GROUP TAB LOCATOR

	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	Compass/Mini-Trip Computer	
8N	Power Systems	
80	Restraints	
8P	Speed Control	
9 8	Vehicle Theft Security	
8R	Wipers/Washers	
8W	Wiring	
9	Engine	
11	Exhaust System	
13	Frame & Bumpers	
14	Fuel System	
19	Steering	
21	Transmission/Transaxle	
22	Tires/Wheels	
23	Body	
24	Heating & Air Conditioning	
25	Emissions Control	
Servi	ice Manual Comment Forms (Rear of Manual)	

INTRODUCTION

TABLE OF CONTENTS

page	page
TORQUE REFERENCES	BODY CODE PLATE
DESCRIPTION8	DESCRIPTION1
VEHICLE IDENTIFICATION NUMBER	FASTENER IDENTIFICATION
DESCRIPTION9	FASTENER IDENTIFICATION DESCRIPTION
VEHICLE SAFETY CERTIFICATION LABEL	FASTENER USAGE
DESCRIPTION10	DESCRIPTION5
E-MARK LABEL	THREADED HOLE REPAIR
DESCRIPTION10	DESCRIPTION5
VECI LABEL	INTERNATIONAL VEHICLE CONTROL AND
DESCRIPTION10	DISPLAY SYMBOLS
MANUFACTURE PLATE	DESCRIPTION - INTERNATIONAL SYMBOLS5
DESCRIPTION11	METRIC SYSTEM
	DESCRIPTION6

BODY CODE PLATE

DESCRIPTION

The Body Code Plate (Fig. 1) is located in the engine compartment on the driver side strut tower. 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

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

DIGITS 10 THROUGH 12

Secondary Paint

DIGIT 13 AND 14

Open Space

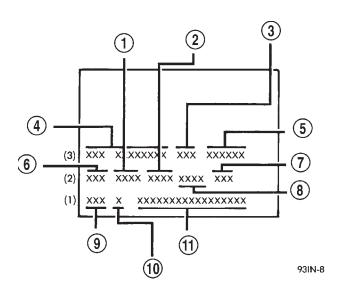


Fig. 1 BODY CODE PLATE

- 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

2 INTRODUCTION —

JR

BODY CODE PLATE (Continued)

DIGITS 15 THROUGH 18
Interior Trim Code

DIGIT 19

Open Space

DIGITS 20, 21, AND 22

Engine Code

- ECC = 2.0L Four Cylinder 16 Valves DOHC Gasoline
- EDZ = 2.4L Four Cylinder 16 Valves DOHC Gasoline
- EER = 2.7L Six Cylinder 24 Valves DOHC 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

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.

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. 2) and (Fig. 3).

FASTENER IDENTIFICATION (Continued)

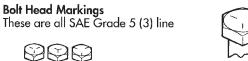
Bolt Markings and Torque - Metric

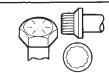
Commercial Steel Class 12.9 10.9 **Bolt Head Markings** 9.8 12.9 10.9

Torque					Tor	que			To	rque		
Cas	l Iron	Alumi	num	Cas	t Iron	Alun	าเทบทา	Cas	t Iron	Alun	าเทบท	
N•m	ft-lb	N∙m	ft-lb	N∙m	ft-lb	N•m	ft-lb	N∙m	ft-lb	N•m	ft-lb	
9	5	7	4	14	9	11	7	14	9	11	7	
14	9	11	7	18	14	14	11	23	18	18	14	
25	18	18	14	32	23	25	18	36	27	28	21	
40	30	30	25	60	45	45	35	70	50	55	40	
70	55	55	40	105	75	80	60	125	95	100	<i>7</i> 5	
115	85	90	65	160	120	125	95	195	145	1 <i>5</i> 0	110	
180	130	140	100	240	175	190	135	290	210	220	165	
230	170	180	135	320	240	250	185	400	290	310	230	
	N•m 9 14 25 40 70 115 180	Cast Iron N•m ft-lb 9 5 14 9 25 18 40 30 70 55 115 85 180 130	Cast Iron Alumi N•m ff-lb N•m 9 5 7 14 9 11 25 18 18 40 30 30 70 55 55 115 85 90 180 130 140	Cast Iron Aluminum N•m ft-lb N•m ft-lb 9 5 7 4 14 9 11 7 25 18 18 14 40 30 30 25 70 55 55 40 115 85 90 65 180 130 140 100	Cast Iron Aluminum Cas N•m ft-lb N•m ft-lb N•m 9 5 7 4 14 14 9 11 7 18 25 18 18 14 32 40 30 30 25 60 70 55 55 40 105 115 85 90 65 160 180 130 140 100 240	Cast Iron N•m ft-lb N•m ft-lb N•m ft-lb 9 5 7 4 14 9 14 9 11 7 18 14 25 18 18 14 32 23 40 30 30 25 60 45 70 55 55 40 105 75 115 85 90 65 160 120 180 130 140 100 240 175	Cast Iron Aluminum Cast Iron Alum Nom ft-lb Nom ft-lb Nom ft-lb Nom 9 5 7 4 14 9 11 14 9 11 7 18 14 14 25 18 18 14 32 23 25 40 30 30 25 60 45 45 70 55 55 40 105 75 80 115 85 90 65 160 120 125 180 130 140 100 240 175 190	Cast Iron Aluminum Cast Iron Aluminum N•m ft-lb N•m ft-lb N•m ft-lb 9 5 7 4 14 9 11 7 14 9 11 7 18 14 14 11 25 18 18 14 32 23 25 18 40 30 30 25 60 45 45 35 70 55 55 40 105 75 80 60 115 85 90 65 160 120 125 95 180 130 140 100 240 175 190 135	Cast Iron Aluminum Cast Iron Aluminum Cast Iron N•m ft-lb N•m ft-lb N•m ft-lb N•m ft-lb N•m 9 5 7 4 14 9 11 7 14 14 9 11 7 18 14 14 11 23 25 18 18 14 32 23 25 18 36 40 30 30 25 60 45 45 35 70 70 55 55 40 105 75 80 60 125 115 85 90 65 160 120 125 95 195 180 130 140 100 240 175 190 135 290	Cast Iron Aluminum Cast Iron N•m ft-lb N•m ft-lb	Cast Iron Aluminum Cast Iron Aluminum Cast Iron Aluminum Nom ft-lb Nom ft-lb	Cast Iron Aluminum Cast Iron Aluminum Cast Iron Aluminum N•m ft-lb N•m

Bolt Markings and Torque Values - U.S. Customary

5 8 **SAE Grade Number**





		Bolt Torque	e - Grade 5 B	olt	Bol	t Torque - G	rade 8 Bolt		
Body Size	Body Size Cast Iron Aluminum		Cast	Iron	Alum	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>75</i>	
- 20	100	<i>75</i>	80	60	150	110	120	90	
9/16 - 12	135	100	110	80	190	140	150	110	
- 18	1 <i>5</i> 0	110	115	85	210	155	1 <i>7</i> 0	125	
<i>5/</i> 8 - 11	180	135	150	110	255	190	205	150	
- 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	720	530	570	420	1100	820	890	660	
- 14	800	590	650	480	1200	890	960	<i>7</i> 10	

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	<i>5</i> T			
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	8Т			

JR -INTRODUCTION

FASTENER USAGE

DESCRIPTION

WARNING: USE OF AN INCORRECT FASTENER MAY RESULT IN COMPONENT DAMAGE OR PER-SONAL 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 all fasteners (nuts, bolts, etc.) for reassembly. If the fastener is not salvageable, a fastener of equivalent specification must be used.

THREADED HOLE REPAIR

DESCRIPTION

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

5

INTERNATIONAL VEHICLE CONTROL AND DISPLAY **SYMBOLS**

DESCRIPTION - INTERNATIONAL SYMBOLS

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

≣ ○	\$ 0	- \'\'\ -	☆ ↓	5	6
7	8	9	10	11	12
13	14	1 5	- + 16	17	18
(!)	(P)	*	~	b	P

80be4788 INTERNATIONAL SYMBOLS

1	High Beam
2	Fog Lamps
3	Headlamp, Parking Lamps, Panel Lamps
4	Turn Warning

5 Hazard Warning 6 Windshield Washer

7 Windshield Wiper

Windshield Wiper and Washer

Windscreen Demisting and Defrosting 9

10 Ventilating Fan

Rear Window Defogger 11

Rear Window Wiper 12

13 Rear Window Washer

14

15 **Engine Coolant Temperature**

16 **Battery Charging Condition**

Engine Oil 17

Seat Belt 18

19 Brake Failure

Parking Brake 20

21 Front Hood

22 Rear hood (Decklid)

23 Horn

24 Lighter Thank you very much for your reading. Please click here and go back to our website. Then, you can download the complete manual instantly. No waiting.