		Cast Aluminum/6.117 (13.5)
Exhaust manifold material & mass [kg (lbs.)]**		Cast Iron/L.H. 4.460 (9.8), R.H. 3.800 (8.4)
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index (R + M) / 2		91
Total dressed engine mass (wt) dry***		254.1 (560.2) Auto. 297.9 (656.7) Man. 282.4 (622.6)

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum/.645 (1.4)

Engine – Camshaft

Location		In block above crankshaft
Material & mass kg (weight, lbs.)		Steel 4.200 (9.3)
Drive type	Chain / belt	Chain
	Width / pitch	15.976 (.625)/.5

* Rear of engine – drive takeoff. View from drive takeoff end to determine left & right side of engine.
** Finished state.
*** Dressed engine mass (weight) includes the following:

All those items necessary to make engine a complete ready-to-run unit.

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Engine Description/Carb. Engine Code

5.0 Liter V8 (350 CID)
Tuned Port Fuel Injection (TPI)
RPO L98

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-camber, etc.)		90°V Front Longitudinal
Manufacturer		Chevrolet
No. of cylinders		8
Bore		101.6 (4.00)
Stroke		88.4 (3.48)
Bore spacing (C/L to C/L)		111.8 (4.40)
Cylinder block material & mass kg (lbs.) (machined)		Cast Iron/68.674 (151.5)
Cylinder block deck height		229.2 (9.025)
Cylinder block length		
Deck clearance (minimum) (above or below block)		.025 below
Cylinder head material & mass kg (lbs.)		Cast Iron 19.800 (43.7)
Cylinder head volume (cm^3)		Not Applicable
Cylinder liner material		
Head gasket thickness (compressed)		.021
Minimum combustion chamber total volume (cm^3)		75.47 Combustion chamber with piston at top dead center and all components in place torqued to specifications.
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
Intake manifold material & mass [kg (lbs.)]**		Cast Aluminum 6.117 (13.5)
Exhaust manifold material & mass [kg (lbs.)]**		Iron 4.460 (9.8) L.H., 3.800 (8.4) R.H.
Recommended fuel (leaded, unleaded, diesel)		Unleaded
Fuel antiknock index (R + M) / 2		91
Total dressed engine mass (wt) dry***		284.5 (627.3) auto.

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Impacted cast aluminum, .645 (1.4)

Engine – Camshaft

Location		In cylinder block "V" above crankshaft
Material & mass kg (weight, lbs.)		Steel 4.200 (9.3)
Drive type	Chain / belt	Chain
	Width / pitch	15.976 (.625)/.5

* Rear of engine – drive takeoff. View from drive takeoff end to determine left & right side of engine.
** Finished state.
*** Dressed engine mass (weight) includes the following:

All those items necessary to make engine a complete ready-to-run unit.

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Engine Description/Carb. Engine Code	2.8 Liter V6 (173 CID) (2.8 Multi-Port FI) RPO LB8

Engine – Valve System

Hydraulic lifters (std., opt., NA)		Standard
Valves	Number intake / exhaust	6/6
	Head O.D. intake / exhaust	43.64(1.72)/36.20(1.43)

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]*	SAE 1037 or 1038 Steel .399 (0.9)

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]*		Nodular Cast Iron 14.170(31.24)
End thrust taken by bearing (no.)		3
Number of main bearings		4
Seal (material, one, two piece design, etc.)	Front	Fluoroelastomer, one-piece, lip seal
	Rear	Fluoroelastomer, one-piece, lip seal

Engine – Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	345-448 (50-65) @ 1200
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)

Engine – Diesel Information

Diesel engine manufacturer		
Glow plug, current drain at 0°F		NOT
Injector nozzle	Type	
	Opening pressure [kPa (psi)]	APPLICABLE
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine – Intake System

Turbo charger - manufacturer	NOT
Super charger - manufacturer	APPLICABLE
Charge cooler	

*Finished State

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Engine Description/Carb. Engine Code	5.0 Liter-V8 (305 CID) 4-Bbl. Carburetor RPO LG4

Engine – Valve System

Hydraulic lifters (std., opt., NA)		Standard
Valves	Number intake / exhaust	8/8
	Head O.D. intake / exhaust	46.74 (1.84), 38.10 (1.50)

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]*	SAE 1037 or 1038 Steel/.388(.855)

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]*		Nodular Cast Iron/23.360(51.50)
End thrust taken by bearing (no.)		5
Number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Fluoroelastomer, one-piece, lip seal
	Rear	Fluoroelastomer, one-piece, lip seal

Engine – Lubrication System

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.)	4.5 (5.0)

Engine – Diesel Information

Diesel engine manufacturer		
Glow plug, current drain at 0°F		NOT
Injector nozzle	Type	
	Opening pressure [kPa (psi)]	APPLICABLE
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine – Intake System

Turbo charger - manufacturer	NOT
Super charger - manufacturer	APPLICABLE
Charge cooler	

*Finished State

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Engine Description/Carb. Engine Code	5.0 Liter V8 (305 CID) (Tuned Port Fuel Injection) RPO LB9

Engine – Valve System

Hydraulic lifters (std., opt., NA)		Standard
Valves	Number intake / exhaust	8/8
	Head O.D. intake / exhaust	46.74 (1.84), 38.10 (1.50)

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]*	SAE 1037 or 1038 Steel/.388 (0.85)

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]*		Nodular Cast Iron/23.360 (51.50)
End thrust taken by bearing (no.)		5
Number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Fluoroelastomer, one-piece, lip seal
	Rear	Fluoroelastomer, one-piece, lip seal

Engine – Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	345-450 (50-65) @ 2000 with Auto. Trans., *
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	4.5 (5.0)

Engine – Diesel Information

Diesel engine manufacturer		
Glow plug, current drain at 0°F		NOT
Injector nozzle	Type	
	Opening pressure [kPa (psi)]	APPLICABLE
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel injection pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator, description (std., opt.)		
Turbo manufacturer		
Oil cooler-type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine – Intake System

Turbo charger - manufacturer	NOT
Super charger - manufacturer	APPLICABLE
Charge cooler	

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* 485-585 (70-85) @ 2000 with Manual Transmission

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Engine Description/Carb. Engine Code	5.0 Liter V8 (350 CID) Tuned Port Fuel Injection (TPI) RPO L98

Engine – Valve System

Hydraulic lifters (std., opt., NA)		Standard
Valves	Number intake / exhaust	8/8
	Head O.D. intake / exhaust	49.28 (1.94)/38.10 (1.50)

Engine – Connecting Rods

Material & mass [kg., (weight, lbs.)]*	1037 or 1038 steel - .388 (0.855)

Engine – Crankshaft

Material & mass [kg., (weight, lbs.)]*		Nodular cast iron - 23.360 (51.5)
End thrust taken by bearing (no.)		5
Number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Fluoroelastomer, one-piece, lip seal
	Rear	Fluoroelastomer, one-piece, lip seal

Engine – Lubrication System

Normal oil pressure [kPa (psi) at engine rpm]	485-585 (70-85) @ 2000
Type oil intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow (including engine oil cooler)
Capacity of c/case, less filter-refill-L (qt.)	4.5 (5.0)

Engine – Diesel Information

Diesel engine manufacturer		
Glow plug, current drain at 0°F		Not
Injector nozzle	Type	Applicable
	Opening pressure [kPa (psi)]	--
Pre-chamber design		--
Fuel injection pump	Manufacturer	--
	-Type	--
Fuel injection pump drive (belt, chain, gear)		--
Supplementary vacuum source (type)		--
Fuel heater (yes/no)		--
Water separator, description (std., opt.)		--
Turbo manufacturer		--
Oil cooler-type (oil to engine coolant; oil to ambient air)		--
Oil filter		--

Engine – Intake System

Turbo charger - manufacturer	Not
Super charger - manufacturer	Applicable
Charge cooler	--

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Engine Description/Carb. Engine Code: 2.8 Liter V6 (173 CID) (2.8 Multi-Port FI) RPO LB8

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Bottle, coolant recovery	
Radiator cap relief valve pressure [kPa (psi)]		103.4 (15)	
Circulation thermostat	Type (choke, bypass)	Bypass	
	Starts to open at °C (°F)	91°C (195°F)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	15.5	
	Number of pumps	One	
	Drive (V-belt, other)	V-belt	
	Bearing type	Sealed ball-roller	
	Impeller material	Cast Iron	
	Housing material	Aluminum	
By-pass recirculation [type (inter., ext.)]		Internal	
Cooling system capacity	With heater–L(qt.)	12.18(12.87)Auto, 12.28 (12.98)Man.	
	With air cond.–L(qt.)	12.20(12.89)Auto, 12.10 (12.79) Man.	
	Opt. equipment [specify–L(qt.)]	--	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Water jackets open at head face (yes, no)		No	
Radiator core	Std., A/C, HD	Std.	A/C
	Type (cross-flow, etc.)	Cross flow	
	Construction (fin & tube mechanical, braze, etc.)		
	Material, mass [kg (wgt. lbs.)]	Aluminum, high efficiency radiator	
	Width	599.5	599.5
	Height	437.8	437.8
	Thickness	23.5	23.5
	Fins per inch @	4.0	3.0
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Standard, Electric	
	Number of blades & type (flex, solid, material)	5, Plastic solid	
	Diameter & projected width	423.0 (16.7)	
	Ratio (fan to crankshaft rev.)	Not available	
	Fan cutout type	None	
	Drive type (direct, remote)	Belt	
	RPM at idle (elec.)	-	
	Motor rating (wattage) (elec.)	150	
	Motor switch (type & location) (elec.)	Part ECM	
	Switch point (temp., pressure) (elec.)	1900-2100	
	Fan shroud (material)	Plastic	

@ - Distance between top of fins

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Engine Description/Carb. Engine Code: 5.0 Liter V8 (305 CID) 4-Bbl. Carburetor RPO LG4

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)		Standard		
Coolant fill location (rad., bottle)		Bottle, coolant recovery		
Radiator cap relief valve pressure [kPa (psi)]		103.4 (15)		
Circulation thermostat	Type (choke, bypass)	Choke		
	Starts to open at °C (°F)	90.6°C (195°F)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump rpm	12 (Total cooling system flow)		
	Number of pumps	One		
	Drive (V-belt, other)	V-belt		
	Bearing type	Sealed double row ball		
	Impeller material	Steel		
	Housing material	Cast Iron		
By-pass recirculation [type (inter., ext.)]		Internal		
Cooling system capacity	With heater–L(qt.)	15.52 (16.40)		
	With air cond.–L(qt.)	15.90 (16.80)		
	Opt. equipment [specify–L(qt.)]	--		
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Water jackets open at head face (yes, no)		No		
Radiator core	Std., A/C, HD	Std.	A/C or HD	A/C & HD
	Type (cross-flow, etc.)	Cross flow		
	Construction (fin & tube mechanical, braze, etc.)			
	Material, mass [kg (wgt. lbs.)]	Aluminum, high efficiency radiator		
	Width	667.5	667.5	
	Height	437.0	437.0	
	Thickness	23.5	23.5	
	Fins per inch @	*	2.5	
Radiator end tank material				
Fan	Std., elec., opt.	Std.	Opt.	
	Number of blades & type (flex, solid, material)	5, Plastic, solid	5, Plastic, solid	
	Diameter & projected width	423.0(16.7)	423.0(16.7)	
	Ratio (fan to crankshaft rev.)	1.08:1	.95:1	
	Fan cutout type	Clutch	Clutch	
	Drive type (direct, remote)	Belt	Belt	
	RPM at idle (elec.)	-	-	
	Motor rating (wattage) (elec.)	150		
	Motor switch (type & location) (elec.)	Temp Switch engine cylinder head		
	Switch point (temp., pressure) (elec.)	1900-2100		
	Fan shroud (material)	Plastic	Plastic	

@ - Distance between top of fins
* - 4.0 with manual trans.
3.5 with auto. trans.

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code	5.0 Liter V8 (305 CID) Tuned Port Fuel Injection RPO LB9	5.7 Liter V8 (350 CID) Tuned Port Fuel Injection RPO L98

Engine – Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad., bottle)		Bottle, coolant recovery	
Radiator cap relief valve pressure [kPa (psi)]		103.4 (15)	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open at °C (°F)	90.6°C (195°F)	
Water pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	12 (Total cooling system flow)	
	Number of pumps	One	
	Drive (V-belt, other)	V-belt	
	Bearing type	Sealed double row ball	
	Impeller material	Steel	
	Housing material	Cast Iron	
By-pass recirculation [type (inter., ext.)]		Internal	
Cooling system capacity	With heater–L(qt.)	16.78 (17.7)	
	With air cond.–L(qt.)	16.28 (17.2)	
	Opt. equipment [specify–L(qt.)]	--	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		Yes	
Water jackets open at head face (yes, no)		No	
Radiator core	Std., A/C, HD	Std.	
	Type (cross-flow, etc.)	Cross flow	
	Construction (fin & tube mechanical, braze, etc.)		
	Material, mass [kg (wgt. lbs.)]	aluminum, high efficiency radiator	
	Width	667.5	
	Height	437.0	
	Thickness	34.0	
	Fins per inch @	2.5	
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Std.	A/C
	Number of blades & type (flex, solid, material)	5, plastic, solid	
	Diameter & projected width	423.0 (16.7)- 2 Fans	318.0 (12.5 - 2 Fans
	Ratio (fan to crankshaft rev.)	--	
	Fan cutout type	--	
	Drive type (direct, remote)	--	
	RPM at idle (elec.)	--	
	Motor rating (wattage) (elec.)	150 RT & LT	
	Motor switch (type & location) (elec.)	Temp. switch engine cylinder head	
	Switch point (temp., pressure) (elec.)	2100-2200 RT & LT	
	Fan shroud (material)	Plastic	Plastic

@ - Distance between top of fins

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (e) 11-86

Engine Description/Carb. Engine Code	2.8 Liter V6 (173 CID) (2.8 Multi-Port FI) RPO LB8

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
Manufacturer			--
Carburetor	Choke (type)		None
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	"
			"
		Automatic	"
			"
Idle A/F mix.			Preset-no adjust. provided
Fuel injection	Point of injection (no.)		Fuel injectors at inlet ports
	Constant, pulse, flow		Pulse
	Control (electronic, mech.)		ECM
	System pressure [kPa (psi)]		300 (45)
Intake manifold heat control (exhaust or water thermostatic or fixed)			Water
Air cleaner type	Standard		Dual Elements
	Optional		--
Fuel pump	Type (elec. or mech.)		Electric
	Location (eng., tank)		Fuel Tank
	Pressure range [kPa (psi)]		350 (50.8)

Fuel Tank

Capacity [refill L (gallons)]		58.7 (15.5)
Location (describe)		Rear center
Attachment		Underbody strap
Material & Mass [kg (weight lbs)]		Steel 8.579 (18.9)
Filler pipe	Location & material	Left rear quarter
	Connection to tank	Solder
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Available
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	Not Available
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (e) 11-86

Engine Description/Carb. Engine Code

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
Manufacturer			Rochester Quadrajet
Carburetor	Choke (type)		Electric
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	700 RPM - Neutral
			--
		Automatic	500 RPM - Drive
			--
Idle A/F mix.			Preset-no adjustment provided
Fuel injection	Point of injection (no.)		Not applicable
	Constant, pulse, flow		--
	Control (electronic, mech.)		--
	System pressure [kPa (psi)]		--
Intake manifold heat control (exhaust or water thermostatic or fixed)			Exhaust
Air cleaner type	Standard		Replaceable element, single snorkel
	Optional		None
Fuel pump	Type (elec. or mech.)		Electric
	Location (eng., tank)		In fuel tank
	Pressure range [kPa (psi)]		14.5-31.0 (2.1-4.5)

Fuel Tank

Capacity [refill L (gallons)]		58.7 (15.5)
Location (describe)		Rear center
Attachment		Underbody strap
Material & Mass [kg (weight lbs)]		Steel 8.765 (19.3)
Filler pipe	Location & material	Left rear quarter
	Connection to tank	Solder
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Available
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	"
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (●) 11-86

Engine Description/Carb. Engine Code: 5.0 Liter V8 (305 CID) (Tuned Port Fuel Injection) RPO LB9

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
Manufacturer			--
Carburetor	Choke (type)		None
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	"
			"
		Automatic	"
			"
Idle A F mix.			Preset-no adjustment provided
Fuel injection	Point of injection (no.)		Fuel Injection at inlet ports
	Constant, pulse, flow		Pulse
	Control (electronic, mech.)		ECM
	System pressure [kPa (psi)]		300 (44)
Intake manifold heat control (exhaust or water thermostatic or fixed)			Not Applicable
Air cleaner type	Standard		Replaceable dual elements
	Optional		--
Fuel pump	Type (elec. or mech.)		Electric
	Location (eng., tank)		Fuel Tank
	Pressure range [kPa (psi)]		350 (50.8)

Fuel Tank

Capacity [refill L (gallons)]		58.7 (15.5)
Location (describe)		Rear center
Attachment		Underbody strap
Material & Mass [kg (weight lbs)]		Steel 8.579 (18.9)
Filler pipe	Location & material	Left rear quarter
	Connection to tank	Solder
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Available
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	"
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (●) 11-86

Engine Description/Carb. Engine Code

5.7 Liter V8 (350 CID)
Tuned Port Fuel Injection (TPI)
RPO L98

Engine – Fuel System

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

Induction type: carburetor, fuel injection system, etc.			TPI - Tuned Port Fuel Injection
Manufacturer			--
Carburetor	Choke (type)		--
	Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	--
			--
		Automatic	--
			--
Idle A/F mix.			Preset - no adjustment provided
Fuel injection	Point of injection (no.)		Fuel injectors at inlet ports
	Constant, pulse, flow		Pulse
	Control (electronic, mech.)		Electronic - on board computer
	System pressure [kPa (psi)]		255 (37)
Intake manifold heat control (exhaust or water thermostatic or fixed)			Water, thermostat
Air cleaner type	Standard		Replaceable paper dual element
	Optional		--
Fuel pump	Type (elec. or mech.)		Electric
	Location (eng., tank)		In fuel tank
	Pressure range [kPa (psi)]		350 (50.8)

Fuel Tank

Capacity [refill L (gallons)]		58.7 (15.5)
Location (describe)		Rear center
Attachment		Underbody strap
Material & Mass [kg (weight lbs)]		Steel 8.579 (18.9)
Filler pipe	Location & material	Left rear quarter
	Connection to tank	Solder
Fuel line (material)		Steel
Fuel hose (material)		Rubber
Return line (material)		Steel
Vapor line (material)		Steel
Extended range tank	Opt., n.a.	Not Available
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
Auxiliary tank	Opt., n.a.	"
	Capacity [L (gallons)]	"
	Location & material	"
	Attachment	"
	Selector switch or valve	"
	Separate fill	"

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code

2.8 Liter V6 (173 CID)
(2.8 Multi Port FI)
RPO LB8

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Computer Command Control
	Air Injection	Pump or pulse	Pump - manual transmission only
		Driven by	Belt
		Air distribution (head, manifold, etc.)	Exhaust Manifold
		Point of entry	Exhaust Manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Back Pressure Modulated Controlled Flow
		Exhaust source	Manifold Exhaust Crossover
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold
	Catalytic Converter	Type	Single Bed, Oxidizing & Reducing
		Number of	One
		Location(s)	Beneath RF Underbody
		Volume [L (in³)]	2.782 (170)
		Substrate type	Monolith
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges (to intake manifold, other)		Inlet Manifold
	Air inlet (breather cap, other)		Air Inlet Duct
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	--
	Vapor storage provision		Canister
Electronic system	Closed loop (yes no)		Yes
	Open loop (yes/no)		No

Engine – Exhaust System

	Type (single, single with cross-over, dual, other)		Single with dual tailpipes
**	Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]		One, reverse flow
	Resonator no. & type		None
	Exhaust pipe	Branch o.d., wall thickness	*(See below)
		Main o.d., wall thickness	@(See below)
		Material & Mass [kg (weight lbs)]	Stainless Steel
**	Intermediate pipe	o.d. & wall thickness	63.5 X 1.58 (2.5 X 0.06)
		Material & Mass [kg (weight lbs)]	Aluminum coated steel
♦	Tail pipe	o.d. & wall thickness	57.15 x 1.09 (2.25 x 0.04)
		Material & Mass [kg (weight lbs)]	Aluminum coated steel

* Outer Pipe 57.15 X 1.02 (2.25 x 0.04), Inner Pipe 50.08x0.086(2.0x0.003)*
(2.5 (0.1) air gap between pipes).
@ Outer Pipe 63.5 X 1.02 (2.5 x 0.04), Inner Pipe 57.15 x 0.086 (2.25 x 0.003)
(2.15 (0.08) air gap between pipes.
**Muffler & Tail Pipe Unit 7.620 (16.8)

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code

5.0 Liter V8 (305 CID)
4-Bbl. Carburetor
RPO LG4

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection with Computer Command Control
	Air Injection	Pump or pulse	Vane Pump
		Driven by	V-belt
		Air distribution (head, manifold, etc.)	Exhaust Manifold & Catalytic Converter
		Point of entry	Exhaust Manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Back Pressure Modulated
		Exhaust source	Manifold Exhaust Crossover
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold
	Catalytic Converter	Type	Dual Bed, Oxidizing & Reducing
		Number of	One
		Location(s)	Beneath RF Underbody
		Volume [L (in³)]	2.786 (170)
		Substrate type	Monolith
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges (to intake manifold, other)		Carburetor
	Air inlet (breather cap, other)		Air Cleaner
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	Canister
	Vapor storage provision		Canister
Electronic system	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine – Exhaust System

Type (single, single with cross-over, dual, other)		Single with dual tailpipes
* Muffler no. & type (reverse flow, straight thru, separate resonator) Material & Mass [kg (weight lbs)]		One, reverse flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	(a)
	Main o.d., wall thickness	(b)
	Material & Mass [kg (weight lbs)]	(See Notes) 5.069 (11.2)
* Intermediate pipe	o.d. & wall thickness	57.15 x 1.14 (2.25 x .045)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel
* Tail pipe	o.d. & wall thickness	63.5 X 1.07 (2.5 X 0.042)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel

(a) Left hand branch - Stainless steel; outer 57.15 X 1.02 (2.25 x 0.04), inner 50.8 X 0.86 (2.0 X 0.003) with 2.155 (0.085) air gap between pipes.
Right hand branch - Laminated; stainless steel outer tube, 50.8 X 0.86 (2.0x0.003), with steel inner tube.

(b) Stainless steel; outer 63.5 X 1.02 (2.5 x 0.04), inner 57.15 X 0.86 (2.25x0.003) with 2.155 (0.085 air gap between pipes.)

* Muffler & tail pipe unit 8.732 (19.3)

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code	5.0 Liter V8 (305 CID) (Tuned Port Fuel Injection) RPO LB9	5.7 Liter V8 (350 CID) (Tuned Port Fuel Injection) RPO L98

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection with Computer Command Control
	Air Injection	Pump or pulse	Air pump
		Driven by	Belt
		Air distribution (head, manifold, etc.)	Exhaust manifold and catalytic converter
		Point of entry	Exhaust manifold
	Exhaust Gas Recirculation	Type (controlled flow, open orifice, other)	Back Pressure Modulated Controlled Flow
		Exhaust source	Manifold
		Point of exhaust injection (spacer, carburetor, manifold, other)	Inlet Manifold
	Catalytic Converter	Type	Dual Bed, Oxidizing & Reducing
		Number of	One
		Location(s)	Beneath RF Underbody
		Volume [L (in³)]	2.78 (170)
		Substrate type	Monolith
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		Induction System
	Energy source (manifold vacuum, carburetor, other)		Manifold Vacuum
	Discharges (to intake manifold, other)		Intake Manifold
	Air inlet (breather cap, other)		Throttle Body
Evaporative Emission Control	Vapor vented to (crankcase, canister, other)	Fuel tank	Canister
		Carburetor	--
	Vapor storage provision		Canister
Electronic system	Closed loop (yes no)		Yes
	Open loop (yes no)		No

Engine – Exhaust System

Type (single, single with cross-over, dual, other)		Single with dual tailpipes
Muffler no. & type (reverse flow, straight thru, *separate resonator) Material & Mass [kg (weight lbs)]		One, reverse flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	(a)
	Main o.d., wall thickness	(b)
	Material & Mass [kg (weight lbs)]	(See Notes) 6.124 (13.5)
*Intermediate pipe	o.d. & wall thickness	69.85 x 1.40 (2.75 x 0.05)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel
*Tail pipe	o.d. & wall thickness	63.5 x 1.07 (2.25 x .04)
	Material & Mass [kg (weight lbs)]	Aluminum coated steel

(a) Laminated - Stainless steel outer pipe, 63.5 x 1.016 (2.5 x 0.04), steel inner pipe.
(b) Laminated - Stainless steel outer pipe, 76.2 x 1.016 (3.0 x 0.04), steel inner pipe.
* Muffler & tail pipe unit 8.845 (19.5).

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description Carb. Engine Code	2.8 Liter V6 (173 CID) (2.8 Multi Port FI) RPO LB8

Transmission Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	Not Available
Manual 4-speed (std., opt., n.a.) (mfr.)	"
Manual 5-speed (std., opt., n.a.) (mfr.)	Standard
Manual overdrive (std., opt., n.a.) (mfr.)	Not Available
Automatic (std., opt., n.a.) (mfr.)	Not Available
Automatic overdrive (std., opt., n.a.) (mfr.)	Optional

Manual Transmission Transaxle

Number of forward speeds		5
Transmission ratios	In first	4.03
	In second	2.37
	In third	1.50
	In fourth	1.00
	In fifth	0.76
	In overdrive	--
	In reverse	3.76
Synchronous meshing (specify gears)		All forward gears
Shift lever location		Floor
Lubricant	Capacity [L (pt.)]	3.25L (6.87 pts.)
	Type recommended	Dextron IT
	SAE viscosity number — Summer	"
	SAE viscosity number — Winter	"
	SAE viscosity number — Extreme cold	"

Clutch (Manual Transmission)

Make, type, engagement (describe) – (hydraulic, cable, rod)		Belleville, Dry disc
Assist (yes, no percent)		No
Type pressure plate springs		Diaphragm
Total spring load [N (lb.)]		5750 (1293)
No. of clutch driven discs		One
Clutch facing	Material	Non-asbestos
	Manufacturer	Valeo
	Part number	F-202
	Rivets plate	16
	Rivet size	5.41 x 3.63 (0.213 x 0.143)
	Outside & inside dia.	232.0 x 155.0 (9.125 x 6.125)
	Total eff. area [cm^2 ($in.^2$)]	234.0 (36.28
	Thickness	7.2)0.283)
	Engagement cushion method	Driven plate wave spoke springs
Release bearing	Type & method of lubrication	Self centering, angular contact ball bearing pre-packed and sealed
Torsional damping	Method: springs, friction material	Coil springs with non-metal friction control

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description Carb. Engine Code	5.0 Liter V8 (305 CID) 4-Bbl. Carburetor RPO LG4

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	Not Available
Manual 4-speed (std., opt., n.a.) (mfr.)	"
Manual 5-speed (std., opt., n.a.) (mfr.)	Standard (Not Available on LT)
Manual overdrive (std., opt., n.a.) (mfr.)	Not Available
Automatic (std., opt., n.a.) (mfr.)	"
Automatic overdrive (std., opt., n.a.) (mfr.)	Optional

Manual Transmission/Transaxle

Number of forward speeds			5
Transmission ratios	In first		2.95
	In second		1.94
	In third		1.34
	In fourth		1.00
	In fifth		0.63
	In overdrive		--
	In reverse		2.76
Synchronous meshing (specify gears)			All forward gears
Shift lever location			Floor
Lubricant	Capacity [L (pt.)]		3.25L (6.87 pts.)
	Type recommended		Dexron II
	SAE viscosity number	Summer	"
		Winter	"
		Extreme cold	"

Clutch (Manual Transmission)

Make, type, engagement (describe) – (hydraulic, cable, rod)		Belleville, dry disc, Hydraulic
Assist (yes, no percent)		No
Type pressure plate springs		Diaphragm
Total spring load [N (lb.)]		7750 (1742)
No. of clutch driven discs		One
Clutch facing	Material	Non-asbestos
	Manufacturer	Valeo
	Part number	F-202
	Rivets plate	18
	Rivet size	5.41 x 3.63 (0.213 x 0.143)
	Outside & inside dia.	254.0 x 165.0 (10.0 x 6.5)
	Total eff. area [cm^2 ($in.^2$)]	293.0 (45.43)
	Thickness	7.7 (0.303)
	Engagement cushion method	Driven plate wave spoke springs
Release bearing	Type & method of lubrication	Self centering, angular contact ball bearing pre-packed and sealed
Torsional damping	Method: springs, friction material	Coil springs with non-metal friction control

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (e) 1-87

Engine Description Carb. Engine Code	5.0 Liter V8 (305 CID) (Tuned Port Fuel Injection) RPO LB9

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	Not Available
Manual 4-speed (std., opt., n.a.) (mfr.)	" "
Manual 5-speed (std., opt., n.a.) (mfr.)	Standard
Manual overdrive (std., opt., n.a.) (mfr.)	"
Automatic (std., opt., n.a.) (mfr.)	"
Automatic overdrive (std., opt., n.a.) (mfr.)	Optional

Manual Transmission/Transaxle

Number of forward speeds			5	5
Transmission ratios	In first		2.95	2.95
	In second		1.94	1.94
	In third		1.34	1.34
	In fourth		1.00	1.00
	In fifth		0.63	.74
	In overdrive		--	--
	In reverse		2.76	2.76
Synchronous meshing (specify gears)			All forward gears	All forward
Shift lever location			Floor	Floor
Lubricant	Capacity [L (pt.)]		3.25L (6.87 pts.)	3.25L
	Type recommended		Dexron II 5W-30?	5W-30?
	SAE viscosity number	Summer	"	
		Winter	"	
		Extreme cold	"	

Clutch (Manual Transmission)

Make, type, engagement (describe) – (hydraulic, cable, rod)		Belleville, dry disc, Hydraulic
Assist (yes, no percent)		No
Type pressure plate springs		Diaphragm
Total spring load [N (lb.)]		7750 (1742)
No. of clutch driven discs		One
Clutch facing	Material	Non-asbestos
	Manufacturer	Valeo
	Part number	F-202
	Rivets plate	18
	Rivet size	5.41 x 3.63 (0.213 x 0.143)
	Outside & inside dia.	267 x 165.0 (10.5 x 6.5)
	Total eff. area [cm^2 ($in.^2$)]	346.0 (53.6)
	Thickness	7.7 (0.303)
	Engagement cushion method	Driven plate wave spoke springs
Release bearing	Type & method of lubrication	Self centering, angular contact ball bearing pre-packed and sealed
Torsional damping	Method: springs, friction material	Coil springs with non-metal friction control

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb.
Engine Code

5.7 Liter V8 (350 CID)
Tuned Port Fuel Injection (TPI)
RPO L98

Transmissions/Transaxle

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

Manual Transmission Transaxle

Number of forward speeds			Not Available
Transmission ratios	In first		" "
	In second		" "
	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	" "

Clutch (Manual Transmission)

Make, type, engagement (describe) – (hydraulic, cable, rod)		Not Available
Assist (yes, no percent)		
Type pressure plate springs		" "
Total spring load [N (lb.)]		" "
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	" "

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METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code	2.8 Liter V6 (173 CID) (2.8 Multi Port FI) RPO LB8

Automatic Transmission/Transaxle

Trade name		4-speed automatic
Type and special features (describe)		Torque converter with clutch 700-R4
Selector	Location	On floor console
	Ltr. No. designation	P-R-N- D -D-2-1
Gear ratios	1st	3.06
	2nd	1.63
	3rd	1.00*
	4th	0.70*
	Reverse	2.29
Max. upshift speed - drive range [km/h (mph)]		1-2=61(38), 2-3=111(69)
Max. kickdown speed - drive range [km/h (mph)]		3-2=105(65), 2-1=50(31)
Min. overdrive speed [km/h (mph)]		72(45)
Torque converter	Number of elements	3
	Max. ratio at stall	2.35
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245 (9.65)
Lubricant	Capacity [refill L (pt.)]	4.5L (9.5 pts.)
	Type Recommended	GM Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard, integral with radiator

*Torque converter clutch in 3rd & 4th gears.

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-floating axle, overhung hypoid driven pinion and ring gear
Limited slip differential (type)			Not Available
Drive pinion offset			1.50
Drive pinion (type)			Hypoid gear
No. of differential pinions			Two
Pinion / differential adjustment (shim, other)			Shim
Pinion / differential bearing adjustment (shim, other)			Collapsible spacer
Driving wheel bearing (type)			Roller bearing
Lubricant	Capacity [L (pt.)]		1.66
	Type recommended		GL5 gear lube
	SAE viscosity number	Summer	80W or 80W-90 GL-5
		Winter	80W or 80W-90 GL-5
		Extreme cold	80W GL-5

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

Axle ratio (or overall top gear ratio)		3.42
No. of teeth	Pinion	41
	Ring gear or gear	12
Ring gear o.d.		194 (7.625)
Transaxle	Transfer gear ratio	Not Applicable
	Final drive ratio	" "

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Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (●) 11-86

Engine Description/Carb. Engine Code

5.0 Liter V8 (305 CID)
4-Bbl. Carburetor
RPO LG4

Automatic Transmission/Transaxle

Trade name		4-speed automatic
Type and special features (describe)		Torque converter with clutch 700-R4
Selector	Location	On floor console
	Ltr. No. designation	P-R-N- D -D-2-1
Gear ratios	1st	3.06
	2nd	1.63*
	3rd	1.00*
	4th	0.70*
	Reverse	2.29
Max. upshift speed - drive range [km/h (mph)]		1-2=59(37), 2-3=113(70)
Max. kickdown speed - drive range [km/h (mph)]		3-2=106(66), 2-1=42(26)
Min. overdrive speed [km/h (mph)]		58(36)
Torque converter	Number of elements	3
	Max. ratio at stall	1.91
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
Lubricant	Capacity (refill L (pt.))	4.5L (9.5 pts.)
	Type Recommended	GM Dexron II
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard integral with radiator

*Torque converter clutch in 2nd, 3rd & 4th gears.

Axle or Front Wheel Drive Unit

Type (front, rear)			Rear
Description			Semi-floating axle, overhung hypoid driven pinion and ring gear
Limited slip differential (type)			Not Available
Drive pinion offset			1.50
Drive pinion (type)			Hypoid gear
No. of differential pinions			Two
Pinion - differential adjustment (shim, other)			Shim
Pinion - differential bearing adjustment (shim, other)			Collapsible spacer
Driving wheel bearing (type)			Straight roller bearing
Lubricant	Capacity [L (pt.)]		1.66
	Type recommended		GL5 gear lube
	SAE viscosity number	Summer	80W or 80W-90 GL-5
		Winter	80W or 80W-90 GL-5
		Extreme cold	80W GL-5

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

		Manual Transmission	Auto. Trans.
Axle ratio (or overall top gear ratio)		3.23	2.73
No. of teeth	Pinion	42	41
	Ring gear or gear	13	15
Ring gear o.d.		194 (7-5/8)	194 (7.625)
Transaxle	Transfer gear ratio	Not Applicable	
	Final drive ratio	"	"

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METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code	5.0 Liter V8 (305 CID) (Tuned Port Fuel Injection) RPO LB9	5.7 Liter V8 (350 CID) (Tuned Port Fuel Injection) RPO L98

Automatic Transmission/Transaxle

Trade name		4-speed automatic	
Type and special features (describe)		Torque converter with clutch 700-R4	
Selector	Location	On floor console	
	Ltr. No. designation	P-R-N- D -D-2-1	
Gear ratios	1st	3.06	
	2nd	1.63*	
	3rd	1.00*	
	4th	0.70*	
	Reverse	2.29	
Max. upshift speed - drive range [km h (mph)]		1-2=66(41), 2-3=122(76)	1-2=55(34), 2-3=105(65)
Max. kickdown speed - drive range [km h (mph)]		3-2=116(72), 2-1=55(34)	3-2=88(55), 2-1=32(20)
Min. overdrive speed [km/h (mph)]		66(41)	58 (36)
Torque converter	Number of elements	3	
	Max. ratio at stall	2.15	1.91
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	298 (11.75)	
Lubricant	Capacity [refill L (pt.)]	4.5L (9.5 pts.)	
	Type Recommended	GM Dexron II	
Oil cooler (std., opt., NA, internal, external, air, liquid)		Standard integral with radiator	

*Torque converter clutch in 2nd, 3rd & 4th gears.

Axle or Front Wheel Drive Unit

Type (front, rear)		Rear	
Description		Semi-floating axle, overhung hypoid driven pinion and ring gear	
Limited slip differential (type)		Cone clutch	
Drive pinion offset		1.50	
Drive pinion (type)		Hypoid gear	
No. of differential pinions		Two*, Four@	
Pinion / differential adjustment (shim, other)		Shim	
Pinion / differential bearing adjustment (shim, other)		Collapsible spacer	
Driving wheel bearing (type)		Straight roller bearing*, tapered roller bearing @	
Lubricant	Capacity [L (pt.)]	1.66	
	Type recommended	GL5 gear lube	
	SAE viscosity number — Summer	80W or 80W-90 GL-5	
	SAE viscosity number — Winter	80W or 80W-90 GL-5	
	SAE viscosity number — Extreme cold	80W GL-5	

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

Axle ratio (or overall top gear ratio)		3.23	3.08	2.73	3.45
No. of teeth	Pinion	42	40	41	38
	Ring gear or gear	13	13	15	11
Ring gear o.d.		194 (7.625)			197 (7.75)
Transaxle	Transfer gear ratio	Not Applicable			
	Final drive ratio	" "			

* 2.73 and 3.23 axles.

@ 3.27 and 3.45 axles.

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METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code	2.8L V6 173CID PFI RPO LB8	5.0L V8 305CID 4-Bbl. Carb. RPO LG4	5.0L V8 305CID PFI RPO LB9	5.7L V8 350CID PFI RPO L98

Propeller Shaft – Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Straight Tube - Internal damper
Outer diam. x length* x wall thickness	Manual 3-speed trans.		Not Available
	Manual 4-speed trans.		" "
	Manual 5-speed trans.		63.5 x 1057 x 1.65 mm (2.5 x 41.6 x .065 in.)
	Overdrive		Not Available
	Automatic transmission		63.5 x 1057 x 1.65 mm (2.5 x 41.6 x .065 in.)
Inter-mediate bearing	Type (plain, anti-friction)		None
	Lubrication (fitting, prepack)		"
Slip yoke	Type		Splined
	Number of teeth		27
	Spline o.d.		29.84 mm (1.174 in.)
Universal joints	Make and mfg. no.	Front	Saginaw size 44
		Rear	Saginaw size 44
	Number used		Two
	Type (ball and trunnion, cross)		Cross
	Rear attach (u-bolt, clamp, etc.)		Strap and bolts
	Bearing – Type (plain, anti-friction)		Anti-friction
	Bearing – Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Torque Arm
Torque taken through (torque tube, arms or springs)			Torque Arm

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

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Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (●) 11-86

Body Type And/Or Engine Displacement	2-Door Hatchback Coupe

Suspension – General

Car leveling	Std. opt. n.a.	Not available
	Type (air, hyd., etc.)	Not available
	Manual auto. controlled	Not available
Provision for brake dip control		Front suspension geometry
Provision for accl. squat control		Rear suspension geometry
Provisions for car jacking		Jacking provisions on rocker panels
Shock absorber (front & rear)	Type	Direct double-acting hydraulic (a)
	Make	Delco
	Piston diameter	54mm (2.125 in) front; 25 (1.0) rear
	Rod diameter	25mm (1.0 in)front;13.49mm(0.53)rear

(a)-Delco Bilstein rear shock absorbers on IROC-Z

Suspension – Front

Type and description		Independent w/coil springs, Modified MacPherson strut.
Travel	Full jounce	75.0 mm (2.95 in)
	Full rebound	104.0 mm (4.09 in)
Spring	Type (coil, leaf, other) & material	Coil
	Insulators (type & material)	Alloy steel
	Size (coil design height & i.d., bar length x dia.)	260 x 103.0; 2490 x 15 mm, base (10.2 x 4.06; 98 x .59 in)
	Spring rate [N mm (lb. in.)]	Sport Coupe & LT 64.0 (365.0), Z28 & Iroc 96.0 (548.0)
	Rate at wheel [N mm (lb. in.)]	Sport Coupe & LT 17.7 (101.0), Z28 & Iroc 25.6 (146.0)
Stabilizer	Type (link, linkless, frameless)	Link
	Material & bar diameter	Steel 30mm (1.2 in) Steel 34mm (1.3 in)

Suspension – Rear

Type and description			Salisbury axle w/torque arm, LCA, track bar, coil springs
Travel	Full jounce		87.0 mm (3.4)
	Full rebound		118.0 mm (4.6)
Spring	Type (coil, leaf, other) & material		Coil, Alloy steel
	Size (length x width, coil design height & i.d., bar length & dia.)		254.0 x 102.6; 2709 x 12.0 (10 x 4.03; 27.9 x .472 in)
	Spring rate [N mm (lb. in.)]		18.0 (103.0) Spt. Cpe. & LT, Z28-23.0 (131.5)
	Rate at wheel [N mm (lb. in.)]		22.7 (130.0) Spt. Cpe. & LT, Z28-29.0 (165.4)
	Insulators (type & material)		Rubber isolated
	If leaf	No. of leaves	Not Applicable
		Shackle (comp. or tens.)	"
Stabilizer	Type (link, linkless, frameless)		Link
	Material & bar diameter		18mm (007 in) 23mm(0.9 in)*
Track bar (type)			HAT section w/rubber bushings

* IROC-Z 23mm (0.9 in)

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Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Body Type And Or Engine Displacement	2-DOOR HATCHBACK COUPES	
	1FP87	Z28

Brakes - Service

Description				Single caliper disc front, duo-servo drum rear disc optional front/rear
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			Disc
	Rear (disc or drum)			Drum; disc optional for Z28 & IROC
Self-adjusting (std., opt., n.a.)				Standard
Special valving	Type (proportion, delay, metering, other)			Remote metering and proportioning, front/rear split
Power brake (std., opt., n.a.)				Standard
Booster type (remote, integral, vac., hyd., etc.)				200 mm (7.87 in) Tandem Vacuum
Vacuum source (inline, pump, etc.)				Engine
Vacuum reservoir (volume in.³)				None
Vacuum pump-type (elec. gear driven, belt driven, if other so state)				"
Anti-lock device type (std., opt., n.a.) (F R)				Not Available
Effective area [cm²(in.²)]*				615.5 (95.4) total
Gross lining area [cm²(in.²)]**(F R)				691.6 (107.2) total
Swept area [cm²(in.²)]***(F R)				1985.1 (307.7) total
Rotor	Outerworking diameter		F R	F/267 mm (10.5), R/267 mm (10.5)
	Inner working diameter		F R	F/171.5 mm (6.75), R/171.5 mm (6.75)
	Thickness		F R	F/26.2 mm (1.03), R/26.2 mm (1.03)
	Material & type (vented solid)		F R	Cast iron, vented F/R
Drum	Diameter & width		F R	241.0 mm (9.5), 50.8 mm (2.0)
	Type and material		F R	Cast iron finned (aluminum for selected applications)
Wheel cylinder bore			F/R	F/64 mm (2.5); R/19 mm (0.75) drum; 48.0 mm (1.9) disc
Master cylinder	Bore stroke		F R	Bore: 24.0 mm (0.94) disc/drum; 25.4 mm (1.0) disc/disc
Pedal arc ratio				3.25:1
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]				--
Lining clearance			F R	Self-adjusting / 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*****			DM8034
	Material			Semi-metallic
	****	Primary or out-board		125.0 x 48.4 x 11.04 mm (4.92 x 1.91 x 0.435)
	Size	Secondary or in-board		125.0 x 48.4 x 10.55 mm (4.92 x 1.91 x 0.415)
	Shoe thickness (no lining)			OB/3.42 mm (0.135); IB 4.85 mm (0.191)
Brake lining — Rear wheel	Bonded or riveted (rivets seg.)			Riveted 10 primary, 12 secondary drum; riveted, 8-disc
	Manufacturer			Inland / Delco Moraine
	Lining Code*****			IN 4035/4050 / DM 5470
	Material			Non-asbestos
	****	Primary or out-board		192.5 x 50.8 x 4.98mm (7.58 x 2.0 x 0.196) / (a)
	Size	Secondary or in-board		249.6 x 50.8 x 6.75mm (9.83 x 2.0 x 0.266) / (b)
	Shoe thickness (no lining)			Drum 1.98mm(0.078);disc OB/3.42mm(0.135),IB/4.85mm(0.191)

*Excludes rivet holes.grooves, chamfers, etc.
**Includes rivet holes, grooves, chamfers, etc.
***Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.
(Disc brake: Square of Outer Working Dia.minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
****Size for drum brakes includes length x width x thickness.
*****Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

(a) 125.0 x 48.4 x 11.04mm (492 x 1.91 x 0.435)
(b) 125.0 x 48.4 x 10.55 (4.92 x 1.91 x 0.415)

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Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Body Type And/Or Engine Displacement	Sport Coupe Base	LT LB8 Engine	LT LG4 Engine

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P215/65R-15BL(+)	P205/70R-14 BL	P195/70R-14BL(+)
	Type (bias, radial, etc.)		Steel belted radials		
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	205 (30)		
		Rear [kPa (psi)]	205 (30)		
	Rev./mile–at 70 km/h (45 mph)		508	511	
Wheels	Type & material		Full styled disc, steel	Short spoke disc, steel (a)	
	Rim (size & flange type)		15 x 7	14 x 7	
	Wheel offset		8.0 (.315)	8.0 (.315)	8.0 (.315)
	Attachment	Type (bolt or stud)	Stud		
		Circle diameter	120.7 (4.75)		
		Number & size	5-M12 x 1.5 - 6H-thd. (metric)		
Spare	Tire and wheel (same, if other describe)		15 x 4; T125/70D15, Bias Ply, Nylon (Temporary type)		
	Storage position & location (describe)		Vertically adjacent to R.H. quarter panel		

(+) - Non "All Season" Tires.

Tires And Wheels (Optional)

Size (load range, ply)			P205/70R14 WS*
Type (bias, radial, etc.)			Steel belted radial
Wheel (type & material)			Cast aluminum
Rim (size, flange type and offset)			14 x 7 8.0 (.315)
Size (load range, ply)	P215/65R-15 OWL(+)		P195/70R14 BL(+)
Type (bias, radial, etc.)	Steel belted radial		Steel belted radial
Wheel (type & material)	Full styled disc, steel		
Rim (size, flange type and offset)	15 x 7 8.0 (.315)		
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 location & storage position)	Tire-Base - T125/70D15 without positraction with 15 x 4 wheel P195/75D14 with positraction with 14 x 5 wheel		

*All seasons mud and snow, 4th generation GM TPC tires.

Brakes – Parking

Type of control		Grip handle control
Location of control		Right side of floor console
Operates on		Rear service brakes
If separate from service brakes	Type (internal or external)	
	Drum diameter	
	Lining size (length x width x thickness)	

(a) Full styled disc-steel

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METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Body Type And/Or Engine Displacement	IFP87 WITH (RPO Z28)	IFP87/Z28/B4Z (IROC-Z)

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P215/65R-15BL & OWL (a)(+)	P245/50 VR 16 BL* (+)
	Type (bias, radial, etc.)		Steel belted radials	
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)	205 (30)
		Rear [kPa (psi)]	240 (35)	205 (30)
	Rev./mile–at 70 km/h (45 mph)		498	
Wheels	Type & material		Cast Aluminum	
	Rim (size & flange type)		15 x 7	16 x 8
	Wheel offset		8.0 (.315)	Front 0, Rear 20 (.787)
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	120.7 (4.75)	
		Number & size	5-M12 x 1.5 - 6H-thd. (metric)	
Spare	Tire and wheel (same, if other describe)		Z28-15x4'T125/70D15,Bias Ply,Nylon(Temporary type)415(60) IROC-Z-15x5;P195/75D/14,Bias Ply,Nylon (Inflatable) 240(35)	
	Storage position & location (describe)		Vertically adjacent to R.H. quarter panel	

*Directional Tread. (+) - Non "All Season" tires.

Tires And Wheels (Optional)

Size (load range, ply)	P235/60 VR-15 BL (b) (+)	
Type (bias, radial, etc.)	Steel belted radial	
Wheel (type & material)	Cast aluminum	
Rim (size, flange type and offset)	15 x 7, 8.0 (.315)	
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 location & storage position		

Brakes – Parking

(a) used with base LG4 & LB9 V8. (b) with opt. L98 V8.

Type of control		Grip handle control
Location of control		Right side of floor console
Operates on		Rear service brakes
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 CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Body Type And/Or Engine Displacement	2-DOOR HATCHBACK COUPES		
	1FP87	1FP87/B4E	Z28

Steering

Manual (std., opt., n.a.)					Not Available		
Power (std., opt., n.a.)					Standard		
Adjustable steering wheel column (tilt, telescope, other)		Type			Tilt-universally. jointed strg shaft at base of strg whl-6 posn		
		Manufacturer					
		(Std., opt., n.a.)			Optional		
Wheel diameter** (W9) SAE J1100		Manual			Not Available		
		Power			368 mm (14.5 in)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)			11.91 (39.1)	12.02m (39.4)	12.02m (39.4)
		Curb to curb (l. & r.)			11.47 (37.6)		
	Inside rear	Wall to wall (l. & r.)			Not Available		
		Curb to curb (l. & r.)			"	"	
Scrub Radius*					"	"	
Manual	Gear	Type			"	"	
		Manufacturer			"	"	
		Ratios	Gear		"	"	
			Overall		"	"	
	No. wheel turns (stop to stop)				"	"	
Power	Type (coaxial, linkage, etc.)				Coaxial		
	Manufacturer				Saginaw Steering Gear		
	Gear	Type			Semi-reversible recirculating ball		
		Ratios	Gear		14:1 (a)	12.7:1 (b)	12.7:1 (c)
			Overall		15.4:1	14:1	14:1
	Pump (drive)				'V' belt		
	No. wheel turns (stop to stop)				2.72	2.47	2.26
Linkage	Type				Parallelogram		
	Location (front or rear of wheels, other)				Front		
	Tie rods (one or two)				Two		
Steering axis	Inclination at camber (deg.)				Not Available		
	Bearings (type)	Upper			Ball stud		
		Lower			Ball stud		
		Thrust			None		
Steering spindle & joint type					Steering knuckle with spherical joints		
Wheel spindle hub	Diameter	Inner bearing			31.73-31.74 (1.2493-1.2498)		
		Outer bearing			21.04-21.42 (0.83-0.84)		
	Thread (size)				3/4-20 UNEF-3A (modified)		
	Bearing (type)				Tapered roller		

*The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
**See Page 21.

(a) Base
(b) (RPO F41) Z28
(c) (RPO FE2 IROC

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Body Type And/Or Engine Displacement	2-DOOR HATCHBACK COUPES	
	1FP87	1FP87/Z28

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	+5° +/-.5° (a)
		Camber (deg.)	+1° +/- .5°
		Toe-in [outside track-mm (in.)]	+.15° +/- .5°
	Service reset*	Caster	+5° +/- 0.5° (a)
		Camber	+1° +/- 0.5°
		Toe-in	+.15° +/- .05°
	Periodic M.V. inspection	Caster	+5° +/- .5° (a)
		Camber	+1° +/- .5°
		Toe-in	+.15° +/- .5°
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	Not Applicable
		Toe-in [outside track-mm (in.)]	"
	Service reset*	Camber	"
		Toe-in	"
	Periodic M.V. inspection	Camber	"
		Toe-in	"

* Indicates pre-set, adjustable, trend set or other.

(a) IROC-Z +3.5° +/- .5°

Electrical – Instruments and Equipment		Sport Coupe and LT	Z28 and IROC-Z
Speedometer	Type (analog, digital, std., opt.)	Round dial, pointer 0-85 mph (b)(c)	
	Trip odometer (std., opt., n.a.)	Optional gage package only	Standard
EGR maintenance indicator		Not Available	Not Available
Charge indicator	Type	Tell-Tale Warn. Lt. (a)	Electric gage
	Warning device (light, audible)	Inherent	Not Available
Temperature indicator	Type	Tell-Tale Warn. Lt. (a)	Electric gage
	Warning device (light, audible)	Inherent	Not Available
Oil pressure indicator	Type	Tell-Tale Warn. Lt. (a)	Electric gage
	Warning device (light, audible)	Inherent	Not Available
Fuel indicator	Type	Electric gage with pointer	
	Warning device (light, audible)	Not Available	
Windshield wiper	Type (standard)	Two speed-manual control-fluidic (wet arm)	
	Type (optional)	Intermittent	
	Blade length	454 mm (18 inches)	
	Swept area [cm²(in.²)]	5792 (898.0)	
Windshield washer	Type (standard)	Manual control	
	Type (optional)	Not Available	
	Fluid level indicator (light, audible)	" "	
Rear window wiper, wiper/washer (std., opt., n.a.)		" "	
Horn	Type	Vibrator	
	Number used	Two	
Other			Tachometer standard (Round dial, pointer) Upshift telltale

(a) Sport coupe & LT same (except on upshift light) as Z28 when optional gage package is ordered.
(b) Metric conversions included.
(c) 0-145 speed for Z28 and IROC-Z with LB9 or L98 V8.

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METRIC (U.S. Customary)

Car Line CAMARO
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Engine Description/Carb. Engine Code	2.8 Liter V6 (173 CID) (2.8 Multi Port FI) RPO LB8

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75-525(a), 75-570(b)
	Voltage	12 Volt
	Amps at 0°F cold crank	525(a), 570(b)
	Minutes-reserve capacity	(a)90 minutes, (b)90 minutes
	Amp/hrs. - 20 hr. rate	--
	Location	Engine compartment right front
Alternator	Manufacturer	Delco Remy
	Rating	(c, d)
	Ratio (alt. crank:rev.)	2.75:1
	Optional (type & rating)	None
Regulator	Type	Micro circuit units integral with alternator

Electrical – Starting System

Start. motor	Current drain at 0°F	235 @ - 20°F
Motor drive	Engagement type	Positive shift solenoid
	Pinion engages from (front, rear)	Rear

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)		--
	Other (specify)		Computer controlled coil ignition (C^3I)
Coil	Make		Delco Remy
	Model		Separate
	Current	Engine stopped – A	0
		Engine idling – A	5.5 max.
Spark plug	Make		AC
	Model		R42 CTS
	Thread (mm)		M14 x 1.25 SAE
	Tightening torque [N-m (lb. ft)]		9-20 (7-15)
	Gap		1.143 (.045)
	Number per cylinder		One
Distributor	Make		Not Applicable
	Model		--

Electrical – Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension ignition 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 strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.

(a) - Standard battery
(b) - With H.D. option UA1
(c) - 85 amp with heater, 30 amp at idle.
(d) - 100 amp with air conditioning, 36 amp at idle.

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Engine Description/Carb. Engine Code

5.0 Liter V8 (305 CID)
4-Bbl. Carburetor
RPO LG4

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	70-525(a), 75-570(b)
	Voltage	12 Volt
	Amps at 0°F cold crank	525(a), 570(b)
	Minutes-reserve capacity	75(a), 90(b)
	Amp/hrs. - 20 hr. rate	--
	Location	Engine compartment right front
Alternator	Manufacturer	
	Rating	(a, b)
	Ratio (alt. crank/rev.)	3.14:1
	Optional (type & rating)	None
Regulator	Type	Micro circuit units integral with alternator

Electrical – Starting System

Start. motor	Current drain at 0°F	305 @ - 20°F
Motor drive	Engagement type	Positive shift solenoid
	Pinion engages from (front, rear)	Rear

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)		--
	Other (specify)		High Energy Ignition (HEI)
Coil	Make		Delco Remy
	Model		Integral with Distributor
	Current	Engine stopped – A	0.5
		Engine idling – A	1.0
Spark plug	Make		AC
	Model		R43TS
	Thread (mm)		M14 x 1.25 SAE
	Tightening torque [N-m (lb. ft)]		9-20 (7-15)
	Gap		0.905 (0.035")
	Number per cylinder		One
Distributor	Make		Delco Remy
	Model		1103698

Electrical – Suppression

Locations & type

Internal alternator capacitor, non-metallic high-tension ignition 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 strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.

(a) - 85 amp (+C41), 30 amp at idle.
(b) - 100 amp (+C60/C67), 36 amp at idle.

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METRIC (U.S. Customary)

Car Line CAMARO
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Engine Description/Carb. Engine Code	5.0 Liter V8 (305 CID) (Tuned Port Fuel Injection) RPO LB9	5.7 Liter V8 (350 CID) (Tuned Port Fuel Injection RPO L98

Electrical – Supply System

Battery	Manufacturer	Delco Remy	
	Model, std., (opt.)	70-525(a), 75-570(b)	75-630
	Voltage	12 Volt	
	Amps at 0°F cold crank	525(a), 570(b)	630
	Minutes-reserve capacity	75(a), 90(b)	90
	Amp/hrs. - 20 hr. rate	--	
	Location	Engine compartment right front	
Alternator	Manufacturer	Delco Remy	
	Rating	105 amp (42 pump at idle)	
	Ratio (alt. crank/rev.)	3.14:1	
	Optional (type & rating)	None	
Regulator	Type	Micro circuit units integral with alternator	

Electrical – Starting System

Start. motor	Current drain at 0°F	305 @ - 20°F
Motor drive	Engagement type	Positive shift solenoid
	Pinion engages from (front, rear)	Rear

Electrical – Ignition System

Type	Electronic (std., opt., n.a.)		--
	Other (specify)		High Energy Ignition (HEI)
Coil	Make		Delco Remy
	Model		Remoto mounted
	Current	Engine stopped – A	0.5
		Engine idling – A	1.0
Spark plug	Make		AC
	Model		R43TS
	Thread (mm)		M14 x 1.25 SAE
	Tightening torque [N-m (lb, ft)]		9-20 (7-15)
	Gap		0.905 (0.035)
	Number per cylinder		One
Distributor	Make		Delco Remy
	Model		1103698

Electrical – Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension ignition 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 strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.

(a) - Standard battery.
(b) - With H.D. option UA1.

MVMA Specifications Form
Passenger Car

METRIC (U.S. Customary)

Car Line CAMARO
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Body Type	2-Door Hatchback Coupes	
	1FP87 Sport Coupe	Z28 (1FP87 + RPO Z28)

Body

Structure	Full unitized steel construction. Cowl, roof, underbody and body panels welded to form body shell. Bolt-in front suspension crossmember. Doors, roof, hood and hatch lid double panel construction.
Bumper system front - rear	Body color soft facia, honeycomb absorber and heavy gauge reinforcement used front and rear. GM 5 mph protection.
Anti-corrosion treatment	Galvanized metals, zinc rich primers, wax coating and other corrosion resistant materials used throughout.

Body – Miscellaneous Information

Type of finish (lacquer, enamel, other)		Lacquer or enamel (base coat/clear coat)
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Gas strut assist
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	--
	Internal release control (elec., mech., n.a.)	--
Hatch-back lid	Type (counterbalance, other)	Dual gas struts - electric final closure std.
	Internal release control (elec., mech., n.a.)	Electric release optional
Station wagon		
Vent window control (crank, friction, pivot, power)	Front	Not Available
	Rear	Not Available
Seat cushion type (e.g., 60 40, bucket, bench, wire, foam etc.)	Front	Bucket molded foam pad
	Rear	Bucket molded foam pad
	3rd seat	--
Seat back type (e.g., 60 40, bucket, bench, wire, foam etc.)	Front	Reclining bucket molded foam pad
	Rear	Folding bench. Split back optional molded foam pad
	3rd seat	--

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Passenger Car
METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Body Type	1FP87	2-Door Hatchback Coupes Z28

Restraint System

Active restraint system	Standard/optional	Standard
	Type and description	3-point shoulder/lap belts - front; lap belts-rear
	Location	2-front, 2-rear
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 integral body frame, includes bolted on front suspension crossmember.

Glass	SAE Ref. No.	
Windshield glass exposed surface area [cm^2($in.^2$)]	S1	9000.4 (1395.0)
Side glass exposed surface area [cm^2($in.^2$)] - total 2-sides	S2	6519.8 (1010.6)
Backlight glass exposed surface area [cm^2($in.^2$)]	S3	6232.0 (966.0)
Total glass exposed surface area [cm^2($in.^2$)]	S4	21752.2 (3371.6)
Windshield glass (type)		Curved-Laminated Plate
Side glass (type)		Curved-Tempered Plate
Backlight glass (type)		Curved-Tempered Plate

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METRIC (U.S. Customary)

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (●) 11-86

Body Type	2-Door Hatchback Coupes	
	1FP87	Z28

Convenience Equipment (standard, optional, n.a.)

Air conditioning (manual, auto. temp control)		Optional - manual control
Clock (digital, analog)		Digital in radio. Optional Spt Cpe & LT, std Z28 & IROC-Z
Compass thermometer		Not Available
Console (floor, overhead)		Floor standard, Overhead opt. Exc. base sport coupe
Defroster, elec. backlight		Optional
Electronic	Diagnostic monitor (integrated, individual)	Not Available
	Instrument cluster (list instruments)	Not Available
	Keyless entry	Not Available
	Tripminder (avg. spd., fuel)	" "
	Voice alert (list items)	" "
	Other	" "
		--
Fuel door lock (remote, key, electric)		Not Available
Lamps	Auto head on / off delay, dimming	" "
	Cornering	Not Available
	Courtesy (map, reading)	Optional with lamp group (under dash)
	Door lock, ignition	Not Available
	Engine compartment	Optional with lamp group
	Fog	Standard IROC-Z, optional LT & Z28
	Glove compartment	Standard (compartment in floor console)
	Trunk	Optional w/lamp group
	Other	Not Available
	Overhead Reading lamp	Included in opt. roof console
Mirrors	Day night (auto, man.)	Manual standard, automatic optional
	L.H. (remote, power, heated)	Remote std., Power opt.
	R. H. (convex, remote, power, heated)	Manual std., Power opt. Both convex
	Visor vanity (RH LH, illuminated)	RH, non-illuminated NA Spt. Cpe & LT, Std. Z28 & IROC-Z
Parking brake-auto release (warning light)		Hand release, warning light standard
Power equipment	Door locks deck lid - specify	Optional - Electric, doorlocks and rear hatch release(a)
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	Standard-Reclining both seats Optional 6-way power driver's seat
	Side windows	Optional
	Vent windows	Not Available
	Rear window	Not Available
		--
Radio systems	Antenna (location, whip, w shield, power)	R.F. fender fixed mast, power optional
	AM, FM, stero, tape, CB	AM std (b)
	Speaker (number, location) Premium sound	Four-Two in instrument panel, two in roof sail panel (c)
Roof open air fixed (flip-up, sliding, "T")		"T" type, optional
Speed control device		Cruise control, optional
Speed warning device (light, buzzer,etc.)		Not available
Tachometer (rpm)		Optional for Spt. Cpe & LT | Std. for Z28 & IROC-Z
Telephone system - mobile		Not Available
Theft protection-type		Lock mounted on steering column-locks str./wheel, trans. shift levers and ignition.

~~(a) Power final closure latch standard for all models.~~

(b) AM/FM stereo, AM/FM stereo cassette, AM stereo/FM stereo cassette with equalizer opt, AM/FM stereo cassette with Bose and equalizer opt.

(c) Two Bose speakers in load floor hinged panel

MVMA Specifications Form
Passenger Car

Car Line CAMARO
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METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

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 J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	2-Door Hatchback Coupes 1FP87	1FP87/B4E ("LT")
Width			
Tread (front)	W101	1541 (60.7)	1525 (60.0)
Trear (rear)	W102	1564 (61.6)	1548 (60.9)
Vehicle width	W103	1850 (72.8)	
Body width at Sg RP (front)	W117	1830 (72.0)	
Vehicle width (front doors open)	W120	3939 (155.1)	
Vehicle width (rear doors open)	W121	--	
Front fender overall width	W106	1850 (72.8)	
Rear fender overall width	W107	1840 (72.4)	
Tumble-home (deg.)	W122	31.5°	
Length			
Wheelbase	L101	2566 (101.0)	
Vehicle length	L103	4777 (188.0)	
Overhang (front)	L104	1086 (42.7)	
Overhang (rear)	L105	1125 (44.3)	
Upper structure length	L123	2669 (105.1)	
Rear wheel C/L "X" coordinate	L127	2138 (84.2)	
Cowl point "X" coordinate	L125	108 (4.3)	
Front end length at centerline	L126	--	
Rear end length at centerline	L129	345 (13.6)	
Height **			
Passenger distribution (front/rear)	PD1,2,3	**	
Trunk/cargo load		**	
Vehicle height	H101	1271 (50.0)	
Cowl point to ground	H114	898 (35.3)	
Deck point to ground	H138	915 (36.0)	
Rocker panel-front to ground	H112	193 (7.6)	
Bottom of door closed-front to grd.	H133	357 (14.0)	
Rocker panel-rear to ground	H111	193 (7.6)	
Bottom of door closed-rear to grd.	H135	--	
Windshield slope angle	H122	62.0°	
Backlight slope angle	H121	71.0°	
Ground Clearance **			
Front bumper to ground	H102	283 (11.2)	
Rear bumper to ground	H104	317 (12.5)	
Bumper to ground [front at curb mass (wt.)]	H103	304 (12.0)	
Bumper to ground [rear at curb mass (wt.)]	H105	334 (13.2)	
Angle of approach (degrees)	H106	16.5°	
Angle of departure (degrees)	H107	18.6°	
Ramp breakover angle (degrees)	H147	12.9°	
Axle differential to ground (front / rear)	H153	172 (6.8)	
Min. running ground clearance	H156	121 (4.8)	
Location of min. run. grd. clear.		Front crossmember	

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.

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Car Line CAMARO
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METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

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 J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	2-Door Hatchback Coupes 1FP87 with (RPO Z28)	1FP87/Z28/B4Z (IROC-Z)
Width			
Tread (front)	W101	1525 (60.0)	1541 (60.7)
Trear (rear)	W102	1548 (60.9)	1539 (60.6)
Vehicle width	W103	1850 (72.8)	
Body width at Sg RP (front)	W117	1830 (72.0)	
Vehicle width (front doors open)	W120	3939 (155.1)	
Vehicle width (rear doors open)	W121	--	
Front fender overall width	W106	1850 (72.8)	
Rear fender overall width	W107	1840 (72.4)	
Tumble-home (deg.)	W122	31.5°	
Length			
Wheelbase	L101	2566 (101.0)	
Vehicle length	L103	4877 (192.0)	
Overhang (front)	L104	1178 (46.4)	
Overhang (rear)	L105	1133 (44.6)	
Upper structure length	L123	2669 (105.1)	
Rear wheel C/L "X" coordinate	L127	2138 (84.2)	
Cowl point "X" coordinate	L125	108 (4.3)	
Front end length at centerline	L126	--	
Rear end length at centerline	L129	345 (13.6)	
Height **			
Passenger distribution (front/rear)	PD1,2,3	**	
Trunk/cargo load		**	
Vehicle height	H101	1279 (50.3)	
Cowl point to ground	H114	904 (35.6)	
Deck point to ground	H138	918 (36.1)	
Rocker panel-front to ground	H112	201 (7.9)	
Bottom of door closed-front to grd.	H133	362 (14.3)	
Rocker panel-rear to ground	H111	197 (7.8)	
Bottom of door closed-rear to grd.	H135	--	
Windshield slope angle	H122	62.0°	
Backlight slope angle	H121	71.0°	
Ground Clearance **			
Front bumper to ground	H102	347 (13.7)	
Rear bumper to ground	H104	329 (13.0)	
Bumper to ground [front at curb mass (wt.)]	H103	359 (14.1)	
Bumper to ground [rear at curb mass (wt.)]	H105	344 (13.5)	
Angle of approach (degrees)	H106	12.2°	
Angle of departure (degrees)	H107	18.8°	
Ramp breakover angle (degrees)	H147	13.4°	
Axle differential to ground (front / rear)	H153	182 (7.2)	
Min. running ground clearance	H156	128 (5.1)	
Location of min. run. grd. clear.		Front crossmember	

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.

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

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Body Type	SAE Ref. No.	2-Door Hatchback Coupes	
		1FP87	Z28

Front Compartment

Sg RP front, "X" coordinate	L31	1050 (41.3)	
Effective head room	H61	940 (37.0)	
Max. eff. leg room (accelerator)	L34	1092 (43.0)	
SgRP to heel point	H30	181 (7.1)	
SgRP to heel point	L53	911 (35.9)	
Back angle	L40	26.5	
Hip angle	L42	98.0	
Knee angle	L44	133.0	
Foot angle	L46	87.0	
Design H-point front travel	L17	192 (7.6)	
Normal driving & riding seat track trvl.	L23	171 (6.7)	
Shoulder room	W3	1460 (57.5)	
Hip room	W5	1430 (56.3)	
** Upper body opening to ground	H50	--	
Steering wheel maximum diameter	W9	368 (14.5)	
Steering wheel angle	H18	18.0	
Accel. heel pt. to steer. whl. cntr	L11	Not Available	
Accel. heel pt. to steer. whl. cntr	H17	" "	
Steering wheel to C / L of thigh	H13	91 (3.6)	
Steering wheel torso clearance	L7	360 (14.2)	
Headlining to roof panel (front)	H37	12 (0.5)	
Undepressed floor covering thickness	H67	16 (0.6)	

Rear Compartment

All Interior Dimensions Are Measured With The Seating Reference Point (SgRP)_____ mm (1 Seat Adjuster Notch) Forward Of Rearmost Seat Position.

Sg RP Point couple distance	L50	668 (26.3)	
Effective head room	H63	905 (35.6)	
Min. effective leg room	L51	756 (29.8)	
Sg RP (second to heel)	H31	183 (7.2)	
Knee clearance	L48	-15 (-0.6)	
Compartment room	L3	582 (22.9)	
Shoulder room	W4	1430 (56.3)	
Hip room	W6	1087 (42.8)	
** Upper body opening to ground	H51	--	
Back angle	L41	28.0°	
Hip angle	L43	68.0	
Knee angle	L45	66.5	
Foot angle	L47	116.5	
Headlining to roof panel (second)	H38	Not Available	
Depressed floor covering thickness	H73	18 (0.7)	

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	--	
** Liftover height	H195	881 (34.7)	883 (34.8)

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		Sub-Compact
Interior volume index (cu. ft.)		84.9
Trunk/cargo index (cu. ft.)		12.4

All linear dimensions are in millimeters (inches).
** EPA Loaded Vehicle Weight, Loading Conditions

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

See Key Sheets for definitions

Car Line CAMARO
Model Year 1987 Issued 6-86 Revised (•) 11-86

Body Type	SAE Ref. No.	2-Door Hatchback Coupes	
		1FP87	Z28

Station Wagon – Third Seat

Sg RP couple distance	L85	
Shoulder room	W85	Not
Hip room	W86	Applicable
Effective leg room	L86	
Effective head room	H86	
Sg RP to heel point	H87	
Knee clearance	L87	
Seat facing direction	SD1	
Back angle	L88	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

Station Wagon – Cargo Space

Cargo length (open front)	L200	Not
Cargo length (open second)	L201	Applicable
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at belt (front)	L204	
Cargo length at belt (second)	L205	
Cargo width (wheelhouse)	W201	
Rear opening width at floor	W203	
Opening width at belt	W204	
Max rear opening width above belt	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index [m^3($ft.^3$)]	V2	
Hidden cargo volume [m^3($ft.^3$)]	V4	
Cargo volume index-rear of 2-seat	V10	

Hatchback – Cargo Space

Cargo length at front seatback height	L208	895 (35.2)
Cargo length at floor (front)	L209	1556 (61.3)
Cargo length at second seatback height	L210	610 (24.0)
Cargo length at floor (second)	L211	845 (33.3)
Front seatback to load floor height	H197	355 (14.0)
Second seatback to load floor height	H198	242 (9.5)
Cargo volume index [m^3($ft.^3$)]	V3	879 (31.0)
Hidden cargo volume [m^3($ft.^3$)]	V4	--
Cargo volume index-rear of 2-seat	V11	350 (12.4)

Aerodynamics*

Wheel lip to ground, front	H172	682 (26.9)	689 (27.1)
Wheel lip to ground, rear	H173	690 (27.2)	693 (27.3)
Frontal area [m^2(ft^2)]		1.95 (21.0)	1.98 (21.3)
Drag coefficient (Cd)		Not Available	

* EPA Loaded Vehicle Weight, Loading Conditions

All linear dimensions are in millimeters (inches) unless otherwise noted.

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Car Line CAMARO
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Body Type	2-Door Hatchback Coupes	
	1FP87	Z28

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 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 the base grid line to rear fiducial mark located on the rail (compartment pan - longitudinal). Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on the rail (comparment pan - longitudinal). Z - Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to the rear fiducial mark located on rail (compartment pan - longitudinal).

	Fiducial Mark Number		
Front	W21	540 (21.3)	
	L54	688 (27.1)	*
	H81	-32 (- 1.3)	#
	H161	296 (11.7)	
**	H163	277 (10.9)	284 (11.2)

Rear	W22	548 (21.6)	
	L55	2815 (110.8)	*
	H82	96 (3.8)	#
	H162	417 (16.4)	
**	H164	400 (15.7)	407 (16.0)

* Vertical Base Grid 2000 mm line.
\# Horizontal Base Grid 500 mm line.

* Reference – SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.
All linear dimensions are in millimeters (inches).
** EPA Loaded Vehicle Weight, Loading Conditions

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Car Line CAMARO
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Body Type	1FP87	2-Door Hatchback Coupes	Z28

Lamps and Headlamp Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	641 (25.2)	
		Lowest	641 (25.2)	
	Taillamp (SAE - H128)	Highest**	776 (30.5)	
		Lowest	776 (30.5)	
	Sidemarker	Front	511 (20.1)	
		Rear	706 (27.8)	
Distance from C L of car to center of bulb	Headlamp	Inside	487.5 (19.2)	
		Outside**	667.5 (26.3)	
	Taillamp	Inside	--	
		Outside**	610.5 (24.0)	
	Directional	Front	574.5 (22.6) except Z28	585.5 (23.0)
		Rear	481.0 (18.9)	
Halogen headlamp (std., opt., n.a.)	Lo beam		Optional	
	Hi beam		Optional	
	Replaceable bulb		N.A. (sealed beam)	
	Shape		Rectangular	
Headlamp other than above	Lo beam		Conventional	
	Hi beam		Conventional	
	Replaceable		Entire sealed beam unit	
	Shape		Rectangular	
	Type		Four lamp system	

* Measured at curb mass (weight).
** If single lamps are used enter here.
All linear dimensions are in millimeters (inches) unless otherwise noted.

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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	
Standard								
2-Door Hatchback Coupe 1FP87	771.1 (1700)	616.9 (1360)	1388.0 (3060)					1351.6 (2980)
LT								
2-Door Hatchback Coupe 1FP87/B4E	773.8 (1706)	630.2 (1389)	1404.0 (3095)					1367.6 (3015)
Z28								
2-Door Hatchback Coupe 1FP87 w/Z28	838.3 (1848)	624.6 (1377)	1462.9 (3225)					1426.5 (3145)
IROC-Z								
2-Door Hatchback Coupe 1FP87 W/Z28/B4Z	854.2 (1883)	635.6 (1401)	1489.8 (3284)					1453.4 (3204)

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

Shipping Weight - Same as base curb weight, except 3 gallons of gasoline.

* Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.
** Shipping mass (weight) definition -

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Car Line CAMARO
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Optional Equipment Differential Mass (weight)*

Equipment	MASS. kg. (weight. lb.) Front	Rear	Total	Remarks
Power Seat, 6-Way, (Driver's side only) RPO-AG9	2.2 (4.8)	2.8 (6.2)	5.0 (11.0)	All models (merchandising option for RPO-AC3)
Power Door Locks - Electric. RPO-AU3	.8 (1.8)	1.0 (2.2)	1.8 (4.0)	All models
Power Windows - Electric RPO-A31	1.2 (2.6)	1.0 (2.2)	2.2 (4.8)	All models
Lock Release-Liftback Electric. RPO-A90	.2 (0.4)	.4 (0.9)	.6 (1.3)	All models
Mats, Front Floor - Colored-Keyed Carpet RPO-B34	.8 (1.8)	.4 (0.9)	1.2 (2.7)	All models
Mats, Rear Floor - Colored-Keyed carpet RPO-B35	.2 (0.4)	.6 (1.3)	.8 (1.8)	All models
Deluxe Luggage Compartment Trim RPO-B48	-.2 (-0.4)	2.0 (4.4)	1.8 (4.0)	Optional Sport Coupe & Z28 & IROC-Z Base equipment on "LT"
Moldings-Body Side- (Black for Sport Coupe Color for Other Models RPO-B84	.2 (0.4)	.4 (0.9)	.6 (1.3)	All models

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

MVMA Specifications Form
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Car Line CAMARO
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Equipment	Optional Equipment Differential Mass (weight)* MASS. kg. (weight, lb.) Front	Rear	Total	Remarks
Roof-Removable Hatch Panels-Glass RPO-CC1	5.8 (12.8)	9.6 (21.2)	15.4 (34.0)	All models, includes storage bag and attaching hardware.
Windshield washer and Wiper (Pulse System) RPO-CD4	.2 (0.4)	0 (0)	.2 (0.4)	Optional
Defogger-Rear Window (Electric) RPO-C49	0 (0)	.4 (0.9)	.4 (0.9)	All models
Air Conditioning (Manual Control)RPO-C60	14.2 (31.3)	1.8 (4.0)	16.0 (35.3)	With RPO LB8 engines. Sport Coupe & "LT"
	26.6 (58.6)	1.8 (4.0)	28.4 (62.6)	With RPO-LG4 & L98 engines.
	23.2 (51.1)	1.4 (3.1)	24.6 (54.2)	With RPO LB9 & MD8
	20.2 (44.5)	1.8 (4.0)	22.0 (48.5)	With RPO LG4 & MD8
	22.6 (49.8)	1.4 (3.1)	24.0 (52.9)	With RPO LB9 & M39
	20.4 (45.0)	1.8 (4.0)	22.2 (48.9)	With RPO LG4 & M39
Sport Mirrors - Electric Remote Control-R.H.&L.H. -Controls on L.H. Door Panel. RPO-DG7	1.2 (2.6)	.4 (0.9)	1.6 (3.5)	All models
Roof Console (Requires RPO-B18) RPO-DK6	.8 (1.8)	.2 (0.4)	1.0 (2.2)	Optional
Rear Compartment Cargo Area Cover RPO-D42	- .4 (-0.9)	3.0 (6.6)	2.6 (5.7)	All models
Spoiler-Rear Deck Lid (3-piece) RPO-D80	- .6 (-1.3)	2.4 (5.3)	1.8 (4.0)	Optional Sport Coupe & "LT" Base on Z28 & IROC-Z

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

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Car Line CAMARO
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Equipment	Optional Equipment Differential Mass (weight)* MASS. kg. (weight, lb.) Front	Rear	Total	Remarks
Power 4-Wheel Disc	0	7.0	7.0	IROC-Z with L98 only.
Brakes.	(0)	(15.4)	(15.4)	
RPO-J65				
Cruise Control-Three Mode	2.4	0	2.4	All models except LB8
with Resume Feature.	(5.3)	(0)	(5.3)	
(Available on Manual or				
Automatic Transmissions.)	2.0	0	2.0	With LB8
RPO-K34	(4.4)	(0)	(4.4)	
5.0 Liter V8 (305 CID)	78.8	7.6	86.4	With M39
RPO-LB9	(173.7)	(16.7)	(190.4)	
	67.0	6.8	73.8	With MD8
	(147.7)	(15.0)	(162.7)	
5.0 Liter V8 (305 CID)	52.2	1.8	54.0	1FP87 - Z28/B4Z
RPO-LG4	(115.1)	(4.0)	(119.1)	
	68.2	3.8	72.0	1FP87 & M39 & Z28/B4Z
	(150.3)	(8.4)	(158.7)	
	52.0	2.4	54.4	1FP87 & MD8 & Z28/B4Z
	(114.6)	(5.3)	(119.9)	
5.7 Liter V8 (350 CID)	73.4	7.0	80.4	Optional IROC-Z only & MD8
RPO-L98	(161.8)	(15.4)	(177.2)	
5-Speed Manual	-3.6	-1.2	-4.8	
Transmission			(- 2.2)	
RPO-M39	(-7.9)	(-2.6)	(-10.5)	

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

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METRIC (U.S. Customary)

Car Line CAMARO
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Equipment	Optional Equipment Differential Mass (weight)* MASS. kg. (weight, lb.) Front	Rear	Total	Remarks
Automatic Transmission	17.2	5.4	22.6	With LB8-V6 engine, Sport Coupe & "LT"
With Overdrive (700-R4)	(37.9)	(11.9)	(49.8)	
RPO-MX0				
	21.6	8.8	30.4	With LG4-V8 engine
	(47.6)	(19.4)	(67.0)	
	21.8	8.8	30.6	With LB9 & L98 V8 Engine, Z28
			(35.7)	& IROC-Z only.
	(48.1)	(19.4)	(67.5)	
Steering Column-Tilt	.8	.2	1.0	All models
RPO-N33	(1.8)	(0.4)	(2.2)	
Wheels-Aluminum	-5.8	-5.8	-11.6	Optional "LT" only
RPO PE1			(1.8)	
	(-12.8)	(-12.8)	(-25.6)	
Lamp Group-Auxillary				All models
Includes:				
-Courtesy Lamps				
RPO-U29				
-Rear Compartment				
Light RPO-U25	0	.2	.2	
-Underhood Light	(0)	(0.4)	(0.4)	
RPO-U26				
Package Number RPO-TR9	.2	0	.2	
	(0.4)	(0)	(0.4)	
Battery-Heavy Duty	2.4	- .4	2.0	
RPO-UA1	(5.3)	(-0.9)	(4.4)	

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

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Car Line CAMARO
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Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg. (weight, lb.) Front	Rear	Total	Remarks
Antenna - Power (Consists of RPO-UN9 Radio Suppression Equipment requires Radio) RPO-U75	1.0 (2.2)	.2 (0.4)	1.2 (2.6)	All models
Extended Range Sound System, AM/FM Stereo ETR Radio, with Clock. (Includes RPO-UP8, U73, U79, UL1, VE8) RPO-UM7	6.2 (13.2)	4.8 (10.6)	11.0 (24.3)	Optional Sport Coupe & Z28 Coupe
Extended Range Sound System AM/FM Stereo Cassette Tape, Dolby Sound and Digital Clock RPO-UU8				Optional - All except IROC-Z
Extended Range Sound System, AM Stereo/FM Stereo ETR Radio-Cassette, with Clock and Graphic Equalizer. (Includes RPO-VE8, UU6, UP8, U73, U79) RPO-UX1	6.0 (13.2)	4.6 (10.1)	10.6 (23.3)	Optional Sport Coupe & Z28 Coupe
Extended Range Sound System AM/FM Stereo ETR Radio, Clock, Cassette (Includes RPO-UP8, UU9, U73, U79.) RPO-UM6	3.8 (8.4)	3.8 (8.4)	7.6 (16.8)	Optional Sport Coupe & Z28 Coupe
Special Export Package RPO-ZK3	1.2 (2.6)	2.8 (6.2)	4.0 (8.8)	Optional-Z28 only

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

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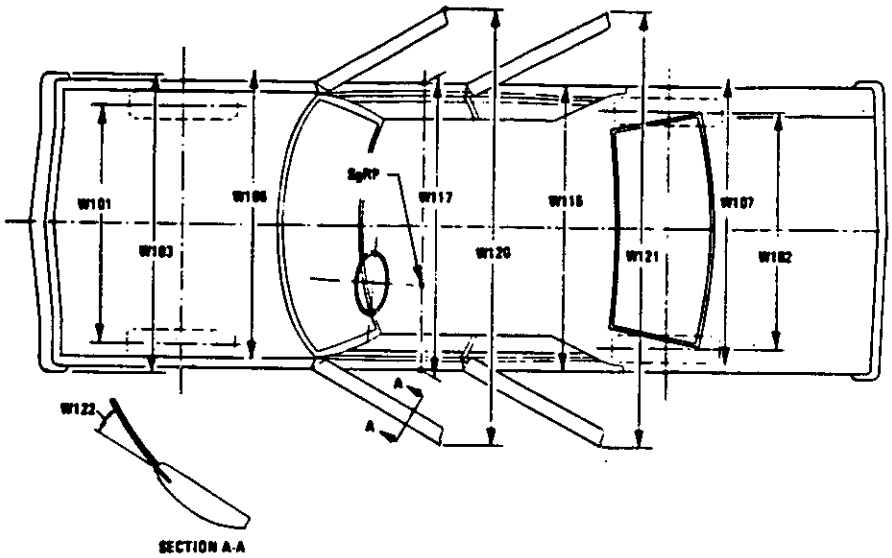
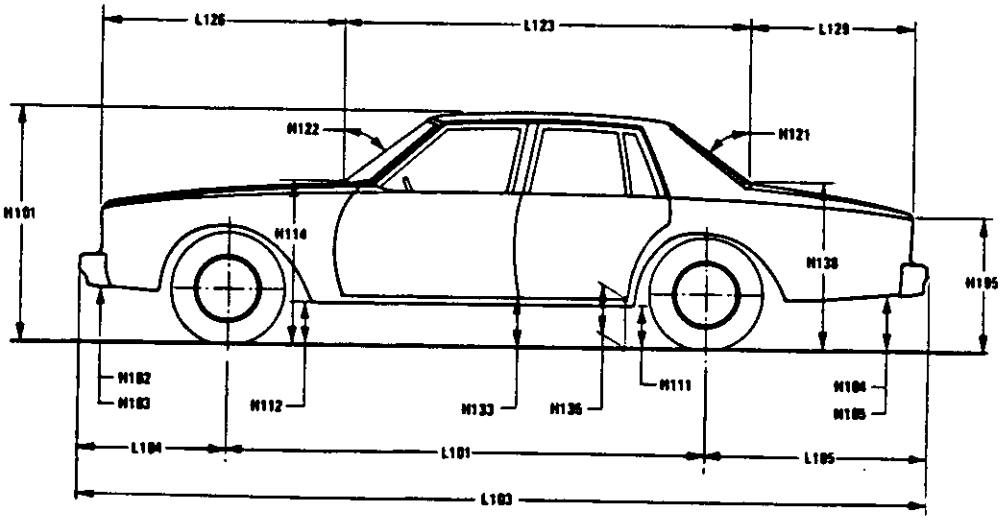
Exterior Car And Body Dimensions – Key Sheet

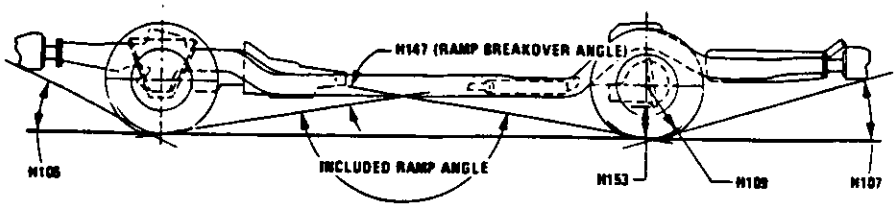
Exterior Width



Exterior Length & Height



Exterior Ground Clearance



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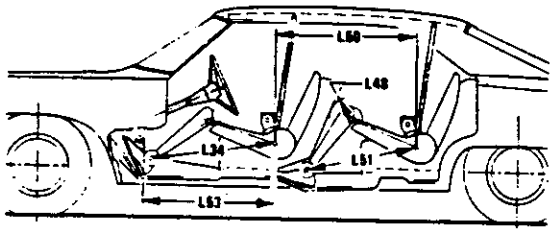
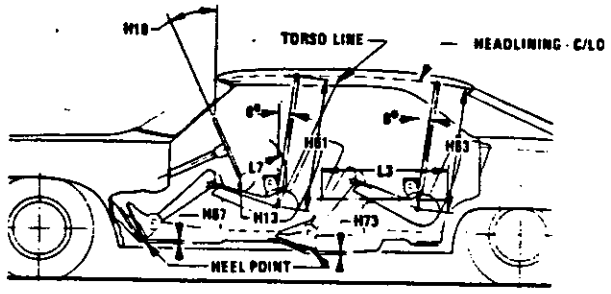
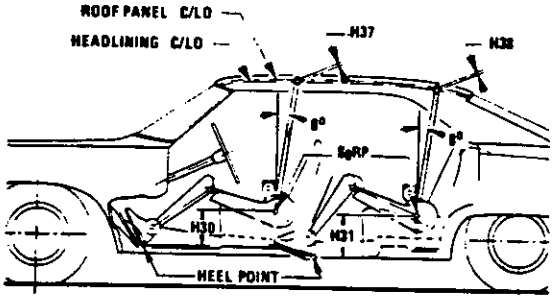
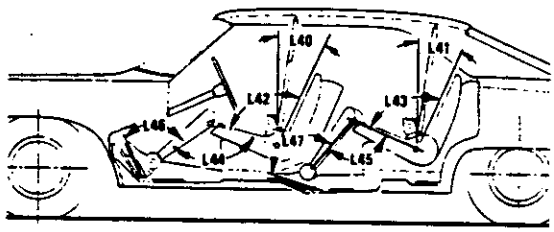
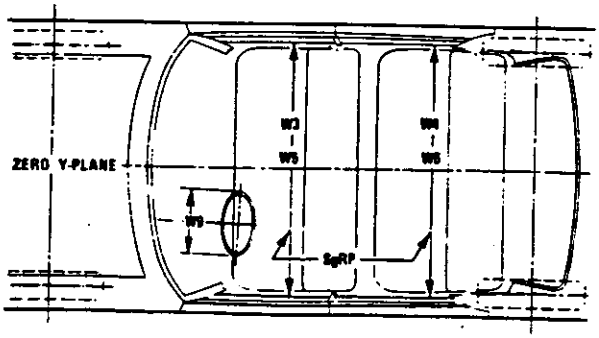
Interior Car And Body Dimensions – Key Sheet

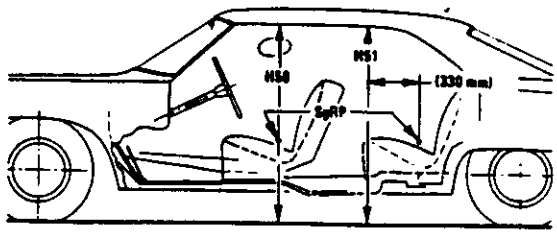












MVMA Specifications Form
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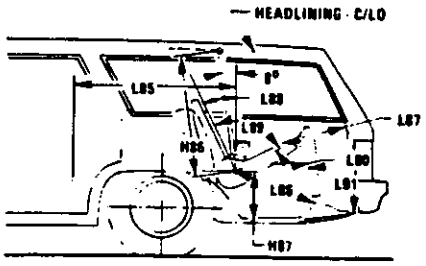
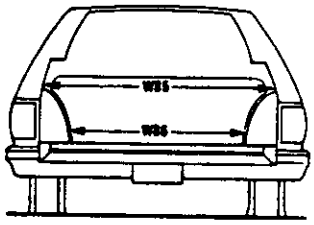
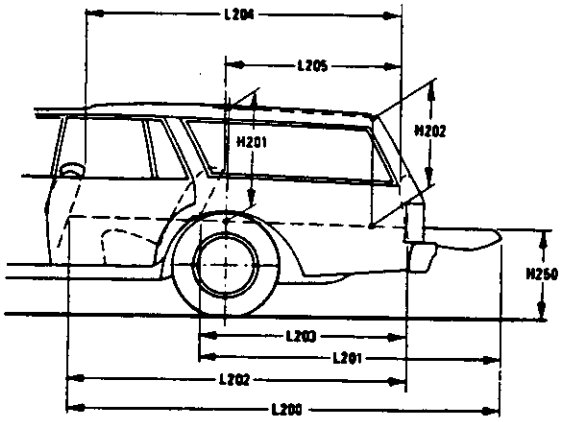
Interior Car And Body Dimensions – Key Sheet

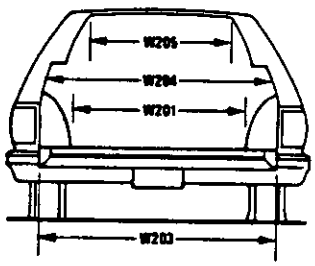
Third Seat



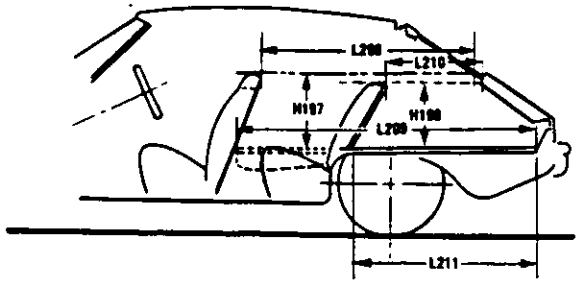


Cargo Space





Station Wagon



Hatchback

MVMA Specifications Form
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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, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations.".

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.

W106 FRONT FENDER WIDTH. The dimension measured between the widest points at the front wheel centerline, excluding moldings.

W107 REAR FENDER WIDTH. The dimension measured between the widest points at the rear wheel centerline, excluding moldings.

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

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.

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.

L125 COWL POINT "X" COORDINATE.

L126 FRONT END LENGTH. The dimension measured longitudinally from the cowl point to the foremost point on the vehicle at the zero "Y" plane excluding ornamentation or bumpers. In cases where bumpers and or grills are integrated with the profile, measurement is made at the foremost point of front end contour.

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

L129 REAR END LENGTH. The dimension measured longitudinally from the deck point to the rearmost visible point of the body sheet metal at the zero "Y" plane, excluding ornamentation or bumpers.

Height Dimensions

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

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.

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

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 arc 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 457 mm (18.0 in) long drawn from the lower DLO to the intersecting point on the windshield.

H127 HEADLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.

H128 TAILLAMP TO GROUND–CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

H133 BOTTOM OF DOOR CLOSED–FRONT 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.

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.

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

H109 STATIC LOAD–TIRE RADIUS–REAR. Specified by the manufacturer in accordance with composite TIRE SECTION STANDARD.

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.

H103 FRONT BUMPER TO GROUND–CURB MASS (WT.). Measured in the same manner as H102.

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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 MASS (WT.). 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 arc and 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 arc and the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.

H147 RAMP 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.

Glass Areas

S1 Windshield area.

S2 Side windows area. Includes the front door, rear door, vents, and rear quarter windows on both sides of the vehicle.

S3 Backlight areas.

S4 Total area. Total of all areas (S1 + S2 + S3).

Fiducial Mark Dimensions

Fiducial Mark – Number 1

L54 "X" coordinate.

W21 "Y" coordinate.

H81 "Z" coordinate.

H161 Height "Z" coordinate to ground at curb weight.

H163 Height "Z" coordinate to ground.

Fiducial Mark – Number 2

L55 "X" coordinate.

W22 "Y" coordinate.

W82 "Z" coordinate.

H162 Height "Z" coordinate to ground at curb weight.

H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

L7 STEERING WHEEL TORSO CLEARANCE. The minimum dimension measured in the side view from the rearmost edge of the steering wheel, with front wheels in the straight ahead position, to the torso line.

L11 ACCELERATOR HEEL POINT TO STEERING WHEEL CENTER. The dimension measured horizontally from the AHP to the intersection of the steering column centerline and a plane tangent to the upper surface of the steering wheel rim.

L17 DESIGN H-POINT–FRONT TRAVEL. The dimension measured horizontally between the design H-point–front in the foremost and rearmost seat track positions. (See SAE J1100)

L23 NORMAL DRIVING AND RIDING SEAT TRACK LEVEL. The dimension measured horizontally between a point on the design H-point travel line from the SgRP to the displaced point on the design H-point travel line with the seat moved to the foremost seat position, but not to include seat track travel used for purposes other than normal driving and riding positions. (See SAE J1100)

L31 SgRP–FRONT. "X" COORDINATED.

L34 MAXIMUM EFFECTIVE LEG ROOM–ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP–front plus 254 mm (10.0 in) 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.

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.

L42 HIP ANGLE–FRONT. The angle measured between torso line and thigh centerline.

L44 KNEE ANGLE–FRONT. The angle measured between thigh centerline and lower leg centerline measured on the right leg.

L46 FOOT ANGLE–FRONT. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the bare foot flesh line measured on the right leg. Ref SAE J826.

L53 SgRP–FRONT TO HEEL. The dimension measured horizontally from the SgRP–front to the accelerator heel point.

W3 SHOULDER ROOM–FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP–front at height between the belt line and 254 mm (10.0 in.) above the SgRP–front, excluding the door assist strap and attaching parts.

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

W9 STEERING WHEEL MAXIMUM OUTSIDE DIAMETER. Define if other than round.

H13 STEERING WHEEL TO CENTERLINE OF THIGH. The minimum dimension measured from the bottom of steering wheel, with front wheels in the straight position, to the thigh centerline.

H17 ACCELERATOR HEEL POINT TO THE STEERING WHEEL CENTER. The dimension measured vertically from the AHP–front to the intersection of the steering column centerline to a plane tangent to the upper surface of the steering wheel rim.

H18 STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.

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

H37 HEADLINING TO ROOF PANEL–FRONT. The dimension measured from the intersection of the headlining and the extended effective head room line normal to the sheet metal.

H50 UPPER BODY OPENING TO GROUND–FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP–front "X" plane.

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

H67 FLOOR COVERING THICKNESS–UNDEPRESSED–FRONT. The dimension measured vertically from the surface of the undepressed floor covering to the underbody sheet metal at the accelerator heel point.

PD1 PASSENGER DISTRIBUTION–FRONT.

Rear Compartment Dimensions

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.

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L-41 BACK ANGLE–SECOND. The angle measured between a vertical line through the SgRP–second and the torso line.

L43 HIP ANGLE–SECOND. The angle measured between torso line and thigh centerline.

L45 KNEE ANGLE–SECOND. The angle measured between thigh centerline and lower leg centerline.

L47 FOOT ANGLE–SECOND. The angle measured between the lower leg centerline and a line tangent to the ball and heel of the three-dimensional devices bare foot flesh line (Reference J826).

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

L50 SgRP COUPLE DISTANCE–SECOND. The dimension measured horizontally from the driver SgRP–front to the SgRP–second.

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

W4 SHOULDER ROOM–SECOND. The minimum dimension measured laterally between door or quarter trimmed surfaces on the "X" plane through the SgRP–second at height between 254-406 mm (10.0-16.0 in.) above the SgRP–second. excluding the door assist straps and attaching parts.

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

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.

H38 HEADLINING TO ROOF PANEL–SECOND. The dimension measured from the intersection of the headlining and the extended effective head room line normally to the roof sheet metal.

H51 UPPER BODY OPENING TO GROUND–SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of 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 102 mm (4.0 in.).

H73 FLOOR COVERING–DEPRESSED–SECOND. The dimension measured vertically from the heel point to the underbody sheet metal.

PD2 PASSENGER DISTRIBUTION–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.

Interior Volumes (EPA Classification)

The Interior Volume Index is listed for each body style except two seaters. The interior volume index estimates the space in a car. It is based on four measurements – head room, shoulder room, hip room, and leg room – for the front and rear seats. plus trunk capacity. The interior volume index is an estimate of the size of the passenger compartment.

The Trunk Cargo Index is an estimate of the size of the trunk cargo space. In station wagons and hatchbacks it is an estimate of the space behind the second seat.

Station Wagon – Third Seat Dimensions

L85 SgRP COUPLE DISTANCE–THIRD. The dimension measured horizontally from the SgRP–second to the SgRP–third.

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

L87 KNEE CLEARANCE–THIRD. The minimum dimension from the knee pivot center to the back of second seatback minus a constant of 51mm (2.0 in.). With rear-facing third seat. dimension is measured to closure.

L88 BACK ANGLE–THIRD. Measured in the same mannere as L41.

L89 HIP ANGLE–THIRD. Measured in the same manner as L43.

L90 KNEE ANGLE–THIRD. Measured in the same manner as L45.

L91 FOOT ANGLE–THIRD. Measured in the same manner as L47.

W85 SHOULDER ROOM–THIRD. Measured in the same manner as W4.

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

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 102 mm (4.0 in.).

H87 SgRP–THIRD TO HEEL POINT.

PD3 PASSENGER DIRECTION–THIRD.

SD1 SEAT FACING DIRECTION–THIRD.

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 to the rearmost point on 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 backpanel 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 he 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 to the sheet metal.

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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.

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

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinate 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 MASS (WT.). 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 LUGGAGE CAPACITY–REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V5 TRUCKS AND MPV'S WITH OPEN AREA.
Measured in inches:

$$\frac{L506 \times W500 \times H503}{1728} = ft^3$$

Measured in mm:

$$\frac{L506 \times W500 \times H503}{10^9} = m^3 \text{ (cubic meter)}$$

V6 TRUCKS AND MPV'S WITH CLOSED AREA.
Measured in inches:

$$\frac{L204 \times W500 \times H505}{1728} = ft^3$$

Measured in mm:

$$\frac{L204 \times W500 \times H505}{10^9} = m^3 \text{ (cubic meter)}$$

V8 HIDDEN LUGGAGE CAPACITY–REAR OF SECOND SEAT. The total volume of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the second seat.

V10 STATION WAGON CARGO VOLUME INDEX.
Measured in inches:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{1728} = ft^3$$

Measured in mm:

$$\frac{H201 \times L205 \times \frac{W4 + W201}{2}}{10^9} = m^3 \text{ (cubic meter)}$$

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).

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.

L210 CARGO LENGTH AT SECOND SEATBACK HEIGHT–HATCHBACK. The minimum dimension measured from the "X" plane tangent to the rearmost surface of second seatback or the load floor which is stowed at least one half of the H198 dimension height above the rear load floor, to the rearmost inside limiting interference on the zero "Y" plane.

L211 CARGO LENGTH AT FLOOR–SECOND HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the second seatback or load floor panel to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

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.

H198 SECOND SEATBACK TO LOAD FLOOR HEIGHT: The dimension measured vertically from the second seat back to the undepressed floor covering.

V3 HATCHBACK.
Measured in inches:

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

Measured in mm:

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

V4 HIDDEN LUGGAGE CAPACITY–REAR OF FRONT SEAT. The total volumes of individual pieces of one set of standard luggage stowed in any hidden cargo area below the load floor rear of the front seat.

V11 HATCHBACK CARGO VOLUME INDEX. Usable luggage (one (1) stand and luggage set) below floor:
Measured in inches:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{1728} = ft^3$$

Measured in mm:

$$\frac{\frac{L210 + L211}{2} \times W4 \times H198}{10^9} = m^3 \text{ (cubic meter)}$$

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