MOTOR VEHICLE
Specifications

METRIC (U.S. Customary)

Passenger Car

1986

Manufacturer	Car Line	
CHRYSLER CORPORATION	**DODGE OMNI/CHARGER**	
Mailing Address		
DETROIT, MICHIGAN 48288	Issued **JUNE 15, 1985**	Revised

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

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

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NOTE:

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

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Car Line DODGE OMNI/CHARGER
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Car Models

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)
FWD	SEPT. 1985			
OMNI				
4-DOOR HATCHBACK		ZE44	5(2/3)	52(115)
CHARGER				
2-DOOR HATCHBACK		ZH24	5(2/3)	52(115)
OMNI SE				
4-DOOR HATCHBACK		ZH44	5(2/3)	52(115)
CHARGER 2.2				
2-DOOR HATCHBACK		ZP24	5(2/3)	52(115)
SHELBY TURBO CHARGER				
2-DOOR HATCHBACK		ZS24	5(2/3)	52(115)

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

SERIES AVAILABILITY	ENGINE					Exhaust S/D	TRANSMISSION TRANSAXLE	AXLE RATIO (std. first)
	Displ. Liters (in.³)	Carb. (Barrel, FI, etc.)	Compr. Ratio	SAE Net at RPM kW (bhp)	SAE Net at RPM Torque N-m (lb. ft.)			
STD. E & H	1.6L (97.1)	2	8.8	48 (64) @ 4800	118 (87) @ 2800	S	MANUAL 4-Speed	2.69
STD. S OPT. - E (a)	2.2L (135)	EFI Turbo	8.1	109 (146) @ 5200	228 (168) @ 3600	S	MANUAL 5-Speed	2.57
OPT. E, H, P	2.2L (135)	2	9.0	72 (96) @ 5200	161 (119) @ 3200	S	MANUAL 5-Speed	2.20
							AUTOMATIC	2.78, 3.02 (b)
STD. P	2.2L (135)	2	9.6	82 (110) @ 5600	175 (129) @ 3600	S	MANUAL 5-Speed	2.78

(a) GLH Package only
(b) 3.02 Recommended for High Altitude and Hilly Terrain

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Engine description/Carb. Engine Code	1.6L (97in.3) 2 bbl., ECA	2.2L (135.0 in.3) 2 bbl., EDE	2.2L (135.0 in.3) 2 bbl., EDJ

ENGINE - GENERAL

Type & descr. (inline, V, angle, flat, location, front, mid, rear, transverse, long., sohc,dohc, ohv, hemi, wedge, pre-camber, etc.		Four-Cylinder, In-Line, OHV Canted, Front, Transverse	Four-Cylinder, In-Line, SOHC, Canted, Front, Transverse	
Manufacturer		P.S.A.	Chrysler	
No. of Cylinders		Four		
Bore		80.6 (3.17)	87.5 (3.44)	
Stroke		78.0 (3.07)	92.0 (3.62)	
Bore spacing (C/L to C/L)		88.0 (3.46)	96.0 (3.78)	
Cylinder block material & mass kg (lbs.)			Cast Iron 35.33 (77.9)	
Cylinder block deck height		201.95 (7.95)	237.8 (9.36) (a)	
Deck clearance (minimum) (above or below block)		1.215 (0.0478) Below	0.00	0.8 (0.031) Above
Cylinder head material & mass kg (lbs.)			Aluminum 9.824 (21.66)	
Cylinder head volume (cm^3)		23.34 ± 0.6	48.51-51.5	54.5-57.5
Head gasket thickness (compressed)		1.2 (0.047)	1.73 (0.068)	
Minimum combustion chamber total volume (cm^3)		51.096	65.31	60.633
Cyl. no. system (front to rear)*	L. Bank (b)	4, 3, 2, 1	1, 2, 3, 4	
	R. Bank	-		
Firing order		1, 3, 4, 2		
Intake manifold matl. & mass [kg(wt., lbs.)]		Aluminum 2.199 (4.850)		
Exhaust manifold matl. & mass [kg(wt., lbs.)]		Cast Iron 5.93 (13.075)		
Recommended fuel (leaded, unleaded, diesel)		Unleaded		
Fuel antiknock index $\frac{R+M}{2}$		87 Octane or Higher (c)		
Total dressed engine mass (wt) dry**		120.5 (265.6)	138.5 (305.2)	

Engine - Pistons

Material & mass, g (weight, oz.) piston only	Aluminum 340 ± 1.5 (11.99)	Aluminum Alloy 457 ± 2 (16.12)	Aluminum Alloy 440 ± 2 (15.52)

Engine - Camshaft

Location		In-block	Overhead
Material & mass kg (weight, lbs.)		Cast Iron 2.195 (4.839)	Hardenable Cast Iron 2.903 (6.40)
Drive type	Chain/belt	Chain	Belt
	Width/pitch	22.86(0.90)/9.525(0.375)	24.2/25.2 (0.952/0.992) 9.525(0.375)

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

**Dressed engine mass (weight) includes the following: Starter, Alternator, Air Cleaner, Carburetor, Ignition System, Manifold, Water Pump, Fuel pump, Engine Mounted Emission Controls, Drive Belts,Oil Filter, Engine Mounts and Throttle Controls as required.

(a) EDJ Engine: 232.0 (9.13)

(b) Right to left as installed in car.

(c) 2.2L EDJ HiPerf: 91 Octane or Higher (preferred)
87 Octane or higher (acceptable)

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Engine description/Carb.	**2.2L (135.0 in.^{3})**
Engine Code	**EFI Turbo, EDG**

ENGINE - GENERAL

Type & descr. (inline, V, angle, flat, location, front, mid, rear, transverse, long., sohc,dohc, ohv, hemi, wedge, pre-camber, etc.		Four-Cylinder, In-Line, OHC Canted, Front, Transverse
Manufacturer		Chrysler
No. of Cylinders		Four
Bore		87.5 (3.44)
Stroke		92.0 (3.62)
Bore spacing (C/L to C/L)		96.0 (3.78)
Cylinder block material & mass kg (lbs.)		Cast Iron 35.33 (77.9)
Cylinder block deck height		237.8 (9.36) (a)
Deck clearance (minimum) (above or below block)		0.00
Cylinder head material & mass kg (lbs.)		Aluminum 9.824 (21.66)
Cylinder head volume (cm^3)		48.51-51.5
Head gasket thickness (compressed)		1.73 (0.068)
Minimum combustion chamber total volume (cm^3)		Clearance Volume: 73.815
Cyl. no. system (front to rear)*	L. Bank (b)	Right to left as installed in car 1, 2, 3, 4
	R. Bank	-
Firing order		1, 3, 4, 2
Intake manifold matl. & mass [kg(wt., lbs.)]		
Exhaust manifold matl. & mass [kg(wt., lbs.)]		
Recommended fuel (leaded, unleaded, diesel)		Super or Premium Unleaded
Fuel antiknock index $\frac{R+M}{2}$		87 Octane or Higher (Acceptable) 91 Otane or Higher (Recommended)
Total dressed engine mass (wt) dry**		145.06 (319.8)

Engine - Pistons

Material & mass, g (weight, oz.) piston only	Aluminum Alloy 441 ± 3 (15.55)

Engine - Camshaft

Location		Overhead
Material & mass kg (weight, lbs.)		Hardenable Cast Iron 2.903 (6.40)
Drive type	Chain/belt	Belt
	Width/pitch	Width: 24.5 (0.965); Pitch: 9.52 (0.375)

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

**Dressed engine mass (weight) includes the folowing: Starter, Alternator, Air Cleaner, Carburetor, Ignition System, Manifold, Water Pump, Fuel pump, Engine Mounted Emission Controls, Drive Belts,Oil Filter, Engine Mounts and Throttle Controls as required.

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Engine Description/Carb.		**1.6L (97.1 in.³) 2bbl., ECA**	**2.2L (135.0 in.³) EDE, EDJ, EDG**
Engine Code			
Engine - Valve System			
Hydraulic lifters (std., opt., NA)		N.A.	Standard
Valves	Number intake/exhaust	4/4	
	Head O.D. intake/exhaust	36° - 0.22 mm/29° - 0.2 mm	40.6 mm/35.4 mm
Engine - Connecting Rods			
Material & mass [kg., (weight, lbs.)]		Forged Steel: 0.554 (1.22)	Forged Steel: 0.691 (1.52)
Engine - Crankshaft			
Material & mass [kg., (weight, lbs.)]		Forged Steel: 11.244 (24.78)	Nodular Iron: 16.1 (35.6)
End thrust taken by bearing (no.)		Three	
Number of main bearings		Five	
Seal (material, one, two piece design, etc.)	Front		
	Rear		
Engine - Lubrication System			
Normal oil pressure[kPa (psi) at eng rpm]		500 (72.5) @ 3000	345 (50) @ 2000
Type oil intake (floating, stationary)		Stationary	
Oil filter system (full flow, part, other)		Full flow	
Capacity of c/case, less filter-refill-L (qt.)		3.3 (3.5)	3.8 (4)
Engine - Diesel Information			
Diesel engine manufacturer			
Glow plug, current drain at 0°F			
Injector nozzle	Type		
	Opening pres. [kPa(psi)]		
Pre-chamber design			
Fuel inj. 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			
Turbo charger - manufacturer		Garrett	
Super charger - manufacturer			
Charge cooler			

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Engine Description/Carb.		**1.6L (97.1 in³) 2 bbl., ECA**	**2.2L (135.0 in³) 2 bbl.**	
Engine Code			**WO/AC, EDE**	**W/AC, EDE / EDJ**

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard		
Coolant fill location (rad., bottle))		Bottle		
Radiator cap relief valve pressure [kPa (psi)]		96-124 (14-18)		
Circulation thermostat	Type (choke, bypass)	Choke,Pellet Operated		
	Starts to open at °C(°F)	90.6 (195)		
Water Pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump RPM	-		
	Number of pumps	One		
	Drive (V-belt, other)	Multi-Groove Belt		
	Bearing type	Integral Ball Bearing		
	Impeller material	Steel		
	Housing material	Cast Aluminum		
By-pass recirculation [type (inter., ext.)]		-		
Cooling System Capacity	With heater - L(qt.)	6.4 (6.8)	8.5 (9.0)	
	With air cond. - L(qt.)	-		
	Opt. equip. [specify - L(qt.)]	-	8.2 (8.7)	
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		No		
Water jackets open at head face (yes, no)				
Radiator Core	Std., A/C, HD			
	Type (cross-flow, etc.)	Cross-Flow		
	Construction (fin&tube, mechanical, braze, etc.)	Tube & Fin, Mechanical, 1 Row	Tube & Fin Sper., Soldered, 1 Row	
	Material, mass[kg(wt., lbs.)]	Aluminum	Copper - Brass	
	Width	440 (17.3)	454 (17.9)	
	Height	322 (12.7)	388 (15.28)	
	Thickness	34 (1.34)	18 (0.7)	
	Fins per inch	14.5	15, 20 or 21	
Radiator end tank material		Nylon 66	Brass	
Fan	Std., elec., opt.	Electric		
	Number of blades & type (flex, solid, material)	4-Blade Plastic	2-Blade Metal	
	Diameter & projected width	320 (12.6) / 30 (1.2)	360(14.2)/42(1.8)	
	Ratio (fan to crankshaft rev.)	-		
	Fan cutout type	Electric Motor		
	Drive type (direct, remote)	-		
	RPM at idle (elec.)	1885	1790	
	Motor rating (wattage) (elec.)	110	130	
	Motor switch (type & loc.)(elec.)	Bi-Metal/Radiator	(a)	
	Switch point (temp., press.) (elec.)	205°F	(b)	
	Fan shroud (material)	Metal		

(a) Thermistor, Water Box & A/C

(b) 210°F (Low Speed; 230°F (Hi-Speed)

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Engine Description/Carb.
Engine Code

2.2L (135.0 in³) EDG
Electronic Fuel Injection Turbo

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard
Coolant fill location (rad., bottle))		Bottle
Radiator cap relief valve pressure [kPa (psi)]		96-124 (14-18)
Circulation thermostat	Type (choke, bypass)	Choke,Pellet Operated
	Starts to open at °C(°F)	90.6 (195)
Water Pump	Type (centrifugal, other)	Centrifugal
	GPM 1000 pump RPM	-
	Number of pumps	One
	Drive (V-belt, other)	Multi-Groove Belt
	Bearing type	Integral Ball Bearing
	Impeller material	Steel
	Housing material	Cast Aluminum
By-pass recirculation [type (inter., ext.)]		-
Cooling System Capacity	With heater - L(qt.)	8.5 (9.0)
	With air cond. - L(qt.)	-
	Opt. equip. [specify - L(qt.)]	8.5 (9.0)
Water jackets full length of cyl. (yes, no)		Yes
Water all around cylinder (yes, no)		No
Water jackets open at head face (yes, no)		
Radiator Core	Std., A/C, HD	
	Type (cross-flow, etc.)	Cross-Flow
	Construction (fin&tube, mechanical, braze, etc.)	Tube & Fin Spacer, Soldered, 1 Row
	Material, mass[kg(wt., lbs.)]	Copper - Brass
	Width	533.4 (21.0)
	Height	387.6 (15.26)
	Thickness	17.8 (0.7)
	Fins per inch	15
Radiator end tank material		Nylon 66
Fan	Std., elec., opt.	Electric
	Number of blades & type (flex, solid, material)	5-Blade Metal
	Diameter & projected width	360 (14.2) / 46 (1.8)
	Ratio (fan to crankshaft rev.)	-
	Fan cutout type	Electric Motor
	Drive type (direct, remote)	-
	RPM at idle (elec.)	1455
	Motor rating (wattage) (elec.)	160
	Motor switch (type & loc.)(elec.)	Thermistor, Water Box & A/C
	Switch point (temp., press.) (elec.)	210° F (Low Speed); 230° F (High Speed)
	Fan shroud (material)	Metal

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Engine Description/Carb. Engine Code	1.6l (97.1 in³) 2 bbl., ECA	2.2L (135.0 in³) 2 bbl., EDE, EDJ

Engine - Fuel System

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

Induction type: carb., fuel inj. sys., etc.			Carburetor	
Carburetor	Mfr.		Holley 6520	
	Choke (type)		Electric	
	Idle spd. rpm (spec. neutral or drive and propane if used)	Manual	800	
		Automatic	--	900
Idle A/F mix			Propane idle enrichment; Check Emission Control Label	
Fuel Injection	Point of injection (no.)			
	Constant,pulse, flow			
	Control (electronic, mech.)			
	System pressure [kPa (psi)]			
Intake manifold heat control (exhaust or water thermostatic or fixed)			Water	
Air cleaner type	Standard		Oil wetted paper element	
	optional		--	
Fuel pump	Type (elec. or mech.)		Mechanical	
	Location (eng., tank)		Front side of transverse mounted engine	
	Pressure range [kPa (psi)]		30 to 40 (4.5 to 6)	

Fuel Tank

Capacity [refill L (gallons)]		49 (13.0)
Location (describe)		forward of axle
Attachment		Terne plated strap to floor pan
Material & mass [kg (weight lbs.)]		Terne plated steel
Filler pipe	Location & material	External, right rear quarter panel; terne plated steel
	Connection to tank	rubber grommet
Fuel line (material)		duplex-coated steel
Fuel hose (material)		fuel resistant rubber
Return line (material)		terne plated steel
Vapor line (material)		terne plated steel
Extended range tank	Opt., n. a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
Auxiliary tank	Opt., n. a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
	Selector switch or valve	
	Separate fill	

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Engine Description/Carb. **Engine Code**	**2.2L (135 in³) Turbocharged with Electronic Fuel Injection, EDG**

Engine - Fuel System

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

Induction type: carb., fuel inj. sys., etc.			Electronic fuel injection
Carburetor	Mfr.		
	Choke (type)		
	Idle spd. rpm (spec. neutral or drive and propane if used)	Manual	
		Automatic	
Idle A/F mix			
Fuel Injection	Point of injection (no.)		Port injection (4)
	Constant,pulse, flow		Pulse
	Control (electronic, mech.)		Electronic
	System pressure [kPa (psi)]		379.6 (55.1) ± manifold vacuum
Intake manifold heat control (exhaust or water thermostatic or fixed)			none
Air cleaner type	Standard		oil wetted paper element
	optional		--
Fuel pump	Type (elec. or mech.)		electric
	Location (eng., tank)		2 pump system: one in tank; main pump rail-mounted
	Pressure range [kPa (psi)]		503-875 (73-122) @ 120 P.P.H. and 12V

Fuel Tank

Capacity [refill L (gallons)]		same as page 6
Location (describe)		same as page 6
Attachment		same as page 6
Material & mass [kg (weight lbs.)]		same as page 6
Filler pipe	Location & material	same as page 6
	Connection to tank	same as page 6
Fuel line (material)		same as page 6
Fuel hose (material)		same as page 6
Return line (material)		same as page 6
Vapor line (material)		same as page 6
Extended range tank	Opt., n. a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
Auxiliary tank	Opt., n. a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
	Selector switch or valve	
	Separate fill	

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Vehicle Emission Control

Exhaust Emission Control	Type (air injection, eng. modifications)		(a)		(b)
	Air Injection	Pump or pulse	pos. disp. rotary vane pump		none
		Driven by	V-belt		--
		Air distribution (head, manifold, etc.)	single point		--
		Point of entry	(c)		--
	Exhaust Gas Recirc-ulation	Type (controlled flow, open orifice,other)	controlled flow		
		Exhaust source	exhaust manifold		
		Point of exhaust inj., (spacer, carb., manif., etc)	intake manifold		
	Catalytic Converter	Type	3-way + oxidation		3-way
		Number of	one		one
		Location(s)	below exhaust manifold		under floor
		Volume [L(in³)]	1.72 (105) 3WC + 0.74 (45) ox.		1.80 (110) 3-way
		Substrate type	monolithic		
Crankcase Emission Control	Type (ventilates to atmosphere, induction system,other)		closed induction system		
	Energy source (manifold, vacuum, carburetor,other)		manifold vacuum		
	Discharges (to intake manif., other)		intake manifold		
	Air inlet (breather cap, other)		engine air cleaner		
Evapora-tive emis-sion control	Vapor vented to (crank-case, canister, other)	Fuel tank	canister		
		carburetor	canister		--
	Vapor storage provision		canister		
Electronic system	Closed loop (yes/no)		yes-hot engine		
	Open loop (yes/no)		yes-cold engine		

Engine - Exhaust System

Type (single,single with cross-over, dual, other)		single: 150 in³ conv & air inj.		single: 110 in³ converter
Muffler no. & type (reverse flow, straight through separate resonator) Mat'l & mass [kg(weight lbs.)]		one, reverse flow (d)		
		aluminized steel		stainless steel
Resonator no. & type		none (d)		none
Exhaust pipe	Branch o. d., wall thickness	50.8 × 1.4 (2.00 × 0.055)		57 × 1.4 (2.2 × 0.055)
	Main o. d., wall thickness	47.8 × 1.4 (1.88 × 0.055)		57 × 1.4 (2.2 × 0.055)
	Material & mass [kg(weight lbs.)]	stainless steel		stainless steel
Intermed-iate pipe	o. d., & wall thickness	47.8 × 1.1 (1.88 × 0.043)		47.0 × 1.4 (1.80 × 0.043)
	Material & mass [kg(weight lbs.)]	aluminized steel		stainless steel
Tail pipe	o. d., & wall thickness	47.8 × 1.1 (1.88 × 0.043)		47.0 × 1.4 (1.80 × 0.043)
	Material & mass [kg(weight lbs.)]	aluminized steel		stainless steel

(a) air injection, exhaust gas recirculation, engine modifications, catalytic converter
(b) exhaust gas recirculation, engine modifications, catalytic converter
(c) exhaust manifold outlet-cold; catalytic converter-hot
(d) with EDJ engine: one, straight thru (aluminized steel)

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Engine Description/Carb. / Engine Code	2.2L (135.0 in³) 2 bbl. EDE,EDJ	1.6L (97.1 in³) 2 bbl. ECA

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	N.A.	
Manual 4-speed (std., opt., n.a.) (mfr.)	N.A.	standard
Manual 5-speed (std., opt., n.a.) (mfr.)	standard	N.A.
Manual overdrive (std., opt., n.a.) (mfr.)	N.A.	
Automatic (std., opt., n.a.) (mfr.)	optional	N.A.
Automatic overdrive (std., opt., n.a.) (mfr)	N.A.	

Manual Transmissions/Transaxle

Number of forward speeds			5	4
Transmission ratios	In first		3.29	3.29
	In second		2.08	1.89
	In third		1.45	1.21
	In fourth		1.04	0.88
	In fifth		0.72	--
	In overdrive		--	--
	In reverse		3.14	3.14
Synchronous meshing (specify gears)			all forward gears	
Shift lever location			floor	
Lubricant	Capacity [L(pt.)]		2.15 (4.55)	1.90 (4.0)
	Type recommended		Mopar Dexron II automatic transmission fluid	
	SAE viscosity number	Summer	--	
		Winter	--	
		Extreme cold	--	

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)		Luk, dry disc cable	Aisen Seiki, dry disc cable	Luk, dry disc cable
Assist (yes, no/percent)		no		
Type pressure plate springs		belleville		
Total spring load [N(lb.)]		4400 (989)	3880 (872)	4200 (944)
No. of clutch driven discs		one		
Clutch facing	Material	woven asbestos		
	Manufacturer	Textar		
	Part Number	A302295201	31501-99838	A302008102
	Rivets/Plate	16		
	Rivet Size	9.50 (0.374)	8.00 (0.315)	9.50 (0.374)
	Outside & inside diameter	215 x 154 (8.46 x 6.06)	215 x 140 (8.46 x 5.51)	200 x 134 (7.87 x 5.27)
	Total eff. area [cm² (in²)]	353.6 (54.8)	418.2 (64.8)	346 (53.67)
	Thickness	3.45 (0.136)	3.5 (0.138)	3.25 (0.128)
	Engagement cushion method	wave spring segments		
Release Bearing	Type & method of lubrication	angular contact ball bearing, permanently lubed with grease		
Torsional Damping	Method: springs, frictional material	coil springs and fiber friction washers		

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

Car Line **DODGE OMNI/CHARGER**
Model Year **1986** Issued **6-15-85** Revised (•) _____

Engine Description/Carb.	**2.2L (135.0 in³)**
Engine Code	**Turbo EFI**
	EDG

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	N.A.
Manual 4-speed (std., opt., n.a.) (mfr.)	N.A.
Manual 5-speed (std., opt., n.a.) (mfr.)	standard
Manual overdrive (std., opt., n.a.) (mfr.)	N.A.
Automatic (std., opt., n.a.) (mfr.)	N.A.
Automatic overdrive (std., opt., n.a.) (mfr)	

Manual Transmissions/Transaxle

Number of forward speeds			5
Transmission ratios	In first		3.29
	In second		2.08
	In third		1.45
	In fourth		1.04
	In fifth		0.72
	In overdrive		--
	In reverse		3.14
Synchronous meshing (specify gears)			all forward gears
Shift lever location			floor
Lubricant	Capacity [L(pt.)]		2.15 (4.55)
	Type recommended		Mopar Dexron II automatic transmission fluid
	SAE viscosity number	Summer	--
		Winter	--
		Extreme cold	--

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)		Fichtel & Sachs, dry disc cable
Assist (yes, no/percent)		no
Type pressure plate springs		belleville
Total spring load [N(lb.)]		5700 (1282)
No. of clutch driven discs		one
Clutch facing	Material	woven asbestos
	Manufacturer	Textar
	Part Number	181861877001
	Rivets/Plate	16
	Rivet Size	10 (0.39)
	Outside & inside diameter	228 x 150 (8.98 x 5.91)
	Total eff. area [cm² (in²)]	438.0 (67.9)
	Thickness	3.5 (0.138)
	Engagement cushion method	wave spring segments
Release Bearing	Type & method of lubrication	angular contact ball bearing, permanently lubed with grease
Torsional Damping	Method: springs, frictional material	coil springs and fiber friction washers

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Car Line **DODGE OMNI/CHARGER**

Model Year **1986** Issued **6-15-85** Revised (•) _____

Engine Description/Carb.	**2.2L (135.0 in³)**
Engine Code	**2 bbl., EDE**

Automatic Transmission/Transaxle

Trade Name		Torqueflite
Type and special features (describe)		Torque Converter with Automatically Operated Planetary Transmission and Parallel Axis Final Drive
Selector	Location	Floor
	Ltr./No. designation	PRND21
Gear ratios	R	2.10
	D	2.69, 1.55, 1.00
	L_3	-
	L_2	2.69, 1.55
	L_1	2.69
Max. upshift speed - drive range [km/h (mph)]		113 (70)
Max. kickdown speed - drive range [km/h (mph)]		105 (65)
Min. overdrive speed [km/h (mph)]		-
Torque converter	Number of elements	Three
	Max. ratio at stall	2.00:1
	Type of cooling (air, liquid)	Liquid
	Nominal diameter	241 (9.5)
Lubricant	Capacity [refill L (pt.)]	8.40 (17.75) (a)
	Type recommended	Dexron II Automatic Transmission Fluid
Oil cooler (std., opt., NA, internal, external, air, liquid)		Non A/C Water Cooled-Std. With A/C Air Cooled

(a) Torque Converter, Transmission & Differential

Axle or Front Wheel Drive Unit

Type (front, rear)			Front
Description			Transaxle
Limited slip differential (type)			N.A.
Drive pinion offset			-
Drive pinion (type)			Helical
No. of differential pinions			Two
Pinion/differential adjustment (shim, other)			
Pinion/differentialbearing adjustment (shim, other)			Shim
Driving wheel bearing (type)			Double Row Ball or Double Row Taper Roller
Lubricant	Capacity [L (pt.)]		
	Type recommended		
	SAE viscosity number	Summer	
		Winter	
		Extreme cold	

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

Axle ratio (or overall top gear ratio)		2.20	2.57 (b)	2.69	2.78 (c)	3.02 (d)
No. of teeth	Pinion	19	16	19	20	21
	Ring gear or gear	58	57	58	61	60
Ring gear o.d.		191.36 (7.53)	198.05 (7.97)	191.05 (7.53)	187.4 (7.38)	184.53 (7.26)
Transaxle	Transfer gear ratio	-	-	-	0.91	1.06
	Final drive ratio	3.05	3.56	3.05	3.05	2.86
		Manual			Automatic	

(b) Shelby Turbo & GLH Package Only (c) Also Available With 5 - Spd. (d) Recommended for Hi-Altitude and Hilly Terrain

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

Car Line **DODGE OMNI/CHARGER**
Model Year **1986** Issued **6-15-85** Revised (•) _____

Engine Description/Carb. / **Engine Code**	**1.6L (97.1 in.³) 2bbl., ECA**	**2.2L (135.0 in.³) 2bbl., EDE,EDJ**

Axle Shafts - Front Wheel Drive

Number used			Two	
Type (straight, solid bar, tubular, etc.)		Left	Solid Bar	
		Right	Tube	
Outer diam. x length* x wall thick-ness	Manual transmission	Left	GKN-EUR:22.86x345.5(0.90x13.60) or GKN-US:24.2x342.9 (0.95x13.5)	
		Right	GKN-EUR:40.5x595.3x2.7(1.59x23.44x0.106) or GKN-US:40.5x596.1x3.72 (a)	
	Automatic transmission	Left	N.A.	Same as left manual above
		Right	N.A.	Same as right manual above
	Optional transmission	Left	-	
		Right	-	
Slip Yoke	Type		-	
	Number of teeth		-	
	Spline o.d.		-	
Universal joints	Make and mfg. (r).	Inner	GKN-EUR: G169 or GKN-US: C-2000	
		Outer	GKN-EUR: 92 AC or GKN-US: C-2000	
	Number useds		Two	
	Type, size, plunge	Inner	Tripode plunge	
		Outer	Rzeppa-fixed	
	Attach (u-bolt, clamp, etc.)		-	
	Bearing	Type (plain, anti-friction)	-	
		Lubrication (fitting, prepack)	Prepack	
Drive taken through (torque tube, arms or springs)			-	
Torque taken through (torque tube, arms or springs)			-	

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

(a) (1.59x23.47x0.146)

MVMA Specifications Form
Passenger Car
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Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Engine Description/Carb. Engine Code	2.2L (135.0 in.³) EFI Turbo EDG

Axle Shafts - Front Wheel Drive

Number used				Two
Type (straight, solid bar; tubular, etc.)			Left	Solid Bar
			Right	Solid bar
Outer diam. x length* x wall thick-ness	Manual transmission		Left	Citroen: 22.86x338 (0.90x13.31)
			Right	Same as above
	Automatic transmission		Left	-
			Right	-
	Optional transmission		Left	-
			Right	-
Slip Yoke	Type			-
	Number of teeth			-
	Spline o.d.			-
Universal joints	Make and mfg. no.		Inner	GKN-EUR G169 or GKN-US: C-2000
			Outer	GKN-EUR. 924 C or GKN-US: C-2000
	Number useds			Two
	Type, size, plunge		Inner	Tripode plunge
			Outer	Rzeppa-fixed
	Attach (u-bolt, clamp, etc.)			-
	Bearing	Type (plain, anti-friction)		-
		Lubrication (fitting, prepack)		Prepack
Drive taken through (torque tube, arms or springs)				-
Torque taken through (torque tube, arms or springs)				-

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

(a) (1.59x23.47x0.146)

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

Car Line PLYMOUTH HORIZON/TURISMO
Model Year 1986 Issued 6-15-85 Revised (•) _____

Body Type And/Or Engine Displacement	24	44	44	24 (a)	24-44
	Standard (SDA)		Heavy Duty (SDB)	Firm Feel (SDC)	Sport Hndl. (SDE)

Suspension - General

Car leveling	Std./opt./n.a.	N.A.				
	Type (air, hyd., etc.)	-				
	Manual/auto controlled	-				
Provision for brake dip control		Inclined Control Arm and Strut				
Provision for accl. squat control		None				
Provisions for car jacking		Sill Jacking: Scissors Type Sill Jack Jack Supports Located at Each End of Body Side Sills				
Shock absorber (front & rear)	Type	Direct				Gas-charged
	Make	Front: Delco, Monroe; Rear: Maremont				
	Piston diameter	Front: 32 (1.26); Rear: 25.4 (1.00)				
	Rod diameter	Front: 20 (0.79); Rear: 12.7 (0.50)				

Suspension - Front

Type and description		Iso-Strut				
Drive and torque taken through		-				
Travel	Full jounce	77 (3.0)	75 (2.9)	82 (3.2)	84 (3.3)	60 (2.4)
	Full rebound	97 (3.8)	99 (3.9)	92 (3.6)	90 (3.5)	64 (2.5)
Spring	Type (coil, leaf, other) & mat'l.	Coil; AISI .5160H Chromium Alloy Steel				
	Insulators (type & material)	Compression: Rubber				
	Size (coil design height & i.d. bar length x dia.)	202 x 152 I.D. (7.95 x 6.0 I.D.) 210 x 152 I.D. (8.27 x 6.0 I.D.) @ Curb				
	Spring rate [N/mm (lb./in.)]	14.9 (85)		21.0 (120)		25.4 (145)
	Rate at wheel [N/mm (lb./in.)]	18.4 (105)		24.5 (140)		29.6 (169)
Stabilizer	Type (link, linkless, frameless)	Linkless				
	Material & bar diameter	22 (0.866)		AISI 1090 Spring Steel: 25.4 (1.00)		

Suspension - Rear

Type and description		Semi-independent trailing arm type				
Drive and torque taken through		-				
Travel	Full jounce*	40 (1.6)	59 (2.3)	71 (2.8)	52 (2.0)	
	Full rebound	157 (6.2)	138 (5.4)	111 (4.4)	130 (5.1)	
Spring	Type (coil, leaf, other) & mat'l	Coil; AISI 5160H Chromium Alloy Steel				
	Size (length x width, coil design height & i.d., bar length x dia.)	Design height: 247 I.D.: 85; Wire Dia: 10.4		Design height: 266 I.D.: 85 @ curb		
	Spring rate [N/mm (lb./in.)]**	15.8 (90)		19.3 (110)		23.6 (135)
	Rate at wheel [N/mm (lb./in.)]	16.2 (93)		19.8 (113)		24.2 (138)
	Insulators (type & material)	Compression: Rubber				
	If leaf: No. of leaves	-				
	If leaf: Shackle (comp. or tens.)	-				
Stabilizer	Type (link, linkless, frameless)	None			Frameless	
	Material & bar diameter	-			HSLA Steel 16 (0.63)	
Track bar (type)		None				

(a) Std. Turismo 2.2

*From curb

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

Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6 - 15 - 85 Revised (•)

Body Type And/Or Engine Displacement: 1.6L &2.2L--EDE, EDJ

Brakes - Service

Description				four-wheel hydraulic actuated system
Brake type (std., opt., n.a.)			Front (disc or drum)	disc
			Rear (disc or drum)	drum
Self-adjusting (std., opt., n.a.)				standard
Special valving	Type (proportion, delay, metering, other)			dual proportioning valve
Power brake (std., opt., n.a.)				standard
Booster type (remote, integral, vac., hyd., etc.)				vacuum, single or tandem
Vacuum source (inline, pump, etc.)				intake manifold
Vacuum reservoir (volume in.^{3})				--
Vacuum pump-type (elec, gear driven, belt driven, if other so state)				--
Anti-skid device type (std., opt., n.a.) (F/R)				N. A.
Effective area [cm^2(in.^{2})]* (F/R)				391.44 (60.67)
Gross lining area [cm^2(in.^{2})]** (F/R)				417.58 (64.73)
Swept area[cm^2(in.^{2})]*** (F/R)				1302.97 (201.96)
Rotor	Outer working diameter		F/R	front: 228 (8.98)
	Inner working diameter		F/R	front: 153 (6.02)
	Thickness		F/R	front: 12.64 (0.498)
	Material & type (vented/solid)		F/R	front: damped cast iron, solid
Drum	Diameter & width		F/R	rear: 200 (7.87) x 37.62 (1.48)
	Type and material		F/R	rear: cast composite
Wheel cylinder bore				front: 54 (2.13); rear: 15.87 (0.625)
Master cylinder	Bore/stroke		F/R	21.0 (0.827)/32.79 (1.291)
Pedal arc ratio				3.79: 1 power
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]				power: 9308 (1350)
Lining clearance			F/R	no major adjustments
Brake Lining	Front wheel (a)	Bonded or riveted (rivets/seg.)		riveted, 5/shoe
		Rivet size		3.57 (0.14) dia. x 7.57 (0.3)
		Manufacturer		Bendix
		Lining code *****		BX-JD-EE
		Material		molded metallic
		****	Primary or out-board	3987 x 12.34 (6.18 x 0.486)
		Size	Secondary or in-board	3987 x 12.34 (6.18 x 0.486)
		Shoe thickness (no lining)		outer: 4.83 (0.190); inner: 5.18 (0.204)
	Rear wheel	Bonded or riveted (rivets/seg.)		riveted, 10/shoe
		Manufacturer		Bendix
		Lining code *****		--
		Material		rolled asbestos
		****	Primary or out-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)
		Size	Secondary or in-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)
		Shoe thickness (no lining)		2.17 (0.0854)

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

(a) area x thickness

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

Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6 - 15 - 85 Revised (•) _____

Body Type And/Or Engine Displacement: 2.2L/Turbo EFI, EDG

Brakes - Service

Description				four-wheel hydraulic actuated system
Brake type (std., opt., n.a.)	Front (disc or drum)			disc
	Rear (disc or drum)			drum
Self-adjusting (std., opt., n.a.)				standard
Special valving	Type (proportion, delay, metering, other)			dual proportioning valve
Power brake (std., opt., n.a.)				standard
Booster type (remote, integral, vac., hyd., etc.)				vacuum, single
Vacuum source (inline, pump, etc.)				intake manifold
Vacuum reservoir (volume in.^{3})				--
Vacuum pump-type (elec, gear driven, belt driven, if other so state)				--
Anti-skid device type (std., opt., n.a.) (F/R)				N. A.
Effective area [cm^2(in.^{2})]* (F/R)				526.88 (1.67)
Gross lining area [cm^2(in.^{2})]** (F/R)				560.96 (86.95)
Swept area[cm^2(in.^{2})]*** (F/R)				1825.30 (282.92)
Rotor	Outer working diameter		F/R	front:256.2 (10.09)
	Inner working diameter		F/R	front: 158.2 (6.23)
	Thickness		F/R	front: 24.0 (0.945)
	Material & type (vented/solid)		F/R	front: damped cast iron, vented
Drum	Diameter & width		F/R	rear: 220 (8.86) x 44.26 (1.74)
	Type and material		F/R	rear: cast composite
Wheel cylinder bore				front: 54 (2.13); rear: 15.87 (0.625)
Master cylinder	Bore/stroke		F/R	21.0 (0.827)/32.79 (1.291)
Pedal arc ratio				power: 3.79:1
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]				power: 9308 (1350)
Lining clearance			F/R	no major adjustments
Brake Lining	Front wheel (a)	Bonded or riveted (rivets/seg.)		riveted, 6/shoe
		Rivet size		4.65 (0.18) dia. x 7.5 (0.3)
		Manufacturer		Bendix
		Lining code *****		BX-JD-EE
		Material		molded metallic
		**** Primary or out-board		4970 x 11.08 (7.70 x 0.436)
		Size Secondary or in-board		4970 x 11.08 (7.70 x 0.436)
		Shoe thickness (no lining)		5.33 (0.210)
	Rear wheel	Bonded or riveted (rivets/seg.)		riveted, 10/shoe
		Manufacturer		Bendix
		Lining code *****		--
		Material		rolled asbestos
		**** Primary or out-board		226.35 x 40.0 x 6.65 (8.91 x 1.575 x 0.262)
		Size Secondary or in-board		226.35 x 40.0 x 6.65 (8.91 x 1.575 x 0.262)
		Shoe thickness (no lining)		2.17 (0.0854)

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

(a) area x thickness

MVMA Specifications Form
Passenger Car
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Car Line DODGE OMNI / CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Body Type And/Or Displacement	All Except Charger 2.2	Charger 2.2

Tires and Wheels (Standard)

Tires	Size (load range)		P165/80 R 13, SL	P195/60 R 14, SL (a)
	Type (bias, radial, etc.)		Steel Radial	
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	240 (35)	
		Rear [kPa (psi)]	240 (35)	
	Rev./mile - at 70 km/h (45 mph)		894	900 (b)
Wheels	Type & material		Disc Steel	
	Rim (size & flange type)		13 x 5.0 JB	14 x 5.5 JJ (c)
	Wheel offset		40 (1.6)	
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	100 (3.94)	
		Number & size	4 - M12 x 1.5mm (d)	
Spare	Tire and wheel (same, if other describe)		P 165/75 D 13 Low Mileage Spare (e)	
	Storage position & location (describe)		Horizontal-Rear Floor Pan Under Cargo Floor	

Tires and Wheels (Optional)

Size (load range)	P 195/60 R 14, SL
Type (bias, radial, etc.)	Steel Radial
Wheel (type & material)	Cast Aluminum
Rim (size, flange type and offset)	14 x 5.5 JJ 40 (1.6)
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	Conventional Spare Same as Road Tire

Brakes - Parking

Type of control		Hand Release Lever
Location of control		Floor, Between Front Seats
Operates on		Rear Wheels
If separate from service brakes	Type (internal or external)	-
	Drum diameter	-
	Lining size (length x width x thickness)	-

Shelby Turbo Charger: (a) P205/50 VR, 15, SL, 2/4 (b) 904 (c) 15 x 6JJ (d) 5-M12 x 1.5mm (e) T115/70D14 CS Only
Omni GLH: (a) 195/50 HR 15, SL, 2/4 (b) 920 (c) 15 x 6JJ (d) 5-M 12 x 1.5mm (e) T115/70D14 Compact Spare Only

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Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Body Type And/Or Engine Displacement	24 (except Shelby Turbo Charger)	44 (except GLH)

SteeringManual (std., opt., n.a.)

Manual (std., opt., n.a.)					standard	
Power (std., opt., n.a.)					optional	
Adjustable steering wheel (tilt, swing, other)		Type and description				
		(Std., opt., n.a.)			Not Available	
Wheel diameter (W9) SAE J1100		Manual			381 (15)	
		Power			381 (15)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)			11.8 (38.8) L; 12.3 (40.5) R	11.9 (39.1) L; 12.4 (40.8) R
		Curb to curb (l. & r.)			11.1 (36.4) L; 11.6 (38.2) R	11.3 (37.2) L; 11.9 (39.1) R
	Inside rear	Wall to wall (l. & r.)			6.5 (21.3) L; 7.1 (23.3) R	6.8 (22.4) l; 7.5 (24.5) R
		Curb to curb (l. & r.)			6.7 (22.1) L; 7.3 (24.1) R	6.9 (22.8) L; 7.6 (24.8) R
Scrub Radius*					-8 (-0.3)	
Manual	Gear	Type			rack and pinion	
		Make			Cam Gears	
		Ratios	Gear		--	
			Overall		22:1	
	No. wheel turns (stop to stop)				3.6	
Power	Type (coaxial, linkage, etc.)				integral power unit	
	Make				Saginaw	
	Gear	Type			rack and pinion with integral power unit	
		Ratios	Gear		--	
			Overall		18:1	
	Pump (drive)				pulley and belt, off crankshaft	
	No. wheel turns (stop to stop)				2.88	
Linkage	Type				rack and pinion (rod and ball directly attached to gear)	
	Location (front or rear of wheels, other)				rear of wheels	
	Tie rods (one or two)				2 (tie rod inners integral with rack and pinion gear)	
Steering Axis	Inclination at camber (deg.)				13.36	
	Bearings (type)	Upper			acetal thermoplastic bearing	
		Lower			ball joint	
		Thrust			acetal thermoplastic bearing	
Steering spindle & joint type					Iso-Strut with lower ball joint	
Wheel spindle	Diameter	Inner bearing			76/40 (3.0/1.57) dia.; 28/33 (1.1/1.3) wide	
		Outer bearing			--	
	Thread (size)				M22 x 1.5	
	Bearing (type)				double row Unipack ball or tapered roller bearing	

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

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

Car Line **DODGE OMNI/CHARGER**
Model Year **1986** Issued **6 - 15 - 85** Revised (•) _____

Body Type And/Or Engine Displacement	Shelby Turbo Charger	GLH

SteeringManual (std., opt., n.a.)

Manual (std., opt., n.a.)					not available	
Power (std., opt., n.a.)					standard	
Adjustable steering wheel (tilt, swing, other)		Type and description				
		(Std., opt., n.a.)			Not Available	
Wheel diameter (W9) SAE J1100		Manual			--	
		Power			381 (15)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)			12.6 (41.2) L; 13.1 (43.1) R	12.6 (41.4) L; 13.2 (43.3) R
		Curb to curb (l. & r.)			11.9 (38.9) L; 12.5 (40.9) R	12.1 (39.8) L; 12.8 (41.8) R
	Inside rear	Wall to wall (l. & r.)			7.3 (23.9) L; 8.0 (26.1) R	7.7 (25.2) L; 8.3 (27.4) R
		Curb to curb (l. & r.)			7.5 (24.7) L; 8.2 (26.8) R	7.8 (25.4) L; 8.4 (27.7) R
Scrub Radius*					-8 (-0.3)	
Manual	Gear	Type			--	
		Make			--	
		Ratios	Gear		--	
			Overall		--	
	No. wheel turns (stop to stop)				--	
Power	Type (coaxial, linkage, etc.)				integral power unit	
	Make				Saginaw	
	Gear	Type			rack and pinion with integral power unit	
		Ratios	Gear		--	
			Overall		14.1	
	Pump (drive)				pulley and belt, off crankshaft	
	No. wheel turns (stop to stop)				2.34	
Linkage	Type				rack and pinion (rod and ball directly attached to gear)	
	Location (front or rear of wheels, other)				rear of wheels	
	Tie rods (one or two)				2 (tie rod inners integral with rack and pinion gear)	
Steering Axis	Inclination at camber (deg.)				13.36	
	Bearings (type)	Upper			acetal thermoplastic bearing	
		Lower			ball joint	
		Thrust			acetal thermoplastic bearing	
Steering spindle & joint type					Iso-Strut with lower ball joint	
Wheel spindle	Diameter	Inner bearing			76/40 (3.0/1.57) dia.; 28/33 (1.1/1.3) wide	
		Outer bearing			--	
	Thread (size)				M22 x 1.5	
	Bearing (type)				double row Unipack ball or tapered roller bearing	

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

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

Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Body Type And/Or Engine Displacement	24	44

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	-
		Camber (deg.)	-0.2° to +0.8°
		Toe-in [outside track-mm (in.)]	5.6 (0.218) Toe-in to 3.2 (0.125) Toe-out
	Service reset*	Caster	Not adjustable
		Camber	Same as above
		Toe-in	Same as above
	Periodic M.V. inspection	Caster	-
		Camber	-
		Toe-in	-
Rear wheel at curb mass (wt.)	Service checking	Camber	-1.3° to +0.3°
		Toe-in [outside track-mm (in.)]	7.6 (0.3) Toe-out to 7.6 (0.3) Toe-in
	Service reset*	Camber	Same as above (shim)
		Toe-in	Same as above (shim)
	Periodic M.V. inspection	Camber	-
		Toe-in	-

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

Electrical - Instruments and Equipment

		Base Cluster	Rallye Cluster
Speedometer	Type	Magnetic torque drive	
	Trip odometer (std., opt., n.a.)	Standard	
EGR maintenance indicator		-	
Charge indicator	Type	Voltmeter	
	Warning device	-	
Temp. Indicator	Type	Light	Magnetic gage
	Warning device	-	
Oil pressure indicator	Type	Light	Magnetic gage
	Warning device	-	Light
Fuel indicator	Type	Magnetic gage	
	Warning device	-	
Wind shield wiper	Type (standard)	Electric 2-speed, intermittent wipe	
	Type (optional)	-	
	Blade length	406.4 (16)	
	Swept area [cm^2 ($in.^2$)]	2-door: 4741 (735) 4-door: 4755 (737)	
Windshield washer	Type (standard)	Electric	
	Type (optional)	-	
	Fluid level indicator	-	
Horn	Type	Four-inch seashell	
	Number used	Two, standard	
Other			

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Car Line **DODGE OMNI/CHARGER**
Model Year **1986** Issued **6-15-85** Revised (•)

Engine Description/Carb. / Engine Code	1.6L (97.1 in.3) 2 bbl., ECA	2.2L (135.0 in.3)		
		2 bbl., EDE	2 bbl., EDJ	EFI Turbo, EDG

Electrical - Supply System

Battery	Make	Mopar		
	Model, std., (opt.)	GRP 26		
	Voltage	12V		
	Amps at 0°F cold crank	335 (430)*		
	Minutes-reserve capacity	62 (100)		
	Amp/hr. - 20 hr. rate	-		
	Location	Left front fender side shield		
Generator or alternator	Type and rating	65 Amp	60 Amp	78 Amp
	Ratio (alt. crank/rev.)	2.2:1	2.4:1	
	Optional (type & rating)	-	78 Amp	-
Regulator	Type	Electronic		

Electrical - Starting System

Start.motor	Current drain at 0°F	180-220A	200-240A
Motor drive	Engagement type	Solenoid shift	
	Pinion engages from (front, rear)	Front	

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)		Standard		
	Other (specify)		Spark control computer w/feedback carburetor controller		
Coil	Make		UTC or Prestolite		
	Model		5226865 5226866		
	Current	Engine stopped - A	3.0A		
		Engine idling - A	1.9A		
Spark plug	Make		Champion		
	Model		RN12YC		
	Thread (mm)		14 mm		
	Tightening torque [N-m (lb-ft)]		(20)		
	Gap		(0.035in.)		
	Number per cylinder		one		
Distributor	Make		Chrysler		
	Model		5213575	5206975 (AUP) 5226575 (AFT)	5226525

Electrical - Suppression

Locations & type	

* Canada only

MVMA Specifications Form
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METRIC (U.S. Customary)

Car Line DODGE OMNI / CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Body Type	24	44

Body

Structure		
Bumper system front - rear	Front - Urethane Fascia 6.9 kg(15.3 lb) (a) Aluminum 4.8 kg(10.75 lb) Rear - Urethane Fascia 3.7 kg(8.2 lb) Steel 9.5 kg(21.0 lb)	Front and Rear- Aluminum Estrusion 3.9 kg(8.6 lb)
Anti-corrosion treatment	Extensive use of galvanized steel.	

Body - Miscellaneous Information

(a) Shelby Turbo Charger: Urethane Fascia - 7.6 lbs(16.8kg)

Type of finish (lacquer, ename other)		Buffable Acrylic Enamel
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	-
	Internal release control (elec., mech., n.a.)	-
Hatch-back lid	Type (counterbalance, other)	Gas Pressurized Struts
	Internal release control (elec., mech., n.a.)	Mechanical
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type (e.g.; 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - Zigzag Element Platform with Full Volume Foam
	Rear	Full Volume Foam
	3rd seat	-
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - Full Foam
	Rear	Full Foam
	3rd seat	-

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Car Line DODGE OMNI/CHARGER
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Body Type	24	44

Restraint System

Active restraint system	Standard/optional	Standard
	Type and description	Front: Lap and shoulder belt Rear: Lap belt
	Location	Front: two Rear: three
Passive seat belts	Standard/optional	-
	Power/manual	-
	2 or 3 Point	-
	Knee bar/lap belt	-

Frame

Type and description (separate frame, unitized frame, partially unitized frame)		Unitized construction	
Glass	**SAE Ref. No.**		
Windshield glass exposed surface area [$cm^2(in^2)$]	S1	7856 (1218)	7764 (1203)
Side glass exposed surface area [$cm^2(in^2)$]	S2	8568 (1328)	
Backlight glass exposed surface area [$cm^2(in^2)$]	S3	11326 (1756)	6803 (1054)
Total glass exposed surface area [$cm^2(in^2)$]	S4	27750 (4302)	23135 (3585)
Windshield glass (type)		Laminated safety glass	
Side glass (type)		Heat treated safety glass	
Backlight glass (type)		Heat treated safety glass	

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Car Line DODGE OMNI / CHARGER
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Body Type

All

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

Air conditioning (manual, auto, temp. control)		Manual- Opt. N.A. w/1.6L Engine
Clock (digital, analog)		Digital - Std. w/Radio
Compass/thermometer		N.A.
Console (floor, overhead)		Floor - Std. Premium Opt. - All Others
Defroster, elec. backlight		ELB - Opt.
Electronic	Diagnostic warning (integrated, individual)	N.A.
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Tripminder (avg. spd., fuel)	N.A.
	Voice alert (list items)	N.A.
	Other	
Fuel door lock (remote, key, electric)		N.A.
Lamps	Auto head on / off delay, dimming	N.A.
	Cornering	N.A.
	Courtesy (map, reading)	Std. - Sport Opt. - High / Premium
	Door lock, ignition	Ignition - Opt.
	Engine compartment	N.A.
	Fog	Opt. Only W/Package.
	Glove compartment	Opt.
	Trunk (Cargo)	Std. - 4-Door Opt. - 2-Door
	Other Dome	Std.
	Shift indicator	Std. N.A. w/Automatic
Mirrors	Day/night (auto. man.)	Manual - Std.
	L.H (remote, power, heated)	Remote - Std.
	R.H. (convex, remote, power, heated)	Remote Std. - Premium/Sport Opt. - All Others
	Visor vanity (RH / LH, illuminated)	RH Std. RH w/Visor Vanity - Opt.(Std..- Premium
Parking brake-auto release (warning light)		Std.
Power equipment	Door locks / deck lid - specify	Liftgate Release - Std. N.A. 4-Door
	Seat (2-4-6 way) heated (driver, pass, other) lumbar, hip, thigh support (power, manual) reclining (driver, pass) memory (1-2 preset, recline)	N.A.
	Side windows	N.A.
	Vent windows	N.A.
	Rear window	N.A.
Radio systems	Antenna (location, whip, w/shield, power)	Whip - Std. Right Front Fender
	AM,FM, stereo, tape, CB	See Page 19A
	Speaker (number, location) Premium sound	N.A.
Roof open air/fixed (flip-up, sliding, "T")		Sun Roof - Opt. N.A. 4-Door
Speed control device		Opt. N.A. 1.6L Engine
Speed warning device (light, buzzer, etc.)		N.A.
Tachometer (rpm)		N.A.
Theft protection-type		Inside Hood Release - Std. Glove Box Lock - Std. Locking Steering Column - Std.

(a) AM/FM/MX EBL - Opt. AM/FM/MX Cassette/ETR - Opt. N.A. Low.

(a) AM Electronically Tuned Radio
Std. - Premium 4-Door High
Opt. - 2-Door High/ 4-Door Economy

AM/FM/MX ETR - Opt.
Std. - Sport
Opt. - All

AM/FM/MX Cassette /ETR - Opt.
Opt. - All

AM/FM/MX Cassette/ETR Ultimate Sound System (Includes PremiumSpeakers) - Opt.
Opt. - All

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

Car Line DODGE OMNI/ CHARGER
Model Year 1986 Issued 6-15 Revised (•) _____

See Key Sheets for Definitions

All dimensions to ground are for comparitive purposes only. Dimensions are to be shown for all base body models of each car line SAE Ref. no. refers to the definition published in SAE Recommended Practice J1100 "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	24	44
Width			
Tread (front)	W101	1425 (56.1)	
Tread (rear)	W102	1415 (55.7)	
Vehicle width	W103	1680 (66.1)	1682 (66.8)
Body width at SgRP (front)	W117	1675 (65.9)	1620 (63.8)
Vehicle width (front doors open)	W120	3850 (151.6)	3319 (130.7)
Vehicle width (rear doors open)	W121	3850 (151.6)	3319 (130.7)
Front fender overall width	W106	1680 (66.1)	1599 (63.0)
Rear fender overall width	W107	1680 (66.1)	1584 (62.4)
Tumble-home (deg.)	W122	25°	21
Length			
Wheelbase	L101	2451 (96.5)	2517 (99.1)
Vehicle length	L103	4440 (174.8) (e)	4146 (163.2)
Overhang (front)	L104	983 (38.7) (f)	800 (31.5)
Overhang (rear)	L105	1006 (39.5)	829 (32.6)
Upper structure length	L123	2771 (109.1)	2578 (101.5)
Rear wheel C/L "X" coordinate	L127	2543 (100.1)	2609 (102.7)
Cowl point "X" coordinate	L125	530 (20.9)	534 (21.0)
Front end length at centerline	L126	1421 (55.9)	1242 (48.9)
Rear end length at centerline	L129	248 (9.8)	326 (12.8)
Height*			
Passenger distribution (front/rear)	PD1,2,3	2-FRONT, 3-REAR	
Trunk/cargo load		-	
Vehicle height	H101	1289 (50.7) (a)	1346 (53.0)
Cowl point to ground	H114	887 (34.9)	891 (35.1)
Deck point to ground	H138	821 (32.3)	841 (33.1)
Rocker panel-front to ground	H112	226 (8.9)	213 (8.4)
Bottom of door closed-front to grd.	H133	251 (9.9)	269 (10.6)
Rocker panel-rear to ground	H111	198 (7.8)	226 (8.9)
Bottom of door closed-rear to grd.	H135	-	257 (10.5)
Windshield slope angle	H122	58°	54
Backlight slope angle	H121	68°	53
Ground Clearance			
Front bumper to ground	H102	269 (10.6)	366 (14.4)
Rear bumper to ground	H104	243 (9.6)	302 (11.9)
Bumper to ground [front at curb mass (wt.)]	H103	284 (11.2)	385 (15.2)
Bumper to ground [rear at curb mass (wt.)]	H105	332 (13.1)	388 (14.3)
Angle of approach (degrees)	H106	16° (b)	20
Angle of departure (degree)	H107	13° (c)	21
Ramp breakover angle (degrees)	H147	14° (d)	15
Axle differential to ground (front/rear)	H153	N.A.	
Min. running ground clearance	H156	95 (3.74)	118 (4.6)
Location of min. run. grd. clear.		REAR FLOOR PAN.	FRT. SUSP. C'MBR BRKT (L.H.)

*All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified. Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.
(a) Shelby Charger: 1275 (50.2) (b) (c) Shelby Charger: 10.1° (d) Shelby Charger: 11.6° (e) Shelby Charger: 4437 (174.7)
(f) Shelby Charger: 980 (38.6)

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

Car Line **DODGE OMNI/CHARGER**
Model Year **1986** Issued **6-15-85** Revised (•) _____

Body Type	SAE Ref. No.	24 Low-Back	44 Low-Back
Front Compartment			
SgRP front, "X" coordinate	L31	1420 (55.9)	1409 (55.5)
Effective head room	H61	946 (37.2)	967 (38.1)
Max. eff. leg room (accelerator)	L34	1079 (42.5) (a)	1069 (42.1)
SgRP to heel point	H30	215 (8.5)	240 (9.4)
SgRP to heel point	L53	883 (34.8)	868 (34.1)
Back angle	L40	26°	
Hip angle	L42	97°	
Knee angle	L44	129°	126.5
Foot angle	L46	89°	87
Design H-point front travel	L17	191 (7.5)	
Normal driving & riding seat track trvl.	L23	191 (7.5)	
Shoulder room	W3	1326 (52.2)	1314 (51.7)
Hip room	W5	1336 (52.2)	
Upper body opening to ground	H50	1168 (46.0)	1237 (48.7)
Steering wheel maximum diameter	W9	381 (15.0)	
Steering wheel angle	H18	25°	
Accel. heel pt. to steer. whl. cntr.	L11	486 (19.1)	
Accel. heel pt. to steer. whl. cntr.	H17	603 (23.7)	
Steering wheel to C/L of thigh	H13	89 (3.5)	74.5 (2.9)
Steering wheel torso clearance	L7	382 (15.0)	357 (14.0)
Headlining to roof panel (front)	H37	16 (0.6)	17 (0.7)
Undepressed floor covering thickness	H67	25 (1.0)	
Rear Compartment			
SgRP Point couple distance	L50	667 (26.3)	749 (29.5)
Effective head room	H63	874 (34.4)	937 (36.9)
Min. effective leg room	L51	728 (28.7)	846 (33.3)
SgRP (second to heel)	H31	273 (10.7)	307 (12.1)
Knee clearance	L48	-84 (-3.3) (b)	-30 (-1.2)
Compartment room	L3	550 (21.7) (c)	628 (24.7)
Shoulder room	W4	1292 (50.9)	1309 (51.5)
Hip room	W6	1172 (46.1)	1178 (46.4)
Upper body opening to ground	H51	-	1227 (48.3)
Back angle	L41	22°	26
Hip angle	L43	72°	83.5
Knee angle	L45	62.5°	80.0
Foot Angle	L47	99°	106
Headlining to roof panel (second)	H38	-	18 (0.7)
Depressed floor covering thickness	H73	18 (0.7)	
Luggage Compartment			
Usable luggage capacity [L (cu. ft.)]	V1	303 (10.7) (d)	297 (10.5) (e)
Liftover height	H195	701 (27.6)	739 (29.1)
Interior Volumes (EPA Classification)			
Vehicle class (subcompact,compact, etc.)		Subcompact	Compact
Interior volume index (cu. ft.)		95.5	100.2
Trunk/cargo index (cu. ft.)		527 (18.6)	442 (15.6)

(a) Shelby Hi-Back Bucket: 1057 (41.6)
(b) Shelby Hi-Back Bucket: -96 (-3.8)
(c) Shelby Hi-Back Bucket: 543 (21.4)
(d) With Tonneau Cover
(e) With Shelf Panel

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

Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

See Key Sheets for Definitions

Body Type	SAE Ref. No.	24		44	
		Low-Back Bucket	Hi-Back Bucket	Low-Back Bucket	Hi-Back Bucket
Station Wagon - Third Seat					
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				
Seat facing direction	SD1				
Back angle	L88				
Hip angle	L89				
Knee angle	L90				
Foot angle	L91				
Station Wagon - Cargo Space					
Cargo length (open front)	L200				
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				
Cartgo width (wheelhouse)	W201				
Rear opening width at floor	W203				
Opening width at belt	W204				
Max. rear opening width above belt	W205				
Cargo height	H201				
Rear opening height	H202				
Tailgate to ground height	H250				
Front seat back to load floor height	H197				
Cargo volume index [$m^3(ft.^3)$]	V2				
Hidden cargo volume [$m^3(ft.^3)$]	V4				
Cargo volume index-rear of 2-seat	V10				
Hatchback - Cargo Space					
Cargo length at front seatback height	L208	1102 (43.4)	884 (34.8)	1044 (41.1)	926 (36.5)
Cargo length at floor (front)	L209	1574 (62.0)	1567 (61.7)	1576 (62.0)	1569 (61.8)
Cargo length at second seatback height	L210				
Cargo length at floor (second)	L211				
Front seatback to load floor height	H197	532 (20.9)	613 (24.1)	554 (21.8)	636 (25.0)
Second seatback to load floor height	H198				
Cargo volume index [$m^3(ft.^3)$]	V3	0.918 (32.4)	0.971 (34.3)	0.936 (33.0)	1.03 (36.6)
Hidden cargo volume [$m^3(ft.^3)$]	V4	–	–	–	–
Cargo volume index-rear of 2-seat	V11	–		–	
Aerodynamics*					
Wheel lip to ground, front		622 (24.5)		606 (23.9)	
Wheel lip to ground, rear		604 (23.8)		610 (24.0)	
Frontal area [$m^2(ft^2)$]		1.84 (19.84)		1.89m^2 (20.3)	
Drag coefficient (Cd)		N.A.			

*Describe measurement method

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Car Line DODGE OMNI / CHARGER
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Body Type	ALL

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		The center of gauge holes located in front longitudinals approximately 658 mm (25.9 in.) from centerline of front wheels.
Rear		The center of gauge holes located in rear longitudinals approximately 3023 mm (119.0 in) from the centerline of front wheels.
Fiducial Mark Number		
Front	W21	414 (16.3)
	L54	750 (29.5)
	H81	-30.7 (-1.2) Bottom Surface of Longitudinal
	H161	
	H163	
Rear	W22	502 (19.76)
	L55	3114 (122.6)
	H82	145 (5.7) Bottom Surface of Longitudinal
	H162	
	H164	

*Reference - SAE Recommended Practice, J182, Motor Vehicle Fiducial Marks.
All linear dimensions are in millimeters (inches).

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

Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6 - 15 - 85 Revised (•) _____

Body Type			24	44
Lamps and Headlamp Shape*				
Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	635.0 (25.0)	633.0 (24.9)
		Lowest	--	
	Taillamp (SAE - H128)	Highest**	658.0 (25.9)	674.0 (26.5)
		Lowest	--	
	Sidemarker	Front	400.0 (15.7)	629.0 (24.8)
		Rear	661.0 (26.0)	756.0 (29.8)
Height above ground to center of bulb or marker	Headlamp	Inside	395.0 (15.6)	--
		Outside**	572.0 (22.5)	503.0 (19.8)
	Taillamp	Inside	--	
		Outside**	638.0 (25.1)	585.0 (23.0)
	Directional	Front	576.0 (22.7)	700.0 (27.6)
		Rear	638.0 (25.1)	585.0 (23.0)
Halogen headlamp (std., opt., n.a.)	Lo beam		standard	combined--standard
	Hi beam		standard	combined--standard
	Replaceable bulb		not available	not available
	Shape		rectangular	rectangular
Headlamp other than above	Lo beam		--	--
	Hi beam		--	--
	Replaceable		--	--
	Shape		--	--
	Type		--	--

*Measured at curb mass (weight).
**If single lamps are used enter here.

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

Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Model	Vehicle Mass (weight)							
	CURB MASS, kg. (weight, lb.)*			%PASS. MASS DISTRIBUTION				Shipping MASS, kg (weight, lb.)**
				Pass in Front		Pass in Rear		
	Front	Rear	Total	Front	Rear	Front	Rear	
Standard Engine Model								
1.6L Engine (97.1 in^3)								
Charger	611	400	1011	47.9	52.1	20.5	79.5	984
2-Door Hatchback	(1348)	(882)	(2230)					(2170)
Omni	609	371	980	49.6	50.4	20.0	80.0	953
4-Door Hatchback	(1342)	(818)	(2160)					(2100)
Omni SE	614	376	990	49.6	50.4	20.0	80.0	963
4-Door Hatchback	(1354)	(828)	(2182)					(2122)
2.2L Engine (135.0 in^3)								
Hi-Performance								
Charger 2.2L	661	409	1070	47.9	52.1	20.5	79.5	1043
2-Door Hatchback	(1458)	(901)	(2359)					(2299)
2.2L Engine (135.0 in^3)								
Turbo								
Shelby Turbo Charger	689	423	1112	47.9	52.1	20.5	79.5	1085
2-Door Hatchback	(1519)	(932)	(2451)					(2391)
Optional Engine Models								
2.2L Engine (135.0 in^3)								
Omni	637	365	1002	49.6	50.4	20.0	80.0	975
4-Door Hatchback	(1405)	(805)	(2210)					(2150)
Omni SE	639	373	1012	49.6	50.4	20.0	80.0	985
4-Door Hatchback	(1409)	(823)	(2232)					(2172)
Charger	642	393	1035	47.9	52.1	20.5	79.5	1007
2-Door Hatchback	(1414)	(867)	(2281)					(2221)
Charger 2.2L	674	407	1081	47.9	52.1	20.5	79.5	1054
2-Door Hatchback	(1487)	(897)	(2384)					(2324)
(Automatic Trans. only)								

*Reference - SAE J1100 Motor vehicle dimensions, curb weight definition.

**Shipping mass (weight) definition -

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

Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS, kg. (weight, lb.)			
	Front	Rear	Total	
Cargo Compt. Dress-Up	-0.5	2.3	1.8	W/Silencer Pkg. 2-Dr. Models - Std.
	(-1)	(5)	(4)	Shelby
Cargo Compt. Dress-Up	-0.4	7.7	7.3	W/Silencer Pkg. 4-Dr. Models
	(-1)	(17)	(16)	
Console	2.3	0.4	2.7	Std. Charger 2.2L
	(5)	(1)	(6)	
Center Arm Rest	1.8	1.8	3.6	
	(4)	(4)	(8)	
Tonneau Cover	-0.4	2.7	2.3	2-Dr. Models
	(-1)	(6)	(5)	
Automatic Trans.	15.0	-0.9	14.1	2.2L Engine
	(33)	(-2)	(31)	
Bumper Guards	0.9	0.9	1.8	4-Dr. Models
	(2)	(2)	(4)	
Air Conditioning	34.9	3.1	31.8	Except 1.6L Engine (N/A)
	(77)	(-7)	(70)	
Rear Wiper/Washer	-0.4	4.5	4.1	4-Dr. Models
	(-1)	(10)	(9)	
Undercoating	0.9	1.4	2.3	
	(2)	(3)	(5)	
Sun Roof	2.8	5.4	8.2	2-Dr. Models
	(6)	(12)	(18)	
Backlite Louver	0	6.4	6.4	Charger 2.2L
	(0)	(14)	(14)	
Maximum Cooling	2.3	-0.5	1.8	Non A.C. Models
	(5)	(-1)	(4)	
Speed Control	1.8	0	1.8	N/A 1.6L & 2.2L Turbo Engines
	(4)	(0)	(4)	
Radio - AM	1.4	.4	1.8	Omni, Charger
	(3)	(1)	(4)	
Radio AM/FM/ETR W/Cassette	2.7	3.2	5.9	Prem. W/Gra/Equal. Charger 2.2L
	(6)	(7)	(13)	
Radio AM/FM/ETR W/Cassette	1.8	.5	2.3	Prem. W/Gra Equal. Shelby
	(4)	(1)	(5)	
Radio AM/FM/ETR W/Cassette	4.1	3.6	7.7	Prem. W/Gra/Equal. Charger
	(9)	(8)	(17)	
Power Steering	9.1	.4	9.5	Std. Turbo Engine
	(20)	(1)	(21)	
Firm Feel Suspension	1.4	3.1	4.5	Std. Charger 2.2L
	(3)	(7)	(10)	
P195/60 R14 SBR RWL Tires	5.0	5.0	10.0	Charger, Std. Charger 2.2L
	(11)	(11)	(22)	
Conventional Spare Tire	-0.4	2.3	1.9	Charger, Omni, & Omni S.E.
	(-1)	(5)	(4)	
Conventional Spare Tire	-0.9	8.2	7.3	Charger 2.2L
	(-2)	(18)	(16)	

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

MVMA Specifications Form
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Car Line DODGE OMNI/CHARGER
Model Year 1986 Issued 6-15-85 Revised (•) _____

Optional Equipment Differential Mass (weight)*

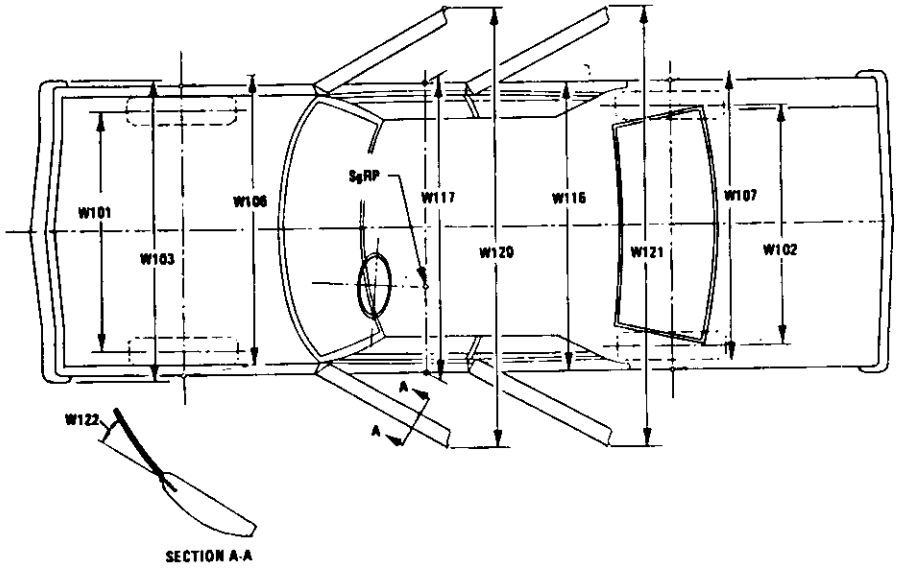
Equipment	MASS, kg. (weight, lb.)			Remarks
	Front	Rear	Total	
"GLH" Package	63.5	21.3	84.8	Omni Model includes Hi-Perf. Engine
	(140)	(47)	(187)	
"GLH" Package	75.7	25.9	101.6	Omni Model includes Turbo Engine
	(167)	(57)	(224)	

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

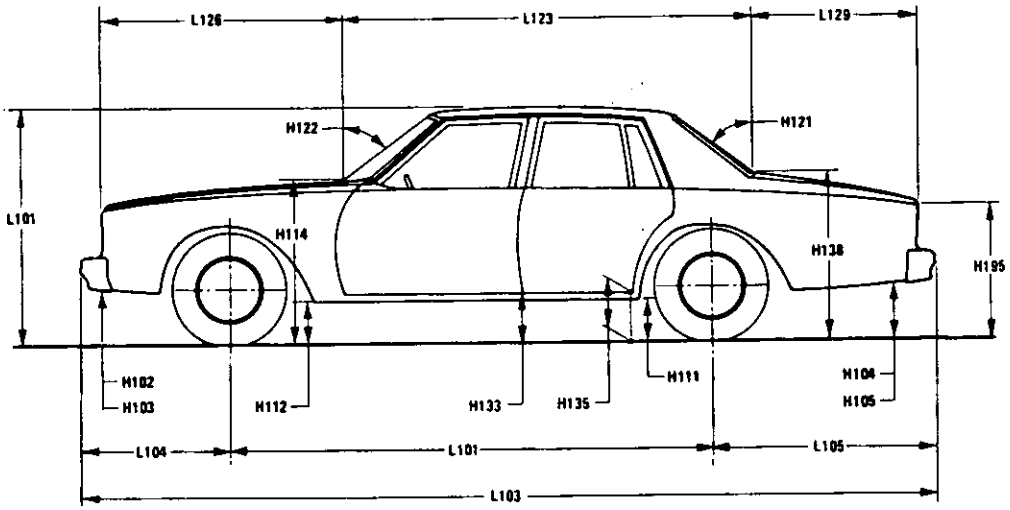
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Exterior Car And Body Dimensions – Key Sheet

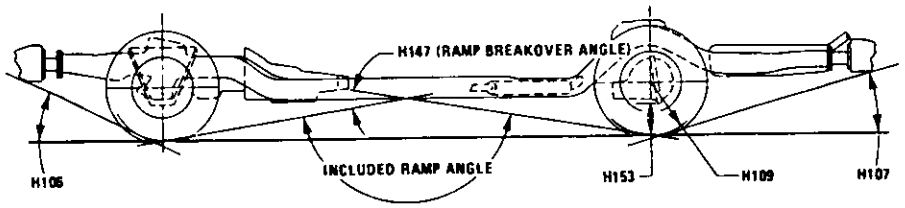
Exterior Width



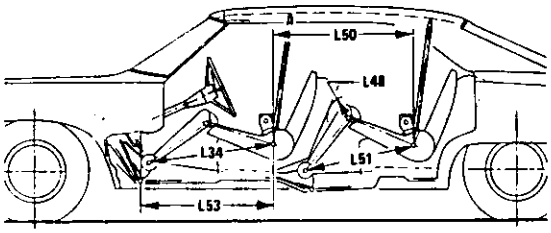
Exterior Length & Height

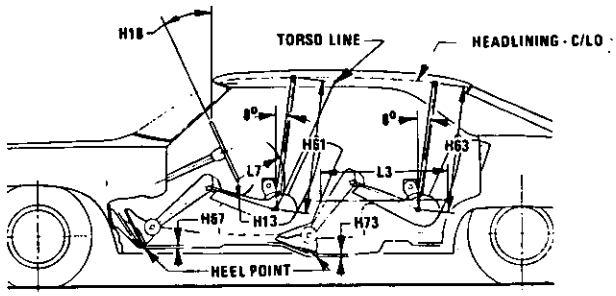


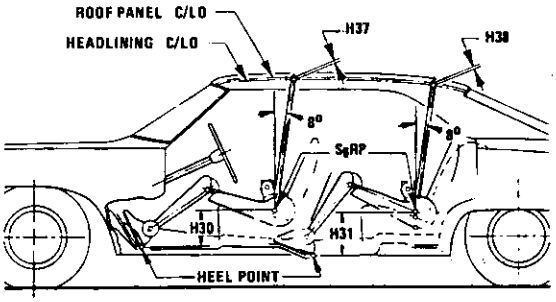
Exterior Ground Clearance

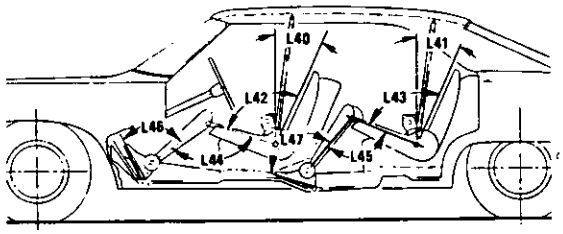


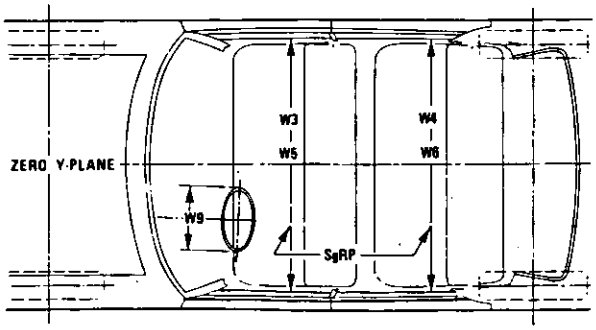
Interior Car And Body Dimensions – Key Sheet

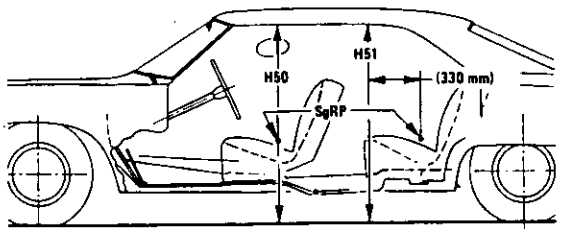






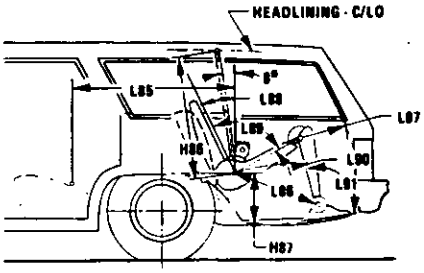


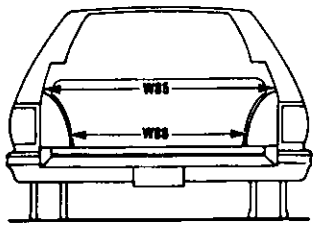




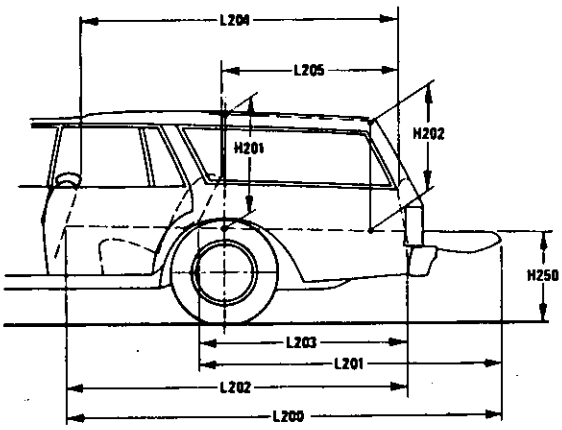
Interior Car And Body Dimensions -- Key Sheet

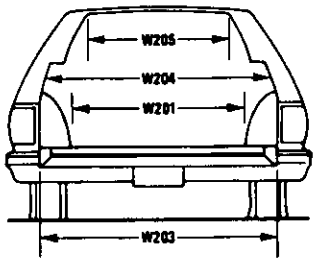
Third Seat



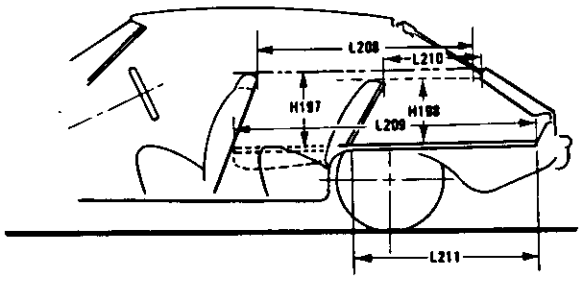


Cargo Space





Station Wagon



Hatchback

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Exterior Car And Body Dimensions – Key Sheet
Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which –

(a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;

(b) Has coordinates established relative to the design vehicle structure;

(c) Simulates the position of the pivot center of the human torso and thigh; and

(d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Devices for Use in Defining and Measuring Vehicle Seating Accommodations,"

Width Dimensions

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

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

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

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

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

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

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

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

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

Length Dimensions

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

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

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

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

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

L125 COWL POINT "X" COORDINATE.

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

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

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

Height Dimensions

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

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

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

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

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

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

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

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

H133 BOTTOM OF DOOR CLOSED–FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.

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

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

Ground Clearance Dimensions

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

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

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Interior Car And Body Dimensions – Key Sheet
Dimensions Definitions

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

H105 REAR BUMPER TO GROUND – CURB MASS (WT.). Measured in the same manner as H104.

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

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

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

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

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

Glass Areas

S1 Windshield area.

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

S3 Backlight areas.

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

Fiducial Mark Dimensions

Fiducial Mark – Number 1

L54 "X" coordinate.

W21 "Y" coordinate.

H81 "Z" coordinate.

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

H163 Height "Z" coordinate to ground.

Fiducial Mark – Number 2

L55 "X" coordinate.

W22 "Y" coordinate.

W82 "Z" coordinate.

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

H164 Height "Z" coordinate to ground.

Front Compartment Dimensions

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

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

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

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

L31 SgRP–FRONT. "X" COORDINATED.

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

L40 BACK ANGLE–FRONT. The angle measured between a vertical line through the SgRP–front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PD1 PASSENGER DISTRIBUTION–FRONT.

Rear Compartment Dimensions

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

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Interior Car And Body Dimensions – Key Sheet
Dimensions Definitions

L41 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 cenerline.

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 front seatback minus 51 mm (2.0 in.).

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

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

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

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

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

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

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

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

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

PD2 PASSENGER DISTRIBUTION–SECOND.

Luggage Compartment Dimensions

V1 USABLE LUGGAGE CAPACITY–Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100.

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

Interior Volumes (EPA Classification)

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

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

Station Wagon – Third Seat Dimensions

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

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

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

L88 BACK ANGLE–THIRD. Mesured 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. rear from the SgRP–third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).

PD3 PASSENGER DISTRIBUTION–THIRD.

SD1 SEAT FACING DIRECTION–THIRD.

Station Wagon – Cargo Space Dimensions

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

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

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

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

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

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

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

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Interior Car And Body Dimensions – Key Sheet
Dimensions Definitions

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

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

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

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

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

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

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

V2 STATION WAGON
Measured in inches:

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

Measured in mm:

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

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

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

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

Measured in mm:

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

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

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

Measured in mm:

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

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

V10 STATION WAGON CARGO VOLUME INDEX.
Measured in inches:

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

Measured in mm:

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

Hatchback – Cargo Space Dimensions

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

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

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

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

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

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

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

V3 HATCHBACK.
Measured in inches:

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

Measured in mm:

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

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

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

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

Measured in mm:

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

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