

OCT 21 1986

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line PLYMOUTH VOYAGER	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	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.

MVMA Specifications Form

Passenger Car

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NOTE:

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

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

Car Line PLYMOUTH VOYAGER
 Model Year 1987 Issued 6-20-86 Revised (•) _____

Car Models

Model Description & Drive (FWD/RWD)	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No. of Designated Seating Positions (Front/Rear)	Max. Trunk/Cargo Load-Kilograms (Pounds)(a)
VOYAGER-FWD STANDARD WAGON	Sept., 1986	HL52	5(2,3)	
			6(3,3)	
			7(2,3,3)	
VOYAGER SE-FWD STANDARD WAGON	Sept., 1986	HH52	5(2,3)	
			6(3,3)	
			7(2,3,3)	
EXTENDED WAGON	March, 1987	HH53	8(3,2,3)	
			5(2,3)	
			7(2,2,3)	
VOYAGER LE-FWD STANDARD WAGON	Sept., 1986	HP52	5(2,3)	
			7(2,2,3)	
			8(3,2,3)	
EXTENDED WAGON	March, 1987	HP53	5(2,3)	
			7(2,2,3)	
			7(2,2,3)	

(a) Refer to chart

		PASSENGER SEATING							
		5			5(i)	6	6(i)	7	8
		CYD	CYR	CY8	CYL	CYM	CYN	CYE	CYF
G	Z1 A								
	04550	200	200		150	200	150		
V	Z1 B								
	04750	400	400		350	350	300	150	
W	Z1 C			400				150	
	04900							150	
R	Z1 D								
	04700	400	400	400	350	350	300	150	
	Z1 E								150
	05000								150

(i) CONVERT-A-BED

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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.

[illegible]

(a) Available mid year

(b) NA EDE engine @ high altitude and California

MVMA C-87

(c) NA Manual Transmission

(d) Not available after mid-year

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Engine description/Carb.
 Engine Code

2.2L (135.0 in³)
2 bbl, EDE

2.5L (153.0 in³)
EFI, EDM

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)

Four-cylinder, in-line, SOHC, canted, front, transverse

Manufacturer		Chrysler	
No. of Cylinders		Four	
Bore		87.5 (3.44)	
Stroke (C/L to C/L)		92.0 (3.62)	
Bore spacing (C/L to C/L)		96.0 (3.78)	
Cylinder block mat'l. & mass kg (lbs.) (machined)		Cast Iron 35.79 (78.9)	Cast Iron 39.42 (86.9)
Cylinder block deck height		237.8 (9.36)	249.8 (9.83)
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 (cm ³)		48.5 -51.5	
Cylinder liner material		n.a.	
Head gasket thickness (compressed)		1.78 (.070)	
Minimum combustion chamber total volume (cm ³)		Clearance volume: 65.31	Clearance Volume: 73.815
Cyl. no. system (front to rear)*	L. Bank	Right to left as installed in car 1, 2, 3, 4 --	
	R. Bank		
Firing order		1, 3, 4, 2	
Intake manifold matl. & mass [kg(lbs.)]**		Aluminum 2.62 (5.8)	
Exhaust manifold matl. & mass [kg(lbs.)]**		Cast iron 6.23 (13.7)	
Recommended fuel (leaded, unleaded, diesel)		Regular unleaded	
Fuel antiknock index	$\frac{R + M}{2}$	87 octane or higher	
Total dressed engine mass (wt) dry***		140.25 (309.2)	140.57 (309.9)

Engine - Pistons

Material & mass, g (weight, oz.) piston only	Aluminum	
	445 (15.7)	427 (15.1)

Engine - Camshaft

Location	Overhead	
Material & mass kg (weight, lbs.)	Hardenable cast iron 2.92 (6.4)	
Drive type	Chain/belt	Belt
	Width/pitch	Width: 24.7 (0.972) (a)
		23.8 (0.937) (a)

*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 emission controls, drive belts, oil filter, right engine mount, and throttle controls as required. EDE engine also includes carburetor, air cleaner, ignition system, and fuel pump.

(a) Pitch: 9.52 (0.375)

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Engine description/Carb.
 Engine Code

2.6 L (155.9 in³)
2 bbl, EEA

3.0L (181.4 in³)
MPI, EFA

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	Four-cylinder, inline,sohc, front, transverse	V-6, 60°, sohc, front, transverse
Manufacturer	Mitsubishi Motors Corporation	
No. of Cylinders	4	6
Bore	91.1 (3.59)	
Stroke (C/L to C/L)	98.0 (3.86)	76.0 (2.99)
Bore spacing (C/L to C/L)	101 (3.98)	108 (4.25)
Cylinder block mat'l & mass [kg (lbs)] (machined)	Cast iron 48.5 (106.9)	Cast iron 47.14 (103.9)
Cylinder block deck height	251 (9.88)	210.5 (8.29)
Cylinder block length	439 (17.28)	384 (15.12)
Deck clearance (minimum) (above or below block)	0.0 at o.d 0.3 (0.011) at crown	Partial Open Deck Design
Cylinder head material & mass kg (lbs.)	Aluminum alloy 10.0 (22.0)	Aluminum alloy 14.25 (31.4)
Cylinder head volume (cm ³)	75.2	46.3 +/- 0.666
Cylinder liner material	n.a.	
Head gasket thickness (compressed)	1.25 (.049)	1.20-1.325 (0.047-0.052)
Minimum combustion chamber total volume (cm ³)	83.0	
Cyl. no. system (front to rear)*	L. Bank	1,2,3,4 (a)
	R. Bank	--
Firing order	1, 3, 4, 2	1,2,3,4,5,6
Intake manifold matl. & mass [kg(wt., lbs.)]**	Aluminum alloy 2.70 (5.95)	Die-cast aluminum 8.44 (18.6)
Exhaust manifold matl. & mass [kg(lbs.)]**	Cast iron 5.40 (11.90)	Nodular cast iron 10.04 (22.1)
Recommended fuel (leaded, unleaded, diesel)	Regular unleaded	Regular unleaded
Fuel antiknock index $\frac{R + M}{2}$	87 Octane or higher	87 Octane or higher
Total dressed engine mass (wt) dry***	156.0 (343.9)	158.94 (350.4)

Engine - Pistons

Material & mass, g (weight, oz.) piston only	Aluminum alloy	
	465 (16.4)	575 (20.3)

Engine - Camshaft

Location	overhead	
Material & mass kg (weight, lbs.)	Cast iron	
	2.86 (6.31)	4.89 (10.8)
Drive type	Chain/belt	Chain
	Width/pitch	23.3 (0.917)/9.525 (0.375)
		Belt
		--/9.525 (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:

(a) Right to left as installed in car

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Revised(•)

Engine description/Carb.
 Engine Code

**2.2L (135.0 in.3)
 2V - EDE**

**2.5L (153.0 in.3)
 EFI, EDM**

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)

Std.

Valves

Number intake/exhaust

4/4

Head O.D. intake/exhaust

40.6 mm. / 35.4 mm.

Engine - Connecting Rods

Material & Mass [kg., (weight lbs.)]

Forged steel 0.63 (1.4)

Forged steel 0.67 (1.5)

Engine - Crankshaft

Material & Mass [kg., (weight lbs.)]

Nodular iron 15.19 (33.5)

Forged steel 16.52 (36.4)

End thrust taken by bearing (no.)

Three

Number of main bearings

Five

Seal (material, one,
 two piece design, etc.)

Front

One piece

Rear

One piece

Engine - Lubrication System

Normal oil pressure [kPa (psi) at eng. rpm]

25 - 80 psi @ 3000

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

Type

nozzle

Opening pres.[kPa (psi)]

Pre-chamber design

Fuel inj.

Manufacturer

pump

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

Charge cooler

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**2.6 L(155.9 in.³)
 2 V, EEA**

**3.0 L(181.4 in.³)
 MPI, EFA**

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)	N.A.	Std.
Valves	4/4	6/6
Number intake/exhaust	46/38	42.9 - 43.1/34.9 - 35.1
Head O.D. intake/exhaust		

Engine - Connecting Rods

Material & Mass [kg., (weight lbs.)]	Forged steel 0.830 (1.8)	Forged steel 0.96 (2.1)
--------------------------------------	--------------------------	-------------------------

Engine - Crankshaft

Material & Mass [kg., (weight lbs.)]	Nodular iron 15.19 (33.5)	Forged steel 16.52 (36.4)
End thrust taken by bearing (no.)	Three	Four
Number of main bearings	Five	Four
Seal (material, one, two piece design, etc.)	Front	One piece
	Rear	One piece

Engine - Lubrication System

Normal oil pressure [kPa (psi) at eng. rpm]	45 - 100 psi @ 3000
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	Type
nozzle	Opening pres. [kPa (psi)]
Pre-chamber design	
Fuel inj.	Manufacturer
pump	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	
Charge cooler	

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Engine Description/Carb.
 Engine Code

2.2 L (135.0 in. ³) 2V EDE	2.5 L (153.0 in. ³) EFI EDM	2.6 L (156.0 in. ³) 2V EEA	3.0 L (181.4 in. ³) MPI EFA
--	---	--	---

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)		(a)	90 (194)
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.)]		external		internal	external
Cooling System	With heater - L(qt.)	8.1 (8.5)		9.0 (9.5)	9.5 (10)
	With air cond. - L(qt.)	--			
Capacity	Opt. equip. [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)		--			
Radiator Core	Std., A/C, HD	Standard			
	Type (cross-flow, etc.)	Vertical flow			
	Construction (fin&tube, mechanical, braze, etc.)	Tube & fin, spacer, soldered, single row			
	Material, mass[kg(wt., lbs.)] (b)	(c) 3.60 (8.0)	(c) 3.76 (8.3)	(c) 3.60 (8.0)	(c) 3.76 (8.1)
	Width	409 (16.1)			
	Height	425 (16.7)			
	Thickness	18 (0.7)			
	Fins per inch	18			23
Radiator end tank material		Nylon 66			
Fan	Std., elec., opt.	Electric			
	Number of blades & type (flex, solid, material)	4-blade plastic			4-blade plastic or 6-blade plastic
	Diameter & projected width	320 (12.6) / 30.5 (1.2)			(d)
	Ratio (fan to crankshaft rev.)	--			
	Fan cutout type	Electric motor			
	Drive type (direct, remote)	--			
	RPM at idle (elec.)	1200			1870
	Motor rating (wattage) (elec.)	70			90
	Motor switch (type & loc.)(elec.)	(e)	Bimetal, radiator		(e)
	Switch point (temp., press.) (elec.)	(f)	93 °C (200 °F)		(f)
	Fan shroud (material)	Metal			(g)

(a) 88 °C (190 °F) Federal, 82 °C (180 °F) California

(b) Mass (weight) shown is for purchased assembly.

(c) Copper-brass

(d) 320(12.6) / 30.5(1.2) or 356 (1.4) / 30.5 (1.2)

(e) Thermistor, water box

(f) 99 °C (210 °F) (low speed), 110 °C (230 °F) (high speed)

(g) Metal or plastic

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Engine Description/Carb.
 Engine Code

**2.2L (135.0 in³), 2V
 EDE**

**2.6L (155.9 in³), 2V
 EEA**

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	Mikuni
	Choke (type)	electric	Water temp.
	Idle spd. rpm (spec. neutral or drive and propane if used)	Manual	
		Automatic	
Idle A/F mix		--	
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)			
Air cleaner type	Standard	Oil wetted paper element	Dry, non-woven cloth (a)
	optional	--	--
Fuel pump	Type (elec. or mech.)	Mechanical	
	Location (eng., tank)	Front side of transverse engine	
	Pressure range (kPa (psi))	30 to 40 (4.5 to 6.0)	

Fuel Tank

Capacity [refill L (gallons)]		57 (15.0)
Location (describe)		forward of axle
Attachment		Galv. or terne plated strap to floor pan
Material & mass [kg (weight lbs.)]		terne plated steel 12.79 (28.2)
Filler pipe	Location & material	left side - lead dipped steel
	Connection to tank	Tube and Grommet - Rubber
Fuel line (material)		duplex-coated steel
Fuel hose (material)		fuel resistant rubber
Return line (material)		duplex-coated steel
Vapor line (material)		terne plated steel
Extended range tank	Opt., n. a.	opt.
	Capacity [L (gallons)]	75 (20.0)
	Location & material	forward of axle, terne plated steel
	Attachment	Galv. or terne plated strap to floor pan
Auxiliary tank	Opt., n. a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
	Selector switch or valve	
Separate fill		

(a) California-- Carbon element

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Engine Description/Carb.
 Engine Code

2.5L (153.0in³)
EFI, EDM

3.0L (181.4 in³)
MPI, EFA

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.		Bosch or Holly	Bosch
	Choke (type)		n.a.	
	Idle spd. rpm (spec. neutral or drive and propane if used)	Manual		
		Automatic		
Idle A/F mix		--		
Fuel Injection	Point of injection (no.)	Throttle body (1)	Intake ports (6)	
	Constant pulse flow	pulse		
	Control (electronic, mech.)	electronic		
	System pressure [kPa (psi)]	100 (14.5)	379.6 (55.1)	
Intake manifold heat control (exhaust or water thermostatic or fixed)		water	none	
Air cleaner type	Standard	Oil-wetted paper element		
	optional	--		
Fuel pump	Type (elec. or mech.)	electric		
	Location (eng., tank)	in fuel tank		
	Pressure range [kPa (psi)]	116-262 @ 12V & 15PSI (a)	159-290 @ 12V & 36PSI (a)	

Fuel Tank

Capacity [refill L (gallons)]		57 (15.0)
Location (describe)		forward of axle
Attachment		Galv. or terne plated strap to floor pan
Material & mass [kg (weight lbs.)]		terne plated steel 13.65 (30.1) terne plated steel 14.40 (31.7)
Filler pipe	Location & material	left side - lead dipped steel
	Connection to tank	Tube and Grommet - Rubber
Fuel line (material)		duplex-coated steel
Fuel hose (material)		fuel resistant rubber
Return line (material)		duplex-coated steel
Vapor line (material)		terne plated steel
Extended range tank	Opt., n.a.	opt.
	Capacity [L (gallons)]	75 (20.0)
	Location & material	forward of axle, terne plated steel
	Attachment	Galv. or terne plated strap to floor pan
Auxiliary tank	Opt., n.a.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
	Selector switch or valve	
	Separate fill	

(a) Flow Range (lbs./hr.)@ nominal regulated pressure.

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2.2L(135.0in³)
2 bbl.
EDE

2.6L (155.9 in.³)
2 bbl.
EDE

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, eng. modifications)		air injection(a)	aspirator (a)(b)
	Air injection	Pump or pulse	pos. displacement valve pump	pulse
		Driven by	V-belt	exhaust pressure
		Air distribution (head, manifold, etc.)	single point	
		Point of entry	exhaust manifold (c)	
	Exhaust Gas Recirc- ulation	Type (controlled flow, open orifice, other)	controlled flow	
		Exhaust source	manifold	
		Point of exhaust inj. (spacer, carb., manif., etc.)	intake manifold	
	Catalytic Converter	Type	oxidation(d)	
		Number of	one(e)	
		Location(s)	below exhaust manifold(f)	
		Volume [L9in. ³]	105 oxidation (g)	
		Substrate type	monolithic	
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		closed induction system	
	Energy source (manifold, vacuum, carburetor, other)		manifold vacuum	manifold
	Discharges (to intake manif., other)		intake manifold	
	Air inlet (breather cap, other)		air cleaner	
Evapora- tive emis- sion control	Vapor vented to (crank- case, canister, other)	Fuel tank	canister	
		Carburetor	canister	
	Vapor storage position		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 through separate resonator) Material & mass [kg. (weight lbs.)]	one reverse flow stainless steel 6.21 (13.7)	
Resonator no. & type	none	
Exhaust pipe	Branch o. d., wall thickness	none
	Main o. d., wall thickness	50.8 x 1.4
	Material & mass [kg. (weight lbs.)]	stainless steel 5.35 (11.8)(h)
Intermediate pipe	o. d., & wall thickness	none
	Material & mass [kg. (weight lbs.)]	--
Tail pipe	o. d., & wall thickness	50.8 x 1.1
	Material & mass [kg. (weight lbs.)]	stainless steel 3.63 (8.0)

(a) exhaust gas recirculation, engine modification, catalytic converter

(b) California - Pulse air feeder

(c) California - between catalysts

(d) California - 3-Way + oxidation

(e) California - two

(f) California - below exhaust manifold and at exhaust manifold

(g) California - 43 (Oxid.) and 61 (Oxid.)

(h) Includes 1.26 kg. (2.79 lbs.) - Federal; 1.90 kg.

(4.18 lbs.) - California, substrate and stainless steel mesh.

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Engine Description/Carb.
 Engine Code

2.5L(153.0in³)
EFI
EDM

3.0L (181.4 in.³)
MPI
EFA

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, eng. modifications		exhaust gas recirculation, engine mod., catalytic converter	
	Air injection	Pump or pulse	none	
		Driven by	--	
		Air distribution (head, manifold, etc.)	--	
		Point of entry	--	
	Exhaust Gas Recirc- ulation	Type (controlled flow, open orifice, other)	controlled flow	
		Exhaust source	manifold collector	manifold
		Point of exhaust inj. (spacer, carb., manif., etc.)	intake manifold	
		Type	3 - Way	
	Catalytic Converter	Number of	one	
		Location(s)	under floor	
		Volume [L9in. ³]	1.23 (75) 3WC + 0.9 (55) 3WC	
		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)		air cleaner	
Evapora- tive emis- sion control	Vapor vented to (crank- case, canister, other)	Fuel tank	canister	
		Carburetor	--	
Electronic system	Vapor storage position		canister	
	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 through separate resonator) Material & mass [kg. (weight lbs.)]		one reverse flow	
Resonator no. & type		stainless steel 6.21 (13.7)	stainless steel 7.26 (16.0)
Exhaust pipe		one straight through	
Intermediate pipe	Branch o. d., wall thickness	none	50.8 x 1.4
	Main o. d., wall thickness	50.8 x 1.4	63.5 x 1.4
	Material & mass [kg. (weight lbs.)]	stainless steel 5.35 (11.8)*	stainless steel 5.58 (12.3)*
Tail pipe		none	
Tail pipe	o. d., & wall thickness	50.8 x 1.1	
	Material & mass [kg. (weight lbs.)]	stainless steel 3.63 (8.0)	stainless steel 3.76 (8.3)

* Includes 1.69 kg.(3.72 lbs.) substrate and stainless steel mesh support

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

Car Line **PLYMOUTH VOYAGER**
 Model Year **1987** Issued **6-20-86** Revised (●)

Engine Description/Carb.
 Engine Code

2.2L -(135.0 in ³) 2V-EDE	2.5L- (153.0 in ³) EFI-EDM
--	---

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	NA	NA
Manual 4-speed (std., opt., n.a.) (mfr.)	NA	NA
Manual 5-speed (std., opt., n.a.) (mfr.)	STD (CHRYSLER)	STD (CHRYSLER)
Manual overdrive (std., opt., n.a.) (mfr.)	NA	NA
Automatic (std., opt., n.a.) (mfr.)	OPT (CHRYSLER)	OPT (CHRYSLER)
Automatic overdrive (std., opt., n.a.) (mfr.)	NA	NA

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.)]	2.3L (4.81pt.)
	Type recommended	API SF/CC
	SAE viscosity number	SAE 5W-30
	Summer	SAE 5W-30
	Winter	SAE 5W-30
	Extreme cold	SAE 5W-30

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)		FICHTEL AND SACHS-DRY DISC CABLE
Assist (yes, no/percent)		NO
Type pressure plate springs		BELLEVILLE
Total spring load [N(lb.)]		4700 (1057)
No. of clutch driven discs		ONE
Clutch facing	Material	WOVEN ASBESTOS
	Manufacturer	TEXTAR
	Part Number	181862101002
	Rivets/Plate	16
	Rivet Size	9.5 (0.374)
	Outside & inside diameter	228x150 (8.98x5.91)
	Total eff. area [cm ² (in ²)]	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 FRICTION FIBER WASHERS

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Car Line PLYMOUTH VOYAGER

Model Year 1987 Issued 6-20-86 Revised (●) _____

Engine Description/Carb.
 Engine Code

2.6L - (155.9 in³)
2 bbl, EEA

3.0L - (181.4 in³)
MPI, EFA

Transmissions/Transaxle

Manual 3-speed (std., opt., n.a.) (mfr.)	NA	NA
Manual 4-speed (std., opt., n.a.) (mfr.)	NA	NA
Manual 5-speed (std., opt., n.a.) (mfr.)	NA	NA
Manual overdrive (std., opt., n.a.) (mfr.)	NA	NA
Automatic (std., opt., n.a.) (mfr.)	OPT (CHRYSLER)	OPT (CHRYSLER)
Automatic overdrive (std., opt., n.a.) (mfr.)	NA	NA

Manual Transmissions/Transaxle

Number of forward speeds		--
Transmission ratios	In first	--
	In second	--
	In third	--
	In fourth	--
	In fifth	--
	In overdrive	--
	In reverse	--
Synchronous meshing (specify gears)		--
Shift lever location		--
Lubricant	Capacity (L(pt.))	--
	Type recommended	--
	SAE viscosity number	Summer
		Winter
		Extreme cold

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)		--
Assist (yes, no/percent)		--
Type pressure plate springs		--
Total spring load [N(lb.)]		--
No. of clutch driven discs		--
Clutch facing	Material	--
	Manufacturer	--
	Part Number	--
	Rivets/Plate	--
	Rivet Size	--
	Outside & inside diameter	--
	Total eff. area [cm ² (in ²)]	--
	Thickness	--
	Engagement cushion method	--
Release Bearing	Type & method of lubrication	--
Torsional Damping	Method: springs, frictional material	--

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Car Line **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised (•) _____

Engine Description/Carb.

Engine Code

2.2L (135in³)
2-V, EDE

2.5L (153in³)
EFI, EDM

Automatic Transmission/Transaxle

Trade Name		Torqueflite	
Type and special features (describe)		Torque Converter with Automatically Operated Planetary Gear Transmission and parallel axis final drive	
Selector	Location	Column operated	
	Ltr./No. designation	PRND21	
Gear ratios	R	2.69	
	D	1.55	
	L ₁	1.00	
	L ₂	--	
	L ₃	2.10	
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)	
	Type recommended	Mopar ATF Plus (Auto. Trans. Fluid - Type 7176)(a)	
Oil cooler (std., opt., NA, internal, external, air, liquid)		Std., Air External	

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 (type)			Double row ball
Lubricant	Capacity [L (pt.)]		see transaxle
	Type recommended		see transaxle
	SAE viscosity number	Summer	see transaxle
		Winter	see transaxle
		Extreme cold	see transaxle

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

Axle ratio (or overall top gear ratio)		2.76	3.22
No. of teeth	Pinion	13	20
	Ring gear or gear	50	61
Ring gear o.d.		202.36 (7.97)	184.53 (7.26)
Transaxle	Transfer gear ratio	-	1.06
	Final drive ratio	3.85	3.05

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

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Car Line **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised (•) _____

Engine Description Carb.

Engine Code

2.6L (156in³)
2V, EEA

3.0L (181.4in³)
MPI, EFA

Automatic Transmission/Transaxle

Trade Name		Torqueflite
Type and special features (describe)		Torque Converter with Automatically Operated Planetary Gear Transmission and parallel axis final drive
Selector	Location	Column operated
	Ltr./No. designation	PRND21
Gear ratios	R	2.69
	D	1.55
	L ₁	1.00
	L ₂	--
	L ₃	2.10
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)
	Type recommended	Mopar ATF Plus (Auto. Trans. Fluid - Type 7176)(a)
Oil cooler (std., opt., NA, internal, external, air, liquid)		Std., Air External

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 (type)		Double row ball
Lubricant	Capacity [L (pt.)]	see transaxle
	Type recommended	see transaxle
	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)		3.22	3.02
No. of teeth	Pinion	20	21
	Ring gear or gear	61	60
Ring gear o.d.		184.53 (7.26)	187.40 (7.38)
Transaxle	Transfer gear ratio	1.06	1.06
	Final drive ratio	3.05	2.86

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

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Car Line **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised (●)

Engine Description/Carb.
 Engine Code

2.2 L (135.0 in³) 2V, EDE	2.5 L (153.0 in.³) EFI, EDM	2.6 L (155.9 in.³) 2V, EEA	3.0 L (181.4 in.³) MPI, EFA
---	---	--	---

Axle Shafts - Front Wheel Drive

Number used			Two			
Type (straight, solid bar, tubular, etc.)		Left	Solid bar			
		Right	Tubular			
Outer diam. x length* x wall thickness	Manual transmission	Left	(a)	(c)	n.a.	n.a.
		Right	(b)	(d)	n.a.	n.a.
	Automatic transmission	Left	(a)	(c)	(e)	(g)
		Right	(b)	(d)	(f)	(h)
	Optional transmission	Left	n.a.			
		Right	n.a.			
Slip Yoke	Type		n.a.			
	Number of teeth		n.a.			
	Spline o.d.		n.a.			
Universal joints	Make and mfg. no.	Inner	GKN: GI72 or Citroen			GKN: GI82
		Outer	GKN: 95LAC or Citroen			GKN: 98LAC
	Number used		Two			
	Type, size, plunge	Inner	Tripode, plunge			
		Outer	Rzeppa, fixed			
	Attach (u-bolt, clamp, etc.)		n.a.			
	Bearing	Type (plain, anti-friction)	n.a.			
		Lubrication (fitting, prepack)	Prepack			
Drive taken through (torque tube, arms or springs)			n.a.			
Torque taken through (torque tube, arms or springs)			n.a.			

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

- (a) GKN: 40.5 x 640 (1.59 x 25.20)
- (b) GKN: 22.9 x 347.1 (0.90 x 13.67)
- (c) Citroen: 22.9 x 348.5 (0.90 x 13.72)
- (d) Citroen: 40 x 637.9 (1.57 x 25.10)
- (e) GKN: 40.5 x 640 (1.59 x 25.20) or Citroen: 40.0 x 637.9 (1.57 x 25.10)
- (f) GKN: 22.9 x 347.1 (0.90 x 13.67) or Citroen: 22.9 x 348.5 (0.90 x 13.72)
- (g) GKN: 22.9 x 348.3 (0.90 x 13.71)
- (h) GKN: 40.5 x 637.4 (1.59 x 25.09)

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Car Line PLYMOUTH VOYAGER
 Model Year 1987 Issued 6-20-86 Revised (●) _____

Body Type And/Or Engine Displacement		52		
		SDA - Z1A	SDA - Z1C, Z1E	SDB - Z1B, Z1C, Z1D, Z1E
Suspension - General				
Car leveling	Std./opt./n.a.	NA		
	Type (air, hyd., etc.)	--		
	Manual/auto controlled	--		
Provision for brake dip control		Inclined control arm and strut		
Provision for accel. squat control		None		
Provisions for car jacking		Scissors type- Sill jack Jack supports located at each end of body sills		
Shock absorber (front & rear)	Type	Direct- Hydraulic		
	Make	Front: Sachs Rear: Delco, Maremont		
	Piston diameter	Front: 30 (1.18) 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		Lower control arm	
Travel	Full jounce	84.0(3.31)	
	Full rebound	82.0 (3.23)	
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.)	216 x 152 I.D. (8.50 x 6.0 I.D.)	
	Spring rate [N/mm (lb./in.)]	16.6(95)	21.0(120)
	Rate at wheel [N/mm (lb./in.)]	21.0(120)	26.6(152)
Stabilizer	Type (link, linkless, frameless)	Linkless	
	Material & bar diameter	AISI 1090 spring steel 25.4(1.00)	AISI 1090 Spring steel 27.0(1.06)

Suspension - Rear

Type and description			Parallel leaf spring with rigid beam axle		
Drive and torque taken through			Springs		
Travel	Full jounce		143.4(5.65)	143.4(5.65)	143.4(5.65)
	Full rebound		86.5(3.41)	86.5(3.41)	86.5(3.41)
Spring	Type (coil, leaf, other) & mat'l		Leaf: steel AISI 5160H		
	Size (length x width, coil design height & i.d., bar length x dia.)		1320.8 x 63.5w (52.0 x 2.50)		
	Spring rate [N/mm (lb./in.)]		17.0(97)	20.3(116)	19.3/36.3 (110/207)
	Rate at wheel [N/mm (lb./in.)]		21.2(121)	25.6(116)	24.2/41.7 (138/238)
	Insulators (type & material)		Spring bushings- rubber		
	If leaf	No. of leaves	4	5	
		Shackle (comp. or tens.)	compression		
Stabilizer	Type (link, linkless, frameless)		--		
	Material & bar diameter		--		
Track bar (type)			--		

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Body Type And/Or
 Engine Displacement

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SDA Z1A- Z1C, Z1E

SDB Z1C, Z1E

Suspension - General

Car leveling	Std./opt./n.a.	NA	
	Type (air, hyd., etc.)	--	
	Manual/auto controlled	--	
Provision for brake dip control		Inclined control arm and strut	
Provision for accel. squat control		None	
Provisions for car jacking		Scissors type- Sill jack Jack supports located at each end of body sills	
Shock absorber (front & rear)	Type	Direct- Hydraulic	
	Make	Front: Sachs Rear: Delco, Maremont	
	Piston diameter	Front: 30 (1.18) 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	84.0(3.31)	
	Full rebound	82.0 (3.23)	
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.)	216 x 152 I.D. (8.50 x 6.0 I.D.)	
	Spring rate [N/mm (lb./in.)]	16.6(95)	21.0(120)
	Rate at wheel [N/mm (lb./in.)]	21.0(120)	26.6(152)
Stabilizer	Type (link, linkless, frameless)	Linkless	
	Material & bar diameter	AISI1090 spring 27.0 (1.06)	

Suspension - Rear

Type and description		Parallel leaf spring with rigid beam axle	
Drive and torque taken through		Braking loads only	
Travel	Full jounce	146.1(5.75)	158.8(6.25)
	Full rebound	80.0(3.15)	67.3(2.65)
Spring	Type (coil, leaf, other) & mat'l.	Leaf: steel AISI 5160H	
	Size (length x width, coil design height & i.d., bar length x dia.)	1429.5 x 63.5w (56.28 x 2.50w)	
	Spring rate [N/mm (lb./in.)]	20.3(116)	19.3/36.3(110/207)
	Rate at wheel [N/mm (lb./in.)]	25.6(146)	24.2/41.7(138/238)
	Insulators (type & material)	Spring bushings- rubber	
	If leaf	5	
Stabilizer	No. of leaves	compression	
	Shackle (comp. or tens.)	--	
Track bar (type)	Type (link, linkless, frameless)	--	
	Material & bar diameter	--	

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Body Type And/Or
 Engine Displacement

52

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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 height sensing proportioning	
Power brake (std., opt., n.a.)		std.	
Booster type (remote, integral, vac., hyd., etc.)		vacuum	
Vacuum source (inline, pump, etc.)		intake manifold	
Vacuum reservoir (volume in. ³)		--	
Vacuum pump-type (elec, gear driven, belt driven, if other so state)		n.a.	
Anti-skid device type (std., opt., n.a.) (F/R)		n.a.	
Effective area [cm ² (in. ²)]* (F/R)		641.3 (99.40)	
Gross lining area [cm ² (in. ²)]** (F/R)		678.7 (105.20)	
Swept area [cm ² (in. ²)]*** (F/R)		2163.1 (335.28)	
Rotor	Outer working diameter	F/R	F: 256.0 (10.08)
	Inner working diameter	F/R	F: 160.0 (6.30)
	Thickness	F/R	F: 22.0 (0.866)
	Material & type (vented/solid)	F/R	Front: damped cast iron, vented
Drum	Diameter & width	F/R	R: 227.2 x 72.95 (8.95 x 2.87)
	Type and material	F/R	R: cast composite
Wheel cylinder bore		F: 60 (2.36); R: 19 (0.75)	
Master cylinder	Bore/stroke	F/R	
Pedal arc ratio			
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			
Lining clearance		F/R	No major adjustments
Brake Lining	Front wheel (a)	Bonded or riveted (rivets/seq.)	Riveted, 8/shoe
		Rivet size	3.57 (0.14) x 7.57 (0.3)
		Manufacturer	Bendix
		Lining code *****	BX-JD-EE
		Material	Molded metallic
		**** Primary or out-board	4747 x 12.97 (7.36 x 0.511)
		Size Secondary or in-board	5735 x 11.97 (8.89 x 0.471)
		Shoe thickness (no lining)	6.2 (0.244)
	Rear wheel	Bonded or riveted (rivets/seq.)	Rivet, 8/shoe (pri.), 10 / shoe (sec.)
		Manufacturer	Bendix
		Lining code *****	
		Material	Rolled asbestos
		**** Primary or out-board	152.1 x 63.5 x 5.45 (5.99 x 2.5 x 0.215)
		Size Secondary or in-board	217.2 x 63.5 x 6.85 (8.55 x 2.5 x 0.270)
		Shoe thickness (no lining)	2.03 (0.078)

* 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

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Body Type And/Or
 Displacement

ALL

Tires and Wheels (Standard)

Tires	Size (load range, ply)		P195/75 R14, SL
	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)		819
Wheels	Type & material		disc steel
	Rim (size & flange type)		14 x 5.5 JJ
	Wheel offset		40 (1.6)
	Attachment	Type (bolt or stud)	stud
		Circle diameter	100 (3.94)
		Number & size	5 - M12 x 1.5 mm
Spare	Tire and wheel (same, if other describe)		T125/70 D15 compact spare on 15 x 4.0 T steel disc wheel
	Storage position & location (describe)		horizontal--below rear floor pan

Tires and Wheels (Optional)

Size (load range, ply)		P205/70 R14
Type (bias, radial, etc.)		steel radial
Wheel (type & material)		cast aluminum
Rim (size, flange type and offset)		14 x 5.5 JJ 40 mm (1.6 in.) offset
Size (load range, ply)		LT195/75 R14-C
Type (bias, radial, etc.)		steel radial
Wheel (type & material)		std.
Rim (size, flange type and offset)		std.
Size (load range, ply)		P195/75 R15
Type (bias, radial, etc.)		steel radial
Wheel (type & material)		disc steel
Rim (size, flange type and offset)		15 x 6.0 JJ--40 mm (1.6 in.) offset 114mm (4.5 in.) B.C.
Size (load range, ply)		LT195/75 R15-C
Type (bias, radial, etc.)		steel radial
Wheel (type & material)		disc steel
Rim (size, flange type and offset)		15 x 6.0 JJ--40 mm (1.6 in.) offset 114mm (4.5 in.) B.C.
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)		Same as Road Tire Wheel--disc steel, same size as road wheel. Stored horizontally under rear floor pan

Brakes - Parking

Type of control		foot operated pedal/hand release
Location of control		lower left end of instrument panel
Operates on		rear wheels
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

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Car Line **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised (•) _____

Body Type And/Or
 Engine Displacement

All w/ 112.1 in. W.B.

All w/ 119.1 in. W.B.

Steering Manual (std., opt., n.a.)

Manual (std., opt., n.a.)				STD	
Power (std., opt., n.a.)				OPT	
Adjustable steering wheel (tilt, swing, other)		Type and description		Tilt	
		(Std., opt., n.a.)		OPT	
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.)		12.5 (41)	13.1 (43)
	Inside rear	Wall to wall (l. & r.)		--	
		Curb to curb (l. & r.)		--	
Scrub Radius*				--	
Manual	Gear	Type		Rack and pinion	
		Make		Saginaw	
		Ratios	Gear	--	
			Overall	23.7: 1	
	No. wheel turns (stop to stop)		3.88		
Power	Type (coaxial, linkage, etc.)		Integral power unit		
	Make		TRW		
	Gear	Type		Rack and pinion	
		Ratios	Gear	--	
			Overall	18.0: 1	
	Pump (drive)		Pulley and belt off crankshaft		
	No. wheel turns (stop to stop)		2.96		
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.)		12.7° @ + 0.3°		
	Bearings (type)	Upper	ball bearing		
		Lower	ball joint		
		Thrust	ball bearing		
Steering spindle & joint type				Iso-strut with lower ball joint	
Wheel spindle	Diameter	Inner bearing		76/48 (3.0/1.65) dia. : 37/40 (1.46/1.57) wide	
		Outer bearing		--	
	Thread (size)		M 22 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 **PLYMOUTH VOYAGER**

Model Year **1987**

Issued **6-20-86**

Revised (•)

Body Type And/Or
 Engine Displacement

All

Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	-
		Camber (deg.)	-0.2° to +0.8°
		Toe-in (deg.)	0.4° Toe-in to 0.2° 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.)]	0.6° Toe-out to 0.6° Toe-in (a)
	Service reset*	Camber	Not adjustable
		Toe-in	Not adjustable
	Periodic M.V. inspection	Camber	-
		Toe-in	-

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

Electrical - Instruments and Equipment

Mechanical Cluster

Speedometer	Type	Magnetic torque drive
	Trip odometer (std., opt., n.a.)	Opt.
EGR maintenance indicator		-
Charge indicator	Type	Voltmeter
	Warning device	Light- Opt.
Temp. Indicator	Type	Magnetic gage
	Warning device	Light- Opt.
Oil pressure indicator	Type	Magnetic gage
	Warning device	Light- Std.
Fuel indicator	Type	Magnetic gage
	Warning device	Light- Opt.
Wind shield wiper	Type (standard)	Electric 2-speed, Non-depressed park
	Type (optional)	Electric 2 Speed intermittent wipe
	Blade length	457 (18)
	Swept area [cm ² (in. ²)]	6064.5 (940)
Windshield washer	Type (standard)	Electric (arm mounted)
	Type (optional)	-
	Fluid level indicator	-
Horn	Type mm (in.)	89 mm (3.5 in.) seashell
	Number used	1 or 2 (low note - Std)
Other		

(a) Measurements are measured in degrees, not mm (in.)

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Engine Description/Carb.
 Engine Code

2.2 L (135.0 in. ³) 2 bbl, EDE	2.5 L (153.0 in. ³) EFI, EDM	2.6 L (156.0 in. ³) 2 bbl, EEA	3.0 L (181.4 in. ³) MPI, EFA
--	--	--	--

Electrical - Supply System

Battery	Make	Mopar			
	Model, std., (opt.)	Group 26 (34)	Group 34	Group 26 (34)	Group 34
	Voltage	12			
	Amps at 0°F cold crank	335 (500)	400 (500)	335 (500)	400 (500)
	Minutes-reserve capacity	62 (110)	100 (110)	62 (110)	100 (110)
	Amp/hr. - 20 hr. rate	42 (66)	60 (66)	42 (66)	60 (66)
Alternator	Left front corner of engine compartment				
	Manufacturer	Chrysler	Chrysler or Robert Bosch		
	Rating	78 A	90 A	75 A	90 A
	Ratio (alt. crank/rev.)	2.4 : 1		2.5 : 1	2.40 : 1
Regulator	Optional (type & rating)	90 A 9fleet)	n.a.	90 A 9fleet)	n.a.
	Type	electronic	(a)	integral	(a)

Electrical - Starting System

Start, motor	Current drain at 0°F	210 - 250 A	230 - 280 A
Motor drive	Engagement type	solenoid shift	
	Pinion engages from (front, rear)	front	

Electrical - Ignition System

Type	Electronic (std., opt., n.a.)	std.	n.a.	std.	n.a.
	Other (specify)	--	(a)	--	(a)
Coil	Make	UTC Prestolite Diamond		MMC	
	Model	5226865	5227372	5227252	5213789
	Current	3.0		4439644	
	Engine idling - A	1.9			
Spark plug	Make	Champion		Champion (d)	
	Model	RB 12 YC		RN 11 YC	RN 11 YC4
	Thread (mm)	14			
	Tightening torque [N-m (lb-ft)]	20 (20)			
	Gap	0.9 (0.035)		0.9-1 (0.35-0.40)	1-1.1 (.040-.043)
	Number per cylinder	1			
Distributor	Make	Chrysler		MMC	
	Model	5226575		MD098230 (b)	MD103090 (c)

Electrical - Suppression

Locations & type	
------------------	--

- (a) Engine control computer with electronic spark advance and electronic voltage regulator
 (b) High altitude--MD066251
 (c) Chrysler number 4339090
 (d) Others available

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

Car Line **PLYMOUTH VOYAGER**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Body Type

All

Body

Structure

Bumper system
front - rear

Front - Extruded Aluminum Beam - 11.1 lbs.
TPO Nerf Strip - 1.0 lb. TPO End Cap - .4 lb.

Rear - Extruded Aluminum Beam - 11.5 lbs.
TPO Nerf Strip - .9 lb. TPO Nerf Cap - .6 lb.

Anti - corrosion treatment

Extensive use of galvanized steel

Body - Miscellaneous Information

Type of finish (lacquer, enamel, other)

Buffable acrylic enamel

Hood
Hinge location (front, rear)
Type (counterbalance, prop)
Release control (internal, external)

Rear

Prop

Internal (cable)

Trunk-lid
Type (counterbalance, other)
Internal release control (elec., mech., n.a.)

--

--

Hatch-back lid
Type (counterbalance, other)
Internal release control (elec., mech., n.a.)

Gas props

Electric

Station
Wagon

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 - Flex - O- Lator Mat

Rear

Formed Wire

3rd seat

Formed Wire

Seat back type
(e.g., 60/40, bucket, bench, wire, foam, etc.)

Front

Bucket - Flex - O- Lator Mat

Rear

Formed Wire

3rd seat

Formed Wire

MVMA Specifications Form
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Car Line **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised (•) _____

Body Type

52	53
----	----

Restraint System

Active restraint system	Standard/optional	Standard
	Type and description	Front: Lap and shoulder-belt Rear: Lap belt
	Location	FRONT: Two/ with OPT. 60/40 seat: three 7 Pass. Veh. First Rear: Two Second Rear: Three 5 Pass. Veh.: Rear: Three
Passive seat belts	Standard/optional	-
	Motorized/Non-motorized	-
	2 or 3 Point	-
	Knee blocker 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	11827.3 (1833.23)
Side glass exposed surface area [cm ² (in ²)]	S2	9196 (1425)
Backlight glass exposed surface area [cm ² (in ²)]	S3	10819.29 (1676.99)
Total glass exposed surface area [cm ² (in ²)]	S4	31842.6 (4935.2)
Windshield glass (type)		Laminated safety glass
Side glass (type)		Heat treated safety glass
Backlight glass (type)		Heat treated safety glass

(a) Available after 1/5/87

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Car Line **PLYMOUTH VOYAGER**

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Body Type

Low-line	High-line	Premium-line
----------	-----------	--------------

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

Air conditioning (manual, auto, temp. control)		Manual - Opt.	
Clock (digital, analog)		Digital - Std. with radio	
Compass/thermometer		N.A.	Opt.
Console (floor, overhead)		N.A.	floor-Opt O/H N.A. floor-Std O/H-Opt
Defroster, elec. backlight		Opt.	
Electronic	Diagnostic warning (integrated, individual)	N.A.	
	Instrument cluster (list instruments)	N.A.	
	Keyless entry	N.A.	
	Trip minder (avg. spd. fuel)	N.A.	
	Voice alert (list items)	N.A.	
	Other		
Fuel door lock (remote, key, electric)		Opt.	Remote door release - Std.
Lamps	Auto head on/off delay, dimming	N.A.	
	Cornering	N.A.	
	Courtesy (map reading)	Opt.	
	Door lock, ignition	Ignition - Opt.	
	Engine compartment	Opt.	
	Fog	N.A.	
	Glove compartment	Seat storage drawer - Opt.	
	Trunk	Rear cargo dome - Std.	
	Other	Front Dome - Std. Liftgate dual flood - Opt.	
Mirrors	Day/night (auto. man.)	Manual - Std.	
	L.H. (remote, power, heated)	Remote - Std.	Power - Std.
	R.H. (convex, remote, power, heated)	Remote - Opt.	Remote - (a) Power - Std.
	Visor vanity (RH/LH, illuminated)	N.A.	Opt.
Parking brake - auto release (warning light)		Light - Std.	
Power equipment	Door locks/ deck lid - specify	Door locks and Liftgate - Opt.	
	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.	Power seat - Opt. (driver only)
	Side windows	N.A.	Front doors only - Opt.
	Vent windows	N.A.	
	Rear windows	N.A.	
Radio Systems	Antenna (location, whip, w/shield, power)	Whip - Std. Right front fender	
	AM, FM, stereo, tape, CB	AM Std. AM/FM stereo Opt. (b)	(c)
	Speaker (number, location) Premium sound	AM(1, I.P., top) AM/FM stereo(2-I.P., top-2-tailgate)	
Roof open air/fixed (flip-up, sliding, "T")		N.A.	
Speed control device		Opt.	
Speed warning device (light, buzzer, etc.)		N.A.	
Tachometer (rpm)		N.A.	
Telephone system - mobile		N.A.	
Theft protection-type		Inside Hood Release-Std. Locking Steering Column-Std. Anti-theft Labels-Std.	

(a) Standard Model - Opt. Extended Model - Std.

(c) AM/FM Stereo - Std. Ultimate sound radio - Opt.

(b) AM/FM Stereo with Cassette - Opt. Highline-Ultimate sound Opt.

MVMA Specifications Form

Passenger car
METRIC (U.S. Customary)

Cae and Body Dimensions

Car Line **PLYMOUTH VOYAGER**

Model Year **1987**

Issued **6-20-86**

Revised(*)

See Key Sheets for Definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line

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

Body Type	SAE Ref. No.	SHK 53 7 PASS.	SHK 52 7 PASS.	SHK 52 5 PASS.
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Width

Tread (front)	W101	1522 (59.9)		
Tread (rear)	W102	1578 (62.1)		
Vehicle width	W103	1833 (72.2)		
Body width at SqRP (front)	W117	1764 (69.4)		
Vehicle width (front doors open)	W120	3614 (142.3)		
Vehicle width (rear doors open)	W121	--		
Front fender overall width	W106	1782 (70.2)		
Rear fender overall width	W107	1833 (72.2)		
Tumble-home (deg.)	W122	15 (60)		

Length

Wheelbase	L101	3024 (119.1)		
Vehicle length	L103	4838 (190.5)		
Overhang (front)	L104	840 (33.1)		
Overhang (rear)	L105	974 (38.3)		
Upper structure length	L123	--		
Rear wheel C/L "X" coordinate	L127	3113 (122.6)		
Cowl point "X" coordinate	L125	286 (11.3)		
Front end length at centerline	L126	1037 (40.8)		
Rear end length at centerline	L129	--		

Height*

Passenger distribution (front/rear)	PD 1,2,3	2 + 2 + 1	2 + 2 + 1	2 + 3
Trunk/cargo load		--		
Vehicle height	H101	1644 (64.7)	1637 (64.4)	
Cowl point to ground	H114	1139 (44.8)	1140 (44.9)	1138 (44.8)
Deck point to ground	H138	--		
Rocker panel front to ground	H112	276 (10.9)	277 (10.9)	274 (10.8)
Bottom of door closed front to ground	H133	319 (12.6)	320 (12.6)	317 (12.5)
Rocker panel rear to ground	H111	282 (11.1)	281 (11.1)	275 (10.8)
Bottom of door closed rear to ground	H135	322 (12.7)		318 (12.5)
Windshield slope angle	H122		55 (2.2)	
Backlight slope angle	H121		23 (0.9)	

Ground Clearance

Front bumper to ground	H102	344 (13.5)	345 (13.6)	
Rear bumper to ground	H104	329 (13.0)	327 (12.9)	319 (12.6)
Bumper to ground (front at curb mass (wt.))	H103		374 (14.7)	
Bumper to ground (rear at curb mass (wt.))	H105	378 (14.9)	377 (14.8)	
Angle of approach (degrees)	H106		24°	
Angle of departure (degrees)	H107	20°	24°	
Ramp breakover angle (degrees)	H147	13°	14°	13.4°
Axle differential to ground (front/rear)	H153		N.A.	
Min. running ground clearance	H156	87 (3.4)	76 (3.0)	69.4 (2.7)
Location of min. run. ground clearance			RR Axle (Shock)	

* 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
Passenger car
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Cae and Body Dimensions

Car Line **PLYMOUTH VOYAGER**

Model Year **1987**

Issued **6-20-86**

Revised(*)

See Key Sheets for Definitions

Body Type

SAE Ref. No.	52		53	
	5-Pass.	7-Pass.	5-Pass.	7-Pass.

Front Compartment

SqRP front, "X" coordinate	L31	1334 (52.5)
Effective head room	H61	990 (39.0)
Max. eff. leg room (accelerator)	L34	971 (38.2)
SqRP to heel point	H30	350 (13.8)
SqRP to heel point	L53	699 (27.5)
Back angle	L40	22°
Hip angle	L42	91°
Knee angle	L44	103°
Foot angle	L46	87°
Design H - point front travel	L17	183 (7.2)
Normal driving & riding seat track trvl.	L23	142 (5.6)
Shoulder room	W3	1484 (58.4)
Hip room	W5	1344 (52.9)
Upper body opening to ground	H50	1320 (52.0) to "O"
Steering wheel maximum diameter*	W9	381 (15.0)
Steering wheel angle	H18	34.5°
Accel. heel pt. to steering wheel center	L11	342 (13.5)
Accel. heel pt. to steering wheel center	H17	704 (27.7)
Steering wheel to C/L of thigh	H13	79 (3.1)
Steering wheel torso clearance	L7	308 (12.1)
Headlining to roof panel	H37	19 (0.7)
Undepressed floor covering thickness	H67	25 (1.0)

Rear Compartment

SqRP Point couple distance	LS0	971 (38.2)	815 (32.1)	1087 (42.8)	902 (35.5)
Effective head room	H63	970 (38.2)	978 (38.5)	969 (38.1)	974 (38.3)
Min. effective leg room	LS1	959 (37.8)	955 (37.6)	959 (37.8)	960 (37.8)
SqRP (second to heel)	H31	340 (13.4)		338 (13.3)	341 (13.4)
Knee clearance	L48	46 (1.8)	169 (6.7)	111 (4.4)	273 (10.7)
Compartment room	L3	693 (27.3)	847 (33.3)	935 (36.8)	751 (29.6)
Shoulder room	W4		1557 (61.3)		
Hip room	W6	1620 (63.8)	1666 (65.6)	1620 (63.8)	1666 (65.6)
Upper body opening to ground	H51		1295 (51.9) to "O"		
Back angle	L41		22°		
Hip angle	L43		92°		
Knee angle	L45	101°	100°		101°
Foot angle	L47	130°	129°		130°
Headlining to roof panel (second)	H38		19 (0.7)		22 (0.9)
Depressed floor covering thickness	H73		25 (1.0)		

Luggage Compartment

Usable luggage capacity [L (cu. ft.)]	V1	N.A.
Liftover height	H195	N.A.

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		N.A.
Interior volume index (cu. ft.)		N.A.
Trunk/cargo index (cu. ft.)		N.A.

* See Page 14

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

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

Car Line **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised(*)

See Key Sheets for Definitions

Body Type

SAE Ref. No.	52		53	
	5 - PASS.	7 - PASS.	5 - PASS.	7 - PASS.

Station Wagon - Third Seat

SgRP couple distance	L85	792 (31.2)	742 (29.2)
Shoulder room	W85	1536 (60.4)	
Hip room	W86	1226 (48.2)	
Effective leg room	L86	888 (34.9)	943 (31.7)
Effective head room	H86	956 (37.6)	953 (37.5)
SgRP to heel point	H87	313 (12.3)	314 (12.3)
Knee clearance	L87	15 (5.9)	110 (43.5)
Seat facing direction	SD1	FORWARD	
Back angle	L88	22°	
Hip angle	L89	85°	88°
Knee angle	L90	98°	
Foot angle	L91	128°	130°

Station Wagon - Cargo Space

Cargo length (open front)	L200	N.A.	
Cargo length (open second)	L201	N.A.	
Cargo length (closed front)	L202	2080 (41.5)	2560 (100.8)
Cargo length (closed second)	L203	1055 (41.5) 1222 (48.1)	1331 (52.4) 1512 (59.5)
Cargo length at belt (front)	L204	1823.5 (71.8)	2195.5 (86.4)
Cargo length at belt (second)	L205	884 (34.8) 1041 (45)	1142 (45) 1331 (52.4)
Cargo width (wheelhouse)	W201	1196 (47.1)	1224 (48.9)
Rear opening width at floor	W203	1366 (53.8)	
Opening width at belt	W204	N.A.	
Max. rear opening width above belt	W205	1434 (56.5)	
Cargo height	H201	1151 (45.3)	1150 (45.3)
Rear opening height	H202	981 (38.6)	
Tailgate to ground height	H250	N.A.	
Front seat back to load floor height	H197	760 (30)	
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	
Cargo length at floor (second)	L209	
Cargo length at second seatback height	L210	
Cargo length at floor (second)	L211	
Front seatback to load floor height	H197	
Second seatback to load floor height	H198	
Cargo volume index [m ³ (ft. ³)]	V3	
Hidden cargo volume [m ³ (ft. ³)]	V4	
Cargo volume index-rear of 2-seat	V10	

Aerodynamics*

Wheel lip to ground, front	
Wheel lip to ground, rear	
Frontal area [m ² (ft. ²)] (c)	
Drag coefficient (Cd)	

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

*EPA Loaded Vehicle Weight, Loading Conditions

(a) P205/75 R 15 Tires, Two Mirrors and Antenna

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

Car Line **PLYMOUTH VOYAGER**

Model Year **1987**

Issued **6-20-86**

Revised(•)

Body Type

All 112.1 in. Wheelbase

All 119.1 in. Wheelbase

Vehicle Fiducial Marks

Fiducial Mark Number*		Define Coordinate Location	
Front		The center of 25.4mm(1.0in.) gauge holes located in front longitudinal approximately 423 mm (20.13 in.) from centerline of front wheels.	The center of 25.4mm(1.0in) gauge holes located in front longitudinal approximately 423 mm (20.13 in.) from centerline of front wheels.
Rear		The center of 25.4mm(1.0in) gauge holes located in rear longitudinal approximately 3441.79 mm (135.50 in) from the centerline of front wheels.	The center of 25.4mm(1.0in) gauge holes located in rear longitudinal approximately 3812.79 mm (150.11 in) from the centerline of front wheels.
Front	W21	542.5 (21.36)	
	L54	-423.0 (16.65)	
	H81	162.0 (6.38)	
	H161		
	H163		
Rear	W22	472 (18.58)	
	L55	3530 (138.98)	3901 (153.58)
	H82	192 (7.56)	209.5 (8.25)
	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 **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised(*)

Body Type

Van GVW 4040	Van GVW 5040	Wagon
--------------	--------------	-------

Lamps and Headlamps Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	729.3	748.0	745.9
		Lowest	--		
	Taillamp (SAE - H128)	Highest**	838.8	857.0	820.9
		Lowest	--		
	Sidemarkers	Front	668.8	687.5	673.4
		Rear	838.8	857.0	820.9
Distance from centerline of vehicle to center of bulb or marker	Headlamp	Inside	--		
		Outside**	619.5		
	Taillamp	Inside	--		
		Outside**	832.5		
	Directional	Front	567 and 715 (a)		
		Rear	832.5		

Halogen headlamp (std., opt., n.a.)	Lo beam	standard
	Hi beam	standard
	Replaceable bulb	N.A.
	Shape	Rectangular
Headlamp other than above	Lo beam	--
	Hi beam	--
	Replaceable bulb	--
	Shape	--
	Type	--

* Measured at curb mass (weight)

** If single lamps are used enter here.

(a) There are two front park and turn signal lamps.

MVMA Specifications Form
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Car Line **PLYMOUTH VOYAGER**

Model Year **1987** Issued **6-20-86** Revised(*)

Estimated

	Vehicle Mass (Weight)							
Model	CURB MASS, kg (weight, lb.)*			% PASS. MASS DISTRIBUTION				SHIPPING MASS, kg (weight, lb.)**
	Front	Rear	Total	Pass. in Front		Pass. in Rear		
				Front	Rear	Front	Rear	
2.2L (135.0 in. ³) EDE engine								
Voyager - standard	818 (1802)	557 (1228)	1375 (3030)	56.3	43.7	22.6	77.4	1342 (2958)
Voyager SE - extended	825 (1819)	582 (1282)	1407 (3101)	56.3	43.7	22.6	77.4	1361 (2999)
Voyager LE - standard	834 (1839)	593 (1307)	1427 (3146)	56.3	43.7	22.6	77.4	1381 (3044)
2.5L (153.0 in. ³) EDM engine								
Voyager SE - extended	850 (1875)	671 (1480)	1521 (3355)	56.3	43.7	28.3	71.7	1475 (3253)
Voyager LE - extended	859 (1893)	686 (1512)	1545 (3405)	56.3	43.7	28.3	71.7	1499 (3303)

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

** Shipping mass (weight) definition-

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

Car Line **PLYMOUTH VOYAGER**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Estimated

	Optional Equipment Differential Mass (Weight)*			
Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
2.6L (155.9 in. ³) engine EEA	29 (64)	-5 (-9)	24 (55)	Std. model only
3.0L (181.4 in. ³) engine EFA	44 (96)	2 (5)	46 (101)	Std. model
3.0L (181.4 in. ³) engine EFA	30.8 (68)	0.5 (1)	31.3 (69)	extended model
500 ampere battery	5.9 (13)	-0.4 (-1)	5.5 (12)	with 2.2L and 2.6L engines
7-passenger seating	-2.8 (-6)	45.8 (101)	43.0 (95)	Std. model Std. extended model
8-passenger seating	0 (0)	45.3 (100)	45.3 (100)	Std. model only, negligible ext. model
5-pass w/convert-a-bed	5.5 (12)	20.0 (44)	25.5 (56)	Std. model
5-pass. w/convert-a-bed	-0.4 (-1)	-54 (-119)	-54.4 (-120)	extended model
6-pass. w/convert-a-bed	6.8 (15)	21.3 (47)	28.1 (62)	Std. model only
Automatic transmission	13.1 (29)	-1.8 (-4)	26.8 (25)	2.2 and 2.5L engines: incl. w/ 2.6 & 3.0L engines
Air conditioning	28.6 (63)	-1.8 (-4)	26.8 (59)	2.2 and 2.5L engines
	26.3 (58)	-2.3 (-5)	24.0 (53)	2.6L engine
	30.4 (67)	-1.8 (-4)	28.6 (63)	3.0L engine
Rear seat heater	3.6 (8)	5.4 (12)	9.0 (20)	Std. model only
Sound insulation package	2.3 (5)	11.3 (25)	13.6 (30)	base model
	0.4 (1)	4.1 (9)	4.5 (10)	SE: Std. LE
Power driver's seat	5.4 (12)	4.5 (10)	9.9 (22)	
Luggage rack	2.7 (6)	6.3 (14)	9.0 (20)	
AM Stereo/FM Stereo/ Cassette	0.9 (2)	3.6 (8)	4.5 (10)	w/ base model and SE: negligible on LE
Heavy-duty suspension	-1.8 (-4)	5.0 (11)	3.2 (7)	Std. model with 5 and 6 passenger seating
	1.3 (3)	9.9 (22)	11.2 (25)	Std. model with 7 and 8 passenger seating
	1.8 (4)	1.4 (3)	3.2 (7)	extended model k with 5 passenger seating
	1.8 (4)	4.0 (9)	5.8 (13)	extended model with 7 and 8 passenger seating

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