

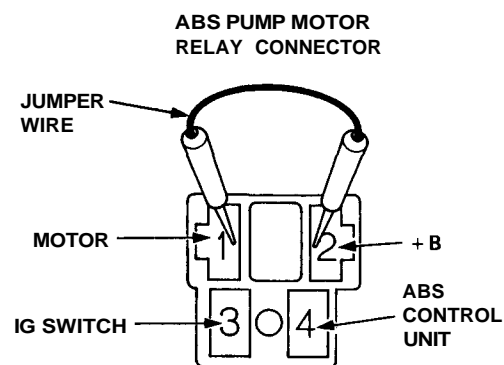
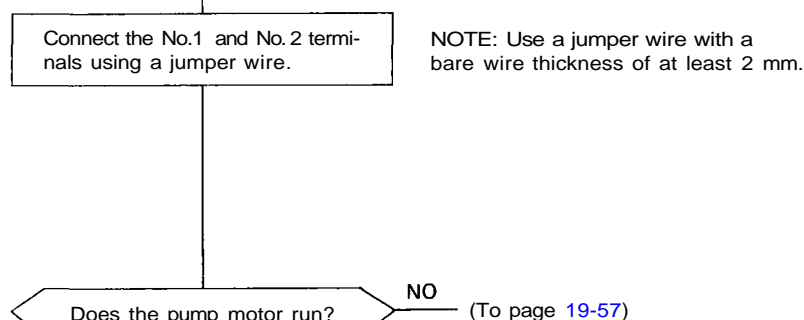
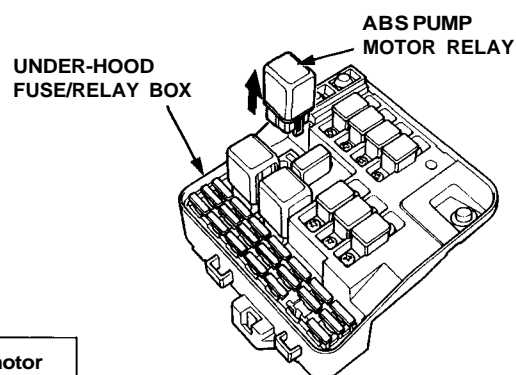
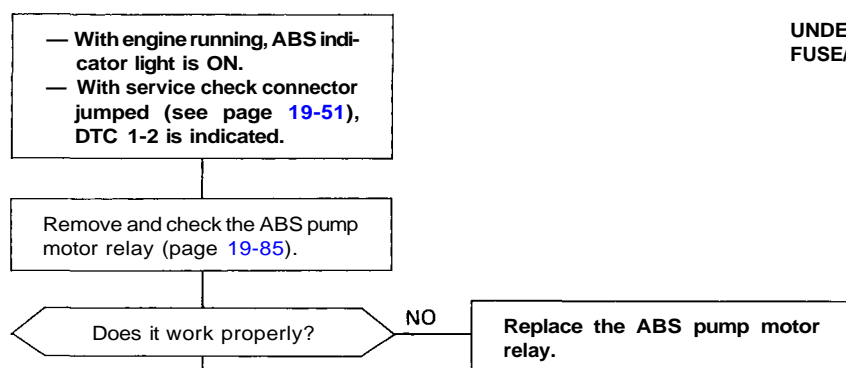
Diagnostic Trouble Code (DTC) 1-2: ABS Pump Motor Circuit Problem

CAUTION: Use only the digital multimeter to check the system.

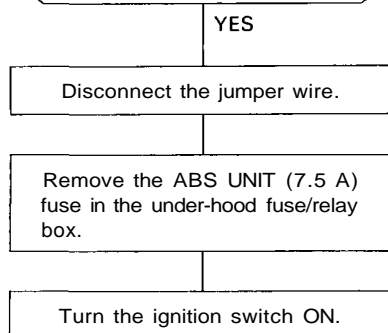
NOTE: If a malfunction is detected, this code appears and the fail-safe function is activated. The ABS indicator light comes ON after restarting the engine until the DTC is erased (by disconnecting the ABS B2 (15 A) fuse in the under-hood fuse/relay box for three seconds).

Pre-test steps:

- Check ABS MOTOR (50A) fuse
- Check No. 3 REAR DEFROSTER RELAY, COOLING FAN RELAY (15 A) fuse in the under-dash fuse/relay box.
- Check ABS UNIT (7.5A) fuse in the under-hood fuse/relay box.
- Check for loose under-hood fuse/relay box connectors.



View from terminal side.



(To page 19-56)

(cont'd)

Troubleshooting

Flowcharts (cont'd)

(From page 19-55)

Check for voltage between the under-hood fuse/relay box ABS UNIT fuse A terminal and body ground.

Is there approx. 10V?

NO

Repair open in WHT/BLU wire between the ABS UNIT (7.5 A) fuse in the under-hood fuse/relay box and ABS control unit.

YES

Reinstall the fuse to the under-hood fuse/relay box.

Disconnect the ABS pump motor connector.

Check for voltage between the ABS pump motor relay No.1 terminal and body ground.

Is there battery voltage?

NO

Replace the under-hood fuse/relay box.

YES

Check for voltage between the No.3 terminal and body ground.

Is there battery voltage?

NO

Repair open in YEL/BLK wire between the No. 3 (15 A) fuse in the under-dash fuse/relay box and ABS pump motor relay.

YES

Reinstall the ABS pump motor relay.

Disconnect the 18P (cars with TCS: 20P) connector from the ABS control unit.

Check for voltage between the ABS control unit connector No. 18 (cars with TCS: No. 21) (YEL/RED) terminal and body ground.

Is there battery voltage?

NO

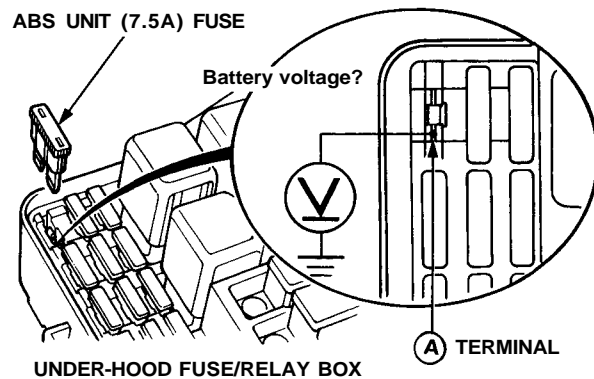
Repair open in YEL/RED wire between the ABS pump motor relay and ABS control unit.

YES

Check for loose ABS control unit connectors. If necessary, substitute a known-good ABS control unit and recheck.

ABS UNIT (7.5A) FUSE

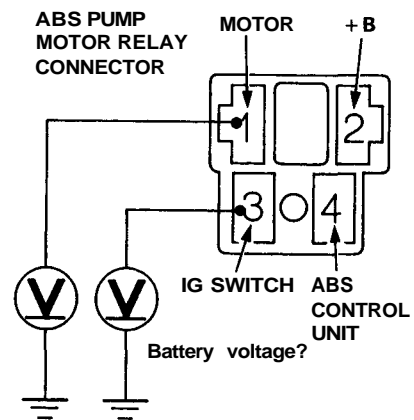
Battery voltage?



UNDER-HOOD FUSE/RELAY BOX

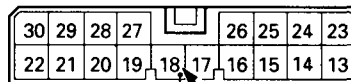
A TERMINAL

ABS PUMP MOTOR RELAY CONNECTOR



View from terminal side.

Cars without TCS
18P CONNECTOR



Battery voltage?



YEL/RED (PMR)

Cars with TCS
20P CONNECTOR

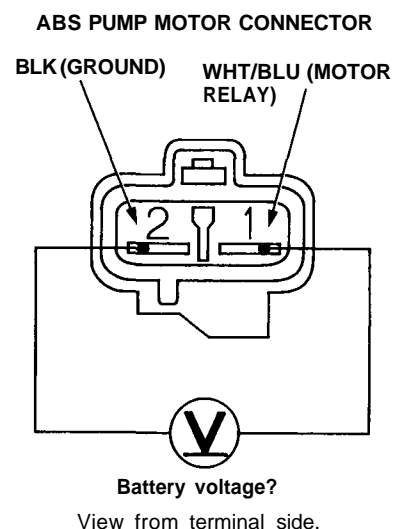
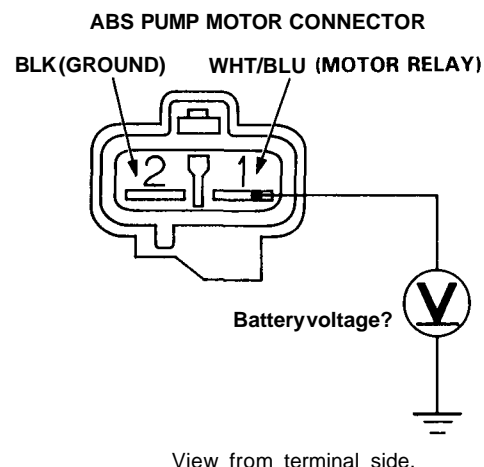
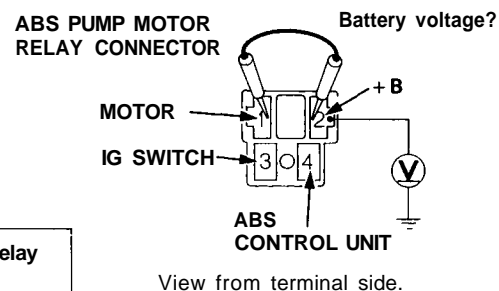
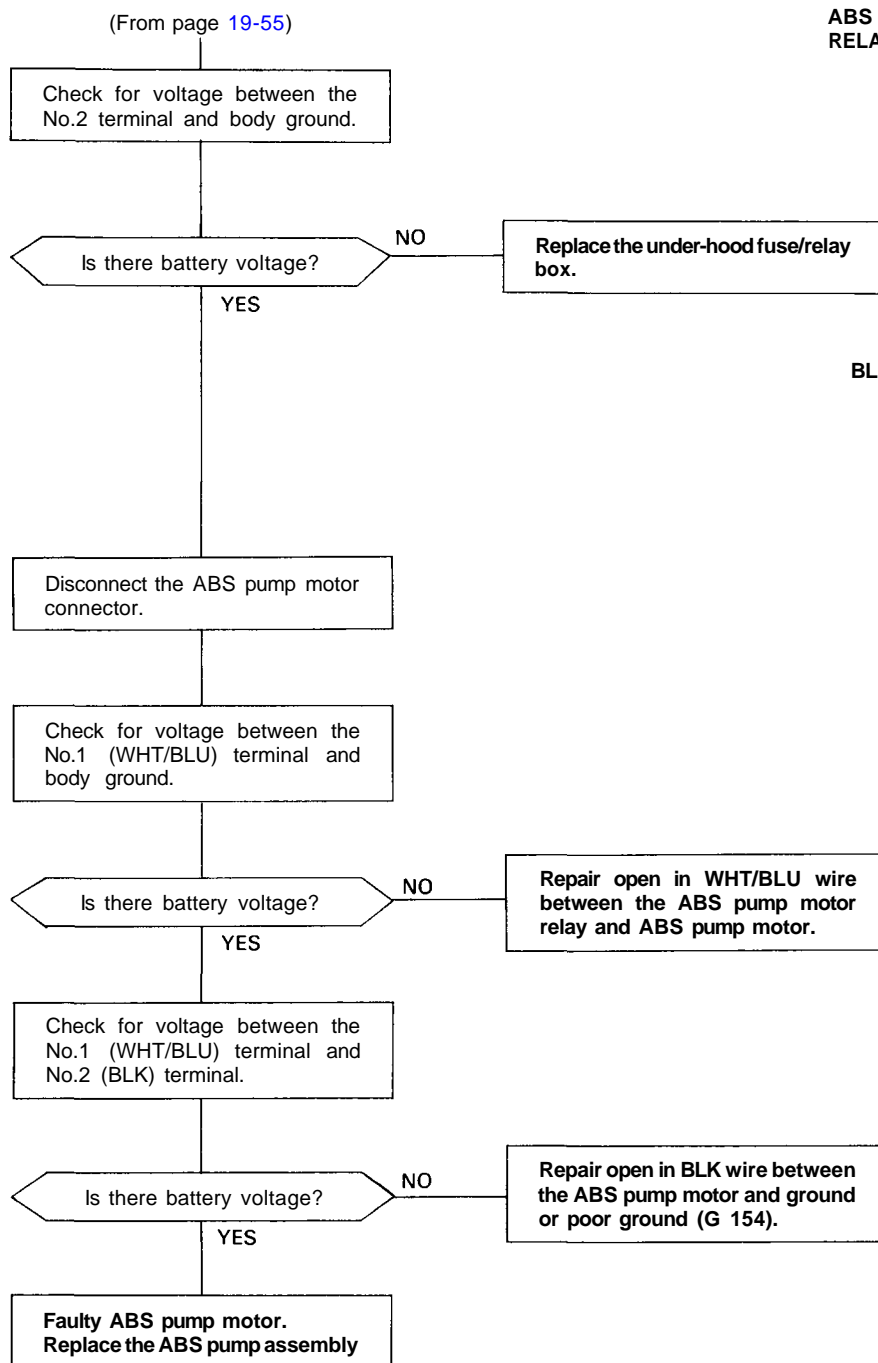


Battery voltage?



YEL/RED (PMR)

View from ABS control unit terminal side.



(cont'd)