MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

1989

Manufacturer	Vehicle Line	
CHRYSLER MOTORS CORPORATION	**DODGE OMNI**	
Mailing Address		
DETROIT, MICHIGAN 48288	Issued **9-30-88**	Revised

Direct questions concerning these specifications to the manufacturer listed above.

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

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

MVMA

Motor Vehicle Manufacturers Association of the United States, Inc.

Blank Forms Provided by Technical Affairs Division

MVMA-C-89

MVMA Specifications Form

METRIC (U.S. Customary)

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ø Indicates Format Change From Previous Year

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 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 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.

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Vehicle Line DODGE OMNI
Model Year 1989 Issued 9-30-88 Revised (•) _____

METRIC (U.S. Customary)

Ø Vehicle Origin

Design & Development (company)	Chrysler Motors Corporation
Where built (country)	U.S.A.
Authorized U.S. sales marketing representative	Dodge Division of Chrysler Motors Corporation

Ø Vehicle Models

Model Description & Drive (FWD/RWD/AWD/4WD)*	Introduction Date	Make, Vehicle Models, Series, Body Type (Mfgr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk Cargo Load - Kilograms (Pounds)
Omni 4 - Door Hatchback FWD	Sept. 1988	ZE44	5(2/3)	52(115)

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

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

SERIES AVAILABILITY	ENGINE						Exhaust S/D*	TRANSMISSION/ TRANSAXLE	AXLE RATIO (std. first) (a)
	Code	Displ. Liters (in³)	Induction (FI, Carb/ bbl, etc.)	Compr. Ratio	SAE net at RPM Power kW (bhp)	SAE net at RPM Torque N•m (lb. ft.)			
Standard	EDF	2.2L (135)	EFI	9.5	69 (93) @ 4800	165 (122) @ 3200	S	Manual 5-speed	2.55
								Automatic	2.78

*Single/dual

(a) Overall top gear ratio

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METRIC (U.S. Customary)

Engine Description/Carb.	**2.2L (135.0 in³)**
Engine Code	**EFI, EDF**

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear transverse, longitudinal, sohc,dohc, ohv, hemi, wedge, pre-camber, etc.)		Four cylinder, in-line, SOHC, canted, front, transverse
Manufacturer		Chrysler
No. of cylinders		4
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.) (machined)		Cast Iron 39.51 (87.1)
Cylinder block deck height		237.8 (9.36)
Cylinder block length		418 (16.46)
Deck clearance (minimum) (above or below block)		0.00
Cylinder head material & mass kg (lbs.)		Aluminum 9.71 (21.4)
Cylinder head volume (cm³)		48.5 to 51.5
Cylinder liner material		N.A.
Head gasket thickness (compressed)		1.78 (.070)
Minimum combustion chamber total volume (cm³)		65.31
Cyl. no. system (front to rear)*	L. Bank	R to L as installed - 1, 2, 3, 4
	R. Bank	--
Firing order		1, 3, 4, 2
Intake manifold material & mass [kg (lbs.)]**		Aluminum 2.58 (5.7)
Exhaust manifold material & mass [kg (lbs.)]**		Cast Iron 6.23 (13.7)
Fuel required, unleaded, diesel, etc.		Unleaded regular
Fuel antiknock index (R + M) ÷ 2		87 or higher
Ø Engine mounts	Number	3
	Material and type (elastomeric, hydroelastic, hydraulic damper, etc.	Natural Rubber
	Added isolation (sub-frame, crossmember, etc.)	None
Total dressed engine mass (wt) dry***		141.68 (312.4)

Engine - Pistons

Material & mass, g (weight, oz.) - piston only	Aluminum 445 (15.7)

Engine - Camshaft

Location		Overhead
Material & mass kg (weight, lbs.)		Post-hardened nodular iron 2.92 (6.4)
Drive type	Chain/belt	Belt
	Width/pitch	23.8/9.52 (0.937/0.375)

* 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: starter, alternator, manifolds, water pump, engine mounted emissions controls, power steering pump, drive belts, oil filter, right engine mount, and throttle controls as required.

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Engine Description/Carb.	**2.2L (135.0in³)**
Engine Code	**EFI, EDF**

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Std.
Valves	Number intake/exhaust	4/4
	Head O.D. intake/exhaust	40.6 / 35.4 (1.60/1.39)

Engine - Connecting Rods

Material & Mass [kg., (weight lbs.)]*	Forged steel 0.65 (1.43)
Ø Length (axes ¢ to ¢) mm	151 (5.94)

Engine - Crankshaft

Material & Mass [kg., (weight lbs.)]*		Nodular iron 15.19 (33.5)
End thrust taken by bearing (no.)		Three
Length & number of main bearings		479 (18.9) / 5
Seal (material, one, two piece design, etc.)	Front	One piece
	Rear	One piece

Engine - Lubrication System

Normal oil pressure [kPa (psi) at eng. rpm]	172 - 552) (25-80) @ 3000/Fully warmed
Type of intake (floating, stationary)	Stationary
Oil filter system (full flow, part, other)	Full flow
Capacity of c/case, less filter-refill-L (qt.)	3.8 (4)

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	
Super charger - manufacturer	
Intercooler	

* Finished State

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Engine Description/Carb. Engine Code	2.2L (135.0 in³) EFI, EDF	
	W/O AC	W/AC

Engine - Cooling System

Coolant recovery system (std., opt., n.a.)		Standard	
Coolant fill location (rad, bottle)		Fill through radiator and maintain coolant level in 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 (centifugal, 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.)]		External in series with heater	
Cooling system capacity	With heater - L(qt.)	8.5(9.0)	
	With air cond. - L(qt.)	--	
	Opt. equipment [specify - L(qt.)]	--	
Water jackets full length of cyl. (yes, no)		Yes	
Water all around cylinder (yes, no)		No	
Water jackets open at head face (yes, no)		No	
Radiator core	Std. A/C, HD	standard	A/C
	Type (cross-flow, etc.)	Cross Flow	
	Construction (fin & tube mechanical, braze, etc.)	Tube & fin, mechanical, 2-row, 2-Pass	Tube & Fin Spacer, Soldered, 1 Row
	Material, mass [kg (wgt.lbs.)] (a)	aluminum, 2.09 (4.6) man./2.29 (5.1) auto.	Copper/Brass, 3.7 (8.2) ,man./4.27 (9.4) auto.
	Width	440(17.32)	454(17.87)
	Height	322(12.68)	387.6(15.26)
	Thickness	34(1.34)	17.8(0.7)
	Fins per inch	14.5	15 Man. / 21 Auto.
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) / 46(1.8)
	Ratio (fan to crankshaft rev.)	--	
	Fan cutout type	Electric Motor	
	Drive type (direct, remote)	--	
	RPM at idle (elec.)	1885	1720
	Motor rating (wattage) (elec.)	110	130
	Motor switch (type & location) (elec.)	Thermistor, Water Box & AC clutch	
	Switch point (temp., pressure) (elec.)	93°C (200°F)	(b)
	Fan shroud (material)	Metal	

(a) Mass (weight) shown is for assembly as purchased.
(b) 99°C(210°F) < 40 mph; 110°C(230°F) > 40 mph

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METRIC (U.S. Customary)

Engine Description/Carb.	**2.2L (135.0 in³)**
Engine Code	**EFI, EDF**

Engine - Fuel System (see supplemental page for details of Fuel Injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Electronic fuel injection
Manufacturer		Bosch/Holley
Ø Carburetor no. of barrels		--
Idle A/F mix.		--
Fuel Injection	Point of injection	Throttle body (1)
	Constant, pulse, flow	Pulse
	Control (electronic, mech.)	Electronic
	System pressure [kPa (psi)]	100 (14.5)
Idle spd.-rpm (spec. neutral or drive and propane if used)	Manual	850
	Automatic	850 / Neutral
Intake manifold heat control (exhaust or water thermostatic or fixed)		Water
Air cleaner type		Oil wetted paper element
Fuel filter (type/location)		Paper element; Stainless steel canister; Inline underbody
Ø Fuel pump	Type (elec. or mech.)	Electric
	Location (eng., tank)	In fuel tank
	Pressure range [kPa (psi)]	N.A.
Ø	Flow rate at regulated pressure (L (gal) / hr @ kPa (psi))	77-154 (20-41) @ 12V & 15psi

Fuel Tank

Capacity refill L (gallons)		49 (13)
Location (describe)		Forward of axle
Attachment		Galvanized or terne plated strap to floor pan
Material & Mass [kg (weight lbs.)]		Terne plated steel 9.34 (20.6)
Filler pipe	Location & material	Right rear quarter panel, lead dipped steel tube
	Connection to tank	Rubber grommet
Fuel line (material)		Duplex coated steel
Fuel hose (material)		Fuel resistant rubber
Return line (material)		Duplex coated steel
Vapor line (marterial)		Duplex coated 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.	**2.2L (135.0in³)**
Engine Code	**EFI, EDF**

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, engine modifications, other)		exhaust gas recirc., eng. mod's, catalytic converter (Aspirator added, 49 states with manual trans. only)
	Air injection	Pump or pulse	pulse (Aspirator added, 49 states with manual transmission only)
		Driven by	exhaust pressure (Aspirator added, 49 states with manual transmission only)
		Air distribution (head, manifold, etc.)	source - air cleaner single point (Aspirator added, 49 states with manual transmission only)
		Point of entry	catalytic converter (Aspirator added, 49 states with manual transmission only)
	Exhaust Gas Recirc-ulation	Type (controlled flow, open orifice, other)	exhaust back pressure-controlled flow
		Exhaust source	exhaust manifold branch
		Point of exhaust injection (spacer, carburetor, manifold, other)	intake manifold
	Catalytic Converter	Type	3 - Way (3 Way + oxidation,49 states with manual transmission only)
		Number of	one
		Location(s)	below exhaust manifold
		Volume [L(in.³)]	1.23 + 0.9 (75 + 55) (a)
		Substrate type	monolithic
Ø		Noble metal type	1.23L & 0.9L: Platinum / Rhodium; o.74L: platinum / Palladium
		Noble metal concentration (g/cm³)	1.23L: 0.0006 / 0.00009 0.9L: 0.0006 / 0.00007 - 0.74L: 0.00085
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		closed induction system
	Energy source (manifold vacuum, carburetor, other)		manifold vacuum
	Discharges (to intake maifold, other)		throttle body
	Air inlet (breather cap, other)		air cleaner
Evapora-tive emis-sion control	Vapor vented to (crank-case, canister, other)	Fuel tank	canister
		Carburetor	--
	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
Muffler no. & type (reverse flow, straight thru, separate resonator) Material & mass [kg. (weight lbs.)]]		tri-flow stainless steel 5.51 (12.1) - includes tail-pipe below
Resonator no. & type		none
Exhaust pipe	Branch o. d., wall thickness	Into catalyst 50.8 x 1.4 (2.00 x 0.055)
	Main o. d. ,wall thickness	Out of catalyst 50.8 x 1.4 (2.00 x 0.055)
	Material & mass [kg. (weight lbs.)]	stainless steel 6.21 (13.7) (Includes 1.90kg(4.18lbs) substrate and mat mount)
Intermed-iate pipe	o. d., & wall thickness	47.8 x 1.2 (1.88 x 0.047)
	Material & mass [kg. (weight lbs.)]	stainless steel 2.14 (4.7)
Tail pipe	o. d., & wall thickness	47.8 x 1.1 (1.88 x 0.043)
	Material & mass [kg. (weight lbs.)]	stainless steel (see muffler assembly)

(a) 1.23 + 0.74 (75 + 45) 3wc oxid. , 49 states with manual transmission

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METRIC (U.S. Customary)

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

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

Manual 3-speed (manufacturer/country)	N.A.
Manual 4-speed (manufacturer/country)	N.A.
Manual 5-speed manufacturer/country)	Std./Chrysler-New Process Gear/U.S.
Automatic (manufacturer/country)	Opt./Chrysler/U.S.
Automatic overdrive (manufacturer/country)	N.A.

Manual Transmission/Transaxle

Number of forward speeds*		5
Gear ratios	1st	3.29
	2nd	2.08
	3rd	1.45
	4th	1.04
	5th	0.72
	Reverse	3.14
Synchronous meshing (specify gears)		All Forward Gears
Shift lever location		Floor
Trans. case mat'l. & mass kg.(lbs.)*		319 Aluminum Die Cast 43.64 (96.2)
Lubricant	Capacity [L (pt.)]	2.3L (4.81pt.)
	Type recommended	API SF/CC SAE 5W-30
Ø		

Clutch (Manual Transmission)

Clutch manufacturer		Luk
Clutch type (dry, wet; single,multiple disc)		Dry Disc, single
Linkage (hydraulic,cable,rod,lever,other)		Cable
Max. pedal effort (nom. spring load, new) N (lbs.)	Depressed	80 (18)
	Released	120 (27)
Assist (spring, power/percent, nominal)		None
Type pressure plate springs		Belleville
Total spring load (nominal, new) N (lbs.)		4400 (989)
Clutch facing	Facing mfgr. & material coding	Textar 314
	Facing material & construction	Woven Asbestos
	Rivets per facing	16
	Outside x inside dia. (nominal)	215 x 154 (8.46 x 6.06)
	Total eff. area [cm² (in²)]	353.6 (54.8)
	Thickness (pressure plate side/ fly wheel side	3.15/3.15 (0.124/0.124)
	Rivet depth (pressure plate side/ fly wheel side)	1.2/1.2 (0.047/0.047) min.
	Engagement cushion method	Wave spring segments
Release bearing type & method lub.		Angular contact ball bearing permanently lubed with grease
Torsional damping method, springs, hysteresis		Coil springs and friction fiber washers

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

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

Automatic Transmission/Transaxle

Trade name		Torqueflite
Type and special features (describe)		Electronic lock-up torque converter with automatically operated planetary gear transmission and parallel axis final drive
Selector	Location	Floor mounted
	Ltr./No. designation	PRND21
Gear ratios	1st	2.69
	2nd	1.55
	3rd	1.00
	4th	--
	Reverse	2.10
Max. upshift speed-drive range [km/h (mph)]		109 (68)
Max. kickdown speed-drive range [km/h (mph)]		103 (64)
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)
Ø	Capacity factor "K"*	210
Lubricant	Capacity [refill L (pt.)]	8.40 (17.75) (a)
	Type recommended	Mopar ATF Plus (Auto. trans. fluid - Type 7176) (b)
Oil cooler (std,opt,n.a.,internal,external,air,liquid)		Standard / in radiator, liquid--w/AC; external, air--w/o AC
Ø Transmission case material & mass kg. (lbs.)**		Die Cast Aluminum 57.35 (126.4)

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/differential bearing adjustment(shim, other)		Shim
Driving wheel bearing		Double row ball
Lubricant	Capacity [L (pt.)]	See transaxle
	Type recommended	See transaxle

Axle or Transaxle Ratio and Tooth Combinations

~~Axle ratio (or~~ overall top gear ratio)		2.55 (manual trans.)	2.78 (auto. trans.)
No. of teeth	Pinion	9	20
	Ring gear or gear	57	61
Ring gear o.d.		198.05 (7.80)	187.4 (7.38)
Transaxle	Transfer gear ratio	--	0.91
	Final drive ratio	3.56	3.05

* Input speed ÷ √torque

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

(a) Torque converter, Transmission and Differential

(b) Dexron II ATF may be used, only if Mopar ATF is not available

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Engine Description/Carb.	**2.2L (135.0 in³)**
Engine Code	**EFI, EDF**

Axle Shafts - Front Wheel Drive

Manufacturer and number used			Two
Type (straight, solid bar, tubular, etc.)		Left	Solid bar
		Right	Tube
Ø Outer diam.x length*x wall thickness	Manual transaxle	Left	GKN-EUR: 22.90 x 345.5 (0.90 x 13.60)
		Right	GKN-EUR: 40.5 x 595.3 x 2.7 (1.59 x 23.44 x 0.016)
	Automatic transaxle	Left	GKN: 22.9 x 314.2 (0.90 x 12.37)
		Right	GKN: 40.5 x 595.3 (1.59 x 23.44)
	Optional transaxle	Left	--
		Right	--
Slip yoke	Type		--
	Number of teeth		--
	Spline o.d.		--
Universal joints	Make and mfg. no.	Inner	GKN-EUR: G169
		Outer	GKN-EUR: 92 AC
	Number used		Two
	Type, size, plunge	Inner	Tripod 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)			--

Ø All Wheel / 4 Wheel Drive

Description and type (part time, full time, 2/4 shift while moving, mechanical, elect., chain/gear, etc.)		
Transfer case	Manufacturer	
	Type	
	Model	
Low range gear ratio		
System disconnect (describe)		
Center differential	Type (bevel, planetary, w or w/o viscous bias, torsen, etc.)	
	Torque split (% front/rear)	

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

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Engine Description/Carb.	**All**
Engine Code	**SDA**

Ø Suspension - General

Car leveling	Standard / optional / not avail.	
	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	
Shock absorber damping controls	Standard / optional / not avail.	
	Manual / automatic control	
	Number of damping rates	
	Type of actuation (manual/ electric motor / air, etc.)	
	sensors	
	Lateral acceleration	
	Deceleration	
	Acclereration	
	Road surface	
Shock absorber (front & rear)	Type	Direct - Hydraulic
	Make	Front: Monroe or Delco Rear: Maremont
	Piston diameter	Front: 32 (1.26) Rear: 25.4 (1.0)
	Rod diameter	Front: 20 (0.79) Rear: 11.1 (0.44)

Ø Suspension - Front

Type & description		Iso-strut
Travel*	Full jounce	75.2 (2.96)
	Full rebound	98.8 (3.89)
Spring	Type (coil, leaf, other) & material	Coil, AISI 5160 H Chromium 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)
	Rate at wheel [N/mm (lb./in.)]	18.4 (105)
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & bar diameter	AISI 1090 Spring steel 25.4 (1.00)

Ø Suspension - Rear

Type & description			Semi-independant trailing arm type
Travel*	Full jounce		62 (2.44)
	Full rebound		135 (5.31)
Spring	Type (coil, leaf, other) & material		Coil: AISI 5160 H Chromium steel
	Size (length x width, coil design height & i.d., bar length & dia.)		Design height: 240 / I.D.: 85 / Wire diameter: 10.4
	Spring rate [N/mm (lb./in.)]		15.8 (90)
	Rate at wheel [N/mm (lb./in.)]		16.2 (93)
	Insulators (type & material)		Compression: Rubber
	If leaf	No. of leaves	--
		Shackle (comp. or tens.)	--
Stabilizer	Type (link, linkless, frameless)		None
	Material & bar diameter		--
Track bar (type)			None

* Define load condition: Passenger Seating - 2 Front - 3 Rear - Full tank of gas

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METRIC (U.S. Customary)

Body Type And Or Engine Displacement	**All**

Ø Brakes - Service

Description				Four-wheel hydraulic-actuated system
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)			Disc
	Rear (disc or drum)			Drum
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
	Reservoir (volume in.^{3}) and source			--
	Pump-type (elec., gear driven, belt driven)			--
Traction control	Operational speed range			
	Type engine intervention (electronic, mech.)			
Anti-lock device	Front/rear (std., opt., n.a.)			
	Manufacturer			
	Type (electronic, mech.)			
	Number sensors or circuits			
	Number anti-lock hydraulic circuits			
	Integral or add-on system			
	Yaw control (yes, no)			
	Hydraulic power source (elec., vac., mtr., pwr., strg.)			
Effective area [cm^2(in.^{2})]* (F/R)				391 (60.6)
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	Outerworking 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 & 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(100lb.) pedal load [kPa (psi)]				Power: 9308 (1350)
Lining clearance			F/R	No major adjustment
Brake lining	Front Wheel	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 outboard	3987 x 12.34 (6.18 x 0.486)
		Size	Secondary or inboard	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 *****		BX-MO-FF
		Material		Rolled asbestos
		****	Primary or outboard	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)
		Size	Secondary or inboard	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 four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) (Disc brake: Square of Outer Working Dia. minus Square of Inner Working Dia. multiplied by Pi/2 for each brake.)
**** Size for drum brakes includes length x width x thickness.
***** Manufacturer I.D., catalog or formulation designation & coefficient of friction classification.

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line DODGE OMNI
Model Year 1989 Issued 9-30-88 Revised (•) _____

Body Type And/Or Engine Displacement	All

Tires And Wheels (Standard)

Tires	Size (load range, ply)		P165/80 R 13, SL
	Type (bias. radial, steel, nylon, 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
Wheels	Type & material		Steel disc
	Rim (size & flange type)		13 x 5.0 JB
	Wheel offset		40 (1.6)
	Attachment	Type (bolt & stud)	Stud
		Circle diameter	100 (3.94)
		Number & size	4 - M12 x 1.5mm
Ø Spare	Tire and wheel		P165/75 D 13 Low mileage spare
	Storage position & location (describe)		Horizontal - Rear floor pan under cargo floor

Tires And Wheels (Optional)

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)	
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)	

Brakes - Parking

Type of control		Hand operated lever with push button release
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)	--

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line **DODGE OMNI**
Model Year **1989** Issued **9-30-88** Revised(•) _____

Engine Description/Carb.	**All**
Engine Code	

Steering

Manual (std., opt., n.a.)					Std.
Power Steering (std., opt., n.a.)					Opt.
Adjustable steering wheel column (tilt, telescope, other)		Type			N.A.
		Manufacturer			--
		(Std., opt., n.a.)			--
Wheel diameter** (W9) SAE J1100		Manual			381 (15)
		Power			381 (15)
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)			--
		Curb to curb (l. & r.)			10.8 (35.5) L; 11.4 (37.5)R
	Inside rear	Wall to wall (l. & r.)			--
		Curb to curb (l. & r.)			--
Scrub Radius*					-8 (-0.3)
Manual	Gear	Type			Rack & pinion
		Manufacturer			Cam gears
		Ratios	Gear		32.3 mm / Rev.
			Overall		22:1
	No. wheel turns (stop to stop)				3.6
Ø Power	Type (coaxial, elec., hyd., etc.)				Integral power unit
	Manufacturer				T.R.W.
	Gear	Type			Rack & pinion with integral power unit
		Ratios	Gear		40.7 mm / Rev.
			Overall		18.0:1
	Pump (drive)				Pulley and belt, off crankshaft
	no. wheel turns (stop to stop)				2.88
Linkage	Type				Rack & Pinion (Rod & ball directly attached to gear)
	Location (front or rear of wheels, other)				Rear of wheels
	Tie rods (one or two)				Two (tie rod inners integral with rack & 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/hub	Diameter	Inner bearing			76/40 (3.0/1.57) dia.:28/33 (1.1/1.3) wide
		Outer bearing			--
	Tread (size)				M22 x 1.5
	Bearing (typt)				Double row angular contact-ball

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

**See page 21

MVMA Specifications Form

Vehicle Line DODGE OMNI
Model Year 1989 Issued 9-30-88 Revised (•) _____

METRIC (U.S. Customary)

Body Type And/Or Engine Displacement	All

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	--
		Camber (deg.)	-0.2° - + 0.8°
		Toe-in [outside track - mm(in)]	0.4° Toe-in to 0.2° Toe-out (a)
	Service reset*	Caster	Not adjustable; Ref. 1.4°; Max. side to side Differential 1.5°
		Camber	+ 0.3° ± 0.5°
		Toe-in	+ 0.1° toe-in ± 0.3° (a)
	Periodic M.V. in-spection	Caster	--
		Camber	--
		Toe-in	--
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	-1.3° to -0.2°
		Toe-in [outside track - mm(in)]	0.4° Toe-out to 0.8° Toe-in (a)
	Service reset*	Camber	-0.75° ± 0.5° (shim)
		Toe-in	+ 0.2° toe-in ± 0.6° (shim) (a)
	Periodic M.V. inspection	Camber	--
		Toe-in	--

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

Electrical - Instruments and Equipment

Speed-ometer	Type (Analog, digital, std., opt.)	Magnetic torque drive
	Trip odometer (std., opt., n.a.)	Std.
EGR maintenance indicator		--
Charge indicator	Type	Voltmeter
	Warning device (light, audible)	--
Temp. indicator	Type	Magnetic gage
	Warning device (light, audible)	--
Oil pressure indicator	Type	Magnetic gage
	Warning device (light, audible)	Light - Std.
Fuel indicator	Type	Magnetic gage
	Warning device (light, audible)	--
Wind-shield wiper	Type (standard)	Electric 2-speed, intermittent wipe
	Type (optional)	--
	Blade length	406.4 (16)
	Swept area [cm^2 (in^2)]	4755 (737)
Wind-shield washer	Type (standard)	Electric
	Type (optional)	--
	Fluid level indicator (light, audible)	--
Rear window wiper, wiper/washer (std., opt., n.a.)		Wiper/washer - Std.
Horn	Type	Seashell
	Number used	1
Other		

(a) Measurements in degrees, not inches

MVMA Specifications Form

Vehicle Line **DODGE OMNI**
Model Year **1989** Issued **9-30-88** Revised(•) _____

METRIC (U.S. Customary)

Engine Description/Carb.	**2.2L (135.0in³)**
Engine Code	**EFI , EDF**

Electrical - Supply System

Battery	Manufacturer	Delco, Exide, Johnson Controls
	Model, std., (opt.)	GRP 34
	Voltage	12V
	Amps at 0°F cold crank	430
	Minutes-reserve capacity	100
	Amp/hrs. - 20 hr. rate	No rating
	Location	Left front fender side shield
Alternator	Manufacturer	Nippondenso
	Rating (idle/max. rpm)	90 HS
	Ratio (alt. crank/rev.)	2.7:1
	Output at idle (rpm, park)	40 A
	Optional (type & rating)	--
Regulator	Type	Engine control computer

Electrical - Starting System

Start,motor	Current drain at 0°F	200 - 250 A
Motor drive	Engagement type	Solenoid shift
	Pinion engages from (front, rear)	Front

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)		N.A.		
	Other (specify)		Engine control computer w/ electronic spark advance & voltage regulator		
Coil	Make		UTC	Prestolite	Diamond
	Model		5226865	5227372	5227252
	Current	Engine stopped - A	3.0 A (for 3 seconds)		
		Engine idling - A	1.9 A		
Spark plug	Make		Champion		
	Model		RN12YC		
	Thread (mm)		14 mm		
	Tightening torque (N-m (lb,ft)]		28 (20)		
	Gap		0.9mm (0.035in)		
	Number per cylinder		One		
Distributor	Make		Chrysler		
	Model		5226575		

Electrical Suppression

Locations & type	Resistor spark plugs;Resistance ignition wire; Capacitor - Alternator, Blower motor ; Diode - A/C clutch, Horn relay, Internal fuel pump filter, Starter relay; Ground cable - Engine to dash, Engine mount, Blocking Diode-Clutch relay

MVMA Specifications Form

METRIC (U.S. Customary)

Vehicle Line **DODGE OMNI**
Model Year **1989** Issued **9-30-88** Revised(•) _____

Body Type	All

Body

Structure	
Ø Bumper system front - rear	Front: Aluminum extrusion, EPDM rubber end caps Rear: Aluminum extrusion, EPDM rubber end caps
Anti-corrosion treatment	Extensive use of galvanized steel

Ø Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)		Enamel - Universal base coat / Clear coat
Hood	Material & mass	14.74 (32.5)
	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	Prop
	Release control (internal, external)	Internal
Trunk lid	Material & mass	--
	Type (counterbalance, other)	--
	Internal release control (elec., mech., n.a.)	--
Hatch-back lid	Material & mass	9.44 (20.8)
	Type (counterbalance, other)	Gas pressurized struts
	Internal release control (elec., mech., n.a.)	--
Tailgate	Material & mass	--
	Type (drop, lift, door)	--
	Internal release control (elec., mech., n.a.)	--
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Window Regulator type (cable, tape, flex, drive, etc.)	Front	
	Rear	
Seat cushion type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - zig-zag element platform with full volume foam
	Rear	Bench - Full volume foam
	3rd seat	--
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - Full foam
	Rear	Bench - Full Foam
	3rd seat	--

MVMA Specifications Form

Vehicle Line **DODGE OMNI**

Model Year **1989** Issued **9-30-88** Revised (•)

METRIC (U.S. Customary)

Body Type	**All**

Ø Restraint System

Seating Position			Left	Center	Right
Active	Type & description (lap & shoulder belt, Standard/Optional	First seat	Lap & Shoulder belt Std.	N.A.	Lap & Shoulder belt Std.
		Second seat	Lap belt Std.	Lap belt Std.	Lap belt Std.
		Third seat	N.A.	N.A.	N.A.
Passive	Type & description (air bag, motorized - 2-point belt, fixed belt, knee bolster, manual - lap belt) Standard/Optional	First seat			
		Second seat			
		Third seat			

Glass	SAE Ref. No.	24 - 2 Door	44 - 4 Door
Windshield glass exposed surface area [$cm^2(in^2)$]	S1	7746 (1203)	
Side glass exposed surface area [$cm^2(in^2)$] - total 2 sides	S2	10488 (1626)	
Backlight glass exposed surface area [$cm^2(in^2)$]	S3	6803 (1054)	
Total glass exposed surface area [$cm^2(in^2)$]	S4	25055 (3883)	
Windshield glass (type)		Laminated safety glass	
Side glass (type)		Heat treated safety glass	
Backlight glass (type)		Heat treated safety glass	

Ø Lamps and Headlamps Locations

Headlamps	Description - sealed beam, halogen, replaceable bulb, etc.	Sealed beam
	Shape	Rectangular
	Lo-beam type (2A1, 2B1, 2C1, etc.)	2B
	Quantity	2
	Hi-beam type (1A1, 2A1, 1C1, 2C1, etc.)	2B
	Quantity	2

Frame

Type and description (separate frame unitized frame, partially-unitized frame)	Unitized Construction

MVMA Specifications Form

Vehicle Line **DODGE OMNI**

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METRIC (U.S. Customary)

Body Type	**All**

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

Ø Air conditioning (manual, auto. temp control)		Manual - Opt.
Clock (digital, analog)		Digital (In radio) - Std.
Compass/thermometer		N.A.
Console (floor, overhead)		Forward floor - Opt.
Defroster, elec. backlight		Std.
Electronic	Diagnostic monitor (integrated, individual)	Integrated - Std.
	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)	Opt.
	Door lock, ignition	N.A.
	Engine compartment	N.A.
	Fog	N.A.
	Glove compartment	N.A.
	Trunk	Std.
	Illuminated entry system (list lamps, activation)	N.A.
Ø	Other	Dome - Std.
Mirrors	Day / night (auto. man.)	Manual - Std.
	L.H. (remote, power, heated)	Remote - Std.
	R.H. (convex, remote, power, heated)	N.A.
	Visor vanity (RH/LH, illuminated)	RH - Std.
Ø Navigation system (describe)		N.A.
Parking brake-auto release (warning light)		Warning light - Std. / Auto release - N.A.

MVMA Specifications Form

Vehicle Line **DODGE OMNI**

Model Year **1989** Issued **9-30-88** Revised (•)

METRIC (U.S. Customary)

Body Type	**All**

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

Ø	Deck lid (release, pull down)			N.A.
	Door locks (manual, automatic, describe system)			N.A.
Power Equipment	Seats	2 - 4 - 6 way, etc.		N.A.
		Reclining (R.H., L.H.)		Dual manual recliners - Std.
		Memory (R.H., L.H., preset, recline		N.A.
		Lumbar, hip, thigh, support		N.A.
		Heated (R.H., L.H., other)		N.A.
	Side windows			N.A.
	Vent windows			N.A.
	Rear windows			N.A.
	Antenna (location, whip, w/shield, power)			Whip - Right front fender - included with radio
Ø	Std.			
Radio systems	Opt.	AM, FM, stereo, tape, compact disc, graphic equalizer, theft deterrent, radio prep pkg., headphone jacks, etc.		AM/FM/MX Electronically tuned radio with digital clock AM/FM/MX/Cassette ETR with digital clock
	Speaker (number, location)			2 / In front doors
Roof open air fixed (flip-up, sliding, "T")				N.A.
Speed control device				N.A.
Speed warning device (light buzzer, etc.)				N.A.
Tachometer (rpm)				Std.
Telephone system (describe)				N.A.
Theft deterrent system				Inside hood release, Glove box lock - Std.

MVMA Specifications Form

Vehicle Line **DODGE OMNI**

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METRIC (U.S. Customary)

Vehicle Dimensions 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.	44
Width		
Tread (front)	W101	1425 (56.1)
Tread (rear)	W102	1415 (55.7)
Vehicle width	W103	1682 (66.8)
Body width at SgRP (front)	W117	1620 (63.8)
Vehicle width (front doors open)	W120	3319 (130.7)
Vehicle width (rear doors open)	W121	3319 (130.7)
Front fender overall width	W106	1599 (63.0)
Rear fender overall width	W107	1584 (62.4)
Tumble-home (deg.)	W122	21°
Length		
Wheelbase	L101	2517 (99.1)
Vehicle length	L103	4146 (163.2)
Overhang (front)	L104	800 (31.5)
Overhang (rear)	L105	829 (32.6)
Upper structure length	L123	2578 (101.5)
Rear wheel C/L "X" coordinate	L127	2609 (102.7)
Cowl point "X" coordinate	L125	534 (21.0)
Front end length at centerline	L126	1242 (48.9)
Rear end length at centerline	L129	326 (12.8)
Height*		
Passenger distribution (front/rear)	PD 1,2,3	2 - Front 3 - Rear
Trunk/cargo load		--
Vehicle height	H101	1346 (53.0)
Cowl point to ground	H114	891 (35.1)
Deck point to ground	H138	841 (33.1)
Rocker panel front to ground	H112	213 (8.4)
Bottom of door closed front to ground	H133	269 (10.6)
Rocker panel rear to ground	H111	226 (8.9)
Bottom of door closed rear to ground	H135	257 (10.5)
Windshield slope angle	H122	54°
Backlight slope angle	H121	53°
Ground Clearance		
Front bumper to ground	H102	366 (14.4)
Rear bumper to ground	H104	302 (11.9)
Bumper to ground [front at curb mass (wt.)]	H103	385 (15.2)
Bumper to ground [rear at curb mass (wt.)]	H105	388 (14.3)
Angle of approach (degrees)	H106	20°
Angle of departure (degrees)	H107	21°
Ramp breakover angle (degrees)	H147	15°
Axle differential to ground (front/rear)	H153	N.A.
Min. running ground clearance	H156	118 (4.6)
Location of min. run. ground clearance		Frt. Susp. C'mbr. Brkt. (L.H.)

* All vehicle **height** and **ground** clearance are made at the Manufacturer's Design Load Weight unless otherwise noted
Manufacturer's Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

MVMA Specifications Form

Vehicle Line **DODGE OMNI**
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METRIC (U.S. Customary)
Vehicle Dimensions See Key Sheets for Definitions

Body Type	SAE Ref. No.	All Lo-Back Bucket
Front Compartment		
SgRP front, "X' coordinate	L31	1409 (55.5)
Effective head room	H61	967 (38.1)
Max. eff. leg room (accelerator)	L34	1069 (42.1)
SgRP to heel point	H30	240(9.4)
SgRP to heel point	L53	868 (34.1)
Back angle	L40	26°
Hip angle	L42	97°
Knee angle	L44	126.5°
Foot angle	L46	87°
Design H - point front travel	L17	191 (7.5)
Normal driving & riding seat track trvl.	L23	191 (7.5)
Shoulder room	W3	1314 (51.7)
Hip room	W5	1336 (52.2)
Upper body opening to ground	H50	1237 (48.7)
Steering wheel maximum diameter*	W9	381 (15.0)
Steering wheel angle	H18	25°
Accel. heel pt. to steering wheel center	L11	486 (19.1)
Accel. heel pt. to steering wheel center	H17	603 (23.7)
Steering wheel to C/L of thigh	H13	74.5 (2.9)
Steering wheel torso clearance	L7	357 (14.0)
Headlining to roof panel	H37	17 (0.7)
Undepressed floor covering thickness	H67	25 (1.0)
Rear Compartment		
SgRP Point couple distance	L50	749 (29.5)
Effective head room	H63	937 (36.9)
Min. effective leg room	L51	846 (33.3)
SgRP (second to heel)	H31	307 (12.1)
Knee clearance	L48	-30 (-1.2)
Compartment room	L3	628 (24.7)
Shoulder room	W4	1309 (51.5)
Hip room	W6	1178 (46.4)
Upper body opening to ground	H51	1227 (48.3)
Back angle	L41	26°
Hip angle	L43	83.5°
Knee angle	L45	80°
Foot angle	L47	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	N.A.
Liftover height	H195	739 (29.1)
Interior Volumes (EPA Classification)		
Vehicle class (subcompact, compact, etc.)		Compact
Interior volume index (cu. ft.)		100.2
Trunk/cargo index (cu. ft.)		15.6

* See Page 14

MVMA Specifications Form

Vehicle Line **DODGE OMNI**

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METRIC (U.S. Customary)

Vehicle Dimensions See Key Sheets for Definitions

Body Type	SAE Ref. No.	Low-Back Bucket	High-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		
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 [m^3($ft.^3$)]	V2		
Hidden cargo volume [m^3($ft.^3$)]	V4		
Cargo volume index-rear of 2nd-seat	V10		
Hatchback - Cargo Space			
Cargo length at front seatback height	L208	1044 (41.1)	926 (36.5)
Cargo length at floor (front)	L209	1576 (62.0)	1569 (61.8)
Cargo length at second seatback height	L210	419 (16.5)	419 (16.5)
Cargo length at floor (second)	L211	902 (35.5)	902 (35.5)
Front seatback to load floor height	H197	554 (21.8)	636 (25.0)
Second seatback to load floor height	H198	511 (20.1)	511 (20.1)
Cargo volume index[m^3($ft.^3$)]	V3	0.936 (33.0)	1.03 (36.6)
Hidden cargo volume [m^3($ft.^3$)]	V4	--	
Cargo volume index-rear of 2nd-seat	V11	15.6	
Aerodynamics*			
Wheel lip to ground, front			
Wheel lip to ground, rear			
Frontal area [m^2($ft.^2$)]			
Drag coefficient (Cd)			

*EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications Form

Vehicle Line **DODGE OMNI**

Model Year **1989** Issued **9-30-88** Revised(•) _____

METRIC (U.S. Customary)

Body Type	All

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location
Front		The center of gauge holes located in front longitudinal approximately 658 mm (25.9 in.) from centerline of front wheels.
Rear		The center of gauge holes located in rear longitudinal 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.

MVMA Specifications Form

Vehicle Line DODGE OMNI

Model Year 1989 Issued 9-30-88 Revised(•) _____

METRIC (U.S. Customary)

Estimated

Vehicle Mass (Weight)

Code Model	CURB MASS, kg (weight, lb.)*			% PASS. MASS DISTRIBUTION				ETWC**
	Front	Rear	Total	Pass. in Front		Pass. in Rear		
				Front	Rear	Front	Rear	
ZE44								
Omni - Four door hatchback	660	382	1042	49.6	50.4	20.0	80.0	
2.2L (135.0 in.^{3}) EDF Engine	(1455)	(841)	(2296)					

SHIPPING MASS (weight) = Curb Weight Less Kg. (lbs.) 30 kg (66 lbs)

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

**ETWC - Equivalent Test Weight Class - U.S. Environmental Protection Agency emission certifications are based on the ETWC's shown.

NA - Not Applicable - applies to model/series combinations not requiring testing.

MVMA Specifications Form

Vehicle Line DODGE OMNI

Model Year 1989 Issued 9-30-88 Revised(•)

METRIC (U.S. Customary)

Estimated

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
Automatic transmission	17.2	-0.9	16.3	
	(38)	(-2)	(36)	
Power steering	9.1	0.4	9.5	
	(20)	(1)	(21)	
Console	2.3	0.4	2.7	
	(5)	(1)	(6)	
Cargo compartment dress-up	-0.4	75.4	5.0	
	(-1)	(12)	(11)	
Radio AM Stereo/FM Stereo Cassette	3.1	0.9	4.0	
	(7)	(2)	(9)	
Air conditioning	32.2	2.3	29.9	
	(71)	(-5)	(66)	

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