



## DIAGNOSTIC TROUBLE CODE (DTC) 15

### PASSENGER DEPLOYMENT LOOP RESISTANCE HIGH

#### Circuit Description

When the ignition switch is turned ON, the sensing and diagnostic module (SDM) will perform tests to diagnose critical malfunctions within itself. Upon passing these tests, Ignition 1 and deployment loop voltages are measured to ensure that they are within their respective normal voltage ranges. The SDM then proceeds with the resistance measurement test. Passenger low terminal 4 is grounded through a current sink. The passenger current source is connected to the passenger high terminal to allow a known amount of current to flow. By monitoring the voltage difference between passenger high and passenger low, the SDM calculates the combined resistance of the passenger inflator module, harness wiring, and connector terminal contacts.

#### DTC 15

Diagnostic Trouble Code (DTC) 15 will set when the combined resistance of the passenger deployment loop is above a specified value. The test is run once each ignition cycle during the resistance measurement test when the following conditions occur:

- No higher priority faults are detected when the ignition is turned ON.

- Ignition 1 voltage is above a specified value.

When DTC 15 is set, the SDM will turn ON the AIRBAG indicator.

DTC 15 will clear when the following conditions occur:

- The ignition switch is turned OFF.
- The scan tool CLEAR CODES command is received.

#### Test Description

The numbers below refer to steps on the diagnostic table.

2. Refer to the first caution below.
8. Refer to the cautions below.

#### Diagnostic Aids

An intermittent condition is likely to be caused by a poor connection at the passenger inflator module harness connector terminals, SDM terminals 1 or 4, or poor wire-to-terminal connections in that circuit. The test for this DTC is run only while the AIRBAG indicator is performing the bulb test. When a scan tool CLEAR CODES command is issued and the malfunction is still present, the DTC will not reappear until the next ignition cycle.

### DTC 15 – Passenger Deployment Loop Resistance High

**CAUTION :** The sensing and diagnostic module (SDM) can maintain sufficient voltage to deploy the airbags for 10 minutes after the ignition is OFF and the fuse has been removed. If the airbags are not disconnected, do not begin service until 10 minutes have passed after disconnecting power to the SDM. Otherwise, injury could result.

**CAUTION :** Never measure the resistance of an inflator module with an ohmmeter. The ohmmeter battery could unexpectedly deploy the airbag which would create the possibility of severe injury and would require the replacement of otherwise seable components.

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**CAUTION :** During service procedures, be very careful when handling the SDM. Never strike or jar the SDM. Never power the supplemental inflatable restraints (SIR) system when the SDM is not rigidly attached to the vehicle. All SDM mounting bolts must be carefully tightened, and the SDM arrow must be pointing toward the front of the vehicle to ensure proper operation of the SIR system. The SDM could be activated if it is powered when it is not rigidly attached to the vehicle, resulting in unexpected deployment and possible injury.

Step	Action	Value(s)	Yes	No
1	Perform the SIR Diagnostic System Check. Is the SIR Diagnostic System Check complete?		Go to Step 2	
2	1. Disable the SIR system. Refer to "Disabling the SIR System" in this section. 2. Disconnect the passenger airbag module yellow two-way connector located at the rear of the glove box. 3. Inspect the passenger airbag module connector for damage or loose terminals or wires. Is a faulty connector, component, terminal, or wire detected?		Go to Step 3	Go to Step 4
3	1. Replace the faulty connector, component, terminal, or wire. 2. Connect all SIR system components. Is the repair complete?		Go to "SIR Diagnostic System Check"	
4	Check the SDM connector terminals 1 and 4 for loose terminals. Is a problem found?		Go to Step 5	Go to Step 6
5	1. Replace the loose terminals or wires. 2. Connect all the SIR system components. Is the repair complete?		Go to "SIR Diagnostic System Check"	
6	1. Disconnect the passenger airbag. 2. Using an ohmmeter, check for an open circuit between the SDM terminals 1 and 4 and the passenger airbag connector. Refer to "Diagnostic Illustration 1" in this section Does the ohmmeter show the specified value?		Go to Step 7	Go to Step 8
7	1. Replace the open wires. 2. Connect all the SIR system components. Is the repair complete?		Go to "SIR Diagnostic System Check"	

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Step	Action	Value(s)	Yes	No
8	<ol style="list-style-type: none"> <li>1. While the ignition is OFF, connect the scan tool.</li> <li>2. Turn the ignition ON.</li> <li>3. Clear the current DTC codes with the scan tool.</li> <li>4. Turn the ignition OFF.</li> <li>5. Remove the key.</li> <li>6. Disconnect the passenger airbag.</li> <li>7. Connect the load tool J-38715 in place of the passenger airbag.</li> <li>8. Turn the ignition ON.</li> <li>9. Check the DTCs with the scan tool.</li> </ol> Is DTC 15 still a current DTC code?		Go to <i>Step 9</i>	Go to <i>Step 10</i>
9	<ol style="list-style-type: none"> <li>1. Replace the SDM. The arrow must be pointing toward the front of the vehicle.</li> <li>2. Connect all SIR system components.</li> <li>3. Make sure that all the components are properly mounted.</li> </ol> Is the repair complete?		Go to "SIR Diagnostic System Check"	
10	<ol style="list-style-type: none"> <li>1. Turn the ignition to LOCK.</li> <li>2. Remove the key.</li> <li>3. Disconnect the passenger airbag electrical connector.</li> <li>4. Replace the passenger airbag module.</li> <li>5. Connect all the SIR system components.</li> </ol> Is the repair complete?		Go to "SIR Diagnostic System Check"	



## DIAGNOSTIC TROUBLE CODE (DTC) 16

### PASSENGER DEPLOYMENT LOOP RESISTANCE

#### Circuit Description

When the ignition switch is turned ON, the sensing and diagnostic module (SDM) will perform tests to diagnose critical malfunctions within itself. Upon passing these tests, Ignition 1 and deployment loop voltages are measured to ensure that they are within their respective normal voltage ranges. The SDM then proceeds with the resistance measurement test. Passenger low terminal 4 is grounded through a current sink. The passenger current source is connected to the passenger high terminal to allow a known amount of current to flow. By monitoring the voltage difference between the passenger high and passenger low terminals, the SDM calculates the combined resistance of the passenger's inflator module, harness wiring, and connector terminal contacts.

#### DTC 16

DTC 16 will set when the resistance of the passenger deployment loop is below a specified value. The test is run once each ignition cycle during the resistance measurement test when the following conditions occur:

- No higher priority faults are detected when the ignition is turned ON.
- Ignition 1 voltage is above a specified value.

When DTC 16 is set, the SDM will turn ON the AIRBAG indicator.

DTC 16 will clear when the following conditions occur:

- The ignition switch is turned OFF.
- The scan tool CLEAR CODES command is received.

#### Test Description

The numbers below refer to steps on the diagnostic table.

3. Refer to the first caution below.
6. Refer to the first caution below.
10. Refer to the cautions below.

#### Diagnostic Aids

An intermittent condition is likely to be caused by a short between the passenger high and low circuits, a short between the passenger high circuit and the driver high circuit, or a short between the passenger high circuit and the driver low circuit. The problem could also be a malfunctioning shorting bar in the passenger airbag connector, which would require replacement of the passenger airbag module. The test for this DTC is run only while the AIRBAG indicator is performing the turn-on test. When a scan tool CLEAR CODES command is issued while the malfunction is still present, the DTC will not reappear until the next ignition cycle.

**DTC 16 – Passenger Deployment Loop Resistance Low**

**CAUTION :** *The sensing and diagnostic module (SDM) can maintain sufficient voltage to deploy the airbags for 10 minutes after the ignition is OFF and the fuse has been removed. If the airbags are not disconnected, do not begin service until 10 minutes have passed after disconnecting power to the SDM. Otherwise, injury could result.*

**CAUTION :** *Never measure the resistance of an inflator module with an ohmmeter. The ohmmeter battery could unexpectedly deploy the airbag which would create the possibility of severe injury and would require the replacement of otherwise useable components.*

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**CAUTION :** *During service procedures, be very careful when handling the SDM. Never strike or jar the SDM. Never power the supplemental inflatable restraints (SIR) system when the SDM is not rigidly attached to the vehicle. All SDM mounting bolts must be carefully tightened, and the SDM arrow must be pointing toward the front of the vehicle to ensure proper operation of the SIR system. The SDM could be activated if it is powered when it is not rigidly attached to the vehicle, resulting in unexpected deployment and possible injury.*

Step	Action	Value(s)	Yes	No
1	Perform the SIR Diagnostic System Check. Is the SIR Diagnostic System Check complete?		Go to Step 2	
2	1. Turn the ignition to LOCK. 2. Remove the key. 3. Connect the scan tool to the data link connector (DLC). 4. Turn the ignition ON. Is DTC 22 also current?		Go to Step 3	Go to Step 4
3	1. Disable the SIR system. Refer to "Disabling the SIR System" in this section. 2. Repair the short between the driver airbag high circuit and the passenger airbag high circuit. 3. Make sure all the SIR system components are reconnected and properly mounted. Is the repair complete?		Go to "Disable the SIR system"	
4	1. Turn the ignition to LOCK. 2. Remove the key. 3. Make sure the passenger airbag module yellow two-way connector is seated properly. Is the yellow two-way passenger airbag connector seated properly?		Go to Step 6	Go to Step 5
5	1. Seat the passenger airbag yellow two-way connector. 2. Make sure all the SIR system components reconnected and properly mounted. Is the repair complete?		Go to "SIR Diagnostic System Check"	
6	1. Disable the SIR system. Refer to "Disable the SIR system" in this section. 2. Check for a short between the passenger high and passenger low circuits (SDM terminals 1 and 4). Refer to "Diagnostic Illustration 2" in this section. Is there a short between the passenger high and low circuits?		Go to Step 7	Go to Step 8
7	1. Repair the short between the passenger high circuit and the passenger low circuit. 2. Make sure all the SIR system components are reconnected and properly mounted. Is the repair complete?		Go to "SIR Diagnostic System Check"	

Step	Action	Value(s)	Yes	No
8	<p>Check for a short between the passenger high and driver low circuits. Refer to "Diagnostic Illustration 3" in this section.</p> <p>Is there a short between the passenger high and driver low circuits (SDM terminals 1 and 3)?</p>		Go to <i>Step 9</i>	Go to <i>Step 10</i>
9	<ol style="list-style-type: none"> <li>1. Repair the short between the passenger high circuit and the driver low circuit.</li> <li>2. Make sure all the SIR system components are reconnected and properly mounted.</li> <li>3. Command CLEAR CODES with the scan tool.</li> </ol> <p>Is the repair complete?</p>		Go to "SIR Diagnostic System Check"	
10	<ol style="list-style-type: none"> <li>1. While the ignition is OFF, connect the scan tool.</li> <li>2. Turn the ignition ON.</li> <li>3. Clear the current DTC codes with the scan tool.</li> <li>4. Turn the ignition OFF.</li> <li>5. Remove the key.</li> <li>6. Disconnect the passenger airbag.</li> <li>7. Connect the load tool J-38715 in place of the passenger airbag.</li> <li>8. Turn the ignition ON.</li> <li>9. Check the DTCs with the scan tool.</li> </ol> <p>Is DTC 16 still a current DTC code?</p>		Go to <i>Step 11</i>	Go to <i>Step 12</i>
11	<ol style="list-style-type: none"> <li>1. Replace the SDM. The arrow must be pointing toward the front of the vehicle.</li> <li>2. Connect all the SIR system components.</li> <li>3. Make sure all the components are properly mounted.</li> </ol> <p>Is the repair complete?</p>		Go to "SIR Diagnostic System Check"	
12	<ol style="list-style-type: none"> <li>1. Disconnect the passenger airbag electrical connector.</li> <li>2. Replace the passenger airbag module.</li> <li>3. Make sure all the SIR system components are reconnected and are properly mounted.</li> <li>4. Command CLEAR CODES with the scan tool.</li> </ol> <p>Is the repair complete?</p>			



## DIAGNOSTIC TROUBLE CODE (DTC) 17

### PASSENGER DEPLOYMENT LOOP OPEN

#### Circuit Description

When the ignition switch is turned ON, the sensing and diagnostic module (SDM) will perform tests to diagnose critical malfunctions within itself. After passing these tests, Ignition 1 and deployment loop voltages are measured to ensure that they are within their respective normal voltage ranges. The SDM then proceeds with the resistance measurement test. Passenger low terminal 4 is grounded through a current sink. The passenger current source is connected to the passenger high terminal to allow a known amount of current to flow. By monitoring the voltage difference between passenger high and passenger low, the SDM calculates the combined resistance of the passenger inflator module, the harness wiring, and the connector terminal contacts.

#### DTC 17

DTC 17 will set when the resistance of the passenger de-

ployment loop is above a specified value for 500 milliseconds. The resistance is monitored during the deployment loop continuity test and during continuous monitoring.

An open wire in the passenger deployment will also set DTC 17.

When DTC 17 is set, the SDM will turn on the AIRBAG indicator.

DTC 17 will clear when the resistance of the passenger deployment loop is below a specified value for 500 milliseconds during continuous monitoring.

#### Test Description

The numbers below refer to steps on the diagnostic table.

3. Refer to the first caution below.
8. Refer to the cautions below.

#### Diagnostic Aids

An intermittent condition is likely to be caused by a poor connection, either at the passenger airbag connector or at terminals 1 and 4 of the SDM.

### DTC 17 – Passenger Deployment Loop Open

**CAUTION :** *The sensing and diagnostic module (SDM) can maintain sufficient voltage to deploy the airbags for 10 minutes after the ignition is OFF and the fuse has been removed. If the airbags are not disconnected, do not begin service until 10 minutes have passed after disconnecting power to the SDM. Otherwise, injury could result.*

**CAUTION :** *Never measure the resistance of an inflator module with an ohmmeter. The ohmmeter battery could unexpectedly deploy the airbag which would create the possibility of severe injury and would require the replacement of otherwise useable components.*

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**CAUTION :** *During service procedures, be very careful when handling the SDM. Never strike or jar the SDM. Never power the supplemental inflatable restraints (SIR) system when the SDM is not rigidly attached to the vehicle. All SDM mounting bolts must be carefully tightened, and the SDM arrow must be pointing toward the front of the vehicle to ensure proper operation of the SIR system. The SDM could be activated if it is powered when it is not rigidly attached to the vehicle, resulting in unexpected deployment and possible injury.*

Step	Action	Value(s)	Yes	No
1	Perform the SIR Diagnostic System Check. Is the SIR Diagnostic System Check complete?		Go to Step 2	
2	1. Turn the ignition to LOCK. 2. Remove the key. 3. Disconnect the passenger airbag connector. 4. Inspect the terminals for damage or improper connection. 5. Repair any damaged pins or terminals on the wiring harness side of the connector. 6. If the pigtail or airbag side of the connector is damaged, the passenger airbag must be replaced. 7. If no damage is found, reconnect the passenger airbag yellow two-way connector and make sure it is seated properly.. 8. Turn the ignition ON. Is DTC still current?		Go to Step 3	System OK
3	1. Disable the SIR system. Refer to "Disable the SIR system" in this section. 2. Check terminals 1 and 4 at the SDM. Are there any loose wires or damaged pins or terminals?		Go to Step 4	Go to Step 5
4	1. Repair any loose or damaged pins or SDM terminals. 2. Make sure all the SIR system components are reconnected and properly mounted. Is the repair complete?		Go to "SIR Diagnostic System Check"	
5	Check for an open circuit between the SDM and passenger airbag connector. Refer to "Diagnostic Illustration 1" in this section. Is there an open circuit?		Go to Step 6	Go to Step 7
6	1. Repair the open circuit between the SDM and the passenger inflator module. 2. Make sure all the SIR system components are reconnected and properly mounted. Is the repair complete?	"SIR Diagnostic System Check"	Go to	

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Step	Action	Value(s)	Yes	No
7	<ol style="list-style-type: none"> <li>1. While the ignition is OFF, connect the scan tool.</li> <li>2. Turn the ignition ON.</li> <li>3. Clear the current DTC codes with the scan tool.</li> <li>4. Turn the ignition OFF,</li> <li>5. Remove the key.</li> <li>6. Disconnect the passenger airbag.</li> <li>7. Connect the load tool J-38715 in place of the passenger airbag.</li> <li>8. Turn the ignition ON.</li> <li>9. Check the DTCs with the scan tool.</li> </ol> Is DTC 17 still a current DTC code?		Go to <i>Step 8</i>	Go to <i>Step 9</i>
8	<ol style="list-style-type: none"> <li>1. Replace the SDM. The arrow must be pointing toward the front of the vehicle.</li> <li>2. Connect all the SIR system components.</li> <li>3. Make sure all the components are properly mounted.</li> </ol> Is the repair complete?		Go to "SIR Diagnostic System Check"	
9	<ol style="list-style-type: none"> <li>1. Turn the ignition to LOCK.</li> <li>2. Remove the key.</li> <li>3. Disconnect the yellow SIR connector at the passenger airbag.</li> <li>4. Replace the passenger airbag module.</li> <li>5. Make sure all the SIR system components are reconnected and properly mounted.</li> </ol> Is the repair complete?		Go to "SIR Diagnostic System Check"	



## DIAGNOSTIC TROUBLE CODE (DTC) 18

### PASSENGER DEPLOYMENT LOOP SHORT TO GROUND

#### Circuit Description

When the ignition switch is turned ON, the sensing and diagnostic module (SDM) will perform tests to diagnose critical malfunctions within itself. Upon passing these tests, Ignition 1 and deployment loop voltages are measured to ensure that they are within their respective normal voltage ranges. The SDM monitors the voltages at the driver low terminal (terminal 3) and the passenger low terminal (terminal 4) to detect shorts to ground in the deployment loops.

#### DTC 18

DTC 18 will set if the voltage at the passenger low terminal falls below a specified value and Ignition 1 is within the normal operating voltage range.

This test is run during turn-on tests and every 100 milliseconds during continuous monitoring.

When DTC 18 is set, the SDM will turn on the AIRBAG indicator and also set a DTC 71.

DTC 18 will clear when the malfunction is no longer occurring and the SDM has been replaced. DTC 18 cannot be cleared with the scan tool.

#### Diagnostic Aids

Carefully inspect the wires in the passenger loop for cutting or chafing. If the wiring pigtail of the passenger airbag is damaged, the passenger airbag must be replaced.

#### Test Description

The numbers below refer to steps on the diagnostic table.

3. Refer to the first caution below.
4. Refer to the first caution below.
5. Refer to the third caution below.

**DTC 18 – Passenger Deployment Loop Short to Ground**

**CAUTION :** *The sensing and diagnostic module (SDM) can maintain sufficient voltage to deploy the airbags for 10 minutes after the ignition is OFF and the fuse has been removed. If the airbags are not disconnected, do not begin service until 10 minutes have passed after disconnecting power to the SDM. Otherwise, injury could result.*

**CAUTION :** *Never measure the resistance of an inflator module with an ohmmeter. The ohmmeter battery could unexpectedly deploy the airbag which would create the possibility of severe injury and would require the replacement of otherwise useable components.*

**CAUTION :** *During service procedures, be very care-*

*ful when handling the SDM. Never strike or jar the SDM. Never power the supplemental inflatable restraints (SIR) system when the SDM is not rigidly attached to the vehicle. All SDM mounting bolts must be carefully tightened, and the SDM arrow must be pointing toward the front of the vehicle to ensure proper operation of the SIR system. The SDM could be activated if it is powered when it is not rigidly attached to the vehicle, resulting in unexpected deployment and possible injury.*

**Important :** A careful inspection of the circuits and components indicated on the DTC 18 chart is essential to ensure that the replacement SDM will not be damaged. When DTC 18 has been set, it is necessary to replace the SDM.

Step	Action	Value(s)	Yes	No
1	Perform the SIR Diagnostic System Check. Is the SIR Diagnostic System Check complete?		Go to Step 2	
2	Visually inspect the wires to the passenger airbag, including the pigtail to the passenger airbag. Is there any evidence of rubbing, damage, or chafing?		Go to Step 3	Go to Step 4
3	1. Disable the SIR System. Refer to "SIR Diagnostic System Check" in this section. 2. Replace any damaged wiring, terminals, or harnesses. The passenger airbag will require replacement if the pigtail wire harness has been damaged. 3. Replace the SDM. The arrow must be pointing to the front of the vehicle. Is the repair complete?		Go to "SIR Diagnostic System Check"	
4	1. Disable the SIR System. Refer to "SIR Diagnostic System Check" in this section. 2. Disconnect the SDM. 3. Using a digital multimeter, measure resistance at the SDM harness connector between terminal 1 and terminal 6 (ground). Refer to "Diagnostic Illustration 4" in this section. Is the resistance equal to the specified value?		Go to Step 6	Go to Step 5
5	1. Repair the short to ground between the passenger high circuit and ground. 2. Replace the SDM. The arrow must be pointing to the front of the vehicle. Is the repair complete?		Go to Step 6	
6	1. Disconnect the SDM. 2. Measure the resistance at the SDM connector between terminal 4 and terminal 6 (ground). Refer to "Diagnostic Illustration 5" in this section. Is the resistance equal to the specified value?		Go to Step 8	Go to Step 7

Step	Action	Value(s)	Yes	No
7	1. Repair the short to ground between the passenger low circuit and ground. 2. Replace the SDM. The arrow must be pointing the front of the vehicle. Is the repair complete?		Go to "SIR Diagnostic System Check"	
8	1. Replace the passenger airbag. 2. Replace the SDM. The arrow must be pointing to the front of the vehicle. Is the repair complete?		Go to "SIR Diagnostic System Check"	



## DIAGNOSTIC TROUBLE CODE (DTC) 19

### PASSENGER DEPLOYMENT LOOP SHORT TO VOLTAGE

#### Circuit Description

When the ignition switch is turned ON, the sensing and diagnostic module (SDM) will perform tests to diagnose critical malfunctions within itself. Upon passing these tests, Ignition 1 and deployment loop voltages are measured to ensure that they are within their respective normal voltage ranges. The SDM monitors the voltages at the driver low terminal (terminal 3) and the passenger low terminal (terminal 4) to detect shorts to voltage in the deployment loops.

#### DTC 19

DTC 19 will set when the voltage at the passenger low terminal rises above a specified value while the driver low terminal is below that value and Ignition 1 is within the normal operating voltage range. This test is run during turn-on tests and every 100 milliseconds during continuous monitoring.

When DTC 19 is set, the SDM will turn on the AIRBAG indicator.

DTC 19 will clear when the voltage measured at the passenger low terminal is below a specified value for 500 milliseconds.

#### Diagnostic Aids

An intermittent condition is likely to be caused by a short to voltage in the passenger deployment loop. Carefully inspect the wires in the passenger loop for cutting or chafing. If the wiring pigtail of the passenger airbag is damaged, the passenger airbag must be replaced.

#### Test Description

The numbers below refer to steps on the diagnostic table.

3. Refer to the first caution below.
4. Refer to the first caution and the important below.
8. Refer to the cautions below.

**DTC 19 – Passenger Deployment Loop Short to Voltage**

**CAUTION :** The sensing and diagnostic module (SDM) can maintain sufficient voltage to deploy the airbags for 10 minutes after the ignition is OFF and the fuse has been removed. If the airbags are not disconnected, do not begin service until 10 minutes have passed after disconnecting power to the SDM. Otherwise, injury could result.

**CAUTION :** Never measure the resistance of an inflator module with an ohmmeter. The ohmmeter battery could unexpectedly deploy the airbag which would create the possibility of severe injury and would require the replacement of otherwise useable components.

**CAUTION :** Caution: During service procedures, be

very careful when handling the SDM. Never strike or jar the SDM. Never power the supplemental inflatable restraints (SIR) system when the SDM is not rigidly attached to the vehicle. All SDM mounting bolts must be carefully tightened, and the SDM arrow must be pointing toward the front of the vehicle to ensure proper operation of the SIR system. The SDM could be activated if it is powered when it is not rigidly attached to the vehicle, resulting in unexpected deployment and possible injury.

**Important :** Replace any damaged SIR wires. Do not try to repair the wires because a high-resistance connection could make the airbags inoperative and set another DTC.

Step	Action	Value(s)	Yes	No
1	Perform the SIR Diagnostic System Check. Is the SIR Diagnostic System Check complete?		Go to Step 2	Go to "SIR Diagnostic System Check"
2	Visually inspect the wires to the passenger airbag, including the pigtail to the passenger airbag. Is there any evidence of rubbing, damage, or chafing?		Go to Step 3	Go to Step 4
3	1. Disable the SIR System. Refer to "Disabling the SIR System" in this section. 2. Replace any damaged wiring, terminals, harnesses, or components. 3. Connect all the SIR components. 4. Make sure all the components are properly mounted. Is the repair complete?		Go to "SIR Diagnostic System Check"	
4	1. Disable the SIR System. Refer to "Disabling the SIR System" in this section. 2. Disconnect the SDM. 3. Turn the ignition ON. 4. Use digital multimeter to measure voltage at the SDM harness connector between terminal 1 and terminal 6 (ground). Refer to "Diagnostic Illustration 7" in this section. Is the resistance equal to the specified value?	1.0 v	Go to Step 6	Go to Step 5
5	1. Repair the short between the passenger high circuit and voltage. 2. Connect all SIR components. 3. Make sure all the components are properly mounted. Is the repair complete?		Go to "SIR Diagnostic System Check"	
6	1. Disconnect the SDM. 2. Turn the ignition ON. 3. Use a digital multimeter to measure the voltage at the SDM connector between terminal 4 and terminal 6 (ground). Refer to "Diagnostic Illustration 6" in this section. Is the voltage above the specified value?	1.0 v	Go to Step 7	Go to Step 8

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Step	Action	Value(s)	Yes	No
7	Repair the short between the passenger low circuit and voltage. Is the repair complete?		Go to "SIR Diagnostic System Check"	
8	Replace the SDM. Is the repair complete?		Go to "SIR Diagnostic System Check"	