

CHRYSLER INTERNATIONAL

SERVICE MANUAL

1998 CHRYSLER VOYAGER



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FOREWORD

The information contained in this service manual has been prepared for the professional automotive technician involved in daily repair operations. This manual does not cover theory of operation, which is addressed in service training material. Information describing the operation and use of standard and optional equipment is included in the Owner's Manual provided with the vehicle.

Information in this manual is divided into groups. These groups contain general information, diagnosis, testing, adjustments, removal, installation, disassembly, and assembly procedures for the systems and components. To assist in locating a group title page, use the Group Tab Locator on the following page. The solid bar after the group title is aligned to a solid tab on the first page of each group. The first page of the group has a contents section that lists major topics within the group. If you are not sure which Group contains the information you need, look up the Component/System in the alphabetical index located in the rear of this manual.

Tightening torques are provided as a specific value throughout this manual. This value represents the midpoint of the acceptable engineering torque range for a given fastener application. These torque values are intended for use in service assembly and installation procedures using the correct OEM fasteners. When replacing fasteners, always use the same type (part number) fastener as removed.

Chrysler International reserves the right to change testing procedures, specifications, diagnosis, repair methods, or vehicle wiring at any time without prior notice or incurring obligation.

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INTRODUCTION

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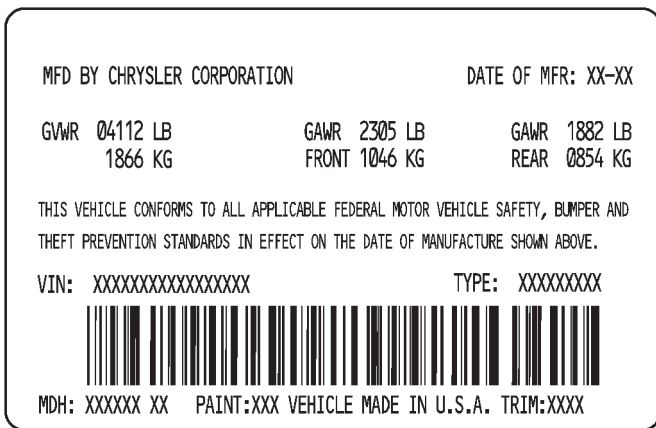
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GENERAL INFORMATION

VEHICLE SAFETY CERTIFICATION LABEL

A vehicle safety certification label (Fig. 1) is located on the rear shut face of the driver's door. This label indicates date of manufacture (month and year), Gross Vehicle Weight Rating (GVWR), Gross Axle Weight Rating (GAWR) front, Gross Axle Weight Rating (GAWR) rear and the Vehicle Identification Number (VIN). The Month, Day and Hour of manufacture is also included.

When it is necessary to contact the manufacturer regarding service or warranty, the information on the Vehicle Safety Certification Label would be required.



800dfad9

Fig. 1 Vehicle Safety Certification Label

VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) can be viewed through the windshield at the upper left corner of the instrument panel, near the left windshield pillar (Fig. 2). The VIN consists of 17 characters in a combination of letters and numbers that provide specific information about the vehicle. Refer to VIN Code Breakdown Chart for decoding information.

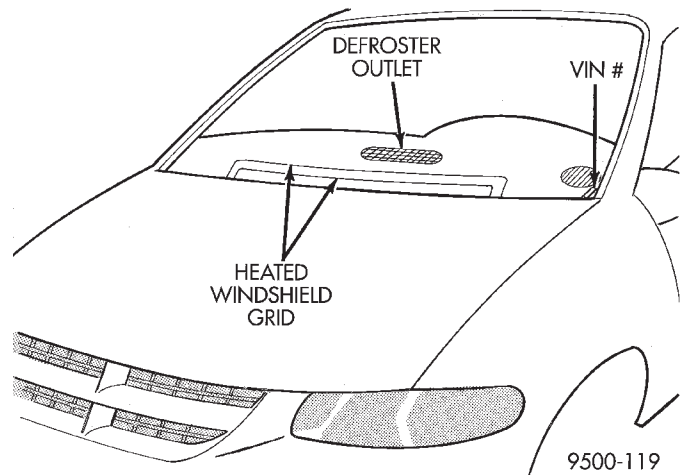


Fig. 2 Vehicle Identification Number (VIN Plate)

VIN CHECK DIGIT

To protect the consumer from theft and possible fraud, the manufacturer is required to include a Check Digit at the ninth position of the Vehicle Identification Number. The check digit is used by the manufacturer and government agencies to verify the authenticity of the vehicle and official documentation. The formula to use the check digit is not released to the general public.

BODY CODE PLATE

LOCATION AND DECODING

The Body Code Plate (Fig. 3) is located in the engine compartment on the radiator closure panel crossmember. There are seven lines of information on the body code plate. Lines 4, 5, 6, and 7 are not used to define service information. Information reads from left to right, starting with line 3 in the center of the plate to line 1 at the bottom of the plate.

GENERAL INFORMATION (Continued)

VIN CODE BREAKDOWN CHART

POSITION	INTERPRETATION	CODE = DESCRIPTION
1	Country of Origin	1 = United States 2 = Canada
2	Make	B = Dodge C = Chrysler P = Plymouth
3	Vehicle Type	4 = Multipurpose Pass. Vehicle
4	Gross Vehicle Weight Rating	G = 2268 - 2721 kg (5001 - 6000 lbs)
5	Car Line	P = Chrysler, Town & Country P = Dodge, Caravan/Grand Caravan P = Plymouth, Voyager/Grand Voyager T = AWD Chrysler, Town & Country T = AWD Dodge, Grand Caravan T = AWD Plymouth, Grand Voyager
6	Series	2 = FWD Caravan/Grand Caravan, Voyager/ Grand Voyager 4 = Caravan SE/Grand Caravan SE, Voyager SE/Grand Voyager SE 5 = Caravan LE or ES/Grand Caravan LE or ES, Voyager LE/Grand Voyager LE, Town & Country LX 6 = Town & Country LXI
7	Body Style	4 = Long Wheel Base 5 = Short Wheel Base
8	Engine	B = 2.4 L 4 cyl. MPI 16-VALVE DOHC 3 = 3.0 L 6 cyl. gas MPI R = 3.3L 6 cyl. gas MPI L = 3.8 L 6 cyl. gas MPI
9	Check Digit	See explanation in this section.
10	Model Year	V = 1997
11	Assembly Plant	B = St. Louis South R = Windsor
12 thru 17	Sequence Number	6 digit number assigned by assembly plant.

BODY CODE PLATE - LINE 3

DIGITS 1 THROUGH 12

Vehicle Order Number

DIGITS 13 THROUGH 17

Open space

DIGITS 18 AND 19

Vehicle Shell Line

- NS

DIGIT 20

Carline

FWD

- H = Plymouth
- K = Dodge
- S = Chrysler

AWD

- C = Chrysler
- D = Dodge
- P = Plymouth

GENERAL INFORMATION (Continued)

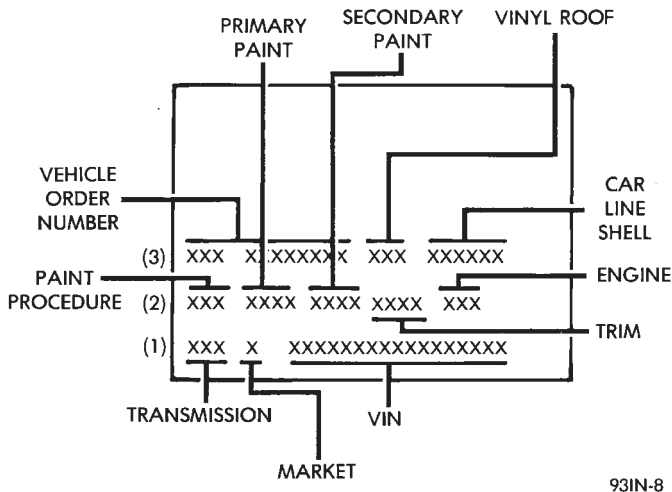


Fig. 3 Body Code Plate

DIGIT 21

- Price Class
- H = Highline
 - L = Lowline
 - P = Premium
 - S = Luxury

DIGITS 22 AND 23

- Body Type
- 52 = Short Wheel Base
 - 53 = Long Wheel Base

BODY CODE PLATE LINE 2

DIGITS 1, 2 AND 3

Paint procedure

DIGIT 4

Open Space

DIGITS 5 THROUGH 8

Primary paint
See Group 23, Body for color codes.

DIGIT 9

Open Space

DIGITS 10 THROUGH 13

Secondary Paint

DIGIT 14

Open Space

DIGITS 15 THROUGH 18

Interior Trim Code

DIGIT 19

Open Space

DIGITS 20, 21, AND 22

- Engine Code
- EDZ = 2.4L 4 cyl. DOHC Gasoline
 - EFA = 3.0L 6 cyl. Gasoline
 - EGA = 3.3L 6 cyl. Gasoline
 - EGH = 3.8L 6 cyl. Gasoline

BODY CODE PLATE LINE 1

DIGITS 1, 2, AND 3

- Transaxle Codes
- DGB = 31TH 3-Speed Automatic Transaxle
 - DGL = 41TE 4-speed Electronic Automatic Transaxle
 - DGM = 31TH 3-Speed Automatic Transaxle

DIGIT 4

Open Space

DIGIT 5

- Market Code
- C = Canada
 - B = International
 - M = Mexico
 - U = United States

DIGIT 6

Open Space

DIGITS 7 THROUGH 23

























- Vehicle Identification Number
- Refer to Vehicle Identification Number (VIN) paragraph for proper breakdown of VIN code.

IF TWO BODY CODE PLATES ARE REQUIRED

The last code shown on either plate will be followed by END. When two plates are required, the last code space on the first plate will indicate (CTD) When a second plate is required, the first four spaces of each line will not be used due to overlap of the plates.

GENERAL INFORMATION (Continued)

INTERNATIONAL CONTROL AND DISPLAY SYMBOLS

					
HIGH BEAM	FOG LIGHTS	HEADLIGHTS, PARKING LIGHTS, PANEL LIGHTS	TURN SIGNAL	HAZARD WARNING	WINDSHIELD WASHER
					
WINDSHIELD WIPER	WINDSHIELD WIPER AND WASHER	WINDSCREEN DEMISTING AND DEFROSTING	VENTILATING FAN	REAR WINDOW DEFOGGER	REAR WINDOW WIPER
					
REAR WINDOW WASHER	FUEL	ENGINE COOLANT TEMPERATURE	BATTERY CHARGING CONDITION	ENGINE OIL	SEAT BELT
					
BRAKE FAILURE	PARKING BRAKE	FRONT HOOD	REAR HOOD (TRUNK)	HORN	LIGHTER

80a53b2d

Fig. 4

INTERNATIONAL VEHICLE CONTROL AND DISPLAY SYMBOLS INTERNATIONAL VEHICLE CONTROL AND DISPLAY SYMBOLS

The graphic symbols illustrated in the following chart (Fig. 4) are used to identify various instrument controls. The symbols correspond to the controls and displays that are located on the instrument panel.

FASTENER IDENTIFICATION

PR606B

FASTENER IDENTIFICATION

THREAD IDENTIFICATION

SAE and metric bolt/nut threads are not the same. The difference is described in the Thread Notation chart (Fig. 5).

GRADE/CLASS IDENTIFICATION

The SAE bolt strength grades range from grade 2 to grade 8. The higher the grade number, the greater the bolt strength. Identification is determined by the line marks on the top of each bolt head. The actual

INCH		METRIC	
5/16-18		M8 X 1.25	
THREAD MAJOR DIAMETER IN INCHES	NUMBER OF THREADS PER INCH	THREAD MAJOR DIAMETER IN MILLIMETERS	DISTANCE BETWEEN THREADS IN MILLIMETERS

Fig. 5 Thread Notation—SAE and Metric

bolt strength grade corresponds to the number of line marks plus 2. The most commonly used metric bolt strength classes are 9.8 and 12.9. The metric strength class identification number is imprinted on the head of the bolt. The higher the class number, the greater the bolt strength. Some metric nuts are imprinted with a single-digit strength class on the nut face. Refer to the Fastener Identification and Fastener Strength Charts.

GENERAL INFORMATION (Continued)

FASTENER IDENTIFICATION

Bolt Markings and Torque - Metric

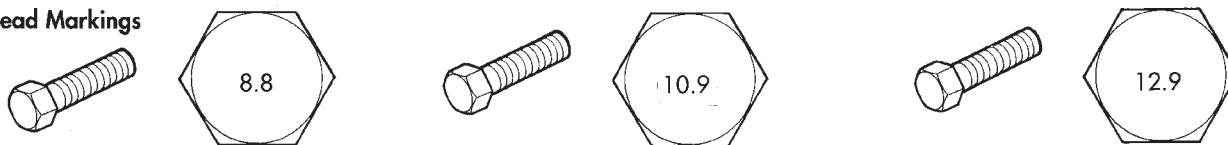
Commercial Steel Class

8.8

10.9

12.9

Bolt Head Markings



Body Size	Torque				Torque				Torque			
	Cast Iron		Aluminum		Cast Iron		Aluminum		Cast Iron		Aluminum	
	Diam. mm	N•m	ft-lb	N•m	ft-lb	N•m	ft-lb	N•m	ft-lb	N•m	ft-lb	N•m
6	9	5	7	4	14	9	11	7	14	9	11	7
7	14	9	11	7	18	14	14	11	23	18	18	14
8	25	18	18	14	32	23	25	18	36	27	28	21
10	40	30	30	25	60	45	45	35	70	50	55	40
12	70	55	55	40	105	75	80	60	125	95	100	75
14	115	85	90	65	160	120	125	95	195	145	150	110
16	180	130	140	100	240	175	190	135	290	210	220	165
18	230	170	180	135	320	240	250	185	400	290	310	230

Bolt Markings and Torque Values - U.S. Customary

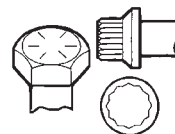
SAE Grade Number

5

8

Bolt Head Markings

These are all SAE Grade 5 (3) line



Bolt Torque - Grade 5 Bolt








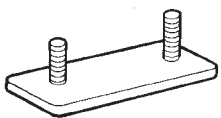


Bolt Torque - Grade 8 Bolt

Body Size	Cast Iron		Aluminum		Cast Iron		Aluminum	
	N•m	ft-lb	N•m	ft-lb	N•m	ft-lb	N•m	ft-lb
1/4 - 20	9	7	8	6	15	11	12	9
- 28	12	9	9	7	18	13	14	10
5/16 - 18	20	15	16	12	30	22	24	18
- 24	23	17	19	14	33	24	25	19
3/8 - 16	40	30	25	20	55	40	40	30
- 24	40	30	35	25	60	45	45	35
7/16 - 14	60	45	45	35	90	65	65	50
- 20	65	50	55	40	95	70	75	55
1/2 - 13	95	70	75	55	130	95	100	75
- 20	100	75	80	60	150	110	120	90
9/16 - 12	135	100	110	80	190	140	150	110
- 18	150	110	115	85	210	155	170	125
5/8 - 11	180	135	150	110	255	190	205	150
- 18	210	155	160	120	290	215	230	170
3/4 - 10	325	240	255	190	460	340	365	270
- 16	365	270	285	210	515	380	410	300
7/8 - 9	490	360	380	280	745	550	600	440
- 14	530	390	420	310	825	610	660	490
1 - 8	720	530	570	420	1100	820	890	660
- 14	800	590	650	480	1200	890	960	710

GENERAL INFORMATION (Continued)

FASTENER STRENGTH

HOW TO DETERMINE BOLT STRENGTH

	Mark	Class		Mark	Class
Hexagon head bolt	 <p>Bolt head No.</p> <p>4 — 4T 5 — 5T 6 — 6T 7 — 7T 8 — 8T 9 — 9T 10 — 10T 11 — 11T</p>		Stud bolt	 <p>No mark</p>	4T
	 <p>No mark</p>	4T			
Hexagon flange bolt w/washer hexagon bolt	 <p>No mark</p>	4T	Welded bolt	 <p>Grooved</p>	6T
Hexagon head bolt	 <p>Two protruding lines</p>	5T			
Hexagon flange bolt w/washer hexagon bolt	 <p>Two protruding lines</p>	6T		4T	
Hexagon head bolt	 <p>Three protruding lines</p>	7T			
Hexagon head bolt	 <p>Four protruding lines</p>	8T			

GENERAL INFORMATION (Continued)

METRIC SYSTEM

WARNING: USE OF AN INCORRECT FASTENER MAY RESULT IN COMPONENT DAMAGE OR PERSONAL INJURY.

Figure art, specifications and torque references in this Service Manual are identified in metric and SAE format.

During any maintenance or repair procedures, it is important to salvage metric fasteners (nuts, bolts, etc.) for reassembly. If the fastener is not salvageable, a fastener of equivalent specification should be used.

The metric system is based on quantities of one, ten, one hundred, one thousand and one million (Fig. 6).

The following chart will assist in converting metric units to equivalent English and SAE units, or vice versa.

Refer to the Conversion Chart to convert torque values listed in metric Newton- meters (N·m). Also, use the chart to convert between millimeters (mm) and inches (in.)

Mega	-	(M) Million	Deci	-	(D) Tenth
Kilo	-	(K) Thousand	Centi	-	(C) Hundreth
		Milli	-		(m) Thousandth

J901N-2

Fig. 6 Metric Prefixes

CONVERSION FORMULAS AND EQUIVALENT VALUES

Multiply	By	To Get	Multiply	By	To Get
in-lbs	x 0.11298	= Newton-Meters (N·m)	N·m	x 8.851	= in-lbs
ft-lbs	x 1.3558	= Newton-Meters (N·m)	N·m	x 0.7376	= ft-lbs
Inches Hg (60°F)	x 3.377	= Kilopascals (kPa)	kPa	x 0.2961	= Inches Hg
psi	x 6.895	= Kilopascals (kPa)	kPa	x 0.145	= psi
Inches	x 25.4	= Millimeters (mm)	mm	x 0.03937	= Inches
Feet	x 0.3048	= Meters (M)	M	x 3.281	= Feet
Yards	x 0.9144	= Meters (M)	M	x 1.0936	= Yards
Miles	x 1.6093	= Kilometers (Km)	Km	x 0.6214	= Miles
mph	x 1.6093	= Kilometers/Hr. (Km/h)	Km/h	x 0.6214	= mph
Feet/Sec.	x 0.3048	= Meters/Sec. (M/S)	M/S	x 3.281	= Feet/Sec.
Kilometers/Hr.	x 0.27778	= Meters/Sec. (M/S)	M/S	x 3.600	= Kilometers/Hr.
mph	x 0.4470	= Meters/Sec. (M/S)	M/S	x 2.237	= mph

COMMON METRIC EQUIVALENTS			
1 Inch = 25 Millimeters	1 Cubic Inch = 16 Cubic Centimeters		
1 Foot = 0.3 Meter	1 Cubic Foot = 0.03 Cubic Meter		
1 Yard = 0.9 Meter	1 Cubic Yard = 0.8 Cubic Meter		
1 Mile = 1.6 Kilometers			

J911N-1

TORQUE REFERENCES

Individual Torque Charts appear at the end of many Groups. Refer to the Standard Torque Specifications Chart for torque references not listed in the individual torque charts.

GENERAL INFORMATION (Continued)

TORQUE SPECIFICATIONS

SPECIFIED TORQUE FOR STANDARD BOLTS

Class	Diameter mm	Pitch mm	Specified torque					
			Hexagon head bolt			Hexagon flange bolt		
			N•m	kgf-cm	ft-lbf	N•m	kgf-cm	ft-lbf
4T	6	1	5	55	48 in.-lbf	6	60	52 in.-lbf
	8	1.25	12.5	130	9	14	145	10
	10	1.25	26	260	19	29	290	21
	12	1.25	47	480	35	53	540	39
	14	1.5	74	760	55	84	850	61
	16	1.5	115	1,150	83	—	—	—
5T	6	1	6.5	65	56 in.-lbf	7.5	75	65 in.-lbf
	8	1.25	15.5	160	12	17.5	175	13
	10	1.25	32	330	24	36	360	26
	12	1.25	59	600	43	65	670	48
	14	1.5	91	930	67	100	1,050	76
	16	1.5	140	1,400	101	—	—	—
6T	6	1	8	80	69 in.-lbf	9	90	78 in.-lbf
	8	1.25	19	195	14	21	210	15
	10	1.25	39	400	29	44	440	32
	12	1.25	71	730	53	80	810	59
	14	1.5	110	1,100	80	125	1,250	90
	16	1.5	170	1,750	127	—	—	—
7T	6	1	10.5	110	8	12	120	9
	8	1.25	25	260	19	28	290	21
	10	1.25	52	530	38	58	590	43
	12	1.25	95	970	70	105	1,050	76
	14	1.5	145	1,500	108	165	1,700	123
	16	1.5	230	2,300	166	—	—	—
8T	8	1.25	29	300	22	33	330	24
	10	1.25	61	620	45	68	690	50
	12	1.25	110	1,100	80	120	1,250	90
9T	8	1.25	34	340	25	37	380	27
	10	1.25	70	710	51	78	790	57
	12	1.25	125	1,300	94	140	1,450	105
10T	8	1.25	38	390	28	42	430	31
	10	1.25	78	800	58	88	890	64
	12	1.25	140	1,450	105	155	1,600	116
11T	8	1.25	42	430	31	47	480	35
	10	1.25	87	890	64	97	990	72
	12	1.25	155	1,600	116	175	1,800	130

INTRODUCTION

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E-MARK LABEL	1		

GENERAL INFORMATION

E-MARK LABEL

An E-mark Label (Fig. 1) is located on the rear shut face of the driver's door. The label contains the following information:

- Date of Manufacture
- Month-Day-Hour (MDH)
- Vehicle Identification Number (VIN)
- Country Codes
- Regulation Number
- Regulation Amendment Number
- Approval Number

Date of Manufacture: 05-95 MDH: 052915			
VIN: XXXXXXXXXXXXXXXXXXXX			
E4	21	0195002	E11
	26	0195001	13
			14
			17
E5	10	010035	39
	11	020011	44
	18	010010	51
	28	010016	79
	46	010019	
	85	000044	
E11	12	030263	E11
			48
			063098
			030169
			040212
			00155
			0244038
			011082
			00155
			005003

Country Code Approval Number
Regulation Number Amendment Number

80a47175

Fig. 1 E-Mark Label

VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) can be viewed through the windshield at the upper left corner of the instrument panel next to the left A-pillar (Fig. 2). The VIN consists of 17 characters in a combination of letters and numbers that provide specific information about the vehicle. Refer to the VIN Decoding Information Table to interpret VIN code.

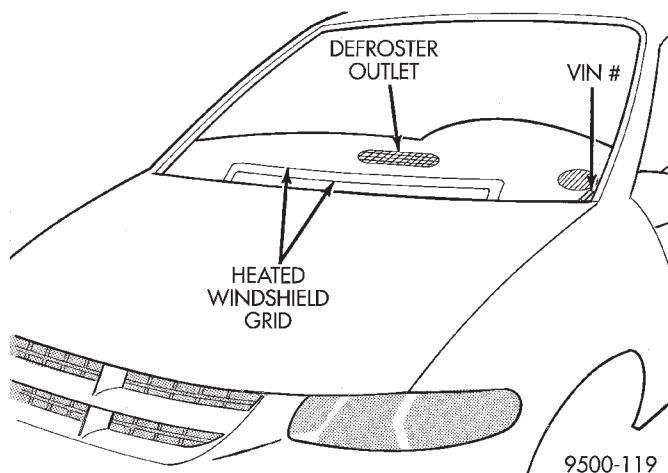


Fig. 2 VIN PLATE LOCATION

VIN CHECK DIGIT

To protect the consumer from theft and possible fraud the manufacturer is required to include a check Digit at the ninth position of the VIN. The check digit is used by the manufacturer and government agencies to verify the authenticity of the vehicle and official documentation. The formula to use the check digit is not released to the general public.

BODY CODE PLATE

LOCATION AND DECODING

The Body Code Plate is located (Fig. 3) in the engine compartment on the radiator closure panel crossmember. There are seven lines of information on the body code plate. Lines 4, 5, 6, and 7 are not used to define service information. Information reads from left to right, starting with line 3 in the center of the plate to line 1 at the bottom of the plate.

BODY CODE PLATE—LINE 3

DIGITS 1 THROUGH 12

Vehicle Order Number

DIGITS 13, 14, AND 15

Open Space

GENERAL INFORMATION (Continued)

VIN DECODING INFORMATION

POSITION	INTERPRETATION	CODE = DESCRIPTION
1	Country of origin	1 = United States or Austria 2 = Canada
2	Make	C = Chrysler D = Dodge
3	Vehicle Type	4 = Multipurpose Pass. Veh.
4	Gross Vehicle Weight Rating	G = 2268-2721 kg (5001-6000 lbs)
5	Car Line	C = Voyager/Grand Voyager AWD Y = Voyager/Grand Voyager FWD
6	Series	4 = Voyager/Grand Voyager SE FWD 5 = Voyager/Grand Voyager LE FWD/AWD 6 = Voyager LX FWD/AWD N = 5-Speed Manual Transmission B = 4-Speed Automatic Transmission
7	Body Style	2 = Short Wheelbase 4-Door 3 = Short Wheelbase 3-Door 4 = Long Wheelbase Premium 4-Door 5 = Long Wheelbase Highline 4-door 7 = Short Wheelbase Commercial Van
8	Engine	B = 2.4 L 4cyl. MPI 16-Valve DOHC C = 2.0L 4cyl. MPI 16-Valve SOHC M = 2.5L 4cyl Turbo Diesel (Intercooler) R = 3.3 L 6 cyl. gas MPI L = 3.8 L 6 cyl. gas MPI
9	Check Digit	See explanation in this section.
10	Model Year	W = 1998
11	Assembly Plant	B = St. Louis South, U.S.A. R = Windsor, Canada U = Graz, Austria
12	Build Sequence	6 Digit number assigned by assembly plant

DIGITS 16, 17, AND 18

Vehicle Shell Car Line

- GSYH = Voyager/Grand Voyager SE FWD
- GSYP = Voyager/Grand Voyager LE FWD
- GSYS = Voyager LX FWD
- GSCP = Voyager/Grand Voyager LE AWD
- GSCS = Voyager LX AWD

DIGIT 19

Price Class

- H = High Line
- P = Premium
- S = Special/Sport

DIGITS 20 AND 21

Body Type

- 52 = Short Wheel Base
- 53 = Long Wheel Base

BODY CODE PLATE—LINE 2

DIGITS 1,2, AND 3

Paint Procedure

DIGIT 4

Open Space

GENERAL INFORMATION (Continued)

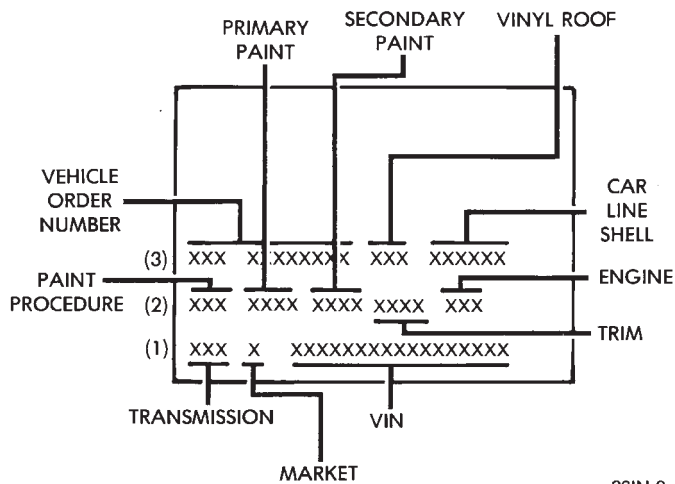


Fig. 3 Body Code Plate

DIGITS 5 THROUGH 8

Primary Paint
See Group 23, Body for color codes.

DIGIT 9

Open Space

DIGITS 10 THROUGH 13

Secondary Paint

DIGIT 14

Open Space

DIGITS 15 THROUGH 18

Interior Trim Code

DIGIT 19

Open Space

DIGITS 20, 21, AND 22

- Engine Code
- ECB = 2.0L 4cyl 16 valve SOHC gasoline
 - EDZ = 2.4 L 4 cyl. 16 valve DOHC gasoline
 - ENC = 2.5 L 4 cyl. Turbo Diesel (Intercooler)
 - EGA = 3.3 L 6 cyl. gasoline
 - EGH = 3.8 L 6 cyl. gasoline

BODY CODE PLATE LINE 1

DIGITS 1, 2, AND 3

- Transaxle Codes
- DGL = 41TE 4-speed Electronic Automatic Transaxle
 - DD3 = A-598 5-speed Manual Transaxle

DIGIT 4

Open Space

DIGIT 5

- Market Code
- B = International
 - M = Mexico

DIGIT 6

Open Space

DIGITS 7 THROUGH 23

Vehicle Identification Number (VIN)
Refer to Vehicle Identification Number (VIN) paragraph for proper breakdown of VIN code.

IF TWO BODY CODE PLATES ARE REQUIRED

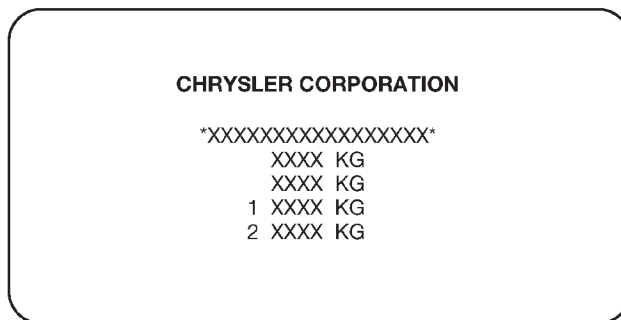
The last code shown on either plate will be followed by END. When two plates are required, the last code space on the first plate will indicate continued (CTD).

When a second plate is required, the first four spaces of each line will not be used due to overlap of the plates.

MANUFACTURER PLATE

The Manufacturer Plate (Fig. 4) is located in the engine compartment on the radiator closure panel crossmember adjacent to the Body Code Plate. The plate contains five lines of information:

1. Vehicle Identification Number (VIN)
2. Gross Vehicle Mass (GVM)
3. Gross Train Mass (GTM)
4. Gross Front Axle Rating (GFAR)
5. Gross Rear Axle Rating (GRAR)



80a47179

Fig. 4 Manufacturer Plate

LUBRICATION AND MAINTENANCE

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GENERAL INFORMATION

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GENERAL INFORMATION

INTRODUCTION

Service and maintenance procedures for components and systems listed in Schedule – A or B can be found by using the Group Tab Locator index at the front of this manual. If it is not clear which group contains the information needed, refer to the index at the back of this manual.

There are two maintenance schedules that show proper service based on the conditions that the vehicle is subjected to.

Schedule – **A**, lists scheduled maintenance to be performed when the vehicle is used for general transportation.

Schedule – **B**, lists maintenance intervals for vehicles that are operated under the conditions listed at the beginning of the Maintenance Schedule section.

Use the schedule that best describes your driving conditions.

Where time and mileage are listed, follow the interval that occurs first.

PARTS AND LUBRICANT RECOMMENDATIONS

When service is required, Chrysler Corporation recommends that only Mopar® brand parts, lubricants and chemicals be used. Mopar provides the best engineered products for servicing Chrysler Corporation vehicles.

INTERNATIONAL SYMBOLS

Chrysler Corporation uses international symbols to identify engine compartment lubricant and fluid inspection and fill locations (Fig. 1).

CHRYSLER CORPORATION			
	ENGINE OIL		BRAKE FLUID
	AUTOMATIC TRANSMISSION FLUID		POWER STEERING FLUID
	ENGINE COOLANT		WINDSHIELD WASHER FLUID

9500-1

Fig. 1 International Symbols

CLASSIFICATION OF LUBRICANTS

Only lubricants that are endorsed by the following organization should be used to service a Chrysler Corporation vehicle.

- Society of Automotive Engineers (SAE)
- American Petroleum Institute (API) (Fig. 2)
- National Lubricating Grease Institute (NLGI) (Fig. 3)

GENERAL INFORMATION (Continued)



9400-9

Fig. 2 API Symbol

ENGINE OIL

SAE VISCOSITY RATING INDICATES ENGINE OIL VISCOSITY

An SAE viscosity grade is used to specify the viscosity of engine oil. SAE 30 specifies a single viscosity engine oil. Engine oils also have multiple viscosities. These are specified with a dual SAE viscosity grade which indicates the cold-to-hot temperature viscosity range.

- SAE 30 = single grade engine oil.
- SAE 10W-30 = multiple grade engine oil.

API QUALITY CLASSIFICATION

The API Service Grade specifies the type of performance the engine oil is intended to provide. The API Service Grade specifications also apply to energy conserving engine oils.

Use engine oils that are API Service Certified. 5W-30 and 10W-30 MOPAR engine oils conform to specifications.

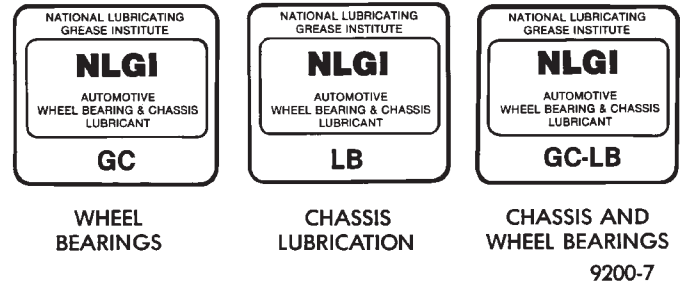
Refer to Group 9, Engine for engine oil specification.

GEAR LUBRICANTS

SAE ratings also apply to multiple grade gear lubricants. In addition, API classification defines the lubricants usage.

LUBRICANTS AND GREASES

Lubricating grease is rated for quality and usage by the NLGI. All approved products have the NLGI symbol (Fig. 3) on the label. At the bottom NLGI symbol is the usage and quality identification letters. Wheel bearing lubricant is identified by the letter "G". Chassis lubricant is identified by the letter "L". The letter following the usage letter indicates the quality of the lubricant. The following symbols indicate the highest quality.



9200-7

Fig. 3 NLGI Symbol

FLUID CAPACITIES

Fuel Tank76 L (20 gal.)
Engine Oil, With Filter4.3 L (4.5 qts.)
Engine Oil, W/O Filter.3.8 L (4.0 qts.)
Cooling System 2.4L Engine9.0 L (9.5 qts.)
Cooling System 3.0L Engine9.5 L (10.5 qts.)
Cooling System 3.3 or 3.8L Engine9.5 L (10.5 qts.)
Automatic Transaxle Service Fill.3.8 L (4.0 qts.)
Automatic Transaxle	
31TH/O-haul Fill8.0 L (8.5 qts.)
Automatic Transaxle	
41TE/O-haul Fill8.6 L (9.1 qts.)
Power Steering0.81 L (1.7 pts.)

MAINTENANCE SCHEDULES

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GENERAL INFORMATION

INTRODUCTION

Service and maintenance procedures for components and systems listed in Schedule – A or B can be found by using the Group Tab Locator index at the front of this manual. If it is not clear which group contains the information needed, refer to the index at the back of this manual.

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Use the schedule that best describes your driving conditions.

Where time and mileage are listed, follow the interval that occurs first.

UNSCHEDULED INSPECTION

At Each Stop for Fuel

- Check engine oil level, add as required.
- Check windshield washer solvent and add if required.

Once a Month

- Check tire pressure and look for unusual wear or damage.
- Inspect battery and clean and tighten terminals as required.
- Check fluid levels of coolant reservoir, brake master cylinder, power steering and transaxle and add as needed.
- Check all lights and all other electrical items for correct operation.
- Check rubber seals on each side of the radiator for proper fit.

At Each Oil Change

- Inspect exhaust system.
- Inspect brake hoses
- Inspect the CV joints and front suspension components
 - Rotate the tires at each oil change interval shown on Schedule – A (7,500 miles) or every other interval shown on Schedule – B (6,000 miles).
 - Check the coolant level, hoses, and clamps.
 - If your mileage is less than 7,500 miles (12 000 km) yearly, replace the engine oil filter at each oil change.
 - Replace engine oil filter on 2.4L engines.

SCHEDULE – A

7,500 Miles (12 000 km) or at 6 months

- Change engine oil.

15,000 Miles (24 000 km) or at 12 months

- Change engine oil.
- Replace engine oil filter.

22,500 Miles (36 000 km) or at 18 months

- Change engine oil.
- Inspect brake linings.

30,000 Miles (48 000 km) or at 24 months

- Change engine oil.
- Change automatic transmission fluid.
- Replace engine oil filter.
- **Replace air cleaner element.**
- Inspect tie rod ends and boot seals.

37,500 Miles (60 000 km) or at 30 months

- Change engine oil.

45,000 Miles (72 000 km) or at 36 months

- Change engine oil.
- Replace engine oil filter.
- Inspect brake linings.
- Flush and replace engine coolant at 36 months, regardless of mileage.

GENERAL INFORMATION (Continued)

52,500 Miles (84 000 km) or at 42 months

- Change engine oil.
- Flush and replace engine coolant if not done at 36 months.

60,000 Miles (96 000 km) or at 48 months

- Change engine oil.
- Replace engine oil filter.
- **Replace air cleaner element.**
- **Check PCV valve and replace, if necessary.**

*

- Inspect serpentine drive belt, replace if necessary.
- Inspect tie rod ends and boot seals.

67,500 Miles (108 000 km) or at 54 months

- Change engine oil.
- Inspect brake linings.

75,000 Miles (120 000 km) or at 60 months

- Change engine oil.
- Replace engine oil filter.
- Inspect serpentine drive belt, replace if necessary. This maintenance is not required if belt was previously replaced.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.

82,500 Miles (132 000 km) or at 66 months

- Change engine oil.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.

90,000 Miles (144 000 km) or at 72 months

- Change engine oil.
- Replace engine oil filter.
- **Replace air cleaner element.**
- **Check PCV valve and replace, if necessary.**

Not required if previously changed. *

- Inspect serpentine drive belt, replace if necessary. This maintenance is not required if belt was previously replaced.
- Inspect tie rod ends and boot seals.
- Inspect brake linings.

97,500 Miles (156 000 km) or at 78 months

- Change engine oil.

100,000 Miles (160,000 km)

- **Replace spark plugs on 3.3L and 3.8L engines.**
- **Replace ignition cables on 3.3L and 3.8L engines.**

105,000 Miles (168 000 km) or at 84 months

- Change engine oil.
- Replace engine oil filter.
- Inspect serpentine drive belt, replace if necessary. This maintenance is not required if belt was previously replaced.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.

112,500 Miles (180 000 km) or at 90 months

- Change engine oil.
- Inspect brake linings.
- Flush and replace engine coolant if it has been 30,000 miles (48 000 km) or 24 months since last change.

120,000 Miles (192 000 km) or at 96 months

- Change engine oil.
- Replace engine oil filter.
- Replace automatic transmission fluid.
- **Replace engine air cleaner element.**
- **Check and replace PCV valve, if necessary.**

*

- Inspect serpentine drive belt. Not required if replaced at 75,000, 90,000 or 105,000 miles.
- Inspect tie rod ends and boot seals.
- * This maintenance is recommended by Chrysler to the owner but is not required to maintain the warranty on the PCV valve.

** If California vehicle, this maintenance is recommended by Chrysler to the owner but is not required to maintain the warranty of the timing belt.

SCHEDULE – B

3,000 Miles (5 000 km)

- Change engine oil.

6,000 Miles (10 000 km)

- Change engine oil.
- Replace engine oil filter.

9,000 Miles (14 000 km)

- Change engine oil.
- Inspect brake linings.

12,000 Miles (19 000 km)

- Change engine oil.
- Replace engine oil filter.

15,000 Miles (24 000 km)

- Change engine oil.
- **Inspect air cleaner element. Replace as necessary.**