

Troubleshooting

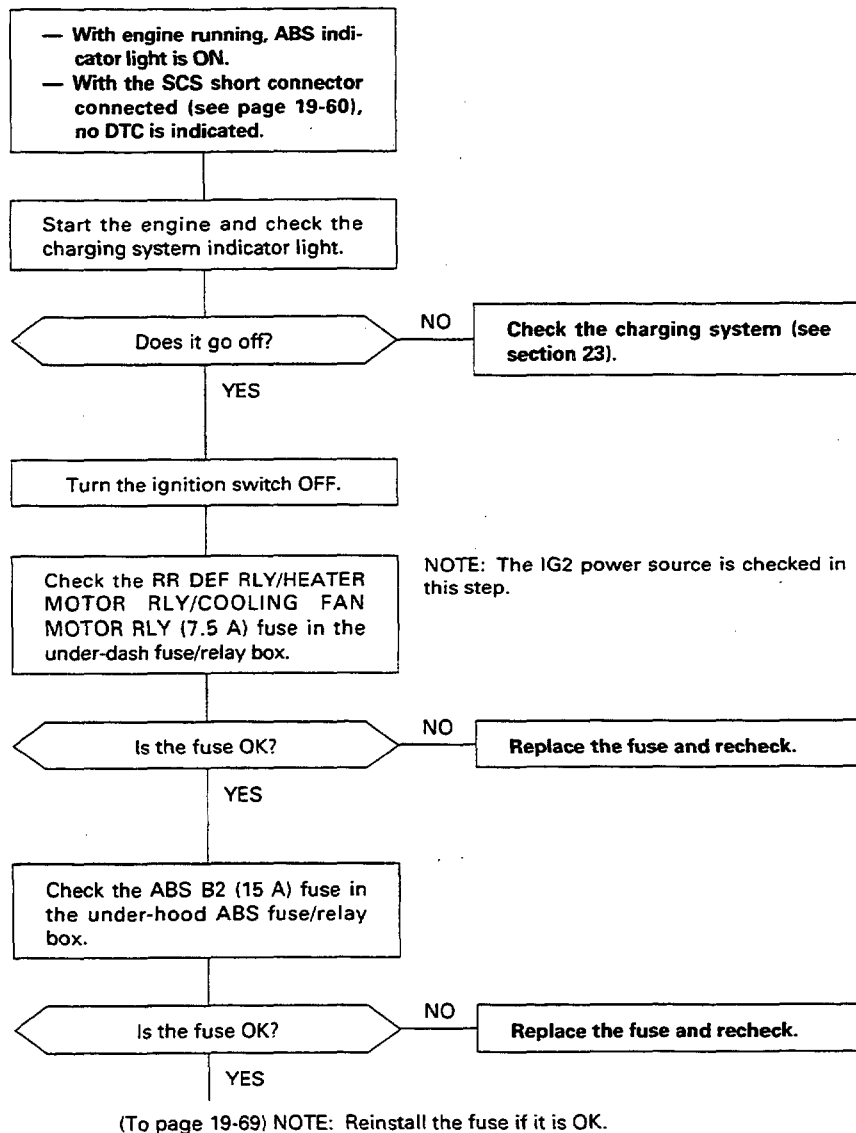
ABS Indicator Light Does Not Go Off

The ABS indicator light does not go off after the engine is started

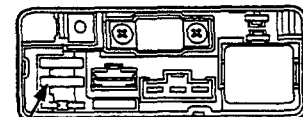
When no problem is found during the initial diagnosis, the ABS control unit turns the ABS indicator light drive transistor off to turn the ABS indicator light off.

Possible causes for an ABS indicator light that does not go off, but no Diagnostic Trouble Code (DTC) is indicated:

- Blown RR DEF RLY/HEATER MOTOR RLY/COOLING FAN MOTOR RLY (7.5 A) fuse
- Open circuit between the under-dash fuse/relay box and ABS control unit
- Open circuit between the battery and under-hood ABS fuse/relay box
- Blown ABS B2 (15 A) fuse
- Open circuit inside the under-hood ABS fuse/relay box
- Open circuit between the under-hood ABS fuse/relay box and ABS control unit
- Faulty alternator
- Open circuit between the alternator and ABS control unit
- Short to body ground in the WARN circuit between the ABS indicator light and ABS control unit
- Faulty ABS control unit



UNDER-HOOD ABS FUSE/RELAY BOX



ABS B2 (15 A) FUSE

(From page 19-68)

Measure the voltage between the under-hood ABS fuse/relay box +B terminal and body ground.

NOTE: The +B2 line is checked from this step.

Is there battery voltage?

NO

Repair open in the BLK wire between the battery and under-hood ABS fuse/relay box.

YES

Measure the voltage between the under-hood ABS fuse/relay box 4P connector No. 3 (WHT) terminal and body ground.

Is there battery voltage?

NO

Replace the under-hood ABS fuse/relay box.

YES

Disconnect the ABS control unit 22P and 26P connectors.

Measure the voltage between the ABS control unit 26P connector No. 13 (WHT) terminal and body ground.

Is there battery voltage?

NO

Repair open in the WHT wire between the under-hood ABS fuse/relay box and ABS control unit.

YES

Turn the ignition switch ON.

NOTE: The WARN line is checked in this step with the ABS control unit connectors disconnected.

Does the ABS indicator light come on?

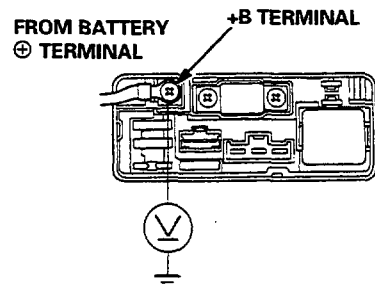
YES

Repair short to body ground in the BLU/RED wire between the ABS indicator light and ABS control unit.

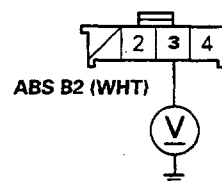
NO

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UNDER-HOOD ABS FUSE/RELAY BOX

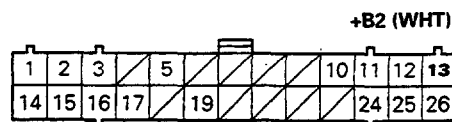


UNDER-HOOD ABS FUSE/RELAY BOX 4P CONNECTOR



WIRE SIDE OF FEMALE TERMINALS

ABS CONTROL UNIT 26P CONNECTOR



WIRE SIDE OF FEMALE TERMINALS



(cont'd)

Troubleshooting

ABS Indicator Light Does Not Go Off (cont'd)

(From page 19-69)

Measure the voltage between the ABS control unit 22P connector No. 11 (BLK/YEL) terminal and body ground.

NOTE: The IG2 line is checked in this step.

Is there battery voltage?

NO

Repair open in the BLK/YEL wire between the RR DEF RLY/HEATER MOTOR RLY/COOLING FAN MOTOR RLY (7.5 A) fuse in the under-dash fuse/relay box and ABS control unit.

YES

Start the engine.

Measure the voltage between the ABS control unit 26P connector No. 5 (WHT/BLU) terminal and body ground.

NOTE: The CHG line is checked in this step.

Is there battery voltage?

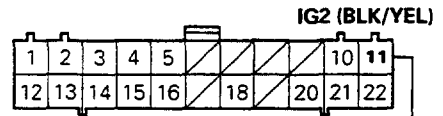
NO

Repair open in the WHT/BLU wire between the alternator and ABS control unit.

YES

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

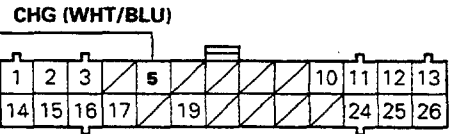
ABS CONTROL UNIT 22P CONNECTOR



WIRE SIDE OF FEMALE TERMINALS



ABS CONTROL UNIT 26P CONNECTOR



WIRE SIDE OF FEMALE TERMINALS

