

Troubleshooting

Compressor

Compressor clutch does not engage.

NOTE: The A/C compressor will turn off under these conditions:

- When the engine is held at 1,000 rpm's for more that 1 minute.
- If the ECT senses engine coolant temperatures above 225°F.
- During acceleration up to 20 mph.

Check the No. 56 (20 A) fuse in the under-hood fuse/relay box, and the No. 17 (7.5 A) fuse in the under-dash fuse/relay box.

Are the fuses OK?

NO

Replace the fuse(s), and recheck.

YES

Remove the compressor clutch relay, and test it (see page 22-45).

Is the relay OK?

NO

Replace the compressor clutch relay.

YES

Check the under-hood fuse/relay box:
Measure the voltage between the No. 2 terminal of the compressor clutch relay 4P socket and body ground.

Is there battery voltage?

NO

Replace the under-hood fuse/relay box.

YES

Check the compressor clutch:
Connect the No. 1 and No. 2 terminals of the compressor clutch relay 4P socket with a jumper wire.

Does the compressor clutch click?

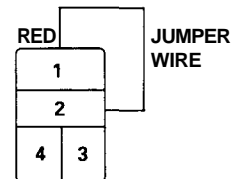
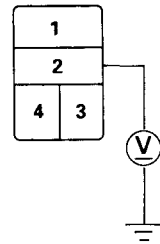
NO

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YES

To page 22-36

COMPRESSOR CLUTCH RELAY
4P SOCKET





From page 22-34

Check for an open in the wire:

1. Disconnect the jumper wire.
2. Disconnect the compressor clutch 1P connector.
3. Check for continuity between the No. 1 terminal of the compressor clutch relay 4P socket and the terminal of the compressor clutch 1P connector.

Is there continuity?

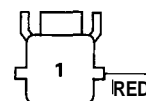
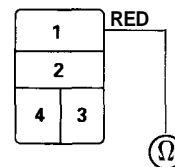
NO

Repair open in the wire between the compressor clutch relay and the compressor clutch.

YES

Inspect the compressor clutch clearance, the thermal protector, and the compressor clutch field coil (see page 22-65).

**COMPRESSOR CLUTCH RELAY
4P SOCKET**



COMPRESSOR CLUTCH 1P CONNECTOR

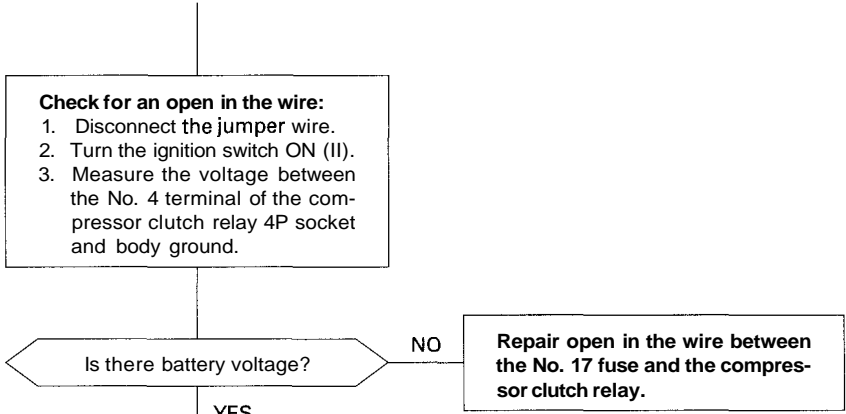
Wire side of female terminals

(cont'd)

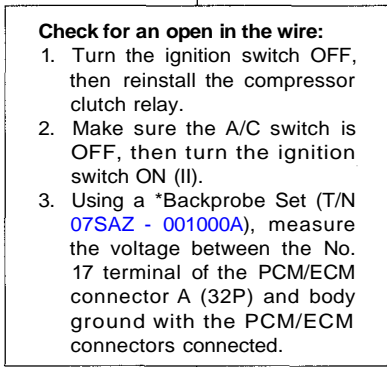
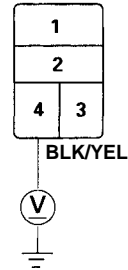
Troubleshooting

Compressor (cont'd)

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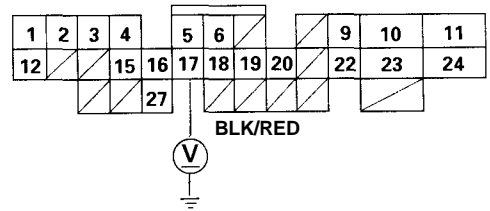


COMPRESSOR CLUTCH RELAY 4P SOCKET



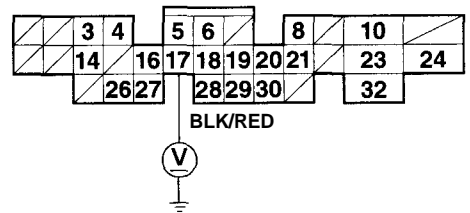
PCM CONNECTOR A (32P)

'97 model:

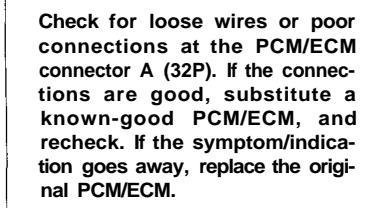
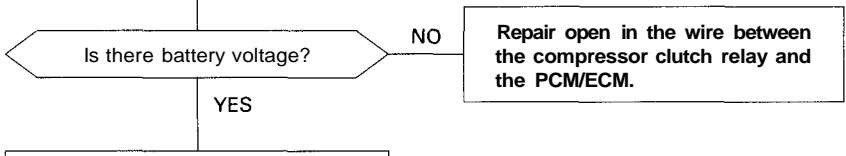


Wire side of female terminals

'98-01 models:



Wire side of female terminals



* How to use the Backprobe Sets

Connect the backprobe adapters to the stacking patch cords, and connect the cords to a multimeter. Using the wire insulation as a guide for the contoured tip of the backprobe adapter, gently slide the tip into the connector from the wire side until it comes in contact with the terminal end of the wire (see section 11).