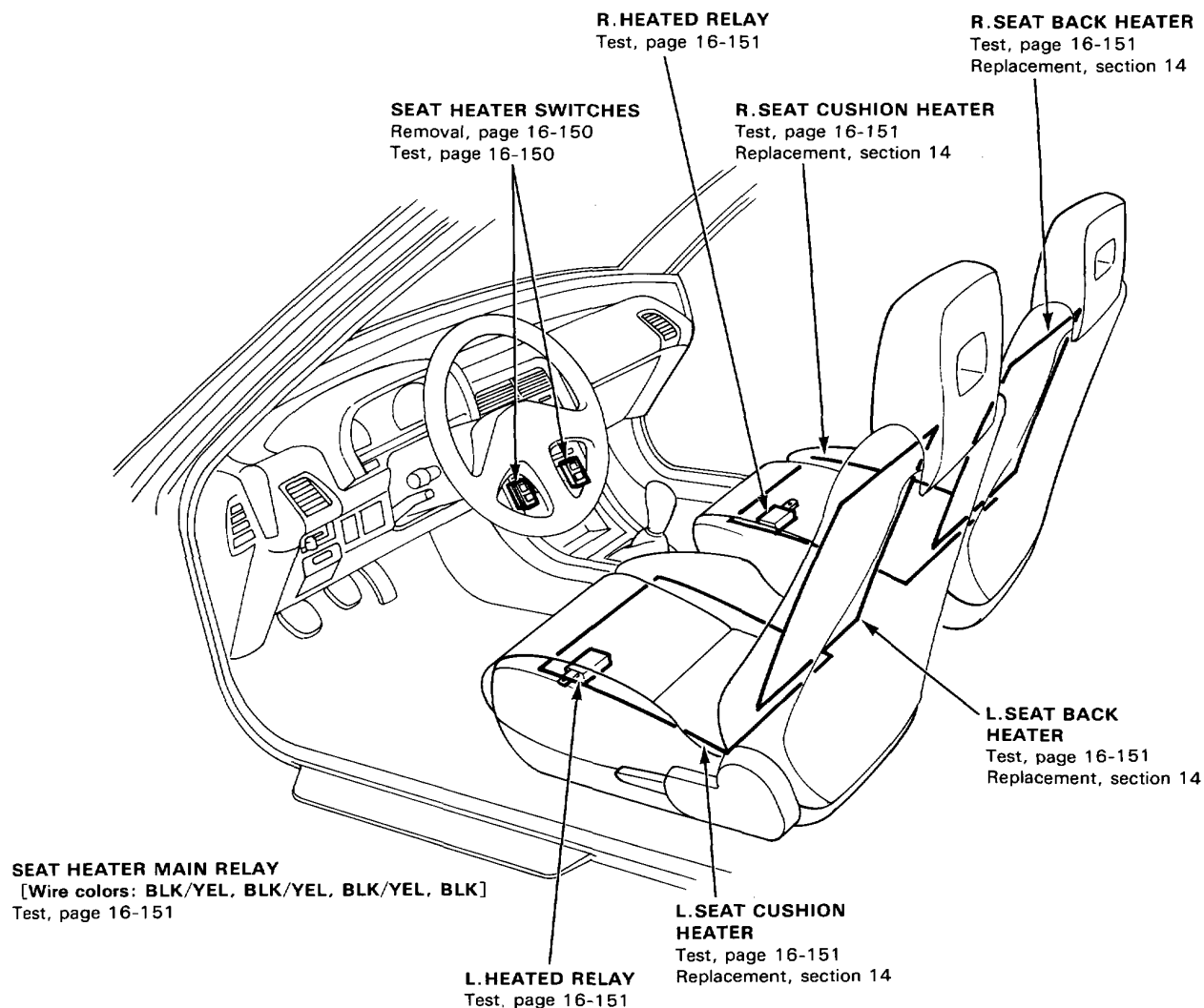


Seat Heaters (KS model only)



Component Location Index

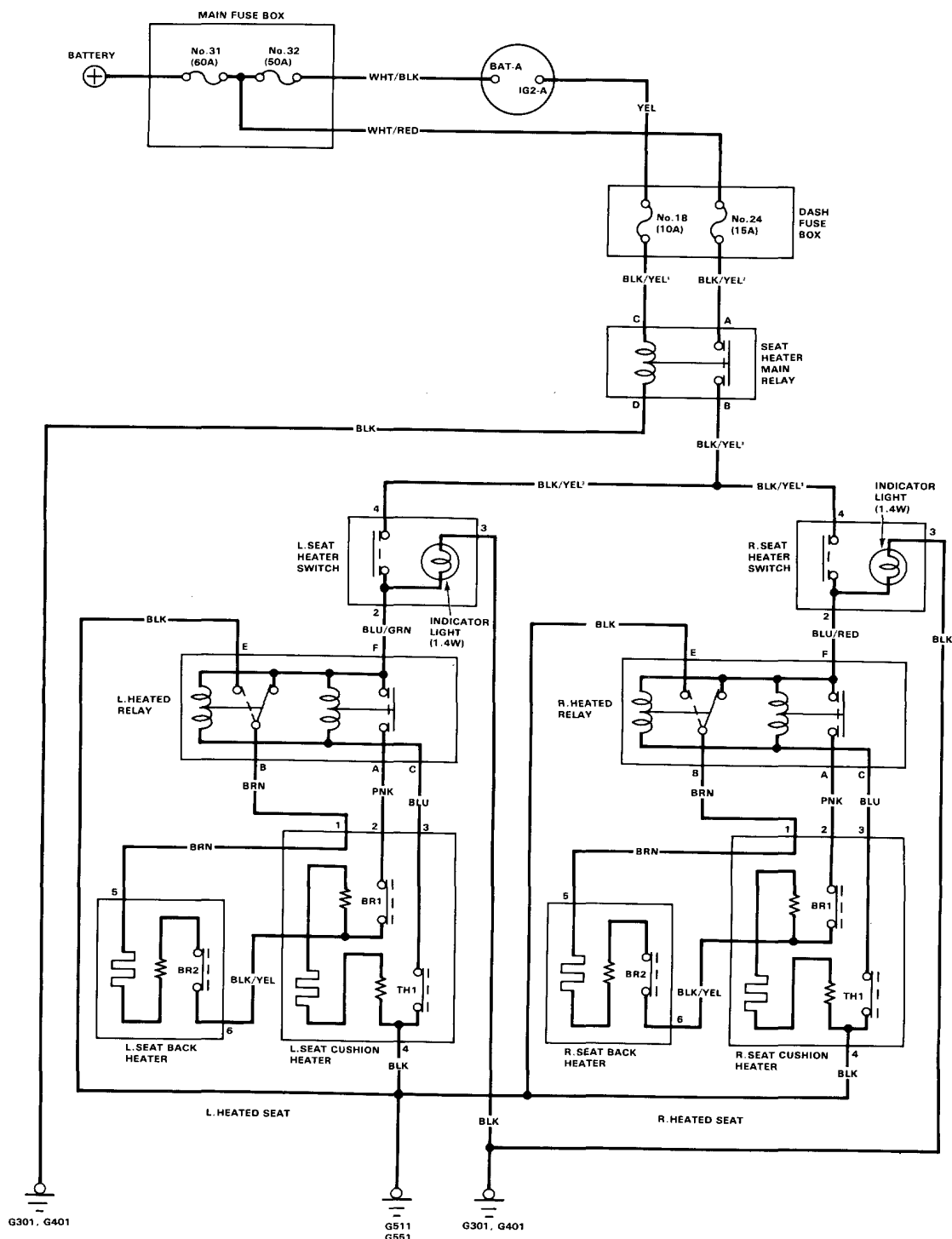


Description

Two heaters are provided in each front seat; one in the seat cushion and one in the seat back. In normal use, temperature is automatically controlled by the thermostat [OFF above 40°C (104°F)] built in each seat cushion heater. In emergency case, the breaker 1 [OFF above 50°C (122°F)] and the breaker 2 [OFF above 70°C (158°F)] cut off the circuit to prevent abnormal temperature rise.

Seat Heaters (KS model only)

Circuit Diagram



BR1: BREAKER [OFF above 50°C (122°F)]
 TH1: THERMOSTAT [OFF above 40°C (104°F)]
 BR2: BREAKER [OFF above 70°C (158°F)]



Troubleshooting

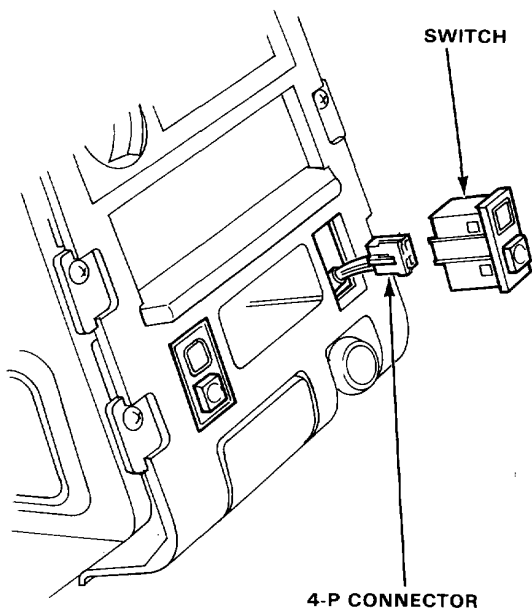
NOTE: The numbers in the table show the troubleshooting sequence.

Symptom \ Item to be inspected		Blown No. 24 (15A) or No. 18 (10A) fuses (in the dash fuse box)	Blown indicator light bulb	Seat heater switch	Seat heater	Heated relay input	Poor ground	Open circuit in wires or loose or disconnected terminals
Seat heaters operate, but indicator light does not go on.			1				G301 G401	
Seat heaters do not operate and indicator light does not go on.		1		2			G301 G401 G511 G551	BLK/YEL ¹ , BLK/YEL ²
Seat heaters do not operate, but indicator light goes on.	Left and Right seat					1	G511 G551	BLU/GRN, BLU/RED, BRN, BLK/YEL, PNK, BLU
Seat cushion heater or seat back heater does not operate, but indicator light goes on.					1			

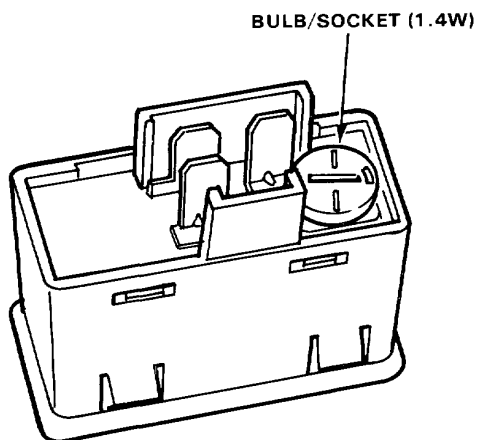
Seat Heaters (KS model only)

Switch Removal

1. Remove the front console.
2. Disconnect the 4-P connector to remove the switch, then push the switch behind the center instrument panel.

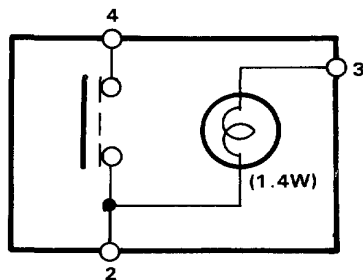
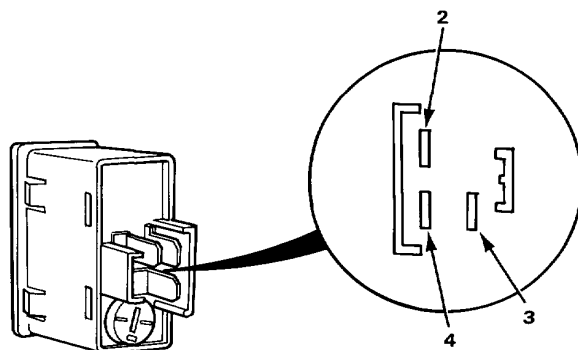


3. Turn the socket 45° counter-clockwise to remove it.



Switch Test

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

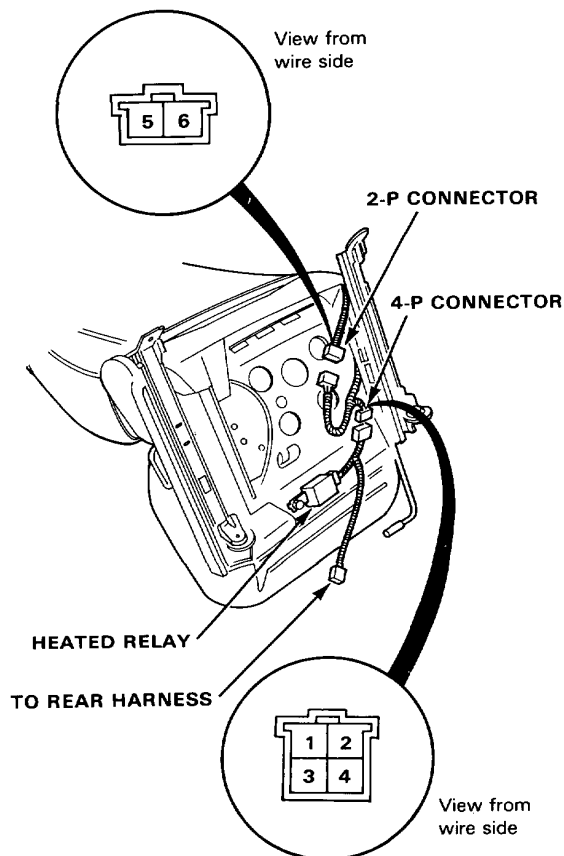




Heater Test

1. Disconnect the 4-P connector and 2-P connector as shown below.

NOTE: Left front seat is shown. Right front seat is similar.

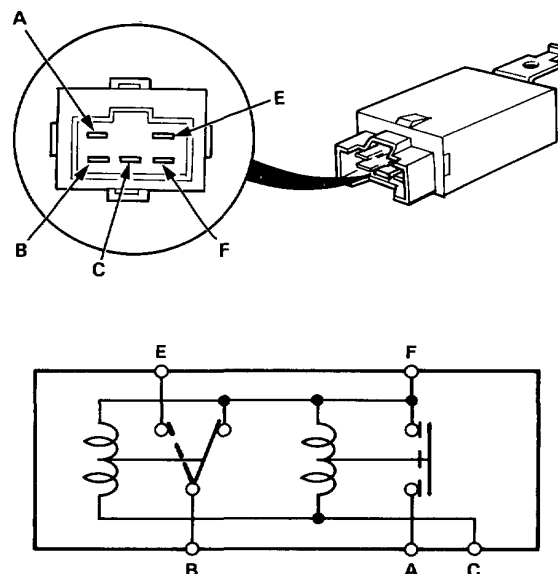


2. Check for continuity between the No.2 and No.3 terminals; between the No.5 and No.6 terminals (R x 10^3 scale)
There should be continuity.

Relay Test

Heated relay:

1. Remove the front seat, then remove the relay from the bottom of the seat.
2. There should be continuity between the F and A; between E and B terminals when the battery is connected across the F and C terminals.
There should be continuity between the F and B terminals when the battery is disconnected.



Main relay:

There should be continuity between the A and B terminals when the battery is connected across the C and D terminals.
There should be no continuity when the battery is disconnected.

