Fastener Tightening Specifications

Application	Specification	
	Metric	English
Control Assembly Retaining Screws	2N·m	18 lb in

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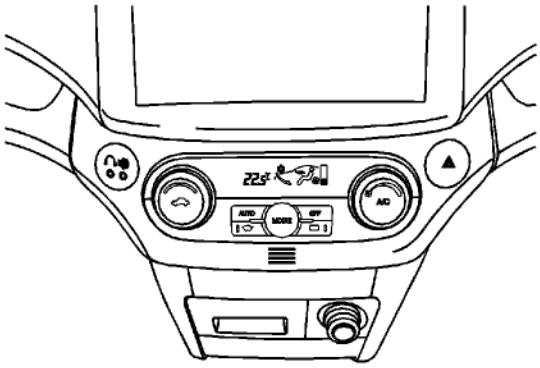
Heater and Air Conditioning Control Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the audio system trim molding.
3. Remove the lower HVAC control assembly trim molding.
4. Remove the HVAC control assembly screws.
5. Disconnect the electrical connectors.
6. Remove the HVAC control assembly.

Installation Procedure

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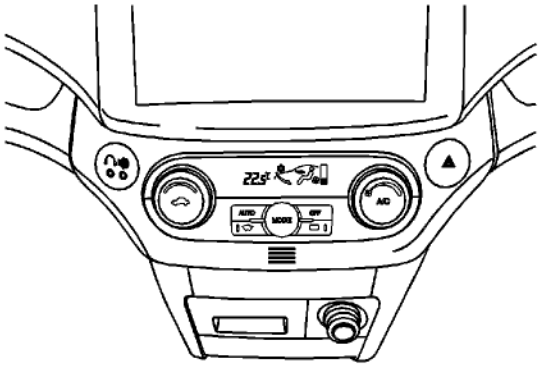

1. Connect the electrical connectors.

   Caution: Refer to Fastener Caution in the Preface section.

2. Position the HVAC control assembly on the center molding and install the retaining screws and tighten to **2 N·m (18 lb in)**.
3. Install the audio trim panel.
4. Connect the negative battery cable.

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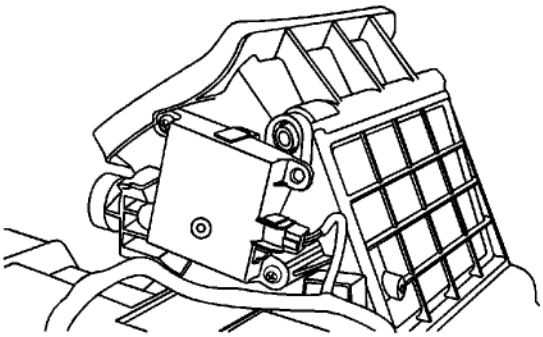
Air Inlet Valve Actuator Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the instrument panel assembly. Refer to Instrument Panel Assembly Replacement.
3. Disconnect the electrical connector.
4. Remove the motor retaining screws.
5. Remove the motor.

Installation Procedure

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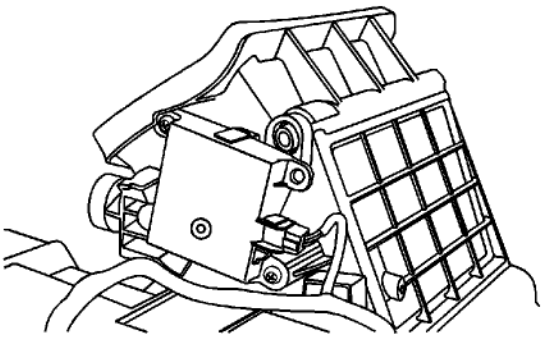

1. Install the motor.
2. Install the motor retaining bolts and tighten.
3. Connect the electrical connector.
4. Install the instrument panel assembly. Refer to Instrument Panel Assembly Replacement
5. Connect the negative battery cable.

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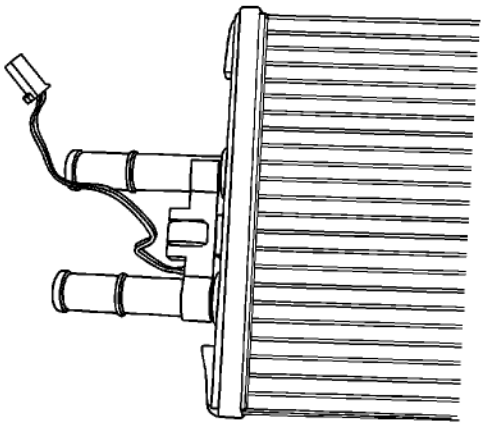
Automatic A/C Engine Coolant Temperature Sensor Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the heater core cover. Refer to Heater Core Replacement.
3. Disconnect the electrical connector.
4. Remove the sensor retaining screws.
5. Remove the sensor from the heater core pipe.

Installation Procedure

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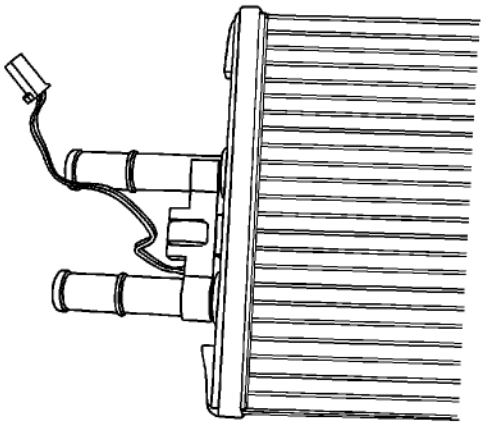

1. Install the sensor with the retaining screws and tighten.
2. Connect the electrical connector.
3. Install the heater core cover. Refer to Heater Core Replacement.
4. Connect the negative battery cable.

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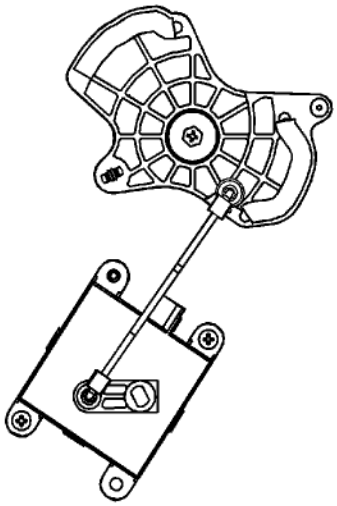
Mode Valve Actuator Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the instrument panel assembly. Refer to Instrument Panel Assembly Replacement.
3. Disconnect the electrical connector.
4. Remove the motor actuating rod by snapping out it out of the lever with needle-nose pliers.
5. Remove the motor retaining bolts.
6. Remove the mode door motor.

Installation Procedure

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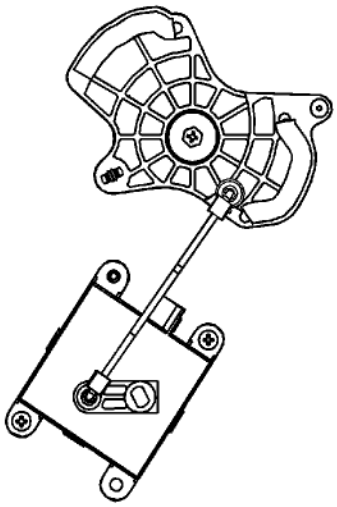

1. Install the mode door motor.
2. Install the motor retaining screws and tighten.
3. Install the actuating rod.
4. Connect the electrical connector.
5. Install the instrument panel assembly. Refer to Instrument Panel Assembly Replacement.
6. Connect the negative battery cable.

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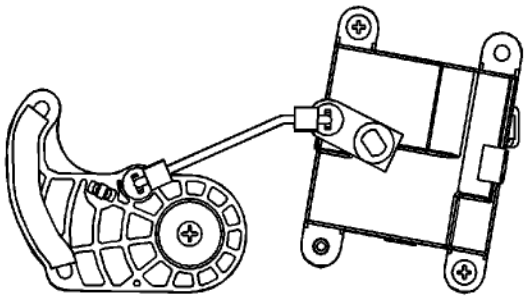
Temperature Valve Actuator Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the instrument panel assembly. Refer to Instrument Panel Assembly Replacement.
3. Disconnect the electrical connector.
4. Remove the actuating rod by snapping it out of the lever with needle-nose pliers.
5. Remove the air temperature actuator retaining screws.
6. Remove the air temperature actuator.

Installation Procedure

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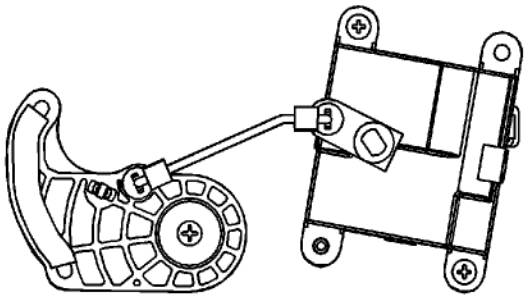

1. Install the air temperature actuator.
2. Install the retaining screws and tighten.
3. Install the actuating rod.
4. Connect the electrical connector.
5. Install the instrument panel assembly. Refer to Instrument Panel Assembly Replacement.
6. Connect the negative battery cable.

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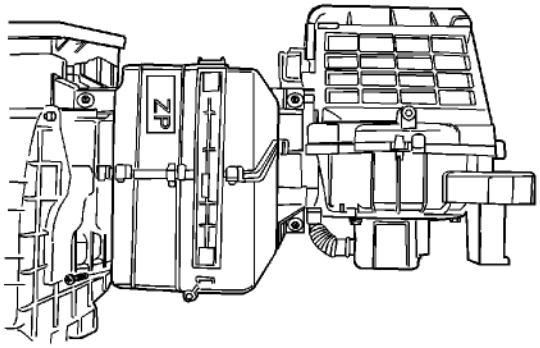
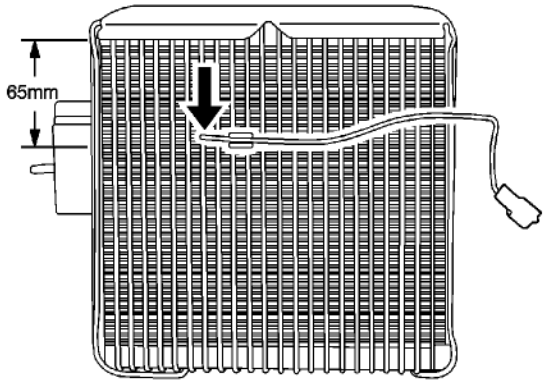
Air Conditioning Refrigerant Temperature Sensor Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery.
2. Remove the evaporator core. Refer to Air Conditioning Evaporator Core Replacement.



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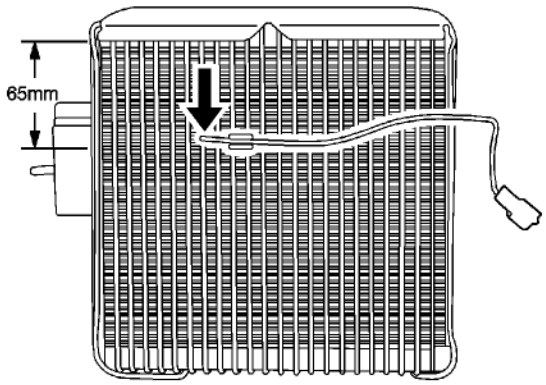
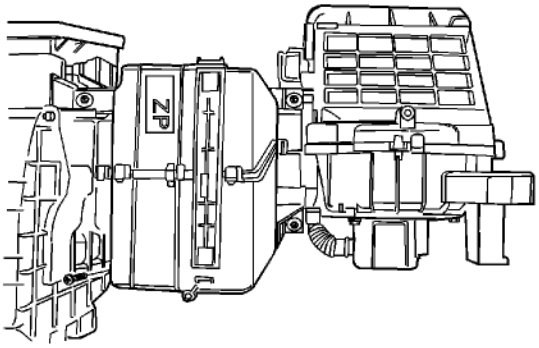
3. Remove the intake sensor with the connector.

Installation Procedure



Note: To achieve peak air conditioning performance the intake sensor should be located at column 8 and a height of 65 mm.

1. Install the intake sensor with the connector.



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2. Install the evaporator core. Refer to Air Conditioning Evaporator Core Replacement.
3. Connect the negative battery.

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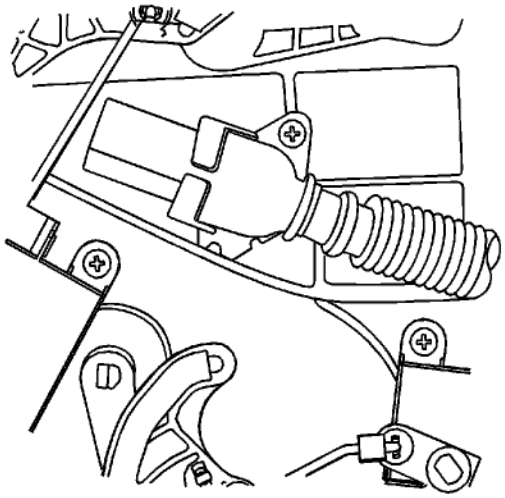
Inside Air Temperature Sensor Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the instrument panel assembly. Refer to Instrument Panel Assembly Replacement
3. Disconnect the electrical connector.
4. Remove the retaining screws.
5. Remove the air inlet tube.
6. Remove the inside air temperature sensor.

Installation Procedure

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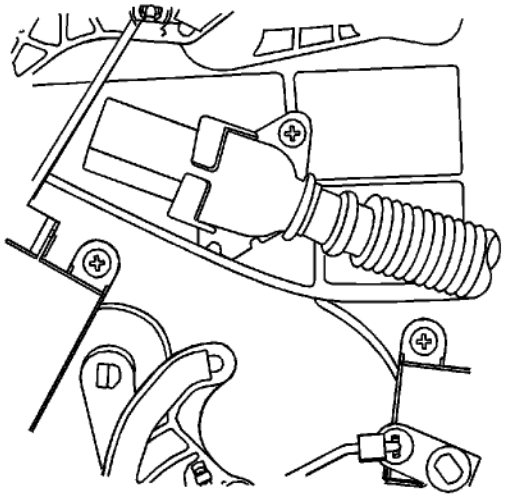

1. Install the inside air temperature sensor with the retaining screws and tighten.
2. Install the air inlet tube and connect the electrical connector.
3. Install instrument panel assembly. Refer to Instrument Panel Assembly Replacement
4. Connect the negative battery cable.

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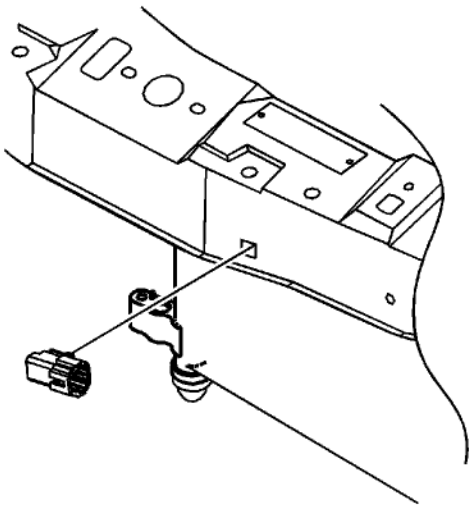
Ambient Air Temperature Sensor Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Remove the front bumper. Refer to Front Bumper Fascia Replacement.
3. Disconnect the ambient air temperature sensor electrical connector.
4. Remove the ambient air temperature sensor from the bracket.

Installation Procedure

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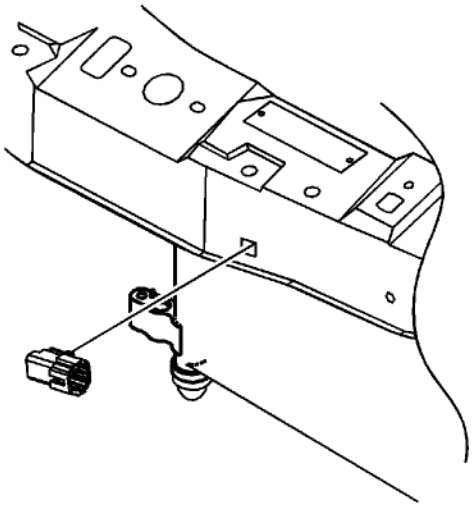

1. Install the ambient air temperature sensor into its bracket.
2. Connect the electrical connector.
3. Install the front bumper. Refer to Front Bumper Fascia Replacement
4. Connect the negative battery cable.

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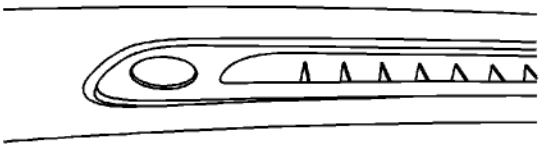
Sun Load Temperature Sensor Replacement

Removal Procedure

Warning: Refer to Battery Disconnect Warning in the Preface section.



1. Disconnect the negative battery cable.
2. Gently pry up on the sun load sensor to remove it.
3. Secure the electrical connector to prevent it from falling beneath the dash.
4. Disconnect the electrical connector and remove the sun load sensor.

Installation Procedure

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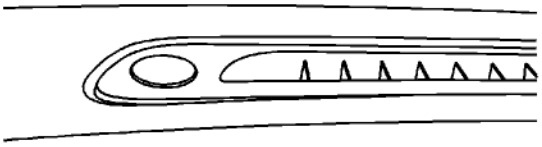

1. Connect the electrical connector.
2. Insert and press the sun load sensor into position in the dash.
3. Connect the negative battery cable.

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