

# Troubleshooting

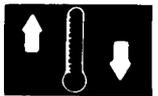
- Any abnormality must be corrected before continuing to the next test.
- Because of the precise measurements needed, use a digital voltmeter and ohmmeter when testing.

Before performing any troubleshooting procedures check:

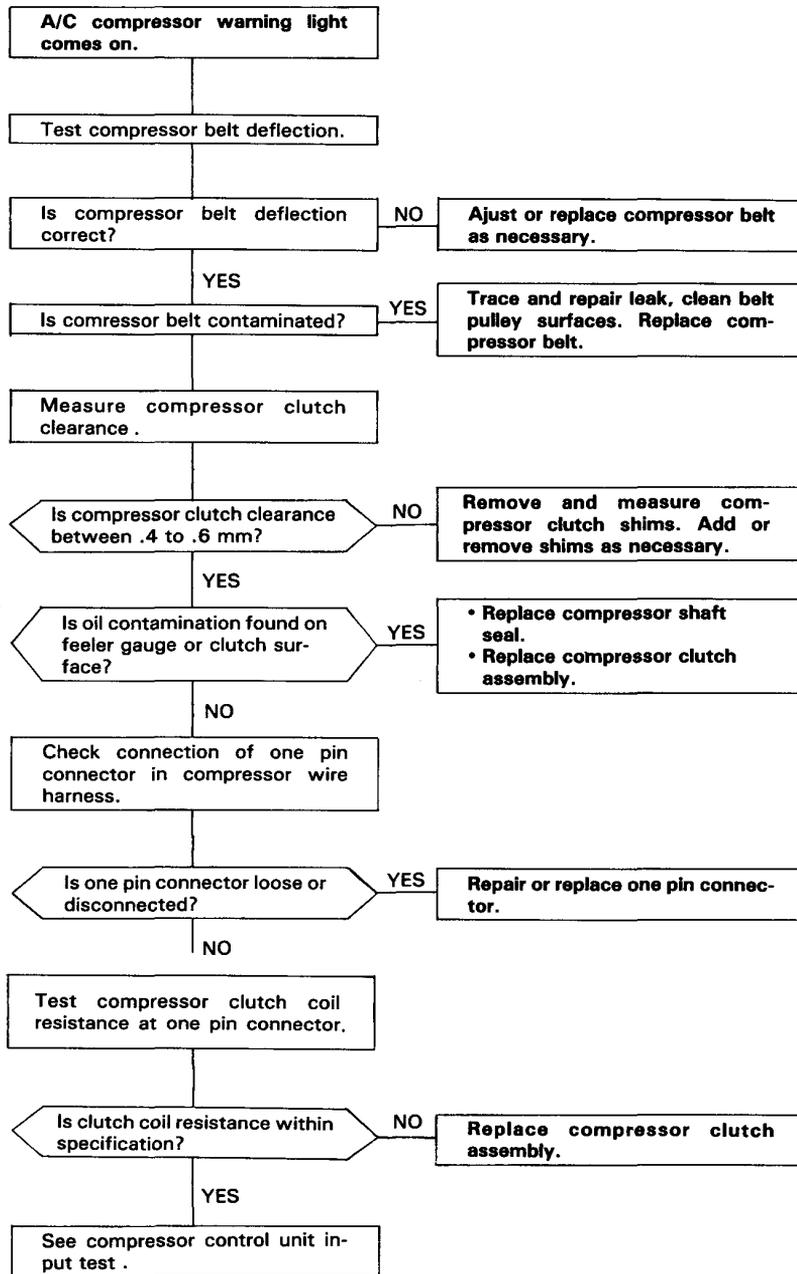
- Fuses No. 18, 36, 39, 17, 12, 35, 20
- Grounds No. G201, G401, G202, G203
- All electrical connections are clean and tight.

FLOW CHART NO.	SYMPTOM	PAGE
1	A/C compressor warning light comes ON.	15-17
2	Compressor, warning light and cooling fans do not come on.	15-18
3	A/C compressor does not come on and cooling fans come on.	15-20
4	Both fans (condenser and compressor fans) do not run. Compressor operates normally.	15-22
5	One fan (condenser or compressor fan) does not run. Compressor operates normally.	15-24

NOTE: To improve acceleration and engine response, the ECU temporarily stops A/C operation when it receives signals that the vehicle is accelerating. (PGM-FI CAR ONLY)



# Flow Chart 1



# Troubleshooting

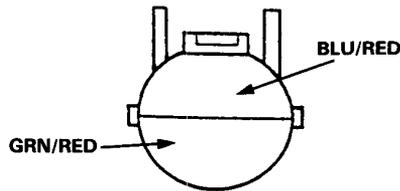
## Flow Chart 2

NOTE: Perform all checks with the engine running.

Compressor, warning light and cooling fans do not come on.

Disconnect the dual pressure switch.

Connect a jumper wire between BLU/RED terminal and body ground.



Does the A/C system (compressor and cooling fans) come on?

NO  
Repair open in BLU/RED wire between A/C diodes and dual pressure switch.

YES

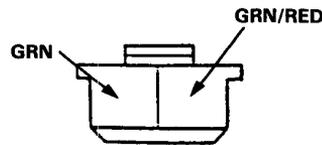
Connect a jumper wire between BLU/RED and GRN/RED terminals.

Does the A/C system come on?

YES  
Check the A/C pressure; if OK, replace the dual pressure switch.

NO

Reconnect the dual pressure switch and disconnect evaporator sensor connector.



View from wire side

Connect a jumper wire between GRN/RED terminal and body ground.

Does the A/C system come on?

NO  
Repair open in GRN/RED wire between A/C dual pressure switch and body ground.

YES

Connect a jumper wire between GRN/RED and GRN terminals.

Does the A/C system come on?

YES  
Replace the evaporator sensor.

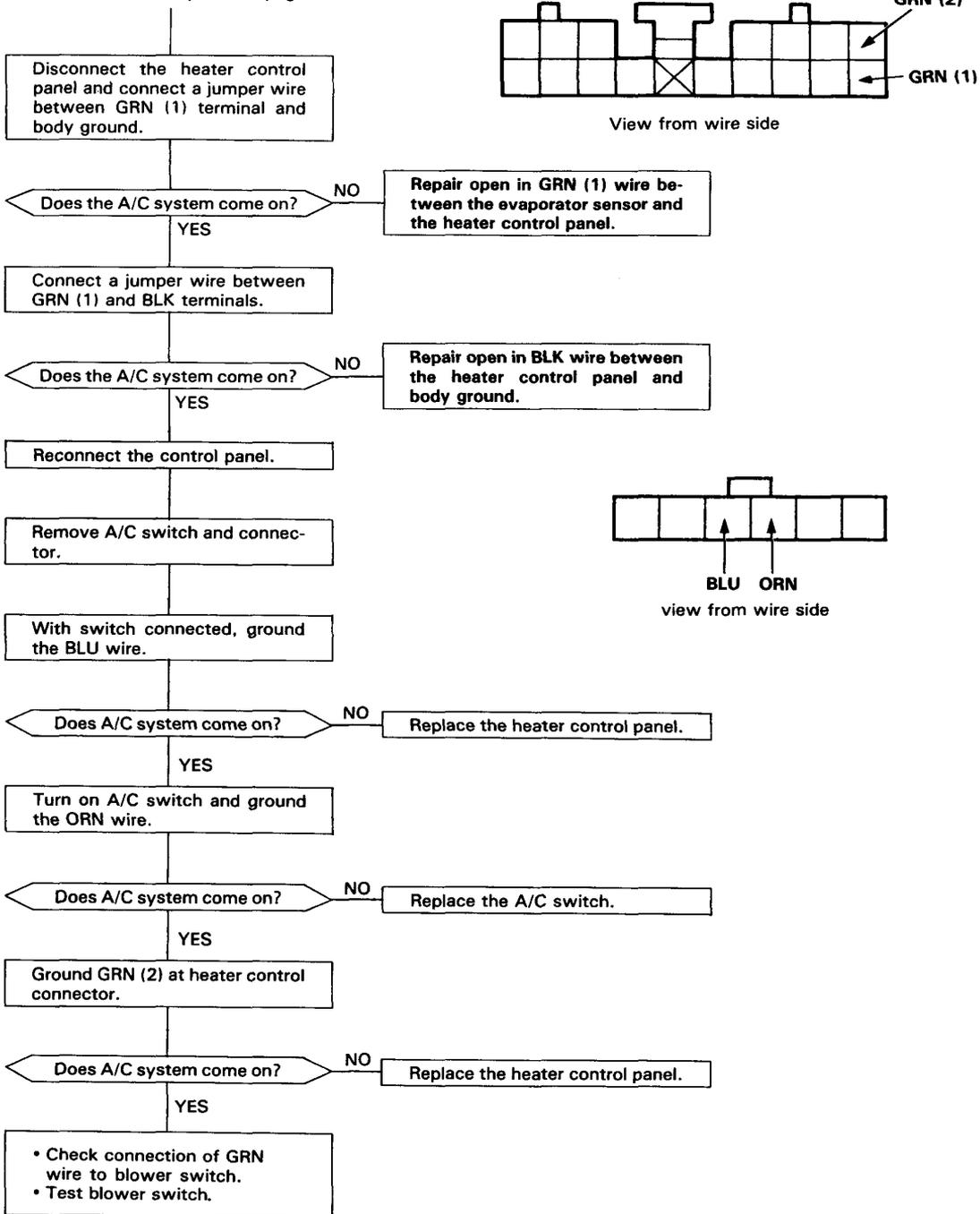
NO

Reconnect the evaporator sensor.

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# Troubleshooting

## Flow Chart 3

A/C compressor does not come on and cooling fans come on.

Disconnect A/C compressor clutch relays A and B.

Measure voltage between the YEL/BLK terminal (+) and body ground.

Is there battery voltage?

NO

Repair open in YEL/BLK wire between relay and fuse box or a blown No. 18 fuse.

YES

Connect a jumper wire between YEL/BLK terminal on relay A and RED terminal on relay B.

Does the A/C compressor come on?

NO

Check the A/C compressor clutch or thermal protector, or an open in RED wire.

YES

Inspect the compressor clutch relays A and B.

Are the relays OK?

NO

Replace the relay(s).

YES

Check for continuity on the GRY terminal between relays A and B.

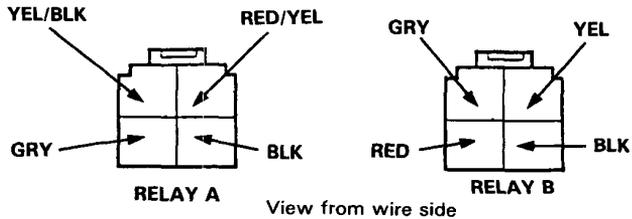
Is there continuity?

NO

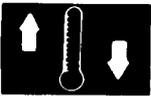
Repair open GRY wire between relays A and B.

YES

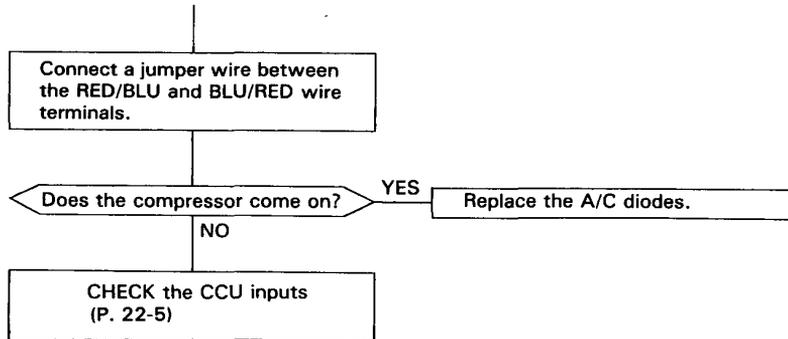
Reconnect relays A and B and remove the A/C diodes (taped to wire harness under right headlight).



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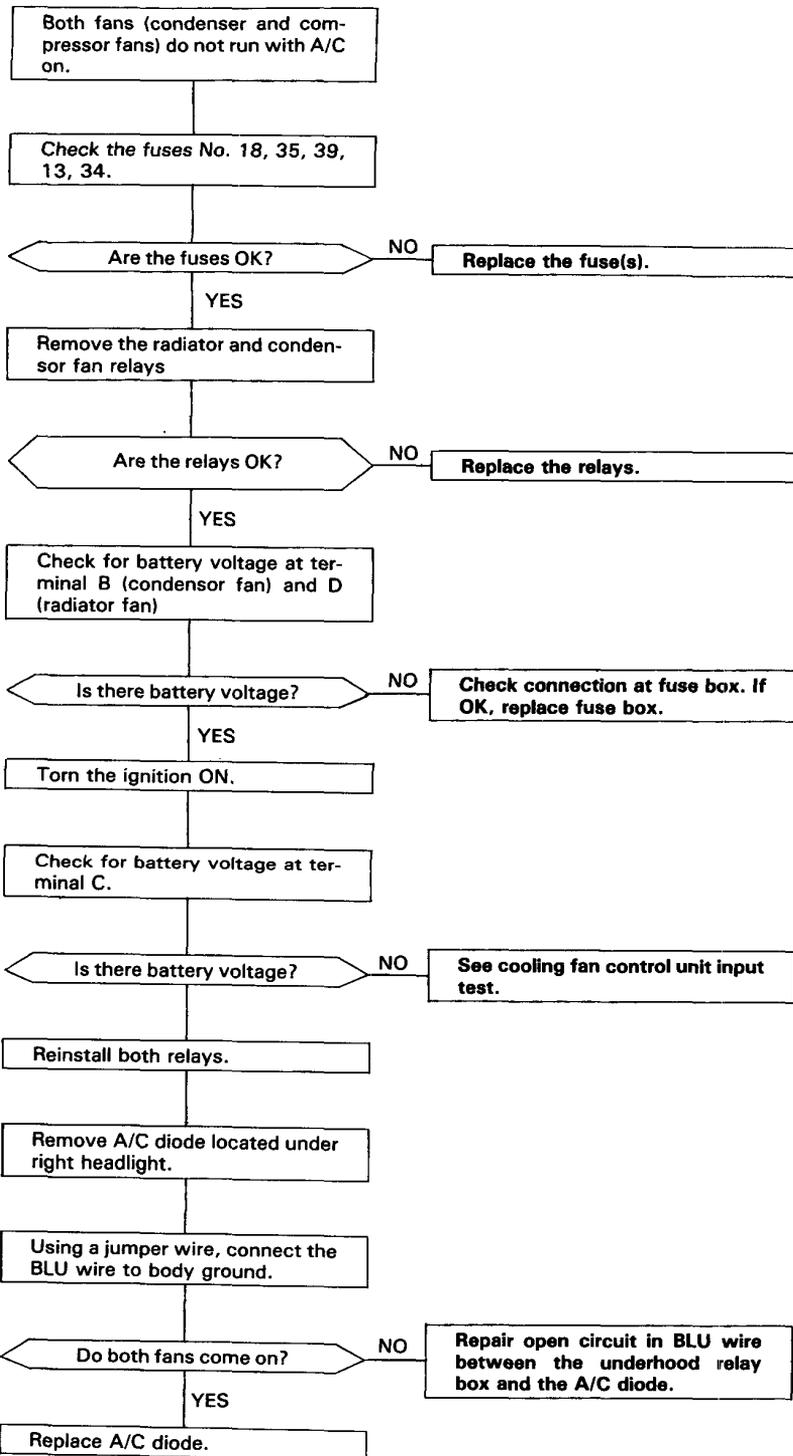


NOTE: Check the A/C signal (A/C CCU ↔ PGM-FI ECU,  
PGM-FI ECU ↔ A/C DIODES) (PGM-FI CAR ONLY)  
(See electrical section)

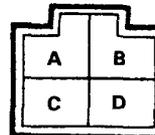
CCU: Compressor Control Unit

# Troubleshooting

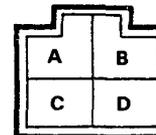
## Flow Chart 4

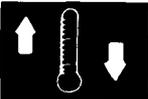


CONDENSER FAN RELAY SOCKET



RADIATOR FAN RELAY SOCKET





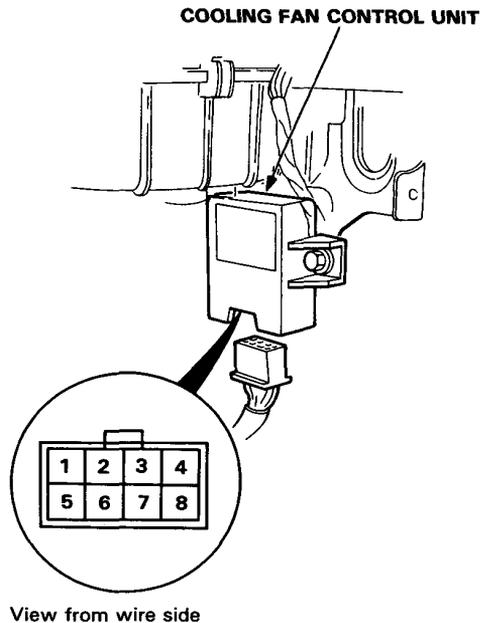
## Cooling Fan Control Unit Input Test

- All test should be performed with the key "ON" (unless specified otherwise) and the cooling fan control unit unplugged (unless specified otherwise).
- All test are made from the wire side of the connector.
- Any abnormality must be corrected before continuing to the next test.

Before performing any troubleshooting procedures check:

- Fuses No. 17, 12, 36, 39, 35.
- All electrical connections are clean and tight.

NOTE: If all tests check OK, replace with known-good cooling fan control unit.

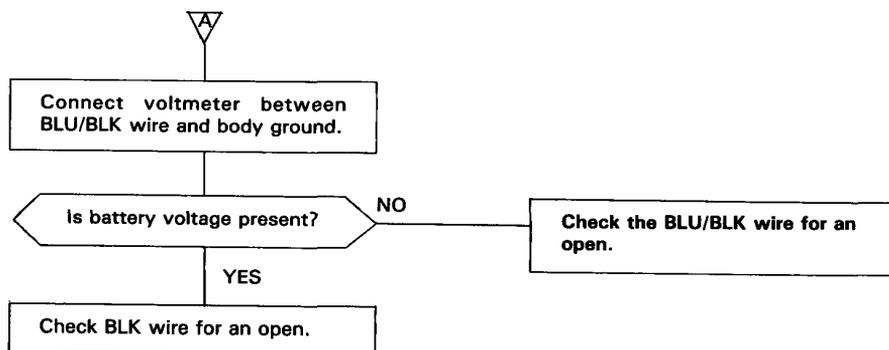


WIRE COLOR	TEST CONDITION	IF DESIRED RESULTS ARE NOT OBTAINED:
YEL/BLK	Connect to WHT/YEL using a jumper wire. Condenser fan should come on.	Repair open in YEL/BLK between cooling fan control unit and underhood relay box.
BLK/YEL <sup>2</sup>	Check for battery voltage.	Repair open in BLK/YEL <sup>2</sup> between fuse No. 17 and cooling fan control unit.
RED/GRN	Connect to WHT/YEL using a jumper wire. Radiator fan should come on.	Repair open in RED/GRN between cooling fan control unit and underhood relay box.
BLK	Check for continuity to ground.	Repair open circuit to body ground.
WHT/YEL	Check for battery voltage.	Repair open between fuse No. 35 and cooling fan control unit.
BLK/YEL <sup>1</sup>	Check for battery voltage.	Repair open in BLK/YEL <sup>1</sup> between fuse No. 12 and cooling fan control unit.





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