

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line DODGE OMNI/CHARGER	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line **DODGE OMNI/CHARGER**
 Model Year **1987** Issued **6-20-86** Revised (•) **January 8, 1987**

Engine description/Carb.
 Engine Code

2.2L (135.0 in³)
2 Bbl, EDE •

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)	
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 (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: 67.14	
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***	138.5 (305.2)	

Engine - Pistons

Material & mass, g (weight, oz.) piston only	Aluminum 455 (15.7) •
--	-----------------------

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) : Pitch: 9.52 (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, air cleaner, carburetor, manifolds, water pump, fuel pump, engine-mounted emission controls, drive belts, oil filter, right engine mount, and throttle controls as required

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

Car Line **DODGE OMNI**

Model Year **1987**

Issued **6-20-86**

Revised(•)

Engine description/Carb.
 Engine Code

2.2L (135.0 in.³)
2 - V, EDE; Turbocharged EFI, EDG

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)
--------------------------------------	-------------------------

Engine - Crankshaft

Material & Mass (kg., (weight lbs.))		Nodular iron 15.19 (33.5)
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 nozzle	Type	
	Opening pres. (kPa (psi))	
Pre-chamber design		
Fuel inj. pump	Manufacturer	
	Type	
Fuel inj. pump drive (belt, chain, gear)		
Supplementary vacuum source (type)		
Fuel heater (yes/no)		
Water separator description (std., opt.)		
Turbo manufacturer		
Oil cooler type (oil to engine coolant; oil to ambient air)		
Oil filter		

Engine - Intake System

Turbo - charger - Manufacturer	Garrett
Super - charger - manufacturer	N.A.
Charge cooler	N.A.

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

Car Line **DODGE OMNI**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Body Type

24

44

Lamps and Headlamps Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	635.0 (25.0)	633.0 (24.9)
		Lowest	--	--
	Taillamp (SAE - H128)	Highest**	658.0 (25.9)	674.0 (26.5)
		Lowest	--	--
	Sidemarkers	Front	400.0 (15.7)	629.0 (24.8)
		Rear	661.0 (26.0)	756.0 (29.8)
Distance from centerline of car to center of bulb or marker	Headlamp	Inside	395.0 (15.6)	--
		Outside**	572.0 (22.5)	503.0 (19.8)
	Taillamp	Inside	--	--
		Outside**	638.0 (25.1)	585.0 (23.0)
	Directional	Front	576.0 (22.7)	700.0 (27.6)
		Rear	638.0 (25.1)	585.0 (23.0)

Halogen headlamp (std., opt., n.a.)	Lo beam	standard	combined - standard
	Hi beam	standard	combined - standard
	Replaceable bulb	N.A.	N.A.
	Shape	Rectangular	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.

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

Car Line **DODGE OMNI**
 Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Actual •

	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	
Omni								
Four door - hatchback	642	374	1016	49.6	50.4	20.0	80.0	989
	(1415)	(825)	(2240)					(2180)
Charger	644	401	1045	47.9	52.1	20.5	79.5	1018
Two door - hatchback	(1420)	(883)	(2303)					(2243)
Shelby Turbo Charger	692	438	1130	47.9	52.1	20.5	79.5	1103
Two door - hatchback	(1526)	(966)	(2492)					(2432)

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

** Shipping mass (weight) definition-

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

Car Line **DODGE OMNI**

Model Year **1987** Issued **6-20-86** Revised(•) **Jan. 8, 1987**

Actual ●

[illegible]

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

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer	CHRYSLER MOTORS			Car Line	DODGE DAYTONA	
Mailing Address	DETROIT, MICHIGAN 48288			Issued	JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line **DODGE DAYTONA**

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

Engine Description/Carb.
 Engine Code

2.5L (153.0 in³) EFI EDM	2.2L (135.0 in³) TURBO EFI EDG
--	--

Transmissions/Transaxle

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

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

Clutch (Manual Transmission)

Make, type, engagement (describe) - (hydraulic, cable, rod)		Luk, dry disc cable	Fichtel and Sachs, dry disc cable
Assist (yes, no/percent)		no	
Type pressure plate springs		belleville	
Total spring load [N(lb.)]		4700 (1057)	5800 (1304)
No. of clutch driven discs		one	
Clutch facing	Material	woven asbestos	
	Manufacturer	Textar	
	Part Number	181862101001	
	Rivets/Plate	16	
	Rivet Size	9.5 (.374)	
	Outside & inside diameter	228 x 150 (8.98 x 5.91)	
	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 fiber friction washers	

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

Car Line **DODGE DAYTONA**
 Model Year **1987** Issued **6-20-86** Revised (•) **Jan. 8, 1987**

Engine Description/Carb.
 Engine Code

2.2L (135.0 in³)
TURBO II EFI
EDR

Transmissions/Transaxle

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

Manual Transmissions/Transaxle

Number of forward speeds		5
Transmission ratios	In first	3.00
	In second	1.89
	In third	1.28
	In fourth	0.94
	In fifth	0.71
	In overdrive	--
	In reverse	3.14
Synchronous meshing (specify gears)		all forward gears
Shift lever location		floor
Lubricant	Capacity [L(pt.)]	2.3L (4.81 pt.)
	Type recommended	API SF/CC
	SAE viscosity number	SAE 5W-30
		SAE 5W-30
		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.)]		6200 (1394)
No. of clutch driven discs		one
Clutch facing	Material	woven asbestos
	Manufacturer	Textar
	Part Number	181862183001
	Rivets/Plate	16
	Rivet Size	9.5 (.374)
	Outside & inside diameter	228 x 150 (8.98 x 5.91)
	Total eff. area [cm ² (in ²)]	438.0 (67.9)
	Thickness	3.2 (.126)
Engagement cushion method		wave spring segments
Release Bearing	Type & method of lubrication	angular contact ball bearing, permanently lubed with grease
Torsional Damping	Method: springs, frictional material	coil springs and fiber friction washers

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

Car Line **DODGE DAYTONA**

Model Year **1987** Issued **6-20-86** Revised (●) **January 8, 1987**

Body Type And/Or
Displacement

Daytona	Daytona Pacifica	Daytona Shelby Z
---------	------------------	------------------

Tires and Wheels (Standard)

Tires and Wheels (Standard)					
Tires	Size (load range)		P185/70 R 14, SL	P205/60 HR 15, SL	P225/50 VR15, SL
	Type (bias, radial, etc.)		Steel Radial		
	Inflation pressure (cold) for recommended max. vehicle load	Front [kPa (psi)]	220 (32)		
		Rear [kPa (psi)]	220 (32)		
	Rev./mile - at 70 km/h (45 mph)		862	847	874
Wheels	Type & material		Disc Steel	Cast Aluminum	Cast Aluminum
	Rim (size & flange type)		14 x 5.5 JJ	15 x 6.0 JJ	15 x 6.5 JJ
	Wheel offset		40 (1.6)		
	Attachment	Type (bolt or stud)	Stud		
		Circle diameter	100 (3.94)		
		Number & size	5-M 12 x 1.5mm		
Spare	Tire and wheel (same, if other describe)		T125/70 D14 Compact Spare 14 x 4.0 T Steel Disc Wheel		
	Storage position & location (describe)		Horizontal, On Rear Floor Pan Below Cargo Floor		

Tires and Wheels (Optional)

Size (load range)	●
Type (bias, radial, etc.)	●
Wheel (type & material)	●
Rim (size, flange type and offset)	●
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias, radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	Matching Spare Available with P205/60 HR15 Tires Only stored horizontally on rear floor pan below cargo floor

Brakes - Parking

Brakes - Parking	
Type of control	
Foot Operated Pedal, Hand Release Lever	
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)

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

Car Line **DODGE DAYTONA**
 Model Year **1987** Issued **6-20-86** Revised (●) **January 8, 1987**

Body Type And/Or
 Engine Displacement

185 Width Tires •

205 and 225 Width Tires

Steering

Manual (std., opt., n.a.)		not available	
Power (std., opt., n.a.)		standard	
Adjustable steering wheel (tilt, swing, other)	Type and description	tilt	
	(Std., opt., n.a.)	optional	
Wheel diameter (W9) SAE J1100	Manual	--	
	Power	381 (15)	
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	11.3 (37.0) 13.1 (42.9)
		Curb to curb (l. & r.)	10.5 (34.3) 12.4 (40.7)
	Inside rear	Wall to wall (l. & r.)	5.8 (19.0) 7.9 (26.1)
		Curb to curb (l. & r.)	5.9 (19.3) 8.0 (26.3)
Scrub Radius*		-10 (-0.4)	
Manual	Gear	Type	
		Make	
		Ratios	Gear Overall
	No. wheel turns (stop to stop)		
Power	Type (coaxial, linkage, etc.)		integral power unit
	Make		TRW
	Gear	Type	rack and pinion with integral power unit
		Ratios	Gear Overall
		Overall	
	Pump (drive)		pulley and belt, off crankshaft
No. wheel turns (stop to stop)		2.5 2.05	
Linkage	Type		rack and pinion (rod and ball directly attached to gear)
	Location (front or rear of wheels, other)		rear of wheels
	Tie rods (one or two)		2 (tie rod inners integral with rack and pinion gear)
Steering Axis	Inclination at camber (deg.)		13.3
	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	76/42 (3.0/1.65) dia.; 37/40 (1.46/1.57) wide
		Outer bearing	--
	Thread (size)		M22 x 1.5
	Bearing (type)		double row Unipack ball or tapered roller bearing

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

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line DODGE DIPLOMAT	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line **DODGE DIPLOMAT**
 Model Year **1987** Issued **6-20-86** Revised (•) **January 8, 1987**

Engine description/Carb.
 Engine Code

5.2L (318.0 in³)
2 bbl., ELA

ENGINE - GENERAL

Type & description (inline, V, angle, flat, location, front, mid, rear, transverse, longitudinal, sohc, dohc, ohv, hemi, wedge, pre-chamber, etc.)	90° V-8 OHV, Front, Longitudinal	
Manufacturer	Chrysler	
No. of Cylinders	8	
Bore	99.3 (3.91)	
Stroke (C/L to C/L)	84.1 (3.31)	
Bore spacing (C/L to C/L)	113.3 (4.46)	
Cylinder block material & mass kg (lbs) (machined)	Cast Iron	62.709 (138.25)
Cylinder block deck height	243.69/243.94 (9.594/9.604)	
Cylinder block length		
Deck clearance (minimum) (above or below block)	1.69 (0.066) Below	
Cylinder head material & mass kg (lbs.)	Cast Iron	44.162 (97.36)
Cylinder head volume (cm ³)	65.7 to 69.7	
Cylinder liner material		
Head gasket thickness (compressed)	0.85 (0.034)	
Minimum combustion chamber total volume (cm ³)	Clearance Volume: 85.82	
Cyl. no. system (front to rear)*	L. Bank	1, 3, 5, 7
	R. Bank	2, 4, 6, 8
Firing order	1, 8, 4, 3, 6, 5, 7, 2	
Intake manifold material & mass [kg (lbs.)]**	Cast iron 21.305 (46.97)	
Exhaust manifold material & mass [kg (lbs.)]**	Cast iron R: 6.187 (13.64); L: 6.803 (15.00)	
Recommended fuel (leaded, unleaded, diesel)	Premium unleaded (recommended)	
	Regular unleaded (acceptable)	
Fuel antiknock index $\frac{R + M}{2}$	91 octane or higher (recommended)	
	87 octane or higher (acceptable)	
Total dressed engine mass (wt) dry***	265.8 (586.0)	

Engine - Pistons

Material & mass, g (weight, oz.) piston only	Aluminum Alloy 594.6 ± 2 (20.97)
--	-------------------------------------

Engine - Camshaft

Location	Center of "V" Above Crankshaft	
Material & mass kg (weight, lbs.)	Steel • 4.1 (9.05)	
Drive type	Chain/belt	Chain
	Width/pitch	15.2 (0.60)/9.52 (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, air cleaner, carburetor, ignition system, manifolds, water pump, engine controls, standard fan & drive belts, oil filter, engine mount, and throttle controls as required.

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

Car Line **DODGE DIPLOMAT**

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

Engine description/Carb.
 Engine Code

5.2 L (318 in.³)
2 bbl., ELA

Engine - Valve System

Hydraulic lifters (std., opt., n.a.)		Std.
Valves	Number intake/exhaust	8/8
	Head O.D. intake/exhaust	1.78 / 1.5

Engine - Connecting Rods

Material & Mass [kg., (weight lbs.)]	Forged steel: 0.758 (1.67)
--------------------------------------	----------------------------

Engine - Crankshaft

Material & Mass [kg., (weight lbs.)]	Nodular iron : 24.22 (53.4)
End thrust taken by bearing (no.)	Three
Number of main bearings	Five
Seal (material, one, two piece design, etc.)	Front One piece
	Rear Two piece

Engine - Lubrication System

Normal oil pressure [kPa (psi) at eng. rpm]	30 to 80 @ 3000 rpm
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	
Charge cooler	

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

Car Line **DODGE DIPLOMAT**

Model Year **1987**

Issued **6-20-86**

Revised(•) **Jan. 8, 1987**

Engine Description/Carb.
 Engine Code

5.2 L (318 in.³)
2 bbl.
ELA

Vehicle Emission Control

Exhaust Emission Control	Type (air injection, eng. modifications)		air injection, exh. gas recirc., engine mod's, catalytic converter
	Air injection	Pump or pulse	positive displacement vane pump
		Driven by	V - belt
		Air distribution (head, manifold, etc.)	exhaust port - cold; single point - hot
		Point of entry	cylinder head - cold; exhaust manifold collector - hot
	Exhaust Gas Recirc- ulation	Type (controlled flow, open orifice, other)	controlled flow
		Exhaust source	intake manifold exhaust crossover
		Point of exhaust inj. (spacer, carb., manif., etc.)	intake manifold floor
	Catalytic Converter	Type	3 - Way + oxidation
		Number of	three
		Location(s)	below exhaust manifold (2) and under floor
		Volume [L(in. ³)]	2 x 1.23 (75) 3-way + 1.16 (71) 3-way = 2.31 (141) oxidation •
Crankcase Emission Control	Type (ventilates to atmosphere, induction system, other)		closed induction system
	Energy source (manifold, vacuum, carburetor, other)		intake manifold vacuum
	Discharges (to intake manif., other)		carburetor base
	Air inlet (breather cap, other)		crankcase inlet air cleaner
Evapora- tive emis- sion control Electronic system	Vapor vented to (crank- case, canister, other)	Fuel tank	canister
		Carburetor	canister
	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 with cross-over •
Muffler no. & type (reverse flow, straight through separate resonator) Material & mass [kg. (weight lbs.)]		one reverse flow 10.64 (23.46)
Resonator no. & type		none
Exhaust pipe	Branch o. d., wall thickness	50.8 x 1.83 (2.00 x 0.072)
	Main o. d., wall thickness	57.2 x 1.83 (2.25 x 0.072)
	Material & mass [kg. (weight lbs.)]	stainless steel 9.03 (19.9) (a)
Intermed- iate pipe	o. d., & wall thickness	57.2 x 1.83 (2.25 x 0.072)
	Material & mass [kg. (weight lbs.)]	stainless steel 5.95 (13.1) (b) •
Tail pipe	o. d., & wall thickness	47.8 x 1.2 (1.88 x 0.048) •
	Material & mass [kg. (weight lbs.)]	stainless steel (see muffler assembly)

(a) Includes 1.86 kg. (4.10 lbs.) substrate and stainless steel mesh

(b) Includes 2.56 kg. (5.65 lbs.) substrate and stainless steel mesh

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

Car Line DODGE DIPLOMAT
 Model Year 1987 Issued 6-20-86 Revised (●) _____

Engine Description/Carb.
 Engine Code

ALL

Transmissions/Transaxle

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

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	----

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

Car Line **DODGE DIPLOMAT**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Body Type

All

Lamps and Headlamps Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	721.0 (28.4)
		Lowest	--
	Taillamp (SAE - H128)	Highest**	678.0 (26.7)
		Lowest	--
	Sidemarker	Front	586.0 (23.1)
		Rear	678.0 (26.7)
Distance from centerline of car to center of bulb or marker	Headlamp	Inside	460.0 (18.1)
		Outside**	662.0 (26.1)
	Taillamp	Inside	442.0 (17.4)
		Outside**	777.0 (30.6)
	Directional	Front	569.0 (19.9)
		Rear	610.0 (24.0)

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.

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

Car Line **DODGE DIPLOMAT**

Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Actual •

	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	
Diplomat Salon	928	690	1618	49.1	50.9	19.1	80.9	1577
(Four door - sedan)	(2046)	(1521)	(3567)					(3477)
Diplomat SE	938	710	1648	49.1	50.9	19.1	80.9	1608
(Four door - sedan)	(2069)	(1565)	(3634)					(3544)

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

** Shipping mass (weight) definition-

METRIC (U.S. Customary)

Car Line **DODGE DIPLOMAT**

Model Year 1987 Issued 6-20-86 Revised(•) Jan. 8, 1987

Actual ●

[illegible]

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

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line DODGE 600	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line **DODGE 600**

Model Year **1987**

Issued **6-20-86**

Revised(•) **Jan. 8, 1987**

Body Type

41

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.
Console (floor, overhead)		N.A.
Defroster, elec. backlight		EBL - Opt.
Electronic	Diagnostic warning (integrated, individual)	Std.
	Instrument cluster (list instruments)	N.A.
	Keyless entry	N.A.
	Trip minder (avg. spd. fuel)	N.A.
	Voice alert (list items)	N.A.
	Other	
Message center		Light bar message center - Std. - 600SE Opt. - 600
Fuel door lock (remote, key, electric)		Remote - Std.
Lamps	Auto head on/off delay, dimming	N.A.
	Cornering	Std. - 600 SE N.A. - 600
	Courtesy (map reading)	Front door courtesy - Std. Front reading - Opt.
	Door lock, ignition	Ignition-Std. 600 SE Opt. - 600
	Engine compartment	Opt. - 600 N.A. - 600 SE
	Fog	N.A.
	Glove compartment	Std. - 600 SE Opt. - 600
	Trunk	Std. - 600 SE Opt. - 600
	Other	Dome - Std.
Mirrors	Day/night (auto. man.)	Manual - Std.
	L.H. (remote, power, heated)	Remote - Std. Power - Opt.
	R.H. (convex, remote, power, heated)	Manual convex - Std. Power - convex - Opt.
	Visor vanity (RH/LH, illuminated)	RH Illuminated - Opt.
Parking brake - auto release (warning light)		Auto release - N.A.
Power equipment	Door locks/deck lid - specify	Door locks - Opt.
	Seat (2-4-6 way) heated (driver, pass., other) lumbar, hip, thigh support (power, manual) reclining (driver, pass.) memory (1-2 preset, recline)	6 Way - left 50/50 - Opt. 600 SE N.A. - 600 Driver and passenger recliners - Std. - 600 SE
	Side windows	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	See Page 19A
	Speaker (number, location) Premium sound	See Page 19A
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. Glove Box Lock-Std. Locking Steering Column-Std. Anti-theft Labels-Std. Inside fuel filler door release - Std. Decklid release lockout •

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

Car Line **DODGE 600**

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

-
1. AM Electronically Tuned Radio (includes 1 front speaker) Std. - 600 N.A. - 600 SE
 2. AM/FM/MX ETR (Includes 2 front 2 rear speaker system) - Std. - 600 SE N.A. - 600
 3. AM/FM/MX Cassette/ETR (Includes 4 front 2 rear speaker system) - Opt.

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

Car Line **DODGE 600**

Model Year **1987**

Issued **6-20-86**

Revised(*)

Body Type

All

Lamps and Headlamps Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	683.8
		Lowest	--
	Taillamp (SAE - H128)	Highest**	682.0
		Lowest	676.2
	Sidemarket	Front	683.3
		Rear	676.2
Distance from centerline of car to center of bulb or marker	Headlamp	Inside	443.0
		Outside**	631.5
	Taillamp	Inside	487.0
		Outside**	777.5
	Directional	Front	603.5
		Rear	612.0

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.

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

Car Line **DODGE 600**

Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Actual •

Model	Vehicle Mass (Weight)							
	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	
600 four door - sedan								
2.2L(135.0 in. ³) EDF engine	738	436	1174	51.6	48.4	19.8	80.2	1144
	(1627)	(962)	(2589)					(2523)
600 SE four door - sedan								
2.2L (135.0 in. ³) EDFengine	739	435	1174	51.6	48.4	19.8	80.2	1144
	(1628)	(961)	(2589)					(2523)

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

** Shipping mass (weight) definition-

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

Car Line **DODGE 600**

Model Year **1987**

Issued **6-20-86**

Revised(*) **Jan. 8, 1987**

Actual •

	Optional Equipment Differential Mass (Weight)*			
Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
2.2L (135.0 in.3) turbo-charged engine, EDG	16 (37)	0 (-1)	16 (36)	
2.5L (153.0 IN.3) EDM EFI engine	16 (36)	0 (-1)	16 (35)	
500 Amp. battery	0.9 (2)	0 (0)	0.9 (2)	
Trunk dress - up	0 (0)	3.2 (7)	3.2 (7)	
Front & Rear floor mats	1.8 (4)	1.4 (3)	3.2 (7)	
Dual electric outside-mirrors	1.4 (3)	0.4 (1)	1.8 (4)	
Air conditioning	25.4 (56)	-1.4 (-4)	24 (52)	
Power windows	5.5 (12)	4.5 (10)	10 (22)	
Power door locks	0.9 (2)	0.9 (2)	1.8 (4)	
Power seat - left	3.6 (8)	3.2 (7)	6.8 (15)	
Bumper guards-front&rear	0.9 (2)	0.9 (2)	1.8 (4)	
Automatic speed control	1.8 (4)	0 (0)	1.8 (4)	
AM Stereo/FM Stereo/ETR Radio	0.4 (1)	1.4 (3)	1.8 (4)	Std. on SE
Conventional spare tire	-5.0 (-11)	14.5 (32)	9.5 (21)	
Class III wheel covers	2.8 (6)	2.8 (6)	5.6 (12)	
Undercoating	1.4 (3)	1.8 (4)	3.2 (7)	

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

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line DODGE ARIES	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line **DODGE ARIES**

Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Body Type

21, 41

45

Body

Structure

Bumper system
front - rear

Front - Urethane Fascia 4.2 kg. (9.25 lbs.)
Ultra High Strength Steel 9.8 kg. (21.6 lbs.) •

Rear - Urethane Fascia 4.05 kg. (8.9 lbs.) Ultra High Strength Steel • 7.39 kg. (16.25 lbs.)	Rear - Urethane Fascia 3.5 kg. (7.6 lbs.) Ultra High Strength Steel • 5.7 kg. (12.5 lbs.)
---	--

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)	Rear
	Type (counterbalance, prop)	Counterbalanced, clockspring
	Release control (internal, external)	Internal
Trunk-lid	Type (counterbalance, other)	Counterbalanced, Torsion bar
	Internal release control (elec., mech., n.a.)	--
Hatch-back lid	Type (counterbalance, other)	Gas Prop
	Internal release control (elec., mech., n.a.)	--
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	Full foam with zig zag helper elements
	3rd seat	--
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - Flex-O-Lator Mat
	Rear	Formed wire
	3rd seat	--

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

Car Line **DODGE ARIES**

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

Body Type

21	41	45
----	----	----

Restraint System

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

Frame

Type and description (separate frame, unitized frame, partially unitized frame)		Unitized construction		
Glass	SAE Ref. No.			
Windshield glass exposed surface area [cm ² (in ²)]	S1	8069 (1251)		
Side glass exposed surface area [cm ² (in ²)]	S2	9227 (1430)	9647(1495)	15542(2409)
Backlight glass exposed surface area [cm ² (in ²)]	S3	4559 (707)	5139 (797)	5234 (811)
Total glass exposed surface area [cm ² (in ²)]	S4	21855 (3388)	22855(3543)	28845(4471)
Windshield glass (type)		Laminated safety glass		
Side glass (type)		Heat treated safety glass		
Backlight glass (type)		Heat treated safety glass		

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

Car Line **DODGE ARIES**

Model Year **1987** Issued **6-20-86** Revised(•) **Jan. 8, 1987**

Actual •

	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	
Aries								
2.2L (135.0 in. ³) EDF engine								
Two door - sedan	676	392	1068	50.2	49.8	19.0	81.0	1038
	(1491)	(865)	(2356)					(2290)
Four door - sedan	678	403	1081	50.2	49.8	19.0	81.0	1051
	(1495)	(888)	(2383)					(2317)
Aries LE								
2.2L (135.0 in. ³) EDF engine								
Two door - sedan	683	398	1081	50.2	49.8	19.0	81.0	1051
	(1505)	(877)	(2382)					(2316)
Four door - sedan	684	409	1093	50.2	49.8	19.0	81.0	1063
	(1507)	(901)	(2408)					(2342)
Station Wagon	674	444	1118	50.2	49.8	19.0	81.0	1088
	(1487)	(978)	(2465)					(2399)

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

** Shipping mass (weight) definition-

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

Car Line **DODGE ARIES**

Model Year **1987** Issued **6-20-86** Revised(•) **Jan. 8, 1987**

Actual •

	Optional Equipment Differential Mass (Weight)*			
Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
2.5L (153.0 in. ³) EDM	42 (93)	-2 (-5)	40 (88)	LE only and auto. trans.
Automatic transmission	18 (41)	-1 (-3)	17 (38)	EDF Engine Only •
Air conditioning	26.8 (59)	-2.3 (-5)	24.5 (54)	
Power steering	9.1 (20)	0.4 (1)	9.5 (21)	
Power door locks	1.4 (3)	0.4 (1)	1.8 (4)	two - door
	2.3 (5)	1.3 (3)	3.6 (8)	four - door and station wagon
Bench seat	4.1 (9)	5.0 (11)	9.1 (20)	LE two door, automatic trans. only
	3.6 (8)	4.1 (9)	7.7 (17)	LE four door and station wagon automatic transmission only
Console	1.4 (3)	1.4 (3)	2.8 (6)	
AM Stereo/FM Stereo radio	1.7 (4)	2.3 (5)	4.0 (9)	Reliant
	0.4 (1)	1.4 (3)	1.8 (4)	Reliant LE
500 ampere battery	5.9 (13)	-0.9 (-2)	5.0 (11)	
Rear wiper washer	-0.9 (-2)	4.5 (10)	3.6 (8)	Station wagon only
Luggage rack	0.4 (1)	5.0 (11)	5.4 (12)	Station wagon only
Special sound insulation	0.4 (1)	2.3 (5)	2.7 (6)	Sedan
	0 (0)	10.9 (24)	10.9 (24)	Station wagon
Front & rear floor mats	2 (4)	1 (3)	3 (7)	
Tonneau cover	0 (0)	2.3 (5)	2.3 (5)	Station wagon
Conventional spare tire	-7 (-15)	15 (32)	8 (17)	Sedan
	5 (-10)	11 (24)	6 (14)	Station wagon
Undercoating	0.9 (2)	1.4 (3)	2.3 (5)	

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

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line DODGE SHADOW	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line **DODGE SHADOW**

Model Year **1987** Issued **6 - 20 - 86** Revised (•) **Jan. 8, 1987**

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)
DODGE SHADOW-FWD				
2 Door Hatchback	June 1986	DH24	5(2,3)	115
4 Door Hatchback		DH44	5(2,3)	115
•	•	•	•	•

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

Car Line **DODGE SHADOW**

Model Year **1987** Issued **6-20-86** Revised (●) **January 8, 1987****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]

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

Car Line **DODGE SHADOW**

Model Year **1987** Issued **6-20-86** Revised (•) **January 8, 1987**

Body Type And/Or
 Engine Displacement

All

Suspension - General

Car leveling	Std./opt./n.a.	N.A.
	Type (air, hyd., etc.)	-
	Manual/auto controlled	-
Provision for brake dip control		Inclined Control Arm 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	Gas-charged-Hydraulic
	Make	Front: Delco Rear: Monroe or Maremont
	Piston diameter	Front: 32 (1.26); Rear: 30.2 (1.19)
	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	94 (3.70)
	Full rebound	106 (4.12)
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. (8.5 x 6.0) I.D.
	Spring rate [N/mm (lb./in.)]	21.0 (120) •
	Rate at wheel [N/mm (lb./in.)]	24.5 (140) •
Stabilizer	Type (link, linkless, frameless)	Linkless
	Material & bar diameter	AISI 1090 Spring Steel: 25.4 (1.00) •

Suspension - Rear

Type and description		Trailing Flex-arm with track bar
Drive and torque taken through		Arm
Travel	Full jounce	102 (4.02)
	Full rebound	(3.54)
Spring	Type (coil, leaf, other) & mat'l.	Coil: AISI 5160H Chromium Alloy Steel
	Size (length x width, coil design height & i.d., bar length x dia.)	229 x 102 I.D. (9.0 x 4.01 I.D.)
	Spring rate [N/mm (lb./in.)]	28 (160)
	Rate at wheel [N/mm (lb./in.)]	17.8 (102) curb position
	Insulators (type & material)	Compression: Rubber
	If leaf	No. of leaves
		Shackle (comp. or tens.)
Stabilizer	Type (link, linkless, frameless)	Frameless ERW Tube •
	Material & bar diameter	80 KSI HSLA Steel: 28.6mm (1.13 in) •
Track bar (type)		Channel type

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

Car Line **DODGE SHADOW**

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

Body Type And/Or
 Engine Displacement

2.2L (135.0in³)
EFI, EDF Lowline

2.2L (135.0in³)
Turbo EFI, EDG

Brakes - Service

Description			four-wheel hydraulic actuated system		
Brake type (std., opt., n.a.)		Front (disc or drum)	disc		
		Rear (disc or drum)	drum		
Self-adjusting (std., opt., n.a.)			standard		
Special valving	Type (proportion, delay, metering, other)		dual proportioning valve		
Power brake (std., opt., n.a.)			standard		
Booster type (remote, integral, vac., hyd., etc.)			vacuum, single or tandem		
Vacuum source (inline, pump, etc.)			intake manifold		
Vacuum reservoir (volume in. ³)			--		
Vacuum pump-type (elec, gear driven, belt driven, if other so state)			--		
Anti-skid device type (std., opt., n.a.) (F/R)			N. A.		
Effective area [cm ² (in. ²)]* (F/R)			391 (60.6)	423.12 (65.58)	
Gross lining area [cm ² (in. ²)]** (F/R)			406.10 (62.95)	456.90 (70.82)	
Swept area[cm ² (in. ²)]*** (F/R)			1349.32 (209.15)	1681.10 (260.57)	
Rotor	Outer working diameter	F/R	front: 235.7 (9.28)	front: 256.2 (10.09)	
	Inner working diameter	F/R	front: 159.7 (6.29)	front: 158.2 (6.23)	
	Thickness	F/R	front: 24.0 (0.945)	front: 24.0 (0.945)	
	Material & type (vented/solid)	F/R	front: damped cast iron, vented		
Drum	Diameter & width	F/R	rear: 200 (7.87) x 37.62 (1.48)		
	Type and material	F/R	rear: cast composite		
Wheel cylinder bore			front: 54 (2.13); rear: 15.87 (0.625)		
Master cylinder	Bore/stroke	F/R	21.0 (0.827)/32.79 (1.291)		
Pedal arc ratio			all: 3.28:1		
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			power: 9854 (1390)		
Lining clearance		F/R	no major adjustments		
Brake Lining	Front wheel (a)	Bonded or riveted (rivets/seg.)		bonded	riveted: 6/shoe
		Rivet size		--	4.65 (0.18) dia. x 7.5 (0.3)
		Manufacturer		Chrysler	Bendix
		Lining code *****		CW - K - FF	BX-JD-EE
		Material		molded metallic	
		****	Primary or out-board	3700 x 12.45 (5.74 x 0.490)	4970 x 11.08(7.70 x 0.436)
		Size	Secondary or in-board	3700 x 12.45 (5.74 x 0.490)	4970 x 11.08 (7.70 x 0.436)
		Shoe thickness (no lining)		5.30 (0.209)	5.33 (0.210)
	Rear wheel	Bonded or riveted (rivets/seg.)		riveted, 10/shoe	
		Manufacturer		Bendix	
		Lining code *****		--	
		Material		rolled asbestos	
		****	Primary or out-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)	
		Size	Secondary or in-board	198.56 x 32.5 x 6.65 (7.82 x 1.28 x 0.262)	
		Shoe thickness (no lining)		2.17 (0.0854)	

* Excludes rivet holes, grooves, chamfers, etc.

** Includes rivet holes, grooves, chamfers, etc.

*** Total swept area for brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)

(Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)

**** Size for drum brakes includes length x width x thickness.

***** Manufacturer I.D., catalog or formulation designation and coefficient of friction classification.

(a) area x thickness

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

Car Line **DODGE SHADOW**

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

Engine Description/Carb.
 Engine Code

2.2L (135.0 in. ³)	
EFI, EDF	EFI Turbo, EDG

Electrical - Supply System

Battery	Make	Mopar	
	Model, std., (opt.)	Group 26 (Group 34)	Group 34
	Voltage	12V	
	Amps at 0°F cold crank	335 (500)	400(500)
	Minutes-reserve capacity	62 (110)	100(110)
	Amp/hr. - 20 hr. rate	42 (66)	60 (66)
	Location	Left front fender side shield	
Alternator	Manufacturer	Chrysler or Robert Bosch	
	Rating	90 Amp	
	Ratio (alt. crank/rev.)	2.4:1	
	Optional (type & rating)	-	
Regulator	Type	(a)	

Electrical - Starting System

Start, motor	Current drain at 0°F	210-250A
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)	(a)		
Coil	Make	UTC	Prestolite	Diamond
	Model	5226865	5227372	5227252
	Current	3.0A		
		1.9A		
Spark plug	Make	Champion		
	Model	RN12YC		
	Thread (mm)	14 mm		
	Tightening torque (N-m (lb-ft))	28 (20)		
	Gap	0.9 (0.035)		
	Number per cylinder	one		
Distributor	Make	Chrysler		
	Model	5226575	5226525	

Electrical - Suppression

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

(a) Engine control computer with electronic spark advance and voltage regulator

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

Car Line **DODGE SHADOW**

Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Body Type

All

Body

Structure	
Bumper system front - rear	Front - TPO Fascia - 4.1 kg. (9.0 lbs.) Ultra High Strength Steel - 120,000 psi 7.3 kg. (16.0 lbs.) • Rear - TPO Fascia - 4.0 kg. (8.6 lbs.) Ultra High Strength Steel - 120,000 psi 7.3 kg. (16.0 lbs.) •
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)	Rear
	Type (counterbalance, prop)	Counterbalanced, clockspring
	Release control (internal, external)	Internal
Trunk-lid	Type (counterbalance, other)	--
	Internal release control (elec., mech., n.a.)	--
Hatch-back lid	Type (counterbalance, other)	Gas pressurized struts
	Internal release control (elec., mech., n.a.)	Mechanical
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	Full volume foam
	3rd seat	--
Seat back type (e.g., 60/40, bucket, bench, wire, foam, etc.)	Front	Bucket - Flex-O-Lator Mat
	Rear	Full volume foam
	3rd seat	--

MVMA Specifications Form

Passenger car
METRIC (U.S. Customary)
Cae and Body Dimensions

Car Line **DODGE SHADOW**

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.	24	44
-----------	--------------	----	----

Width

Tread (front)	W101	1464 (57.6)	
Tread (rear)	W102	1453 (57.2)	
Vehicle width	W103	1710 (67.3)	
Body width at SgRP (front)	W117	1708 (67.2)	
Vehicle width (front doors open)	W120	4074 (160.4)	3431 (135.1)
Vehicle width (rear doors open)	W121		3297 (129.8)
Front fender overall width	W106	1670 (65.7)	
Rear fender overall width	W107	1710 (67.3)	
Tumble-home (deg.)	W122	24°	

Length

Wheelbase	L101	2463 (97)	
Vehicle length	L103	4361 (171.7)	
Overhang (front)	L104	974 (38.3)	
Overhang (rear)	L105	924 (36.4)	
Upper structure length	L123	2413 (95)	
Rear wheel C/L "X" coordinate	L127	2552 (100.5)	
Cowl point "X" coordinate	L125	486 (19.1)	
Front end length at centerline	L126	1350 (53.1)	
Rear end length at centerline	L129	598 (23.5)	

Height*

Passenger distribution (front/rear)	PD 1,2,3	2 - Front	3 - Rear
Trunk/cargo load		--	
Vehicle height	H101	1339 (52.7)	
Cowl point to ground	H114	911 (35.9)	
Deck point to ground	H138	922 (36.3)	
Roker panel front to ground	H112	203 (8.0)	
Bottom of door closed front to ground	H133	235 (9.3)	241 (9.5)
Rocker panel rear to ground	H111	173 (6.8)	
Bottom of door closed rear to ground	H135	--	231 (9.1)
Windshield slope angle	H122	56°	
Backlight slope angle	H121	54°	

Ground Clearance

Front bumper to ground	H102	246 (9.7)	
Rear bumper to ground	H104	261 (10.3)	
Bumper to ground [front at curb mass (wt.)]	H103	263 (10.4)	
Bumper to ground [rear at curb mass (wt.)]	H105	344 (13.5)	
Angle of approach (degrees)	H106	16°	
Angle of departure (degrees)	H107	16°	
Ramp breakover angle (degrees)	H147	12°	
Axle differential to ground (front/rear)	H153	Front 141 (5.6)	
Min. running ground clearance	H156	117 (4.6)	
Location of min. run. ground clearance		Frnt. Susp. C'mbr. Brkt. (left hand side)	

* 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
METRIC (U.S. Customary)
Cae and Body Dimensions

Car Line **DODGE SHADOW**

Model Year **1987** Issued **6-20-86** Revised(•) **Jan. 8, 1987**

See Key Sheets for Definitions

Body Type

SAE Ref. No.	24	44
--------------	----	----

Front Compartment

SqRP front, "X" coordinate	L31	1398 (55.0)	
Effective head room	H61	973 (38.3)	
Max. eff. leg room (accelerator)	L34	1055 (41.5)	
SqRP to heel point	H30	271 (10.7)	
SqRP to heel point	L53	841 (33.1)	
Back angle	L40	24°	
Hip angle	L42	96°	
Knee angle	L44	123°	
Foot angle	L46	87°	
Design H - point front travel	L17	197 (7.8)	
Normal driving & riding seat track trvl.	L23	178 (7.0)	
Shoulder room	W3	1382 (54.4)	1390 (54.7)
Hip room	W5	1404 (55.3)	1408 (55.4)
Upper body opening to ground	H50	1101 (43.3) to "O"	
Steering wheel maximum diameter*	W9	381 (15.0)	
Steering wheel angle	H18	26°	
Accel. heel pt. to steering wheel center	L11	497 (19.6)	
Accel. heel pt. to steering wheel center	H17	637 (25.1)	
Steering wheel to C/L of thigh	H13	86 (3.4)	
Steering wheel torso clearance	L7	318 (12.5)	
Headlining to roof panel	H37	17 (0.7)	
Undepressed floor covering thickness	H67	22 (0.9)	

Rear Compartment

SqRP Point couple distance	L50	740 (29.1)	
Effective head room	H63	949 (37.4)	
Min. effective leg room	L51	864 (34.0)	
SqRP (second to heel)	H31	281 (11.1)	
Knee clearance	L48	-25 (-1.0)	
Compartment room	L3	614 (24.2)	
Shoulder room	W4	1334 (52.5)	1384 (54.5)
Hip room	W6	1206 (47.5)	1136 (44.7)
Upper body opening to ground	H51	N.A.	1106 (43.5) to "O"
Back angle	L41	25°	
Hip angle	L43	83°	
Knee angle	L45	84°	
Foot angle	L47	119°	
Headlining to roof panel (second)	H38	21 (0.8)	
Depressed floor covering thickness	H73	13 (0.5)	

Luggage Compartment

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

Interior Volumes (EPA Classification)

Vehicle class (subcompact, compact, etc.)		Compact •
Interior volume index (cu. ft.)	101.9	102.4
Trunk/cargo index (cu. ft.)	13.2	13.7

* See Page 14

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

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

Car Line DODGE SHADOW
 Model Year 1987 Issued 6-20-86 Revised(*)

Body Type

All

Lamps and Headlamps Shape*

Height above ground to center of bulb or marker	Headlamp (SAE - H127)	Highest**	635.1 (25.0)
		Lowest	--
	Taillamp (SAE - H128)	Highest**	691.2 (27.2)
		Lowest	688.2 (27.1)
	Sidemarker	Front	489.6 (19.3)
		Rear	688.2 (27.1)
Distance from centerline of car to center of bulb or marker	Headlamp	Inside	--
		Outside**	528 (20.8)
	Taillamp	Inside	629 (24.8)
		Outside**	733 (28.9)
	Directional	Front	555 (21.9)
		Rear	629 (24.8)

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.

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

Car Line **DODGE SHADOW**
 Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Actual •

		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) EDF engine								
Two door - hatchback	700 (1543)	440 (970)	1140 (2513)	47	53	17	83	1110 (2447)
Four door - hatchback	700 (1543)	454 (1001)	1154 (2544)	47	53	17	83	1124 (2478)
2.2L (135.0 in. ³) EDG engine								
Two door - hatchback	721 (1590)	441 (972)	1162 (2562)	47	53	17	83	1132 (2496)
Four door - hatchback	721 (1589)	459 (1011)	1180 (2600)	47	53	17	83	1150 (2534)

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

** Shipping mass (weight) definition-

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

Car Line **DODGE SHADOW**

Model Year **1987** Issued **6-20-86** Revised(•) **Jan. 8, 1987**

Actual ●

[illegible]

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

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line DODGE CARAVAN	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line **DODGE CARAVAN**

Model Year **1987** Issued **6-20-86** Revised (•) **January 8, 1987**

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)*	Right to left as installed in car 1, 2, 3, 4	
	--	
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) •	430 (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)

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

Car Line **DODGE CARAVAN**

Model Year **1987**

Issued **6-20-86**

Revised (•) _____

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	2,4,6
Firing order	1, 3, 4, 2	1,3,5
Intake manifold mat'l. & mass [kg(wt., lbs.)]**	Aluminum alloy 2.70 (5.95)	1,2,3,4,5,6
Exhaust manifold mat'l. & mass [kg(lbs.)]**	Cast iron 5.40 (11.90)	Die-cast aluminum 8.44 (18.6)
Recommended fuel (leaded, unleaded, diesel)	Regular unleaded	Nodular cast iron 10.04 (22.1)
Fuel antiknock index $\frac{R + M}{2}$	87 octane or higher	Regular unleaded
Total dressed engine mass (wt) dry***	156.0 (343.9)	87 octane or higher
		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	Belt
	23.3 (0.917)/9.525 (0.375)	--/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

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

Car Line **DODGE CARAVAN**

Model Year **1987** Issued **6-20-86** Revised (•) **January 8, 1987**

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)	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
Cooling System	With heater - L(qt.)	8.1 (8.5)	9.0 (9.5)
	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) 3.60 (8.0) •
	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

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

Car Line **DODGE CARAVAN**

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

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

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

Car Line **DODGE CARAVAN**

Model Year **1987** Issued **6-20-86**

Revised (•) _____

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	Holly
	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.

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

Car Line **DODGE CARAVAN**

Model Year **1987** Issued **6-20-86** Revised(•) **Jan. 8, 1987**

Engine Description/Carb.
 Engine Code

2.2L(135.0in³) 2 bbl. EDE	2.6L (155.9 in.³) 2 bbl. EDE
---	--

Vehicle Emission Control

	Type (air injection, eng. modifications)		air injection(a)	aspirator (a)(b)
Exhaust Emission Control	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 Electronic system	Vapor vented to (crank- case, canister, other)	Fuel tank	canister	
		Carburetor	canister	
	Vapor storage position		canister	
	Closed loop (yes/no)		yes - hot engine	--
	Open loop (yes/no)		yes - cold engine	--

Engine - Exhaust System

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)
Intermed-iate 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; 1.90kg.

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

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

Car Line **DODGE CARAVAN**
 Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

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	
	Catalytic Converter	Type	3 - Way	
		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 Electronic system	Vapor vented to (crank- case, canister, other)	Fuel tank	canister	
		Carburetor	--	
	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	Branch o. d., wall thickness	none •	one straight through •
	Main o. d., wall thickness	50.8 x 1.4	50.8 x 1.4
	Material & mass [kg. (weight lbs.)]	stainless steel 5.35 (11.8)*	stainless steel 5.58 (12.3)*
Intermed- iate 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)	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 DODGE CARAVAN
 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

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

Car Line **DODGE CARAVAN**
 Model Year **1987** Issued **5-15-86** Revised (•) **January 8, 1987**

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 Width	SAE Ref. No.	SHK 53	SHK 52 7 PASSENGER	SHK 52 5 PASSENGER
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)	2846 (112.0) •
Vehicle length	L103	4838 (190.5)	4467 (175.9) •
Overhang (front)	L104	840 (33.1)	840 (33.1)
Overhang (rear)	L105	974 (38.3)	781 (30.7) •
Upper structure length	L123	--	--
Rear wheel C/L "X" coordinate	L127	3113 (122.6)	2935 (115.6) •
Cowl point "X" coordinate	L125	286 (11.3)	286 (11.3)
Front end length at centerline	L126	1037 (40.8)	1037 (40.8) •
Rear end length at centerline	L129	--	--

Height*

Passenger distribution (front/rear)	PD1,2,3	2 + 2 + 3 •	2 + 2 + 3 •	2 + 3
Trunk/cargo load		--	--	--
Vehicle height	H101	1644 (64.7)	1637 (64.4)	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 grd.	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 grd.	H135	322 (12.7)	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)	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)	377 (14.8)
Angle of approach (degrees)	H106		24°	
Angle of departure (degree)	H107	20°	24°	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. grd. clear.			RR Axle (Shock)	

*All vehicle height and ground clearances are made at the Manufacturer's Design Load Weight, unless otherwise specified.

Manufacturers Design Load Weight is defined with indicated passenger distribution and trunk/cargo load.

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 **DODGE CARAVAN**

Model Year **1987** Issued **5-15-86** Revised (•) **Jan. 8, 1987**

See Key Sheets for Definitions

Body Type

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

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 zero
Steering wheel maximum diameter*	W9	381 (15.0)
Steering wheel angle	H18	34.5°
Accel. heel pt. to steer. whl. cntr.	L11	342 (13.5)
Accel. heel pt. to steer. whl. cntr.	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 (front)	H37	19 (0.7)
Undepressed floor covering thickness	H67	25 (1.0)

Rear Compartment

Rear Compartment					
SqRP Point couple distance	L50	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	L51	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	169 (6.7) ●	46 (1.8) ●	273 (10.7) ●	111 (4.4) ●
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 zero			
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	

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 Line DODGE CARAVAN
 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	--		
	Sidemarker	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
Passenger car
METRIC (U.S. Customary)

Car Line DODGE CARAVAN
 Model Year 1987 Issued 6-20-86 Revised(*) Jan. 8, 1987

Actual (unbold type) • & Estimated (bold type) •

		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								
Caravan - standard	816 (1798)	543 (1198)	1359 (2996)	56.3	43.7	22.6	77.4	1326 (2924)
Caravan SE - standard •	823 (1814)	571 (1260)	1394 (3074)	56.3	43.7	22.6	77.4	1348 (2972)
Caravan LE - standard	830 (1831)	574 (1266)	1404 (3097)	56.3	43.7	22.6	77.4	1358 (2995)
2.5L (153.0 in. ³) EDM engine								
Caravan SE - extended	850 (1875)	671 (1480)	1521 (3355)	56.3	43.7	28.3	71.7	1475 (3253)
Caravan 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 **DODGE CARAVAN**
 Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Actual •

Optional Equipment Differential Mass (Weight)*				
Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
2.6L (155.9 in. ³) engine EEA	15 (33)	-0.9 (-2)	14.1 (31)	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	0 (0)	44.4 (98)	44.4 (98)	Std. model Std. extended model
8-passenger seating	0.4 (1)	43.1 (95)	43.1 (96)	Std. model only, negligible ext. model
5-pass w/convert-a-bed	5.0 (11)	18.1 (40)	23.1 (51)	Std. model
5-pass. w/convert-a-bed	-0.4 (-1)	-54 (-119)	-54.4 (-120)	extended model
6-pass. w/convert-a-bed	5.0 (11)	18.1 (40)	23.1 (51)	Std. model only
Automatic transmission	11.8 (26)	-1.8 (-4)	10.0 (22)	2.2 and 2.5L engines: incl. w/ 2.6 & 3.0L engines
Air conditioning	27.2 (60)	-2.3 (-5)	24.9 (55)	2.2 and 2.5L engines
	25.4 (56)	-1.8 (-4)	23.6 (52)	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	2.7 (6)	10.9 (24)	13.6 (30)	base model
	0.4 (1)	3.6 (8)	4.0 (9)	SE: Std. LE
Power driver's seat	5.5 (12)	4.0 (9)	9.5 (21)	
Luggage rack	2.7 (6)	6.3 (14)	9.0 (20)	
AM Stereo/FM Stereo/ Cassette	0.4 (1)	2.7 (6)	3.1 (7)	w/ base model and SE: negligible on LE
Heavy-duty suspension	-0.9 (-2)	10.4 (23)	9.5 (21)	Std. model with 5 and 6 passenger seating
	0.4 (1)	9.2 (16)	7.6 (17)	Std. model with 7 and 8 passenger seating
	1.8 (4)	1.4 (3)	3.2 (7)	extended model 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).

MANUFACTURERS MOTOR VEHICLE SPECIFICATIONS

METRIC (U.S. Customary)

Passenger Car

1987

Manufacturer CHRYSLER MOTORS	Car Line DODGE LANCER	
Mailing Address DETROIT, MICHIGAN 48288	Issued JUNE 20, 1986	Revised JANUARY 8, 1987

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

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

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

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

Car Line DODGE LANCER
 Model Year 1987 Issued 6-20-86 Revised (●) _____

Body Type

44

Restraint System

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

Frame

Type and description (separate frame, unitized frame, partially unitized frame)		Unitized construction
Glass	SAE Ref. No.	
Windshield glass exposed surface area [cm ² (in ²)]	S1	6763 (1048)
Side glass exposed surface area [cm ² (in ²)]	S2	10670 (1654)
Backlight glass exposed surface area [cm ² (in ²)]	S3	8019 (1243)
Total glass exposed surface area [cm ² (in ²)]	S4	25452 (3945)
Windshield glass (type)		Laminated safety glass
Side glass (type)		Heat treated safety glass
Backlight glass (type)		Heat treated safety glass

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

Car Line **DODGE LANCER**

Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Body Type

44

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

Air conditioning (manual, auto, temp. control)		Manual - Opt. DP44 - Std.
Clock (digital, analog)		Digital - Std. with radio
Compass/thermometer		Digital - Opt. in Lancer ES (located in overhead)
Console (floor, overhead)		Floor - Std. Armrest - Std. Sport Opt. - highline
Defroster, elec. backlight		EBL - Opt.
Electronic	Diagnostic warning (integrated, individual)	N.A.
	Instrument cluster (list instruments)	Sport - Opt. N.A. - Highline See Page 15
	Keyless entry	N.A.
	Tripminder (avg. spd. fuel)	Std. with Electronic Navigator
	Voice alert (list items)	Sport - Opt. N.A. - Highline
	Other	Navigator - Sport - Opt. N.A. - Highline
Fuel door lock (remote, key, electric)		Graphic Message Center Std. - See Page 19A
Lamps	Remote release - Std.	
	Auto head on/off delay, dimming	N.A.
	Cornering	N.A.
	Courtesy (map reading)	Sport - Std. Highline - Opt.
	Door lock, ignition	Door lock, Sport-Opt-Ignition - Std-Sport Opt.-High
	Engine compartment	Sport - N.A. Highline - Opt.
	Fog	N.A.
	Glove compartment	Std.
	Trunk	Std.
	Other	Dome - Std.
Mirrors	Shift indicator - Std. N.A. w/ Automatic or Turbo	
	Manual - Std.	
	Day/night (auto. man.)	Remote - Std - Power- Opt.
	L.H. (remote, power, heated)	Remote - Std. Power - Opt.
	R.H. (convex, remote, power, heated)	Remote - Std. Power - Opt.
	Visor vanity (RH/LH, illuminated)	RH - Std. RH Illuminated - Opt.
Parking brake - auto release (warning light)		N.A.
Power equipment	Door locks - Opt. Remote Hatch release - Std.	
	Door locks/ deck lid - specify	6 Way track - Opt. (driver only)
	Seat (2-4-6 way)	
	heated (driver, pass., other)	
	lumbar, hip, thigh support (power, manual)	
	reclining (driver, pass.)	
	memory (1-2 preset, recline)	
	Side windows	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	(a) Std. (b)(c) Opt. See Page 19A
	Speaker (number, location) Premium sound	Infinity - Opt. (w/ Ultimate sound radio)
Roof open air/ fixed (flip-up, sliding, "T")		Flip up sunroof - Opt.
Speed control device		Opt.
Speed warning device (light, buzzer, etc.)		N.A.
Tachometer (rpm)		Std.
Telephone system - mobile		N.A.
Theft protection-type		Inside Hood Release-Std. Glove Box Lock-Std. Locking Steering Column-Std. Anti-theft Labels-Std. Cargo security system - Std. Folding rear seat back security locks • Decklid release lockout •

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

Car Line **DODGE LANCER**

Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Actual •

	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	
Lancer								
2.2L (135.0 in.3) EDF engine	733 (1616)	467 (1030)	1200 (2646)	51.6	48.4	19.8	80.2	1170 (2580)
2.2L (135.0 in.3) EDG engine	749 (1651)	470 (1036)	1219 (2687)	51.6	48.4	19.8	80.2	1189 (2621)
2.5L (153.0 in.3) EDM engine	751 (1655)	469 (1033)	1220 (2688)	51.6	48.4	19.8	80.2	1150 (2622)
Lancer ES								
2.2L (135.0 in.3) EDF engine	735 (1620)	478 (1055)	1213 (2675)	51.6	48.4	19.8	80.2	1183 (2609)
2.2L (135.0 in.3) EDG engine	751 (1655)	481 (1061)	1232 (2716)	51.6	48.4	19.8	80.2	1202 (2650)
2.5L (153.0 in.3) EDM engine	753 (1659)	480 (1058)	1233 (2717)	51.6	48.4	19.8	80.2	1203 (2651)

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

** Shipping mass (weight) definition-

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

Car Line **DODGE LANCER**
 Model Year **1987** Issued **6-20-86** Revised(*) **Jan. 8, 1987**

Actual •

	Optional Equipment Differential Mass (Weight)*			
Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
500 ampere battery	6 (13)	-1 (-2)	5 (11)	
Front & rear floor mats	2 (4)	2 (4)	4 (8)	
Console - center arm rest	2 (4)	2 (5)	4 (9)	Std. - Lancer ES •
Automatic transmission	17 (37)	-2 (-4)	15 (33)	EDF engine
	14 (31)	-1 (-3)	13 (28)	EDG engine
	16 (36)	-1 (-3)	15 (33)	EDM engine
Air conditioning	27 (60)	-3 (-6)	24 (54)	Std. - premium
Rear wiper washer	-0.4 (-1)	3.4 (7)	3 (6)	premium
	-1 (-2)	5 (11)	4 (9)	highline
Power windows	3.5 (8)	3.5 (8)	7 (16)	
Power seat - left	4 (10)	3 (7)	7 (17)	
AM Stereo/ FM Stereo/ Cassette radio w/ Graphic Equalizer	2 (5)	1 (1)	3 (6)	
Conventional spare tire	-1 (-2)	5 (12)	4 (10)	185 tire only
P195/70-R14 Tires	2 (5)	3 (6)	5 (11)	Std. Lancer ES
Undercoating	1 (2)	1 (3)	2 (5)	
Sunroof	3 (7)	5 (10)	8 (17)	

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