Full download: http://manualplace.com/download/chrysler-pt-cruiser-service-manual-2001-2003/

	Introduction		
0	Lubrication & Maintenance		
2	Suspension		
3	Differential & Driveline		
5	Brakes		
6	Clutch		
7	Cooling		
8A	Audio		
8B	Chime/Buzzer		
8E	Electronic Control Modules		
8F	Engine Systems		
8G	Heated Systems		
8H	Horn		
81	Ignition Control		
8J	Instrument Cluster		
8L	Lamps		
8M	Message Systems		
8N	Power Systems		
80	Restraints		
8P	Speed Control		
90	Vehicle Theft Security		
8R	Wipers/Washers		
8W	Wiring		
9	Engine		
11	Exhaust System and Turbocharger		
13	Frame & Bumpers		
14	Fuel System		
19	Steering		
21	Transaxle		
22	Tires/Wheels		
23	Body		
24	Heating & Air Conditioning		
25	Emissions Control		

DIGIT 13 AND 14

Open Space

INTRODUCTION

TABLE OF CONTENTS

page	page
BODY CODE PLATE DESCRIPTION 1 FASTENER IDENTIFICATION DESCRIPTION 2 FASTENER USAGE DESCRIPTION - FASTENER USAGE 5 DESCRIPTION - THREADED HOLE REPAIR 5 INTERNATIONAL SYMBOLS 5 DESCRIPTION 5 METRIC SYSTEM 0 DESCRIPTION 6 TORQUE REFERENCES 0 DESCRIPTION 8	VEHICLE IDENTIFICATION NUMBER DESCRIPTION - VEHICLE IDENTIFICATION NUMBER
DESCRIPTION The Body Code Plate (Fig. 1) is located in the engine compartment on the plenum behind the right side strut tower (Fig. 2). 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 2 DIGITS 1, 2, AND 3 Paint procedure	(a)
DIGIT 4 Open Space DIGITS 5 THROUGH 7 Primary paint (Refer to 23 - BODY/PAINT - SPECIFICATIONS) for Body Color Codes. DIGIT 8 AND 9 Open Space	Fig. 1 BODY CODE PLATE 1 - PRIMARY PAINT 2 - SECONDARY PAINT 3 - VINYL ROOF 4 - VEHICLE ORDER NUMBER 5 - CAR LINE SHELL 6 - PAINT PROCEDURE 7 - ENGINE 8 - TRIM 9 - TRANSMISSION 10 - MARKET 11 - VIN
DIGITS 10 THROUGH 12 Secondary Paint	DIGITS 15 THROUGH 18 Interior Trim Code

DIGIT 19

Open Space

BODY CODE PLATE (Continued)

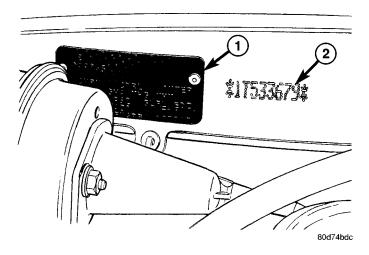


Fig. 2 BODY CODE PLATE 2

- 1 BODY CODE PLATE
- 2 BODY CODE EMBOSS

DIGITS 20, 21, AND 22

Engine Code

- EJD = 1.6L Four Cylinder 16 Valves SOHC Gasoline
- ECC = 2.0L Four Cylinder 16 Valves DOHC Gasoline
 - EDJ = 2.2L Four Cylinder Turbo Diesel Engine
- EDZ = 2.4L Four Cylinder 16 Valves DOHC Gasoline
- EDV = 2.4L Four Cylinder 16 Valves DOHC H.O. Turbo Gasoline

DIGIT 23

Open Space

BODY CODE PLATE LINE 1

DIGITS 1, 2, AND 3

Transaxle Codes

- DGL = 41TE 4-Speed Electronic Automatic Transaxle
 - DD5 = NV T350 5-Speed Manual Transaxle
 - DDD = GETRAG 288 5-Speed Manual Transaxle

DIGIT 4

Open Space

DIGIT 5

Market Code

- \bullet C = Canada
- B = International
- M = Mexico
- U = United States

DIGIT 6

Open Space

DIGITS 7 THROUGH 23

Vehicle Identification Number

• (Refer to VEHICLE DATA/VEHICLE INFOR-MATION/VEHICLE IDENTIFICATION NUMBER - DESCRIPTION) 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.

FASTENER IDENTIFICATION

DESCRIPTION

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 bolt strength grade corresponds to the number of line marks plus 2. The most commonly used metric bolt strength classes are 9.8 and 10.9. 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 (Fig. 3) and (Fig. 4).

FASTENER IDENTIFICATION (Continued)

Bolt Markings and Torque - Metric

Commercial Steel Class 9.8	10.9	12.9
Bolt Head Markings 9.8	10.9	12.9

Body Size		To	rque			Tor	que		Torque					
Diam.	Cast	t Iron	Alumi	num	Cas	t Iron	Alum	ninum	Cast Iron		Aluminum			
mm	N•m	ft-lb	N∙m	ft-lb	N∙m	ft-lb	N∙m	ft-lb	N∙m	ft-lb	N∙m	ft-lb		
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	<i>7</i> 0	50	55	40		
12	70	55	55	40	105	<i>7</i> 5	80	60	125	95	100	<i>7</i> 5		
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





		Ì	$\stackrel{\star}{\leadsto}$							
		Bolt Torque	e - Grade 5 B	de 5 Bolt Bolt Torque - Gr				rade 8 Bolt		
Body Size	Cas	Cast Iron		ninum	Cast	Cast Iron		inum		
	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	1 <i>7</i>	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	<i>7</i> 5	55		
1/2 - 13	95	70	<i>7</i> 5	55	130	95	100	<i>7</i> 5		
- 20	100	<i>75</i>	80	60	1 <i>5</i> 0	110	120	90		
9/16 - 12	135	100	110	80	190	140	150	110		
- 18	150	110	115	85	210	155	1 <i>7</i> 0	125		
5/8 - 11	180	135	150	110	255	190	205	1 <i>5</i> 0		
- 18	210	155	160	120	290	215	230	1 <i>7</i> 0		
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	<i>7</i> 20	530	<i>57</i> 0	420	1100	820	890	660		
- 14	800	590	650	480	1200	890	960	710		

3

FASTENER IDENTIFICATION (Continued)

HOW TO DETERMINE BOLT STRENGTH

	Mark	Class		Mark	Class
Hexagon head bolt	Bolt 6— head No. 7— 8— 9— 10— 11—	4T 5T 6T 7T 8T 9T 10T	Stud bolt	No mark	4 T
	No mark	4 T			
Hexagon flange bolt w/washer hexagon bolt	No mark	4 T		Grooved	6 T
Hexagon head bolt	Two protruding lines	51			
Hexagon flange bolt w/washer hexagon bolt	Two protruding lines	6T	Welded bolt		
Hexagon head bolt	Three protruding lines	71			4 T
Hexagon head bolt	Four protruding lines	8T			

T -----INTRODUCTION

FASTENER USAGE

DESCRIPTION

DESCRIPTION - FASTENER USAGE

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

Fasteners and torque specifications references in this Service Manual are identified in metric and SAE format.

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

DESCRIPTION - THREADED HOLE REPAIR

Most stripped threaded holes can be repaired using a Helicoil[®]. Follow the vehicle or Helicoil[®] recommendations for application and repair procedures.

INTERNATIONAL SYMBOLS

DESCRIPTION

The graphic symbols illustrated in the following International Control and Display Symbols Chart (Fig. 5) are used to identify various instrument controls. The symbols correspond to the controls and displays that are located on the instrument panel.

≣ ○	# <u>O</u>	- <mark>`</mark> -	♦	5	(-()- @
7	8	9	10	11	12
45.45					
13	14	15	- +	17	18

80be4788

5

Fig. 5 INTERNATIONAL CONTROL AND DISPLAY SYMBOLS

High Beam 13 Rear Window Washer 2 Fog Lamps 14 Fuel 3 Headlamp, Parking Lamps, Panel Lamps 15 **Engine Coolant Temperature** Turn Warning 16 Battery Charging Condition 5 Hazard Warning 17 **Engine Oil** Windshield Washer Seat Belt 6 18 Windshield Wiper 19 Brake Failure 8 Windshield Wiper and Washer 20 Parking Brake 9 Windscreen Demisting and Defrosting 21 Front Hood Rear hood (Decklid) 10 Ventilating Fan 22 Rear Window Defogger 23 11 Horn Rear Window Wiper Lighter 12

6 INTRODUCTION — PT

METRIC SYSTEM

DESCRIPTION

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

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

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)	М	x 3.281	= Feet
Yards	x 0.9144	= Meters	М	x 1.0936	= Yards
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
mph	x 0.4470	= Meters/Sec (M/S)	M/S	x 2.237	= mph
Kilometers/Hr. (Km/h)	x 0.27778	= Meters/Sec (M/S)	M/S	x 3.600	Kilometers/Hr. (Km/h)

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	

Refer to the Metric Conversion Chart to convert torque values listed in metric Newton- meters $(N \cdot m)$.

Also, use the chart to convert between millimeters (mm) and inches (in.) (Fig. 6).

METRIC SYSTEM (Continued)

in-lbs to N•m

N•m to in-lbs

in-1b	N∙m	in-lb	N∙m	in-lb	N∙m	in-lb	N∙m	in-lb	N∙m	N∙m	in-lb	N∙m	in-lb	N∙m	in-lb	N∙m	in-lb	N•m	in-lb
2 4 6 8 10 12	.2260 .4519 .6779 .9039 1.1298 1.3558 1.5818	42 44 46 48 50 52 54	4.7453 4.9713 5.1972 5.4232 5.6492 5.8751 6.1011	82 84 86 88 90 92 94	9.2646 9.4906 9.7165 9.9425 10.1685 10.3944 10.6204	122 124 126 128 130 132 134	13.7839 14.0099 14.2359 14.4618 14.6878 14.9138 15.1397	162 164 166 168 170 172 174	18.3032 18.5292 18.7552 18.9811 19.2071 19.4331 19.6590	.2 .4 .6 .8 1 1.2 1.4 1.6	1.7702 3.5404 5.3107 7.0809 8.8511 10.6213 12.3916 14.1618	N•m 4.2 4.4 4.6 4.8 5 5.2 5.4 5.6	37.1747 38.9449 40.7152 42.4854 44.2556 46.0258 47.7961 49.5663	8.2 8.4 8.6 8.8 9 9.2 9.4	72.5792 74.3494 76.1197 77.8899 79.6601 81.4303 83.2006 84.9708	12.2 12.4 12.6 12.8 13 13.2 13.4	in-lb 107.9837 109.7539 111.5242 113.2944 115.0646 116.8348 118.6051 120.3753	16.2 16.4 16.6 16.8 17 17.2 17.4	
16 18 20 22 24 26 28 30 32 34 36 38 40	1.8077 2.0337 2.2597 2.4856 2.7116 2.9376 3.1635 3.3895 3.6155 3.8414 4.0674 4.2934 4.5193	58 60 62 64 66 68 70 72 74 76 78	6.3270 6.5530 6.7790 7.0049 7.2309 7.4569 7.6828 7.9088 8.1348 8.3607 8.5867 8.8127 9.0386	102 104 106 108 110 112 114 116 118	10.8464 11.0723 11.2983 11.5243 11.7502 11.9762 12.2022 12.4281 12.6541 12.8801 13.1060 13.3320 13.5580	138 140 142 144 146 150 152 154 156 158	15.3657 15.5917 15.8176 16.0436 16.2696 16.4955 16.7215 16.9475 17.1734 17.3994 17.6253 17.8513 18.0773	178 180 182 184 186 188 190 192 194 196 198	19.8850 20.1110 20.3369 20.5629 20.7889 21.0148 21.2408 21.4668 21.6927 21.9187 22.1447 22.3706 22.5966	1.6 1.8 2 2.2 2.4 2.6 2.8 3.2 3.4 3.6 3.8 4	15.9320 17.7022 19.4725 21.2427 23.0129 24.7831 26.5534 28.3236 30.0938 31.8640	5.8 6 6.2 6.4 6.6 6.8 7 7.2 7.4 7.6 7.8	49.3063 51.3365 53.1067 54.8770 56.6472 58.4174 60.1876 61.9579 63.7281 65.4983 67.2685 69.0388 70.8090	9.8 10 10.2 10.4 10.6 10.8 11 11.2 11.4 11.6 11.8	86.7410 88.5112 90.2815 92.0517 93.8219 97.3624 99.1326 100.9028 102.6730 104.4433 106.2135	13.8 14 14.2 14.4 14.6 14.8 15 15.2 15.4 15.6 15.8	122.1455 123.9157 125.6860 127.4562 129.2264 130.9966 132.7669 134.5371 136.3073 138.0775 139.8478 141.6180	17.8 18.5 19.5 20 20.5 21 22 23 24	157.5500 159.3202 163.7458 168.1714 172.5970 177.0225 181.4480 185.8736 194.7247 203.5759 212.4270 221.2781

ft-lbs to N•m

Nom to ft-lbs

ft-lb	N∙m	ft-lb	N∙m	ft-1b	N∙m	ft-lb	N∙m	ft-lb	N∙m	N∙m	ft-lb								
T ₁	1.3558	21	28.4722	41	55.5885	61	82.7049	81	109.8212	1	.7376	21	15.9888	41	30.2400	61	44.9913	81	59.7425
2	2.7116	22	29.8280	42	56.9444	62	84.0607	82	111.1770	2	1.4751	22	16.2264	42	30.9776	62	45.7289	82	60.4801
3	4.0675	23	31.1838	43	58.3002	63	85,4165	83	112.5328	3	2.2127	23	16,9639	43	31.7152	63	46.4664	83	61.21 <i>77</i>
4	5.4233	24	32.5396	44	59.6560	64	86.7723	84	113.8888	4	2.9502	24	17.7015	44	32.4527	64	47.2040	84	61.9552
5	6.7791	25	33.8954	45	61.0118	65	88.1281	85	115.2446	5	3.6878	25	18.4391	45	33.1903	65	47.9415	85	62.6928
6	8.1349	26	35.2513	46	62.3676	66	89.4840	86	116.6004	6	4.4254	26	19.1766	46	33.9279	66	48.6791	86	63.4303
7	9.4907	27	36.6071	47	63.7234	67	90.8398	87	117.9562	7	5.1629	27	19.9142	47	34.6654	67	49.4167	87	64.1679
8	10.8465	28	37.9629	48	65.0793	68	92,1956	88	119.3120	8	5.9005	28	20.6517	48	35.4030	68	50.1542	88	64.9545
9	12.2024	29	39.3187	49	66.4351	69	93.5514	89	120.6678	9	6.6381	29	21.3893	49	36.1405	69	50.8918	89	65.6430
10	13.5582	30	40.6745	50	67.7909	70	94,9073	90	122.0236	10	7.3756	30	22.1269	50	36.8781	70	51.6293	90	66.3806
11	14.9140	31	42.0304	51	69.1467	71	96.2631	91	123.3794	11	8.1132	31	22.8644	51	37.6157	71	52.3669	91	67.1181
12	16.2698	32	43.3862	52	70.5025	72	97.6189	92	124.7352	12	8.8507	32	23.6020	52	38.3532	72	53.1045	92	67.8557
13	17.6256	33	44.7420	53	71.8583	73	98.9747	93	126.0910	.13	9.5883	33	24.3395	53	39.0908	73	53.8420	93	68.5933
14	18.9815	34	46.0978	54	73.2142	74	100.3316	94	127.4468	14	10.3259	34	25.0771	54	39.8284	74	54.5720	94	69.3308
15	20.3373	35	47.4536	55	74.5700	75	101.6862	95	128.8026	15	11.0634	35	25.8147	55	40.5659	75	55.3172	95	70.0684
16	21.6931	36	48.8094	56	75.9258	76	103.0422	96	130.1586	16	11.8010	36	26.5522	56	41.3035	76	56.0547	96	70.8060
17	23.0489	37	50.1653	57	77.2816	77	104.3980	97	131.5144	17	12.5386	37	27.2898	57	42.0410	77	56.7923	97	71.5435
18	24.4047	38	51.5211	58	78.6374	78	105.7538	98	132.8702	18	13.2761	38	28.0274	58	42.7786	78	57.5298		72.2811
19	25.7605	39	52.8769	59	79.9933	79	107.1196	99	134.2260	19	14.0137	39	28.7649	59	43.5162	79	58.2674	99	73.0187
20	27.1164	40	54.2327	60	81.3491	80	108.4654	100	135.5820	20	14.7512	40	29.5025	60	44.2537	80	59.0050	100	73.7562

in. to mm

mm to in.

in.	mm	in.	mm	in.	mm	in.	mm ·	in.	mm	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.
.01	.254	.21	5.334	.41	10.414	.61	15.494	.81	20.574	.01	.00039	.21	.00827	.41	.01614	.61	.02402	.81	.03189
.02	.508	.22	5.588	.42	10.668	.62	15.748	.82	20.828	.02	.00079	.22	.00866	.42	.01654	.62	.02441	.82	.03228
.03	.762	.23	5.842	.43	10.922	.63	16.002	.83	21.082	.03	.00118	.23	.00906	.43	.01693	.63	.02480	.83	.03268
.04	1.016	.24	6.096	.44	11.1 <i>7</i> 6	.64	16.256	.84	21.336	.04	.00157	.24	.00945	.44	.01732	.64	.02520	.84	.03307
.05	1.270	.25	6.350	.45	11.430	.65	16.510	.85	21.590	.05	.00197	.25	.00984	.45	.01 <i>77</i> 2	.65	.02559	.85	.03346
.06	1.524	.26	6.604	.46	11.684	.66	16.764	.86	21.844	.06	.00236	.26	.01024	.46	.01811	.66	.02598	.86	.03386
.07	1.778	.27	6.858	.47	11.938	.67	17.018	.87	22.098	.07	.00276	.27	.01063	.47	.01850	.67	.02638	.87	.03425
.08	2.032	.28	7.112	.48	12.192	.68	17.272	.88	22.352	.08	.00315	.28	.01102	.48	.01890	.68	.02677	.88	.03465
.09	2.286	.29	7.366	.49	12.446	.69	17.526	.89	22.606	.09	.00354	.29	.01142	.49	.01929	.69	.02717	.89	.03504
.10	2.540	.30	7.620	.50	12.700	.70	17.780	.90	22.860	.10	.00394	.30	.01181	.50	.01969	.70	.02756	.90	.03543
.11	2.794	.31	7.874	.51	12.954	.71	18.034	.91	23.114	.11	.00433	.31	.01220	.51	.02008	.71	.02795	.91	.03583
.12	3.048	.32	8.128	.52	13.208	.72	18.288	.92	23.368	.12	.00472	.32	.01260	.52	.02047	.72	.02835	.92	.03622
.13	3.302	.33	8.382	.53	13.462	.73	18.542	.93	23.622	.13	.00512	.33	.01299	.53	.02087	.73	.02874	.93	.03661
.14	3.556	.34	8.636	.54	13.716	.74	18.796	.94	23.876	.14	.00551	.34	.01339	.54	.02126	.74	.02913	.94	.03701
.15	3.810	.35	8.890	.55	13.970	.75	19.050	.95	24.130	.15	.00591	.35	.01378	.55	.02165	.75	.02953	.95	.03740
.16	4.064	.36	9.144	.56	14.224	.76	19.304	.96	24.384	.16	.00630	.36	.01417	.56	.02205	.76	.02992	.96	.03780
.17	3.318	.37	9.398	.57	14.478	.77	19.558	.97	24.638	.17	.00669	.37	.01457	.57	.02244	.77	.03032	.97	.03819
.18	4.572	.38	9.652	.58	14.732	.78	19.812	.98	24.892	.18	.00709	.38	.01496	.58	.02283	.78	.03071	.98	.03858
.19	4.826	.39	9.906	.59	14.986	.79	20.066	.99	25.146	.19	.00748	.39	.01535	.59	.02323	.79	.03110	.99	.03898
.20	5.080	.40	10.160	.60	15.240	.80	20.320	1.00	25.400	.20	.00787	.40	.01 <i>5</i> 75	.60	.02362	.80	.03150	1.00	.03937

8 INTRODUCTION — PT

TORQUE REFERENCES

tions Chart for torque references not listed in the individual torque charts (Fig. 7).

DESCRIPTION

Individual Torque Charts appear within many or the Groups. Refer to the Standard Torque Specifica-

SPECIFIED TORQUE FOR STANDARD BOLTS

						ed torque	- Jones	
Class	Diameter	Pitch		Hexagon head b		H	exagon flange	
	mm	mm	N∙m	kgf-cm	ft-lbf	N∙m	kgf-cm	ft-lbf
	6	1	5	55	48 inlbf	6	60	52 inlbf
	8	1.25	12.5	130	9	14	145	10
4 T	10	1.25	26	260	19	29	290	21
	12	1.25	47	480	35	53	540	39
	14	1.5	74	<i>7</i> 60	55	84	850	61
	16	1.5	115	1,150	83	_	_	
**	6	1	6.5	65	56 inlbf	7.5	<i>7</i> 5	65 inlbf
	8	1.25	15.5	160	12	17.5	1 <i>7</i> 5	13
5 T	10	1.25	32	330	24	36	360	26
	12	1.25	59	600	43	65	<i>67</i> 0	48
	14	1.5	91	930	67	100	1,050	<i>7</i> 6
	16	1.5	140	1,400	101	_	· -	
	6	1	8	80	69 inlbf	9	90	78 inlbf
	8	1.25	19	195	14	21	210	1 <i>5</i>
6T	10	1.25	39	400	29	44	440	32
	12	1.25	<i>7</i> 1	730	53	80	810	59
	14	1.5	110	1,100	80	125	1,250	90
	16	1.5	170	1,750	127	_	· <u> </u>	_
	6	1	10.5	110	8	12	120	9
	8	1.25	25	260	19	28	290	21
<i>7</i> T	10	1.25	52	530	38	58	590	43
	12	1.25	95	<i>97</i> 0	<i>7</i> 0	105	1,050	76
	14	1.5	145	1 <i>,5</i> 00	108	165	1 <i>,7</i> 00	123
	16	1.5	230	2,300	166		· <u> </u>	
	8	1.25	29	300	22	33	330	24
8T	10	1.25	61	620	45	68	690	50
	12	1.25	110	1,100	80	120	1,250	90
	8	1.25	34	340	25	37	380	27
9T	10	1.25	70	710	51	78	790	57
	12	1.25	125	1,300	94	140	1,450	105
	8	1.25	38	390	28	42	430	31
10T	10	1.25	<i>7</i> 8	800	58	88	890	64
	12	1.25	140	1,450	105	155	1,600	116
	8	1.25	42	430	31	47	480	35
117	10	1.25	87	890	64	97	990	72
	12	1.25	155	1,600	116	175	1,800	130

Fig. 7 TORQUE SPECIFICATIONS

VEHICLE IDENTIFICATION NUMBER

DESCRIPTION - VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) is located on the upper left corner of the instrument panel, near the left A-Pillar. The VIN consists of 17 characters in a combination of letters and numbers that provide specific information about the vehicle (Fig. 8). Refer to VIN Code Decoding Chart.

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.

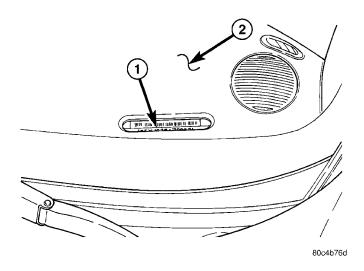


Fig. 8 VEHICLE IDENTIFICATION NUMBER LOCATION

- 1 Vehicle Identification Number (VIN)
- 2 Instrument Panel

VIN CODE DECODING

POSITION	INTERPRETATION	CODE = DESCRIPTION					
1	Country of Origin	1 = Built in United States by DiamlerChrysler					
		3 = Built in Mexico by DiamlerChrysler De Mexico					
2	Make	C = Chrysler					
3	Vehicle Type	4 = Multi-purpose Passenger Vehicle Less Side Air Bags					
	verlide Type	8 = Multi-purpose Passenger Vehicle with Side Air Bags					
4	Other	F = 1815 - 2267 KG (4000 - 5000 lbs.)					
5	Line	Y = Cruiser (LHD)					
5 - Export	Line	E = Cruiser (LHD)					
3 - Export	Line	Z = Cruiser (RHD)					
		4 = High Line					
6	Series	5 = Premium					
	Selles	6 = Sport					
		X = Special					
6 - Export	Transmission	B = 4-Speed Automatic					
0 - Export	Transmission	N = 5-Speed Manual					
7	Body Style	8 = Hatchback					
		9 = 2.0L 4 Cyl. Gasoline DOHC (MPI)					
8	Engine	B = 2.4 L 4 Cyl. 16 Valve Gasoline DOHC					
		G = 2.4 L 4 Cyl. 16 Valve Gasoline DOHC H.O.					
		F = 1.6L 4 Cyl. 16V Gasoline SOHC					
8 - Export	Engine	9 = 2.0L 4 Cyl. Gasoline DOHC (MPI)					
		U = 2.2L 4 Cyl. Turbo Diesel Engine (MPI)					
9	Check Digit	See explanation in this section.					
10	Model Year	3 = 2003					
11	Assembly Plant	T = Toluca Assembly					
''	Assembly Flant	U = Graz Assembly					
12 Though 17	Vehicle Build Sequence	6 digit number assigned by assembly plant.					

VEHICLE SAFETY CERTIFICATION LABEL

DESCRIPTION

A vehicle safety certification label is attached to the rear shutface of the driver's door (Fig. 9). 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.

All communications or inquiries regarding the vehicle should include the Month-Day-Hour and Vehicle Identification Number.



8086df7b

Fig. 9 VEHICLE SAFETY CERTIFICATION LABEL - TYPICAL

E-MARK LABEL

DESCRIPTION

An E-mark Label (Fig. 10) 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

VECLLABEL

DESCRIPTION

All models have a Vehicle Emission Control Information (VECI) Label. Chrysler permanently attaches

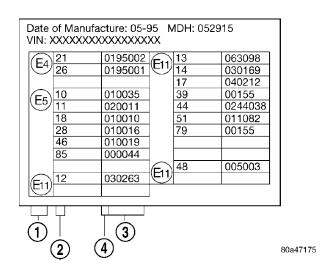


Fig. 10 E-MARK LABEL

- 1 COUNTRY CODE
- 2 REGULATION NUMBER
- 3 APPROVAL NUMBER
- 4 AMENDMENT NUMBER

the label in the engine compartment. It cannot be removed without defacing information and destroying the label.

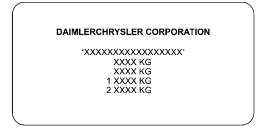
The label contains the vehicle's emission specifications and vacuum hose routings. All hoses must be connected and routed according to the label.

MANUFACTURER PLATE

DESCRIPTION

The Manufacturer Plate (Fig. 11) is located in the engine compartment on the passenger side rear corner of the hood. 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)



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Fig. 11 MANUFACTURER PLATE

page

LUBRICATION & MAINTENANCE

TABLE OF CONTENTS

page

ı ĕ	1 0
INTERNATIONAL SYMBOLS	LUBRICATION POINTS
DESCRIPTION1	DESCRIPTION5
FLUID TYPES	MAINTENANCE SCHEDULES
DESCRIPTION	DESCRIPTION5
DESCRIPTION - ENGINE OIL AND	HOISTING
LUBRICANTS1	STANDARD PROCEDURE - HOISTING14
DESCRIPTION - ENGINE COOLANT3	JUMP STARTING
DESCRIPTION - TRANSMISSION FLUID3	STANDARD PROCEDURE - JUMP
DESCRIPTION - FUEL REQUIREMENTS3	STARTING14
FLUID CAPACITIES	TOWING
SPECIFICATIONS - FLUID CAPACITIES5	STANDARD PROCEDURE - TOWING15
FLUID FILL/CHECK LOCATIONS	
DESCRIPTION5	

INTERNATIONAL SYMBOLS

DESCRIPTION

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

45	ENGINE OIL		BRAKE FLUID
July Kr	AUTOMATIC TRANSMISSION FLUID	\bigcirc	POWER STEERING FLUID
	ENGINE COOLANT	\bigoplus	WINDSHIELD WASHER FLUID

8097ddbd

FIG. 1 INTERNATIONAL SYMBOLS
FLUID TYPES

DESCRIPTION

DESCRIPTION - ENGINE OIL AND LUBRICANTS

WARNING: NEW OR USED ENGINE OIL CAN BE IRRITATING TO THE SKIN. AVOID PROLONGED OR REPEATED SKIN CONTACT WITH ENGINE OIL.

CONTAMINANTS IN USED ENGINE OIL, CAUSED BY INTERNAL COMBUSTION, CAN BE HAZARDOUS TO YOUR HEALTH. THOROUGHLY WASH EXPOSED SKIN WITH SOAP AND WATER. DO NOT WASH SKIN WITH GASOLINE, DIESEL FUEL, THINNER, OR SOLVENTS, HEALTH PROBLEMS CAN RESULT. DO NOT POLLUTE, DISPOSE OF USED ENGINE OIL PROPERLY. CONTACT YOUR DEALER OR GOVERNMENT AGENCY FOR LOCATION OF COLLECTION CENTER IN YOUR AREA.

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

Only lubricants bearing designations defined by the following organization should be used.

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

API SERVICE GRADE CERTIFIED

Use an engine oil that is API Certified (GF-3). MOPAR $^{\circledast}$ provides engine oils, meeting Material Standard MS-6395, that meet or exceed this requirement.

SAE VISCOSITY

An SAE viscosity grade is used to specify the viscosity of engine oil. Use only engine oils with multiple viscosities such as 5W-30 or 10W-30. These are specified with a dual SAE viscosity grade which indicates the cold-to-hot temperature viscosity range. Select an engine oil that is best suited to your particular temperature range and variation (Fig. 2).

• **SAE 5W-30** engine oil is preferred. SAE 5W-30 engine oils improve low temperature starting and helps vehicle fuel economy.

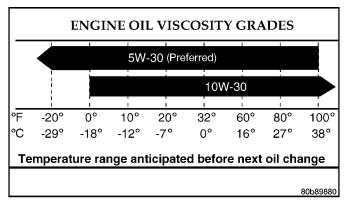


Fig. 2 TEMPERATURE/ENGINE OIL VISCOSITY
ENERGY CONSERVING OIL

An Energy Conserving type oil is recommended for gasoline engines. The designation of ENERGY CONSERVING is located on the label of an engine oil container.

CONTAINER IDENTIFICATION

Standard engine oil identification notations have been adopted to aid in the proper selection of engine oil. The identifying notations are located on the front label of engine oil plastic bottles and the top of engine oil cans (Fig. 3).

This symbol means that the oil has been certified by the American Petroleum Institute (API). Diamler-Chrysler only recommends API Certified (GF-3) engine oils that meet the requirements of Material Standard MS-6395. Use Mopar or an equivalent oil meeting the specification MS-6395.



SYNTHETIC ENGINE OILS

There are a number of engine oils being promoted as either synthetic or semi-synthetic. If you chose to use such a product, use **only** those oils that meet the American Petroleum Institute (API) and SAE viscosity standard. Follow the service schedule that describes your driving type.

MATERIALS ADDED TO ENGINE OIL

The manufacturer **does not recommend** the addition of any additive to the specified engine oil.

GEAR LUBRICANTS

SAE ratings also apply to multigrade gear lubricants. In addition, API classification defines the lubricants usage. Such as API GL-5 and SAE 75W-90

LUBRICANTS AND GREASES

Lubricating grease is rated for quality and usage by the NLGI. All approved products have the NLGI symbol (Fig. 4) 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 latter "L". The letter following the usage letter indicates the quality of the lubricant. The following symbols indicate the highest quality.

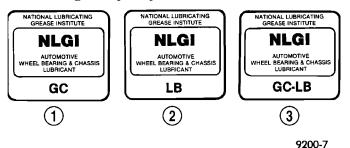


Fig. 4 NLGI SYMBOL

- 1 WHEEL BEARINGS
- 2 CHASSIS LUBRICATION
- 3 CHASSIS AND WHEEL BEARINGS

SPECIALIZED LUBRICANTS AND OILS

Some maintenance or repair procedures may require the use of specialized lubricants or oils. Consult the appropriate sections in this manual for the correct application of these lubricants.

9400-9

DESCRIPTION - ENGINE COOLANT

WARNING: ANTIFREEZE IS AN ETHYLENE GLYCOL BASE COOLANT AND IS HARMFUL IF SWAL-LOWED OR INHALED. IF SWALLOWED, DRINK TWO GLASSES OF WATER AND INDUCE VOMIT-ING. IF INHALED, MOVE TO FRESH AIR AREA. SEEK MEDICAL ATTENTION IMMEDIATELY. DO NOT STORE IN OPEN OR UNMARKED CONTAINERS. WASH SKIN AND CLOTHING THOROUGHLY AFTER COMING IN CONTACT WITH ETHYLENE GLYCOL. KEEP OUT OF REACH OF CHILDREN. DISPOSE OF GLYCOL BASE COOLANT PROPERLY. CONTACT YOUR DEALER OR GOVERNMENT AGENCY FOR LOCATION OF COLLECTION CENTER IN YOUR AREA. DO NOT OPEN A COOLING SYSTEM WHEN THE ENGINE IS AT OPERATING TEMPERATURE OR HOT UNDER PRESSURE, PERSONAL INJURY CAN RESULT. AVOID RADIATOR COOLING FAN WHEN ENGINE COMPARTMENT RELATED SERVICE IS PERFORMED, PERSONAL INJURY CAN RESULT.

CAUTION: Use of Propylene Glycol based coolants is not recommended, as they provide less freeze protection and less boiling protection.

The cooling system is designed around the coolant. The coolant must accept heat from engine metal, in the cylinder head area near the exhaust valves and engine block. Then coolant carries the heat to the radiator where the tube/fin radiator can transfer the heat to the air.

The use of aluminum cylinder blocks, cylinder heads, and water pumps requires special corrosion protection. Mopar® Antifreeze/Coolant, 5 Year/100,000 Mile Formula (MS-9769), or the equivalent ethylene glycol base coolant with hybrid organic corrosion inhibitors (called HOAT, for Hybrid Organic Additive Technology) is recommended. This coolant offers the best engine cooling without corrosion when mixed with 50% Ethylene Glycol and 50% distilled water to obtain a freeze point of -37°C (-35°F). If it loses color or becomes contaminated, drain, flush, and replace with fresh properly mixed coolant solution.

The green coolant **MUST NOT BE MIXED** with the orange or magenta coolants. When replacing coolant the complete system flush must be performed before using the replacement coolant.

CAUTION: Mopar® Antifreeze/Coolant, 5 Year/100,000 Mile Formula (MS-9769) may not be mixed with any other type of antifreeze. Doing so will reduce the corrosion protection and may result in premature water pump seal failure. If non-HOAT coolant is introduced into the cooling system in an

emergency, it should be replaced with the specified coolant as soon as possible.

DESCRIPTION - TRANSMISSION FLUID

NOTE: Refer to the maintenance schedules in the Owner's Manual for the recommended maintenance (fluid/filter change) intervals for this transaxle.

NOTE: All transaxles have a common transmission and differential sump. Filling the transaxle accommodates the differential as well.

TRANSMISSION FLUID

Mopar® ATF+4 (Automatic Transmission Fluid-Type 9602) is required in the 41TE automatic. Substitute fluids can induce torque converter clutch shudder.

Mopar® ATF+4 (Automatic Transmission Fluid-Type 9602) when new is red in color. The ATF is dyed red so it can be identified from other fluids used in the vehicle such as engine oil or antifreeze. The red color is not permanent and is not an indicator of fluid condition. As the vehicle is driven, the ATF will begin to look darker in color and may eventually become brown. **This is normal.** A dark brown/black fluid accompanied with a burnt odor and/or deterioration in shift quality may indicate fluid deterioration or transmission component failure.

G288 and T350 Manual transaxles require the use of Mopar $^{\circledR}$ ATF+4 (Automatic Transmission Fluid)

FLUID ADDITIVES

DaimlerChrysler strongly recommends against the addition of any fluids to the transmission, other than those automatic transmission fluids listed above. Exceptions to this policy are the use of special dyes to aid in detecting fluid leaks.

Various "special" additives and supplements exist that claim to improve shift feel and/or quality. These additives and others also claim to improve converter clutch operation and inhibit overheating, oxidation, varnish, and sludge. These claims have not been supported to the satisfaction of DaimlerChrysler and these additives **must not be used.** The use of transmission "sealers" should also be avoided, since they may adversely affect the integrity of transmission seals.

DESCRIPTION - FUEL REQUIREMENTS

Your engine is designed to meet all emissions regulations and provide excellent fuel economy and performance when using high quality unleaded gasoline having an octane rating of 87. The use of premium gasoline is not recommended. The use of premium

gasoline will provide no benefit over high quality regular gasoline, and in some circumstances may result in poorer performance.

Light spark knock at low engine speeds is not harmful to your engine. However, continued heavy spark knock at high speeds can cause damage and immediate service is required. Engine damage resulting from operation with a heavy spark knock may not be covered by the new vehicle warranty.

Poor quality gasoline can cause problems such as hard starting, stalling and hesitations. If you experience these symptoms, try another brand of gasoline before considering service for the vehicle.

Over 40 auto manufacturers world-wide have issued and endorsed consistent gasoline specifications (the Worldwide Fuel Charter, WWFC) to define fuel properties necessary to deliver enhanced emissions, performance and durability for your vehicle. We recommend the use of gasolines that meet the WWFC specifications if they are available.

REFORMULATED GASOLINE

Many areas of the country require the use of cleaner burning gasoline referred to as "reformulated" gasoline. Reformulated gasoline contain oxygenates, and are specifically blended to reduce vehicle emissions and improve air quality.

We strongly support the use of reformulated gasoline. Properly blended reformulated gasoline will provide excellent performance and durability for the engine and fuel system components.

GASOLINE/OXYGENATE BLENDS

Some fuel suppliers blend unleaded gasoline with oxygenates such as 10% ethanol, MTBE, and ETBE. Oxygenates are required in some areas of the country during the winter months to reduce carbon monoxide emissions. Fuels blended with these oxygenates may be used in your vehicle.

CAUTION: DO NOT use gasoline containing METH-ANOL. Gasoline containing methanol may damage critical fuel system components.

MMT IN GASOLINE

MMT is a manganese-containing metallic additive that is blended into some gasoline to increase octane. Gasoline blended with MMT provide no performance advantage beyond gasoline of the same octane number without MMT. Gasoline blended with MMT reduce spark plug life and reduce emission system performance in some vehicles. We recommend that gasoline free of MMT be used in your vehicle. The MMT content of gasoline may not be indicated on the gasoline pump; therefore, you should ask your gaso-

line retailer whether or not his/her gasoline contains MMT.

It is even more important to look for gasoline without MMT in Canada because MMT can be used at levels higher than allowed in the United States. MMT is prohibited in Federal and California reformulated gasoline.

SULFUR IN GASOLINE

If you live in the northeast United States, your vehicle may have been designed to meet California low emission standards with Cleaner-Burning California reformulated gasoline with low sulfur. If such fuels are not available in states adopting California emission standards, your vehicles will operate satisfactorily on fuels meeting federal specifications, but emission control system performance may be adversely affected. Gasoline sold outside of California is permitted to have higher sulfur levels which may affect the performance of the vehicle's catalytic converter. This may cause the Malfunction Indicator Lamp (MIL), Check Engine or Service Engine Soon light to illuminate. We recommend that you try a different brand of unleaded gasoline having lower sulfur to determine if the problem is fuel related prior to returning your vehicle to an authorized dealer for service.

CAUTION: If the Malfunction Indicator Lamp (MIL), Check Engine or Service Engine Soon light is flashing, immediate service is required; see on-board diagnostics system section.

MATERIALS ADDED TO FUEL

All gasoline sold in the United States and Canada are required to contain effective detergent additives. Use of additional detergents or other additives is not needed under normal conditions.

FUEL SYSTEM CAUTIONS

CAUTION: Follow these guidelines to maintain your vehicle's performance:

- The use of leaded gas is prohibited by Federal law. Using leaded gasoline can impair engine performance, damage the emission control system, and could result in loss of warranty coverage.
- An out-of-tune engine, or certain fuel or ignition malfunctions, can cause the catalytic converter to overheat. If you notice a pungent burning odor or some light smoke, your engine may be out of tune or malfunctioning and may require immediate service. Contact your dealer for service assistance.
- When pulling a heavy load or driving a fully loaded vehicle when the humidity is low and the tem-

perature is high, use a premium unleaded fuel to help prevent spark knock. If spark knock persists, lighten the load, or engine piston damage may result.

• The use of fuel additives which are now being sold as octane enhancers is not recommended. Most of these products contain high concentrations of methanol. Fuel system damage or vehicle performance problems resulting from the use of such fuels or additives is not the responsibility of DaimlerChrysler Corporation and may not be covered under the new vehicle warranty.

NOTE: Intentional tampering with emissions control systems can result in civil penalties being assessed against you.

FLUID CAPACITIES

SPECIFICATIONS - FLUID CAPACITIES

DESCRIPTION	SPECIFICATION
Fuel Tank	57L (15 gal.)
Engine Oil* - 1.6L	4.3L (4.5 qts.)
Engine Oil* - 2.0L	4.3L (4.5 qts.)
Engine Oil* - 2.2L Diesel	7.0L (7.4 qts.)
Engine Oil* - 2.4L	4.8L (5.0 qts.)
Cooling System** - 1.6L, 2.0L, and 2.4L	6.2L (6.5 qts.)
Cooling System** - 2.2L Diesel	9.0L (9.5 qts.)
Automatic Transaxle - Estimated Service Fill	3.8L (4.0 qts.)
Automatic Transaxle - Overhaul Fill Capacity with Torque Converter Empty	8.1L (8.6 qts.)
Manual Transaxle - NV T350	2.4 - 2.7L (2.5 - 2.8 qts.)
Manual Transaxle -	2.2L Turbo Diesel: 2.0L (2.1 qts.)
Getrag 288	2.4L Turbo: 1.8L (1.9 qts.)
*(includes new filter)	
**(Includes heater and cool	ant recovery bottle filled to

^{**(}Includes heater and coolant recovery bottle filled to MAX level.)

FLUID FILL/CHECK LOCATIONS

DESCRIPTION

The fluid check/fill point locations are located in each applicable service manual section.

LUBRICATION POINTS

DESCRIPTION

Lubrication point locations are located in each applicable Sections.

MAINTENANCE SCHEDULES

DESCRIPTION

Maintenance Schedule Information not included in this section, is located in the appropriate Owner's Manual.

There are three maintenance schedules that show **required** service for your vehicle.

First is Schedule "B"—ALL ENGINES. It is for vehicles that are operated under the conditions that are listed below and at the beginning of the schedule.

- \bullet Day or night temperatures are below 0° C (32° F).
 - Stop and go driving.
 - Extensive engine idling.
 - Driving in dusty conditions.
 - Short trips of less than 16 km (10 miles).
- \bullet More than 50% of your driving is at sustained high speeds during hot weather, above 32° C (90° F).†
 - Trailer towing.†◊
- \bullet Taxi, police, or delivery service (commercial service).† \diamondsuit
 - Off-road or desert operation.
- If equipped for and operating with E-85 (ethanol) fuel.

NOTE: Most vehicles are operated under the conditions listed for Schedule "B".

Second is Schedule "A"—NON TURBO CHARGED ENGINES. It is for vehicles that are not operated under any of the conditions listed under Schedule "B"—ALL ENGINES.

Second is Schedule "A"—TURBO CHARGED ENGINES. It is for vehicles that are not operated under any of the conditions listed under Schedule "B"—ALL ENGINES.

Use the schedule that best describes your driving conditions. Where time and mileage are listed, follow the interval that occurs first.

MAINTENANCE SCHEDULES (Continued)

CAUTION: Failure to perform the required maintenance items may result in damage to the vehicle.

At Each Stop for Fuel

- Check the engine oil level about 5 minutes after a fully warmed engine is shut off. Checking the oil level while the vehicle is on level ground will improve the accuracy of the oil level reading. Add oil only when the level is at or below the ADD or MIN mark.
- Check the windshield washer solvent and add if required.

Once a Month

- Check tire pressure and look for unusual wear or damage.
- Inspect the battery and clean and tighten the terminals as required.
- Check the 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

- Change the engine oil filter.
- Inspect the exhaust system.
- Inspect the brake hoses.
- Inspect the CV joints and front suspension components.
 - Check the automatic transaxle fluid level.
- Check the manual transaxle fluid level and fill plug condition.

- · Check the coolant level, hoses, and clamps.
- Rotate the tires at each oil change interval shown on Schedule "A"—NON TURBO CHARGED ENGINES 10 000 km (6,000 miles), Schedule "A"—TURBO CHARGED ENGINES 8 000 km (5,000 miles), or every other interval shown on Schedule "B"—ALL ENGINES 10 000 km (6,000 miles).

SCHEDULE "B"—ALL ENGINES

Follow schedule "B"—All Engines if you usually operate your vehicle under one or more of the following conditions. Change the automatic transmission fluid and filter every 77 000 km (48,000 miles) if the vehicle is usually operated under one or more of the conditions marked with an \Diamond .

Change the manual transaxle fluid every 77 000 km (48,000 miles) if the vehicle is usually operated under one or more of the conditions marked with an †

- Day or night temperatures are below 0° C (32° F).
 - Stop and go driving.
 - Extensive engine idling.
 - Driving in dusty conditions.
 - Short trips of less than 16.2 km (10 miles).
- \bullet More than 50% of your driving is at sustained high speeds during hot weather, above 32° C (90° F).†
 - Trailer towing.†◊
- \bullet Taxi, police, or delivery service (commercial service).† \diamondsuit
 - Off-road or desert operation.
- If equipped for and operating with E-85 (ethanol) fuel.

Miles (Kilometers)	3,000 (5 000)	6,000 (10 000)	9,000 (14 000)	12,000 (19 000)	15,000 (24 000)	18,000 (29 000)
Change engine oil and engine oil filter.	Х	Х	Х	Х	Х	Х
Inspect the brake linings.				Х		
Inspect the engine air cleaner filter.Replace as necessary.*					Х	
Inspect the PCV make-up air filter. Replace as necessary.					Х	
Inspect the generator belt, and replace as necessary.					Х	
Inspect and adjust the power steering pump belt tension.					Х	

MAINTENANCE SCHEDULES (Continued)

Miles	21,000	24,000	27,000	30,000	33,000	36,000
(Kilometers)	(34 000)	(38 000)	(43 000)	(48 000)	(53 000)	(58 000)
Change engine oil and engine oil filter.	Х	Х	Х	Х	Х	Х
Inspect the brake linings.		Х				Х
Replace the engine air cleaner filter.				Х		
Replace the spark plugs.				Х		
Inspect the tie rod ends and boot seals.				Х		
Inspect the PCV valve and replace as necessary.*				Х		
Replace the PCV make-up air filter.				Х		
Inspect and adjust the power steering pump belt tension.				Х		
Inspect the generator belt, and replace as necessary.				Х		

Miles	39,000	42,000	45,000	48,000	51,000	54,000
(Kilometers)	(62 000)	(67 000)	(72 000)	(77 000)	(82 000)	(86 000)
Change engine oil and engine oil filter.	Х	Х	Х	Х	Х	Х
Inspect the brake linings.				Х		
Change the brake fluid. If vehicle is used for trailer towing.				Х		
Inspect the engine air cleaner filter. Replace as necessary.*			Х			
Change the automatic transaxle fluid and filter.				Х		
Change the manual transaxle fluid.				Х		
Inspect the PCV make-up air filter. Replace as necessary.			Х			
Inspect and adjust the power steering pump belt tension.			Х			
Inspect the generator belt, and replace as necessary.			Х			

MAINTENANCE SCHEDULES (Continued)

Miles	57,000	60,000	63,000	66,000	69,000	72,000
(Kilometers)	(91 000)	(96 000)	(101 000)	(106 000)	(110 000)	(115 000)
Change engine oil and engine oil filter.	X	Х	X	X	X	X
Inspect the brake linings.		Х				Х
Replace the engine air cleaner filter.		X				
Replace the spark plugs and ignition cables.		Х				
Inspect the tie rod ends and boot seals.		X				
Inspect the PCV valve and replace if necessary. Not required if previously changed. * ‡		Х				
Inspect the PCV make-up air filter. Replace as necessary.		Х				
Inspect and adjust the power steering pump belt tension.		Х				
Inspect the generator belt, and replace as necessary.		Х				

Miles	75,000	78,000	81,000	84,000	87,000	90,000
(Kilometers)	(120 000)	(125 000)	(130 000)	(134 000)	(139 000)	(144 000)
Change engine oil and engine oil filter.	Х	Х	Х	Х	Х	Х
Inspect the brake linings.				Х		
Inspect the engine air cleaner filter and replace as necessary.*	Х					
Replace the engine air cleaner filter.						Х
Replace the spark plugs.						Х
Inspect the tie rod ends and boot seals.						Х
Inspect the PCV valve and replace if necessary. Not required if previously changed. * ‡						Х
Replace the engine timing belt. *						Х
Inspect the PCV make-up air filter. Replace as necessary.	Х					Х
Inspect and adjust the power steering pump belt tension.	Х					Х
Inspect the generator belt, and replace as necessary.	Х					Х