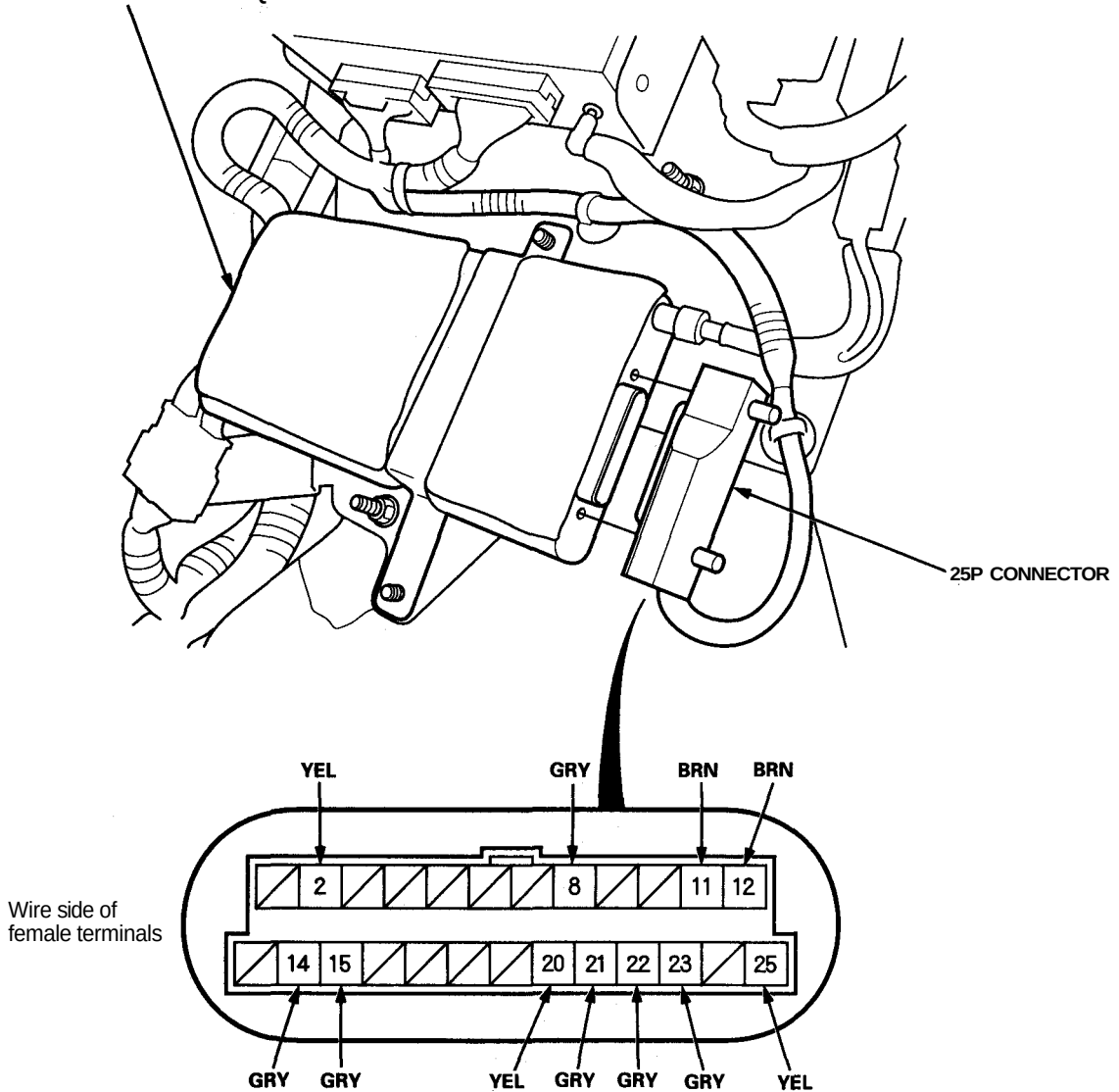


OnStar System ('02 Model USA)

OnStar System Radio Frequency Modulator Unit Input Test

1. Remove the rear seat (Refer to the '96 - '01 3.5RL Service Manual, P/N 61SZ305, for the items not shown in this section).
2. Disconnect the 25P connectors from the OnStar system radio frequency modulator unit.
3. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
 - If the terminals look OK, make the following input tests at the connector.
 - If any test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, the control unit must be faulty: replace it.

ONSTAR SYSTEM RADIO FREQUENCY MODULATOR UNIT



Disconnect the connector from the unit

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
12	BRN	Under all conditions	Check for continuity to ground: There should be continuity.	• An open in the wire
23	GRY	Under all conditions	Check for continuity to ground: There should be continuity.	• An open in the wire

Reconnect the connectors from the unit

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
22	GRY	Ignition switch in ACC (I)	Check for voltage to ground: There should be about 10 V.	• Blown No. 56 (7.5 A) fuse in the under-hood fuse/relay box • An open in the wire
21	GRY	Ignition switch in ACC (I)	Check for voltage to ground: There should be about 7 V.	• Blown No. 4 (10 A) fuse in the under-dash fuse/relay box • An open in the wire
25	YEL	Ignition switch in ACC (I) OnStar "Emergency" button pushed	Check for voltage to ground: There should be about 6 V.	• An open in the wire
20	YEL	Ignition switch in ACC (I) OnStar "Emergency" button pushed	Check for voltage to ground: There should be about 3 V.	• An open in the wire
15	GRY	Ignition switch in ACC (I) OnStar "Emergency" button pushed	Check for voltage to ground: There should be 1 V or less.	• An open in the wire
14	GRY	Ignition switch in ACC (I) OnStar "Emergency" button pushed	Check for voltage to ground: There should be 1 V or less.	• An open in the wire
11	BRN	Ignition switch in ACC (I) OnStar "Emergency" button pushed	Check for voltage to ground: There should be about 6.6 V.	• Faulty OnStar button and microphone • An open in the wire
8	GRY	Ignition switch in ACC (I) OnStar "Emergency" button pushed	Check for voltage to ground: There should be about 3.8 V.	• An open in the wire
2	YEL	Ignition switch in ACC (I) OnStar "Emergency" button pushed	Check for voltage to ground: There should be about 0 V.	• An open in the wire