

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

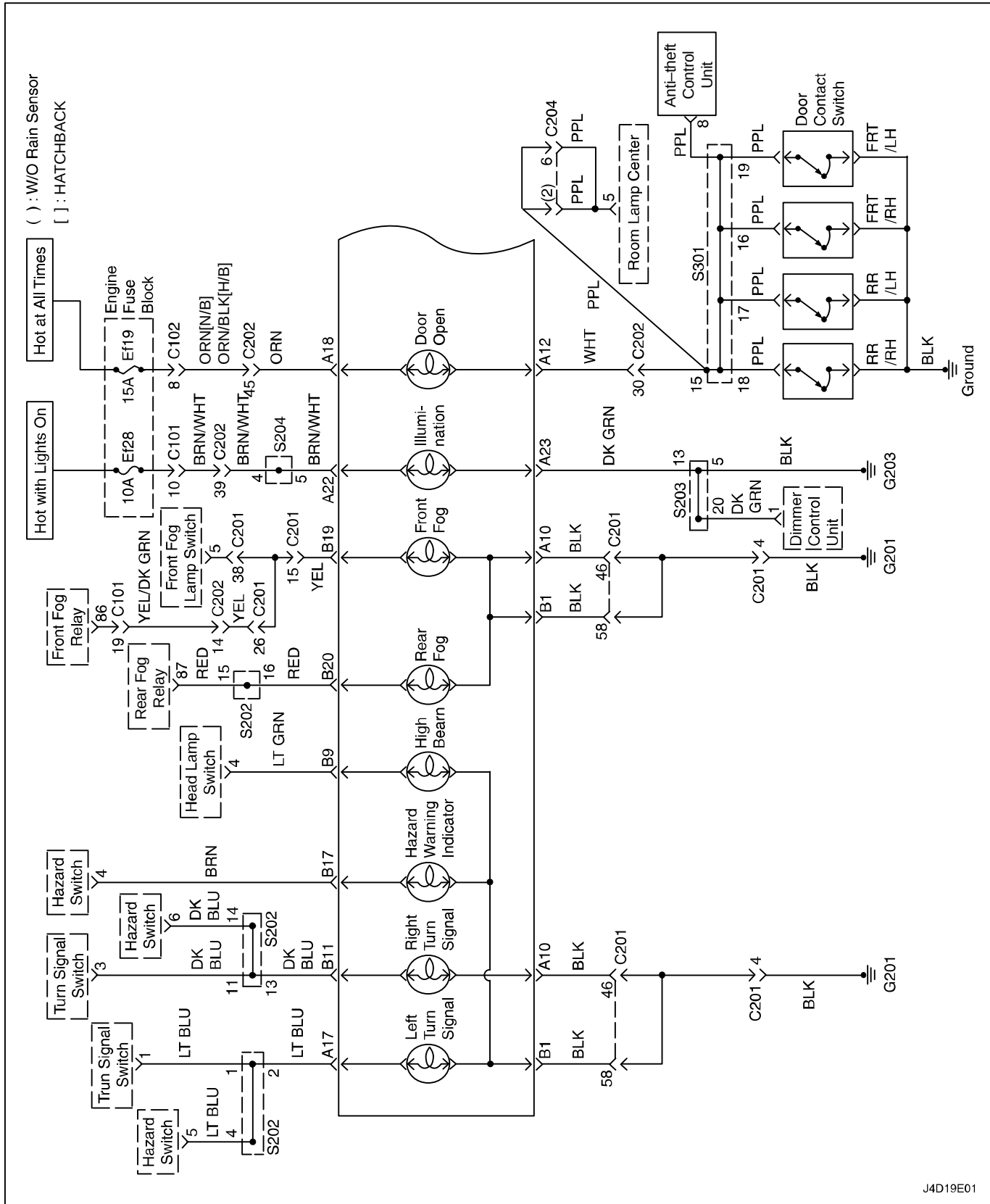
Application	N•m	Lb–Ft	Lb–In
Air Deflector Screws	2	–	18
Chime Module Screws	4	–	35
Clock Screws	2	–	18
Cupholder Screws	2.5	–	22
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Driver Knee Bolster Bolts	10	–	89
Floor Console Brace Bolts	4	–	35
Floor Console Brace Nuts	4	–	35
HVAC Controls Screws	4	–	35
Instrument Cluster Screws	4	–	35
Instrument Cluster Trim Panel Screws	4	–	35
Instrument Panel End Bolts	20	15	–
Instrument Panel End Screws	4	–	35
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Steering Column Bracket Nut	22	16	–
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INSTRUMENT CLUSTER INDICATOR LAMPS SPECIFICATIONS

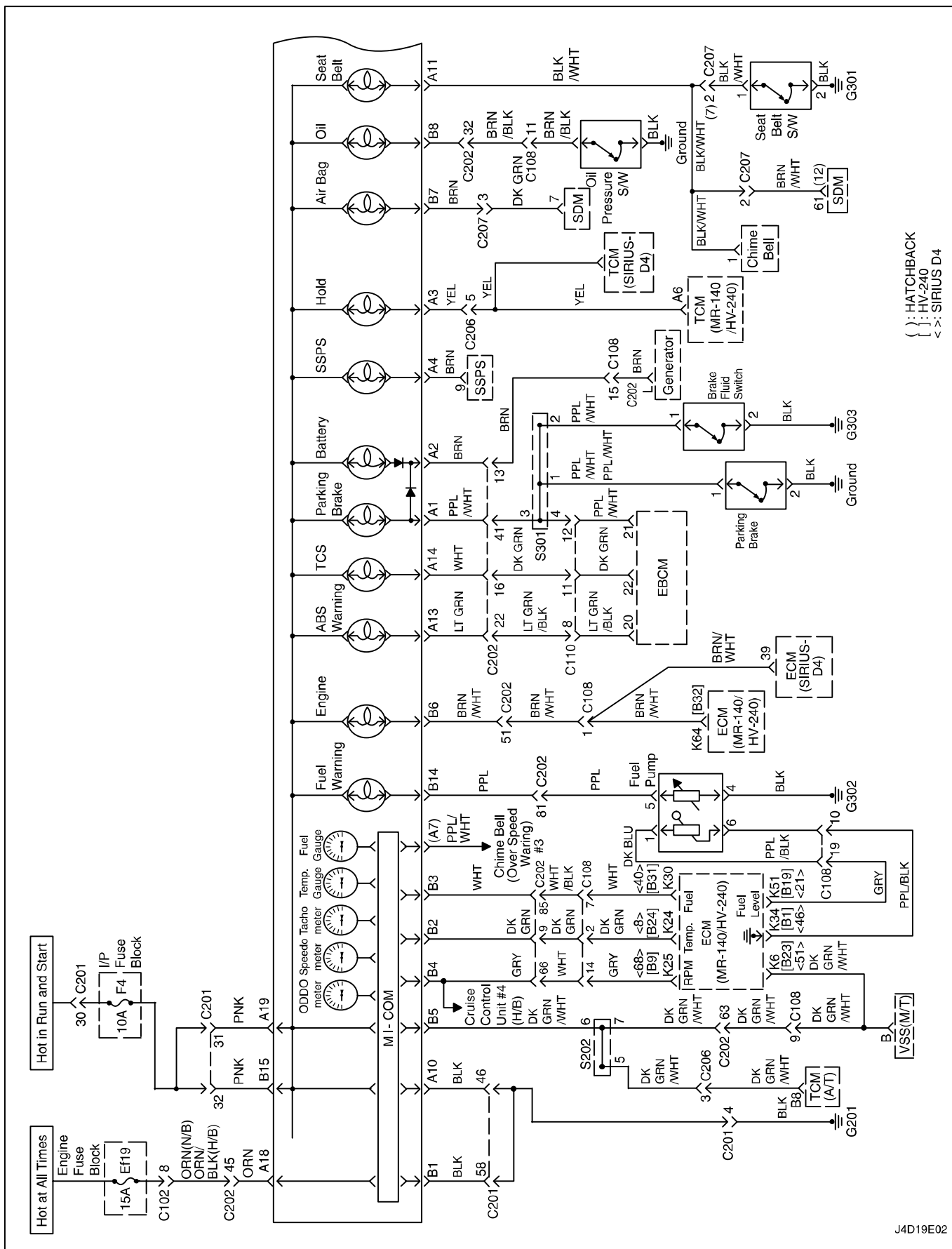
Indicator Lamp	Color	Bulb
ABS Warning	Amber	14 v 1.4 W
Airbag Warning	Red	14 v 1.4 W
Battery Charge Indicator	Red	14 v 1.4 W
Check Engine	Amber	14 v 1.4 W
Door Open Warning	Red	14 v 1.4 W
Engine Overheat	Red	14 v 1.4 W
Fasten Seat Belt Warning	Red	14 v 1.4 W
High Beam Indicator	Blue	14 v 1.4 W
Low Fuel Level Warning	Amber	14 v 4 W
Oil Pressure Warning	Red	14 v 1.4 W
Parking Brake Indicator and Brake Fluid Warning	Red	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

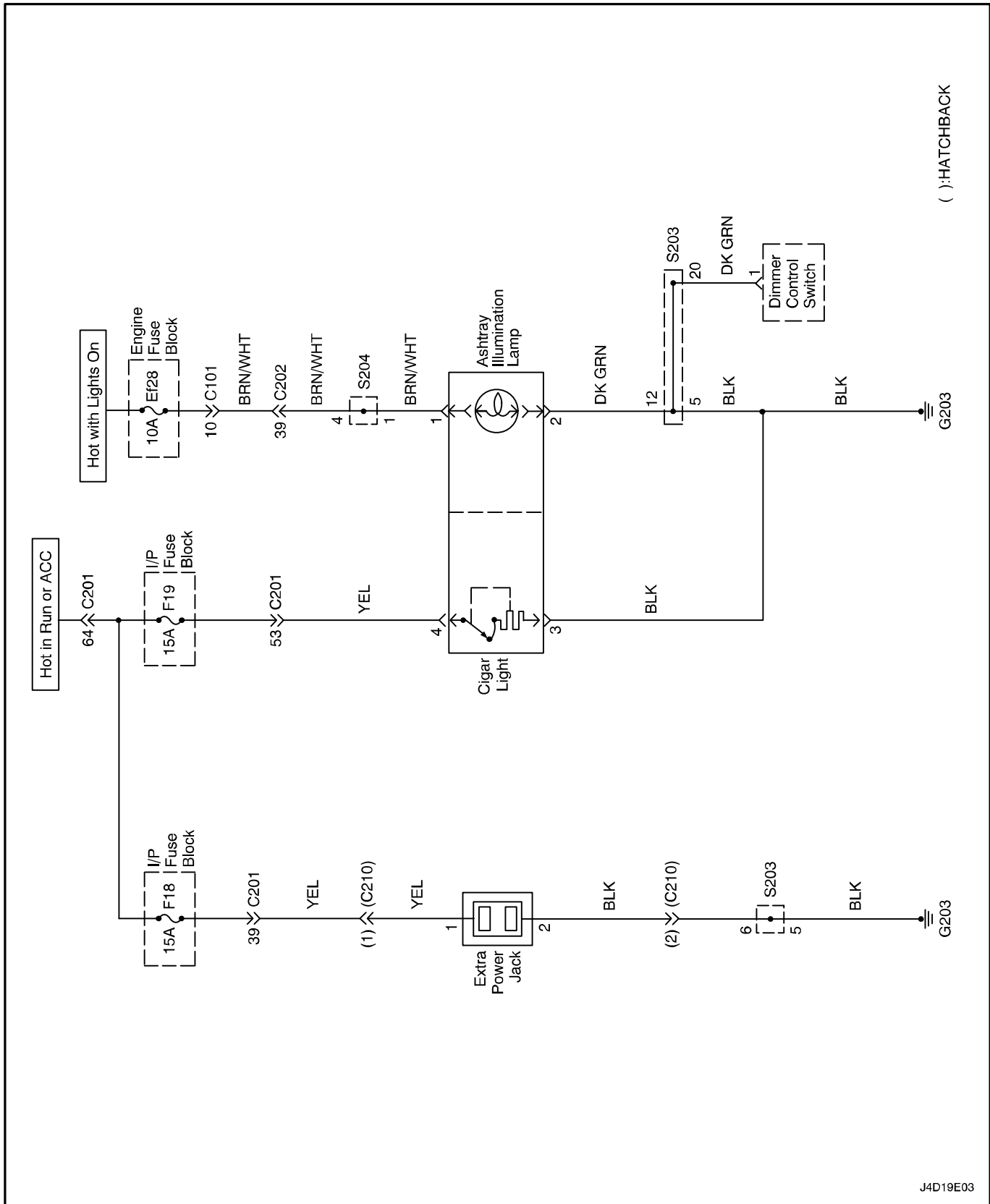
INSTRUMENT CLUSTER CIRCUIT (1 OF 2)



INSTRUMENT CLUSTER CIRCUIT (2 OF 2)



CIGAR LIGHTER AND EXTRA POWER JACK CIRCUIT

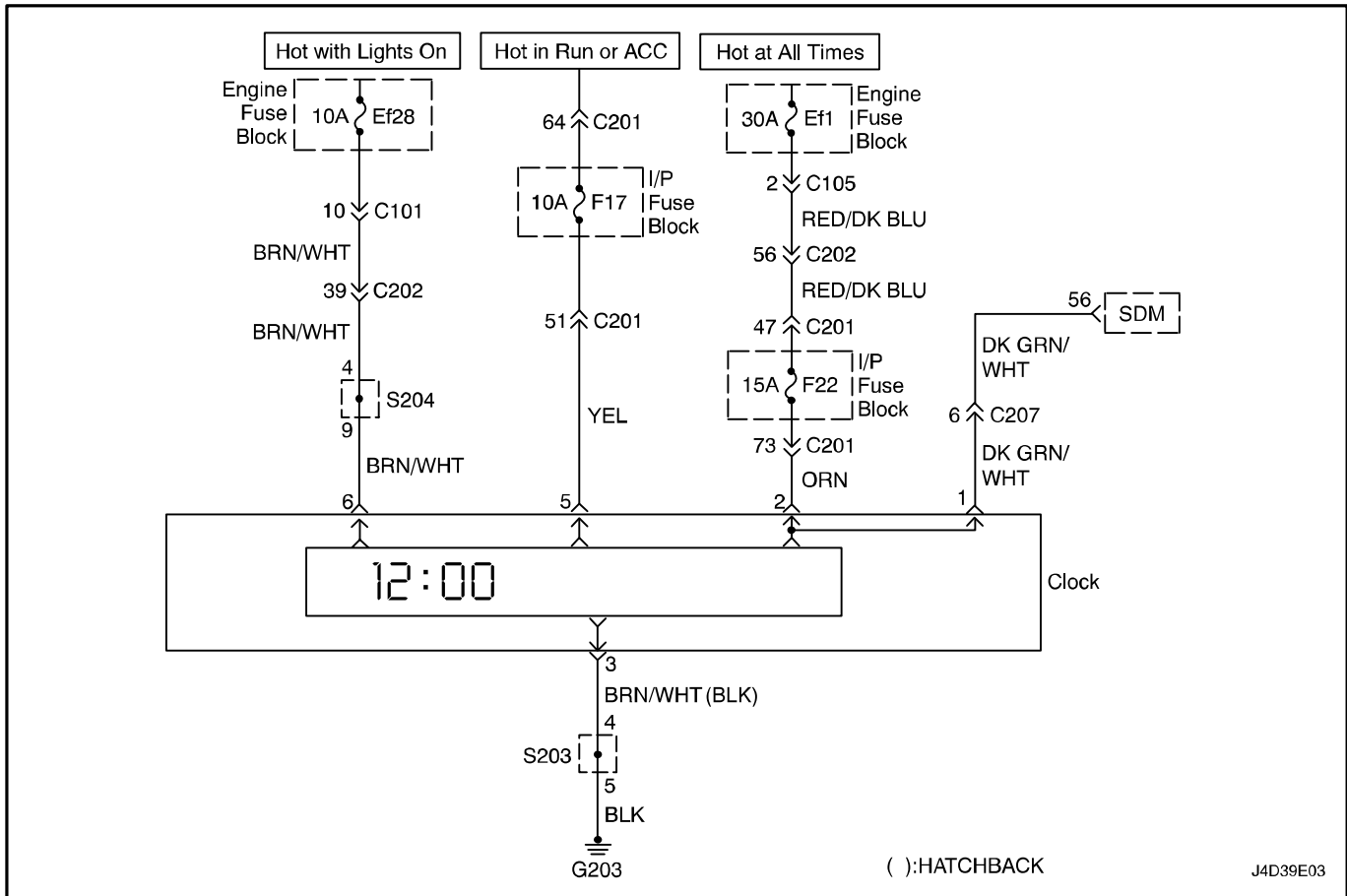


DIAGNOSIS

CIGAR LIGHTER

Cigar Lighter Inoperative

Step	Action	Value(s)	Yes	No
1	Check fuse F19. Is the fuse blown?	–	Go to <i>Step 2</i>	Go to <i>Step 3</i>
2	1. Check for a short circuit and repair it, if necessary. 2. Replace the fuse. Is the repair complete?	–	System OK	–
3	1. Turn the ignition key to ACC. 2. Use a voltmeter to check for voltage at fuse F19. Does the battery voltage available at the fuse F19 match the value specified?	11–14 v	Go to <i>Step 5</i>	Go to <i>Step 4</i>
4	Repair the open power supply circuit for fuse F19. Is the repair complete?	–	System OK	–
5	1. Remove the electrical connector from the back of the cigar lighter. 2. Turn the ignition key to ACC. 3. Use a voltmeter to check the voltage at the ORN wire. Does the battery voltage available at the YEL wire match the value specified?	11–14 v	Go to <i>Step 7</i>	Go to <i>Step 6</i>
6	Repair the open circuit between fuse F19 and the cigar lighter. Is the repair complete?	–	System OK	–
7	With the ignition key still in the ACC position, connect the voltmeter between the YEL and the BLK wires at the cigar lighter connector. Does the battery voltage match the value specified?	11–14 v	Go to <i>Step 9</i>	Go to <i>Step 8</i>
8	Repair the open ground circuit. Is the repair complete?	–	System OK	–
9	Replace the cigar lighter. Is the repair complete?	–	System OK	–



DIGITAL CLOCK

Digital Clock Inoperative

Step	Action	Value(s)	Yes	No
1	Check fuses F17, Ef28 and F22. Is either fuse F17, Ef28 and F22 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 F17, Ef28 and F22. 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 6. 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 F22. 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

Step	Action	Value(s)	Yes	No
8	Repair the open circuit between terminal 5 of the clock connector and fuse F17. Is the repair complete?	–	System OK	–
9	Check continuity between terminal 3 of the clock connector and ground. Does the multimeter indicate the value specified?	0 Ω	Go to <i>Step 10</i>	Go to <i>Step 11</i>
10	Replace the clock. Is the repair complete?	–	System OK	–
11	Repair the open ground circuit between terminal 3 the clock connector and ground G202. Is the repair complete?	–	System OK	–

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

Step	Action	Value(s)	Yes	No
1	Check fuse Ef28. Is fuse Ef28 blown?	–	Go to <i>Step 2</i>	Go to <i>Step 3</i>
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 Ef28. Does the battery voltage match the value specified?	11–14 v	Go to <i>Step 5</i>	Go to <i>Step 4</i>
4	Repair the open power supply circuit to fuse Ef28. 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 Ω	Go to <i>Step 7</i>	Go to <i>Step 6</i>
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 DK GRN wire of the dimmer control switch connector. Does the battery voltage match the value specified?	11–14 v	Go to <i>Step 9</i>	Go to <i>Step 8</i>
8	Repair the open circuit between the DK GRN wire of the dimmer control switch connector and fuse Ef28. 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 <i>Step 11</i>	Go to <i>Step 10</i>
10	Repair the open circuit between the DK GRN wire of the dimmer control switch connector and each lamp. Is the repair complete?	–	System OK	–
11	Replace the dimmer control switch.	–	System OK	–

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

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 <i>Section 1F, En- gine Controls</i>	Go to <i>Step 2</i>
2	1. Turn the ignition OFF. 2. Disconnect the engine control module (ECM) connector. 3. Remove the instrument cluster. 4. Check continuity between ECM terminal K6 (B23 ; HV-240, 51 ; SIRIUS D4) and the instrument cluster connector terminal B5. Does the ohmmeter indicate the specified value?	0 Ω	Go to <i>Step 4</i>	Go to <i>Step 3</i>
3	Repair the open circuit between the instrument cluster connector terminal B5 and the ECM. Is the repair complete?	–	System OK	–
4	Replace the speedometer. Is the repair complete?	–	System OK	–

FUEL GAUGE**Fuel Gauge Inoperative, Other Gauges and Warning Lamps are OK**

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 <i>Section 1F, En- gine Controls</i>	Go to <i>Step 2</i>
2	1. Turn the ignition OFF. 2. Disconnect engine control module (ECM) connector. 3. Remove the instrument cluster. 4. Check continuity between ECM terminal K30 (B31 ; HV-240, 40 ; SIRIUS D4) and the instrument cluster terminal B3. Does the ohmmeter indicate the specified value?	0 Ω	Go to <i>Step 4</i>	Go to <i>Step 3</i>
3	Repair the open circuit between the instrument cluster connector terminal B3 and the ECM terminal K30 (B31; HV-240, 40 ; SIRIUS D4). Is the repair complete?	–	System OK	–
4	Replace the fuel gauge. Is the repair complete?	–	System OK	–

TEMPERATURE GAUGE

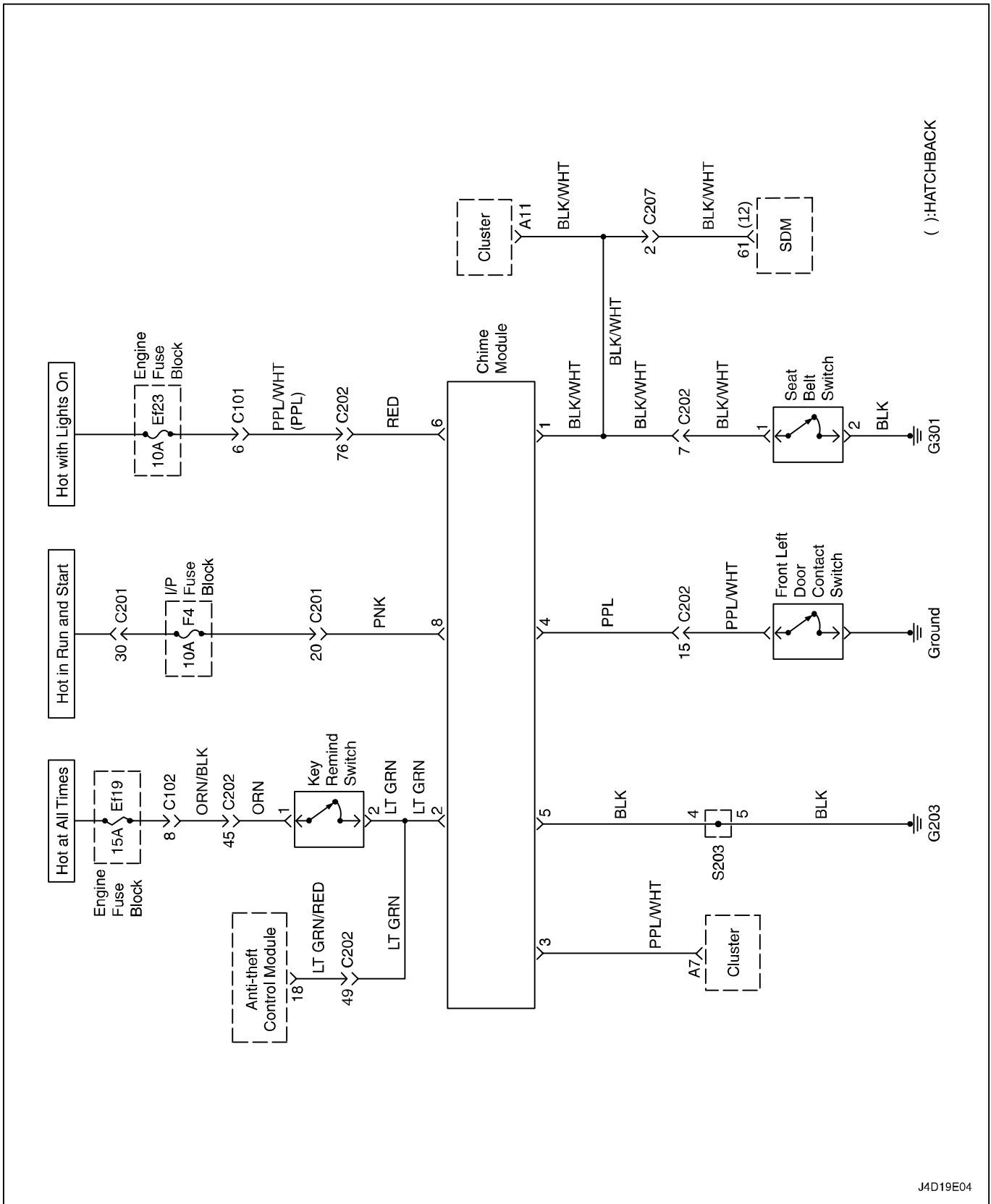
Temperature Gauge Inoperative, Other Gauges and Warning Lamps are OK

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 <i>Step 7</i>	Go to <i>Step 2</i>
2	Disconnect ECM electrical connector. Does the temperature gauge indicator drop to the low end of the scale?	–	Go to <i>Section 1F, Engine Controls</i>	Go to <i>Step 3</i>
3	Check for a short to ground between the ECM and the temperature gauge. Is there a short to ground?	–	Go to <i>Step 4</i>	Go to <i>Step 5</i>
4	Repair the short to ground. Is the repair complete?	–	System OK	–
5	Replace the temperature gauge. Is the repair complete?	–	System OK	–
6	1. Disconnect the ECM. 2. Turn the ignition ON. 3. Check the voltage at the ECM. Does the the voltage equal the value specified?	11–14 v	Go to <i>Step 9</i>	Go to <i>Step 7</i>
7	Check for an open circuit between the ECM and the temperature gauge. Is there an open circuit?	–	Go to <i>Step 8</i>	Go to <i>Step 5</i>
8	Repair the open circuit between the ECM and the temperature gauge. Is the repair complete?	–	System OK	–
9	1. Disconnect the ECM. 2. Connect a jumper wire between the ECM connector and ground. 3. Turn the ignition ON. Does the temperature gauge move to the high end of the scale?	–	Go to <i>Section 1F, Engine Controls</i>	Go to <i>Step 5</i>

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

Step	Action	Value(s)	Yes	No
1	Check fuse F4. Is fuse F4 blown?	–	Go to <i>Step 2</i>	Go to <i>Step 3</i>
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 F4. Does the battery voltage match the value specified?	11–14 v	Go to <i>Step 5</i>	Go to <i>Step 4</i>
4	Repair the open power supply circuit to fuse F4. Is the repair complete?	–	System OK	Go to <i>Step 3</i>
5	1. Remove the instrument cluster. 2. Disconnect the instrument cluster connector. 3. Turn the ignition ON. 4. Check the voltage at terminal B15 and A19. Does the battery voltage match the value specified?	11–14 v	Go to <i>Step 7</i>	Go to <i>Step 6</i>
6	Repair the open circuit between fuse F4 and the instrument cluster connector B15 and A19. Is the repair complete?	–	System OK	–
7	Check the instrument cluster indicator lamp bulbs. Are the bulbs OK?	–	Go to <i>Step 9</i>	Go to <i>Step 8</i>
8	1. Replace any 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 <i>Step 2</i>	Go to <i>Step 3</i>
2	Connect the electrical connector for the chime module. Is the repair complete?	–	System OK	–
3	Check fuse F4. Is fuse F4 blown?	–	Go to <i>Step 4</i>	Go to <i>Step 5</i>
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 F4. Is the specified voltage available at fuse F4?	11–14 v	Go to <i>Step 7</i>	Go to <i>Step 6</i>
6	Repair the power supply circuit for fuse F4. 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 <i>Step 9</i>	Go to <i>Step 8</i>
8	Repair the open circuit between fuse F4 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?	$\approx 0 \Omega$	Go to <i>Step 11</i>	Go to <i>Step 10</i>
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 the driver's side seat belt is unfastened. 3. Use an ohmmeter to check the continuity between terminal 1 of the chime module and ground. Does the ohmmeter indicate the specified value?	$\approx 0 \Omega$	Go to <i>Step 12</i>	Go to <i>Step 13</i>
12	Replace the chime module. Is the repair complete?	–	System OK	–

Step	Action	Value(s)	Yes	No
13	1. Disconnect the seat belt switch. 2. Make sure the driver's side seat belt is unfastened. 3. Use an ohmmeter to check the continuity of the switch. Does the ohmmeter indicate the specified value?	$\approx 0 \Omega$	Go to <i>Step 15</i>	Go to <i>Step 14</i>
14	Replace the seat belt switch. Is the repair complete?	–	System OK	–
15	Use an ohmmeter to check the continuity of the wire between terminal 1 of the chime module and the seat belt switch. Does the ohmmeter indicate the specified value?	$\approx 0 \Omega$	Go to <i>Step 17</i>	Go to <i>Step 16</i>
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 <i>Step 2</i>	Go to <i>Step 3</i>
2	Connect the electrical connector for the chime module. Is the repair complete?	–	System OK	–
3	Check fuse F4. Is fuse F4 blown?	–	Go to <i>Step 4</i>	Go to <i>Step 5</i>
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 F4. Is the specified voltage available at fuse F4?	11–14 v	Go to <i>Step 7</i>	Go to <i>Step 6</i>
6	Repair the power supply circuit for fuse F4. 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 <i>Step 9</i>	Go to <i>Step 8</i>
8	Repair the open circuit between fuse F4 and the chime module connector. Is the repair complete?	–	System OK	–

Step	Action	Value(s)	Yes	No
9	With the chime module disconnected, use an ohmmeter to check the continuity between terminal 5 of the chime module connector and ground. Does the ohmmeter indicate the specified value?	$\approx 0 \Omega$	Go to <i>Step 11</i>	Go to <i>Step 10</i>
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 the driver's side door is open. 3. Use an ohmmeter to check the continuity between terminal 4 of the chime module and ground. Does the ohmmeter indicate the specified value?	$\approx 0 \Omega$	Go to <i>Step 12</i>	Go to <i>Step 13</i>
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?	$\approx 0 \Omega$	Go to <i>Step 15</i>	Go to <i>Step 14</i>
14	Repair the open circuit between the door contact switch and terminal 4 of the chime module.	–	System OK	–
15	Replace the door contact switch. Is the repair complete?	–	System OK	–

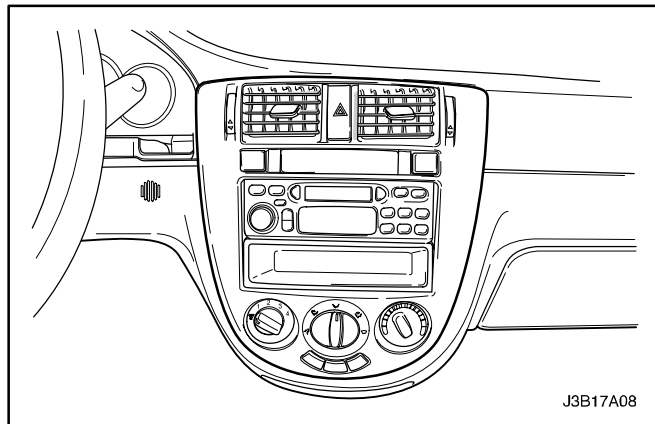
Key Reminder Chime Inoperative

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 <i>Step 2</i>	Go to <i>Step 3</i>
2	Connect the electrical connector for the chime module. Is the repair complete?	–	System OK	–
3	Check fuse Ef19. Is fuse Ef19 blown?	–	Go to <i>Step 4</i>	Go to <i>Step 5</i>
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 Ef19. Is the specified voltage available at fuse Ef19?	11–14 v	Go to <i>Step 7</i>	Go to <i>Step 6</i>
6	Repair the power supply circuit for fuse Ef19. Is the repair complete?	–	System OK	–
7	1. Disconnect the chime module. 2. Check the voltage at terminal 2 of the chime module connector. Does the voltage equal the specified value?	11–14 v	Go to <i>Step 13</i>	Go to <i>Step 8</i>

Step	Action	Value(s)	Yes	No
8	1. Disconnect the key reminder switch. 2. Use an ohmmeter to check the continuity between the key reminder switch and fuse Ef19. Does the ohmmeter indicate the specified value?	$\approx 0 \Omega$	Go to <i>Step 10</i>	Go to <i>Step 9</i>
9	Repair the open circuit between the key reminder switch and fuse Ef19.	–	System OK	–
10	With the key reminder switch and the chime module disconnected, check the continuity between the key reminder switch and terminal 2 of the chime module connector. Does the ohmmeter indicate the specified value?	$\approx 0 \Omega$	Go to <i>Step 12</i>	Go to <i>Step 11</i>
11	Repair the open circuit between the key reminder switch and terminal 2 of the chime module connector.	–	System OK	–
12	Replace the key reminder switch. Is the repair complete?	–	System OK	–
13	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?	$\approx 0 \Omega$	Go to <i>Step 15</i>	Go to <i>Step 14</i>
14	Repair the open circuit between terminal 5 of the chime module connector and ground. Is the repair complete?	–	System OK	–
15	Replace the chime module. Is the repair complete?	–	System OK	–

MAINTENANCE AND REPAIR

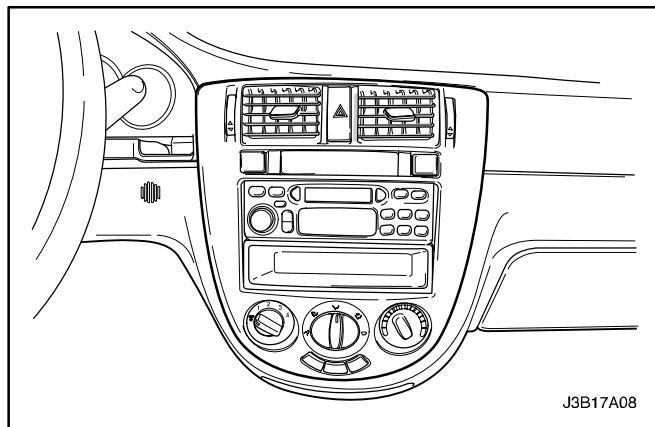
ON-VEHICLE SERVICE



CENTER MOLDING

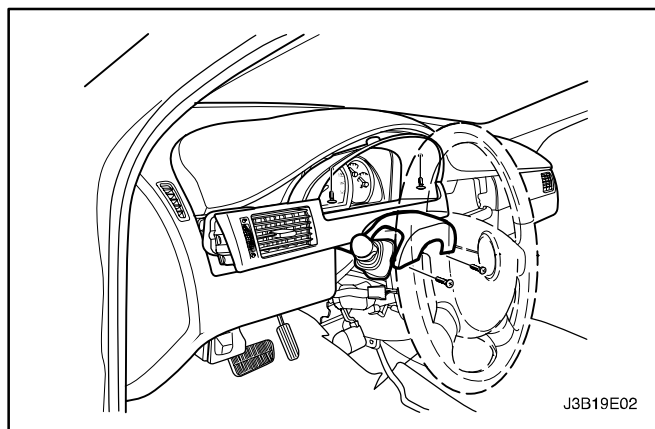
Removal Procedure

1. Disconnect the mode control cable from the mode door.
2. Remove the center molding.
3. Disconnect the electrical connector.



Installation Procedure

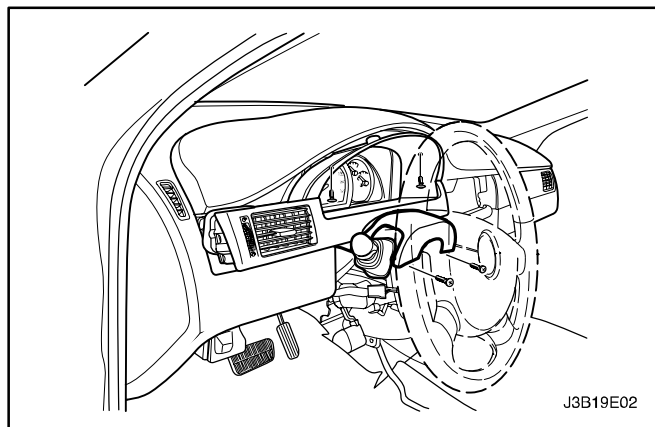
1. Connect the mode control cable from the mode door.
2. Connect the electrical connector.
3. Install the center molding.



INSTRUMENT CLUSTER TRIM PANEL

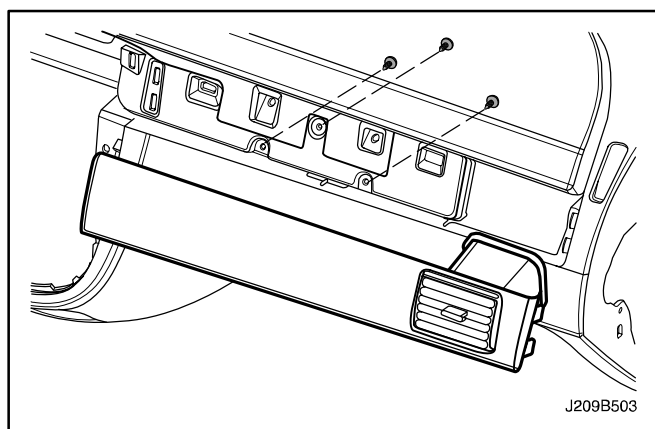
Removal Procedure

1. Remove the screws and the instrument cluster trim panel.
2. Disconnect the electrical connectors.



Installation Procedure

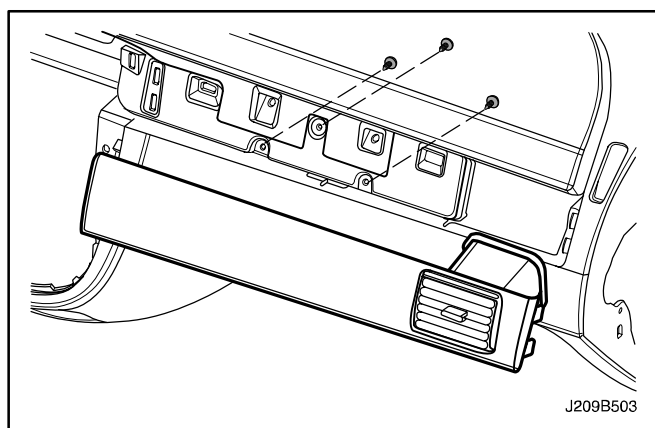
1. Connect the electrical connectors.
2. Install the instrument cluster trim panel with the screws.



GARNISH MOLDING

Removal Procedure

1. Remove the glove box.
2. Remove the screws and the garnish molding.



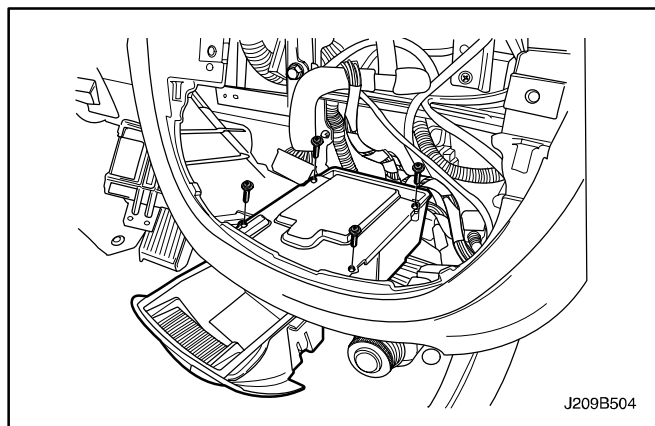
Installation Procedure

1. Install the garnish molding with the screws.

Tighten

Tighten the garnish molding screw to 2 N•m (18 lb-in).

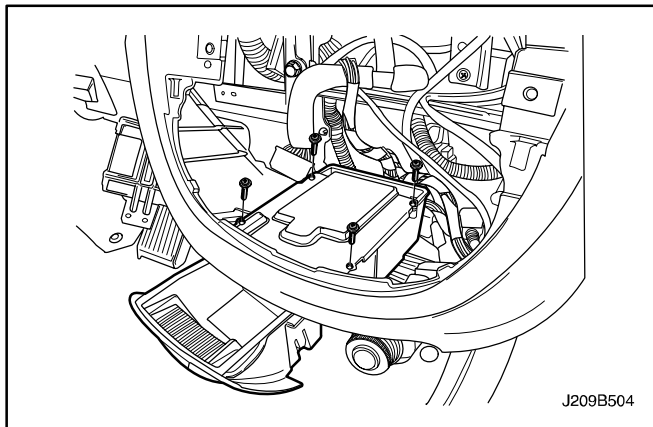
2. Install the glove box.



ASHTRAY

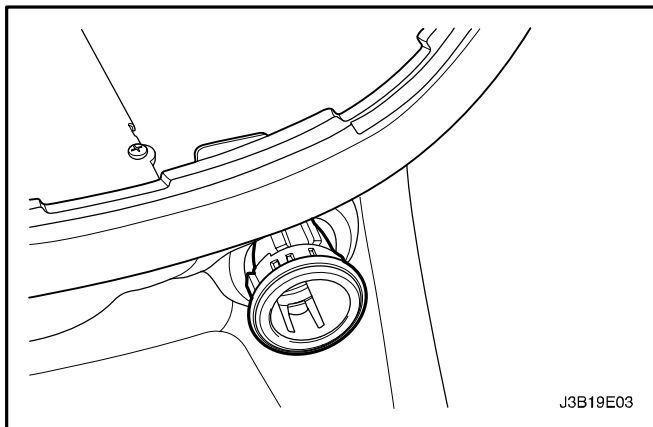
Removal Procedure

1. Remove the instrument panel center molding.
2. Remove the screws and the ashtray housing.



Installation Procedure

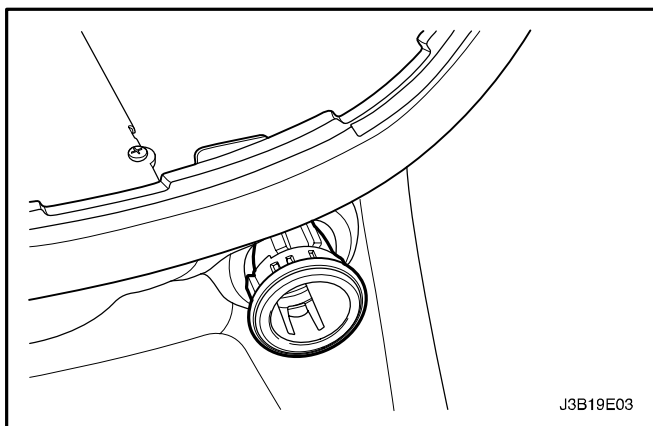
1. Install the ashtray housing with screws.
2. Install the instrument panel center molding.



CIGAR LIGHTER

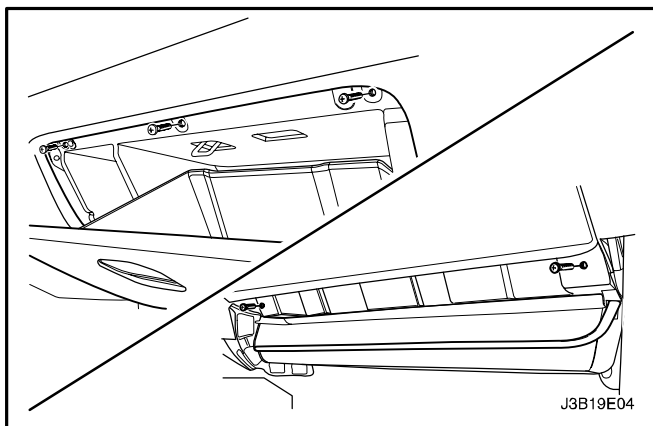
Removal Procedure

1. Remove the instrument panel center molding.
2. Disconnect the cigar lighter and ashtray lamp electrical connector.
3. Remove the cigar lighter housing from the instrument panel.



Installation Procedure

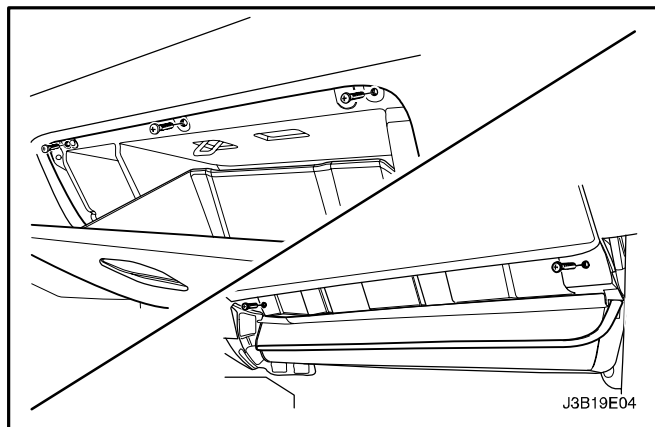
1. Install the cigar lighter housing to the instrument panel.
2. Install the cigar lighter in the cigar lighter housing.
3. Connect the cigar lighter and ashtray lamp electrical connector.
4. Install the instrument panel center molding.



GLOVE BOX

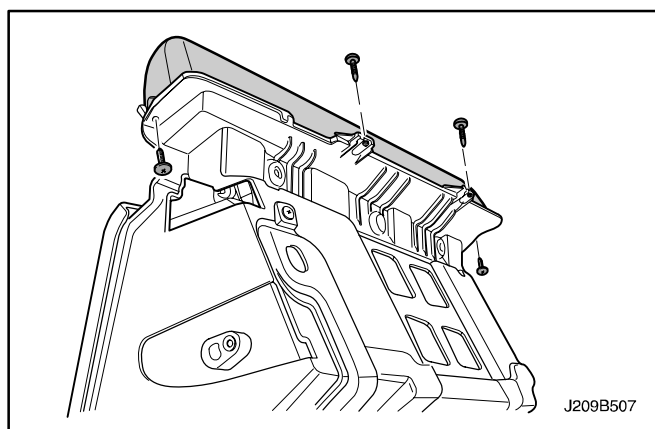
Removal Procedure

1. Remove the screws and the glove box.



Installation Procedure

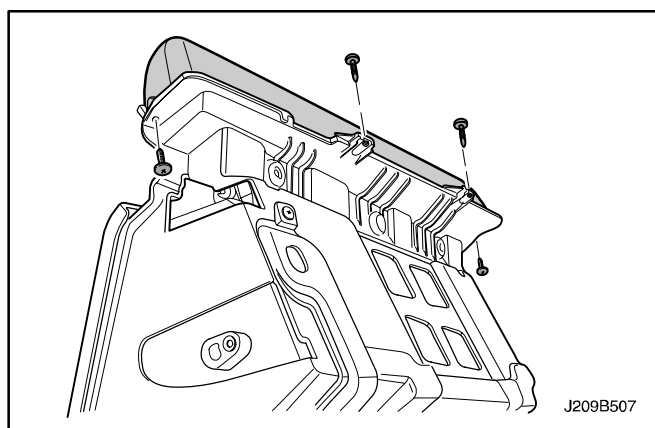
1. Install the glove box with the screws.



NOTCHBACK DEPOSIT BOX

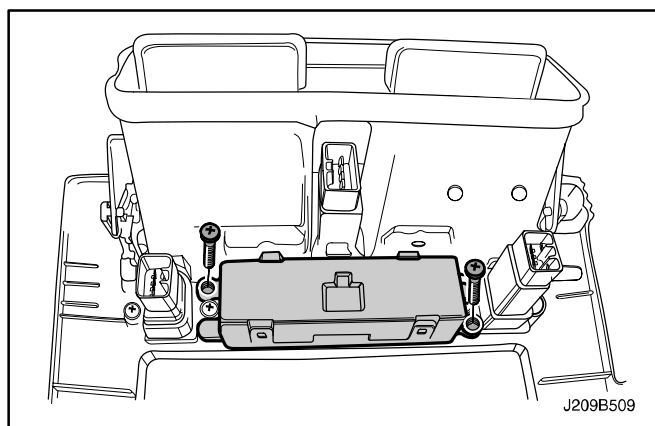
Removal Procedure

1. Remove the glove box.
2. Remove the screws and deposit box.



Installation Procedure

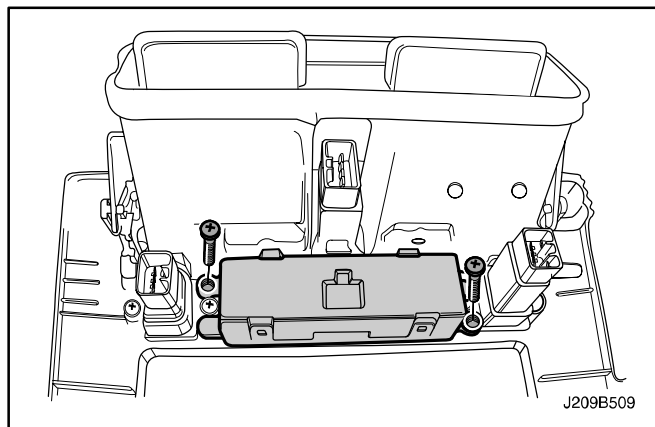
1. Install the deposit box with the screws.
2. Install the glove box.



NOTCHBACK DIGITAL CLOCK

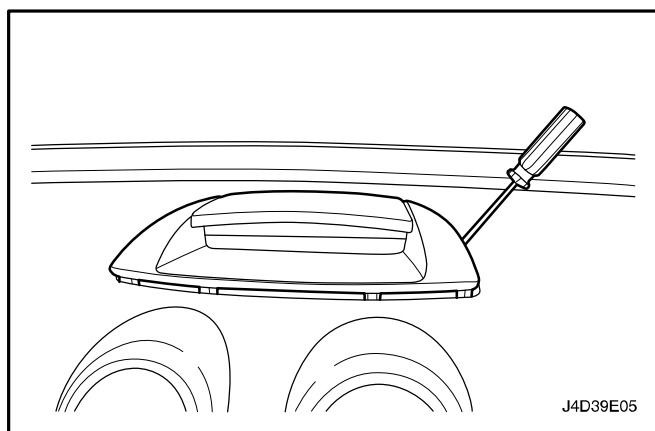
Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the center molding.
3. Disconnect the electrical connector.
4. Remove the screws and digital clock.



Installation Procedure

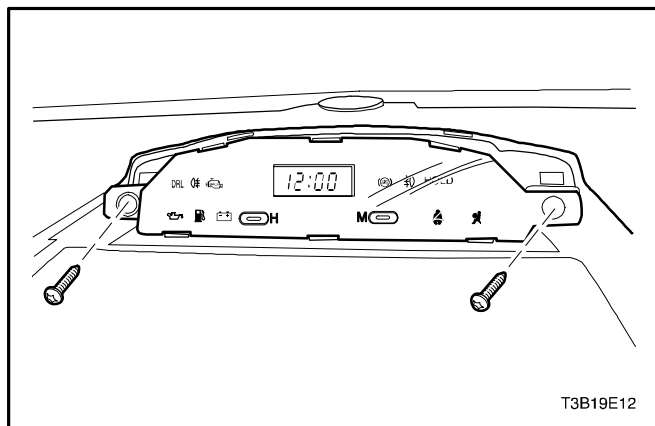
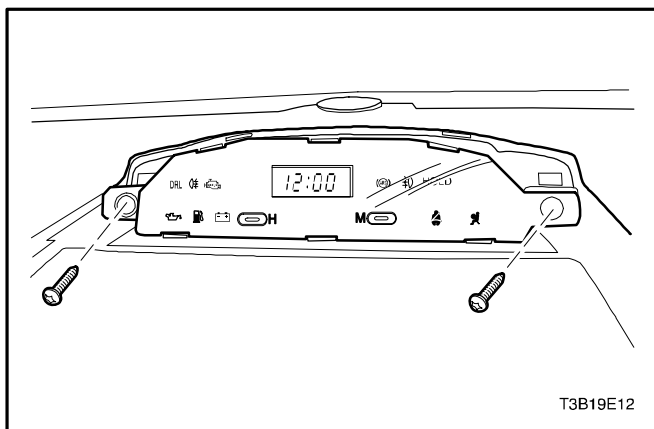
1. Install the digital clock with the screws.
2. Connect the electrical connector.
3. Install the center molding.
4. Connect the negative battery cable.



HATCHBACK DIGITAL CLOCK

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument panel center upper cover.
3. Remove the screws and the clock.



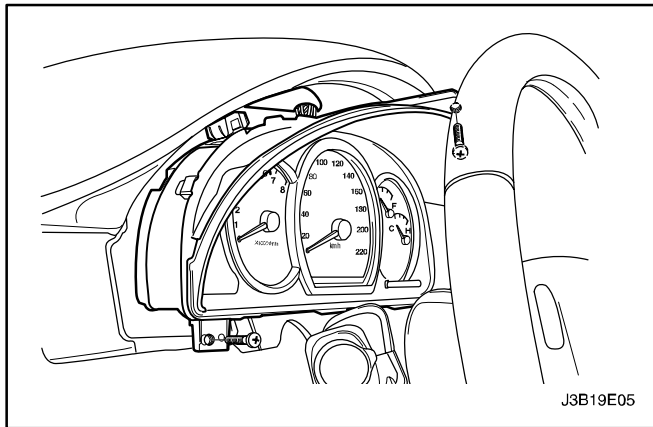
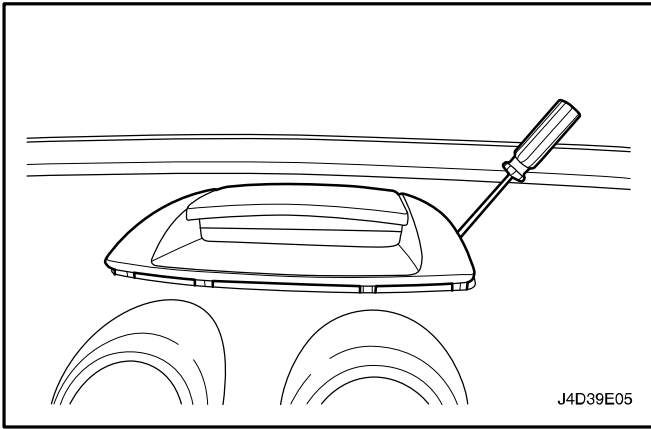
Installation Procedure

1. Install the clock with the screws.

Tighten

Tighten the clock screws to 3 N•m (27 lb-in).

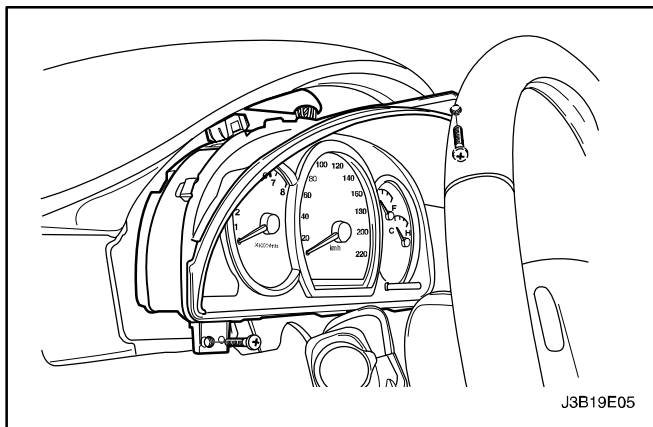
2. Install the instrument panel center upper cover.
3. Connect the negative battery cable.



INSTRUMENT CLUSTER

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the instrument cluster trim panel.
3. Remove the screws and the instrument cluster.
4. Disconnect the electrical connectors.



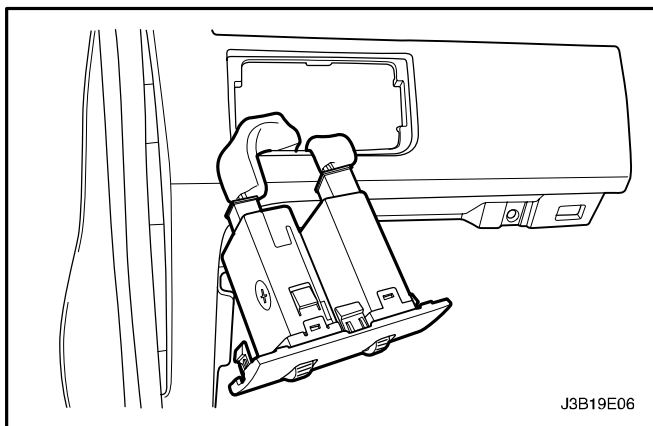
Installation Procedure

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

Tighten

Tighten the instrument cluster screw to 4 N•m (35 lb-in).

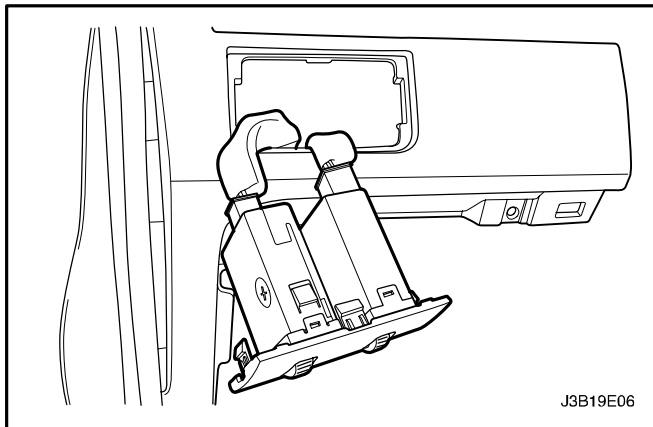
3. Install the instrument cluster trim panel.
4. Connect the negative battery cable.



INSTRUMENT CLUSTER DIMMER SWITCH

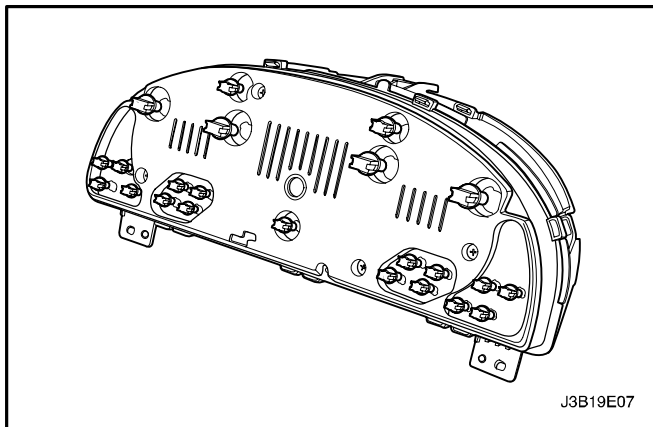
Removal Procedure

1. Remove the instrument cluster dimmer switch assembly.
2. Disconnect the electrical connectors.



Installation Procedure

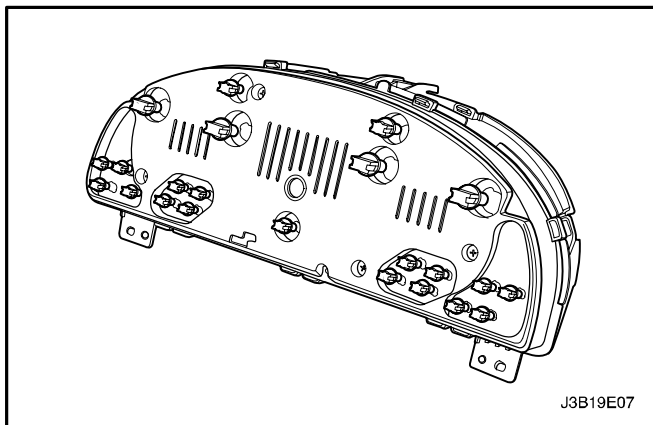
1. Connect the electrical connectors.
2. Install the instrument cluster dimmer switch assembly.



INSTRUMENT CLUSTER INDICATOR LAMPS

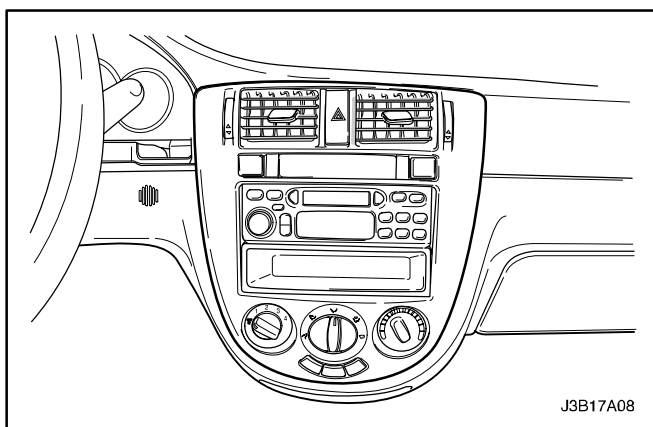
Removal Procedure

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



Installation Procedure

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

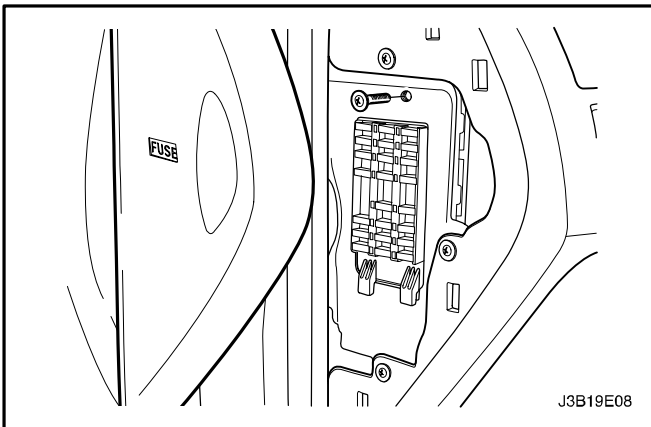


INSTRUMENT PANEL

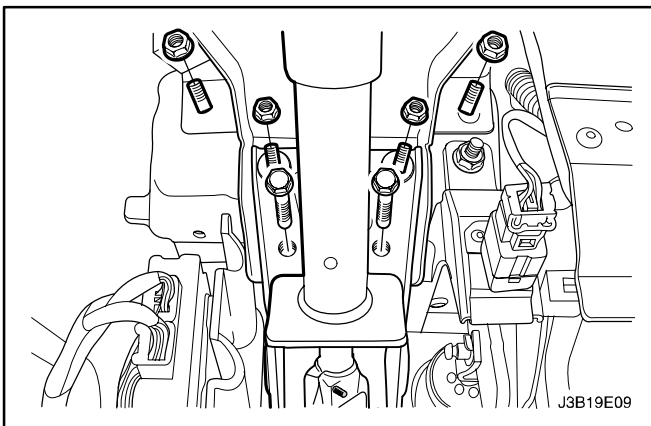
Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the floor console. Refer to *Section 9G, Interior Trim*.
3. Remove the sun sensor. Refer to *Section 7D, Automatic Temperature Control Heating, Ventilation, and Air Condition System*.
4. Remove the stereo cassette AM/FM radio. Refer to *Section 9F, Audio Systems*.
5. Remove the center molding.
6. Remove the instrument cluster dimmer switch assembly.

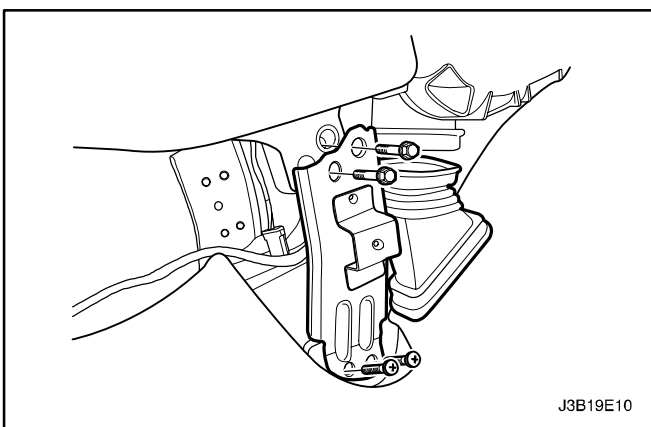
7. Remove the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
8. Remove the instrument cluster. Refer to "Instrument Cluster" in this section.
9. Remove the glove box and the glove box housing. Refer to "Glove Box" in this section.
10. Remove the knee bolster. Refer to *Section 9G, Interior Trim*.



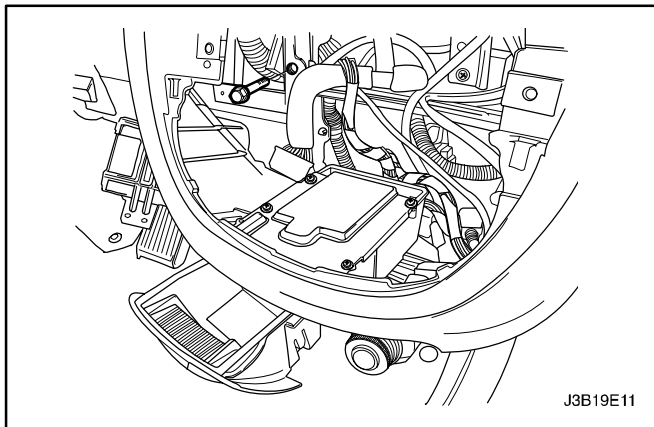
11. Remove the screws and the instrument panel side covers.
12. Remove the screw and the instrument panel fuse block.



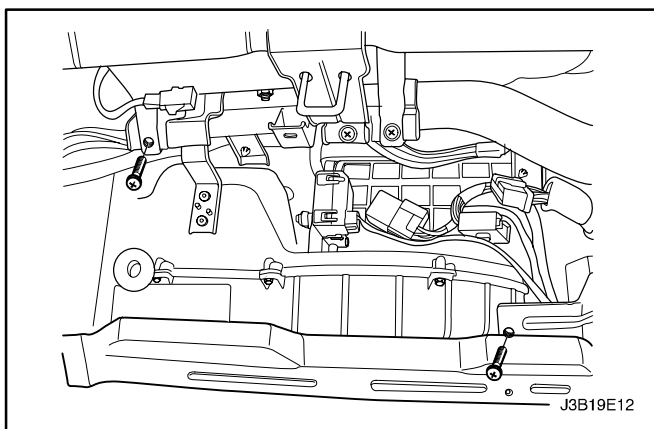
13. Remove the nuts and the bolts securing the steering column.
14. Disconnect the steering column electrical connector.
15. Lower the steering column.



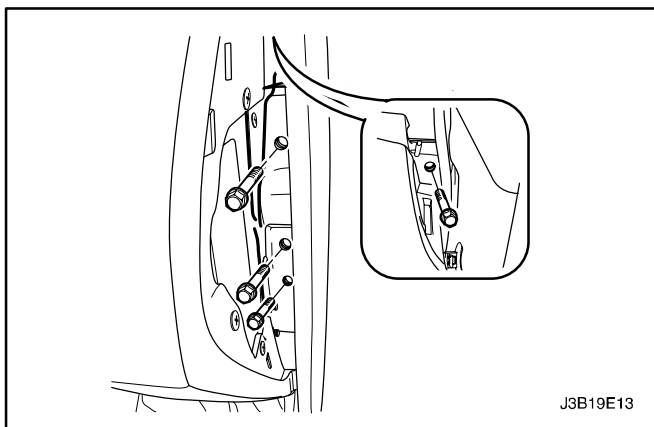
16. Remove bolts and screws.
17. Remove the connecting pieces.



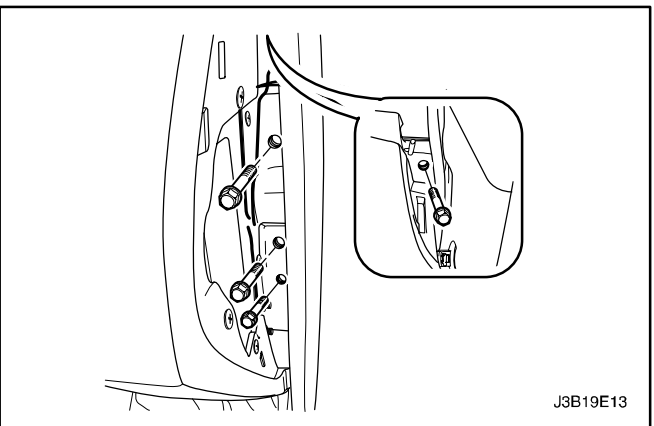
18. Remove the bolt securing the middle of the instrument panel to the body.



19. Remove the instrument panel screws behind the glove box brace.



20. Remove the bolts securing the sides of the instrument panel to body.
21. Disconnect the instrument panel electrical connectors.
22. Remove the instrument panel.



Installation Procedure

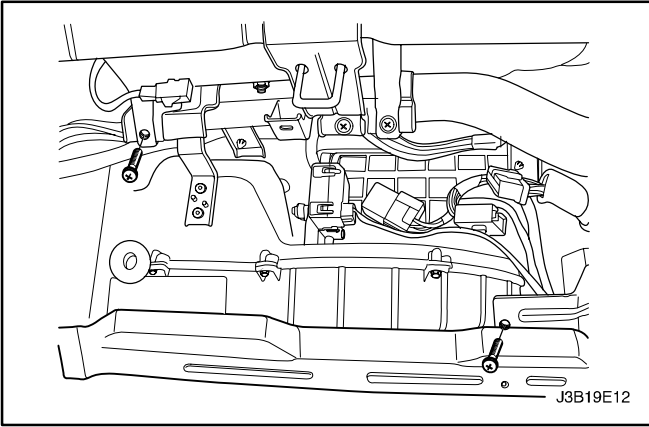
1. Position the instrument panel in the vehicle.
2. Connect the instrument panel electrical connectors.

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

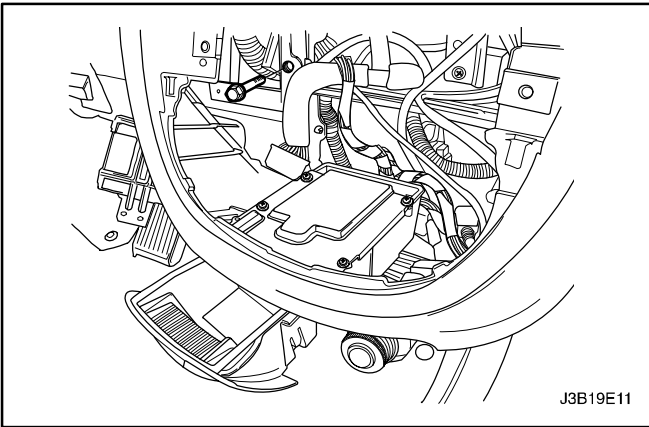
3. Install the bolts securing the sides of the instrument panel to the body.

Tighten

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



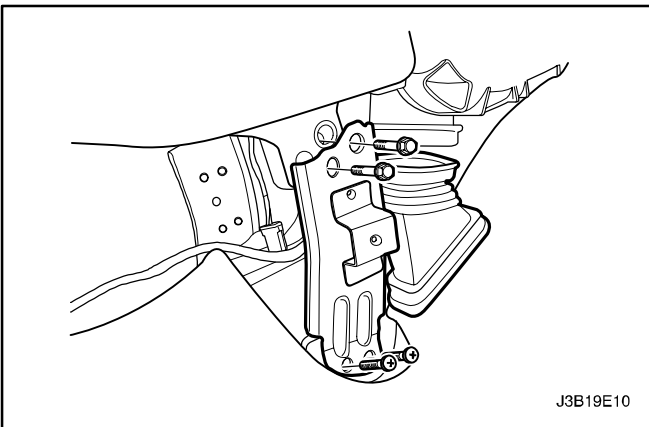
4. Install the instrument panel screws behind the glove box brace.



5. Install the bolt securing the middle of the instrument panel to the body.

Tighten

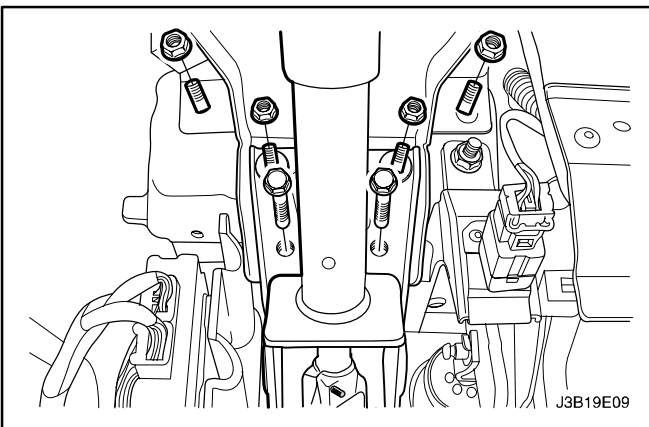
Tighten the instrument panel-to-body bolts to 22 N•m (16 lb–ft).



6. Install the connecting pieces with bolts and screws.

Tighten

Tighten the connecting pieces bolts to 22 N•m (16 lb–ft).

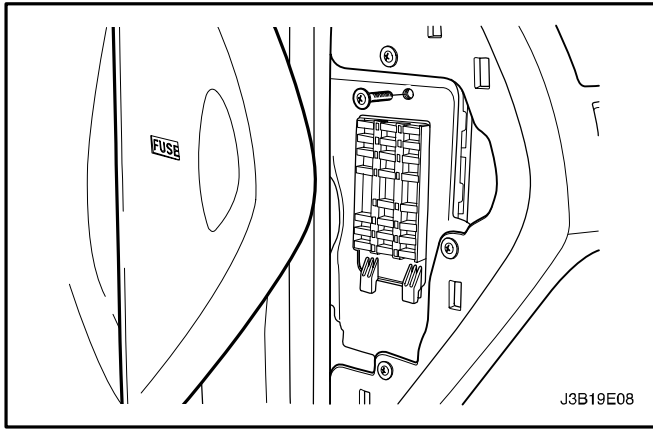


7. Raise the steering column.
8. Connect the steering column electrical connector.
9. Install the nuts and the bolts securing the steering column.

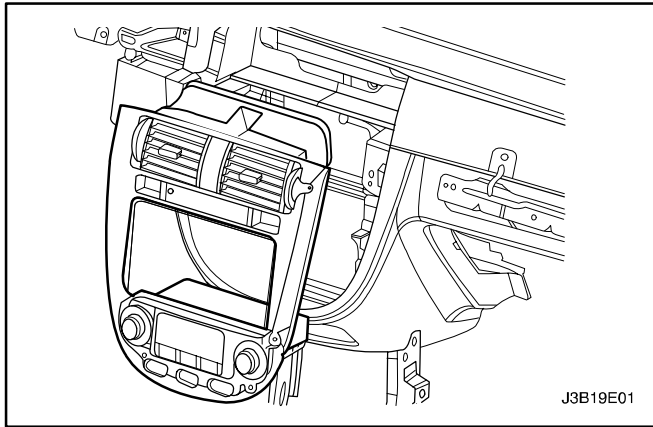
Tighten

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

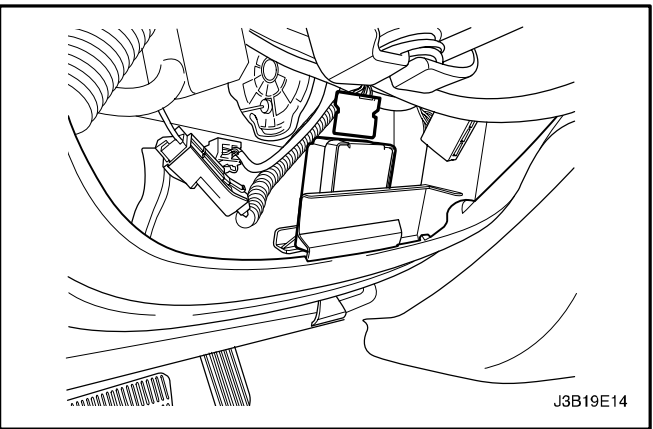
Tighten the steering column bolts to 22 N•m (16 lb–ft).



10. Install the instrument panel fuse block with the screw.
11. Install the instrument panel side covers with the screws.



12. Install the knee bolster. Refer to *Section 9G, Interior Trim*.
13. Install the glove box and the glove box housing. Refer to "Glove Box" in this section.
14. Install the instrument cluster. Refer to "Instrument Cluster" in this section.
15. Install the instrument cluster trim panel. Refer to "Instrument Cluster Trim Panel" in this section.
16. Install the instrument cluster dimmer switch assembly.
17. Install the stereo cassette AM/FM radio. Refer to *Section 9F, Audio Systems*. Remove the center molding.
18. Install the sun sensor. Refer to *Section 7D, Automatic Temperature Control Heating, Ventilation, and Air Condition System*.
19. Install the floor console. Refer to *Section 9G, Interior Trim*.
20. Connect the negative battery cable.

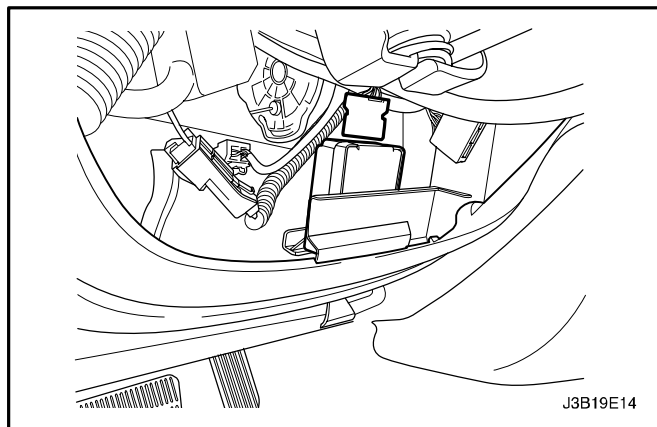


CHIME MODULE

(Left-hand Drive Shown, Right-Hand Drive Similar)

Removal Procedure

1. Disconnect the negative battery cable.
2. Remove the knee bolster trim panel beneath the steering column.
3. Disconnect the electrical connector.
4. Remove the screws and the chime module.



Installation Procedure

1. Install the chime module with the screws.

Tighten

Tighten the chime module screws to 4 N•m (35 lb-in).

2. Connect the electrical connector.
3. Install the knee bolster trim panel beneath the steering column.
4. 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's 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

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.

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.

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 key is left in the ignition switch when the ignition is in LOCK and the door is open.