

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:

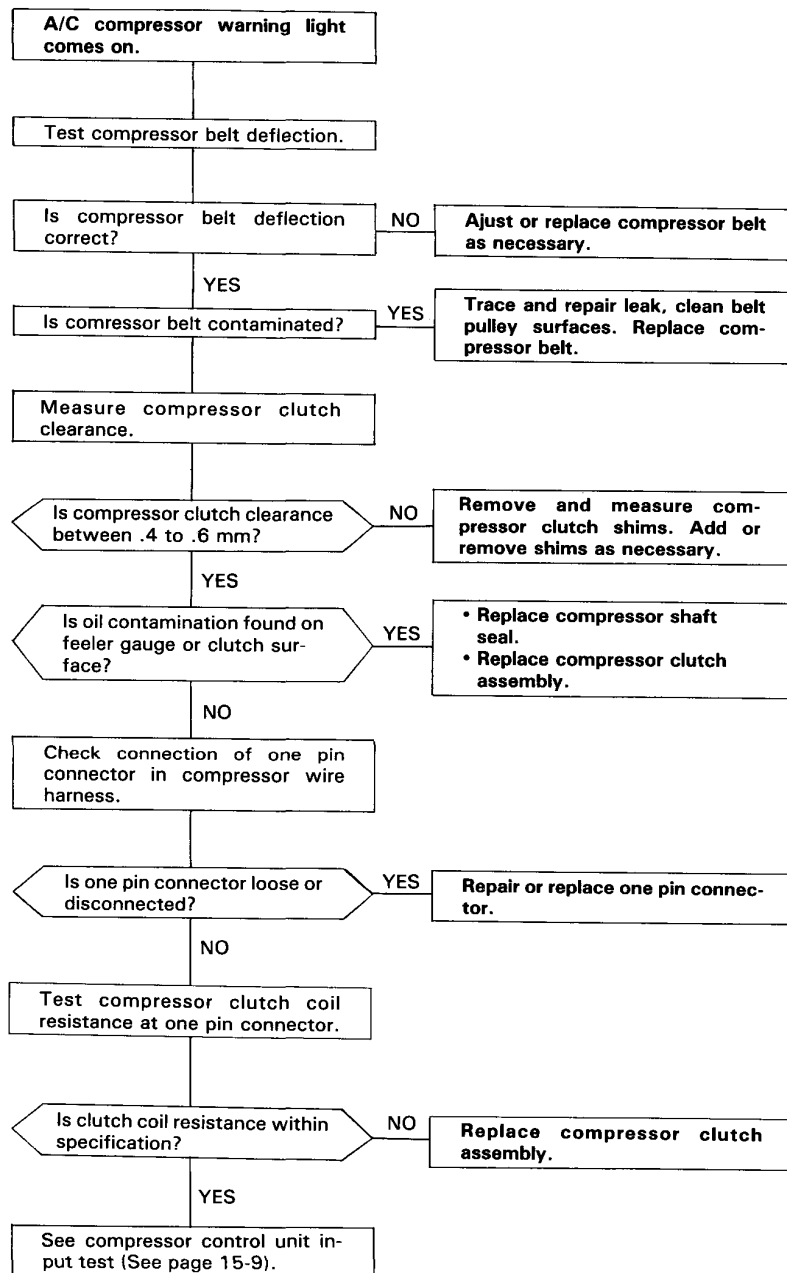
- Fuses No. 18, 36, 39, 17, 12, 35, 20
- Grounds No. G201, G401, G202, G203
- All electrical connections are clean and tight.

FLOW CHART NO.	SYMPTOM	PAGE
1	A/C compressor warning light comes ON.	15-11
2	Compressor, warning light and cooling fans do not come on.	15-12
3	A/C compressor does not come on and cooling fans come on.	15-14
4	Both fans (condenser and compressor fans) do not run. Compressor operates normally.	15-16
5	One fan (condenser or compressor fan) does not run. Compressor operates normally.	15-19

NOTE: To improve performance, when the throttle is opened quickly, the signal from the ECU to the A/C compressor is interrupted for 4—6 seconds.



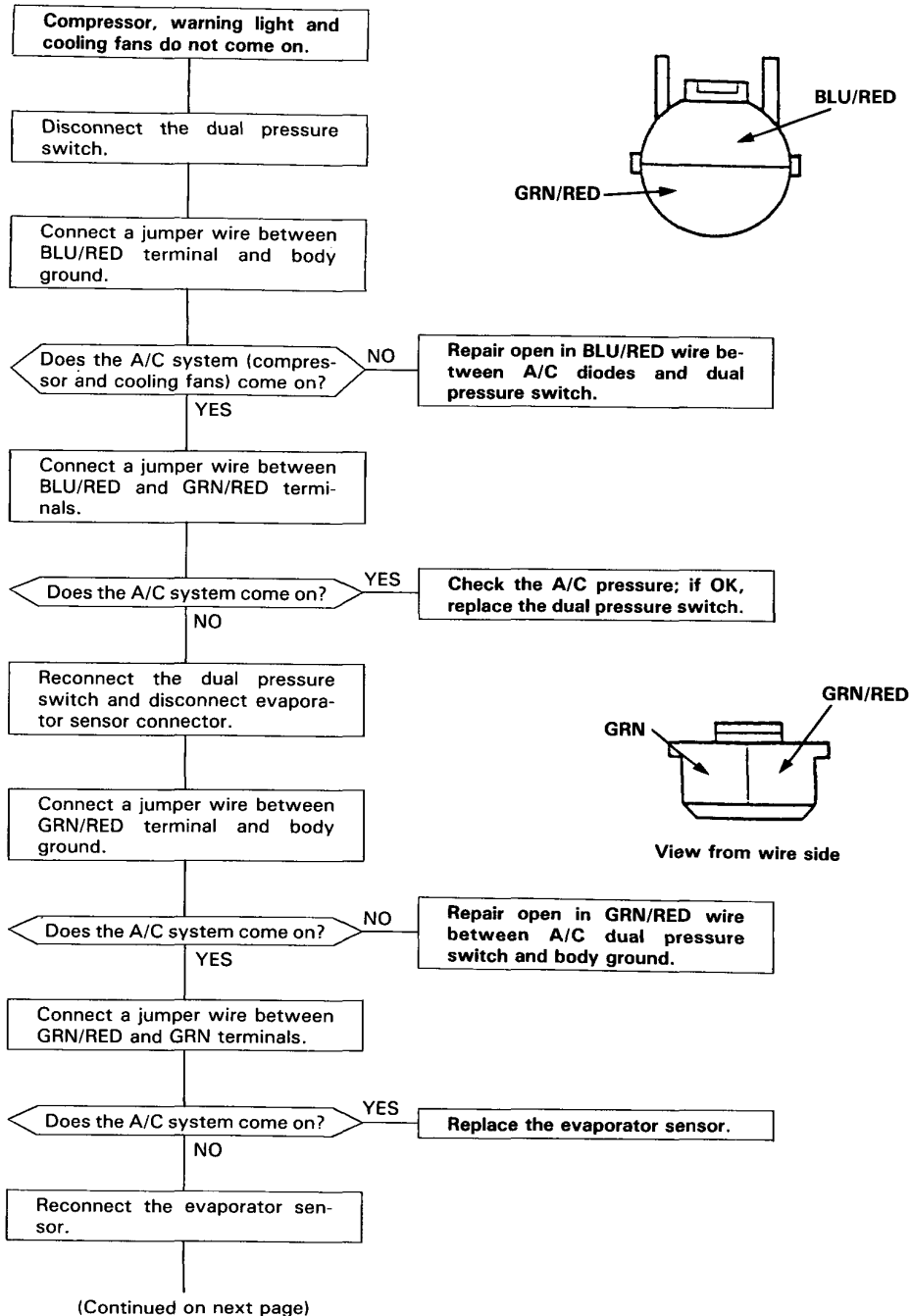
Flow Chart 1



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Flow Chart 2

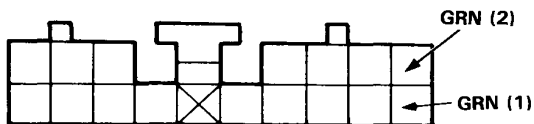
NOTE: Perform all checks with the engine running.





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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.



view from wire side

With switch connected, ground the BLU wire.

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.

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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?

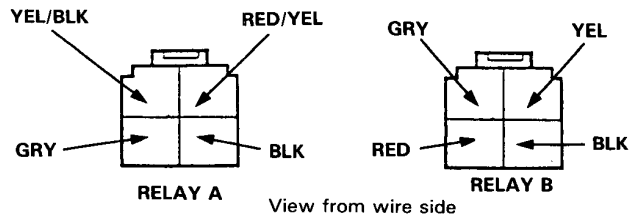
NO

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

Does the compressor come on?

YES

Replace the A/C diodes.

NO

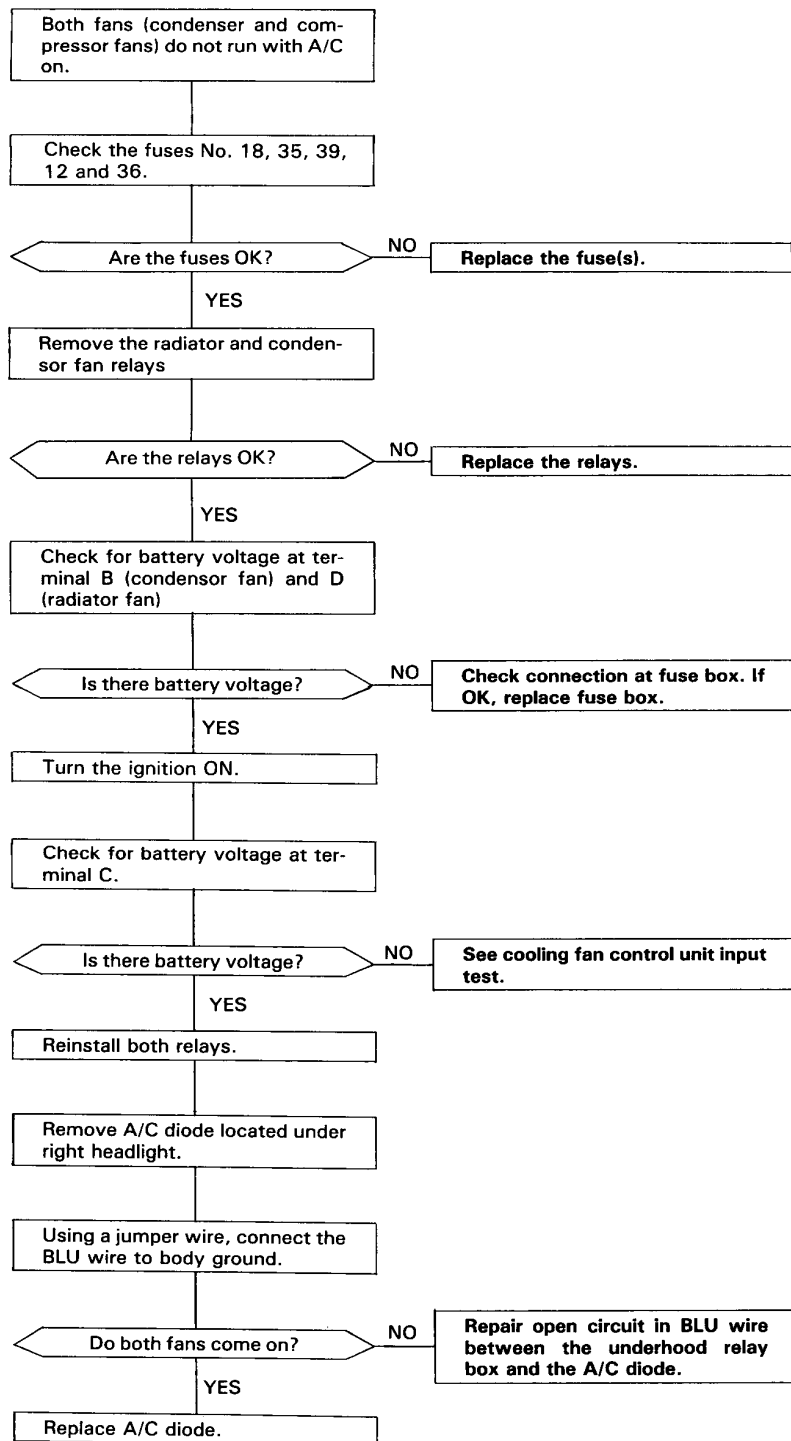
CHECK the CCU* inputs
(page 15-9).

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

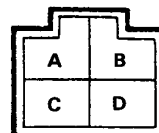
*CCU: Compressor Control Unit

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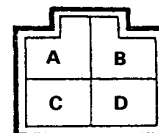
Flow Chart 4



CONDENSER
FAN RELAY
SOCKET



RADIATOR
FAN RELAY
SOCKET





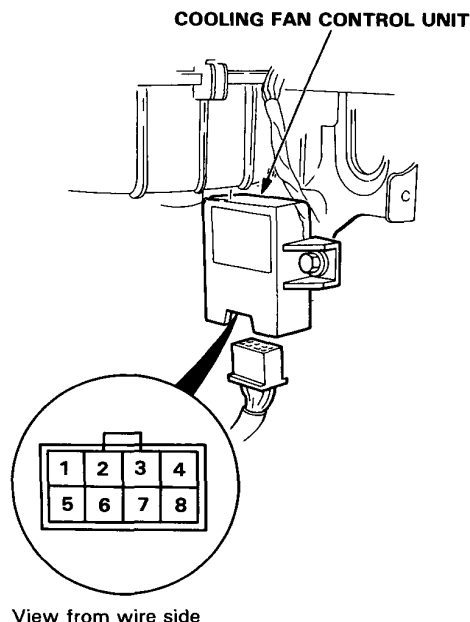
Cooling Fan Control Unit Input Test

- 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.

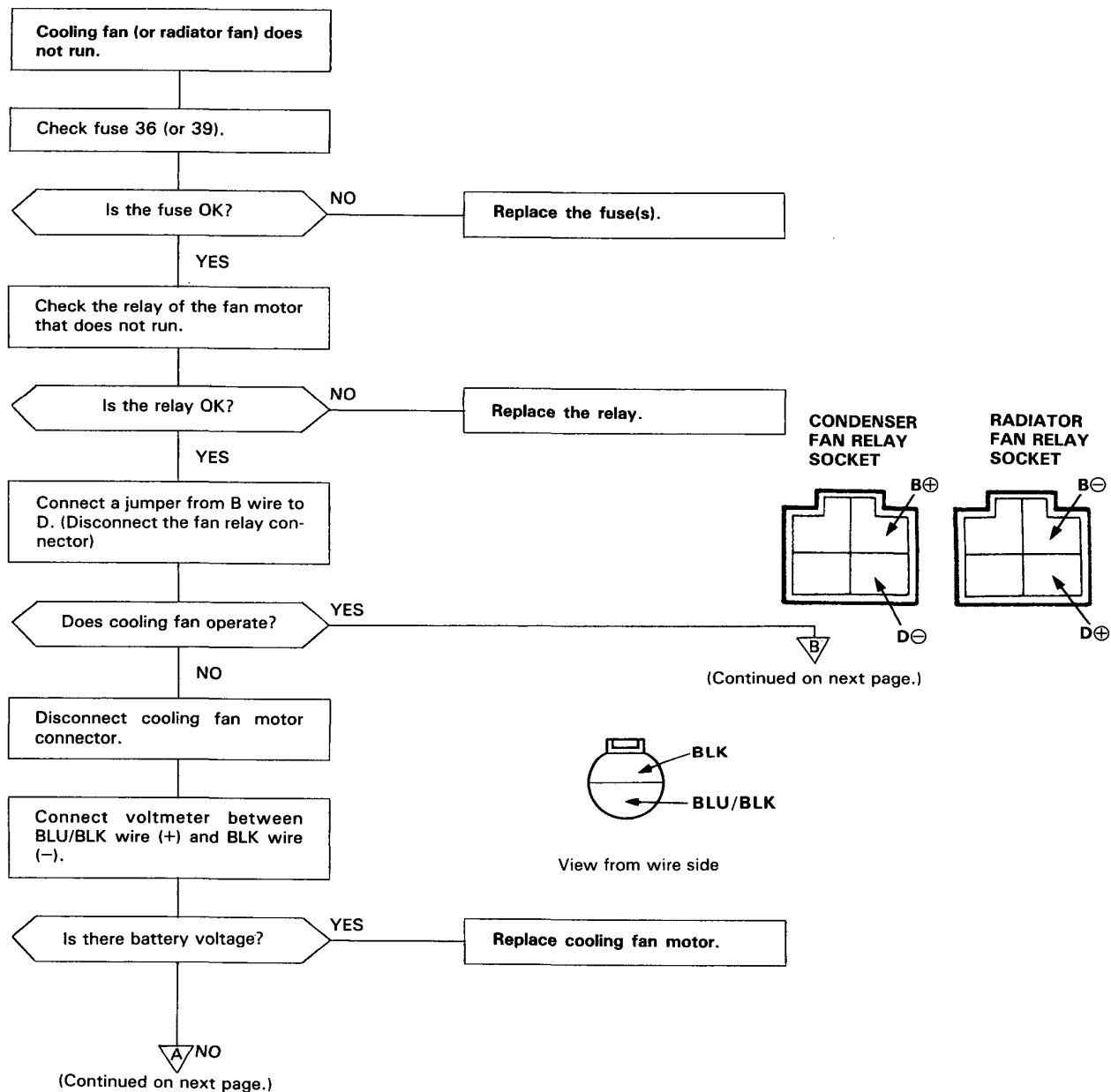
NOTE: If all tests check OK, replace with known-good cooling fan control unit.



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 ²	Check for battery voltage.	Repair open in BLK/YEL ² 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 ¹	Check for battery voltage.	Repair open in BLK/YEL ¹ between fuse No. 12 and cooling fan control unit.

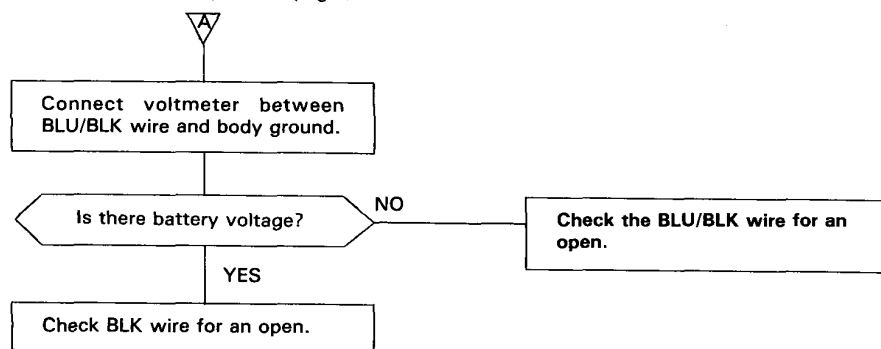
Troubleshooting

Flow Chart 5





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