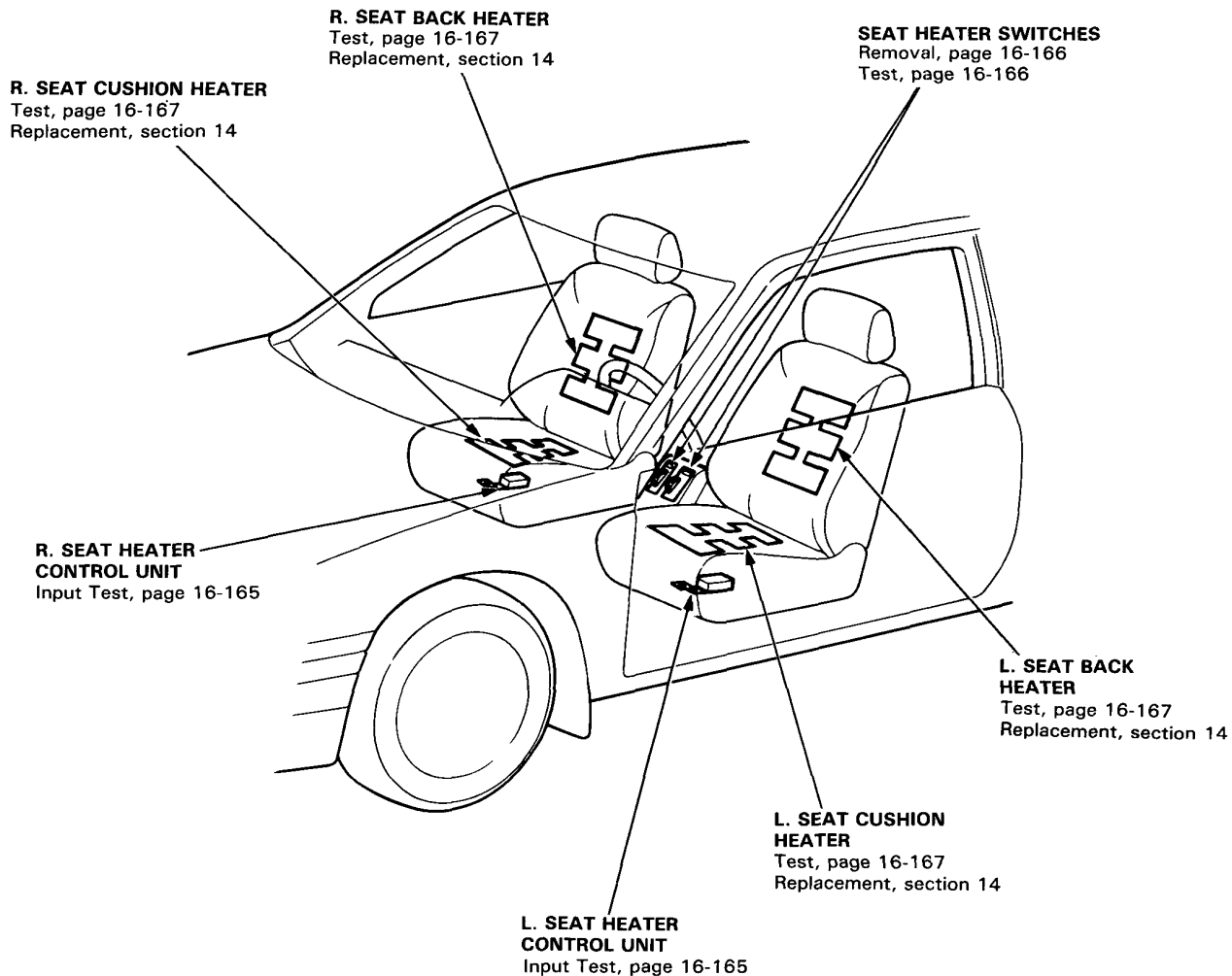


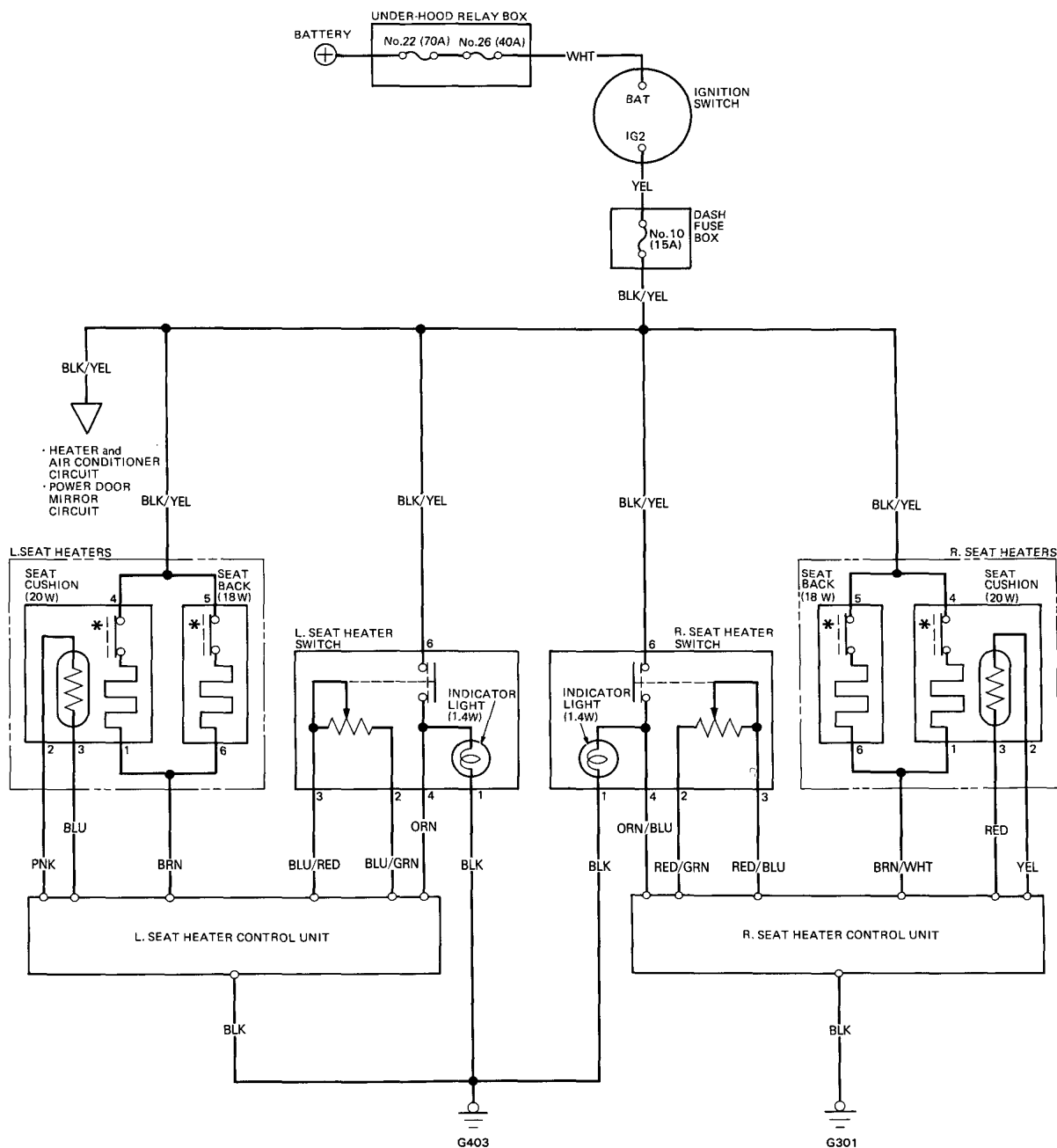
Seat Heaters

Component Location Index





Circuit Diagram



*: BREAKER [OFF above 70°C (158°F)/ON below 40°C (104°F)]

Seat Heaters

Troubleshooting

NOTE: The numbers in the table show the troubleshooting sequence.

Item to be inspected		Blown No. 10 (15A) fuse (in the dash fuse box)	Blown indicator light bulb	Seat heater switch	Seat heater	Thermistor (in the seat cushion heater)	Control unit input	Poor ground	Open circuit in wires or loose or disconnected terminals
Symptom									
Seat heaters operate, but indicator light does not go on.			1					G403	
Seat heaters do not operate and indicator light does not go on.		1		2				G403	BLK/YEL
Seat heaters do not operate, but indicator light goes on.	Left seat						1	G403	BLK/YEL, BRN or ORN
	Right seat						1	G301	BLK/YEL, BRN/WHT or ORN/BLU
Seat cushion heater or seat back heater does not operate, but indicator light goes on.					1				
Seat heaters can be adjusted.	Left seat			1		2	3		BLU/GRN, BLU/RED, PNK or BLU
	Right seat			1		2	3		RED/GRN, RED/BLU, YEL or RED

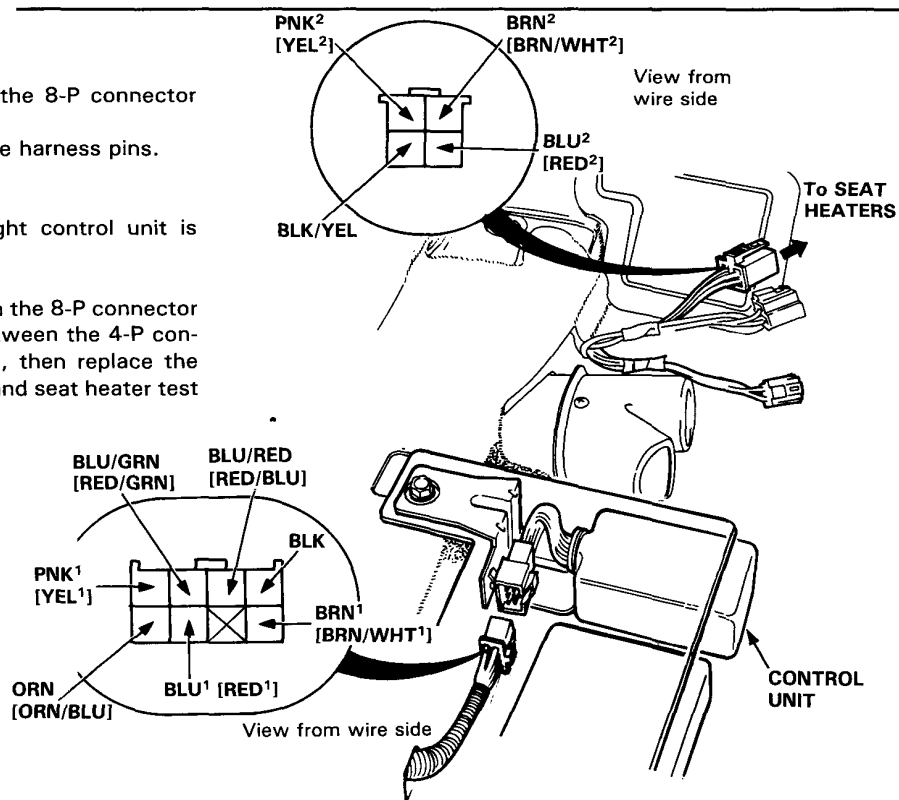


Control Unit Input Test

Remove the seat, then disconnect the 8-P connector from the control unit.
Make the following input tests at the harness pins.

NOTE:

- Left control unit shown, right control unit is similar.
- []: **Right control unit**
- Recheck connection between the 8-P connector and the control unit, and between the 4-P connector and the seat heaters, then replace the control unit if all input tests and seat heater test prove OK.

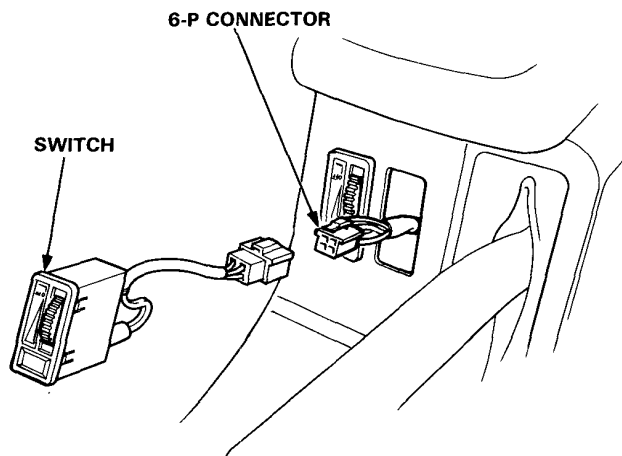


No.	Wire	Test condition	Test: desired result	Possible cause (if result is not obtained)
1	BLK	Under all conditions.	Check for continuity to ground: should be continuity.	<ul style="list-style-type: none"> • Poor ground (G403 [G301]). • An open in the wire.
2	ORN [ORN/BLU]	Ignition switch ON and seat heater switch clicked into ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • Blown No. 10 (15A) fuse. • Faulty seat heater (ON/OFF) switch. • An open in the wire.
3	BLU/GRN and BLU/RED [RED/GRN and RED/BLU]	Adjusting dial rotated.	Check for resistance between the BLU/GRN [RED/GRN] and BLU/RED [RED/BLU] terminals. should vary from 0 to 10,000 ohms as the dial is rotated.	<ul style="list-style-type: none"> • Faulty seat heater (variable) switch. • An open in the wire.
4	BLK/YEL	Ignition switch ON.	Check for voltage to ground: should be battery voltage.	<ul style="list-style-type: none"> • An open in the wire.
5	PNK [YEL] • BLU [RED] • BRN [BRN/WHT]	Under all conditions.	Check for continuity between the terminals. There should be continuity: <ul style="list-style-type: none"> • Between the PNK¹ [YEL¹] and PNK² [YEL²] terminals. • Between the BLU¹ [RED¹] and BLU² [RED²] terminals. • Between the BRN¹ [BRN/WHT¹] and BRN² [BRN/WHT²] terminals 	<ul style="list-style-type: none"> • An open in the wire.
6	Test the seat heaters (see page 16-167).			

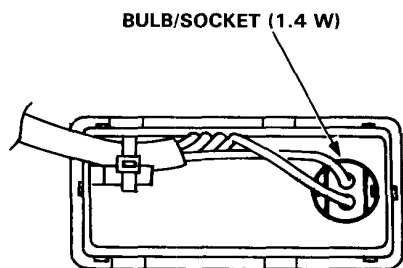
Seat Heaters

Switch Removal

1. Remove the center console.
2. Disconnect the 6-P connector to remove the switch, then push out the switch from behind the console.

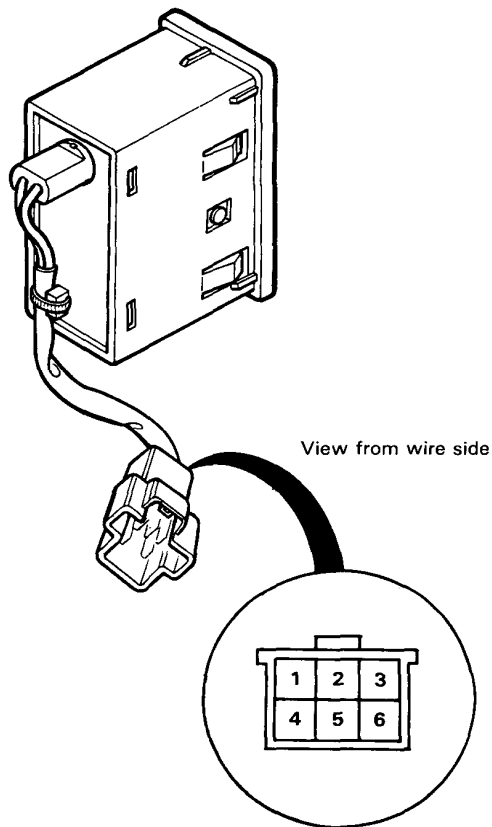


3. Turn the socket 45° counterclockwise to remove it.

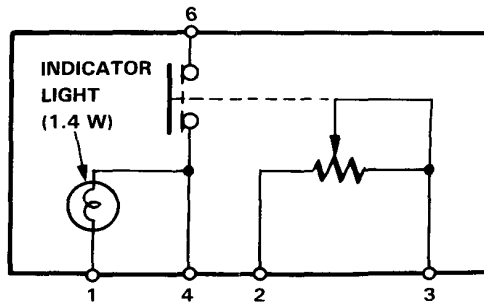


Switch Test

1. Remove the seat heater switch from the center console.
2. There should be continuity between the No. 4 and No. 6 terminals when the switch is clicked into ON. There should be no continuity when the switch is clicked into OFF.



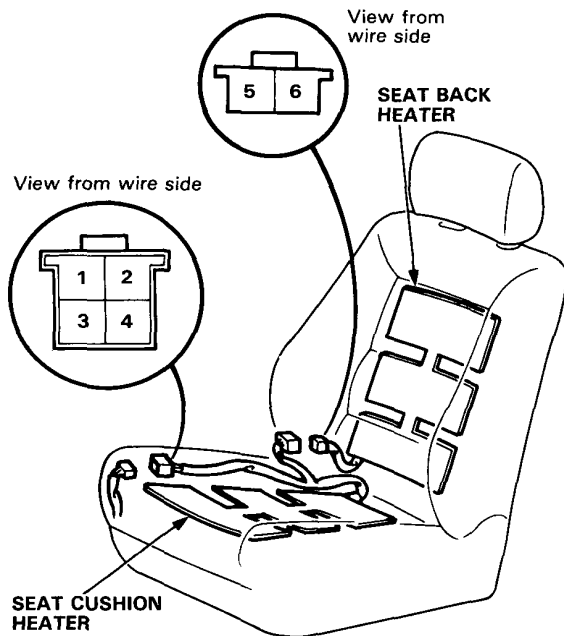
3. Measure resistance between the No. 2 and No. 3 terminals while rotating the adjusting dial. Resistance should vary from 0 to 10,000 ohms as the dial is rotated.





Heater Test

1. Slide the seat forward to disconnect the 4-P connector from the seat cushion heater, and the 2-P connector from the seat back heater.



2. Check for continuity between the No. 1 and No. 4 terminals, and between the No. 5 and No. 6 terminals. (RX10³ scale)
There should be continuity.
3. Using an ohmmeter (RX10³ scale), measure resistance between the No. 2 and No. 3 terminals. Replace the seat cushion heater if the resistance is not within specifications.

NOTE: Resistance will vary with the thermistor temperature; specifications are at 25°C (77°F) or more.

Thermistor Resistance: 8 k Ω or less.