MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1992

Manufacturer	CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Vehicle Line	 CAMARO
Mailing Address	CHEVROLET-PONTIAC-CANADA GROUP ENGINEERING CENTER GENERAL MOTORS CORPORATION 30003 VAN DYKE WARREN, MICHIGAN 48090-9060	Issued	SEPTEMBER, 1991
		Revised	

Direct questions concerning these specifications to the manufacturer listed above.

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

Motor Vehicle Manufacturers Association of the United States, Inc.

Blank Forms Provided by Technical Affairs Division

FORM MVMA-92

MVMA Specifications

METRIC (U.S. Customary)

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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) specs. are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of compilation and are subject to change without notice or incurring obligation by the manufacturer.
4. Additional Vehicle Dimensions (based in part on SAE J1100 "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Vehicle Origin

Design & development (company)	Chevrolet-Pontiac-GM of Canada
Where built (country)	U.S.A.
Authorized U.S. Sales marketing representative	Chevrolet Motor Division

Vehicle Models

Model Description & Drive (FWD/RWD/AWD/4WD)*	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)	EPA Fuel Economy (City/Hwy)
CAMARO 'RS'				
2-Door Convertible (RWD)	1FP67	4 (2/2)	Not Available	
2-Door Coupe (RWD)	1FP87	4 (2/2)	45.4 (100)	
CAMARO Z28				
2-Door Convertible (RWD)	1FP67	4 (2/2)	Not Available	
2-Door Coupe (RWD)	1FP87	4 (2/2)	45.4 (100)	

* FWD - Front Wheel Drive RWD - Rear Wheel Drive AWD - All Wheel Drive 4WD - Four Wheel Drive

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)
Power Teams

SAE J1349 Net bhp (brake hrspwr) and Net Torque corrected to 77 deg. F / 25 deg. C and 29.61 in. Hg/100 kPA atmos. press.

			A	B	C	D
ENGINE	Engine Code		LHO	LHO	L03	L03
	Displacement Liters (cu. in.)		3.1 (191)	3.1 (191)	5.0 (305)	5.0 (305)
	Induction system (FI, Carb, etc.)		Multi-Port Fuel Injection	Multi-Port Fuel Injection	Electronic Fuel Injection	Electronic Fuel Injection
	Compression ratio		8.5:1	8.5:1	9.3:1	9.3:1
	SAE Net at RPM	Power kW (bhp)	104 (140) @ 4400	104 (140) @ 4400	127 (170) @ 4000	127 (170) @ 4000
		Torque Newton meters (lb.ft.)	244 (180) @ 3200	244 (180) @ 3200	346 (255) @ 2400	346 (255) @ 2400
	Exhaust Single, dual		Single	Single	Single	Single
TRANS	Transmission/ Transaxle		MB1 Manual Transmission 5-Speed	MD8 Automatic Transmission 4-Speed	M39 Manual Transmission 5-Speed	MD8 Automatic Transmission 4-Speed
	Axle Ratio (std. first)		3.42	3.23	3.08	2.73

Series Availability		Power Teams (A – B – C – D)	
Model	**Code**	**Standard**	**Optional**
CAMARO 'RS'			
2-Dr. Convertible	1FP67	A	B, C, D
2-Dr. Coupe	1FP87	A	B, C, D
CAMARO Z28			
2-Dr. Convertible	1FP67	E	F
2-Dr. Coupe	1FP87	E	F, G, H

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Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)
Power Teams

SAE J1349 Net bhp (brake hrspwr) and Net Torque corrected to 77 deg. F / 25 deg. C and 29.61 in. Hg/100 kPA atmos. press

			E	F	G	H
ENGINE	Engine Code		LB9	LB9	LB9	L98
	Displacement Liters (cu. in.)		5.0 (305)	5.0 (305)	5.0 (305)	5.7 (350)
	Induction system (FI, Carb, etc.)		Tuned-Port Fuel Injection	Tuned-Port Fuel Injection	Tuned-Port Fuel Injection	Tuned-Port Fuel Injection
	Compression ratio		9.3:1	9.3:1	9.3:1	9.8:1
	SAE Net at RPM	Power kW (bhp)	157 (205) @ 4200	157 (205) @ 4200	172 (230) @ 4400	183 (245) @ 4400
		Torque Newton meters (lb.ft.)	386 (285) @ 3200	386 (285) @ 3200	407 (300) @ 3200	468 (345) @ 3200
	Exhaust Single, dual		Single	Single	Dual	Dual
TRANS	Transmission/ Transaxle		M39 Manual Transmission 5-Speed	MD8 Automatic Transmission 4-Speed	MK6 Manual Transmission 5-Speed	MD8 Automatic Transmission 4-Speed
	Axle Ratio (std. first)		3.08	2.73	3.42	3.23

Series Availability		Power Teams (A – B – C – D)	
Model	**Code**	**Standard**	**Optional**

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	3.1 LITER V6 (191 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LHO

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		60 deg. V, Front, Longitudinal, OHV
Manufacturer		General Motors Powertrain Division
No. of cylinders		6
Bore		89.025mm (3.50 in.)
Stroke		84mm (3.31 in.)
Bore spacing (C/L to C/L)		111.76mm (4.40 in.)
Cyl blck matl & mass kg(lbs.)(machined)		Cast Iron, 51.85 (114.2)
Cylinder block deck height		224.0mm (9.0 in.)
Cylinder block length		435.5mm (17.4 in.)
Deck clearance (minimum) (above or below block)		0.15mm (.006 in.), Above
Cyl. head material & mass kg (lbs.)		Cast Iron, 13.15 (29)
Cylinder head volume (cu.cm.) (cu.in.)		51.35 (3.13)
Cylinder liner material		Not Applicable
Head gasket thickness (compressed)		1.02mm (.040 in.)
Minimum combustion chamber total volume (cm. cu.) (cu. in.)		50.35 (3.07)
Cyl. no. system (front to rear)*	L. Bank	2-4-6
	R. Bank	1-3-5
Firing order		1-2-3-4-5-6
Intake manifold matl & mass kg (lbs)**		Inlet Plenum – Aluminum Alloy, 3.8 (8.4) Inlet Center Manifold – Aluminum Alloy, 2.4 (5.3) Inlet Lower Manifold – Aluminum Alloy, 3.2 (7.0)
Exh. manifold matl & mass kg (lbs)**		Nodular Cast Iron, Wt. Of Manifold, Right Side 3.705 (8.170); Wt. Of Other Manifold, 2.875 (6.339)
O Knock sensor (number & location)		1, Near Starter Motor And Solenoid
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		87
Engine mounts	Quantity	2
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	
Total dressed engine mass (wt) dry***		Not Available

Engine – Pistons

Material & mass, g (weight, oz.) – piston only	Aluminum Alloy, 388 (13.7)

Engine Camshaft

Location		Cylinder Block
Material & mass kg (weight, lbs.)		Cast Iron, 3.098 (6.83)
Drive type	Chain/belt	Chain
	Width/pitch	18.75 x 9.375 mm (.75 x .375 in.)

*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:

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code ELECTRONIC FUEL INJECTION RPO L03

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		90 deg. V, Front, Longitudinal
Manufacturer		General Motors Powertrain Division
No. of cylinders		8
Bore		94.89 mm (3.74 in.)
Stroke		88.39 mm (3.48 in.)
Bore spacing (C/L to C/L)		111.8 mm (4.40 in.)
Cyl blck matl & mass kg(lbs.)(machined)		Cast Iron, 68.674 (151.4)
Cylinder block deck height		229.4 mm (9.025 in.)
Cylinder block length		512.8 mm (20.19 in.)
Deck clearance (minimum) (above or below block)		.635 (.025) below
Cyl. head material & mass kg (lbs.)		Cast Iron, 19.800 (43.7)
Cylinder head volume (cu.cm.) (cu.in.)		55.2 +/- 2.2 (3.37 +/- 0.13)
Cylinder liner material		Not Applicable
Head gasket thickness (compressed)		.533 (.021)
Minimum combustion chamber total volume (cm. cu.) (cu. in.)		55.2 +/- 2.2 (3.37 +/- 0.13)
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 matl & mass kg (lbs.)**		Cast Aluminum, 6.900 (15.2)
Exh. manifold matl & mass kg (lbs.)**		Cast Iron, 4.345 (9.6) L.H., 3.800 (8.4) R.H.
O Knock sensor (number & location)		1, Right Side Of Block
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		87
Engine mounts	Quantity	2
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	
Total dressed engine mass (wt) dry***		275.1 kg. (606.5 lbs.) Auto. 290.8 kg. (641.1 lbs.) Man.

Engine – Pistons

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

Engine Camshaft

Location		Cylinder Block Above Crankshaft
Material & mass kg (weight, lbs.)		Steel, 4.124 (9.1)
Drive type	Chain/belt	Chain
	Width/pitch	15.87mm (.625 in.) / 12.7mm (.500 in.)

*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 the engine a complete ready-to-run unit.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code 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-chamber, etc.)			90 deg. V, Front, Longitudinal
Manufacturer			General Motors Powertrain Division
No. of cylinders			8
Bore			94.89 mm (3.74 in.)
Stroke			88.39 mm (3.48 in.)
Bore spacing (C/L to C/L)			111.8 mm (4.40 in.)
Cyl blck matl & mass kg(lbs.)(machined)			Cast Iron, 68.674 (151.4)
Cylinder block deck height			229.4 mm (9.025 in.)
Cylinder block length			512.8 mm (20.19 in.)
Deck clearance (minimum) (above or below block)			.635 mm (.025 in.) Below
Cyl. head material & mass kg (lbs.)			Cast Iron, 19.800 (43.7)
Cylinder head volume (cu.cm.) (cu.in.)			55.2 +/- 2.2 (3.37 +/- 0.13)
Cylinder liner material			Not Applicable
Head gasket thickness (compressed)			.724 (.0285)
Minimum combustion chamber total volume (cm. cu.) (cu. in.)			55.2 +/- 2.2 (3.37 +/- 0.13)
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 matl & mass kg (lbs.)**			Cast Aluminum, 6.117 (13.5)
Exh. manifold matl & mass kg (lbs.)**			Cast Iron, L.H. 4.460 (9.8), R.H. 3.800 (8.4)
O Knock sensor (number & location)			1, Right Side Of Block
Fuel required unleaded, diesel, etc.			Unleaded
Fuel antiknock index (R + M) / 2			91
Engine mounts	Quantity		2
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)		Elastomeric
	Added isolation (sub-frame, crossmember, etc.)		
Total dressed engine mass (wt) dry***			282.4 kg. (623 lbs.) Auto. 297.9 kg. (657 lbs.) Man.

Engine – Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum Alloy, .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 the engine a complete ready-to-run unit.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	TUNED PORT FUEL INJECTION RPO L98

ENGINE – GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)		90 deg. V, Front, Longitudinal
Manufacturer		General Motors Powertrain Division
No. of cylinders		8
Bore		101.6 mm (4.00 in.)
Stroke		88.4 mm (3.48 in.)
Bore spacing (C/L to C/L)		111.8 mm (4.40 in.)
Cyl blck matl & mass kg(lbs.)(machined)		Cast Iron, 68.674 (151.5)
Cylinder block deck height		229.4 mm (9.025 in.)
Cylinder block length		506.2 mm (19.93 in.)
Deck clearance (minimum) (above or below block)		.635 mm (.025 in.), Below
Cyl. head material & mass kg (lbs.)		Cast Iron, 19.800 (43.7)
Cylinder head volume (cu.cm.) (cu.in.)		55.9 (3.40)
Cylinder liner material		Not Applicable
Head gasket thickness (compressed)		.724 mm (.0285 in.)
Minimum combustion chamber total volume (cm. cu.) (cu. in.)		75.47 (4.60) 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 matl & mass kg (lbs.)**		Cast Aluminum, 6.117 (13.5)
Exh. manifold matl & mass kg (lbs.) **		Cast Iron, L.H. 4.460 (9.8), R.H. 3.800 (8.4)
O Knock sensor (number & location)		1, Right Side Of Block
Fuel required unleaded, diesel, etc.		Unleaded
Fuel antiknock index (R + M) / 2		91
Engine mounts	Quantity	2
	Matl and type (elastomeric, hydroelastic, hydraulic damper, etc.)	Elastomeric
	Added isolation (sub-frame, crossmember, etc.)	
Total dressed engine mass (wt) dry***		284.5 kg. (627 lbs.) Auto.

Engine – Pistons

Material & mass, g (weight, oz.) – piston only	Impacted Cast Aluminum, .540 (1.2)

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 the engine a complete ready-to-run unit.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Description	3.1 LITER V6 (191 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LHO

Engine – Valve System

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

Engine – Connecting Rods

Material & mass kg., (weight, lbs.)*	Forged Steel, .592 (1.30) Full Assembly.
Length(axes centerline to centerline)	144.78 mm (5.7 in.)

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron, 17.9 (39.5)
End thrust taken by bearing (no.)		3
Length & number of main bearings		**, 4 Bearings
Seal (material, one, two piece design, etc.)	Front	Viton/Steel, One Piece
	Rear	Viton/Steel, One Piece

Engine – Lubrication System

Normal oil pressure kPa (psi) @ eng rpm	345-450 (50-65) @ 2400
Type oil intake (floating, stationary)	Stationary
Oil filter sys. (full flow,part, other)	Full Flow
Capacity of c/case,less filter-refill-L (qt.)	Refill W/W.O. Filter 3.8 (4.0)

Engine – Diesel Information (NOT APPLICABLE)

Diesel engine manufacturer		
Glow plug, current drain at 0 deg. F		
Injector Nozzle	Type	
	Opening pressure kPa (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel inj. 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 (NOT APPLICABLE)

Turbo charger – manufacturer	
Super charger – manufacturer	
Intercooler	

* Finished State

** Standard Measurement For Width Only:

For 3.1L V6; #1,4 = 29.5mm (1.16 in.); #2,3 = 24.0mm (0.94 in.)

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Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.0 LITER V8 (305 CID)
Engine Code	ELECTRONIC FUEL INJECTION RPO L03

Engine – Valve System

Hydraulic lifters (std., opt., n.a.)		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.)*	Steel, .388 (.855)
Length(axes centerline to centerline)	144.78mm (5.7 in.)

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron, 23.360 (51.50)
End thrust taken by bearing (no.)		5
Length & number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Fluroelastomer, One Piece, Lip Seal
	Rear	Fluroelastomer, One Piece, Lip Seal

Engine – Lubrication System

Normal oil pressure kPa (psi) @ eng rpm	41 (6) @ 1000/124 (18) @ 2000/165 (24) @ 4000 (Hot)
Type oil intake (floating, stationary)	Stationary
Oil filter sys. (full flow,part, other)	Full Flow
Capacity of c/case,less filter–refill–L (qt.)	3.8 (4.0)

Engine – Diesel Information (NOT APPLICABLE)

Diesel engine manufacturer		
Glow plug, current drain at 0 deg. F		
Injector Nozzle	Type	
	Opening pressure kPa (psi)	
Pre-chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel inj. 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 (NOT APPLICABLE)

Turbo charger – manufacturer	
Super charger – manufacturer	
Intercooler	

* Finished State

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.0 LITER V8 (305 CID)
Engine Code	TUNED PORT FUEL INJECTION RPO LB9

Engine – Valve System

Hydraulic lifters (std., opt., n.a.)		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.)*	Steel, .388 (.85)
Length(axes centerline to centerline)	144.78mm (5.7 in.)

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron, 23.360 (51.50)
End thrust taken by bearing (no.)		5
Length & number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Fluroelastomer / One Piece, Lip Seal
	Rear	Fluroelastomer / One Piece, Lip Seal

Engine – Lubrication System

Normal oil pressure kPa (psi) @ eng rpm	41 (6) @ 1000/124 (18) @ 2000/165 (24) @ 4000 (Hot) **
Type oil intake (floating, stationary)	Stationary
Oil filter sys. (full flow,part, other)	Full Flow
Capacity of c/case,less filter–refill–L (qt.)	3.8 (4.0)

Engine – Diesel Information (NOT APPLICABLE)

Diesel engine manufacturer		
Glow plug, current drain at 0 deg. F		
Injector Nozzle	Type	
	Opening pressure kPa (psi)	
Pre–chamber design		
Fuel injection pump	Manufacturer	
	Type	
Fuel inj. 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 (NOT APPLICABLE)

Turbo charger – manufacturer	
Super charger – manufacturer	
Intercooler	

* Finished State

** 485–585 (70–85) @ 2000 With Manual Transmission.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	TUNED PORT FUEL INJECTION RPO L98

Engine – Valve System

Hydraulic lifters (std., opt., n.a.)		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.)*	Steel, .388 (.85)
Length(axes centerline to centerline)	144.78mm (5.7 in.)

Engine – Crankshaft

Material & mass kg., (weight, lbs.)*		Nodular Cast Iron, 23.360 (51.50)
End thrust taken by bearing (no.)		5
Length & number of main bearings		5
Seal (material, one, two piece design, etc.)	Front	Fluroelastomer, One Piece, Lip Seal
	Rear	Fluroelastomer, One Piece, Lip Seal

Engine – Lubrication System

Normal oil pressure kPa (psi) @ eng rpm	41 (6) @ 1000/124 (18) @ 2000/165 (24) @ 4000 (Hot)
Type oil intake (floating, stationary)	Stationary
Oil filter sys. (full flow,part, other)	Full Flow
Capacity of c/case,less filter–refill–L (qt.)	3.8 (4.0)

Engine – Diesel Information (NOT APPLICABLE)

Diesel engine manufacturer		
Glow plug, current drain at 0 deg. F		
Injector Nozzle	Type	
	Opening pressure kPa (psi)	
Pre–chamber design		
Fuel in–jection pump	Manufacturer	
	Type	
Fuel inj. 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 (NOT APPLICABLE)

Turbo charger – manufacturer	
Super charger – manufacturer	
Intercooler	

* Finished State

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

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 @ deg's C(F)	91 (195)	
Water Pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	15.5	
	Number of pumps	1	
	Drive (V-belt, other)	Single Belt Poly 'V' Accessory Drive (Serpentine)	
	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.)	13.87 (14.66)	
	With air conditioner-L(qt.)	13.87 (14.66)	
	Opt. equip.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 Auto	Standard	A/C
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube	
	Matl., mass kg (wgt.,lbs.)	Aluminum, High Efficiency Radiator	
	Width	667.5 mm	667.5 mm
	Height	437.8 mm	437.8 mm
	Thickness	23.5 mm	23.5 mm
	Fins per inch @	3.5 mm	3.5 mm
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 crnkshft.rev.)	Not Available	
	Fan cutout type	ECM Controlled	
	Drive type (direct, remote)	--	
	RPM at idle (elec.)	1900-2100	
	Motor rating(wattage)(elec)	150W	
	Motor switch (type & location/elec.)	Part ECM	
	Switch point (temp./ pressure/elec.)	108 deg. C (226 deg. F)	
	Fan shroud (material)	Plastic (Integral Partial Shroud)	

@ - Distance Between Top Of Fins.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code ELECTRONIC FUEL INJECTION RPO L03

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 (15.0)	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open @ deg's C(F)	90.6 (195)	
Water Pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	14 (Total Cooling System Flow)	
	Number of pumps	1	
	Drive (V-belt, other)	Single Belt Poly 'V' Accessory Drive (Serpentine)	
	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.)	16.4 (17.33)	
	With air conditioner-L(qt.)	17.01 (17.97)	
	Opt. equip.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 Auto	Standard	A/C
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube	
	Matl., mass kg (wgt.,lbs.)	Aluminum, High Efficiency Radiator	
	Width	667.5 mm	667.5 mm
	Height	437.8 mm	437.8 mm
	Thickness	23.5 mm	34.0 mm
	Fins per inch @	4.0 mm	2.5 mm
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Standard	Optional
	Number of blades & type (flex, solid, material)	5 Plastic, Solid	
	Diameter & projected width	423.0 (16.7)	
	Ratio(fan to crnkshft.rev.)	Not Applicable	
	Fan cutout type	ECM Controlled	
	Drive type (direct, remote)	--	
	RPM at idle (elec.)	1900-2100	
	Motor rating(wattage)(elec)	150W	
	Motor switch (type & location/elec.)	Temp Switch Engine Cylinder Head	A/C Control Head & A/C Pressure Switch On Liquid Line
	Switch point (temp./ pressure/elec.)	223 deg. F	
	Fan shroud (material)	Plastic (Integral Partial Shroud)	

@ - Distance Between Top Of Fins.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code TUNED PORT FUEL INJECTION RPO LB9

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 @ deg's C(F)	90.6 (195)	
Water Pump	Type (centrifugal, other)	Centrifugal	
	GPM 1000 pump rpm	12 (Total Cooling System Flow)	
	Number of pumps	1	
	Drive (V-belt, other)	Single Belt Poly 'V' Accessory Drive (Serpentine)*	
	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.)	16.19 (17.11)	
	With air conditioner-L(qt.)	16.33 (17.26)	
	Opt. equip.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	Standard	
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube	
	Matl., mass kg (wgt.,lbs.)	Aluminum, High Efficiency Radiator	
	Width	667.5 mm	
	Height	437.8 mm	
	Thickness	34.0 mm	
	Fins per inch @	2.5 mm	
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Standard	A/C
	Number of blades & type (flex, solid, material)	5, Plastic, Ring	
	Diameter & projected width	423.0 (16.7)	318.0 (12.5), Each
	Ratio(fan to crnkshft.rev.)	Not Applicable	
	Fan cutout type	ECM Controlled	ECM (LH), Switch (RH)
	Drive type (direct, remote)	--	
	RPM at idle (elec.)	--	
	Motor rating(wattage)(elec)	150W	150W LH/RH
	Motor switch (type & location/elec.)	ECM	LH-ECM & A/C Pressure Switch RH-A/C Pressure Switch/ECM
	Switch point (temp.,/ pressure/elec.)	1900-2100	2100-2200
	Fan shroud (material)	Plastic (Integral Shroud)	Plastic (Unshrouded Ring)

@ - Distance Between Top Of Fins.

* - 21.36mm (0.84") Wide, 5.20mm (0.20") Thick With Uniform Dynamic Tensioner.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.7 LITER V8 (350 CID)
Engine Code 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 (15.0)	
Circulation thermostat	Type (choke, bypass)	Choke	
	Starts to open @ deg's C(F)	90.6 (195)	
Water Pump	Type (centrifugal, other)	Centrifugal With Cast Aluminum Housing	
	GPM 1000 pump rpm	13	
	Number of pumps	1	
	Drive (V-belt, other)	Single Belt Poly 'V' Accessory Drive (Serpentine)*	
	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.)	15.55 (16.43)	
	With air conditioner-L(qt.)	15.55 (16.43)	
	Opt. equip.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	A/C, Standard	
	Type (cross-flow, etc.)	Cross-Flow	
	Construction (fin & tube mechanical, braze, etc.)	Fin & Tube	
	Matl., mass kg (wgt.,lbs.)	Aluminum Header, Tubes And Fins, Plastic Tanks	
	Width	667.5 mm	
	Height	437.8 mm	
	Thickness	34.0 mm	
	Fins per inch @	2.5 mm	
Radiator end tank material		Plastic	
Fan	Std., elec., opt.	Standard	A/C
	Number of blades & type (flex, solid, material)	5-Blades, High Efficiency Curved Blades And Ring Shroud, Plastic	
	Diameter & projected width	423.0 (16.7)	318.0 (12.5), Each
	Ratio(fan to crnkshft.rev.)	--	
	Fan cutout type	ECM Controlled	ECM (LH), Switch (RH)
	Drive type (direct, remote)		
	RPM at idle (elec.)		
	Motor rating(wattage)(elec)	150W	150W LH/RH
	Motor switch (type & location/elec.)	ECM	LH - ECM & A/C Pressure Switch RH - A/C Pressure Switch/ECM
	Switch point (temp./ pressure/elec.)	1900-2100	2100-2200
	Fan shroud (material)	Plastic (Integral Ring)	Plastic (Unshrouded Ring)

@ - Distance Between Top Of Fins.

* - 21.36mm (0.84") Wide, 5.20mm (0.20") Thick With Uniform Dynamic Tensioner.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		AC/Rochester Products
Carburetor no. of barrels		None
Idle A/F mix.		Preset-No Adjustment Provided
Fuel Injection	Point of inj. (no.)	Fuel Injectors At Inlet Ports (6)
	Constant, pulse, flow	Pulse
	Control (elec., mech.)	Electronic
	Sys. press. kPa (psi)	300 (43.5), Regulated To Manifold Pressure
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	800 In Neutral
	Automatic	700 In Neutral, 650 In Drive
Intake manifold heat control (exhaust or water thermostatic or fixed)		None
Air cleaner type		Single Snorkel, Replaceable Paper Element
Fuel filter (type/location)		Replaceable Stainless Steel (With Paper Element) Located Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Press. range kPa (psi)	Pressure Depends On Flow Rate And System Voltage
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	62.4 @ 350 (16.51 @ 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, Steel
	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	"
	Sletr switch or valve	"
	Separate fill	"

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code ELECTRONIC FUEL INJECTION RPO L03

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		AC/Rochester Products
Carburetor no. of barrels		None
Idle A/F mix.		Preset - No Adjustment Provided
Fuel injection	Point of inj. (no.)	Fuel Injection At Throttle Body (2)
	Constant, pulse, flow	Pulse
	Control (elec., mech.)	Electronic
	Sys. press. kPa (psi)	76 (11.0)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	--
	Automatic	--
Intake manifold heat control (exhaust or water thermostatic or fixed)		Exhaust
Air cleaner type		Replaceable Paper Element, Single Snorkel
Fuel filter (type/location)		Replaceable Stainless Steel (With Paper Element) Located Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Press. range kPa (psi)	Pressure Depends On Flow Rate And System Voltage
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	113 @ 83 (29.84 @ 12.0)

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, Steel
	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	"
	Sletr switch or valve	"
	Separate fill	"

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code TUNED PORT FUEL INJECTION RPO LB9

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		AC/Rochester Products
Carburetor no. of barrels		None
Idle A/F mix.		Preset - No Adjustment Provided
Fuel injection	Point of inj. (no.)	Fuel Injection At Inlet Ports (8)
	Constant, pulse, flow	Pulse
	Control (elec., mech.)	Electronic
	Sys. press. kPa (psi)	300 (44)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	--
	Automatic	--
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water
Air cleaner type		Replaceable Dual Paper Elements
Fuel filter (type/location)		Replaceable Stainless Steel (With Paper Element) Located Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Press. range kPa (psi)	Pressure Depends On Flow Rate And System Voltage
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	93.3 @ 350 (24.65 @ 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, Steel
	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	"
	Sictr switch or valve	"
	Separate fill	"

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.7 LITER V8 (350 CID)
Engine Code TUNED PORT FUEL INJECTION RPO L98

Engine – Fuel System

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

Induction type: carburetor, fuel injection system, etc.		Fuel Injection
Manufacturer		AC/Rochester Products
Carburetor no. of barrels		None
Idle A/F mix.		Preset – No Adjustment Provided
Fuel injection	Point of inj. (no.)	Fuel Injection At Inlet Ports (8)
	Constant, pulse, flow	Pulse
	Control (elec., mech.)	Electronic – On Board Computer
	Sys. press. kPa (psi)	300 (43.5)
Idle spd.–rpm (spec. neutral or drive and propane if used)	Manual	--
	Automatic	--
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water, Thermostat
Air cleaner type		Replaceable Dual Paper Element
Fuel filter (type/location)		Replaceable Stainless Steel (With Paper Element) Located Near Fuel Tank
Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	Fuel Tank
	Press. range kPa (psi)	Pressure Depends On Flow Rate And System Voltage
	Flow rate at regulated pressure (L (gal)/hr @ kPa (psi))	93.3 @ 350 (24.65 @ 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, Steel
	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	"
	Sictr switch or valve	"
	Separate fill	"

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

Vehicle Emission Control

			AUTOMATIC	MANUAL
Exhaust Emission Control	Type (air injection, engine modifications, other)		Computer Command Control	
	Air injection	Pump or pulse	Pump	
		Driven by	Belt	
		Air distribution (head, manifold, etc.,)	Exhaust Manifold	Catalytic Converter
		Point of entry	Exhaust Manifold	Catalytic Converter
	Exhaust Gas Recircu-lation	Type (controlled flow, open orifice, other)	ECM Controlled	
		Exhaust source	Exhaust Manifold	
		Point of exh.inj. (spacer, carb., manifold, other)	Inlet Manifold	
	Catalytic Converter	Type	Single Bed, Oxidizing & Reducing	Dual Bed Oxidizing & Reducing
		Number of	1	
		Location(s)	Beneath RF Underbody	
		Volume L (cu.in)	2.78 (170)	
		Substrate type	Monolith	
		Noble metal type	Platinum (Pt), Rhodium (Rh)	Plat.(Pt), Palad.(Pd), Rho.(Rh)
		Noble metal concentration (g/cu. cm.)	0.000838	0.001082
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 inlt(breather cap,other)		Air Inlet Duct	
Evapora-tive Emission Control	Vapor vented to (crankcase, canister,other)	Fuel tank	Canister	
		Carburetor	--	
	Vapor storage provision		Canister	
Electron-ic 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.)			1, Reverse Flow
Resonator no. & type			None
* Exhaust pipe	Branch o.d., wall thickness		(a)
	Main o.d., wall thickness		(b)
	Matl. & Mass kg (wght.lbs.)		See Notes 4.53 (10.0)
Inter-mediate pipe	o.d. & wall thickness		57.15 x 1.09 mm (2.25 x 0.04 in.)
	Matl. & Mass kg (wght.lbs.)		Aluminum Coated Steel
* Tail pipe	o.d. & wall thickness		
	Matl. & Mass kg (wght.lbs.)		Aluminum Coated Steel, 3.231 (7.1)

* Muffler And Tailpipe Unit 7.62 (16.8).

(SEE FOOTNOTES ON PAGE 7A).

NOTES:

(a) Left Hand/Right Hand Branch – Stainless Steel Laminated; 50.8 x 0.76 Outer Tube, With 0.76 Thick Stainless Steel Inner Tube.

(b) Stainless Steel Laminated; 57.15 x 0.76 Outer Tube With Stainless Steel Inner Tube 0.76 Thick.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code ELECTRONIC FUEL INJECTION RPO L03

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection W/Computer Command Control
	Air injection	Pump or pulse	Pump Vane
		Driven by	Serpentine Belt
		Air distribution (head, manifold, etc.,)	Exhaust Manifold And Catalytic Converter
		Point of entry	Exhaust Manifold
	Exhaust Gas Recircu-lation	Type (controlled flow, open orifice, other)	Back Pressure Modulated
		Exhaust source	Manifold Exhaust Crossover
		Point of exh.inj. (spacer, carb., manifold, other)	Inlet Manifold
	Catalytic Converter	Type	Dual Bed (Oxidizing And Reducing)
		Number of	One
		Location(s)	Beneath RF Underbody
		Volume L (cu.in)	2.78 (170)
		Substrate type	Monolith
		Noble metal type	Platinum (Pt), Palladium (Pd), Rhodium (Rh)
		Noble metal concentration (g/cu. cm.)	
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)		Throttle Body
	Air init(breather cap,other)		Air Cleaner
Evapora-tive Emission Control	Vapor vented to (crankcase, canister,other)	Fuel tank	Canister
		Carburetor	Canister
	Vapor storage provision		Canister
Electron-ic 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.)			1, Reverse Flow
Resonator no. & type			None
Exhaust pipe	Branch o.d., wall thickness		(a)
	Main o.d., wall thickness		(b)
	Matl. & Mass kg (wght.lbs.)		(See Notes) 4.07 (9.0)
* Inter-mediate pipe	o.d. & wall thickness		57.15 x 1.14 mm (2.25 x .045 in.)
	Matl. & Mass kg (wght.lbs.)		Aluminum Coated Steel
* Tail pipe	o.d. & wall thickness		63.5 x 1.07 mm (2.25 x 0.042 in.)
	Matl. & Mass kg (wght.lbs.)		Aluminum Coated Steel

* Muffler And Tailpipe Unit 8.732 (19.3).

(SEE FOOTNOTES ON PAGE 7C).

NOTES:

(a) Left Hand/Right Hand Branch - Stainless Steel Laminated; 50.8 x 0.76 Outer Tube, With 0.76 Thick Stainless Steel Inner Tube.

(b) Stainless Steel Laminated; 57.15 x 0.76 Outer Tube With Stainless Steel Inner Tube 0.76 Thick.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code TUNED PORT FUEL INJECTION RPO LB9

Vehicle Emission Control

			Single Converter (Without N10)	Dual Converters (With N10)
Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection W/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 Recircu-lation	Type (controlled flow, open orifice, other)	Back Pressure Modulated Controlled Flow	
		Exhaust source	Manifold	
		Point of exh.inj. (spacer, carb., manifold, other)	Inlet Manifold	
	Catalytic Converter	Type	Dual Bed, Oxidizing & Reducing	
		Number of	1	2
		Location(s)	Beneath RF Underbody	
		Volume L (cu.in)	2.78 (170)	
		Substrate type	Monolith	
		Noble metal type	Platinum (Pt), Palladium (Pd), Rhodium (Rh)	
		Noble metal concentration (g/cu. cm.)	0.001096	
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 inlt(breather cap,other)		Throttle Body	
Evapora-tive Emission Control	Vapor vented to (crankcase, canister,other)	Fuel tank	Canister	
		Carburetor	--	
	Vapor storage provision		Canister	
Electron-ic System	Closed loop (yes/no)		Yes	
	Open loop (yes/no)		No	

Engine - Exhaust System

			Single Converter (Without N10)	Dual Converters (With N10)
	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.)		1, Reverse Flow	
	Resonator no. & type		None	
	Exhaust pipe	Branch o.d., wall thickness	(a)	(c)
		Main o.d., wall thickness	(b)	(d)
		Matl. & Mass kg (wght.lbs.)	4.07 (9.0)	15.68 (34.6)
*	Inter-mediate pipe	o.d. & wall thickness	57.15 x 1.14mm (2.25 x .045 in.)	69.85 x 1.40mm (2.75 x 0.05 in.)
		Matl. & Mass kg (wght.lbs.)	Aluminum Coated Steel	
*	Tail pipe	o.d. & wall thickness	63.5 x 1.07 mm (2.25 x .04 in.)	
		Matl. & Mass kg (wght.lbs.)	Aluminum Coated Steel	

* Muffler & tailpipe unit 8.845 (19.5).

(SEE FOOTNOTES ON PAGE 7E)

(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.
(c) 57.15 x 1.37 Thickwall Stainless Steel.
(d) 63.5 x 1.37 Thickwall Stainless Steel.
W-Tube 69.85 x 1.37 Thickwall Stainless Steel.

NOTE: The Exhaust Pipe Has Two Converters, One In Each Branch Of The Pipe.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.7 LITER V8 (350 CID)
Engine Code TUNED PORT FUEL INJECTION RPO L98

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		Air Injection W/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 Recircu-lation	Type (controlled flow, open orifice, other)	Back Pressure Modulated Controlled Flow
		Exhaust source Point of exh.inj. (spacer, carb., manifold, other)	Manifold Inlet Manifold
	Catalytic Converter	Type	Dual Bed, Oxidizing & Reducing
		Number of	2
		Location(s)	Beneath RF Underbody
		Volume L (cu.in)]	2.78 (170)
		Substrate type	Monolith
		Noble metal type	Platinum (Pt), Palladium (Pd), Rhodium (Rh)
		Noble metal concentration (g/cu. cm.)	0.001096
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 inlt(breather cap,other)		Throttle Body
Evapora-tive Emission Control	Vapor vented to (crankcase, canister,other)	Fuel tank	Canister
		Carburetor	--
	Vapor storage provision		Canister
Electron-ic System	Closed loop (yes/no)		Yes
	Open loop (yes/no)		No

Engine – Exhaust System

Dual Converters (With N10)

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.)		1, Reverse Flow
Resonator no. & type		None
Exhaust pipe	Branch o.d., wall thickness	(a)
	Main o.d., wall thickness	(b)
	Matl. & Mass kg (wght.lbs.)	15.68 (34.6)
* Inter-mediate pipe	o.d. & wall thickness	69.85 x 1.40 mm (2.75 x 0.05 in.)
	Matl. & Mass kg (wght.lbs.)	Aluminum Coated Steel
* Tail pipe	o.d. & wall thickness	63.5 x 1.07 mm (2.25 x .04 in.)
	Matl. & Mass kg (wght.lbs.)	Aluminum Coated Steel

(a) 57.15 x 1.37 Thickwall Stainless Steel.

(b) 63.5 x 1.37 Thickwall Stainless Steel. W-Tube 69.85 x 1.37 Thickwall Stainless Steel.

* Muffler & Tailpipe Unit 8.845 (19.5).

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	3.1 LITER V6 (191 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LHO

O Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Standard, Borg Warner/U.S.A. (MB1)
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Optional, Hydramatic/U.S.A. (MD8)
Auto. overdrive (manufacturer/country)	Optional

Manual Transmission/Transaxle (MB1)

Number of forward speeds		5
O Gear ratios	1st	4.03
	2nd	2.37
	3rd	1.50
	4th	1.00
	5th	0.76
	6th	Not Applicable
	Reverse	3.76
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor
Trans. case mat'l. & mass kg (lbs)*		Aluminum
Lubricant	Capacity L (pt.)	2.8 (5.9)
	Type recommended	Dexron II

Clutch (Manual Transmission)

Clutch manufacturer		Belleville
Clutch type (dry, wet; single, multiple disc)		Dry Disc
Linkage (hyd., cable, rod, lever, other)		Hydraulic
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	130
	Released	
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		5750 (1293)
Clutch facing	Facing mfgr. & matl. coding	Valeo/F202
	Facing matl. & construction	Non-Asbestos
	Rivets per facing	16
	Outside x inside dia. (nom.)	232.0 x 155.0 mm (9.125 x 6.125 in.)
	Total eff.area sq cm(sq in)	234.0 (36.28)
	Thickness (pressure plate side/fly wheel side)	3.2/3.2
	Rivet depth (pressure plate side/fly wheel side)	1.1 mm (.043 in.)
	Engagement cushion method	Driven Plate Wave Spoke Springs
Release bearing type & method lub.		Self Centering Angular Contact Ball Bearing Pre-Packed And Sealed
Torsional damping method, springs, hysteresis		Coil Springs With Non-Metal Friction Control

* Includes shift linkage, lubricant, and clutch housing. If other specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.0 LITER V8 (305 CID)
Engine Code	ELECTRONIC FUEL INJECTION RPO L03

o Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Standard
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Optional
Auto. overdrive (manufacturer/country)	Optional

Manual Transmission/Transaxle (M39)

Number of forward speeds		5
o Gear ratios	1st	2.95
	2nd	1.94
	3rd	1.34
	4th	1.00
	5th	0.63
	6th	Not Applicable
	Reverse	2.76
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor
Trans. case mat'l. & mass kg (lbs)*		Aluminum
Lubricant	Capacity L (pt.)	2.8 (5.9)
	Type recommended	Dexron II

Clutch (Manual Transmission)

Clutch manufacturer		Belleville
Clutch type (dry, wet; single, multiple disc)		Dry Disc
Linkage (hyd., cable, rod, lever, other)		Hydraulic
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	150
	Released	
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		7750 (1742)
Clutch facing	Facing mfgr. & matl. coding	Valeo/F202
	Facing matl. & construction	Non-Asbestos
	Rivets per facing	18
	Outside x inside dia. (nom.)	254.0 x 165.0 mm (10.0 x 6.5 in.)
	Total eff. area sq cm (sq in)	293.0 (45.43)
	Thickness (pressure plate side/fly wheel side)	3.45/3.45
	Rivet depth (pressure plate side/fly wheel side)	1.1 mm (.043 in.)
	Engagement cushion method	Driven Plate Wave Spoke Springs
Release bearing type & method lub.		Self Centering Angular Contact Ball Bearing Pre-Packed And Sealed
Torsional damping method, springs, hysteresis		Coil Springs With Non-Metal Friction Control

* Includes shift linkage, lubricant, and clutch housing. If other specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.0 LITER V8 (305 CID)
Engine Code	TUNED PORT FUEL INJECTION RPO LB9

o Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Standard
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Optional
Auto. overdrive (manufacturer/country)	Optional

Manual Transmission/Transaxle

		(M39)	(MK6)
Number of forward speeds		5	5
Gear ratios	1st	2.95	2.95
	2nd	1.94	1.94
	3rd	1.34	1.34
	4th	1.00	1.00
	5th	0.63	0.73
	6th	Not Applicable	Not Applicable
	Reverse	2.76	2.76
Synchronous meshing (specify gears)		All Forward Gears	
Shift lever location		Floor	
Trans. case mat'l. & mass kg (lbs)*		Aluminum	
Lubricant	Capacity L (pt.)	2.8 (5.9)	
	Type recommended	Dexron II	

Clutch (Manual Transmission)

Clutch manufacturer		Belleville
Clutch type (dry, wet; single, multiple disc)		Dry Disc
Linkage (hyd., cable, rod, lever, other)		Hydraulic
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	150
	Released	
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Diaphragm
Total spring load (nominal) N (lbs.)		7750 (1742)
Clutch facing	Facing mfgr. & matl. coding	Valeo/F202
	Facing matl. & construction	Non-Asbestos
	Rivets per facing	18
	Outside x inside dia. (nom.)	267.0 x 165.0 mm (10.5 x 6.5 in.)
	Total eff. area sq cm(sq in)	346.0 (53.6)
	Thickness (pressure plate side/fly wheel side)	3.45/3.45
	Rivet depth (pressure plate side/fly wheel side)	1.1 mm (.043 in.)
	Engagement cushion method	Driven Plate Wave Spoke Springs
Release bearing type & method lub.		Self Centering Angular Contact Ball Bearing Pre-Packed And Sealed
Torsional damping method, springs, hysteresis		Coil Springs With Non-Metal Friction Control

* includes shift linkage, lubricant, and clutch housing. If other specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (305 CID)
Engine Code	TUNED PORT FUEL INJECTION RPO L98

o Transmissions/Transaxle (Std., Opt., N.A.)

Manual 4-speed (manufacturer/country)	Not Applicable
Manual 5-speed (manufacturer/country)	Not Available
Manual 6-speed (manufacturer/country)	Not Applicable
Automatic (manufacturer/country)	Standard
Auto. overdrive (manufacturer/country)	Standard

Manual Transmission/Transaxle (NOT AVAILABLE)

Number of forward speeds		
o Gear ratios	1st	
	2nd	
	3rd	
	4th	
	5th	
	6th	
	Reverse	
Synchronous meshing (specify gears)		
Shift lever location		
Trans. case mat'l. & mass kg (lbs)*		
Lubricant	Capacity L (pt.)	
	Type recommended	

Clutch (Manual Transmission) (NOT AVAILABLE)

Clutch manufacturer		
Clutch type (dry, wet; single, multiple disc)		
Linkage (hyd., cable, rod, lever, other)		
Max. pedal effort (nom. spring load) N (lbs.)	Depressed	
	Released	
Assist (spring, power/percent, nominal)		
Type pressure plate springs		
Total spring load (nominal) N (lbs.)		
Clutch facing	Facing mfgr. & matl. coding	
	Facing matl. & construction	
	Rivets per facing	
	Outside x inside dia. (nom.)	
	Total eff.area sq cm (sq in)	
	Thickness (pressure plate side/fly wheel side)	
	Rivet depth (pressure plate side/fly wheel side)	
	Engagement cushion method	
Release bearing type & method lub.		
Torsional damping method, springs, hysteresis		

* Includes shift linkage, lubricant, and clutch housing. If other specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Description 3.1 LITER V6 (191 CID)
Engine Code MULTI-PORT FUEL INJECTION RPO LHO

Automatic Transmission/Transaxle

Trade Name		4L60
Type and special features (describe)		4-Speed Automatic Torque Converter with Clutch
Gear selector	Location (column, floor, other)	On Floor Console
	Ltr./No. designation (e.g. PRND21)	P-R-N-(D)-D-2-1
	Shift interlock (yes, no, describe)	
Gear ratios	1st	3.06
	2nd	1.63
	3rd	1.00
	4th	0.70 (Converter Clutch Engagement)
	5th	Not Applicable
	6th	"
	Reverse	2.29
Max. upshift speed - drive range km/h (mph)		1-2 = 63 (39) 2-3 = 117 (73)
Max. kickdown speed - drive range km/h (mph)		3-2 = 111 (69) 2-1 = 58 (36)
Min. overdrive speed km/h (mph)		51 (32)
Torque converter	Number of elements	3
	Max. ratio at stall	2.16
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	245mm (9.7 in.)
	Capacity factor "K"*	160
Lubricant	Capacity refill L (pt.)	4.7 (10)
	Type recommended	Dexron II
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, Integral With Radiator
Trans. mass kg (lbs) & case matl. **		Aluminum, 75.9 (167.35)

All Wheel / 4 Wheel Drive (NOT APPLICABLE)

Desc. & type (part-time, full-time, 2/4 shift while moving, mech., elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split(% frt/rear)	

* Input speed / square root of torque.
** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code ELECTRONIC FUEL INJECTION RPO L03

Automatic Transmission/Transaxle (See Power Teams for Transmission Usage)

Trade Name		'700-R4'	'200-4R'
Type and special features (describe)		4-Speed Automatic Torque Converter With Planetary Gears	
Gear selector	Location (column, floor, other)	Steering Column	
	Ltr./No. designation (e.g. PRND21)	P-R-N-(D)-D-2-1	
	Shift interlock (yes, no, describe)		
Gear ratios	1st	306	2.74
	2nd	1.63*	1.57
	3rd	1.00*	1.00*
	4th	0.70*	0.67*
	5th	Not Applicable	Not Applicable
	6th	"	"
	Reverse	2.29	2.07
Max. upshift speed - drive range km/h (mph)		1-2 = 60 (37.5) 2-3 = 108 (67)	Not Available
Max. kickdown speed - drive range km/h (mph)		3-2 = 100 (62) 2-1 = 45 (28)	" "
Min. overdrive speed km/h (mph)		67 (41.5)	"
Torque converter	Number of elements	3	
	Max. ratio at stall	5.8:1	Not Available
	Type of cooling (air, liquid)	Liquid	
	Nominal diameter	298 (11.75)	
	Capacity factor "K"*		
Lubricant	Capacity refill L (pt.)	3.0 (6.3)	
	Type recommended	Dexron II	
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard, Integral With Radiator	
Trans. mass kg (lbs) & case matl. **		Aluminum	

All Wheel / 4 Wheel Drive (NOT AVAILABLE)

Desc. & type (part-time, full-time, 2/4 shift while moving, mech., elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split(% frt/rear)	

* Input speed / square root of torque.
** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code TUNED PORT FUEL INJECTION RPO LB9

Automatic Transmission/Transaxle

Trade Name		700-R4
Type and special features (describe)		4-Speed Automatic Torque Converter With Clutch
Gear selector	Location (column, floor, other)	Floor Console
	Ltr./No. designation (e.g. PRND21)	P-R-N-(D)-D-2-1
	Shift interlock (yes, no, describe)	
Gear ratios	1st	3.06
	2nd	1.63
	3rd	1.00*
	4th	0.70*
	5th	Not Applicable
	6th	"
	Reverse	2.29
Max. upshift speed - drive range [km/h (mph)]		1-2 = 66 (41), 2-3 = 122 (76)
Max. kickdown speed - drive range [km/h (mph)]		3-2 = 116 (72), 2-1 = 63 (39)
Min. overdrive speed [km/h (mph)]		66 (41)
Torque converter	Number of elements	3
	Max. ratio at stall	2.15
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
	Capacity factor "K"*	115
Lubricant	Capacity (refill L(pt.))	4.7 (10.0)
	Type recommended	Dexron II
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard Integral With Radiator
Trans. mass [kg(lbs)] & case matl.**		Aluminum, 74.2 (163.5)

* Torque Converter Clutch In 3rd & 4th Gears.

All Wheel / 4 Wheel Drive

(NOT APPLICABLE)

Desc. & type (part-time, full-time, 2/4 shift while moving, mech., elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split(% frt/rear)	

* Input speed / square root of torque.
** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.7 LITER V8 (350 CID)
Engine Code TUNED PORT FUEL INJECTION RPO L98

Automatic Transmission/Transaxle

Trade Name		700-R4
Type and special features (describe)		4-Speed Automatic Torque Converter with Clutch
Gear selector	Location (column, floor, other)	Floor Console
	Ltr./No. designation (e.g. PRND21)	P-R-N-(D)-D-2-1
	Shift interlock (yes, no, describe)	
Gear ratios	1st	3.06
	2nd	1.63
	3rd	1.00*
	4th	0.70*
	5th	
	6th	
	Reverse	2.29
Max. upshift speed - drive range km/h (mph)		1-2 = 63 (39), 2-3 = 125 (78) 3-4 = 197 (125)
Max. kickdown speed - drive range km/h (mph)		3-2 = 104 (65), 2-1 = 57 (35)
Min. overdrive speed km/h (mph)		65 (41)
Torque converter	Number of elements	3
	Max. ratio at stall	1.91
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	298 (11.75)
	Capacity factor "K"*	100
Lubricant	Capacity refill L (pt.)	4.7 (10.0)
	Type recommended	GM Dexron II
Oil cooler (std., opt., N.A., internal, external, air, liquid)		Standard Integral With Radiator
Trans. mass kg (lbs) & case matl. **		Aluminum, 74.2 (163.5)

* Torque Converter Clutch In 3rd & 4th Gears.

All Wheel / 4 Wheel Drive

(NOT APPLICABLE)

Desc. & type (part-time, full-time, 2/4 shift while moving, mech., elect., chain/gear, etc.)		
Transfer case	Manufacturer and model	
	Type and location	
Low-range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split(% frt/rear)	

* Input speed / square root of torque.
** Dry weight including torque converter. If other, specify.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	3.1 LITER V6 (191 CID)
Engine Code	MULTI-PORT FUEL INJECTION RPO LHO

Axle Ratio and Tooth Combinations

		AUTOMATIC – MD8	MANUAL – MB1
Axle ratio (or overall top gear ratio)		3.23 (2.26)	3.42 (2.60)
Ring gear o.d.		7.625 in.	7.625 in.
No. of teeth	Pinion	13	12
	Ring gear	42	41

Rear Axle Unit

Description		Salisbury/Beam Housing
Limited slip differential (type)		Not Applicable
Drive pinion	Type	Hypoid
	Offset	1.50
No. of differential pinions		2
Pinion/ differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Cylindrical Roller Direct On Shafts, Drawn Cup
Lubricant	Capacity L (pt.)	1.66
	Type recommended	GL-5 Gear Lubricant

Propeller Shaft – Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Saginaw Division Straight Tube W/Internal Damper
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Applicable
	Manual 5-speed transmission		
	Manual 6-speed transmission		Not Applicable
	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)		Not Applicable
	Lub. (fitting, prepack)		Not Applicable
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 Division
		Rear	Saginaw Division
	Number used		2
	Type (ball and trunnion, cross)		Cross
	Rr. attach(u-bolt,clamp,etc)		Strap & Bolts
	Bearing – Type (plain, anti-friction)		Anti-Friction
	Bearing – Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Propeller Shaft Assembly
Torque taken through (torque tube, arms or springs)			Torque Arm Assembly

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

** 70mm (2.75 in) Dia. Aluminum Shaft Replaces Base Steel Shaft Where Necessary For Weight Reduction.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code ELECTRONIC FUEL INJECTION RPO L03

Axle Ratio and Tooth Combinations

		AUTOMATIC - MD8	MANUAL - M39
Axle ratio (or overall top gear ratio)		2.73 (1.91)	3.08 (1.94)
Ring gear o.d.		7.625	7.625
No. of teeth	Pinion	15	13
	Ring gear	41	40

Rear Axle Unit

Description		Salisbury/Beam Housing
Limited slip differential (type)		Not Applicable
Drive pinion	Type	Hypoid
	Offset	1.50
No. of differential pinions		2
Pinion/ differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Cylindrical Roller Direct On Shafts, Drawn Cup
Lubricant	Capacity L (pt.)	1.66
	Type recommended	GL-5 Gear Lubricant

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Saginaw Division Straight Tube W/Internal Damper
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Applicable
	Manual 5-speed transmission		
	Manual 6-speed transmission		Not Applicable
	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)		Not Applicable
	Lub. (fitting, prepack)		Not Applicable
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 Division
		Rear	Saginaw Division
	Number used		2
	Type (ball and trunnion, cross)		Cross
	Rr. attach(u-bolt,clamp,etc)		Strap & Bolts
	Bearing: Type (plain, anti-friction)		Anti-Friction
	Bearing: Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Propeller Shaft Assembly
Torque taken through (torque tube, arms or springs)			Torque Arm Assembly

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

** 70mm (2.75 in) Dia. Aluminum Shaft Replaces Base Steel Shaft Where Necessary For Weight Reduction.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Description 5.0 LITER V8 (305 CID)
Engine Code TUNED PORT FUEL INJECTION RPO LB9

Axle Ratio and Tooth Combinations

		AUTOMATIC - MD8	MANUAL - M39	MANUAL - MK6
Axle ratio (or overall top gear ratio)		2.73 (1.91)	3.08 (1.94)	3.42 (2.50)
Ring gear o.d.		7.625	7.625	7.625
No. of teeth	Pinion	15	13	12
	Ring gear	41	40	41

Rear Axle Unit

Description		Salisbury/Beam Housing
Limited slip differential (type)		Cone Clutch
Drive pinion	Type	Hypoid
	Offset	1.50
No. of differential pinions		2
Pinion/ differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Cylindrical Roller Direct On Shafts, Drawn Cup
Lubricant	Capacity L (pt.)	1.66
	Type recommended	GL-5 Gear Lubricant

Propeller Shaft - Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Saginaw Division Straight Tube W/Internal Damper
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Applicable
	Manual 5-speed transmission		
	Manual 6-speed transmission		Not Applicable
	Overdrive		Not Available
	Automatic transmission		63.5** x 1057 x 1.65 mm (2.5** x 41.6 x .065 in.)
Intermediate bearing	Type (plain, anti-friction)		Not Applicable
	Lub. (fitting, prepack)		Not Applicable
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 Division
		Rear	Saginaw Division
	Number used		2
	Type (ball and trunnion, cross)		Cross
	Rr. attach(u-bolt,clamp,etc)		Strap & Bolts
	Bearing: Type (plain, anti-friction)		Anti-Friction
	Bearing: Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Propeller Shaft Assembly
Torque taken through (torque tube, arms or springs)			Torque Arm Assembly

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

** 70mm (2.75 in) Dia. Aluminum Shaft Replaces Base Steel Shaft Where Necessary For Weight Reduction.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Description	5.7 LITER V8 (350 CID)
Engine Code	TUNED PORT FUEL INJECTION RPO L98

Axle Ratio and Tooth Combinations

MD8 Automatic Only

Axle ratio (or overall top gear ratio)		3.23 (2.26)
Ring gear o.d.		7.625
No. of teeth	Pinion	13
	Ring gear	42

Rear Axle Unit

Description		Salisbury/Beam Housing
Limited slip differential (type)		Cone Clutch
Drive pinion	Type	Hypoid
	Offset	1.50
No. of differential pinions		2
Pinion/ differential	Adjustment (shim, etc.)	Shim
	Bearing adjustment	Shim
Driving wheel bearing (type)		Cylindrical Roller Direct On Shafts, Drawn Cup
Lubricant	Capacity L (pt.)	1.66
	Type recommended	GL-5 Gear Lubricant

Propeller Shaft – Rear Wheel Drive

Manufacturer Type (straight tube, tube-in-tube, internal-external damper, etc.)			Saginaw Division Straight Tube W/Internal Damper
Outer diam. x length* x wall thickness	Manual 4-speed transmission		Not Applicable
	Manual 5-speed transmission		Not Available
	Manual 6-speed transmission		Not Applicable
	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)		Not Applicable
	Lub. (fitting, prepack)		Not Applicable
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 Division
		Rear	Saginaw Division
	Number used		2
	Type (ball and trunnion, cross)		Cross
	Rr. attach(u-bolt,clamp,etc)		Strap & Bolts
	Bearing: Type (plain, anti-friction)		Anti-Friction
	Bearing: Lubrication (fitting, prepack)		Prepacked
Drive taken through (torque tube, arms or springs)			Propeller Shaft Assembly
Torque taken through (torque tube, arms or springs)			Torque Arm Assembly

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

** 70mm (2.75 in) Dia. Aluminum Shaft Replaces Base Steel Shaft Where Necessary For Weight Reduction.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

Model Code/Description And/Or Engine Code/Description: ALL

Suspension – General Including Electronic Controls

Car leveling	Std./opt./not avail.		Not Applicable
	Manual/automatic control		"
	Type (air/hydraulic)		"
	Primary/assist spring		"
	Rear only/4 wheel leveling		"
	Single/dual rate spring		"
	Single/dual ride heights		"
	Provision for jacking		Jacking Provisions On Rocker Panels
Shock absorber damping controls	Standard/option/not avail.		Not Applicable
	Manual/automatic control		"
	Number of damping rates		"
	Type of actuation (manual/electric motor/air, etc.)		"
	sensors	Lateral acceleration	"
		Deceleration	"
		Acceleration	"
		Road surface	"
Shock absorber (front & rear)	Type		Direct, Double Acting, Hydraulic
	Make		Delco
	Piston diameter		32mm V-6; 35mm V-8 Front/ 25mm RS & Base Z28; 32mm Z28, Rear
	Rod diameter		25mm Front; 12.5mm Rear

Suspension – Front

Type and description		Independent W/Coil Springs, Modified MacPherson Strut
Travel	Full jounce (define load condition)	
	Full rebound	104.0 mm (4.90 in)
O Spring	Type,(coil,leaf,other&matl)	Coil, Steel
	Insulators (type & matl)	Rubber (Top)
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter)	
	Spring rate N/mm (lb./in.)	64 N/mm RS & Base Z28; 96 N/mm Z28
	Rate @ wheel N/mm (lb./in)	Spring Rate x (2.455)
O Stabilizer	Type (link,inkless,frmless)	Link
	Material & O.D. bar/tube, wall thickness	

Suspension – Rear

Type and description			Salisbury Axle W/Torque Arm, Trailing Arm, Track Bar, Coil Springs
Travel	Full jounce (define load condition)		
	Full rebound		118.0 mm (4.6 in.)
O Spring	Type(coil,leaf,other&matl)		Coil-Steel
	Size (Leaf: length & width; Coil: design height & i.d.; Bar: length & diameter		
	Spring rate N/mm (lb/in)		18/25 Variable Coil (103.0) RS; 23.0 (131.5) Z28 & F-41 Base
	Rate @ wheel N/mm (lb/in)		0.96 x Spring Rate
	Insulators(type & material)		Rubber Isolated
	If leaf	No. of leaves	Not Applicable
		Shackle(comp or tens)	"
O Stabilizer	Type(link,inkless,frmless)		Link
	Material & O.D. bar/tube, wall thickness		
Track bar (type)			"U" Section W/Rubber Bushings

MVMA Specifications

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

SPORT COUPE	Z28

Brakes – Service

Description				Single Caliper; Disc Front, Duo-Servo Drum Rear Disc Optional Front/Rear (RPO J65)
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			Disc
	Rear (disc or drum)			Drum; Disc Optional For Z28
Valving type(prop,delay,metering,other)				Remove Proportioning Fr/Rr Split, Failure Warning Metering On Rr Drum Sys.
Power brake (std., opt., n.a.)				Standard
Booster type(rmt,intgrl,vac.,hyd.,etc.)				Tandem Vacuum (200 mm)
Vacuum	Source (inline, pump, etc.)			Inline
	Reservoir (volume cu. in.)			None
	Pump-type			"
Traction Control	Operational speed range			"
	Type (engine or brake intervention)			"
Antilock device	Front/rear (std., opt., n.a)			"
	Manufacturer			"
	Type (electronic, mech.)			"
	Number sensors or circuits			"
	No. antilock hyd. circuits			"
	Integral or add-on system			"
	Yaw control (yes, no)			"
	Hydraulic power source			"
Effective area sq. cm. (sq. in.)*				615.5 (95.4) Total
Gross Lng area sq. cm. (sq. in.)**(F/R)				691.6 (107.2) Total
Swept area sq. cm. (sq. in.)***(F/R)				1985.1 (307.7) Total
Rotor	Outer working diameter		F/R	F/267.0 mm (10.5 in.), R/296.0 mm (11.65 in.)
	Inner working diameter		F/R	F/171.5 mm (6.75 in.), R/211.0 mm (8.31 in.)
	Thickness		F/R	F/26.2 mm (1.03 in.), R/ N/A
	Matl & type (vented/sld)		F/R	Cast Iron, Vented F/R
Drum	Diameter & width		F/R	241.0 mm (9.5 in.), 50.8 mm (2.0 in.)
	Type and material		F/R	Cast Iron Finned (Aluminum For Selected Applications)
Wheel cylinder bore			F/R	F/64 mm (2.5 in.); R/19 mm (0.75 in.) Drum; 40.5 mm (1.6 in.) Disc
Master cylinder	Bore/stroke		F/R	Bore: 24.0 mm (0.94 in.)
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		Riveted; 8
		Rivet size		5.3 x 7.92 mm (.210 x .312 in.)
		Manufacturer		Bendix
		Lining code *****		7161A (GM 333 EE)
		Material		Semi-Metallic
		****	Pri.or out-brd	125.0 x 48.4 x 11.04 mm (4.92 x 1.91 x 0.435 in.)
		Size	Sec. or in-brd	125.0 x 48.4 x 10.55 mm (4.92 x 1.91 x 0.415 in.)
		Shoe thcknss.(no lng)		O/B3.42 mm (0.135 in.); IB 4.85 mm (0.191 in.)
	Rear wheel	Bonded or riveted		Riveted 10 Primary, 12 Secondary (Drum); Molded (Disc)
		Manufacturer		Inland (Disc) JB1 (Disc)
		Lining code *****		IN 4035/4050 (DM Z24 FF/DM Z35 FE) HB33 (JB B33 GF)
		Material		
		****	Pri. or out-brd	192.5x50.8x4.98 (7.58 x 2.0 x 0.196)/125.0x48.4x11.04 (4.92x1.91x0.435)
		Size	Sec. or in-brd	249.6x50.8x6.75 (9.83 x 2.0 x 0.266)/125.0x48.4x10.55 (4.92x1.91x0.415)
		Shoe thcknss (no lng)		Drum 1.98 mm (0.078 in.); Disc OB/4.0 mm (0.16 in.), IB/5.5 mm (0.21 in.)

* 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 circum.)
(Disc brake: Square of Outer Working Dia. – Square of inner Working Dia. X Pi/2 for each brake.)
**** Size for drum brakes includes length x width x thickness.
***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

METRIC (U.S. Customary)

Model Code/Description And/Or
Engine Code/Description

HEAVY DUTY (OPTIONAL RPO 1LE)

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

Brakes – Service

Description				Front & Rear H/D Disc Brakes (Optional RPO 1LE)
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			Disc
	Rear (disc or drum)			Disc
Valving type(prop,delay,metering,other)				Remote Proportioning Front/Rear Split, Failure Warning
Power brake (std., opt., n.a.)				Standard
Booster type(rmt,intgrl,vac.,hyd.,etc.)				200 mm (7.87 in.) Tandem Vacuum
Vacuum	Source (inline, pump, etc.)			Engine
	Reservoir (volume cu. in.)			Not Applicable
	Pump-type			"
Traction Control	Operational speed range			"
	Type (engine or brake intervention)			"
Antilock device	Front/rear (std., opt., n.a)			"
	Manufacturer			"
	Type (electronic, mech.)			"
	Number sensors or circuits			"
	No. antilock hyd. circuits			"
	Integral or add-on system			"
	Yaw control (yes, no)			"
	Hydraulic power source			"
Effective area sq. cm. (sq. in.)*				717 (111.1)
Gross Lng area sq. cm. (sq. in.)**(F/R)				792 (122.9)
Swept area sq. cm. (sq. in.)***(F/R)				2980.74 (462.02)
Rotor	Outer working diameter		F/R	F 301.25 mm (11.86 in.) R 296.0 mm (11.65 in.)
	Inner working diameter		F/R	F 197.40 mm (7.77 in.) R 211.0 mm (8.31 in.)
	Thickness		F/R	F 26.20 mm (1.03 in.) R 20.0 (0.79 in.)
	Matl & type (vented/sld)		F/R	Cast Iron Vented
Drum	Diameter & width		F/R	Not Applicable
	Type and material		F/R	"
Wheel cylinder bore				F 2 x 38 mm (1.50 in.) R 40.5 mm (1.59 in.)
Master cylinder	Bore/stroke		F/R	24.0 mm (0.94 in.)
Pedal arc ratio				3.25:1
Line pressure at 445 N (100 lb.) pedal load kPa (psi)				--
Lining clearance			F/R	Self-Adjusting
Brake lining	Front wheel	Bonded or riveted		Integrally Molded
		Rivet size		Not Applicable
		Manufacturer		Japan Brake Industries
		Lining code *****		CP26 (JB CP26 FE)
		Material		Semi-Metallic
		****	Pri.or out-brd	53.2 sq. cm. x 9.5 mm (8.25 sq. in. x .37 in.) Area x Thickness
		Size	Sec. or in-brd	53.2 sq. cm. x 9.5 mm (8.25 sq. in. x .37 in.) Area x Thickness
		Shoe thcknss.(no lng)		IB 6.0mm (.24 in.) OB 6.0 mm (.24 in.)
	Rear wheel	Bonded or riveted		Integrally Molded
		Manufacturer		Japan Brake Industries
		Lining code *****		HB33 (JB B33 GF)
		Material		Semi-Metallic
		****	Pri. or out-brd	28.4 sq. cm. x 8.2 mm (4.4 sq. in. x .32 in.) Area x Thickness
		Size	Sec. or in-brd	28.4 sq. cm. x 8.2 mm (4.4 sq. in. x .32 in.) Area x Thickness
		Shoe thcknss (no lng)		IB 5.5 mm (.21 in.) OB 4.0 mm (.16 in.)

* 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 circum.)
(Disc brake: Square of Outer Working Dia. – Square of inner Working Dia. X Pi/2 for each brake.)
**** Size for drum brakes includes length x width x thickness.
***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description	SPORT COUPE	Z28

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P215/65R-15	P235/55R16
	Type (bias, radial, etc.)		Steel Belted Radial Touring Tire	Steel Belted Radial Touring Tire
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	210 (30)	210 (30)
		Rear kPa (psi)	210 (30)	210 (30)
	Rev/mile-at 70 km/h(45mph)		498	495
Wheels	Type & material		Cast Aluminum	Cast Aluminum
	Rim (size & flange type)		15 x 7 JJ	16 x 8 J
	Wheel offset		8.0 mm	0 mm F/16mm R
	Attachment	Type(bolt,stud)	Stud	Stud
		Circle diameter	120.7 mm (4.75 in.)	120.7 mm (4.75 in.)
		Number & size	5-M12 x 1.5 - 6H-thd. (Metric)	5-M12 x 1.5 - 6H-thd. (Metric)
Spare	Tire and wheel		15 x 4 T125/70D15 (Except With G80 Axle)	15 x 4 T125/70D15 (Except With G80 Axle)
	Storage position & location (describe)		Vertically Adjacent To R.H. Quarter Panel	Vertically Adjacent To R.H. Quarter Panel

Tires And Wheels (Optional)

Tire size (load range, ply)	P235/55R16	P245/50ZR16 * (+)
Type (bias, radial, steel, nylon, etc.)	Steel Belted Radial Touring Tire	Steel Belted Radial
Wheel (type & material)	Aluminum Wheel	
Rim (size, flange type and offset)	16 x 8 J, 0mm F/16mm R	
Tire size (load range, ply)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Tire size (load range, ply)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Tire size (load range, ply)		
Type (bias, radial, steel, nylon, etc.)		
Wheel (type & material)		
Rim (size, flange type and offset)		
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	14x5; P195/75D14 (Inflatable) Used With G80 Axle And 15 Road Tire 15x5; P195/75D15 (Inflatable) Used With G80 Axle & 16 in. Road Tire	

Brakes - Parking

Type of control		Hand Lever Application - Push Button Release - Self-Adjusting
Location of control		Right Side Of Floor Console
If separate from service brakes	Type(internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

(*) Directional Tread. (+) Non "All Season" Tires.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description And/Or Engine Code/Description

SPORT COUPE	Z28

Steering

	Manual (std., opt., n.a.)				Not Available	
	Power (std., opt., n.a.)				Standard	
O	Speed-sensitive (std., opt., n.a.)				Not Available	
O	4-wheel steering (std., opt., n.a.)				Not Available	
	Adjustable steering wheel/column (tilt, telescope, other)	Type			Tilt - 5 Position	
		Manufacturer			Saginaw Division	
		(std., opt., n.a.)			Standard	
	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.)		12.59 (41.3)	12.95 (42.5)
			Curb to curb (l. & r.)		11.73 (38.5)	12.28 (40.3)
		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, elec. hyd., etc.)			Hydraulic	
		Manufacturer			Saginaw Division	
		Gear	Type		Recirculating Ball	
			Ratios	Gear	14:1	12.7:1
				Overall	15.4:1	14:1
		Pump (drive)			Belt	
		No. wheel turns (stop to stop)			2.57	2.14
	Linkage	Type			Parallelogram	
		Location (front or rear of wheels, other)			Front	
		Tie Rods (one or two)			2	
	Steering axis	Inclination at camber (deg.)			Not Available	
		Bearings (type)	Upper		Ball Stud	
			Lower		Ball Stud	
			Thrust		None	
	Steering spindle/knuckle & joint type				Steering Knuckle With Spherical Joints	

* The horizontal distance in the front elevation between wheel centerline and kingpin (ball joint) axis at ground.
** See Page 22.

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

Model Code/Description And/Or Engine Code/Description ALL

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	5.0 (+/-) .5
		Camber (deg.)	0.3 (+/-) .5
		Toe-in outside track - mm (in.)	0.0 (+/-) 0.2
	Service reset*	Caster (deg.)	#
		Camber (deg.)	"
		Toe-in - mm(in.)	"
	Periodic M.V. inspection	Caster (deg.)	"
		Camber (deg.)	"
		Toe-in - mm(in.)	"
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	Not Applicable
		Toe-in outside track - mm (in.)	
	Service reset*	Camber (deg.)	"
		Toe-in - mm(in.)	"
	Periodic M.V. inspection	Camber (deg.)	"
		Toe-in - mm(in.)	"

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

Same Caster, Camber & Toe Alignment For Sport Coupe & Z28 At Check, Reset, And Inspection

Electrical - Instruments and Equipment

Speedometer	Type (analog, digital, std., opt.)		Analog, Standard
	Trip odometer (std., opt., n.a.)		Standard
Head-up display	Std., opt., not avail.		Not Available
	Type - Secondary, Opto-electronic		"
	Speedometer	Digital	"
	Status/warn. indicators - Turn signals, high beam, low fuel, check gauges		"
	Brightness control	Day/night mode, adj.	"
EGR maintenance indicator			Not Available
Charge indicator	Type		Electric Gauge
	Warning device (light, audible)		Not Available
Temperature indicator	Type		Electric Gauge
	Warning device		Not Available
Oil pressure indicator	Type		Electric Gauge
	Warning device		Not Available
Fuel indicator	Type		Electric Gauge With Pointer
	Warning device		Not Available
Windshield wiper	Type (standard)		Two Speed-Manual Control-Fluidic (Wet Arm)
	Type (optional)		Intermittent
	Blade length		454.4 mm (18 in.)
	Swept area sq cm (sq in)		5792 (898.0)
Windshield washer	Type (standard)		Manual Control
	Type (optional)		Not Available
	Fluid level indicator		"
Rear window wiper, wiper/washer (std., opt., n.a.)			"
Horn	Type		Vibrator
	Number used		2
Other			Tachometer Standard. Upshift Telltale On Manual Transmission. Check Engine, Headlamp High Beam, Turn Signals, Brake Warning Light, Fasten Seat Belts, Security, SIR

(a) 0-145 mph For Z28 With LB9 W/MK6 Or L98

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Code/Description

3.1 LITER V6 (191 CID) MULTI-PORT FUEL INJECTION RPO LHO

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75-525
	Voltage	12
	Amps at 0 deg F cold crnk	525
	Minutes-reserve capacity	90
	Amps/hrs. - 20 hr. rate	--
	Location	Engine Compartment Left Front
Alternator	Manufacturer	Delco Remy
	Rating(idle/max rpm drive)	100 Amps (36 Amps At Idle)
	Ratio (alt. crank/rev.)	2.75:1
	Output at idle (rpm, park)	
	Optional (type & rating)	None
Regulator	Type	Micro Circuit Units, Integral With Alternator

Electrical – Starting System

Motor	Manufacturer	Delco Remy
	Curr.dr. -29 (-20) deg C(F)	325
	Power rating kw (hp)	1.4 (1.9)
Motor drive	Engagement type	Positive Shift Solenoid
	Pinion engages from (front, rear)	Front

Electrical – Ignition System

Type	Electronic (std, opt,n.a.)		Standard
	Other (specify)		High Energy Ignition
Coil	Manufacturer		Delco Remy
	Model		Separate
	Current	Engine stopped-A	0
		Engine idling - A	6.0 max.
Spark plug	Manufacturer		AC/Rochester Products
	Model		.R43TSK
	Thread (mm)		14 x 1.25
	Tightening torque Newton meters (lb. ft.)		9-20 (7-15)
	Gap		1.14mm (.045 in.)
	Number per cylinder		1
Distributor	Manufacturer		Delco Remy
	Model		10455016

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; Engine To Dash Panel Ground Strap, And On "Heater Only" Blower Motors And Coax Capacitor.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Code/Description

5.0 LITER V8 (305 CID)
ELECTRONIC FUEL INJECTION RPO L03

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75.525 (Man.) 75-570 (Auto.)
	Voltage	12
	Amps at 0 deg F cold crnk	525 Base
	Minutes-reserve capacity	90 Base
	Amps/hrs. - 20 hr. rate	--
	Location	Engine Compartment
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	100 Amps (36 Amps At Idle)
	Ratio (alt. crank/rev.)	3.0:1
	Output at idle (rpm, park)	
	Optional (type & rating)	None
Regulator	Type	Micro Circuit Units, Integral With Alternator

Electrical – Starting System

Motor	Manufacturer	Delco Remy
	Curr.dr. -29 (-20) deg C(F)	420
	Power rating kw (hp)	2.3 (3.1)
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, (H.E.I.)
Coil	Manufacturer		Delco Remy
	Model		Separate
	Current	Engine stopped-A	0
		Engine idling - A	1
Spark plug	Manufacturer		AC
	Model		R45TS
	Thread (mm)		14 x 1.25
	Tightening torque Newton meters (lb. ft.)		9-20 (7-15)
	Gap		0.89 (0.035)
	Number per cylinder		1
Distributor	Manufacturer		Delco Remy
	Model		1103460

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 Ground Strap, Fuse Block Capacitor And On "Heater Only" Blower Motors And Coax Capacitor.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Engine Code/Description

5.0 LITER V8 (305 CID)
TUNED PORT FUEL INJECTION RPO LB9

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75.525 (Man.) 75-570 (Auto.)
	Voltage	12
	Amps at 0 deg F cold crnk	525, Man.; 570, Auto.
	Minutes-reserve capacity	75, Man.; 90, Auto.
	Amps/hrs. – 20 hr. rate	--
	Location	Engine Compartment Right Front
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	105 Amps (42 Amps At Idle)
	Ratio (alt. crank/rev.)	3.14:1
	Output at idle (rpm, park)	
	Optional (type & rating)	None
Regulator	Type	Micro Circuit Units, Integral With Alternator

Electrical – Starting System

Motor	Manufacturer	Delco Remy
	Curr.dr. -29 (-20) deg C(F)	305
	Power rating kw (hp)	1.9 (2.5)
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, (H.E.I.)
Coil	Manufacturer		Delco Remy
	Model		Remote Mounted
	Current	Engine stopped-A	0.5
		Engine idling – A	1.0
Spark plug	Manufacturer		AC
	Model		R45TS
	Thread (mm)		M14 x 1.25 SAE
	Tightening torque Newton meters (lb. ft.)		9-20 (7-15)
	Gap		0.89 (0.035")
	Number per cylinder		1
Distributor	Manufacturer		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; Engine To Dash Panel Ground Strap, Fuse Block Capacitor And On "Heater Only" Blower Motors And Coax Capacitor.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Engine Code/Description

5.7 LITER V8 (350 CID)
TUNED PORT FUEL INJECTION RPO L98

Electrical – Supply System

Battery	Manufacturer	Delco Remy
	Model, std., (opt.)	75 - 630
	Voltage	12
	Amps at 0 deg F cold crnk	630
	Minutes-reserve capacity	90
	Amps/hrs. - 20 hr. rate	--
	Location	Engine Compartment Right Front
Alternator	Manufacturer	Delco Remy
	Rating (idle/max. rpm)	105 Amps (42 Amps At Idle)
	Ratio (alt. crank/rev.)	3.14:1
	Output at idle (rpm, park)	
	Optional (type & rating)	None
Regulator	Type	Micro Circuit Units, Integral With Alternator

Electrical – Starting System

Motor	Manufacturer	Delco Remy
	Curr.dr. -29 (-20) deg C(F)	305
	Power rating kw (hp)	2.3 (3.1)
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, (H.E.I.)
Coil	Manufacturer		Delco Remy
	Model		Remote Mounted
	Current	Engine stopped-A	0.5
		Engine idling - A	1.0
Spark plug	Manufacturer		AC
	Model		R45TS
	Thread (mm)		M14 x 1.25 SAE
	Tightening torque Newton meters (lb. ft.)		9-20 (7-15)
	Gap		0.89 (0.035")
	Number per cylinder		1
Distributor	Manufacturer		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 Ground Strap, Fuse Block Capacitor And On "Heater Only" Blower Motors And Coax Capacitor.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description	ALL

Body

Structure	Full Unitized Steel Construction. Cowl, Roof, Underbody And Body Panels Welded To Form Body Shell. Structural Adhesives Added to Weld Flanges for Rear Longitudinal Rails (All Models) And Roof, Rocker Panels, Lower "A" Pillar, Upper Dash Reinforcement And Rear Compartment Pan For T-Top (CC-1) And Convertible Models. Bolt-In Front Suspension Crossmember. Doors, Roof, Hood And Hatch Lid Double Panel Construction.
Bumper System Front - Rear	Body Color Soft Fascia, Honeycomb Absorber And Heavy Gauge Reinforcement Used Front And Rear.
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)			High Solids Acrylic Enamel Base Coat/Clear Coat
Hood	Material & mass		Steel
	Hinge location (front, rear)		Rear
	Type (counterbalance, prop)		Gas Strut Assist
	Release control (int., ext.)		Internal
Trunk lid	Material & mass		Steel
	Type (counterbalance, other)		Convertible Only (a)
	Internal release control (elec., mech., n.a.)		Convertible Only. Mechanical Release
Hatch-back lid	Material & mass		Glass/Steel
	Type (counterbalance, other)		Dual Gas Struts - Electric Final Closure Standard
	Internal release control (elec., mech., n.a.)		Electric Release Optional
Tailgate	Material & mass		Not Applicable
	Type (drop, lift, door)		"
	Internal release control (elec., mech., n.a.)		"
Vent window control (crank, friction, pivot, power)		Front	Not Available
		Rear	"
Window regulator type (cable, tape, flex, drive, etc.)		Front	Sector Drive
		Rear	Sector Drive
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam, etc.)		Front	Bucket Molded Foam Pad
		Rear	"
		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	--
			(a) Convertible Folding Top Manual Standard, No Power Option

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Full Integral Body Frame, Includes Bolted On Front Suspension Crossmember.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description ALL

Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, lap belt, etc.)	First seat	Lap and Shoulder Belt, Standard		Lap & Shoulder Belt, Standard
		Second seat	Lap & Shoulder Belt, Standard		Lap & Shoulder Belt, Standard
	Standard/ optional	Third seat			
Passive	Type & description (air bag, motorized-2-point belt, fixed belt, knee bolster, manual-lap belt)	First seat	Air Bag, Knee Bolster, Standard		
		Second seat			
	Standard/ optional	Third seat			

Glass	SAE Ref No	COUPE	CONVERTIBLE
Windshield glass exposed surface area sq. cm. (sq. in.)	S1	9000.4 (1395.0)	
Side glass exposed surface area sq. cm. (sq. in.) - total 2- sides	S2	6519.8 (1010.6)	
Backlight glass exposed surface area sq. cm. (sq. in.)	S3	6232.0 (966.0)	3844.1 (598.8)
Total glass exposed surface area sq. cm. (sq. in.)	S4	21752.2 (3371.6)	19364.3 (3001.4)
Windshield glass (type)		Curved - Laminated Plate	
Side glass (type)		Curved - Tempered Plate	
Backlight glass (type)		Curved - Tempered Plate	Vinyl

Headlamps

Description - sealed beam, halogen, replaceable bulb, etc.	Sealed Beam - Four Lamp System
Shape	Rectangular
Lo-beam type (2A1, 2B1, 2C1, etc.)	2A
Quantity	2
Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	1A
Quantity	2

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised

METRIC (U.S. Customary)

Engine Code/Description | ALL

o Climate Control System

Air conditioning (std., opt., man., auto.)		Optional
Condenser	Type	Tube & Fin
	Eff. face area (sq. mm.)	272,200 sq. mm.
	Fins per inch	13
Evaporator	Type	Tube - Plate & Fin
	Eff. face area (sq. mm.)	480,500 sq. mm.
	Fins per inch	11
Heater Core	Material	Copper Brass
	Eff. face area (sq. mm.)	326,900 sq. mm.
	Fins per inch	N/A
Compressor	Type	Radial 4 Cylinder
	Displacement (cc)	10.0
	Manufacturer	Harrison Division
	A/C pulley ratio	V6 - 1.44:1 V8 - 1.56:1
Accumulator	Type	Aluminum
	Height (mm.)	232 mm
	Diameter (mm.)	88.8 mm
Receiver	Type	None
	Height (mm.)	"
	Diameter (mm.)	"
Refrigerant control (CCOT, TVS, etc.)		CCOT
Heater water valve (yes / no)		Yes
Refrigerant (R - 12, R - 134a, etc.)		R-12
Charge level (lbs. - oz.)		2.25 lbs.
Cold engine lockout switch (yes / no)		No
Wide open throttle cutout switch (yes / no)		V6 - Yes V8 - No

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/Description ALL

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

Clock (digital, analog)		Digital, In Radio
Compass / thermometer		Not Available
Console (floor, overhead)		Full Length Front Console, Floor Standard, Overhead Not Available
Defroster, elec. backlight		Optional (Not Available On Convertible)
Electronic	Diagnostic monitor (integrated, individual)	Not Available
	Instrument cluster (list instruments)	Tachometer, Speedometer, Trip Odometer, Fuel, Oil Pressure*, Temp, Volt, Seat Belt Warning, Engine Warning, Inflatable Restraint Warning
	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	"
	Courtesy (Reading)	Standard (Under Dash); Dual Lighted Mirror Opt.-Std. On Convt.
	Door lock, ignition	Not Available
	Engine compartment	Standard
	Fog	Standard Z28, Not Available On 'RS' Or Z28-1LE
	Glove compartment	Standard (Compartment In Floor Console)
	Trunk	Standard (Rear Compartment)
	Illuminated entry system (list lamps, activation)	Not Available
	Other	
Mirrors	Day / night (auto. man.)	Standard - Manual
	L.H. (remote, pwr., heated)	Remote Standard, Power Optional - Not Heated.
	R.H.(convex, rmt, pwr, htd)	Manual Standard, Power Optional. Both Convex - Not Heated.
	Visor vanity (RH/LH illum.)	RH, Non-Illuminated: NA Sport Coupe; Std. Z28
Navigation system (describe)		Not Available
Prkg. brake-auto release (warn. light)		Hand Release, Warning Light Standard

Radio Options:

* Full Gauge Package Standard.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*) _____

METRIC (U.S. Customary)

Model Code/Description | ALL

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

Power equipment	Deck lid(release, pull down)		Opt.-Electric, Coupes Only Rear Hatch Release; Std.-Power Pull-Down, Coupe
	Door locks (manual, auto., describe system)		Manual - Standard Electric - Optional
	Seats	2 - 4 - 6 way, etc.	Optional 6-Way Power Driver's Seat - Z28 Only
		Reclining(R.H., L.H.)	Reclining Both Front Seats
		Memory (R.H., L.H., preset, recline)	Not Available
		Support (lumbar, hip, thigh, etc.)	"
		Heated (R.H., L.H., other)	"
	Side windows		Optional
	Vent windows		Not Available
	Rear windows		"
Radio systems	Antenna (location, whip, w/shield, power)		R. F. Fender Fixed Mast Standard
	Stan.	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep package, headphone jacks, etc.	AM/FM Stereo W/Seek, Scan & Digital Clock
	Opt.		Electronically Tuned AM/FM Stereo Radio W/Seek-Scan, Stereo Cassette Tape W/Search And Repeat, And Digital Clock W/Extended Range Sound System. Delco/Bose Gold Series Electronically Tuned AM/FM Stereo Radio W/Seek-Scan, Stereo Cassette Tape And Digital Clock W/Extended Range Sound System. Coupes Only. Electronically Tuned AM/FM Stereo Radio W/Seek-Scan, Compact Disc Player And Digital Clock W/Extended Range Sound System & Delco Loc II.
	Speaker (number, location)		Four - Two In Instrument Panel, Two In Roof Sail Pan Convertible in Quarter Sidewalls
Roof: open air or fixed (flip-up, sliding, 'T')			"T" Type Hatch Roof W/Removeable Acrylic Panels - Optional
Speed control device			Cruise Control, Optional
Speed warn. dev. (light, buzzer, etc.)			Not Available
Tachometer (rpm)			Standard
Telephone system (describe)			Not Available
Theft deterrent system			Lock Mounted On Steering Column; Locked Steering Wheel, Transmission, Shift Lever And Ignition. Electronic System (VATS II) Standard

Trailer Towing

Towing capable	Yes / No	Yes
Engine/transmission/axle	Std / Opt	Standard
Tow class (I, II, III)*	Std / Opt	Light
Max. gross trailer wgt. (lbs.)	Std / Opt	1500 lbs. Under Normal Driving Conditions
Max. trailer tongue load (lbs.)	Std / Opt	150/100 lbs. (1000 lbs. Under Extreme Operating Conditions - Long Grades At High Ambient Temperatures.)
Towing package available	Yes / No	No

* Class I - 2,000 lbs. Class II - 3,500 lbs. Class III - 5,000 lbs.

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Vehicle 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 vehicle line. SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 'Motor Vehicle Dimensions,' unless otherwise specified.

Model Code/Description ALL

Width	SAE Ref. No.	
Tread (front)	W101	1525 (60.0)
Tread (rear)	W102	1548 (60.9)
Vehicle width	W103	1839 (72.4)
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	--
Tumble-home (deg.)	W122	31.5
Outside mirror width	W410	1849 (72.8)

Length		
Wheelbase	L101	2566 (101.0)
Vehicle length	L103	4891 (192.6)
Overhang (front)	L104	1192 (46.9)
Overhang (rear)	L105	1133 (44.6)
Upper structure length	L123	2669 (105.1)
Rear wheel C/L 'X' coordinate	L127	4138 (163.0)

Height **		
Passenger distribution (front/rear)	PD1,2,3	2-2 **
Trunk/cargo load		**
Vehicle height	H101	1279 (50.4), Coupe; 1308 (51.5), Convertible
Cowl point to ground	H114	904 (35.6)
Deck point to ground	H138	915 (36.0), Coupe; 918 (36.1), Convertible
Rocker panel-front to ground	H112	210 (8.3), Coupe; 201 (7.9), Convertible
Rocker panel-rear to ground	H111	197 (7.8)
Windshield slope angle (deg.)	H122	62.0
Backlight slope angle (deg.)	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 (deg.)	H108	12.2
Angle of departure (deg.)	H107	18.8
Ramp breakover angle (deg.)	H147	13.4
Axle differential to ground (front/rear)	H153	172 (6.7), Coupe; 182 (7.2), Convertible
Min. running ground clearance	H156	148 (5.8)
Location of min. run. grd. clear.		Front Crossmember

** All Vehicle Height And Ground Clearance 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.

All linear dimensions are in millimeters (inches).

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Model Code/Description ALL

	Front Compartment	SAE Ref. No.	
	SgRP front, 'X' coordinate	L31	3050 (124.0)
	Effective head room	H61	940 (37.0) Coupes, 945 (37.2) Convertible
	Max. eff. leg room (accelerator)	L34	1092 (43.0) Coupes, & Convertible
	SgRP to heel point	H30	181 (7.1)
	SgRP to heel point	L53	911 (35.9)
	Back angle (deg.)	L40	26.5
	Hip angle (deg.)	L42	98.0
	Knee angle (deg.)	L44	133.0
	Foot angle (deg.)	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	1469 (57.8) Coupes, & Convertible
	Hip room	W5	1428 (56.2) Coupes, & Convertible
***	Upper body opening to ground	H50	1174 (46.2)
	Steering wheel maximum diameter*	W9	368 (14.5)
	Steering wheel angle (deg.)	H18	18.0
	Accel. heel pt. to steer. whl. cntr	L11	Not Available
	Accel. heel pt. to steer. whl. cntr	H17	"
	Undepressed floor covering thickness	H67	16 (0.6)

Front Compartment Int. Dim. Are Measured With The Seating Ref. Pt. (SgRP) mm Forward And mm Upward of Rearmost Position.

	Rear Compartment		
	SgRP point couple distance	L50	668 (26.3)
	Effective head room	H63	880 (34.7) Coupes, 935 (36.8) Convertible
	Min. effective leg room	L51	705 (27.8) Coupes, & Convertible
	SgRP (second to heel)	H31	183 (7.2)
	Knee clearance	L48	-15 (-0.6)
	Shoulder room	W4	1430 (56.3) Coupes, 1224 (48.2) Convertible
	Hip room	W6	1087 (42.8) Coupes, 1116 (43.9) Convertible
***	Upper body opening to ground	H51	--
	Back angle (deg.)	L41	28.0
	Hip angle (deg.)	L43	68.0
	Knee angle (deg.)	L45	66.5
	Foot angle (deg.)	L47	116.5
	Depressed floor covering thickness	H73	18 (0.7)

Luggage Compartment

	Usable luggage capacity L (cu. ft.)	V1	350 (12.4) Coupes, 186 (6.6) Convertible
***	Liftover height	H195	881 (34.7) Coupes, 883 (34.8 Convertible

Interior Volumes (EPA Classification)

Vehicle class		Sub-Compact
Interior volume index (cu. ft.)**		94.6 Coupes, 88.6 Convertible
Trunk / cargo index (cu. ft.)		312 (12.3)

* See page 14.
** Includes passenger and trunk / cargo index - see definition page 33.

*** EPA Loaded Vehicle Weight, Loading Conditions

All Linear Dimensions Are In Millimeters (Inches).

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)
Vehicle Dimensions

See Key Sheets for Definitions

Model Code/Description ALL

Station Wagon / MPV ** – Third Seat

SAE Ref. No. (NOT APPLICABLE)

Seat facing direction	SD1	
SgRP couple distance	L85	
Shoulder room	W85	
Hip Room	W86	
Effective leg room	L86	
Effective head room	H86	
SgRP to heel point	H87	
Knee clearance	L87	
Back angle	L88	
Hip angle	L89	
Knee angle	L90	
Foot angle	L91	

Station Wagon / MPV ** Cargo Space

(NOT APPLICABLE)

Cargo length (open front)	L200	
Cargo length (open second)	L201	
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	
Min. 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 cu. m (cu. ft.)	V2	
Hidden cargo vol. index cu. m (cu. ft.)	V4	
Cargo volume index-rear of 2-seat	V10	
O Cargo volume index **	V6	
O Cargo width at floor **	W500	
O Maximum cargo height **	H505	

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 cu. m (cu. ft.)	V3	879 (31.0)
Hidden cargo vol. index cu. m (cu. ft.)	V4	--
Cargo volume index-rear of 2-seat	V11	312 (12.3), Coupe; 186 (7.3), Convertible

* EPA Loaded Vehicle Weight, Loading Conditions

** MPV - Multipurpose Vehicle

All Linear Dimensions Are In Millimeters (Inches).

MVMA Specifications

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised(*)

METRIC (U.S. Customary)

Model Code/ Description ALL

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		X - Fiducial Mark To Vertical Zero Grid Line - Front Measured Horizontally, From The Zero 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 Zero Grid Line - Front, Measured Vertically From Zero Grid Line To Front Fiducial Mark Located On Top Of The Front Seat Adjuster Mounting Bolt.
Rear		X - Fiducial Mark To Vertical Zero Grid Line - Rear, Measured Horizontally From The Zero Grid Line To Rear Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal). X - Fiducial Mark To Centerline Of Car - Rear, Width Measurement Made From Centerline Of Car To Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal). Z - Fiducial Mark To Horizontal Zero Grid Line - Rear, Measured Vertically From The Zero Grid Line to Rear Fiducial Mark Located On The Rail (Compartment Pan - Longitudinal).
NOTE: Provide 3 of 4 Fiducial Mark Locations		

Front	W21**	540 (21.3)
	L54**	688 (27.1)*
	H61**	-32 (-1.3)#
	H161**	296 (11.7)
***	H163**	284 (11.2)

Rear	W22**	548 (21.6)
	L55**	2815 (110.8)*
	H62**	96 (3.8)#
	H162**	417 (16.4)
***	H164**	400 (15.7), Coupe; 407 (16.0), Convertible

* Vertical Base Grid 2000 mm Line
\# Horizonal Base Grid 500 mm Line

* Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.
** Reference - SAE Recommended Practice J1100 - Motor Vehicle Dimensions.
*** **EPA Loaded Vehicle Weight, Loading Conditions.**
All Linear Dimensions Are In Millimeters (Inches).

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAMARO

Model Year 1992 Issued 9-91 Revised(*) _____

	VEHICLE MASS (weight)					% PASS MASS DISTRIBUTION			
	CURB MASS, kg. (lb.)*			SHIPPING MASS kg (lb) ***	ETWC** Code	PASS IN FRONT		PASS IN REAR	
Code Model	Front	Rear	Total			Front	Rear	Front	Rear
CAMARO (1FP87) 2-Door Coupe (LHO & MB1)	783 (1723)	628 (1382)	1411 (3105)	1375 (3025)	U				
CAMARO (1FP67) 2-Door Convertible (LH0 & MB1)	807 (1775)	657 (1445)	1464 (3220)	1428 (3142)	W				
CAMARO Z28 (1FP87) 2-Door Coupe (LB9 & M39)	847 (1863)	641 (1410)	1488 (3273)	1452 (3194)	W				
CAMARO Z28 (1FP67) 2-Door Convertible (LB9 & M39)	869 (1912)	666 (1465)	1535 (3377)	1499 (3298)	W				

* Reference – SAE J1100 Motor vehicle dimensions, curb weight definition.
** ETWC – Equivalent Test Weight Class – basis for U.S. Environmental Protection Agency emission certifications. Refer to ETWC code legend below for test weight class.

ETWC LEGEND

A = 1000	I = 2000	Q = 3000	Y = 4000
B = 1125	J = 2125	R = 3125	Z = 4250
C = 1250	K = 2250	S = 3250	AA = 4500
D = 1375	L = 2375	T = 3375	BB = 4750
E = 1500	M = 2500	U = 3500	CC = 5000
F = 1625	N = 2625	V = 3625	DD = 5250
G = 1750	O = 2750	W = 3750	EE = 5500
H = 1875	P = 2875	X = 3875	FF = 5750

*** Shipping Mass (weight) = Curb Weight Less:

36 (79)

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised

Optional Equipment Differential Mass (weight)*

Code	Equipment	MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
AC3	Power Seat, 6-Way (Driver's Side Only)	1.6 (3.5)	2.0 (4.4)	3.6 (7.9)	
AM9	Split Back, Fold Down Rear Seat	-.4 (-0.9)	-1.2 (-2.6)	-1.6 (-3.5)	
AU3	Power Door Locks - Electric	.6 (1.3)	.8 (1.8)	1.4 (3.1)	
A31	Power Windows - Electric	1.0 (2.2)	.8 (1.8)	1.8 (3.1)	
A90	Lock Release - Liftback Electric	.2 (0.4)	.4 (0.9)	.6 (1.3)	Not Available On Convertible
B34	Mats, Front Floor - Color-Keyed Carpet	.8 (1.8)	.4 (0.9)	1.2 (2.6)	
B35	Mats, Rear Floor - Color-Keyed Carpet	.4 (0.9)	.4 (0.9)	.8 (1.8)	
B84	Moldings - Body Side	.2 (0.4)	.4 (0.9)	.6 (1.3)	
CC1	Roof - Removable Hatch Panels - Glass	5.0 (11.0)	8.4 (18.5)	13.4 (29.5)	Includes Storage Bag And Attaching Hardware
C49	Defogger - Rear Window (Electric)	0 (0)	.4 (0.9)	.4 (0.9)	
C60	Air Conditioning (Manual Control)	16.8 (36.9)	2.2 (4.8)	19.0 (41.7)	With RPO LH0 Engine Sport Coupe
		18.0 (39.6)	1.4 (3.0)	19.4 (42.6)	With RPO LB9 & MD8

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised

Optional Equipment Differential Mass (weight)*

Code	Equipment	MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
C60	Air Conditioning (Manual Control)	19.4 (42.8)	1.6 (3.5)	21.0 (46.3)	With RPO L03 & MD8
		18.0 (39.7)	1.4 (3.0)	19.4 (42.7)	L98
		19.4 (42.8)	1.6 (3.6)	21.0 (46.3)	L03 & M39
DE1	Sunshade - Back Window	-.6 (-1.3)	9.0 (19.8)	8.4 (18.5)	
D34	Visor Vanity Mirror - Passenger Side	.2 (0.4)	0 (0)	.2 (0.4)	
DG7	Sport Mirrors - Electric. Remote Control RH & LH Controls On LH Door Panel	.4 (0.9)	.2 (0.4)	.6 (1.3)	
D42	Rear Compartment Cargo Area Cover	-.4 (-0.9)	2.4 (5.3)	2.0 (4.4)	Not Available On Convertible
F41	Ride And Handling Suspension System	-4.0 (-8.8)	1.0 (2.2)	-3.0 (-6.6)	
G80	Limited Slip Rear Axle	0 (0)	0 (0)	0 (0)	
J65	Power 4-Wheel Disc Brakes	0 (0)	1.2 (2.6)	1.2 (2.6)	Z28 With L98 Only
KC4	Engine Oil Cooler	.2 (0.4)	0 (0)	.2 (0.4)	
K34	Cruise Control - Three Mode With Resume Feature	2.4 (5.3)	0 (0)	2.4 (5.3)	All Models Except LH0

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised

Optional Equipment Differential Mass (weight)*

Code	Equipment	MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
K34	Cruise Control-Three Mode W/Resume Feature (Avail. On Man. Or Auto. Trans.)	2.0 (4.4)	0 (0)	2.0 (4.4)	With LH0
LB9	5.0 Liter V8 (305 CID)	62.0 (136.7)	7.0 (15.4)	69.0 (152.1)	Z28 With M39/MK6
		44.6 (98.3)	7.8 (17.2)	52.4 (115.5)	Z28 With MD8
L03	5.0 Liter V8 (305 CID)	62.2 (137.1)	3.6 (7.9)	65.8 (145.1)	RS With M39
		42.6 (93.9)	3.2 (7.1)	45.8 (101.0)	RS With MD8
L98	5.7 Liter V8 (350 CID)	51.4 (113.3)	6.2 (13.7)	57.6 (127.0)	Z28 With MD8
M39	5-Speed Manual Transmission	-.6 (-1.3)	0 (0)	-.6 (-1.3)	
MD8	Automatic Transmission (Overdrive)	18.8 (41.4)	6.2 (13.7)	25.0 (55.1)	With LH0-V6 Engine, With RS
		34.6 (76.3)	11.6 (25.6)	46.2 (101.9)	With Convertible, LB9/L98
		33.6 (74.1)	11.2 (24.7)	44.8 (98.8)	With L03-V8 Engine, RS
MD8	Automatic Transmission (Overdrive)	34.6 (76.3)	11.6 (25.6)	46.2 (101.9)	With LB9 & L98 V8 Engines, Z28 Only
N10	Dual Exhaust	2.2 (4.9)	3.6 (7.9)	5.8 (12.8)	

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

MVMA Specifications

METRIC (U.S. Customary)

Vehicle Line CAMARO
Model Year 1992 Issued 9-91 Revised

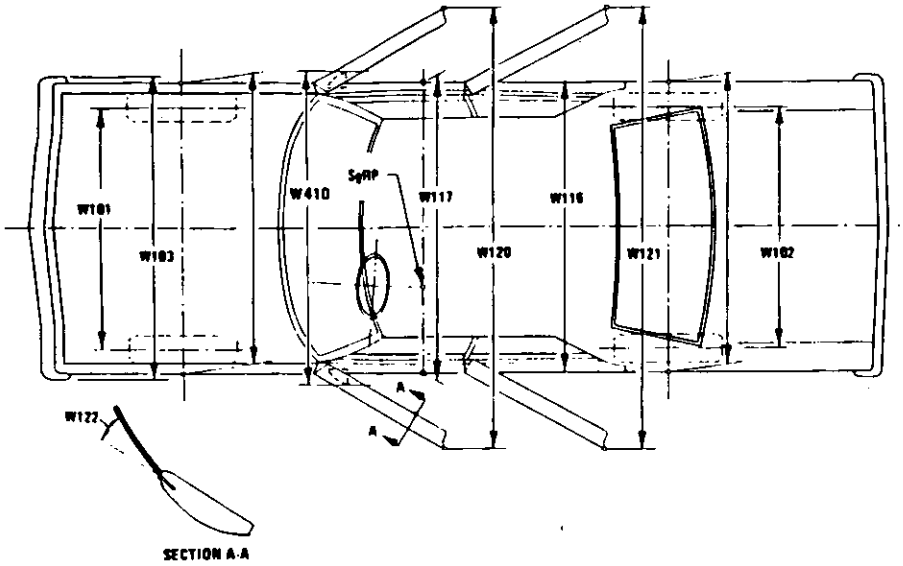
Optional Equipment Differential Mass (weight)*

Code	Equipment	MASS, kg. (lb.) Front	Rear	Total	Remarks Restrictions, Requirements
T96	Fog Lamps (W/Z04)	2.4 (5.3)	-.4 (-0.9)	2.0 (4.4)	
UA1	Battery - Heavy Duty	0.2 (0.4)	0 (0)	0.2 (0.4)	LH0/L03
UL5	Radio - Delete	-2.0 (-4.4)	-.6 (-1.3)	-2.6 (-5.7)	
UN6	Extended Range Sound System AM/FM Stereo Radio, Clock, Cassette, ETR	0 (0)	0 (0)	0 (0)	Optional
UQ4	Audio System - BOSE Speakers	2.0 (4.4)	4.0 (8.8)	6.0 (13.2)	
UU8	Extended Range Sound System AM/FM Stereo Cass.Tape, Dolby Sound, Digital Clock, ETR	0 (0)	0 (0)	0 (0)	Optional Except Convertible
U1C	Extended Range Sound System AM/FM Stereo Radio, Compact Disc, Clock, ETR	.4 (0.9)	0 (0)	.4 (0.9)	
U75	Antenna - Power (Consists Of UN9 Radio Suppression Equipment Requires Radio)	1.0 (2.2)	.2 (0.4)	1.2 (2.6)	

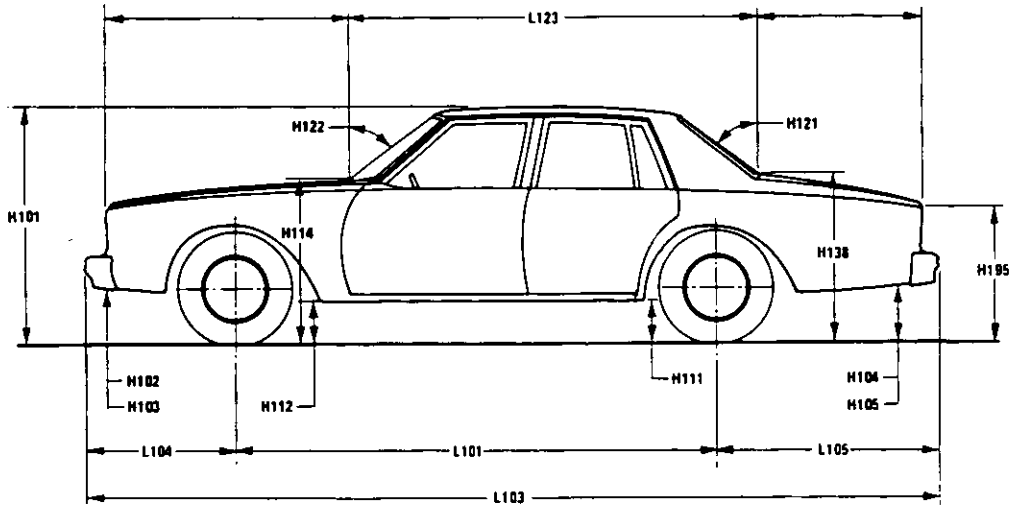
* Also see Engine - General Section for dressed engine mass (weight).

Exterior Vehicle And Body Dimensions – Key Sheet

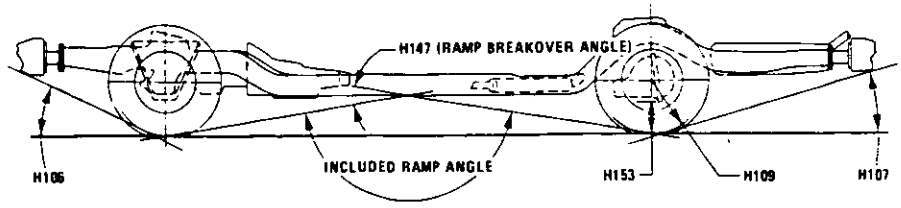
Exterior Width



Exterior Length & Height



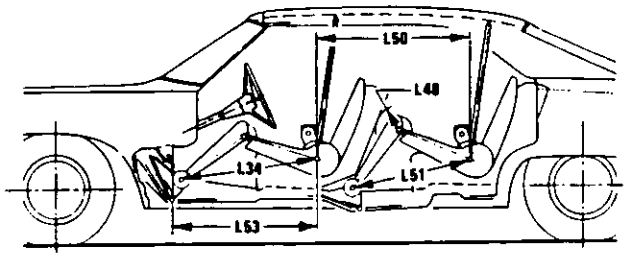
Exterior Ground Clearance

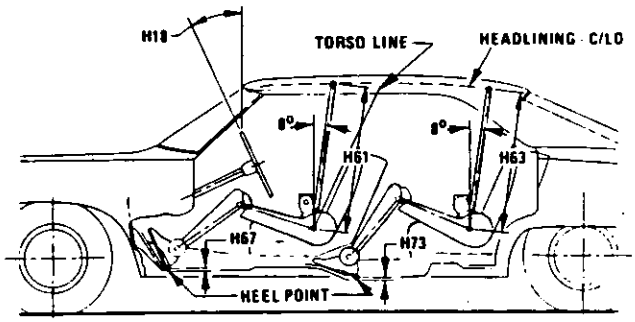


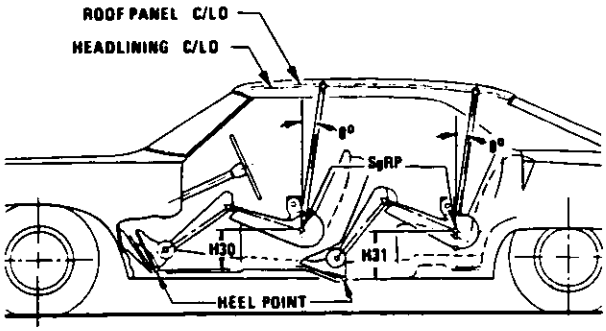
MVMA Specifications Form

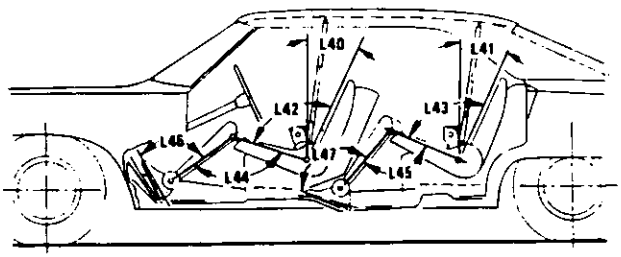
METRIC (U.S. Customary)

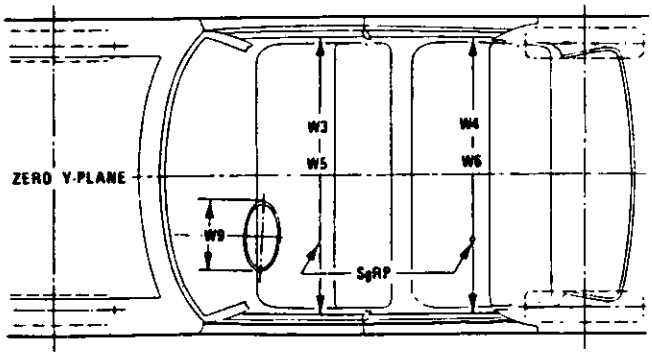
Interior Vehicle And Body Dimensions – Key Sheet

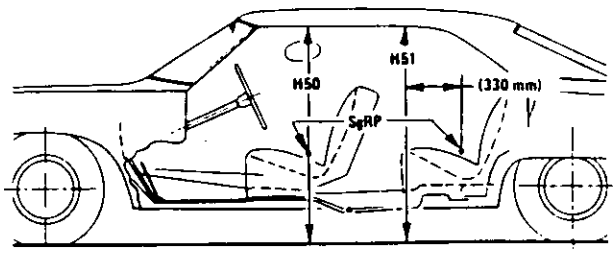






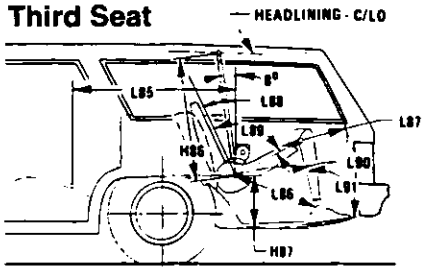


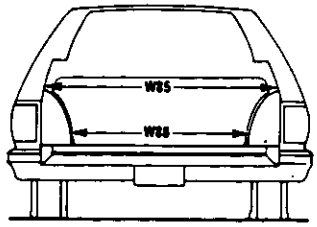




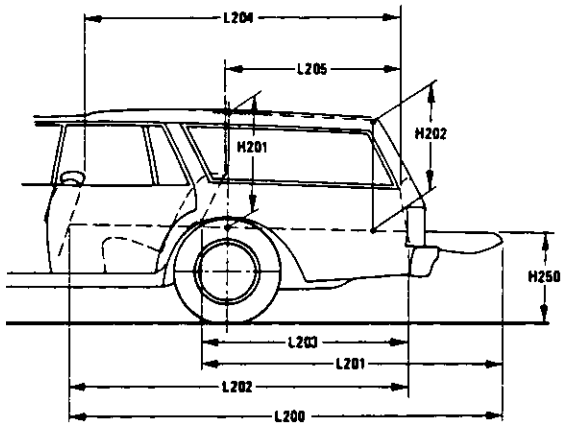
Interior Vehicle And Body Dimensions – Key Sheet

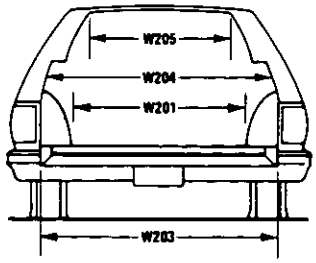
Third Seat



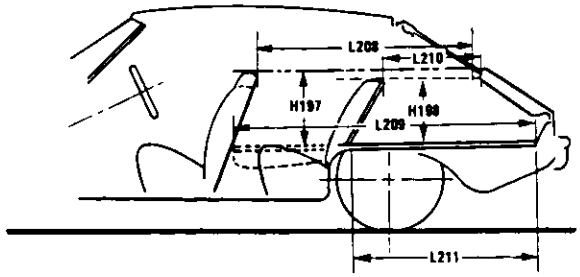


Cargo Space

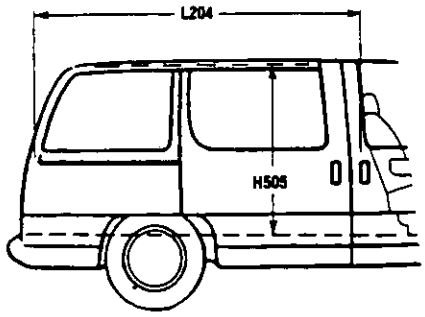


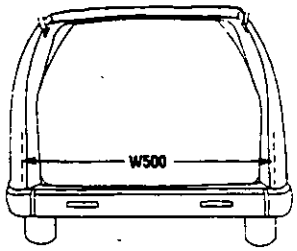


Station Wagon



Hatchback





∅ Multipurpose Vehicle

MVMA Specifications

METRIC (U.S. Customary)

Exterior Vehicle 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.

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.

W410 OUTSIDE MIRROR WIDTH: The dimension between the widest point on the outside mirrors. The standard right and left mirror adjusted for normal driving will be shown unless otherwise noted. When only one outside mirror is standard, the dimension will be to the zero "Y" 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 OVERHAND – FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

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

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

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

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.

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.

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 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.

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

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

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 TRAVEL. 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.

L-40 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.

L-42 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.

H7 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.

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 (4.0in.).

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.

Rear Compartment Dimensions

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 254 mm (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.

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.

MVMA Specifications

METRIC (U.S. Customary)

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

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.

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 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 / MPV – 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 51 mm (2.0 in.). With rear-facing third seat, dimension is measured to closure.

L88 BACK ANGLE – THIRD. Measured in the same manner 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.

SD1 SEAT FACING DIRECTION – THIRD.

Station Wagon / MPV – 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 the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.

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

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

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

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

∅ W500 CARGO WIDTH AT FLOOR. The maximum dimension measured laterally between the limiting interferences at the floor level. This dimension shall include ribs and pillars, but will exclude wheelhouses.

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.

∅ H505 MAXIMUM CARGO HEIGHT. The maximum vertical dimension rear of the front seat from the cargo floor to roof bow or headlining at the zero "Y" plane.

Interior Vehicle And Body Dimensions – Key Sheet Dimensions Definitions

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:

$$\frac{L506 \times W505 \times H503}{1728} = ft^3$$

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 electronically 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. 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. 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 "X" plane.

L211 CARGO LENGTH AT FLOOR – SECOND SEATBACK. 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 seatback 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:

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

MVMA Specifications

METRIC (U.S. Customary)

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