

# 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:

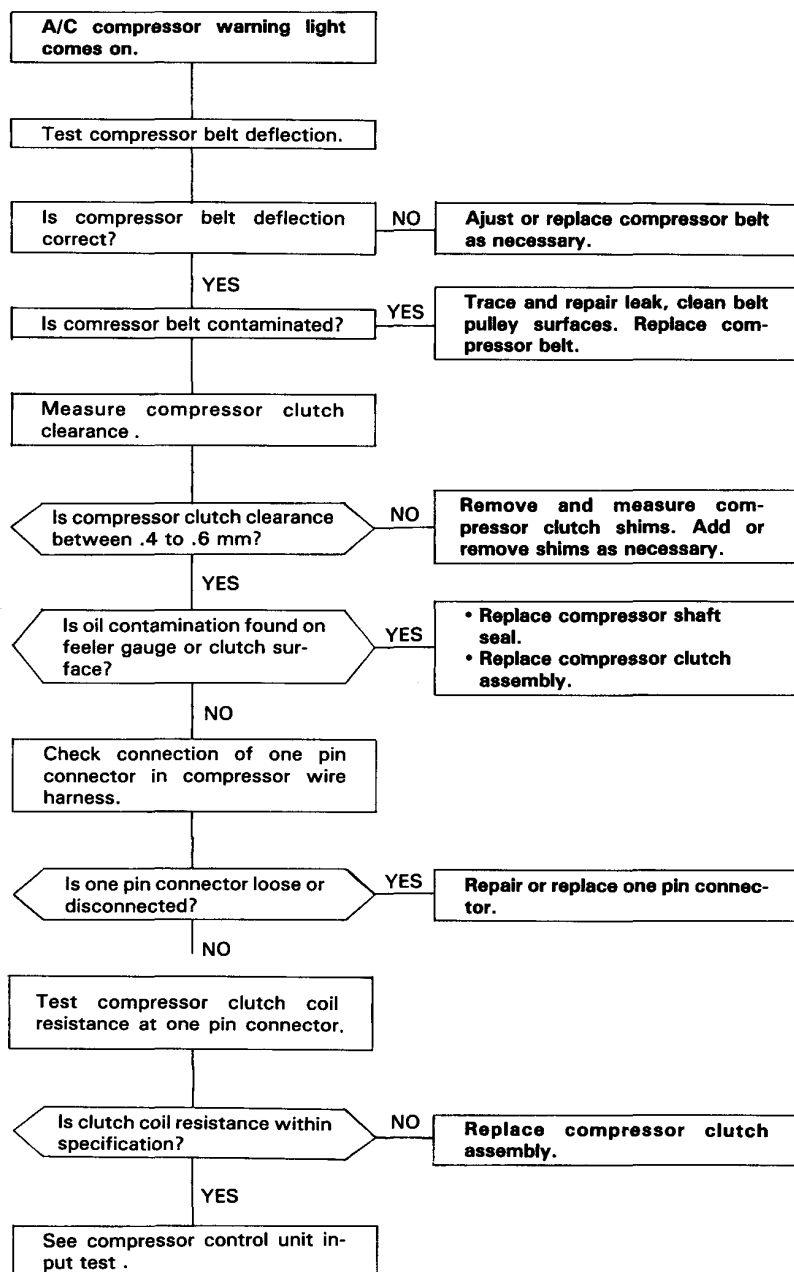
- Fuses No. 18, 36, 39, 17, 12, 35, 20
- Grounds No. G201, G401, G202, G203
- All electrical connections are clean and tight.

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)



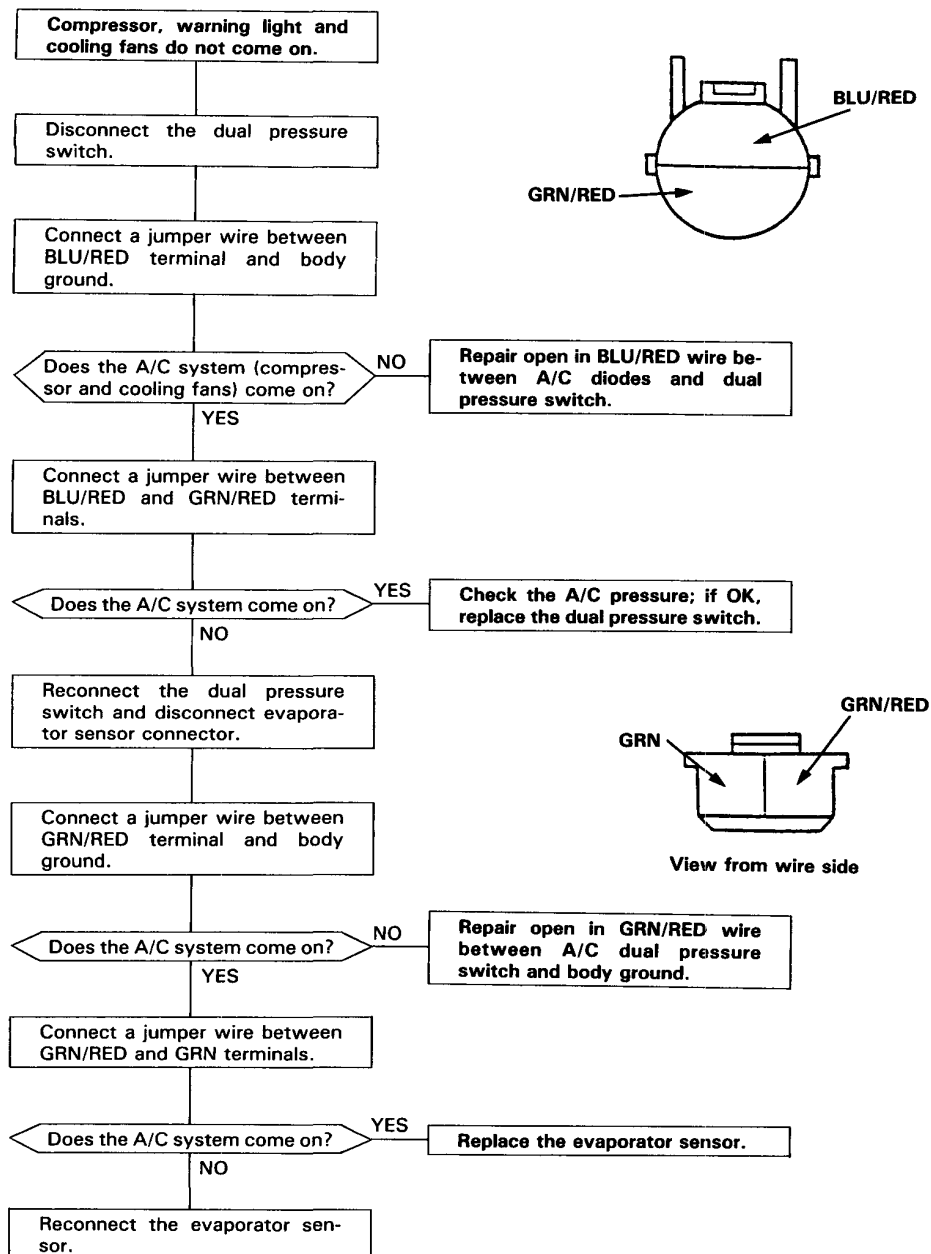
## Flow Chart 1



# Troubleshooting

## Flow Chart 2

NOTE: Perform all checks with the engine running.

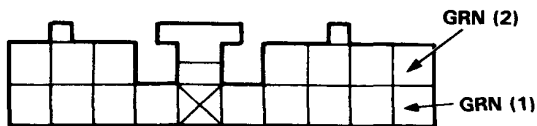


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Disconnect the heater control panel and connect a jumper wire between GRN (1) terminal and body ground.



View from wire side

Does the A/C system come on?

NO

Repair open in GRN (1) wire between the evaporator sensor and the heater control panel.

YES

Connect a jumper wire between GRN (1) and BLK terminals.

Does the A/C system come on?

NO

Repair open in BLK wire between the heater control panel and body ground.

YES

Reconnect the control panel.

Remove A/C switch and connector.

With switch connected, ground the BLU wire.



view from wire side

Does A/C system come on?

NO

Replace the heater control panel.

YES

Turn on A/C switch and ground the ORN wire.

Does A/C system come on?

NO

Replace the A/C switch.

YES

Ground GRN (2) at heater control connector.

Does A/C system come on?

NO

Replace the heater control panel.

YES

- Check connection of GRN wire to blower switch.
- Test blower switch.

# 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?

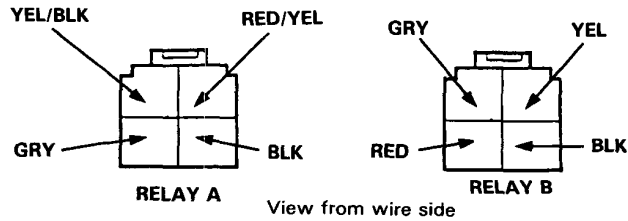
NO

Repair open GRY wire between relays A and B.

YES

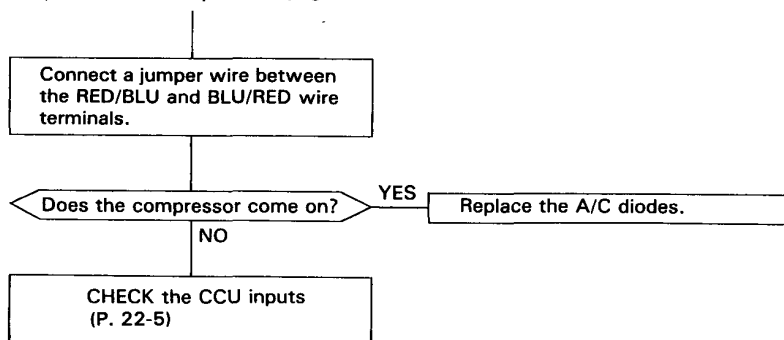
Reconnect relays A and B and remove the A/C diodes (taped to wire harness under right headlight).

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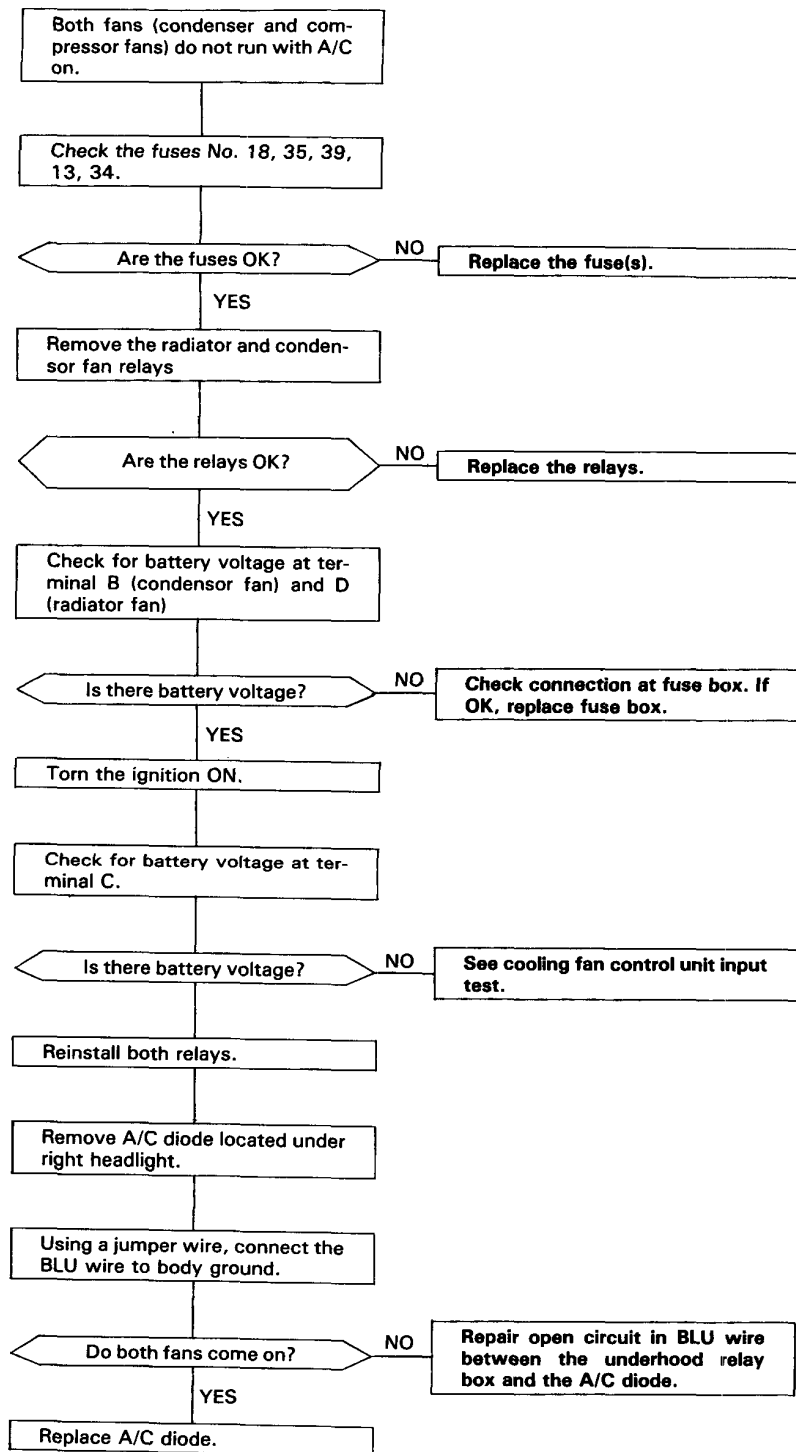


NOTE: Check the A/C signal (A/C CCU ↔ PGM-FI ECU,  
PGM-FI ECU ↔ A/C DIODES) (PGM-FI CAR ONLY)  
(See electrical section)

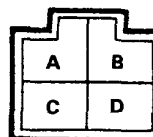
CCU: Compressor Control Unit

# Troubleshooting

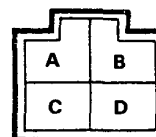
## Flow Chart 4

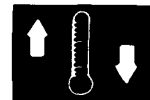


CONDENSER  
FAN RELAY  
SOCKET



RADIATOR  
FAN RELAY  
SOCKET





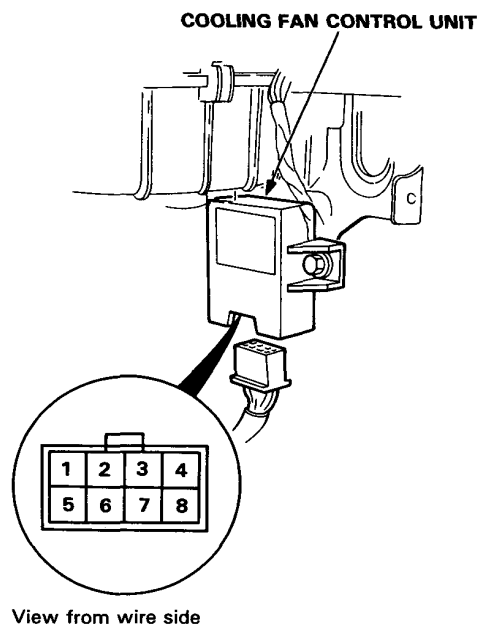
## Cooling Fan Control Unit Input Test

- 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.

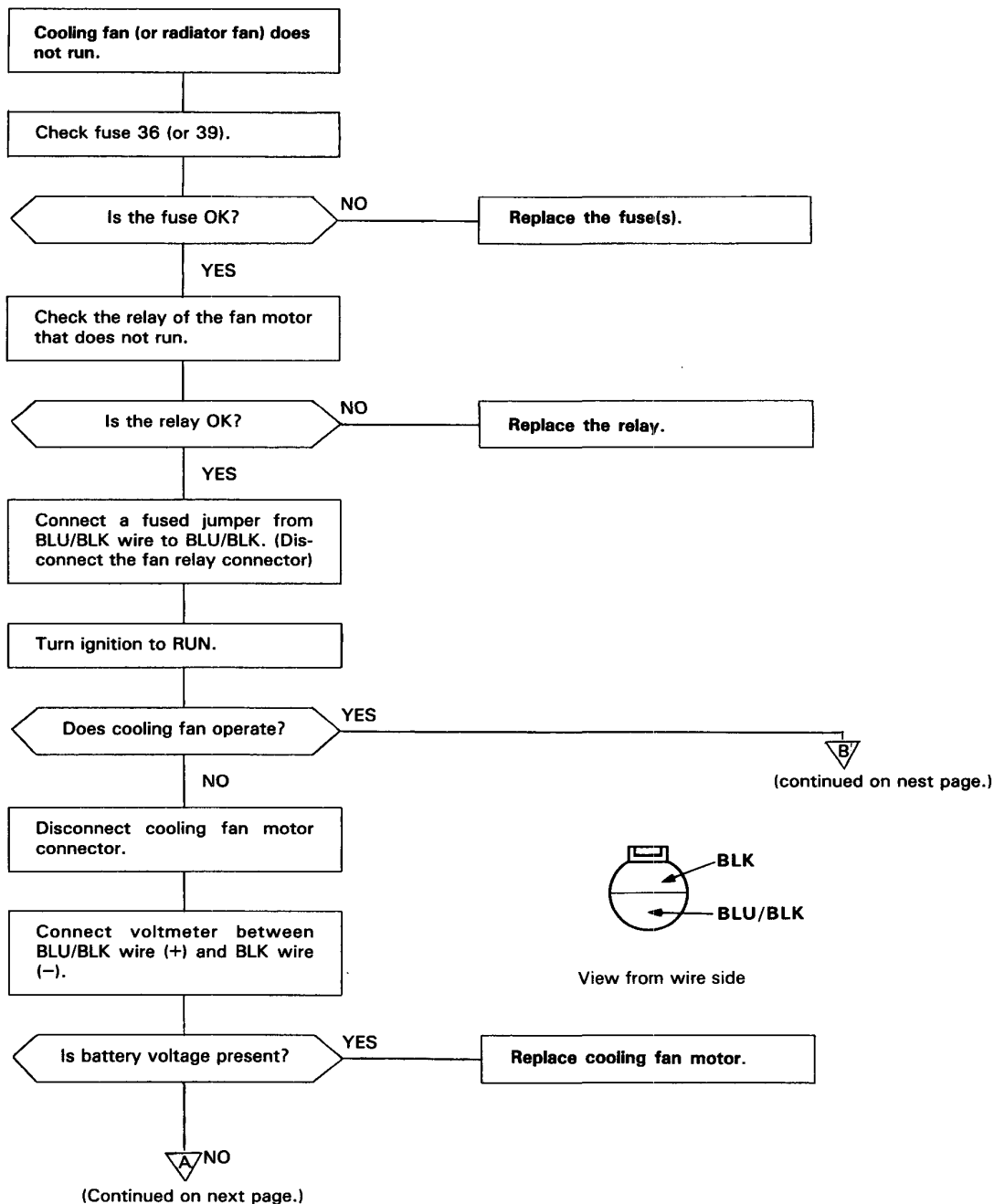


WIRE COLOR	TEST CONDITION	IF DESIRED RESULTS ARE NOT OBTAINED:
YEL/BLK	Connect to WHT/YEL using a jumper wire. Condenser fan should come on.	Repair open in YEL/BLK between cooling fan control unit and underhood relay box.
BLK/YEL <sup>2</sup>	Check for battery voltage.	Repair open in BLK/YEL <sup>2</sup> 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.



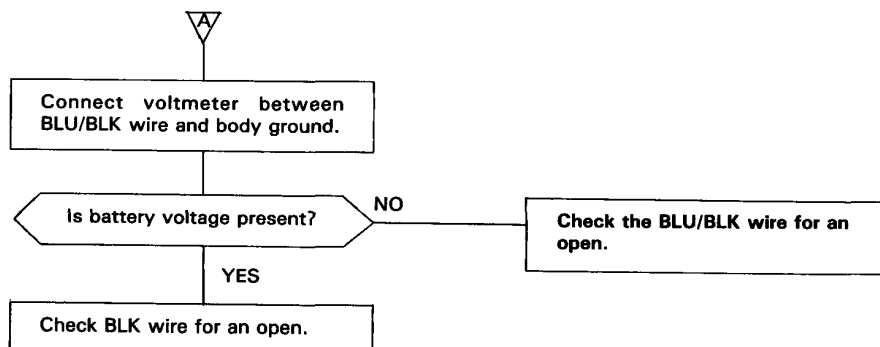
# Troubleshooting

## Flow Chart 5





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