

Troubleshooting - '99 - 01 Models

DTC 9-4

CAUTION: Whenever the ignition switch is ON (II), or has been turned OFF for less than 3 minutes, be careful not to bump the SRS unit or the side impact sensor; the airbags could accidentally deploy and cause damage or injuries.

Check for good connections:

1. Check the connections at the front passenger's tension reducer solenoid connectors, between the front passenger's seat belt buckle switch 3P and the right side wire harness 3P connectors, between the right side wire harness 24P and the main wire harness 24P connectors, between the main wire harness 8P and the SRS main harness 8P connectors, and the SRS main harness 18P connector.

Are the connections OK?

YES

NO

Poor contact; reconnect the affected connector(s) securely.

Check for a DTC:

1. Connect the front passenger's seat belt buckle switch.
2. Erase the DTC memory (see page 24-87).
3. Read the DTC (see page 24-84).

Is DTC 9-4 indicated?

YES

NO

Check for a DTC:

1. Disconnect the front passenger's seat belt buckle switch.
2. Erase the DTC memory (see page 24-87).
3. Read the DTC (see page 24-84).

Is DTC 9-4 indicated?

YES

NO

(A)

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Check for reading the DTC:

1. Disconnect the front passenger's seat belt buckle switch.
2. Erase the DTC memory (see page 24-87).
3. Read the DTC (see page 24-84).

Is DTC 9-4 indicated?

YES

NO

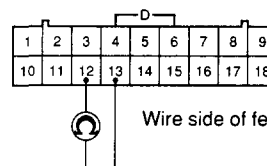
Intermittent failure, system is OK at this time. See Troubleshooting Intermittent Failures on page 24-87.

(C) To page 24-129

(A)

Check for a short to the wire between the hot line and low line:

1. Disconnect the airbag connectors.
2. Disconnect the SRS main harness 18P connector from the SRS unit.
3. Check resistance between the No. 12 and No. 13 terminals of the SRS main harness 18P connector. There should be 1 MΩ or more.



Is the resistance as specified?

YES

NO

(H) To page 24-131

To page 24-132 (I)



(C) From page 24-128

Check for a short to ground between the No. 13 (7.5 A) fuse in the under-dash fuse/relay box and the right side wire harness:

1. Disconnect the front passenger's tension reducer solenoid connector.
2. Erase the DTC memory (see page 24-87).
3. Read the DTC (see page 24-84).

Is DTC 9-4 indicated?

YES

NO

Check the No. 13 (7.5 A) fuse in the under-dash fuse/relay box (see page 24-92):

Is the fuse OK?

YES

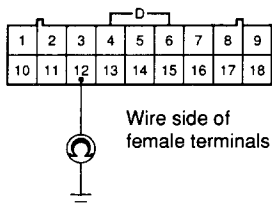
NO

Short to ground in the front passenger's tension reducer solenoid; replace the front passenger's tension reducer solenoid.

Short to ground in the No. 13 (7.5 A) fuse related circuit; refer to the [section 23](#) and continue troubleshooting.

Check for a short to ground in the hot line:

1. Disconnect the airbag connectors (see page 24-33).
2. Disconnect the SRS main harness 18P connector from the SRS unit (see page 24-92).
3. Check resistance between the No. 12 terminal of the SRS main harness 18P connector and body ground. There should be 1 M Ω or more.



Is the resistance as specified?

YES

NO

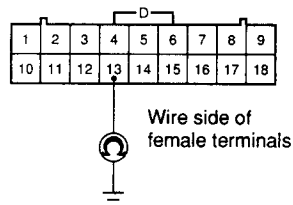
(D)

To page 24-130 (E)

(D)

Check for an open in the low line:

1. Check resistance between the No. 13 terminal of the SRS main harness 18P connector and body ground. There should be 0 – 1.0 Ω .



Is the resistance as specified?

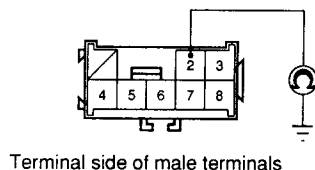
YES

NO

Faulty SRS unit; replace the SRS unit.

Check for an open between the right side wire harness and the SRS main harness (1):

1. Disconnect the main wire harness 8P connector from the SRS main harness (see page 24-93).
2. Check resistance between the No. 2 terminal of the main wire harness 8P connector and body ground. There should be 0 – 1.0 Ω .



Is the resistance as specified?

YES

NO

Open in the SRS main harness; replace the SRS main harness.

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(cont'd)

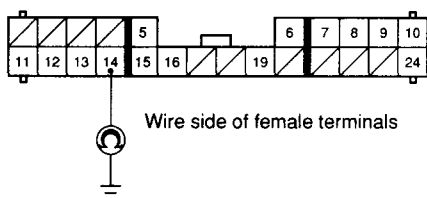
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DTC 9-4 (cont'd)

From page 24-129 (F)

Check for an open between the right side wire harness and the SRS main harness (2):

1. Disconnect the right side wire harness 24P connector (see page 24-97).
2. Check resistance between the No. 14 terminal of the right side wire harness 24P connector and body ground. There should be 0- 1.0 Ω .



Is the resistance as specified?

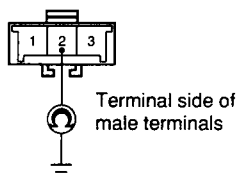
YES

NO

Open in the main wire harness; replace the main wire harness.

Check for an open between the right side wire harness and the SRS main harness (3):

1. Disconnect the right side wire harness 3P connector from the front passenger's seat belt buckle switch (see page 24-92).
2. Check resistance between the No. 2 terminal of the front passenger's seat belt buckle switch 3P connector and body ground. There should be 0 - 1.0 Ω .



Is the resistance as specified?

YES

NO

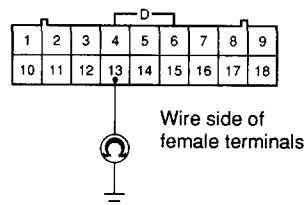
Open in the right side wire harness; replace the right side wire harness.

Faulty front passenger's seat belt buckle switch; replace the front passenger's seat belt inner buckle.

From page 24-129 (E)

Check for a short to ground between the right side wire harness and the SRS main harness (1):

1. Disconnect the right side wire harness 3P connector from the front passenger's seat belt buckle switch (see page 24-92).
2. Check resistance between the No. 13 terminal of the SRS main harness 18P connector and body ground. There should be 1 M Ω or more.



Is the resistance as specified?

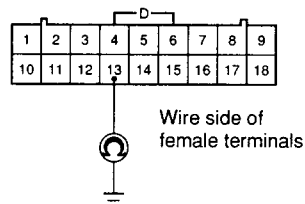
YES

NO

Faulty front passenger's seat belt buckle switch; replace the front passenger's seat belt inner buckle.

Check for a short to ground between the right side wire harness and the SRS main harness (2):

1. Disconnect the right side wire harness 24P connector (see page 24-97).
2. Check resistance between the No. 13 terminal of the SRS main harness 18P connector and body ground. There should be 1 M Ω or more.



Is the resistance as specified?

YES

NO

Short to ground in the right side wire harness; replace the right side wire harness.

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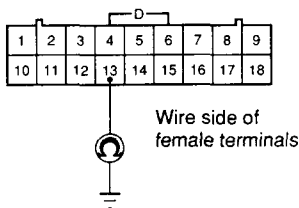


From page 24-130 (G)

(H) From page 24-128

Check for a short to ground between the right side wire harness and the SRS main harness (3):

1. Disconnect the main wire harness 8P connector from the SRS main harness (see page 24-93).
2. Check resistance between the No. 13 terminal of the SRS main harness 18P connector and body ground. There should be 1 M Ω or more.



Is the resistance as specified?

YES

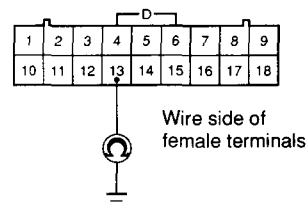
NO

Short to ground in the main wire harness; replace the main wire harness.

Short to ground in the SRS main harness; replace the SRS main harness.

Check for a short to ground in the low line:

1. Check for the front passenger's seat belt buckle switch is disconnected.
2. Check resistance between the No. 13 terminal of the SRS main harness 18P connector and body ground. There should be 0 - 1.0 Ω or more.



Is the resistance as specified?

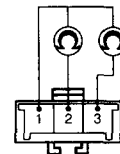
YES

NO

Faulty SRS unit; replace the SRS unit.

Check for an open or short to ground in the front passenger's seat belt buckle switch:

1. Disconnect the front passenger's seat belt buckle switch 3P connector (see page 24-92).
2. Check resistance between the No. 2 and No. 1 terminals of the front passenger's seat belt buckle switch 3P connector. There should be 0- 1.0 Ω .
3. Check resistance between the No. 3 and No. 1 terminals of the front passenger's seat belt buckle switch 3P connector. There should be 1 M Ω or more.



Terminal side of male terminals

Is the resistance as specified?

YES

NO

Faulty front seat belt buckle switch; replace the front seat belt inner buckle.

Short to ground in the front seat belt buckle switch or open in the right side wire harness; if the front seat belt buckle switch is OK, replace the right side wire harness.

(cont'd)

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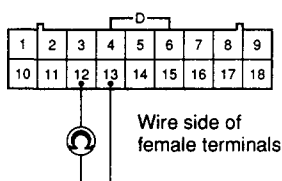
DTC 9-4 (cont'd)

From page 24-128 (I)

(J)

Check for a short to another wire between the right side wire harness and the SRS main harness (1):

1. Disconnect the right side wire harness 3P connector from the front passenger's seat belt buckle switch (see page 24-92).
2. Check resistance between the No. 12 and No. 13 terminals of the SRS main harness 18P connector.
There should be 1 M Ω or more.



Is the resistance as specified?

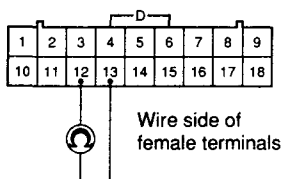
YES

NO

Short to another wire in the front seat belt buckle switch; replace the front seat belt inner buckle.

Check for a short to another wire between the right side wire harness and the SRS main harness (2):

1. Disconnect the right side wire harness 24P connector (see page 24-97).
2. Check resistance between the No. 12 and No. 13 terminals of the SRS main harness 18P connector.
There should be 1 M Ω or more.



Is the resistance as specified?

YES

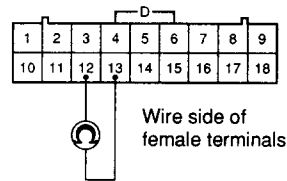
NO

Short to another wire in the right side wire harness; replace the right side wire harness.

(J)

Check for a short to another wire between the right side wire harness and the SRS main harness (3):

1. Disconnect the main wire harness 8P connector from the SRS main harness (see page 24-93).
2. Check resistance between the No. 12 and No. 13 terminals of the SRS main harness 8P connector.
There should be 1 M Ω or more.



Is the resistance as specified?

YES

NO

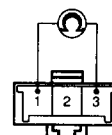
Short to another wire in the main wire harness; replace the main wire harness.

Short to another wire in the SRS main harness; replace the SRS main harness.

From page 24-128 (B)

Check for an open in the front passenger's seat belt buckle switch:

1. Connect the front seat belt buckle switch.
2. Check resistance between the No. 3 and No. 1 terminals of the front passenger's seat belt buckle switch 3P connector.
There should be 0 – 1.0 Ω .



Terminal side of male terminals

Is the resistance as specified?

YES

NO

Open in the front seat belt buckle switch; replace the front seat belt buckle switch.

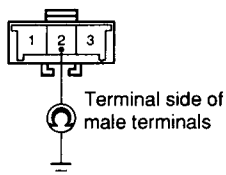
(K) To page 24-133



(K) From page 24-133

Check for a short to ground in the front passenger's seat belt buckle switch:

1. Check resistance between the No. 2 terminal of the front passenger's seat belt buckle switch 3P connector and body ground.
There should be 1 M Ω or more.



Is the resistance as specified?

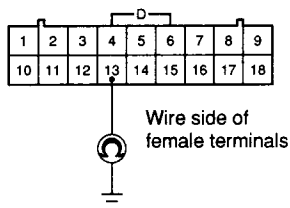
YES

NO

Short to ground in the front seat belt buckle switch; replace the front seat belt inner buckle.

Check for a short to ground in the low line:

1. Disconnect the front passenger's tension reducer solenoid connector from the front passenger's tension reducer solenoid.
2. Disconnect the airbag connectors (see page 24-33).
3. Disconnect the SRS main harness 18P connector from the SRS unit.
4. Check resistance between the No. 13 terminal of the SRS main harness 18P connectors and body ground.
There should be 1 M Ω or more.



Is the resistance as specified?

YES

NO

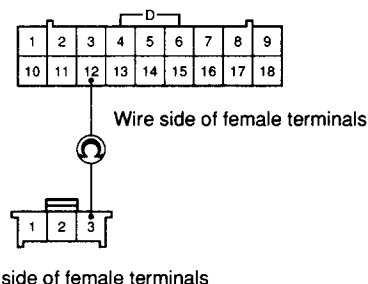
(L)

To page 24-134 (M)

(L)

Check for an open between the right side wire harness and the SRS main harness (1):

1. Check resistance between the No. 12 terminal of the SRS main harness 18P connector and No. 3 terminal of the right side wire harness 3P connector.
There should be 0 – 1.0 Ω .



Is the resistance as specified?

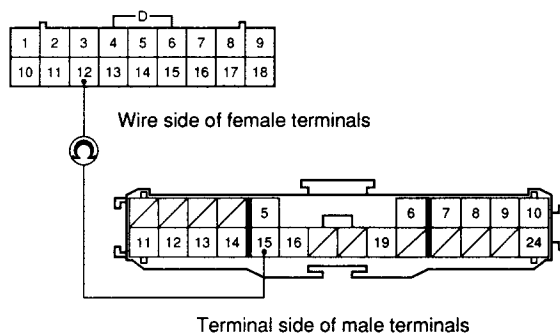
YES

NO

Faulty SRS unit; replace the SRS unit.

Check for an open between the right side wire harness and the SRS main harness (2):

1. Disconnect the right side wire harness 24P connector (see page 24-97).
2. Check resistance between the No. 12 terminal of the SRS main harness 18P connector and the No. 15 terminal of the main wire harness 24P connector.
There should be 0- 1.0 Ω .



Is the resistance as specified?

YES

NO

Open in the right side wire harness; replace the right side wire harness.

To page 24-134 (N)

(cont'd)

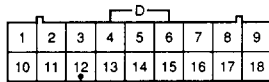
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DTC 9-4 (cont'd)

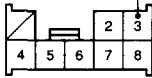
From page 24-133 (N)

Check for an open between the right side wire harness and the SRS main harness (3):

1. Disconnect the main wire harness 8P connector from the SRS main harness (see page 24-93).
2. Check resistance between the No. 12 terminal of the SRS main harness 18P connector and the No. 3 terminal of the SRS main harness 8P connector.
There should be 0 - 1.0 Ω .



Wire side of female terminals



Wire side of female terminals

Is the resistance as specified?

YES

NO

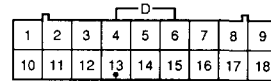
Open in the main wire harness; replace the main wire harness.

Open in the SRS main harness; replace the SRS main harness.

From page 24-133 (M)

Check for a short to ground between the right side wire harness and the SRS main harness (1):

1. Disconnect the right side wire harness 24P connector (see page 24-97).
2. Check resistance between the No. 13 terminal of the SRS main harness 18P connector and body ground.
There should be 1 M Ω or more.



Wire side of female terminals



Is the resistance as specified?

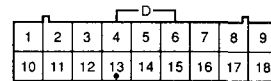
YES

NO

Short to ground in the right side wire harness; replace the right side wire harness.

Check for a short to ground between the right side wire harness and the SRS main harness (2):

1. Disconnect the main wire harness 8P connector from the SRS main harness (see page 24-93).
2. Check resistance between the No. 13 terminal of the SRS main harness 18P connector and body ground.
There should be 1 M Ω or more.



Wire side of female terminals



Is the resistance as specified?

YES

NO

Short to ground in the main wire harness; replace the main wire harness.

Short to ground in the SRS main harness; replace the SRS main harness.