DTC 1: A PROBLEM IN THE BLOWER MOTOR CIRCUIT

1. Check the No. 56 (40A) fuse in the under-hood fuse/relay box, and the No. 3 (7.5A) fuse in the driver's under-dash fuse/relay box.

   Are the fuses OK?

   YES - Go to step 2.

   NO - Replace the fuse(s), and recheck.
2. Connect the No. 2 terminal of the blower motor 2P connector to body ground with a jumper wire.

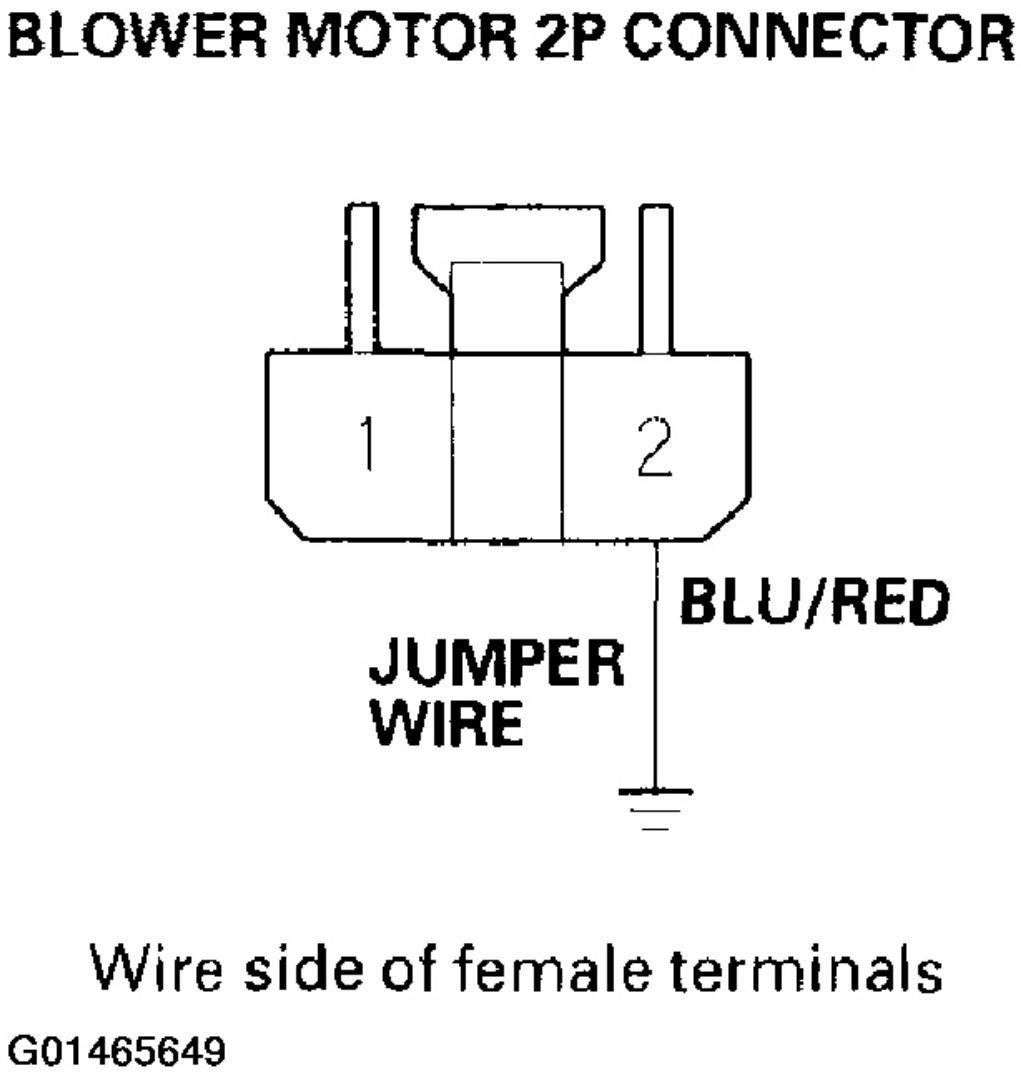

Fig. 18: Connecting The No. 2 Terminal Of The Blower Motor 2P Connector To Body Ground With A Jumper Wire

3. Turn the ignition switch ON (II).

   Does the blower motor run at high speed?

   YES - Go to step 4.
   NO - Go to step 17 .
4. Turn the ignition switch OFF.
5. Disconnect the jumper wire.
6. Disconnect the power transistor 5P connector.
7. Check for continuity between the No. 5 terminal of the power transistor 5P connector and body ground.

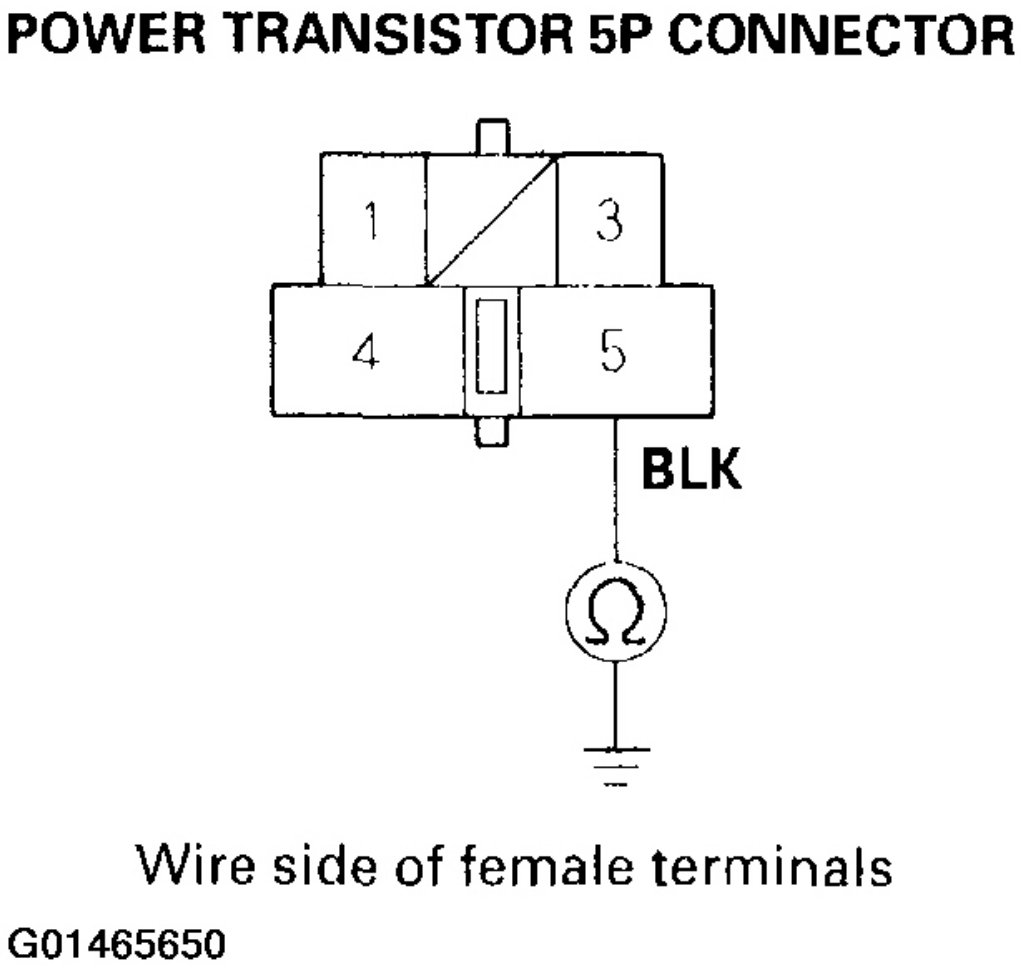

Fig. 19: Checking For Continuity Between The No. 5 Terminal Of The Power Transistor 5P Connector & Body Ground

Is there continuity?

YES - Go to step 8.

NO - Check for an open in the wire between the power transistor and body ground. If the wire is OK, check for poor ground at G401.

8. Connect the No. 4 and No. 5 terminals of the power transistor 5P connector with a jumper wire.

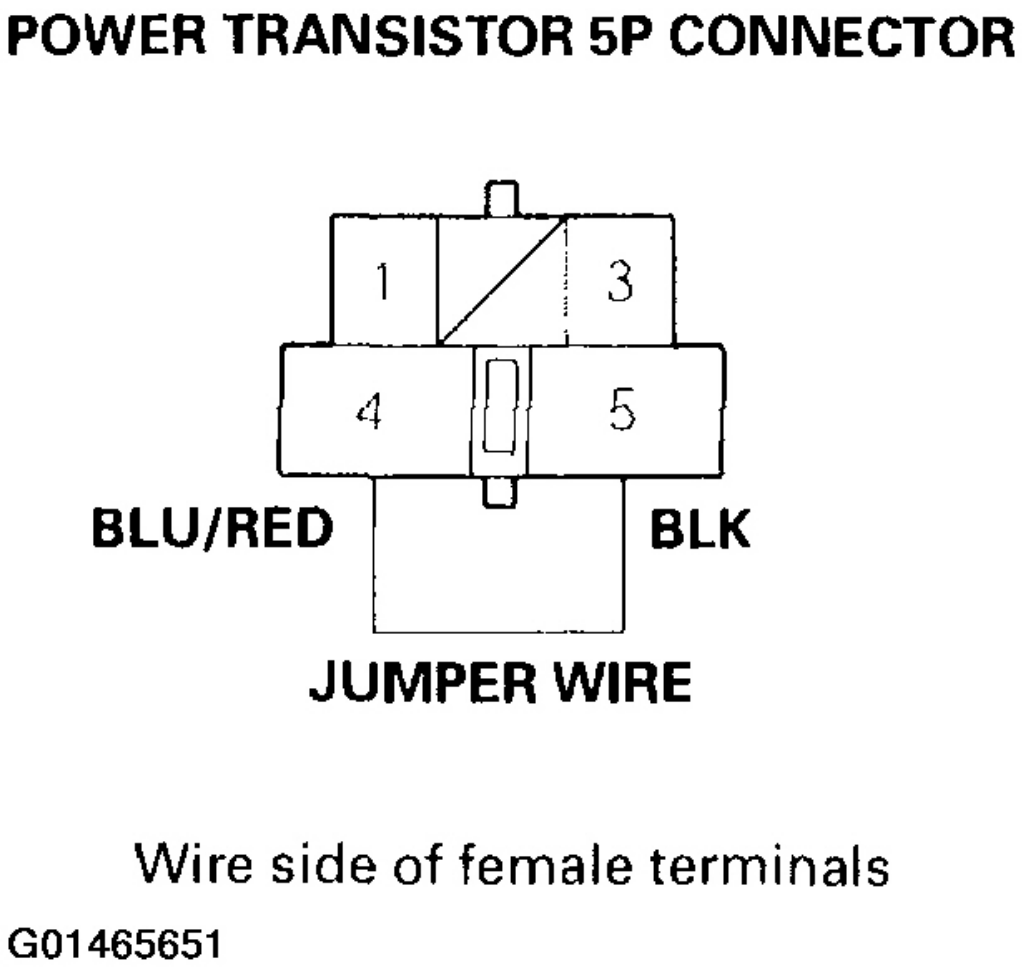

Fig. 20: Connecting The No. 4 & No. 5 Terminals Of The Power Transistor 5P Connector With A Jumper Wire

9. Turn the ignition switch ON (II).

   Does the blower motor run at high speed?

   YES - Go to step 10.
   NO - Repair open in the wire between the power transistor and the blower motor.
10. Turn the ignition switch OFF.
11. Disconnect the jumper wire.
12. Disconnect the heater control panel 30P connector.
13. Check for continuity between the No. 3 and No. 4 terminals of the heater control panel 30P connector and

body ground individually.

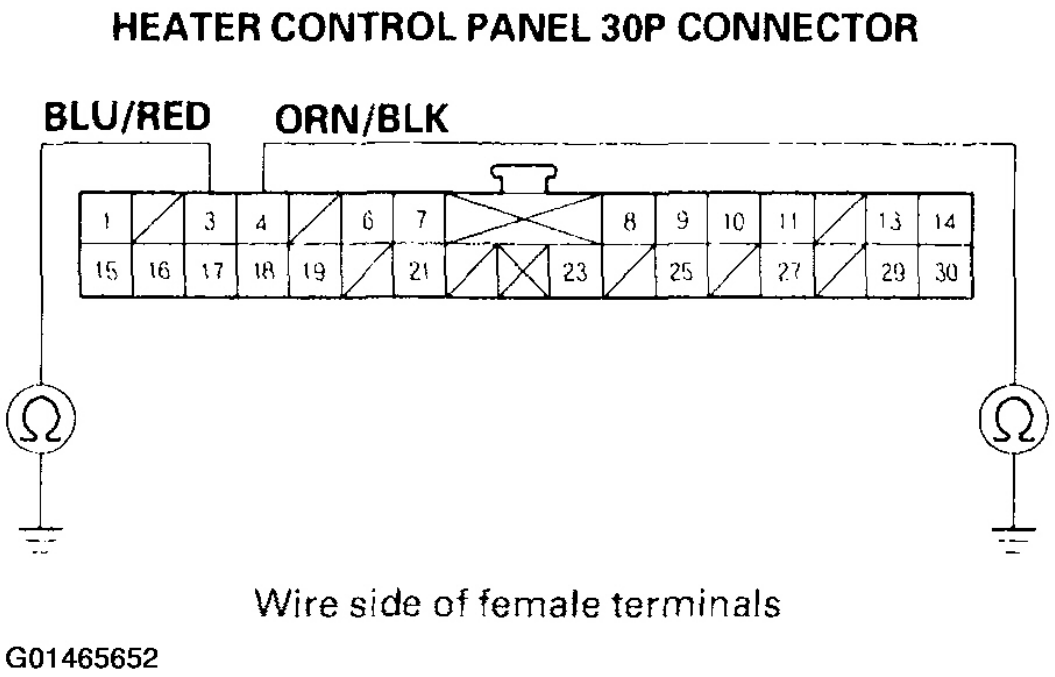

Fig. 21: Checking For Continuity Between The No. 3 & No. 4 Terminals Of The Heater Control Panel 30P Connector & Body Ground

Is there continuity?

YES - Repair any short to body ground in the wire(s) between the heater control panel and the power transistor.

NO - Go to step 14.

14. Check for continuity between the following terminals of the heater control panel 30P connector and power transistor 5P connector.

HEATER CONTROL PANEL 30P CONNECTOR-TO-POWER TRANSISTOR 5P CONNECTOR CONTINUITY CHART

Heater Control Panel 30P Connector Terminal	Power Transistor 5P Connector Terminal
No. 3	No. 1
No. 4	No. 3

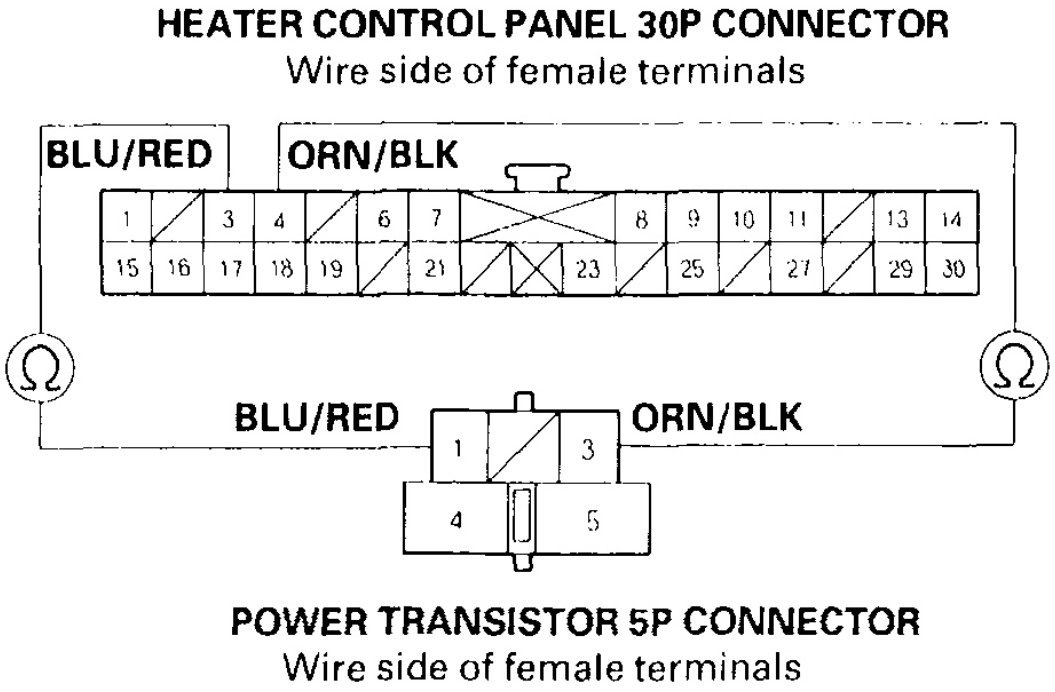

Fig. 22: Checking For Continuity Between Terminals Of The Heater Control Panel 30P Connector & Power Transistor 5P Connector

Is there continuity?

YES - Go to step 15.

NO - Repair any open in the wire(s) between the heater control panel and the power transistor.

15. Reconnect the heater control panel 30P connector.
16. Test the power transistor (see **POWER TRANSISTOR TEST**).

Is the power transistor OK?

YES - Check for loose wires or poor connections at the heater control panel 30P connector and at the power transistor 5P connector. If the connections are good, substitute a known-good heater control panel, and recheck. If the symptom/indication goes away, replace the original heater control panel.

NO - Replace the power transistor.

17. Disconnect the jumper wire.
18. Disconnect the blower motor 2P connector.
19. Measure the voltage between the No. 1 terminal of the blower motor 2P connector and body ground.

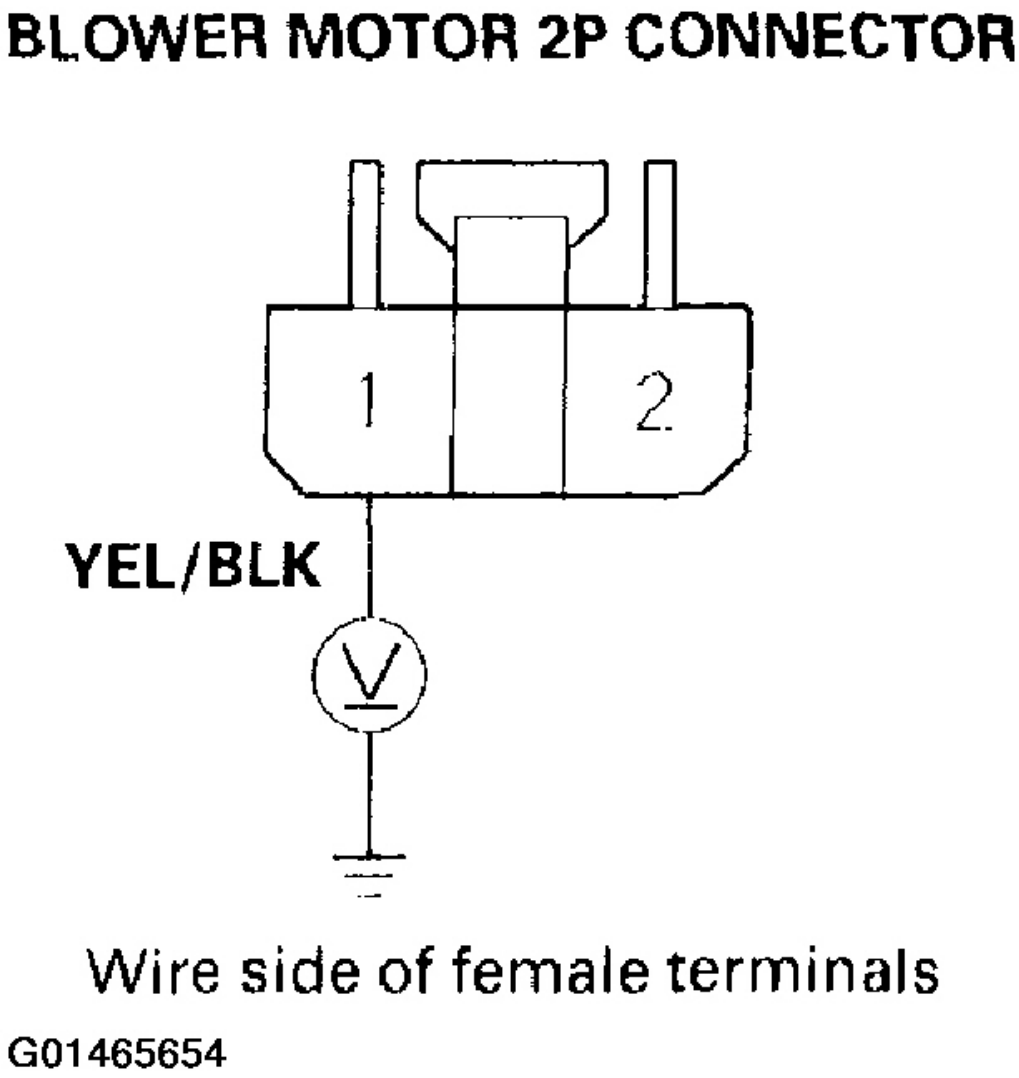

Fig. 23: Measuring The Voltage Between The No. 1 Terminal Of The Blower Motor 2P Connector & Body Ground

Is there battery voltage?

YES - Replace the blower motor.

NO - Go to step 20.

20. Turn the ignition switch OFF.
21. Remove the blower motor relay from the under-hood fuse/relay box, and test it (see **FUSES & CIRCUIT BREAKERS**).

Is the relay OK?

YES - Go to step 22.

NO - Replace the blower motor relay.

22. Measure the voltage between the No. 4 terminal of the blower motor relay 4P socket and body ground.

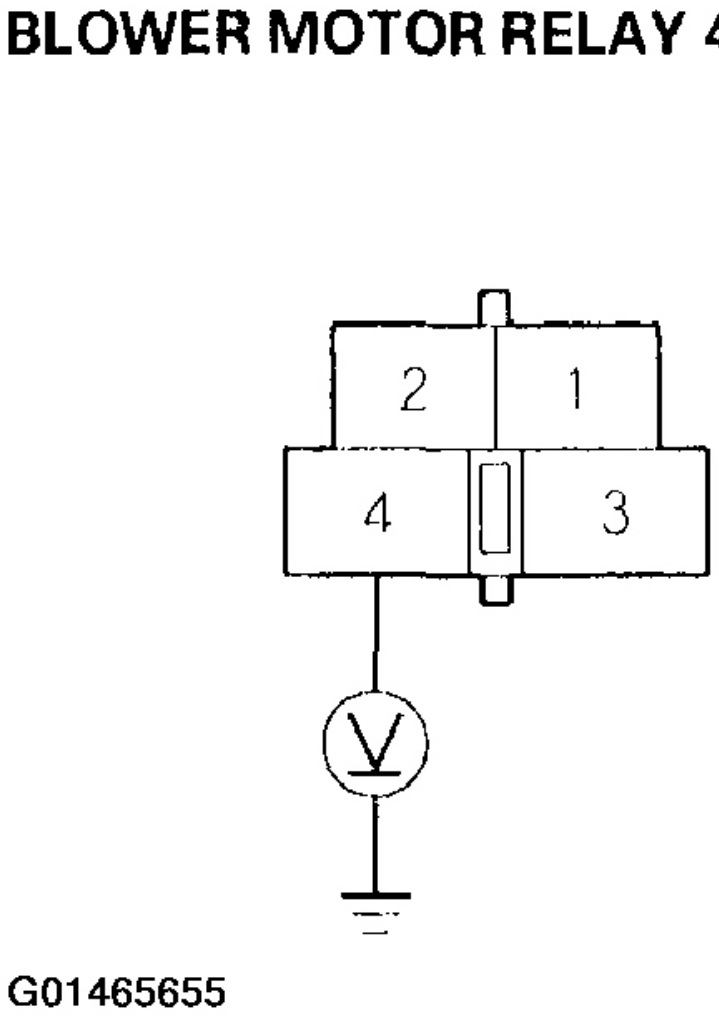

Fig. 24: Measuring The Voltage Between The No. 4 Terminal Of The Blower Motor Relay 4P Socket & Body Ground

Is there battery voltage?

YES - Go to step 23.

NO - Replace the under-hood fuse/relay box.

23. Turn the ignition switch ON (II).
24. Measure the voltage between the No. 1 terminal of the blower motor relay 4P socket and body ground.

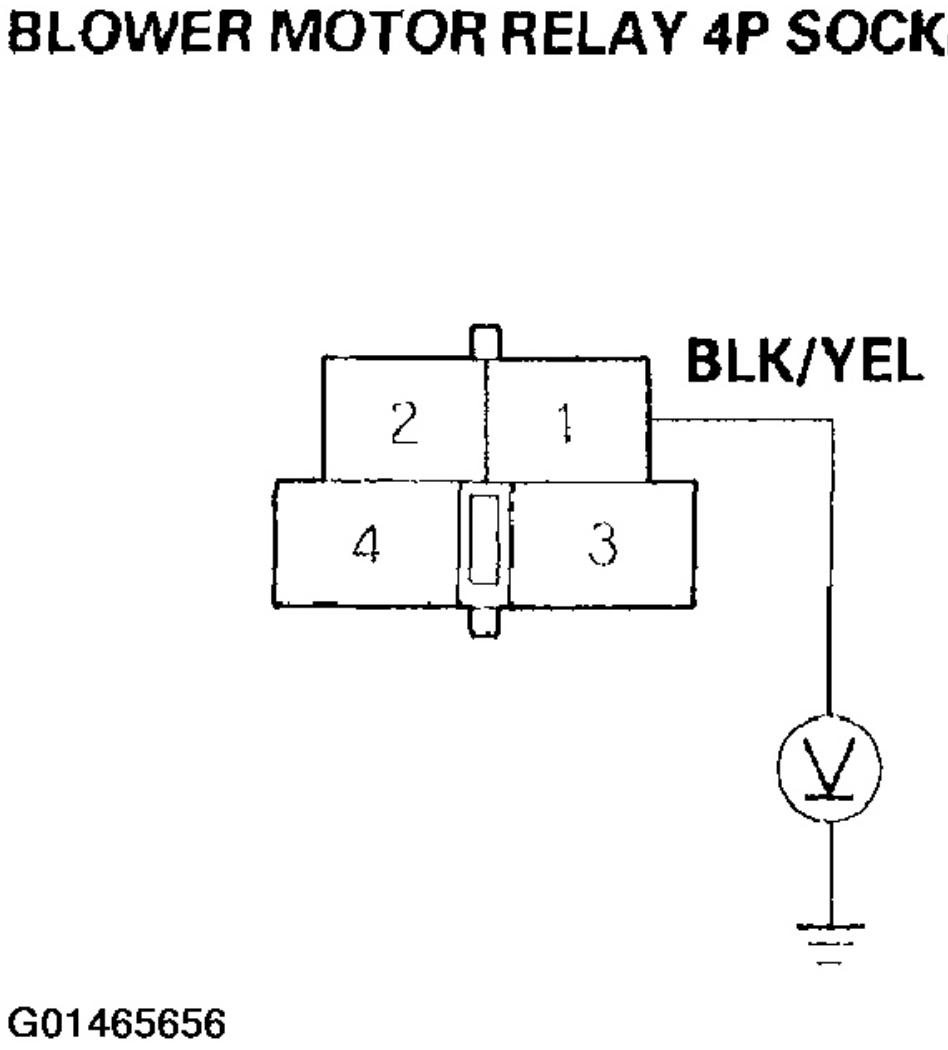

Fig. 25: Measuring The Voltage Between The No. 1 Terminal Of The Blower Motor Relay 4P Socket & Body Ground

Is there battery voltage?

YES - Go to step 25.

NO - Repair open in the wire between the No. 3 fuse in the driver's under-dash fuse/relay box and

the blower motor relay.

25. Turn the ignition switch OFF.
26. Check for continuity between the No. 2 terminal of the blower motor relay 4P socket and body ground.

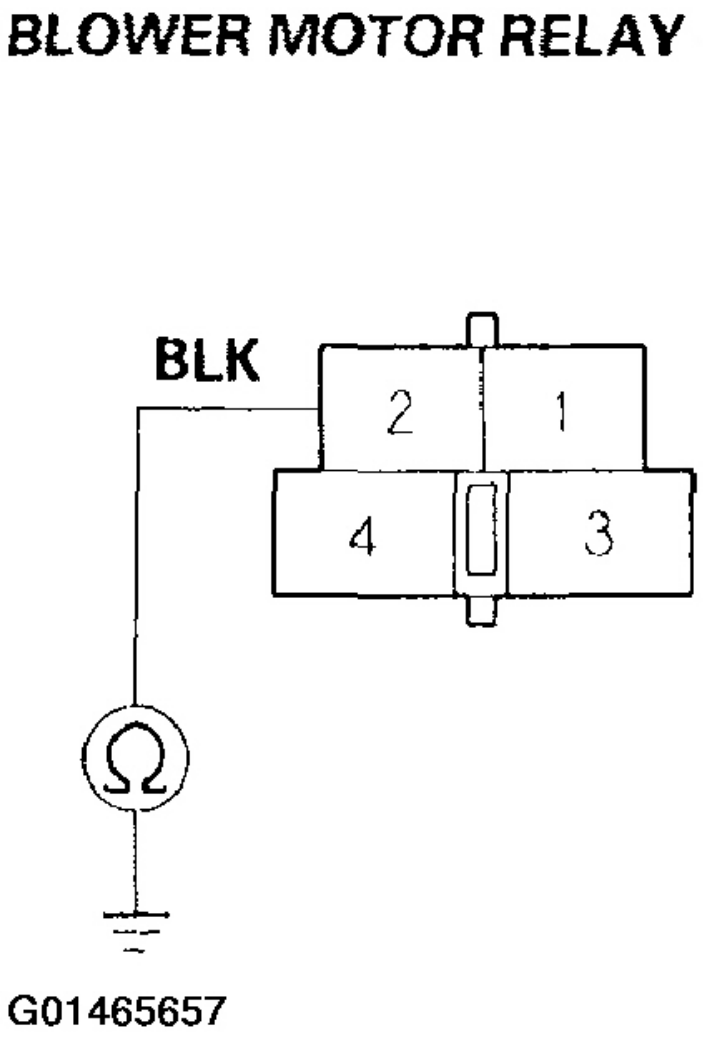

Fig. 26: Checking For Continuity Between The No. 2 Terminal Of The Blower Motor Relay 4P Socket & Body Ground

Is there continuity?

YES - Repair open in the YEL/BLK wire between the blower motor relay and the blower motor.

NO - Check for an open in the wire between the blower motor relay and body ground. If the wire is

OK, check for poor ground at G201.