
SECTION 9E

INSTRUMENTATION/DRIVER INFORMATION

CAUTION: Disconnect the negative battery cable before removing or installing any electrical unit or when a tool or equipment could easily come in contact with exposed electrical terminals. Disconnecting this cable will help prevent personal injury and damage to the vehicle. The ignition must also be in LOCK unless otherwise noted.

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SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

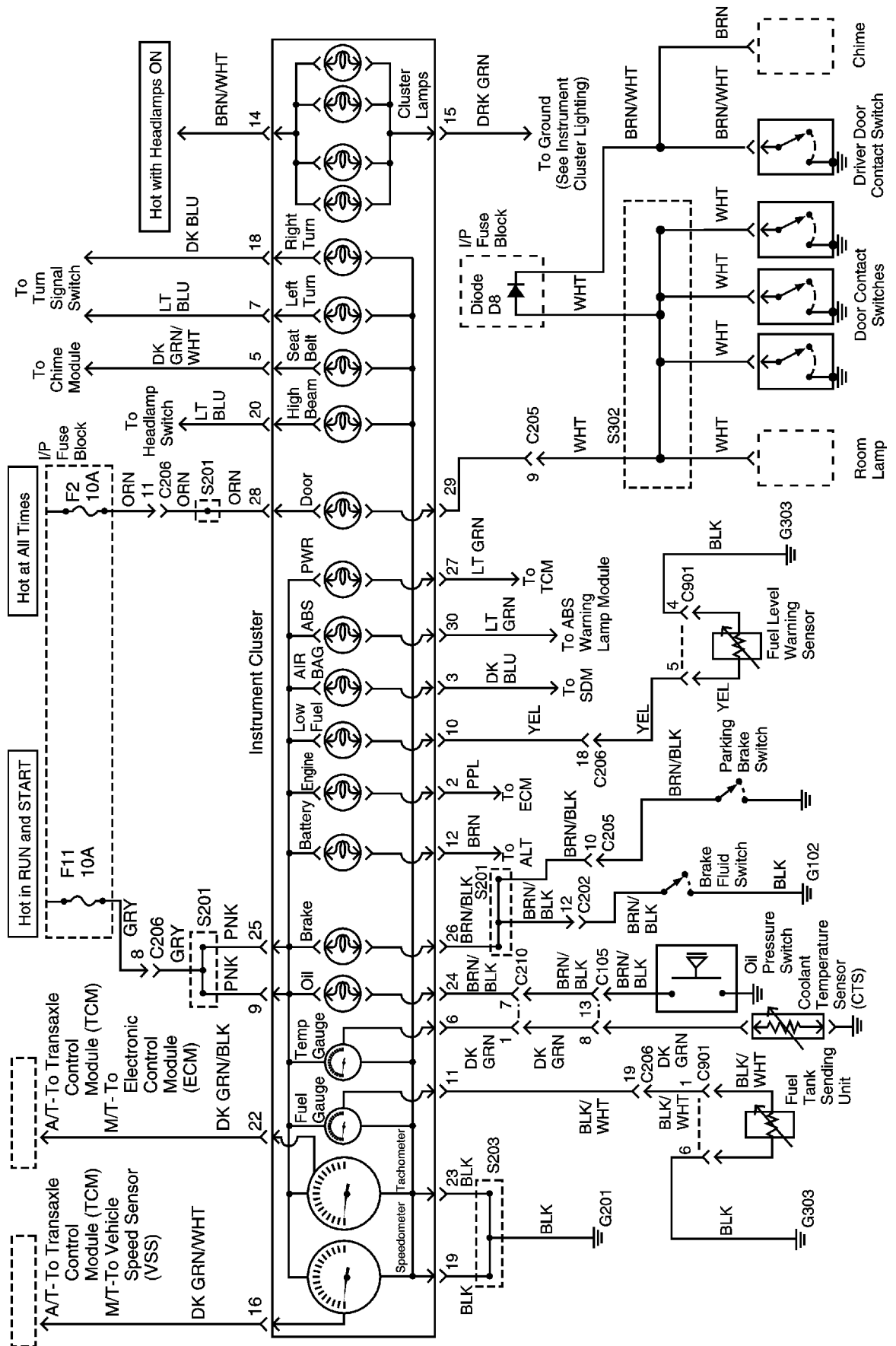
Application	N•m	Lb-Ft	Lb-In
Air Deflector Screws	2	-	18
Chime Module Screws	3.5	-	31
Cupholder Screws	2.5	-	22
Deposit Box Screws	2.5	-	22
Floor Console Brace Bolts	5	-	44
Floor Console Brace Nuts	5	-	44
Glove Box Screws	5.5	-	49
HVAC Controls Screws	4	-	35
Instrument Cluster (Standard and Deluxe) Screws	2	-	18
Instrument Cluster Trim Panel Screws	2.5	-	22
Instrument Panel End Bolts	22	16	-
Instrument Panel End Screws	7	-	63
Instrument Panel Nuts Above the Steering Column	22	16	-
Instrument Panel Bolts Behind the HVAC Controls	4	-	35
Steering Column Bracket Nut	22	16	-
Steering Column Lower Trim Cover Screws	3	-	27
Steering Column U-Clamp Nuts	22	16	-
Steering Column Upper Trim Cover Screws	3	-	27

INSTRUMENT CLUSTER INDICATOR LAMPS SPECIFICATIONS

Indicator Lamp	Color	Bulb
ABS Warning	Amber	14 v 1.4 W
Airbag Warning	Red	14 v 1.4 W
Battery Charge Indicator	Red	14 v 1.4 W
Door Opening Warning	Red	14 v 1.4 W
Fasten Seat Belt Warning	Red	14 v 1.4 W
High Beam Indicator	Blue	14 v 1.4 W
Low Fuel Level Warning	Amber	14 v 1.4 W
Oil Pressure Warning	Red	14 v 1.4 W
Parking Brake Indicator and Brake Fluid Warning	Red	14 v 1.4 W
Rear Fog Lamps Indicator	Amber	14 v 1.4 W
Service Engine Soon Warning	Amber	14 v 1.4 W
Transaxle Power Mode Indicator	Amber	14 v 1.4 W
Turn Signal Indicators	Green	14 v 1.4 W

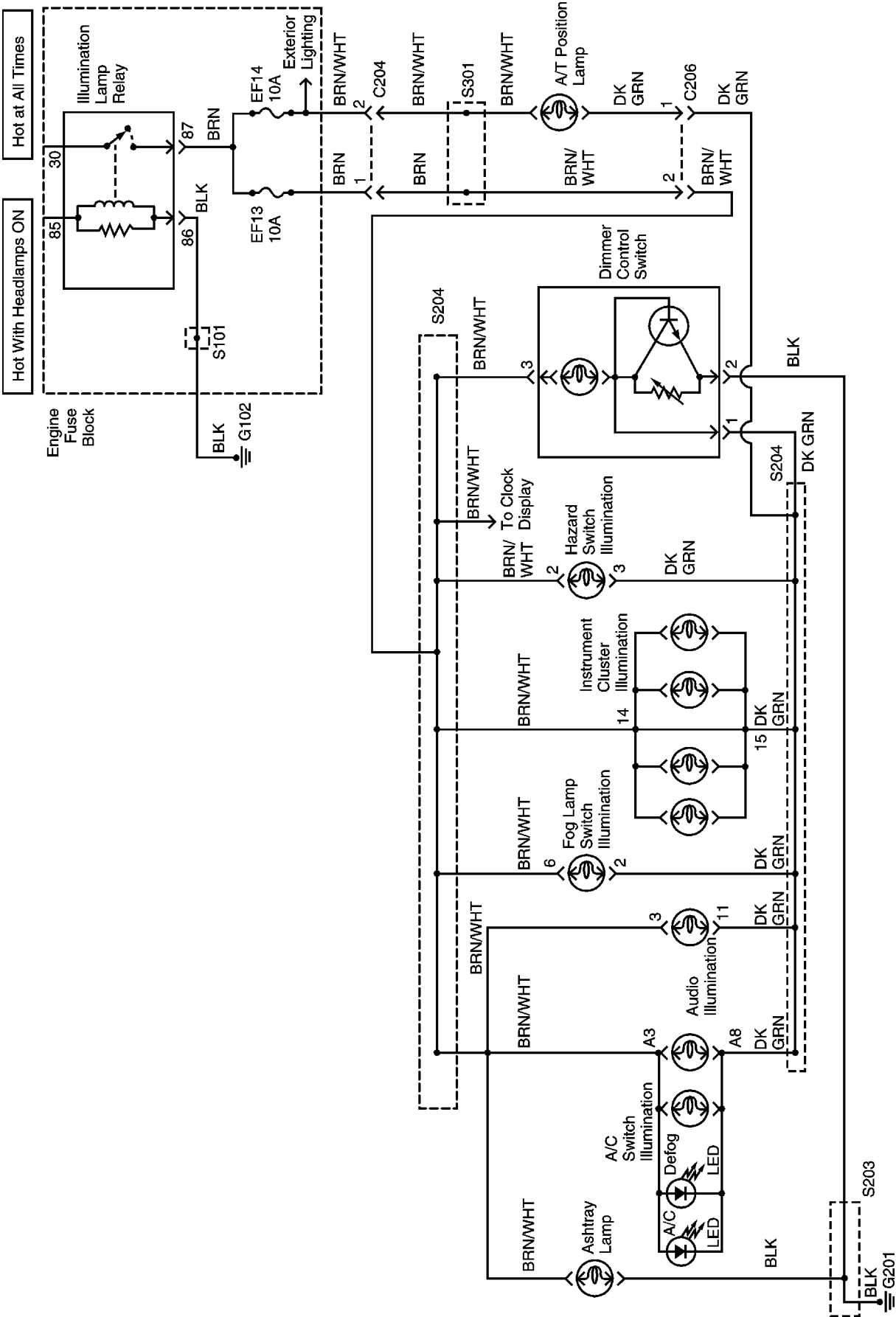
SCHEMATIC AND ROUTING DIAGRAMS

INSTRUMENT CLUSTER



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INSTRUMENT PANEL ILLUMINATION

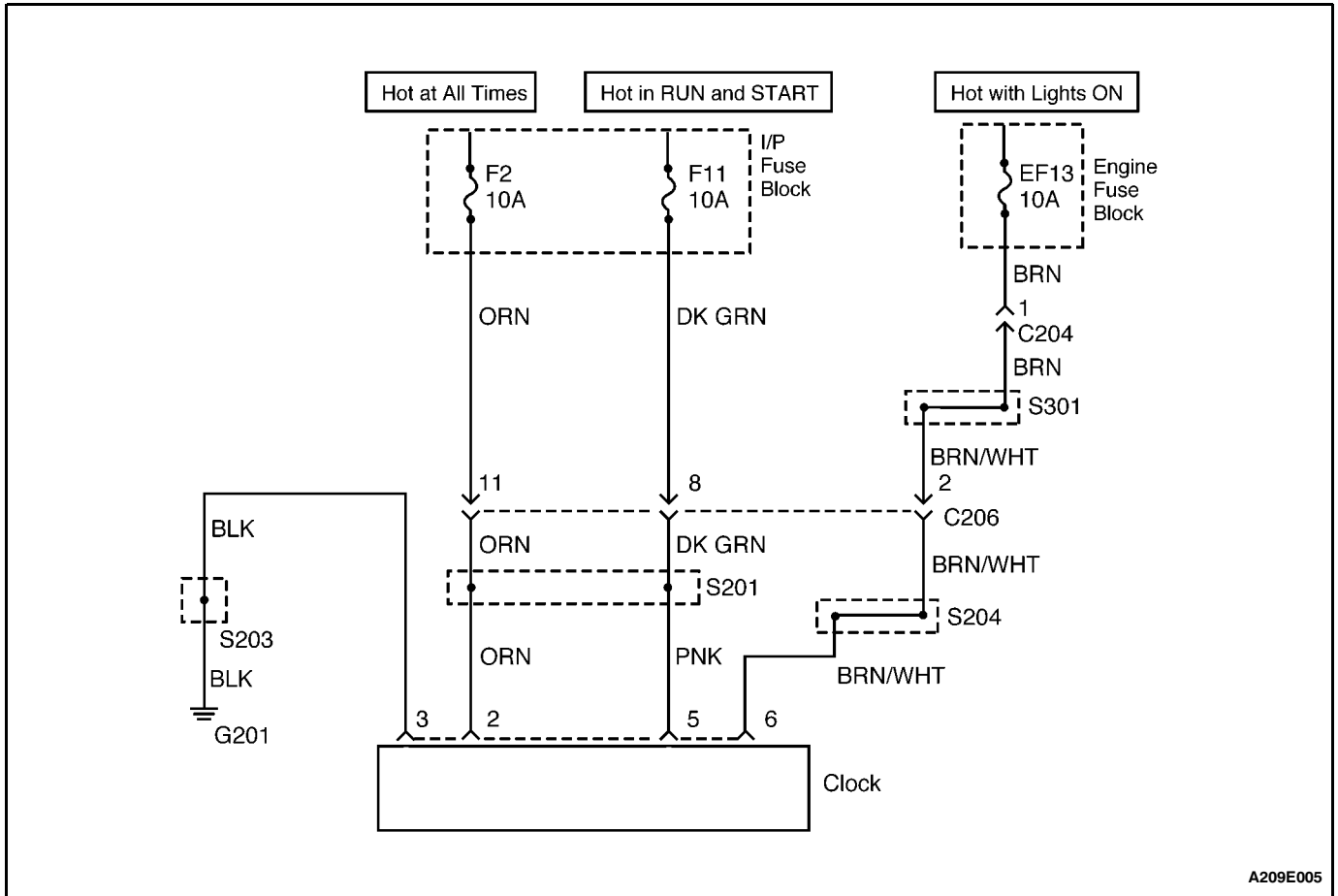


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If power to splice S204 is lost, all of the following functions will also be lost: A/C control switch illumination, audio system illumination, headlamp reminder chime, instrument cluster illumination, and hazard switch illumination.

Step	Action	Value(s)	Yes	No
1	1. Turn the light switch on. 2. Remove the ashtray lamp from the socket. 3. Use a voltmeter to check battery voltage available at the ashtray lamp socket. Does the battery voltage match the value specified?	11-14 v	Go to Step 3	Go to Step 2
2	Repair the open circuit between the ashtray lamp socket and splice S204. Is the repair complete?	-	System OK	-
3	1. Turn the light switch on. 2. Using an ohmmeter, check the ground circuit to the lamp socket. Does the resistance equal the value specified?	[0 W	Go to Step 5	Go to Step 4
4	Repair the open ground circuit between the ashtray lamp socket and ground G201. Is the repair complete?	-	System OK	-
5	Replace the ashtray lamp. Is the repair complete?	-	System OK	-



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DIGITAL CLOCK

Digital Clock Inoperative

Step	Action	Value(s)	Yes	No
1	Check fuses F2 and F11. Is either fuse F2 or F11 blown?	-	Go to Step 2	Go to Step 3
2	1. Check for a short circuit and repair it, if necessary. 2. Replace the blown fuses. Is the repair complete?	-	System OK	-
3	1. Turn the ignition ON. 2. Use a voltmeter to check battery voltage available at fuses F2 and F11. Does the voltmeter indicate the value specified?	11-14 v	Go to Step 5	Go to Step 4
4	Repair the open power supply circuit for the fuse. Is the repair complete?	-	System OK	-
5	Use a voltmeter to check the battery voltage available at the clock connector terminal 2. Does the voltmeter indicate the value specified?	11-14 v	Go to Step 7	Go to Step 6
6	Repair the open circuit between the clock connector terminal 2 and the fuse F2. Is the repair complete?	-	System OK	-
7	Turn the ignition ON. Is battery voltage available at the clock connector terminal 5?	-	Go to Step 9	Go to Step 8

9E - 8 INSTRUMENTATION/DRIVER INFORMATION**Digital Clock Inoperative (Cont'd)**

Step	Action	Value(s)	Yes	No
8	Repair the open circuit between the clock connector terminal 5 and the fuse F11. Is the repair complete?	-	System OK	-
9	Check continuity between the clock connector terminal 3 and ground. Does the multimeter indicate the value specified?	0 W	Go to Step 10	Go to Step 11
10	Replace the clock. Is the repair complete?	-	System OK	-
11	Repair the open ground circuit between the clock connector terminal 3 and the ground G201. Is the repair complete?	-	System OK	-

INSTRUMENT PANEL ILLUMINATION**Instrument Panel Illumination Lamps Inoperative**

Step	Action	Value(s)	Yes	No
1	Check fuse EF13. Is fuse EF13 blown?	-	Go to Step 2	Go to Step 3
2	1. Check for a short circuit and repair it, if necessary. 2. Replace the blown fuse. Is the repair complete?	-	System OK	-
3	1. Turn the lamp switch on. 2. Use a voltmeter to check battery voltage at fuse EF13. Does the battery voltage match the value specified?	11-14 v	Go to Step 5	Go to Step 4
4	Repair the open power supply circuit to fuse EF13. Is the repair complete?	-	System OK	-
5	Use an ohmmeter to check the resistance between ground and the BLK wire of the dimmer control switch connector. Is the resistance equal to the specified value?	0	Go to Step 7	Go to Step 6
6	Repair the open ground circuit. Is the repair complete?	-	System OK	-
7	1. Turn the lamp switch on. 2. Use a voltmeter to check for battery voltage at the BRN/WHT wire of the dimmer control switch connector. Does the battery voltage match the value specified?	11-14 v	Go to Step 9	Go to Step 8
8	Repair the open circuit between the BRN/WHT wire of the dimmer control switch connector and fuse EF13. Is the repair complete?	-	System OK	-
9	1. Disconnect the dimmer control switch. 2. Turn the lamp switch on. 3. Use a voltmeter to check for battery voltage at the DK GRN wire of the dimmer control switch connector. Does the battery voltage match the value specified?	11-14 v	Go to Step 11	Go to Step 10
10	Repair the open circuit between the DK GRN wire of the dimmer control switch connector and splice S204. Is the repair complete?	-	System OK	-
11	Replace the dimmer control switch.	-	System OK	-

9E - 10 INSTRUMENTATION/DRIVER INFORMATION**Automatic Transaxle Gear Position Illumination Lamp Inoperative, All Other Instrument Lamps OK**

Notice: When probing a bulb socket with a voltmeter or a test lamp, do not allow the probe to touch both the positive and the negative contacts at the same time. This will cause a blown fuse.

Step	Action	Value(s)	Yes	No
1	Check fuse EF14. Is fuse EF14 blown?	-	Go to Step 2	Go to Step 3
2	1. Check for a short circuit and repair it, if necessary. 2. Replace the blown fuse. Is the repair complete?	-	System OK	-
3	1. Turn the lamp switch on. 2. Use a voltmeter to check battery voltage available at fuse EF14. Does the battery voltage match the value specified?	11-14 v	Go to Step 5	Go to Step 4
4	Repair the open circuit power supply circuit to fuse EF14. Is the repair complete?	-	System OK	-
5	1. Turn the lamp switch on. 2. Remove the automatic transaxle position lamp. 3. Use a voltmeter to check battery voltage available at the lamp socket. Does the battery voltage match the value specified?	11-14 v	Go to Step 7	Go to Step 6
6	Repair the open circuit between the automatic transaxle position lamp socket and fuse EF14. Is the repair complete?	-	System OK	-
7	1. Turn the lamp switch on. 2. Remove the automatic transaxle position lamp. 3. Use an ohmmeter to check the resistance between the ground circuit and the lamp socket. Is the resistance equal to the value specified?	[0 W	Go to Step 9	Go to Step 8
8	Repair the open ground circuit between the automatic transaxle position lamp socket and ground. Is the repair complete?	-	System OK	-
9	Replace the automatic transaxle position lamp. Is the repair complete?	-	System OK	-

BLANK



SPEEDOMETER**Speedometer Inoperative, Other Gauges and Warning Lamps Are OK****Diagnostic Aids**

The 1.3L and 1.6L engines use an ITMS control module. The 1.5L uses an IEFI control module.

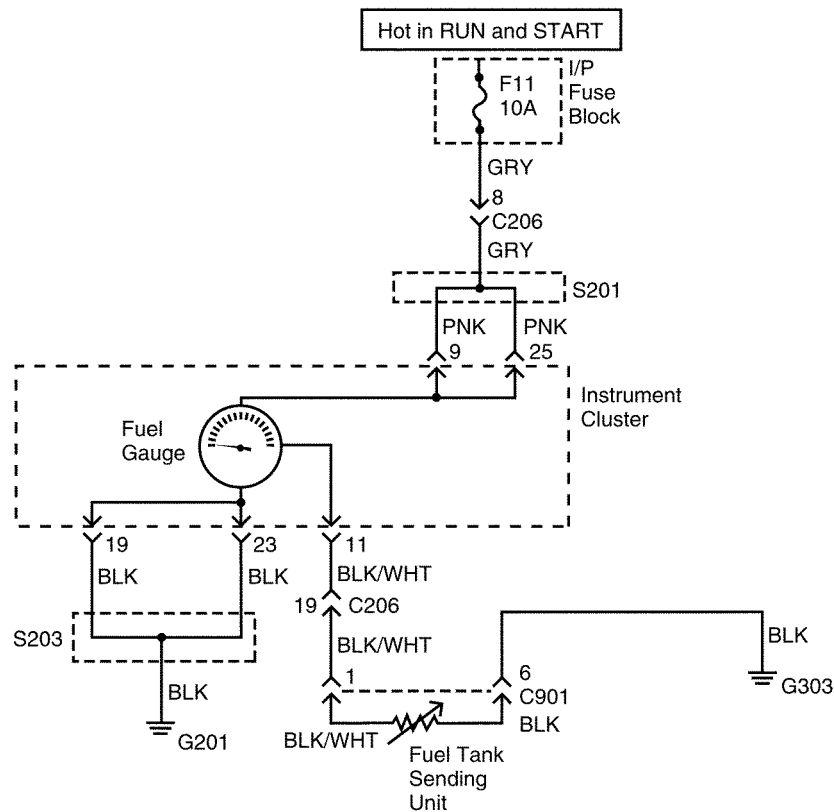
Step	Action	Value(s)	Yes	No
1	1. Connect a scan tool. 2. Check for engine control diagnostic trouble codes (DTCs). Is the vehicle speed sensor DTC set?	-	Go to Section 2F, Engine Controls	Go to Step 2
2	1. Turn the ignition OFF. 2. Disconnect the 24-pin electronic control module (ECM) connector. 3. Remove the instrument cluster. 4. Check continuity between ECM terminal B2 (D10 for the ITMS control module) and the instrument cluster connector terminal 16. Does the ohmmeter indicate the specified value?	0 W	Go to Step 4	Go to Step 3
3	Repair the open circuit between the instrument cluster connector terminal 16 and the ECM. Is the repair complete?	-	System OK	-
4	Replace the speedometer. Is the repair complete?	-	System OK	-



The electronic control module (ECM) output terminal for revolutions per minute (rpm) is different for various transaxle and engine options.

Tachometer Does Not Work

Step	Action	Value	Yes	No
1	1. Connect a scan tool. 2. Check for diagnostic trouble codes (DTCs) for the engine and the transaxle, if the vehicle is equipped with an automatic transaxle. Are there any current DTCs recorded?	-	Go to Step 2	Go to Step 3
2	Repair any faults indicated by DTCs. Are all the DTCs cleared?	-	Go to Step 3	-
3	Turn the ignition ON. Do the warning lights come on with the ignition ON and the engine not running?	-	Go to Step 9	Go to Step 4
4	Check fuse F11. Is fuse F11 blown?	-	Go to Step 5	Go to Step 6
5	1. Check for a short circuit and repair it, if necessary. 2. Replace the fuse. Is the repair complete?	-	System OK	-
6	Turn the ignition ON. Check the voltage at fuse F11. Is the specified voltage available at fuse F11?	11 - 14 v	Go to Step 8	Go to Step 7
7	Repair the open power supply circuit for fuse F11. Is the repair complete?	-	System OK	-
8	Repair the open circuit between fuse F11 and the instrument cluster terminals 9 and 25. Is the repair complete?	-	System OK	-
9	1. Turn the ignition ON. 2. Check the left and the right turn signals. Does either instrument cluster turn signal indicator flash?	-	Go to Step 12	Go to Step 10
10	1. Remove the instrument cluster. 2. Use an ohmmeter to check the continuity between ground and terminals 19 and 23 of the instrument cluster connector. Does the ohmmeter indicate the specified value?	9 0 W	Go to Step 12	Go to Step 11
11	Repair the instrument cluster ground circuit. Is the repair complete?	-	System OK	-
12	Use an ohmmeter to check for continuity of the rpm output circuit between the electronic control module (ECM) and instrument cluster terminal 22. Does the ohmmeter indicate the specified value?	9 0 W	Go to Step 14	Go to Step 13
13	Repair the rpm output circuit between the ECM and the instrument cluster. Is the repair complete?	-	System OK	-
14	Replace the tachometer. Does the tachometer work?	-	System OK	Go to Step 15
15	Replace the ECM. Is the repair complete?	-	System OK	-



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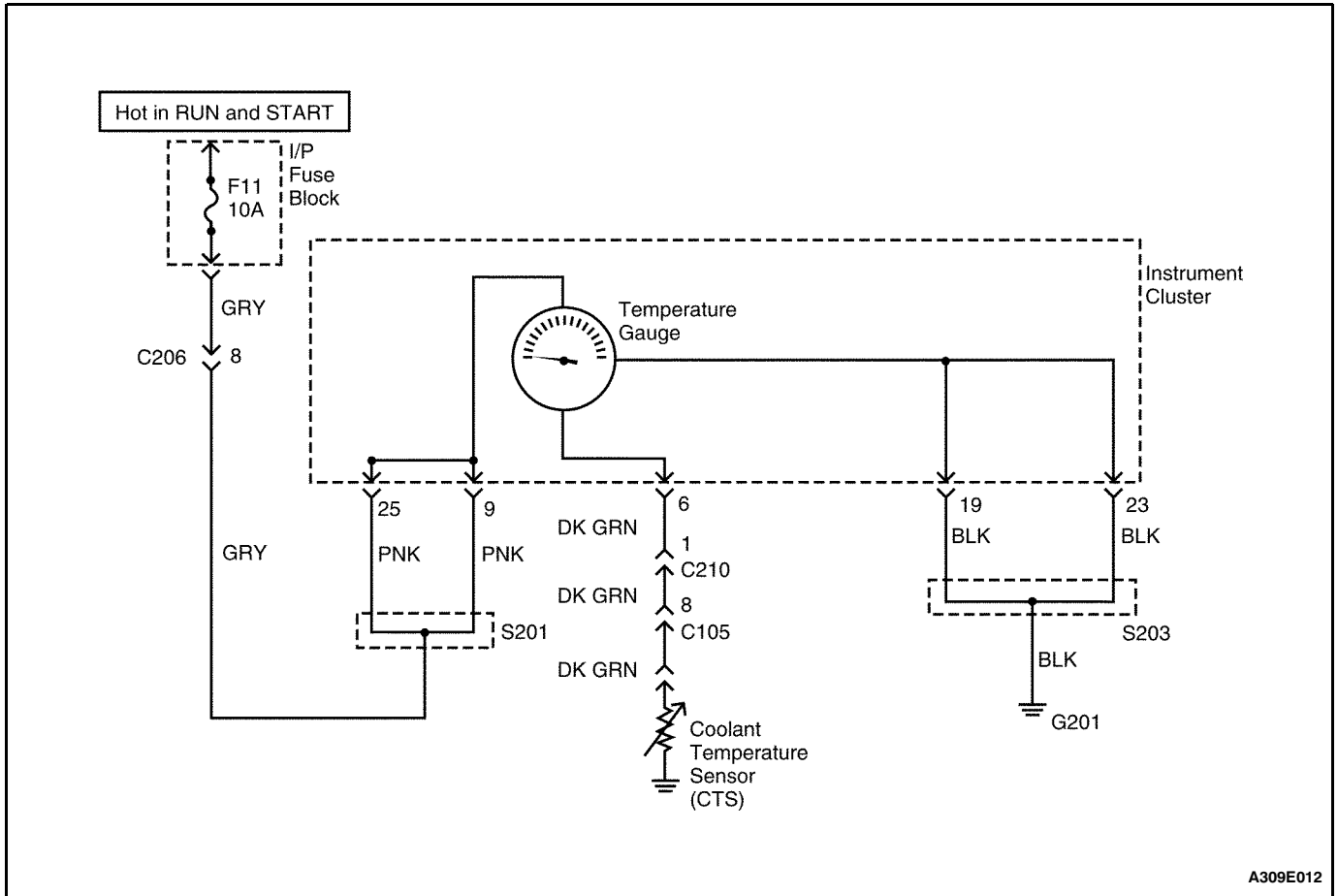
FUEL GAUGE

Fuel Gauge Inoperative

Step	Action	Value(s)	Yes	No
1	Turn the ignition ON. Does the fuel gauge always indicate a full fuel tank with the ignition ON?	-	Go to Step 2	Go to Step 7
2	Disconnect the fuel tank sending unit. Does the fuel gauge change to empty?	-	Go to Step 3	Go to Step 4
3	Replace the fuel tank sending unit. Is the repair complete?	-	System OK	-
4	Check the wiring harness for a short to ground between the fuel tank sending unit and the fuel gauge. Is there a short to ground?	-	Go to Step 5	Go to Step 6
5	Repair the short to ground. Is the repair complete?	-	System OK	-
6	Replace the fuel gauge. Is the repair complete?	-	System OK	-

Fuel Gauge Inoperative (Cont'd)

Step	Action	Value(s)	Yes	No
7	1. Disconnect the fuel tank sending unit electrical connector. 2. Turn the ignition ON. 3. Check the voltage at the fuel tank sending unit connector C901, terminal 1, on the floor harness side. Connector C901 is the connector between the floor wiring harness and the fuel tank wiring harness. Does the voltmeter indicate the specified value?	11-14 v	Go to Step 9	Go to Step 8
8	Repair the open circuit between the fuel gauge and the fuel tank sending unit. Is the repair complete?	-	System OK	-
9	Check continuity between the fuel tank sending unit connector C901, terminal 6, and ground. Does the multimeter indicate the specified value?	[0 W	Go to Step 11	Go to Step 10
10	Repair the open circuit or poor ground connection. Is the repair complete?	-	System OK	-
11	1. With the fuel tank sending unit electrical connector C901 disconnected, attach a jumper between ground and C901, terminal 1, on the floor harness side. 2. Turn the ignition ON. Does the fuel gauge move to full?	-	Go to Step 3	Go to Step 6



TEMPERATURE GAUGE

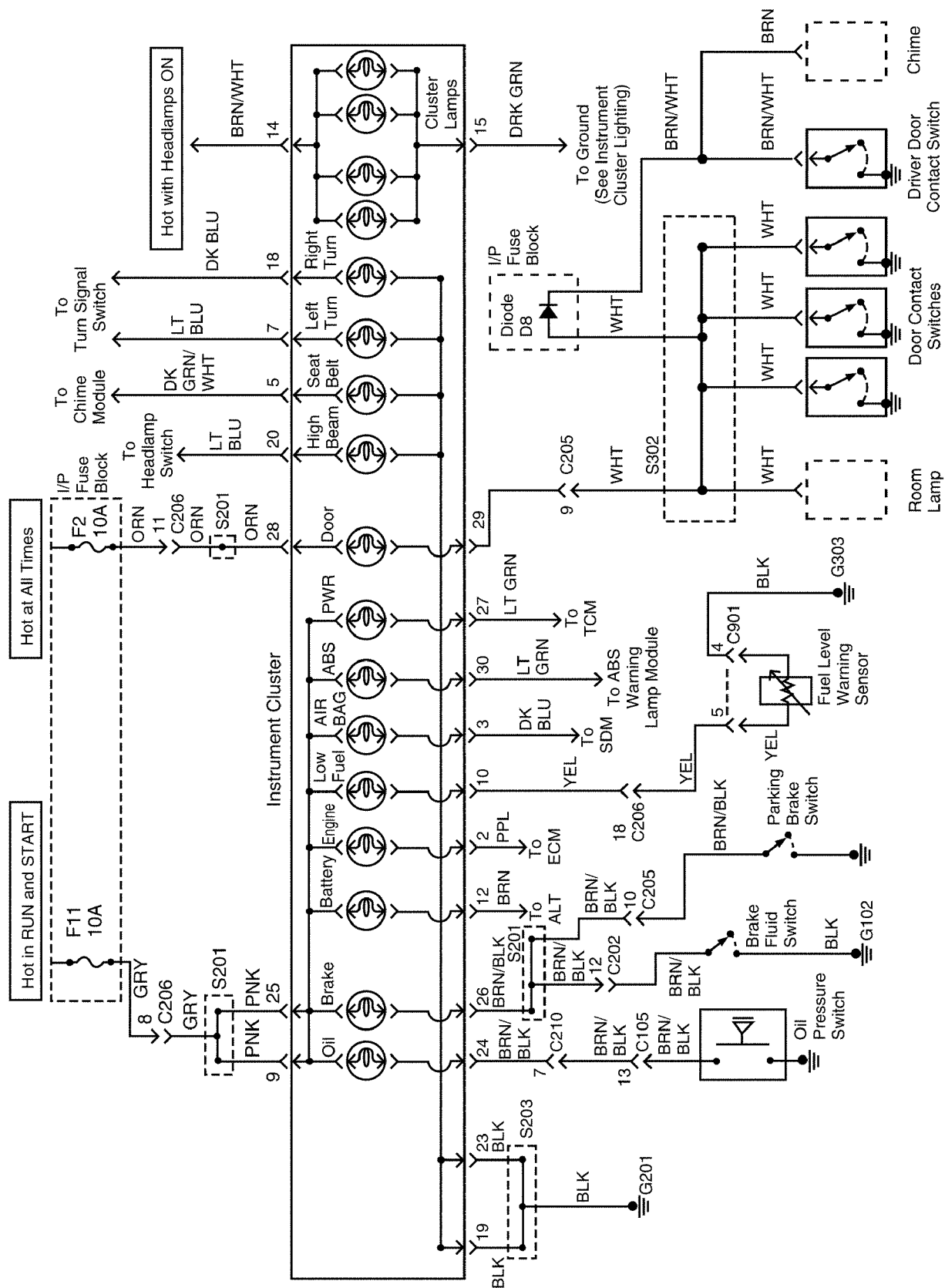
Temperature Gauge Inoperative, Other Gauges OK

Step	Action	Value(s)	Yes	No
1	Allow the engine to cool to room temperature. With the ignition ON, does the temperature gauge always read at the high end of the scale?	-	Go to Step 7	Go to Step 2
2	Disconnect the coolant temperature sensor (CTS) electrical connector. Does the temperature gauge indicator drop to the low end of the scale?	-	Go to Step 3	Go to Step 4
3	Replace the CTS. Is the repair complete?	-	System OK	-
4	Check for a short to ground between the CTS and the temperature gauge. Is there a short to ground?	-	Go to Step 5	Go to Step 6
5	Repair the short to ground. Is the repair complete?	-	System OK	-
6	Replace the temperature gauge. Is the repair complete?	-	System OK	-

Temperature Gauge Inoperative, Other Gauges OK (Cont'd)

Step	Action	Value(s)	Yes	No
7	1. Disconnect the CTS. 2. Turn the ignition ON. 3. Check the voltage at the CTS. Does the the voltage equal the value specified?	11-14 v	Go to Step 10	Go to Step 8
8	Check for an open circuit between the CTS and the temperature gauge. Is there an open circuit?	-	Go to Step 9	Go to Step 6
9	Repair the open circuit between the CTS and the temperature gauge. Is the repair complete?	-	System OK	-
10	1. Disconnect the CTS. 2. Connect a jumper wire between the CTS connector and ground. 3. Turn the ignition ON. Does the temperature gauge move to the high end of the scale?	-	Go to Step 3	Go to Step 6

INSTRUMENT CLUSTER INDICATOR LAMPS

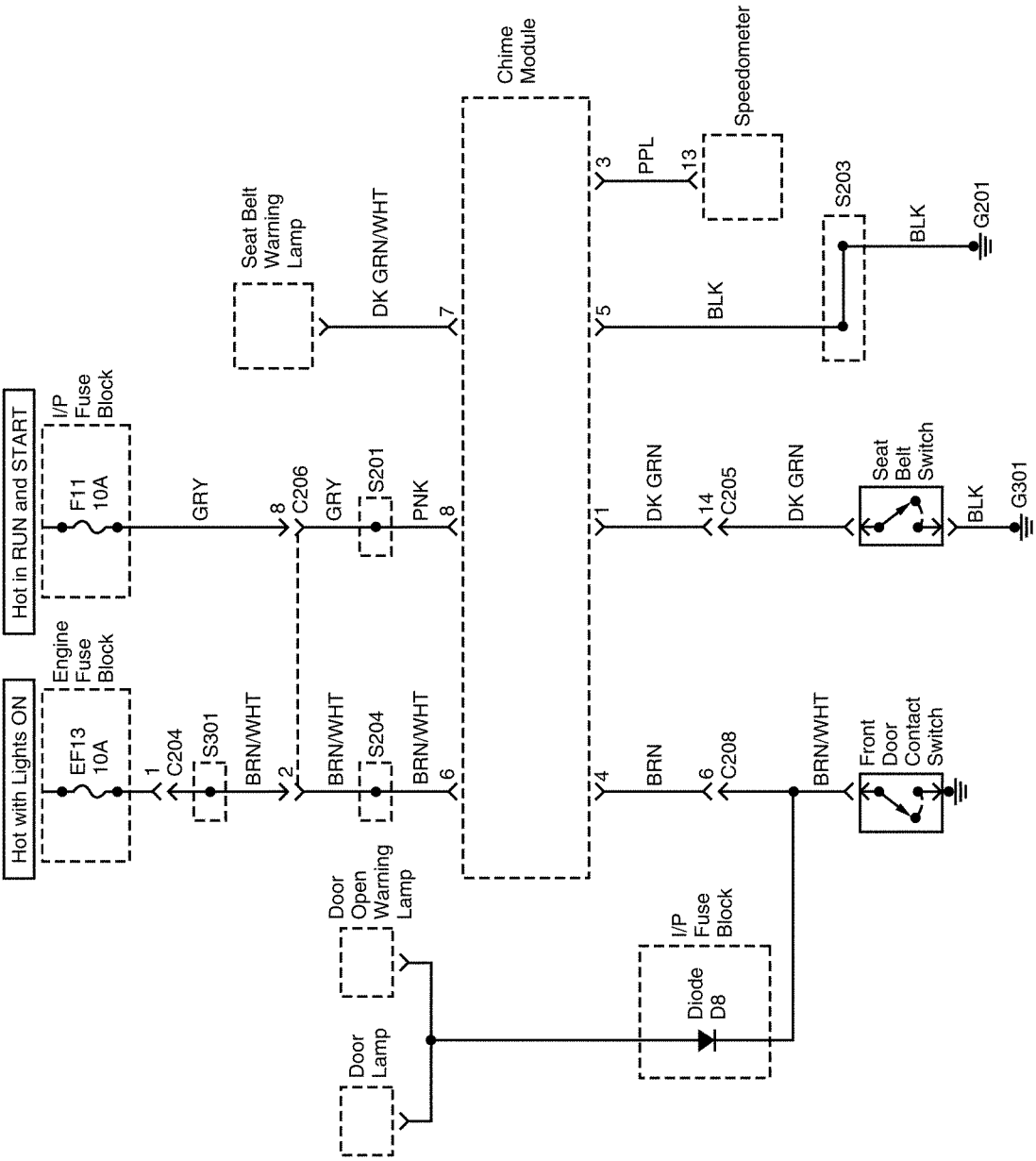


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INSTRUMENT CLUSTER INDICATOR LAMPS**Instrument Panel Warning Lamps Do Not Operate**

Step	Action	Value(s)	Yes	No
1	Check fuse F11. Is fuse F11 blown?	-	Go to Step 2	Go to Step 3
2	1. Check for a short circuit and repair it, if necessary. 2. Replace the blown fuse. Is the repair complete?	-	System OK	-
3	1. Turn the ignition ON. 2. Check the voltage at fuse F11. Does the battery voltage match the value specified?	11-14 v	Go to Step 5	Go to Step 4
4	Repair the open power supply circuit to fuse F11. Is the repair complete?	-	System OK	-
5	1. Remove the instrument cluster. 2. Disconnect the instrument cluster connectors B (terminals 9-20) and C (terminals 21-30). 3. Turn the ignition ON. 4. Check the voltage at terminals 9 and 25. Does the battery voltage match the value specified?	11-14 v	Go to Step 7	Go to Step 6
6	Repair the open circuit between fuse F11 and the instrument cluster connectors 9 and 25. Is the repair complete?	-	System OK	-
7	Check the instrument cluster indicator lamp bulbs. Are the bulbs OK?	-	Go to Step 9	Go to Step 8
8	1. Replace any warning lamp bulbs that are defective. 2. Check the charging system to make sure the alternator is not overcharging. 3. Repair the charging system, if necessary. Is the repair complete?	-	System OK	-
9	Replace the instrument cluster. Is the repair complete?	-	System OK	-

CHIME MODULE



CHIME MODULE**Seat Belt Warning Chime Inoperative**

Step	Action	Value(s)	Yes	No
1	Check the chime module connector to make sure it is connected properly. Is the connector disconnected or partially disconnected?	-	Go to Step 2	Go to Step 3
2	Connect the electrical connector for the chime module. Is the repair complete?	-	System OK	-
3	Check fuse F11. Is fuse F11 blown?	-	Go to Step 4	Go to Step 5
4	1. Check for a short circuit and repair it, if necessary. 2. Replace the fuse. Is the repair complete?	-	System OK	-
5	1. Turn the ignition ON. 2. Check the voltage at fuse F11. Is the specified voltage available at fuse F11?	11-14 v	Go to Step 7	Go to Step 6
6	Repair the power supply circuit for fuse F11. Is the repair complete?	-	System OK	-
7	1. Disconnect the chime module. 2. Turn the ignition ON. 3. Check the voltage at terminal 8 of the chime module connector. Does the voltage equal the specified value?	11-14 v	Go to Step 9	Go to Step 8
8	Repair the open circuit between fuse F11 and the chime module connector. Is the repair complete?	-	System OK	-
9	With the chime module disconnected, use an ohmmeter to check continuity between terminal 5 of the chime module connector and ground. Does the ohmmeter indicate the specified value?	0	Go to Step 11	Go to Step 10
10	Repair the open circuit between terminal 5 of the chime module connector and ground. Is the repair complete?	-	System OK	-
11	1. Disconnect the chime module connector. 2. Make sure that the driver seat belt is unfastened. 3. Use an ohmmeter to check continuity between ground and terminal 1 of the chime module. Does the ohmmeter indicate the specified value?	0	Go to Step 12	Go to Step 13
12	Replace the chime module. Is the repair complete?	-	System OK	-
13	1. Disconnect the seat belt switch. 2. Make sure that the driver seat belt is unfastened. 3. Use an ohmmeter to check the continuity of the switch. Does the ohmmeter indicate the specified value?	0	Go to Step 15	Go to Step 14
14	Replace the seat belt switch. Is the repair complete?	-	System OK	-

Seat Belt Warning Chime Inoperative (Cont'd)

Step	Action	Value(s)	Yes	No
15	Use an ohmmeter to check continuity of the wire between terminal 1 of the chime module and the seat belt switch. Does the ohmmeter indicate the specified value?	0	Go to Step 17	Go to Step 16
16	Repair the open circuit between terminal 1 of the chime module and the seat belt switch. Is the repair complete?	-	System OK	-
17	Repair the open circuit between the seat belt switch connector and ground. Is the repair complete?	-	System OK	-

Door-Open Warning Chime Inoperative

Step	Action	Value(s)	Yes	No
1	Check the chime module connector to make sure it is connected properly. Is the connector disconnected or partially disconnected?	-	Go to Step 2	Go to Step 3
2	Connect the electrical connector for the chime module. Is the repair complete?	-	System OK	-
3	Check fuse F11. Is fuse F11 blown?	-	Go to Step 4	Go to Step 5
4	1. Check for a short circuit and repair it, if necessary. 2. Replace the fuse. Is the repair complete?	-	System OK	-
5	1. Turn the ignition ON. 2. Check the voltage at fuse F11. Is the specified voltage available at fuse F11?	11-14 v	Go to Step 7	Go to Step 6
6	Repair the power supply circuit for fuse F11. Is the repair complete?	-	System OK	-
7	1. Disconnect the chime module. 2. Turn the ignition ON. 3. Check the voltage at terminal 8 of the chime module connector. Does the voltage equal the specified value?	11-14 v	Go to Step 9	Go to Step 8
8	Repair the open circuit between fuse F11 and the chime module connector. Is the repair complete?	-	System OK	-
9	With the chime module disconnected, use an ohmmeter to check continuity between terminal 5 of the chime module connector and ground. Does the ohmmeter indicate the specified value?	0	Go to Step 11	Go to Step 10
10	Repair the open circuit between terminal 5 of the chime module connector and ground. Is the repair complete?	-	System OK	-

Door-Open Warning Chime Inoperative (Cont'd)

Step	Action	Value(s)	Yes	No
11	1. Disconnect the chime module connector. 2. Make sure that the driver door is open. 3. Use an ohmmeter to check continuity between ground and terminal 4 of the chime module. Does the ohmmeter indicate the specified value?	0	Go to Step 12	Go to Step 13
12	Replace the chime module. Is the repair complete?	-	System OK	-
13	1. Disconnect the front door contact switch. 2. Use an ohmmeter to check the continuity between the door contact switch and terminal 4 of the chime module. Does the ohmmeter indicate the specified value?	0	Go to Step 15	Go to Step 14
14	Repair the open circuit between the door contact switch and terminal 4 of the chime module. Is the repair complete?	-	System OK	-
15	Replace the door contact switch. Is the repair complete?	-	System OK	-

Vehicle Speed Warning Chime Inoperative

Step	Action	Value(s)	Yes	No
1	Check the speedometer to make sure it is operating properly. Is the speedometer operating properly?	-	Go to Step 3	Go to Step 2
2	Repair the speedometer. Is the repair complete?	-	System OK	-
3	Check the chime module connector to make sure it is connected properly. Is the connector disconnected or partially disconnected?	-	Go to Step 4	Go to Step 5
4	Connect the electrical connector for the chime module. Is the repair complete?	-	System OK	-
5	Check fuse F11. Is fuse F11 blown?	-	Go to Step 6	Go to Step 7
6	1. Check for a short circuit and repair it, if necessary. 2. Replace the fuse. Is the repair complete?	-	System OK	-
7	1. Turn the ignition ON. 2. Check the voltage at fuse F11. Is the specified voltage available at fuse F11?	11-14 v	Go to Step 9	Go to Step 8
8	Repair the power supply circuit for fuse F11. Is the repair complete?	-	System OK	-
9	1. Disconnect the chime module. 2. Turn the ignition ON. 3. Check the voltage at terminal 8 of the chime module connector. Does the voltage equal the specified value?	11-14 v	Go to Step 11	Go to Step 10

Vehicle Speed Warning Chime Inoperative

Step	Action	Value(s)	Yes	No
10	Repair the open circuit between fuse F11 and the chime module connector. Is the repair complete?	-	System OK	-
11	With the chime module disconnected, use an ohmmeter to check continuity between terminal 5 of the chime module connector and ground. Does the ohmmeter indicate the specified value?	0	Go to Step 13	Go to Step 12
12	Repair the open circuit between terminal 5 of the chime module connector and ground. Is the repair complete?	-	System OK	-
13	1. Disconnect the chime module connector. 2. Disconnect the instrument cluster connector. 3. Use an ohmmeter to check continuity between the chime module connector terminal 3 and the instrument cluster connector terminal 13. Does the ohmmeter indicate the specified value?	0	Go to Step 14	Go to Step 15
14	Replace the chime module. Is the repair complete?	-	System OK	-
15	Replace the speedometer. Is the repair complete?	-	System OK	-

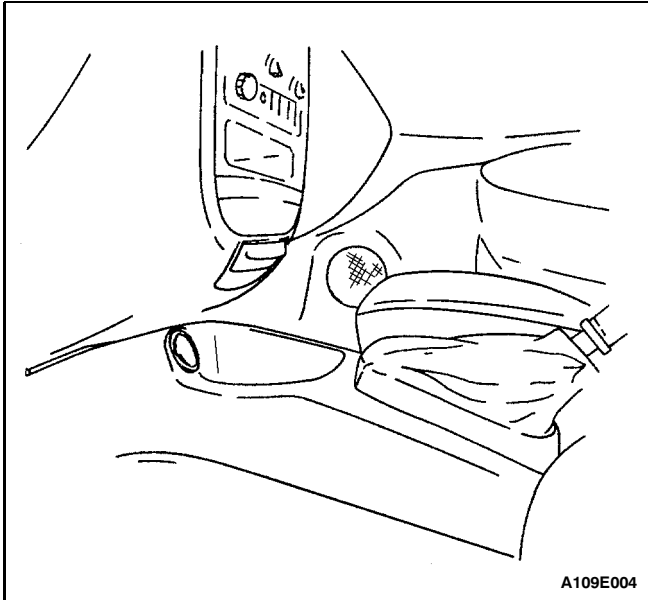
MAINTENANCE AND REPAIR

ON-VEHICLE SERVICE

CIGAR LIGHTER

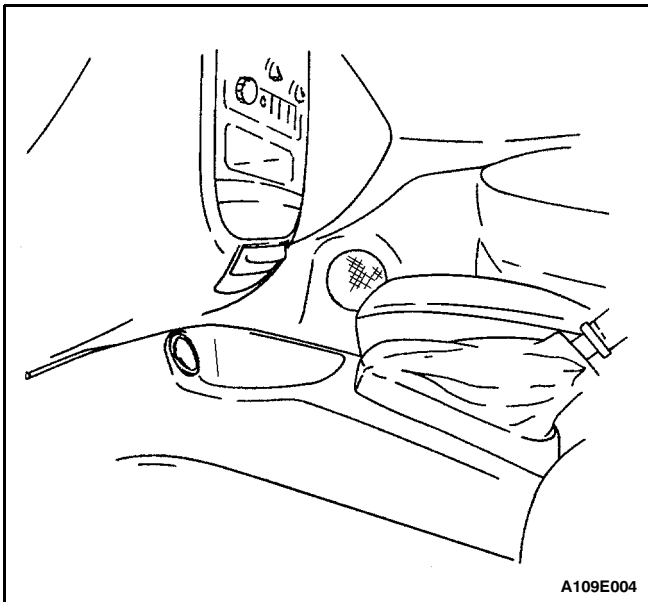
Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the cigar lighter from the cigar lighter housing.
3. Remove the cigar lighter housing from the floor console.
4. Disconnect the cigar lighter electrical connector.



Installation Procedure

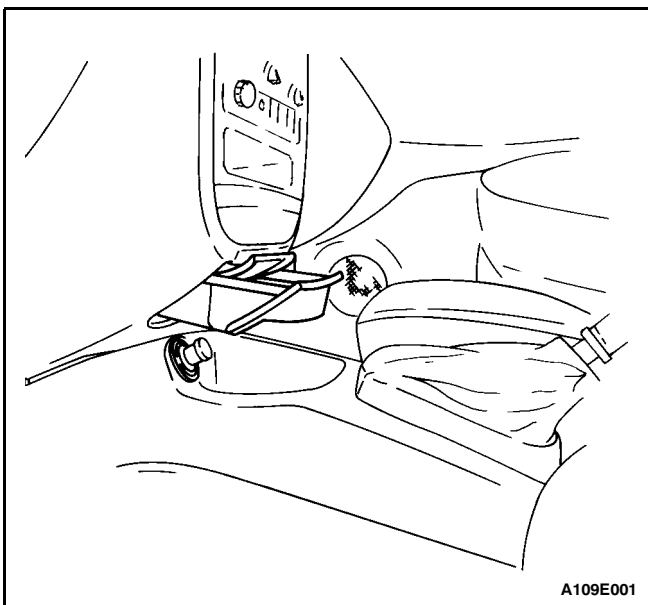
1. Connect the cigar lighter electrical connector.
2. Install the cigar lighter housing in the floor console.
3. Install the cigar lighter in the cigar lighter housing.
4. Connect the negative battery cable.

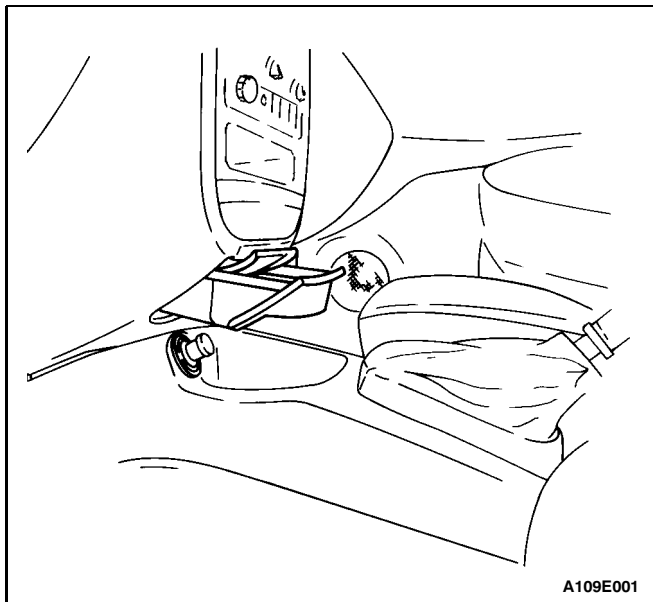


ASHTRAY

Removal Procedure

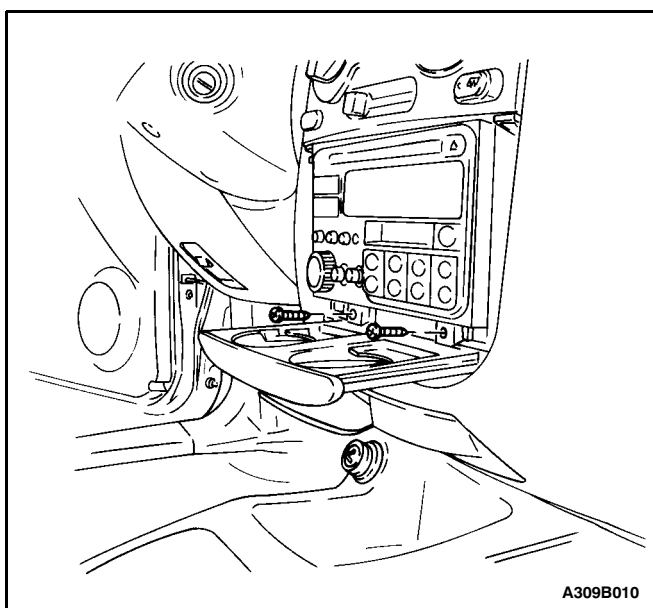
1. Disconnect the negative battery cable.
2. Remove the ashtray.
3. Disconnect the ashtray electrical connector.





Installation Procedure

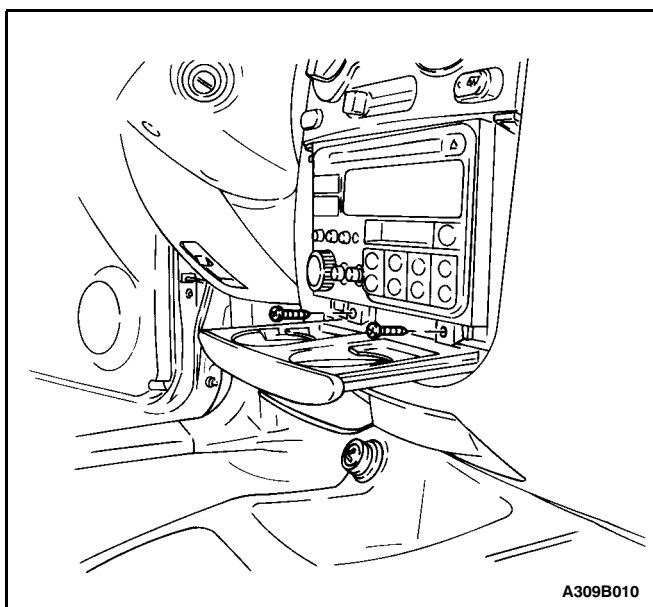
1. Connect the ashtray electrical connector.
2. Install the ashtray.
3. Connect the negative battery cable.



CUPHOLDER

Removal Procedure

1. Remove the audio system trim panel.
2. Remove the screws and the cupholder.



Installation Procedure

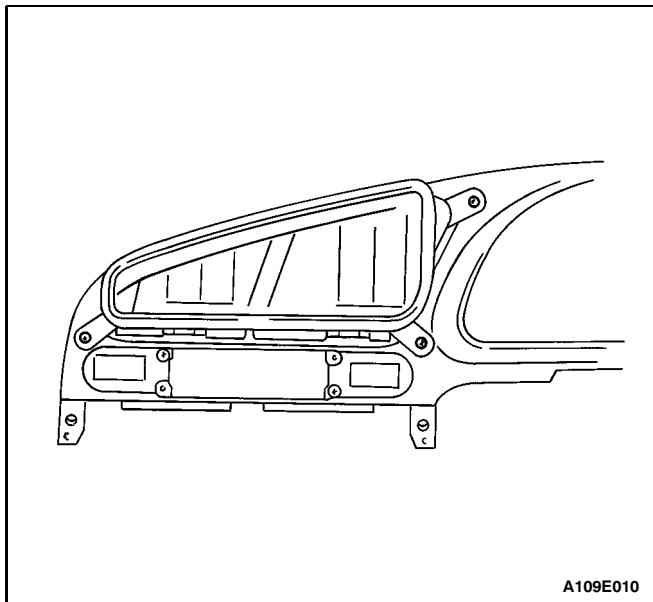
Notice: Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

1. Install the cupholder with the screws.

Tighten

Tighten the cupholder screws to 2.5 Nm (22 lb-in).

2. Install the audio system trim panel.

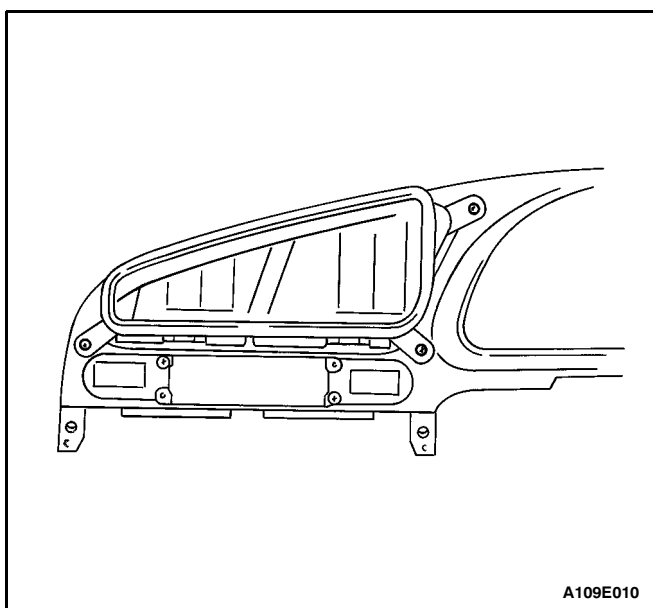


A109E010

INSTRUMENT CLUSTER TRIM PANEL VENTS

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
3. Remove the screws and the air deflectors.



A109E010

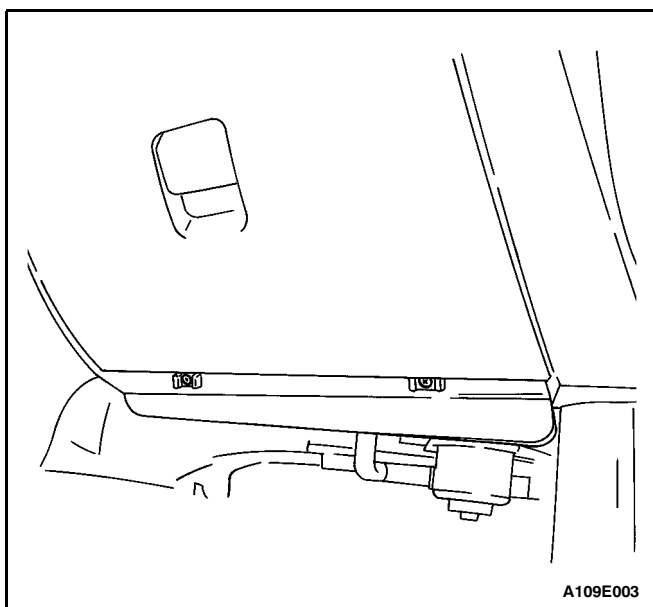
Installation Procedure

1. Install the air deflectors with the screws.

Tighten

Tighten the air deflector screws to 2 N•m (18 lb-in).

2. Install the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
3. Connect the negative battery cable.



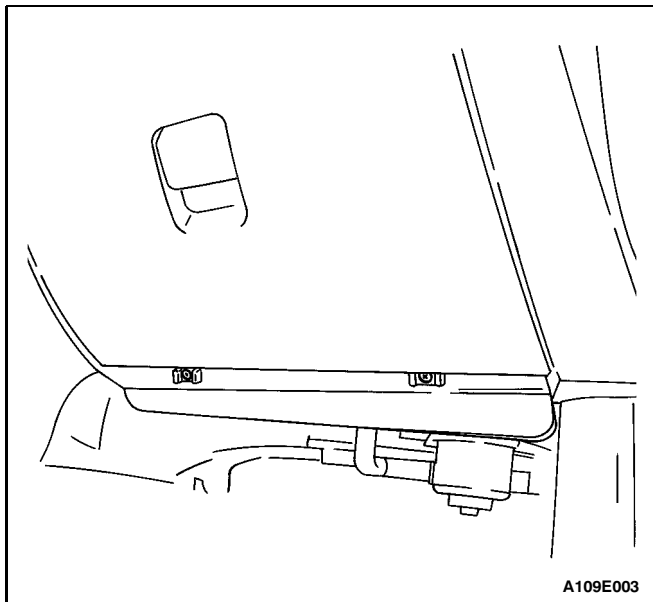
A109E003

GLOVE BOX

(Typical)

Removal Procedure

1. Remove the screws at the base of the glove box.
2. Open and remove the glove box.

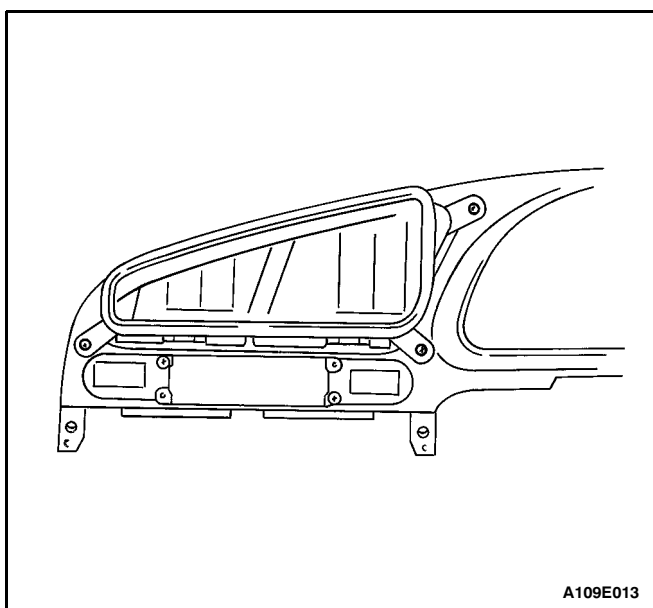


Installation Procedure

1. Position the glove box in the instrument panel.
2. Install the glove box with the screws.

Tighten

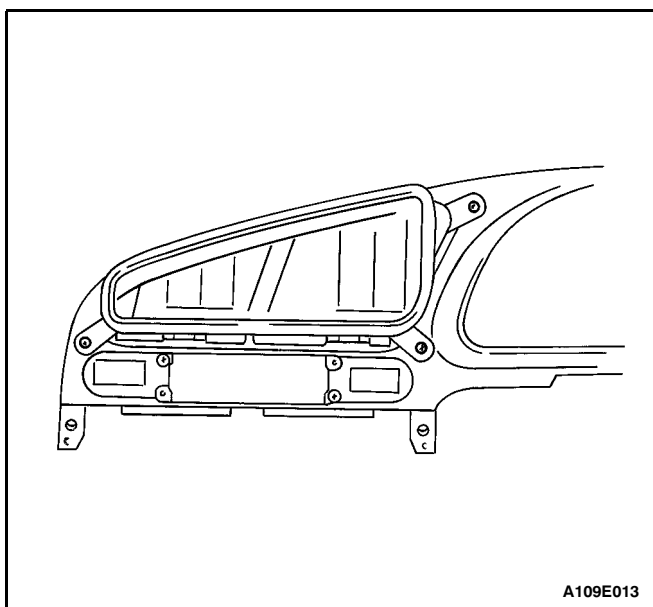
Tighten the glove box screws to 5.5 N•m (49 lb-in).



DIGITAL CLOCK

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
3. Remove the screws and the clock.



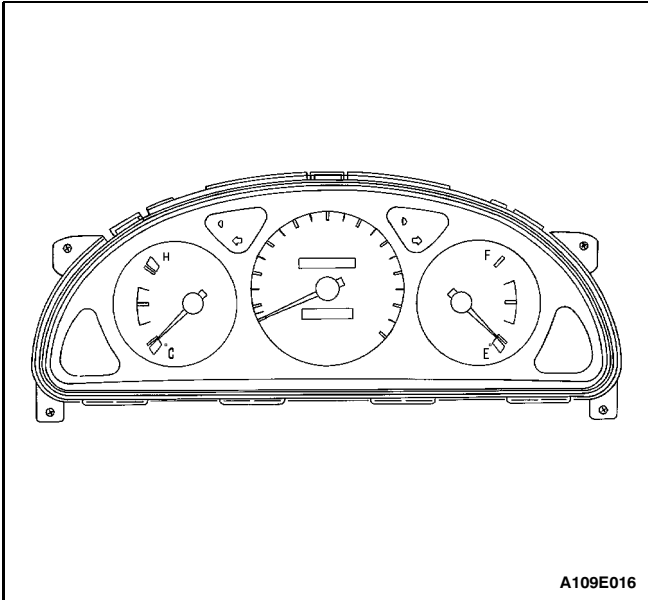
Installation Procedure

1. Install the clock with the screws.

Tighten

Tighten the clock screws to 2 N•m (18 lb-in).

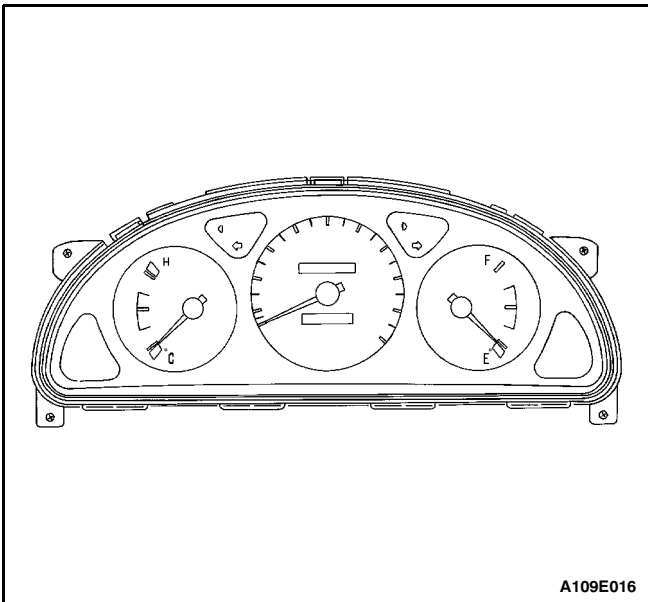
2. Install the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
3. Connect the negative battery cable.



INSTRUMENT CLUSTER (STANDARD)

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
3. Remove the screws and the instrument cluster.
4. Disconnect the electrical connectors.



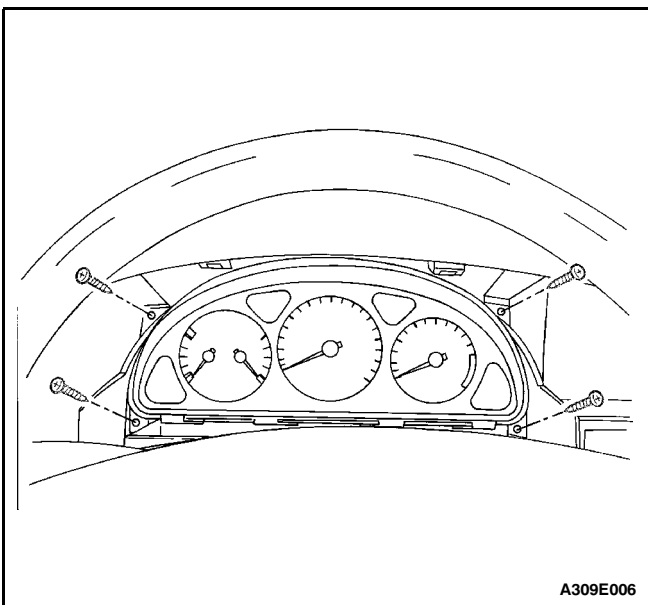
Installation Procedure

1. Connect the electrical connectors.
2. Install the instrument cluster with the screws.

Tighten

Tighten the instrument cluster screws to 2 N•m (18 lb-in).

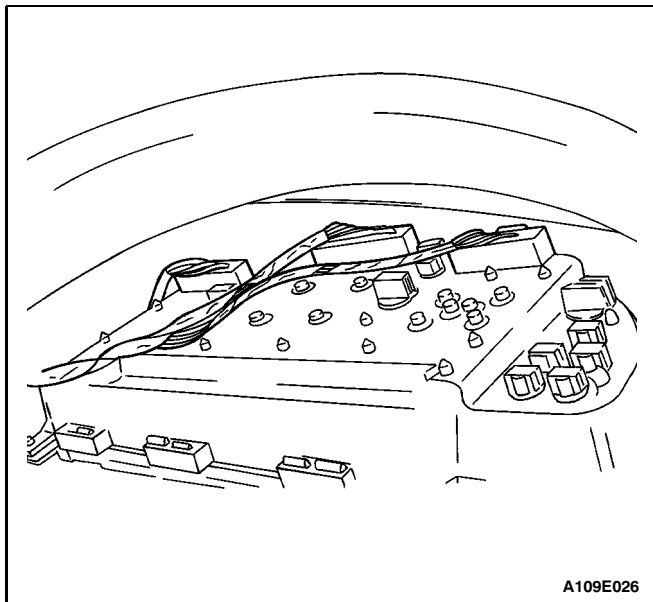
3. Install the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
4. Connect the negative battery cable.



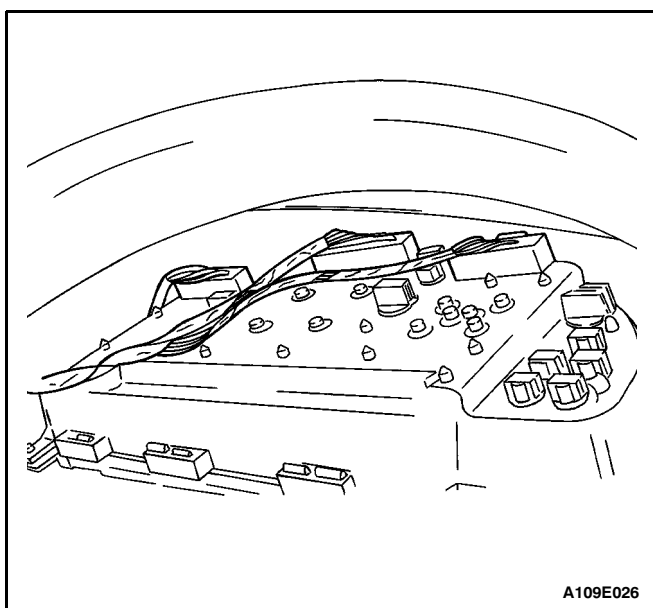
INSTRUMENT CLUSTER (DELUXE)

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
3. Remove the screws and the instrument cluster.

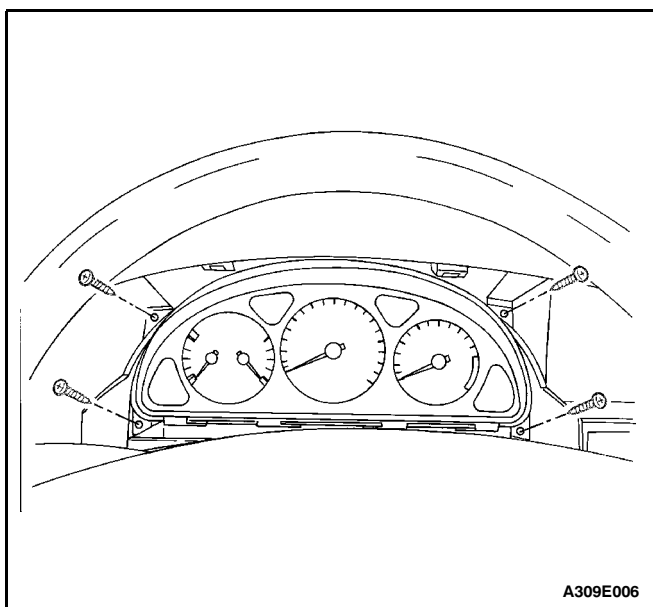


4. Disconnect the instrument cluster electrical connectors.



Installation Procedure

1. Connect the instrument cluster electrical connectors.

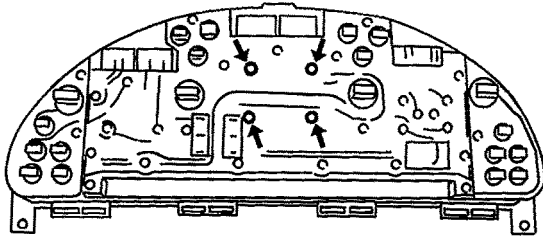


2. Install the instrument cluster with the screws.

Tighten

Tighten the instrument cluster screws to 2 N•m (18 lb-in).

3. Install the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
4. Connect the negative battery cable.



A109E006

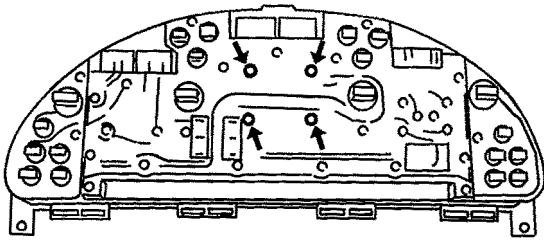
SPEEDOMETER/ODOMETER/TRIP ODOMETER

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster. Refer to "Instrument Cluster (Standard)" or "Instrument Cluster (Deluxe)" in this section.
3. Remove the instrument cluster lens and the face plate.
4. Remove the screws and the speedometer/odometer from the instrument cluster.

Installation Procedure

1. Install the speedometer/odometer to the instrument cluster with the screws.
2. Install the instrument cluster lens and the face plate.
3. Install the instrument cluster. Refer to "Instrument Cluster (Standard)" or "Instrument Cluster (Deluxe)" in this section.
4. Connect the negative battery cable.

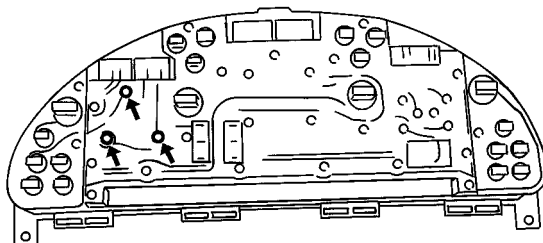


A109E006

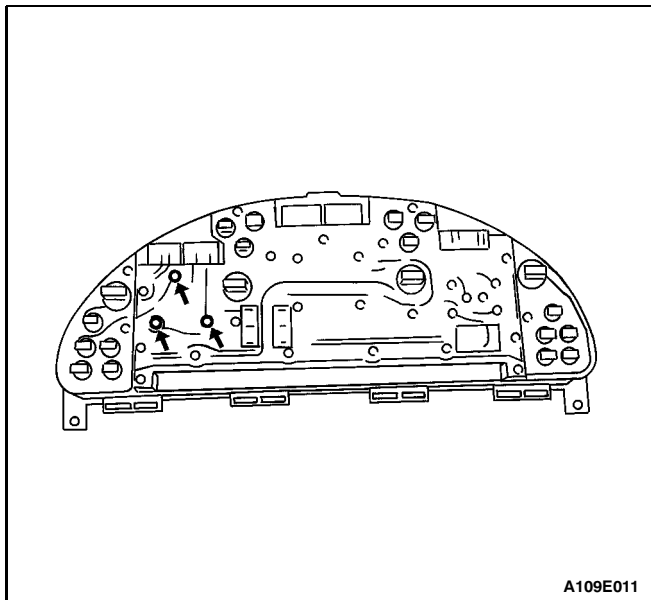
TACHOMETER

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster. Refer to "Instrument Cluster (Deluxe)" in this section.
3. Remove the instrument cluster lens and the face plate.
4. Remove the screws and the tachometer from the instrument cluster.

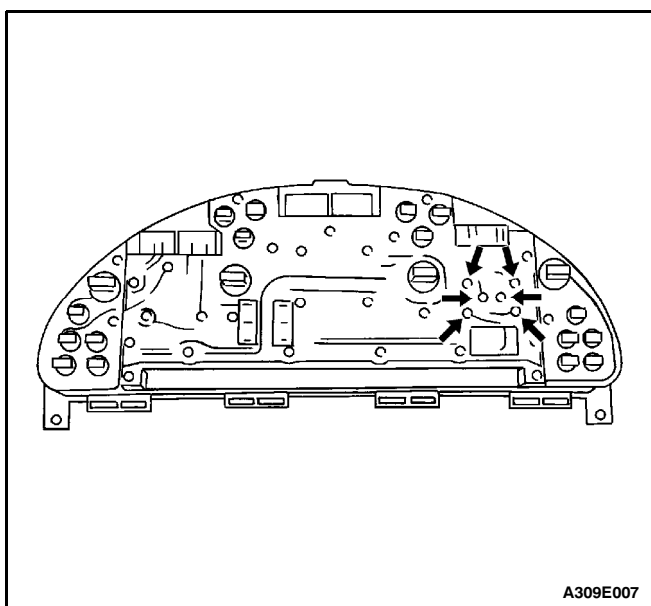


A109E011



Installation Procedure

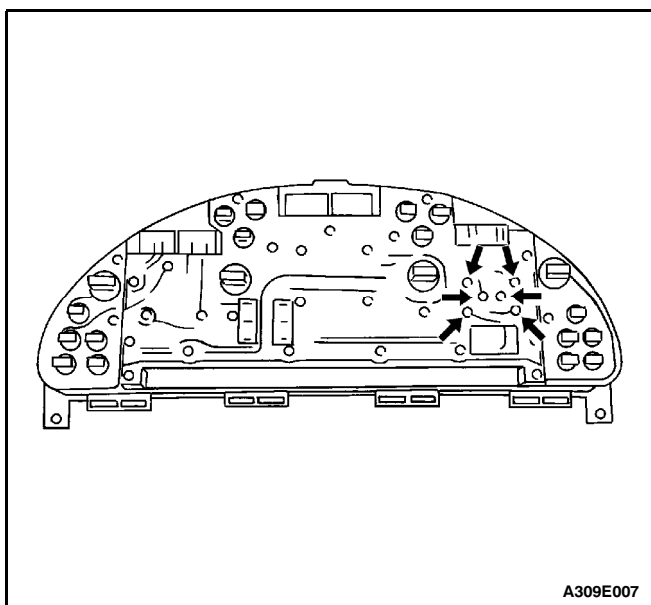
1. Install the tachometer to the instrument cluster with the screws.
2. Install the instrument cluster lens and the face plate.
3. Install the instrument cluster. Refer to "Instrument Cluster (Deluxe)" in this section.
4. Connect the negative battery cable.



TEMPERATURE GAUGE AND FUEL GAUGE (DELUXE CLUSTER)

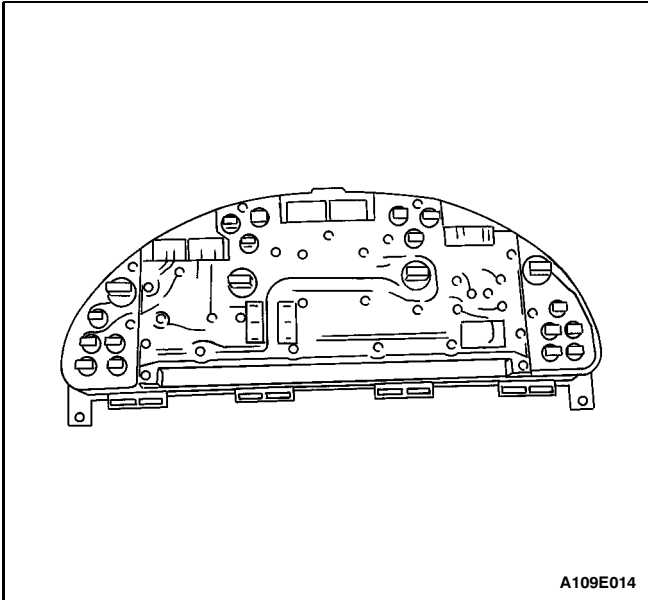
Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster. Refer to "Instrument Cluster (Standard)" or "Instrument Cluster (Deluxe)" in this section.
3. Remove the instrument cluster lens and the face plate.
4. Remove the screws, the temperature gauge, and fuel gauge from the cluster assembly.



Installation Procedure

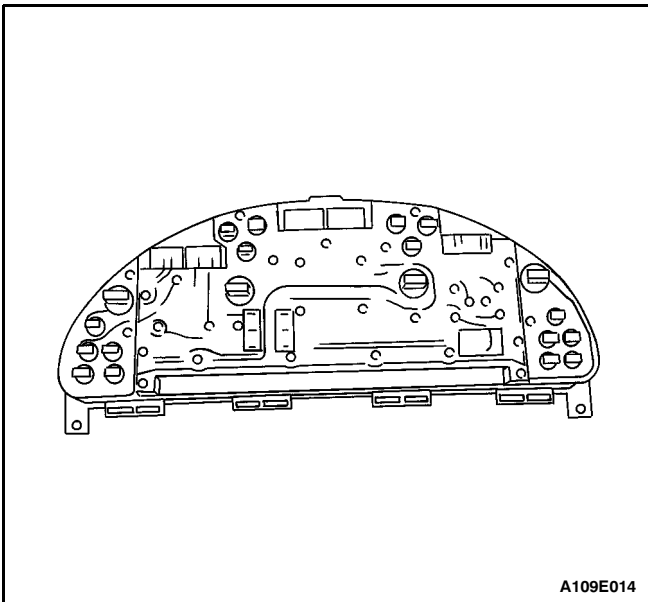
1. Install the temperature gauge and fuel gauge to the cluster assembly with the screws.
2. Install the instrument cluster lens and the face plate.
3. Install the instrument cluster. Refer to "Instrument Cluster (Standard)" or "Instrument Cluster (Deluxe)" in this section.
4. Connect the negative battery cable.



INSTRUMENT CLUSTER INDICATOR LAMPS

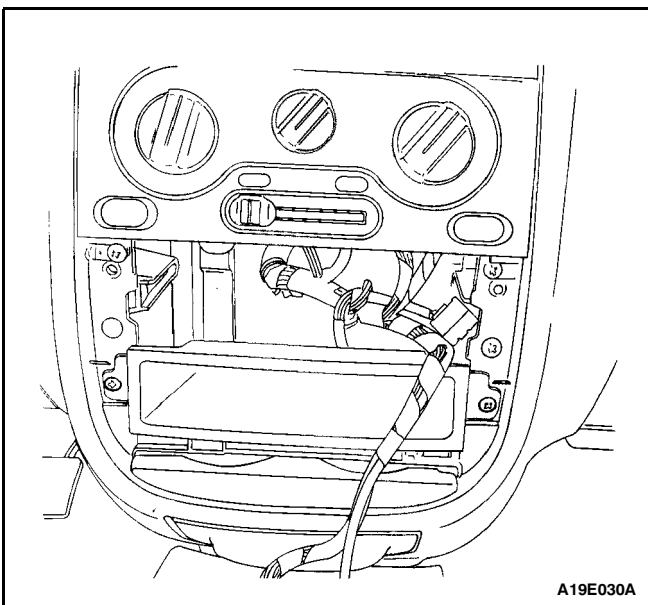
Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster. Refer to "Instrument Cluster (Standard)" or "Instrument Cluster (Deluxe)" in this section.
3. Remove the bulb from the rear of the cluster.



Installation Procedure

1. Install the new bulb.
2. Install the instrument cluster. Refer to "Instrument Cluster (Standard)" or "Instrument Cluster (Deluxe)" in this section.
3. Connect the negative battery cable.

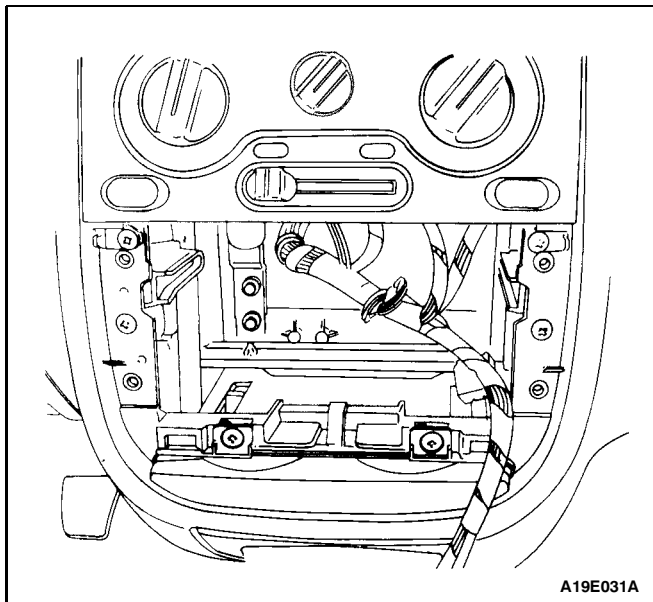


INSTRUMENT PANEL

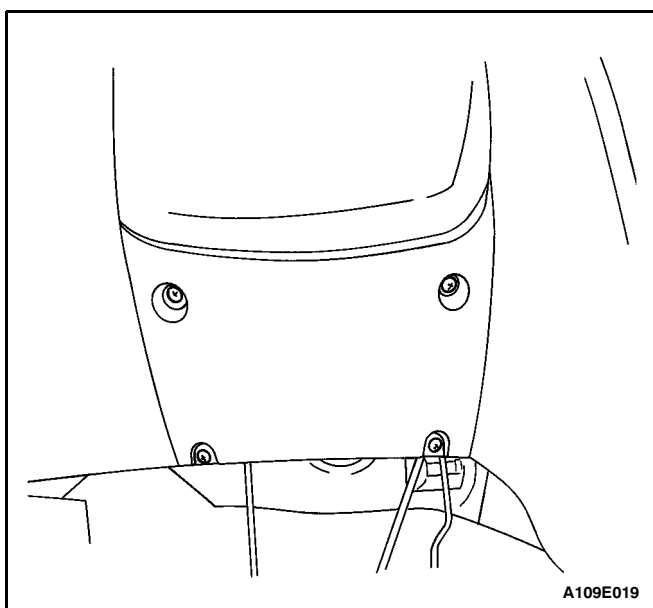
(Typical)

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the glove box. Refer to "Glove Box" in this section.
3. Remove the audio system. Refer to Section 9F, Audio Systems.
4. Remove the screws and the deposit box.



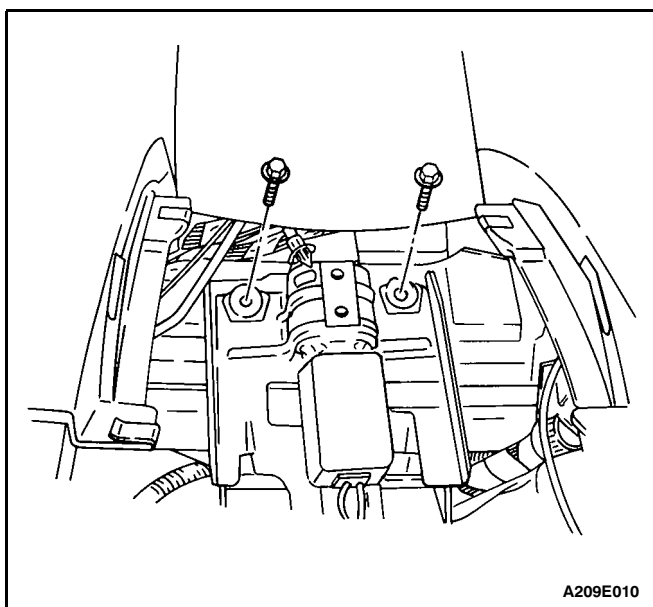
5. Remove the screws and the cupholder.



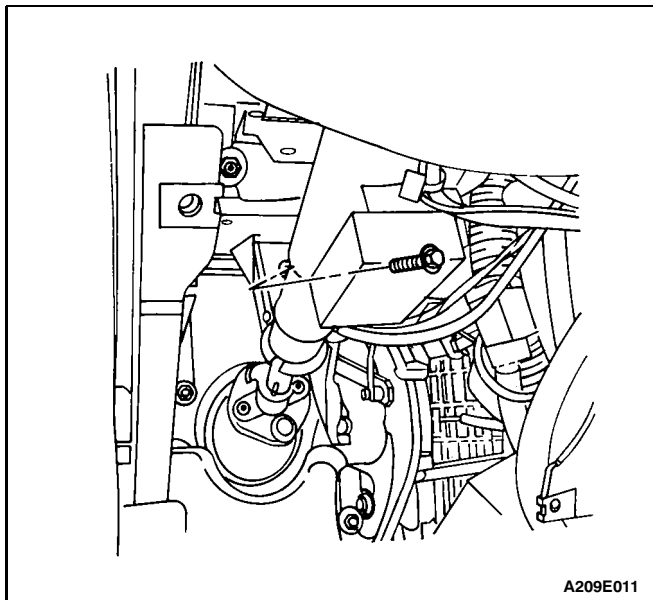
6. Remove the instrument cluster. Refer to "Instrument Cluster (Deluxe)" or "Instrument Cluster (Standard)" in this section.

7. Remove the hood latch release handle. Refer to Section 9R, Body Front End.

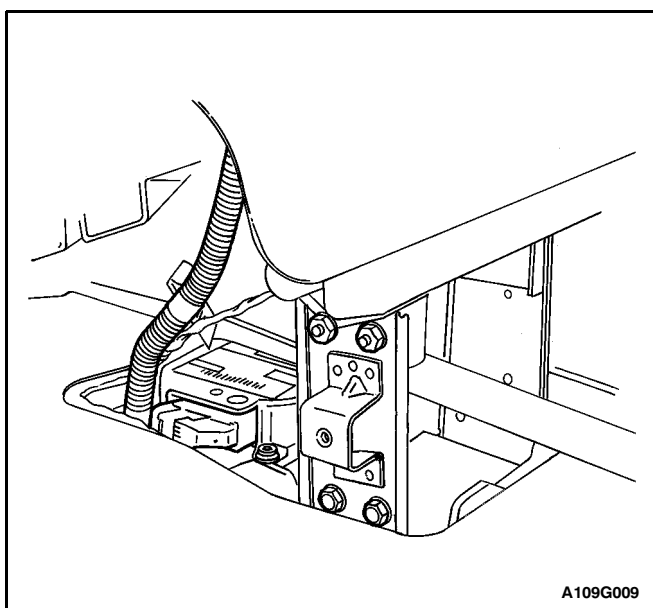
8. Remove the screws and the steering column lower trim cover.



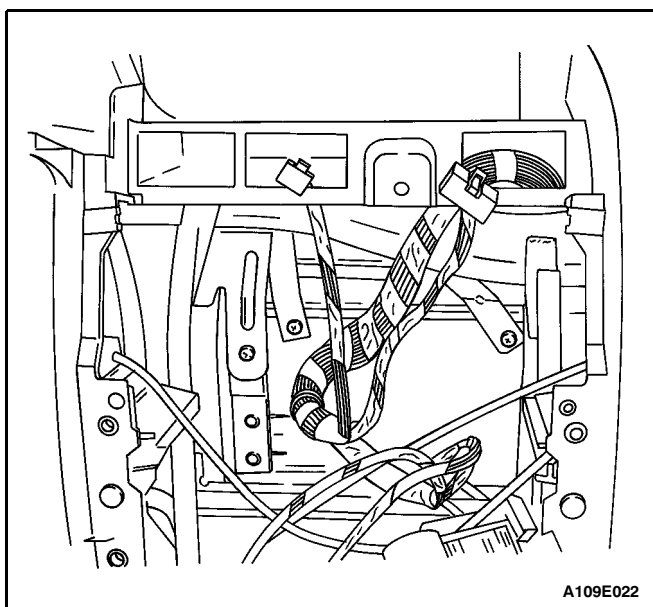
9. Remove the nuts and the steering column U-clamp.



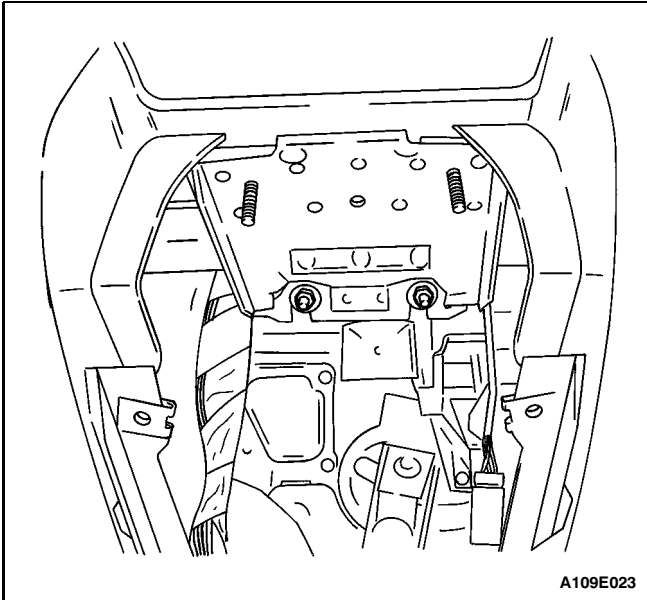
10. Remove the nut from the steering column bracket and lower the steering column.



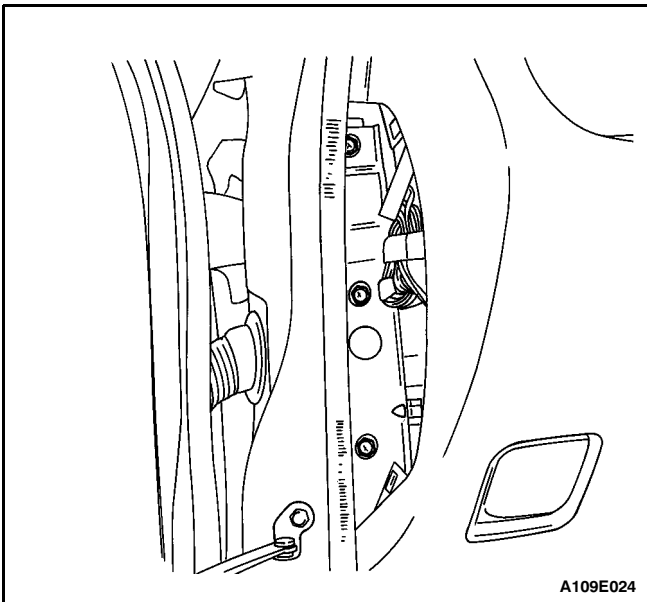
11. Remove the floor console. Refer to Section 9G, Interior Trim.
12. Remove the nuts, the bolts, and the floor console braces.



13. Remove the instrument panel bolts behind the heating, ventilation, and air conditioning (HVAC) controls.

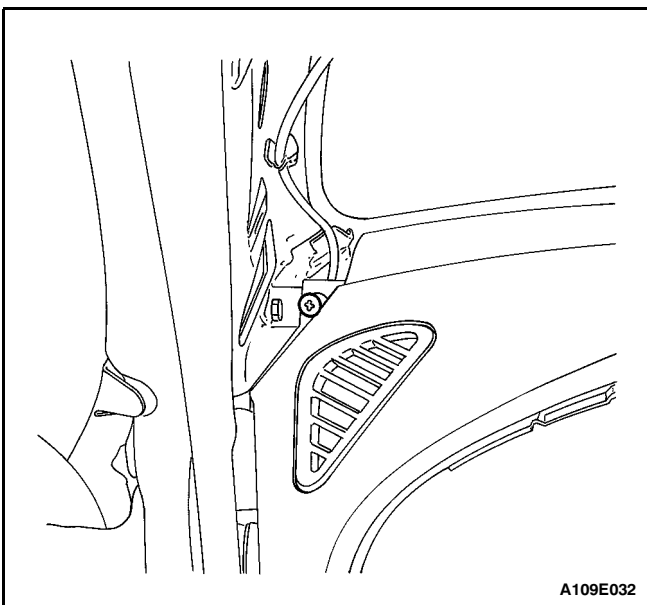


14. Remove the instrument panel nuts above the steering column.



15. Remove the trim panels from the ends of the instrument panel to reveal the instrument panel bolts.

16. Remove the instrument panel bolts.

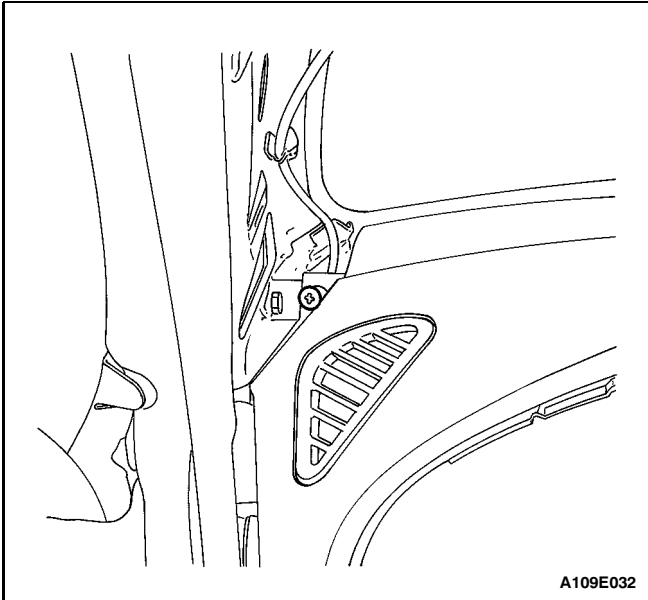


17. Remove the A-pillar trim panels to reveal the instrument panel screws.

18. Remove the instrument panel end screws.

19. Disconnect the electrical connectors.

20. Remove the instrument panel from the vehicle.

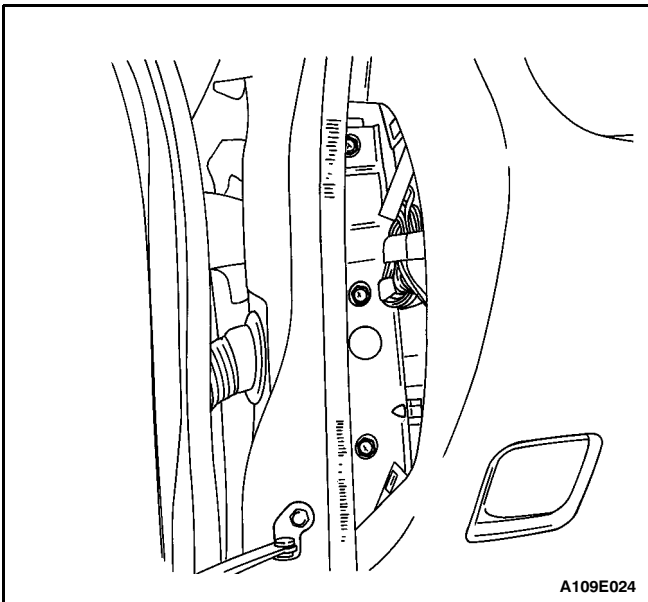


Installation Procedure

1. Position the instrument panel in the vehicle.
2. Connect the electrical connectors.
3. Install the screws on the ends of the instrument panel.

Tighten

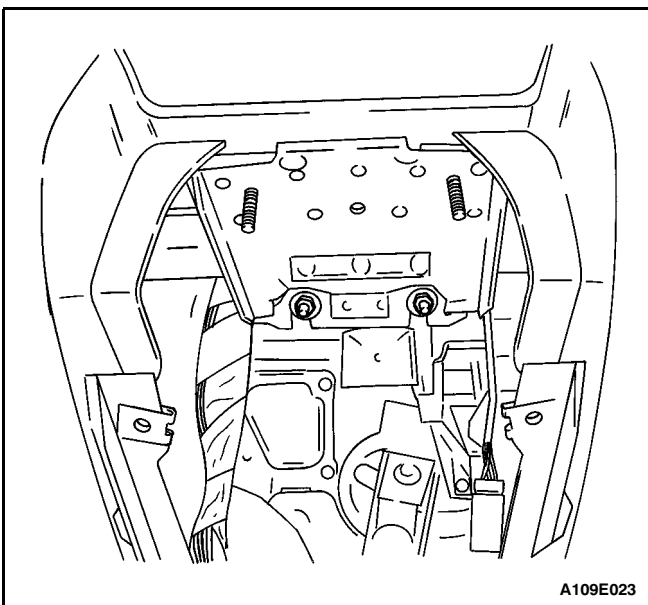
Tighten the instrument panel end screws to 7 N•m (63 lb-in).



4. Install the A-pillar trim panels.
5. Install the bolts on the ends of the instrument panel.

Tighten

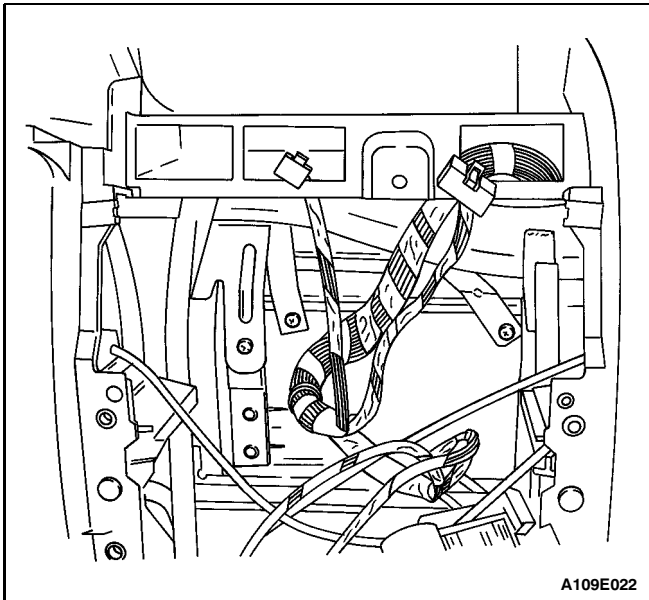
Tighten the instrument panel end bolts to 22 N•m (16 lb-ft).



6. Install the trim panels to the ends of the instrument panel.
7. Install the instrument panel nuts above the steering column.

Tighten

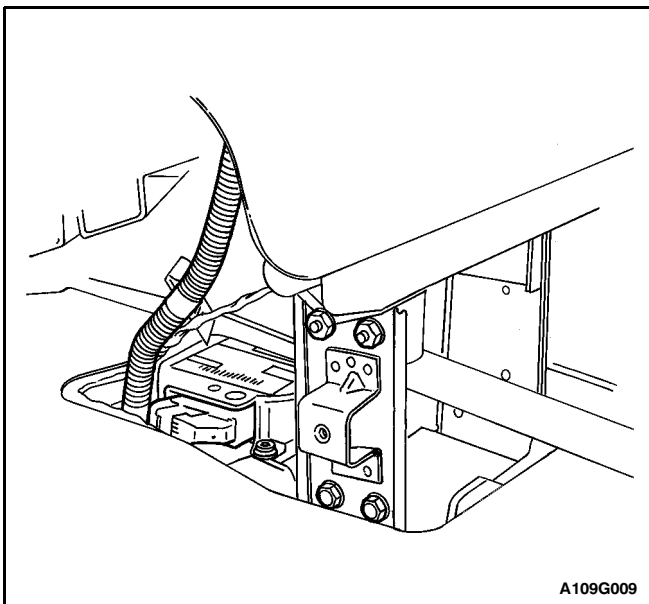
Tighten the instrument panel nuts above the steering column to 22 N•m (16 lb-ft).



8. Install the instrument panel bolts behind the HVAC controls.

Tighten

Tighten the instrument panel bolts behind the HVAC controls to 4 N•m (35 lb-in).

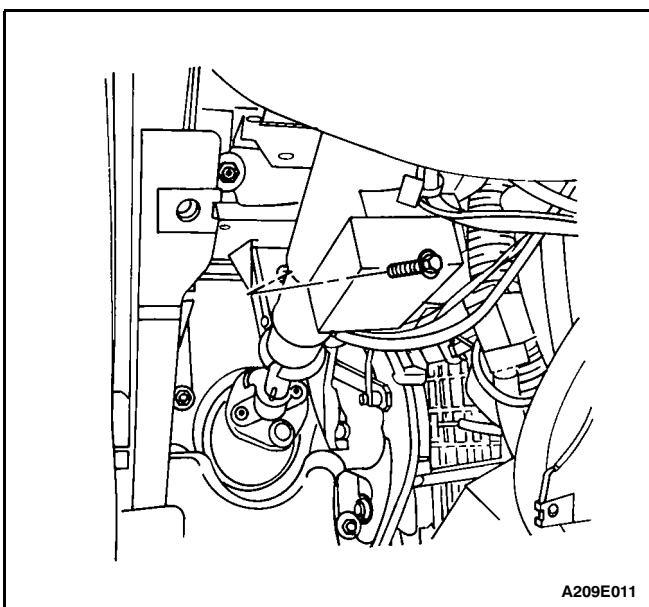


9. Install the floor console braces with the bolts and nuts.

Tighten

Tighten the floor console brace bolts to 5 N•m (44 lb-in).

Tighten the floor console brace nuts to 5 N•m (44 lb-in).

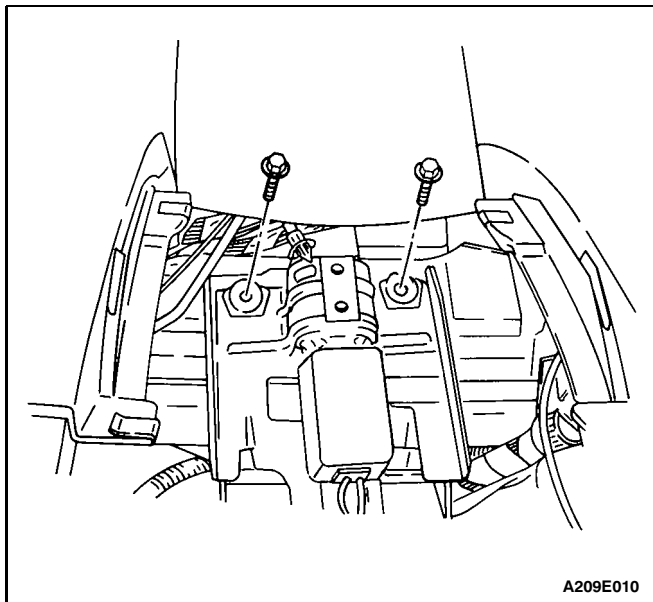


10. Install the floor console. Refer to Section 9G, Interior Trim.

11. Reposition the steering column. Secure the steering column bracket with the nut.

Tighten

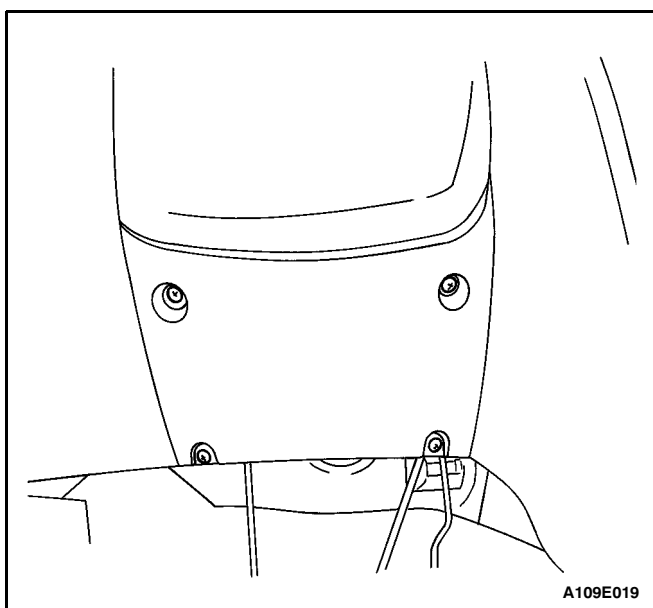
Tighten the steering column bracket nut to 22 N•m (16 lb-ft).



12. Install the steering column U-clamp with the nuts.

Tighten

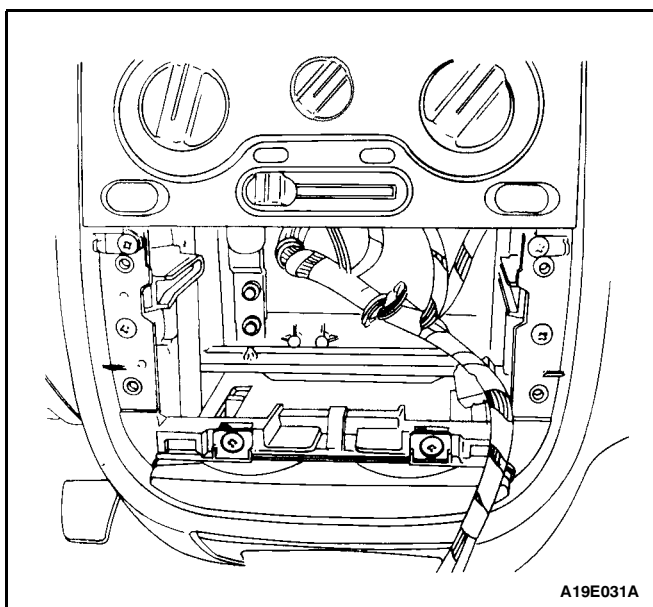
Tighten the steering column U-clamp nuts to 22 N•m (16 lb-ft).



13. Install the steering column lower trim cover with the screws.

Tighten

Tighten the steering column lower trim cover screws to 3 N•m (27 lb-in).



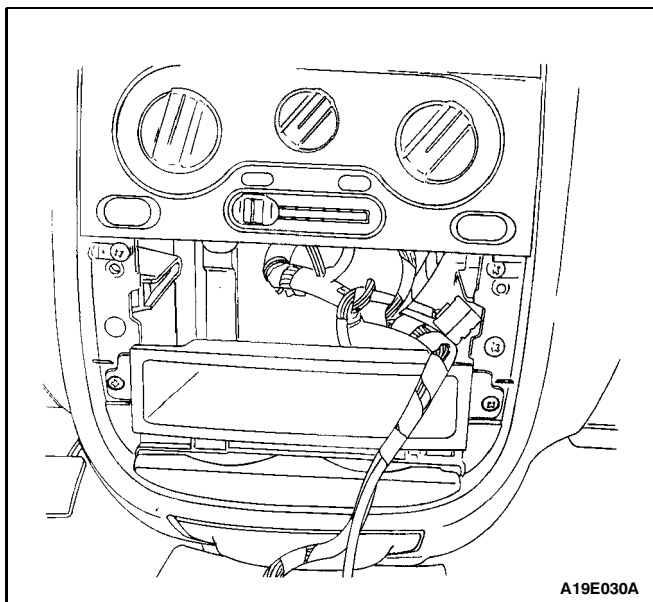
14. Install the hood latch release handle. Refer to Section 9R, Body Front End.

15. Install the instrument cluster. Refer to "Instrument Cluster (Deluxe)" or "Instrument Cluster (Standard)" in this section.

16. Install the cupholder with the screws.

Tighten

Tighten the cupholder screws to 2.5 N•m (22 lb-in).

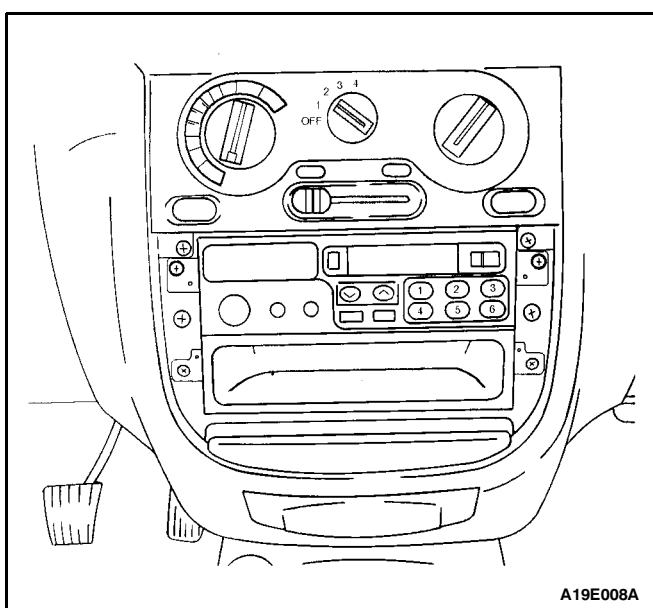


17. Install the deposit box with the screws.

Tighten

Tighten the deposit box screws to 2.5 N·m (22 lb-in).

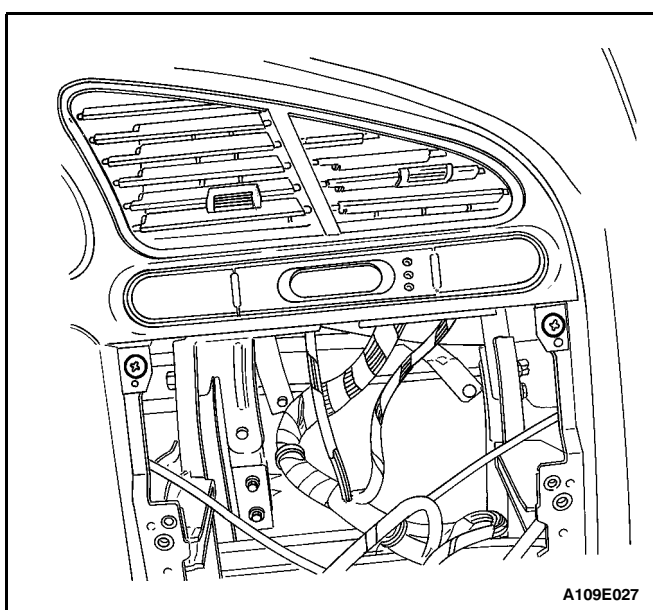
18. Install the audio system. Refer to Section 9F, Audio Systems.
19. Install the glove box. Refer to "Glove Box" in this section.
20. Connect the negative battery cable.

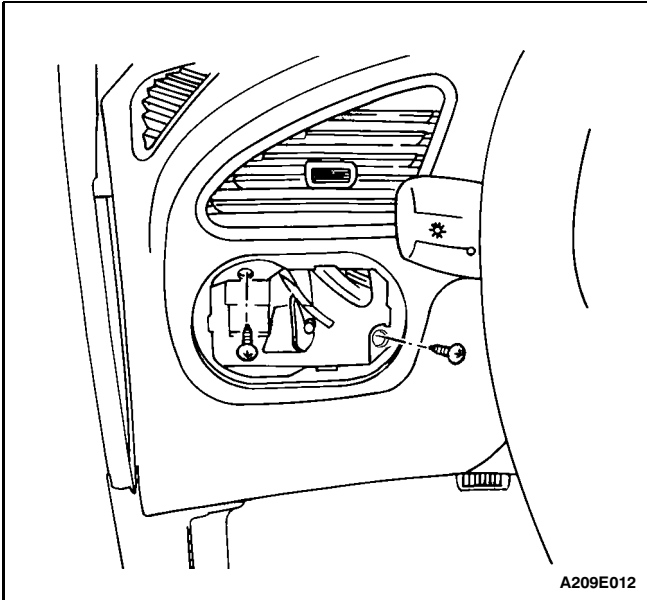


INSTRUMENT CLUSTER TRIM PANEL

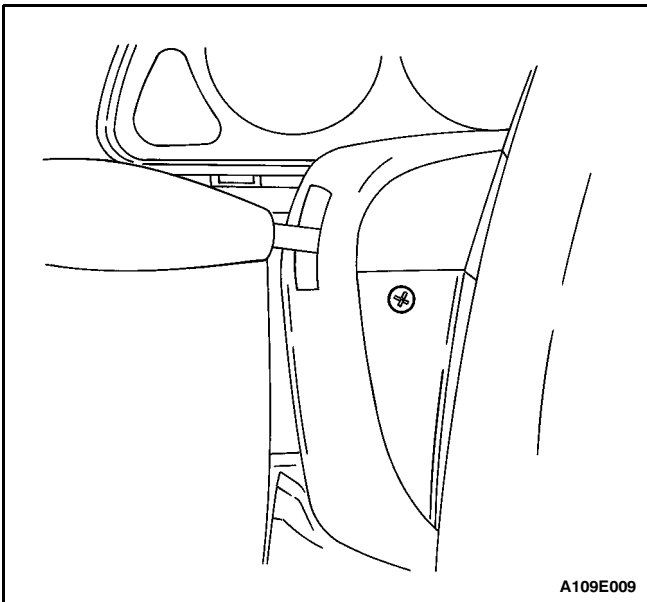
Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the audio system trim panel.
3. Remove the screws that secure the heating, ventilation, and air conditioning (HVAC) controls and reposition the HVAC controls.
4. Remove the instrument cluster trim panel screws above the HVAC controls.

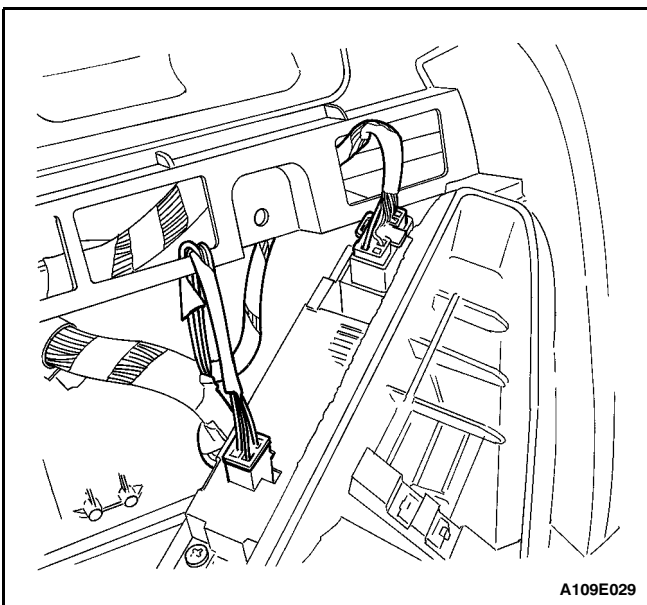




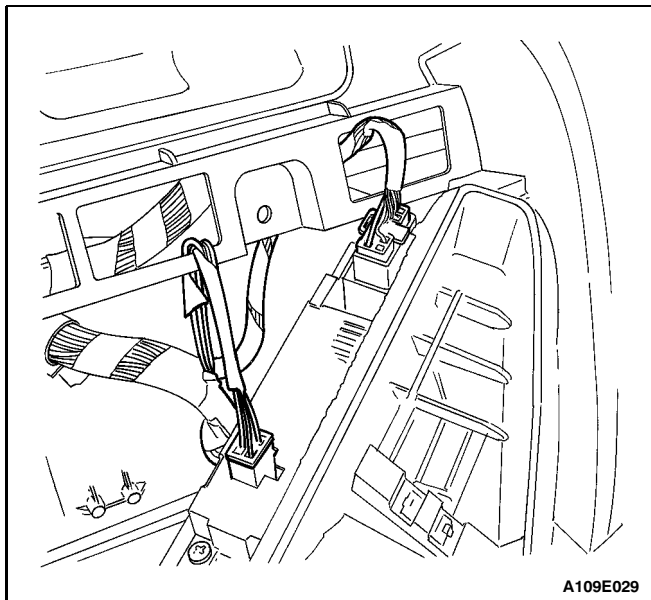
5. Remove the instrument cluster trim panel screws above the instrument cluster.
6. Remove the left side trim panel to reveal the instrument cluster trim panel screws.
7. Remove the instrument cluster trim panel screws on the left side.



8. Remove the screws and the steering column upper trim cover.

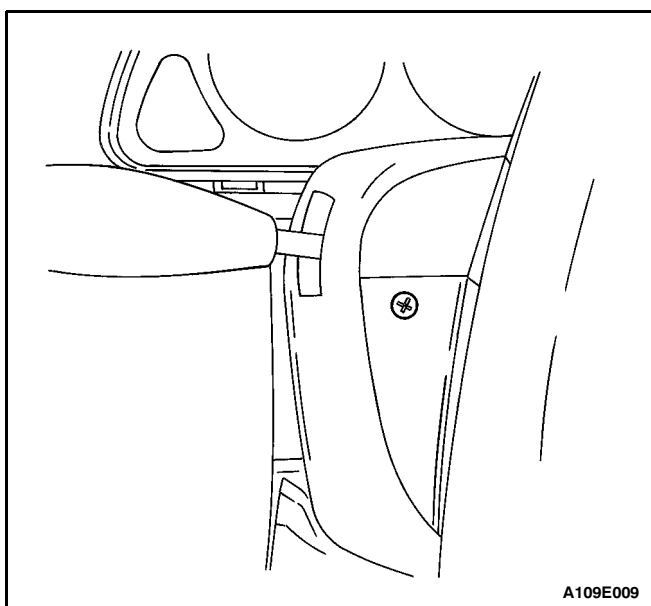


9. Remove the instrument cluster trim panel.
10. Disconnect the electrical connectors.



Installation Procedure

1. Connect the electrical connectors.

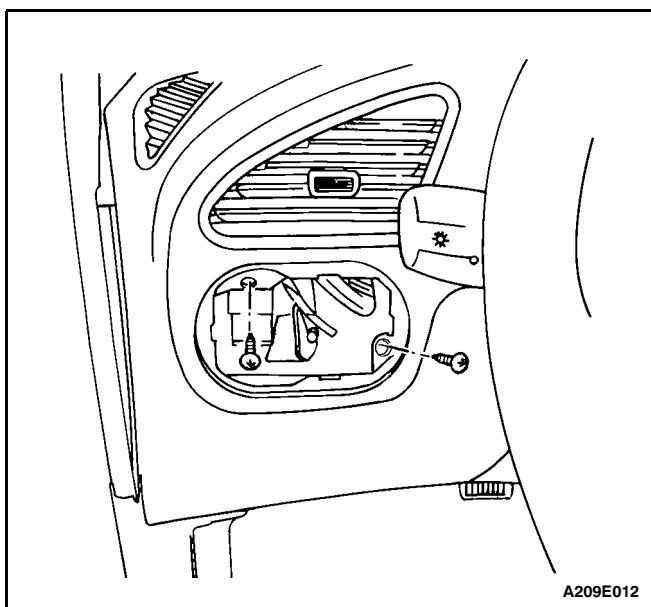


2. Install the instrument panel.

3. Install the steering column upper trim cover with the screws.

Tighten

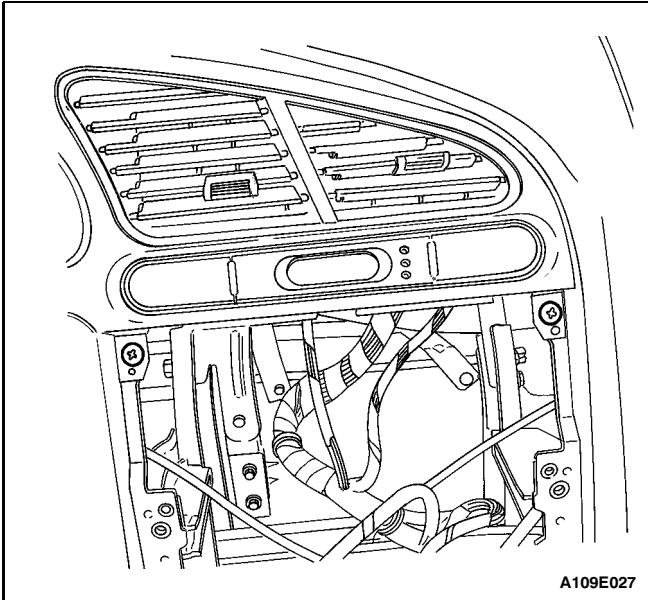
Tighten the steering column upper trim cover screws to 3 N•m (27 lb-in).



4. Install the instrument cluster trim panel screws on the left side.

Tighten

Tighten the instrument cluster trim panel screws to 2.5 N•m (22 lb-in).



5. Install the left side trim panel.

6. Install the instrument cluster trim panel screws above the instrument cluster.

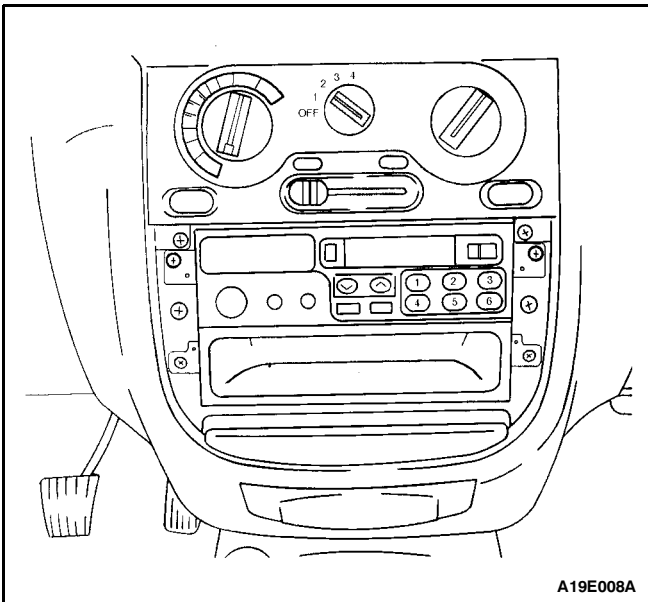
Tighten

Tighten the instrument cluster trim panel screws to 2.5 N•m (22 lb-in).

7. Install the instrument cluster trim panel screws above the HVAC controls.

Tighten

Tighten the instrument cluster trim panel screws to 2.5 N•m (22 lb-in).



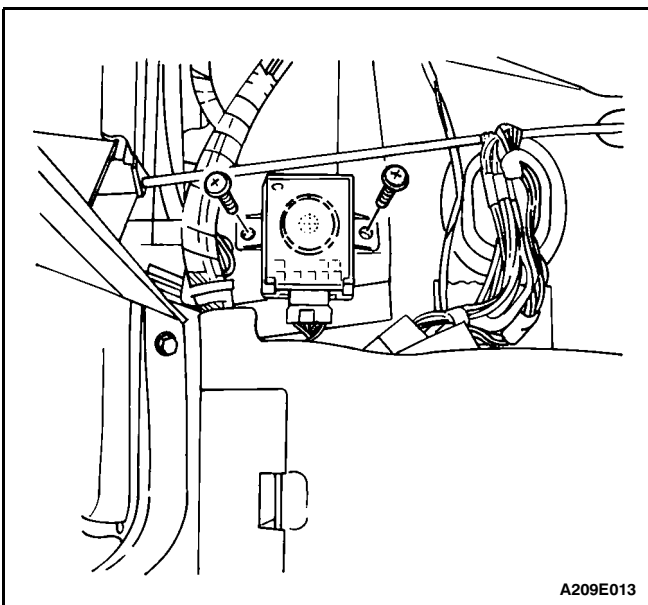
8. Install the HVAC controls with the screws.

Tighten

Tighten the HVAC controls screws to 4 N•m (35 lb-in).

9. Install the audio system trim panel.

10. Connect the negative battery cable.

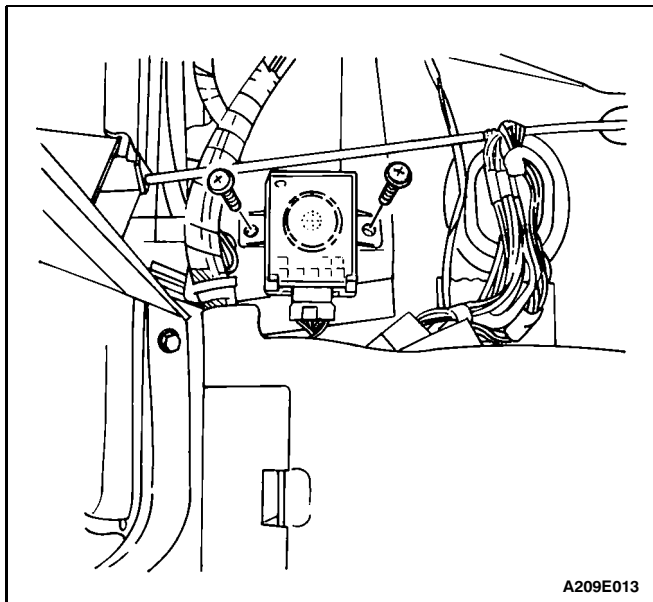


CHIME MODULE

(Typical)

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the screws and the chime module.
3. Disconnect the electrical connector.



Installation Procedure

1. Connect the electrical connector.

Notice: Dissimilar metals in direct contact with each other may corrode rapidly. Make sure to use the correct fasteners to prevent premature corrosion.

2. Install the chime module with the screws.

Tighten

Tighten the chime module screws to 3.5 N•m (31 lb-in).

3. Connect the negative battery cable.

GENERAL DESCRIPTION AND SYSTEM OPERATION

CIGAR LIGHTER

The cigar lighter is located in the front portion of the floor console. To use the lighter, push it in completely. When the lighter is hot, it will release itself from contact with the heating element. The lighter and the heating element can be damaged if the lighter is not allowed to release itself fully from the heating element.

ASHTRAY

The ashtray is located below the audio system. To access the ashtray, pull it out from the center console. The ashtray lamp will go on when the parking lamps or the headlamps are turned on.

INSTRUMENT PANEL VENTS

The center and the side vents in the instrument panel can be adjusted up and down and from side to side. The side vents can also be aimed toward the side windows in order to defog them.

GLOVE BOX

The glove box can be opened by pulling up on the latch handle. The glove box must be removed in order to gain access to the passenger-side airbag module.

DIGITAL CLOCK

The digital clock is located in the instrument panel, above the audio system. The clock is capable of a 12-hour or a 24-hour display.

INSTRUMENT CLUSTER (STANDARD)

The instrument cluster is located above the steering column and in the instrument cluster trim panel. The instrument cluster contains the instruments that provide the driver with vehicle performance information. The instrument cluster contains a speedometer, an odometer, a trip odometer, a temperature gauge, a fuel gauge, and several indicator lamps. For replacement of the indicator lamp bulbs contained in the instrument cluster, refer to "Instrument Cluster Indicator Lamps Specifications" and "Instrument Cluster Indicator Lamps" in this section.

INSTRUMENT CLUSTER (DELUXE)

The instrument cluster is located above the steering column and in the instrument cluster trim panel. The instrument cluster contains the instruments that provide the driver with vehicle performance information. The instrument cluster contains a speedometer, an odometer, a trip odometer, a tachometer, a temperature gauge, a fuel gauge, and several indicator lamps. For replacement of the indicator lamp bulbs contained in the instru-

ment cluster, refer to "Instrument Cluster Indicator Lights Specifications" and "Instrument Cluster Indicator Lamp" in this section.

SPEEDOMETER/ODOMETER/TRIP ODOMETER

The speedometer measures the speed of the vehicle in km/h (mph in some countries). It consists of an instrument cluster gauge connected to the vehicle speed sensor (VSS) on the transaxle output shaft.

The odometer measures in kilometers (miles in some countries) the total distance the vehicle has traveled since it was manufactured. It consists of an instrument cluster gauge connected to the VSS on the transaxle output shaft.

The trip odometer measures the distance the vehicle has traveled since the odometer was last reset. It consists of an instrument cluster gauge connected to the VSS on the transaxle output shaft. The trip odometer can be reset to zero at any time so that the driver can record the distance traveled from any starting point.

FUEL GAUGE

The fuel gauge consists of an instrument cluster gauge connected to a sending unit in the fuel tank.

The fuel gauge indicates the quantity of fuel in the tank only when the ignition switch is turned to ON or ACC. When the ignition is turned to LOCK or START, the pointer may come to rest at any position.

TEMPERATURE GAUGE

The temperature gauge consists of an instrument cluster gauge connected to a temperature sensor that is in contact with the circulating engine coolant.

The temperature gauge indicates the temperature of the coolant. Prolonged driving or idling in very hot weather may cause the pointer to move beyond the center of the gauge. The engine is overheating if the pointer moves into the red zone at the upper limit of the gauge.

INSTRUMENT CLUSTER INDICATOR LAMPS

The instrument cluster contains indicator lamps that indicate the functioning of certain systems or the existence of potential problems with the operation of the vehicle. The indicator lamps are replaceable. For replacement of the indicator lamps contained in the instrument cluster, refer to "Instrument Cluster Indicator Lamps Specifications" and "Instrument Cluster Indicator Lamps" in this section.

TACHOMETER (DELUXE CLUSTER)

The tachometer measures the engine's speed in terms of thousands of revolutions per minute (rpm). It consists

of an instrument cluster gauge connected to a sending unit in the electronic control module.

Notice: Do not operate the engine in the red zone, or engine damage may occur.

CHIME MODULE

The chime module is located above the instrument panel fuse block and will sound in order to bring attention to one or more of the following conditions:

- The lamps are on, the door is ajar, and the ignition switch is not in ACC, ON, or START.
- The seat belt is unbuckled when the ignition switch is in ON or START.
- The door is open when the ignition switch is in ON or START.
- The vehicle's speed exceeds 120 km/h (75 mph).