

CIRCUIT INSPECTION

DTC	11, 12	ABS Solenoid Relay Circuit
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CIRCUIT DESCRIPTION

This relay supplies power to each ABS solenoid. After the ignition switch is turned ON, if the initial check is OK, the relay goes on.

DTC No.	DTC Detecting Condition	Trouble Area
11	With IG1 terminal voltage at 9.5V -18.5V, when solenoid relay is turned ON, relay contact is OFF*1 for 0.2 sec. or longer.	• ABS solenoid valve relay • Valve supply voltage
12	Immediately after IG1 is turned ON, when solenoid relay is turned OFF, relay contact is ON*2 for 0.2 sec. or longer.	

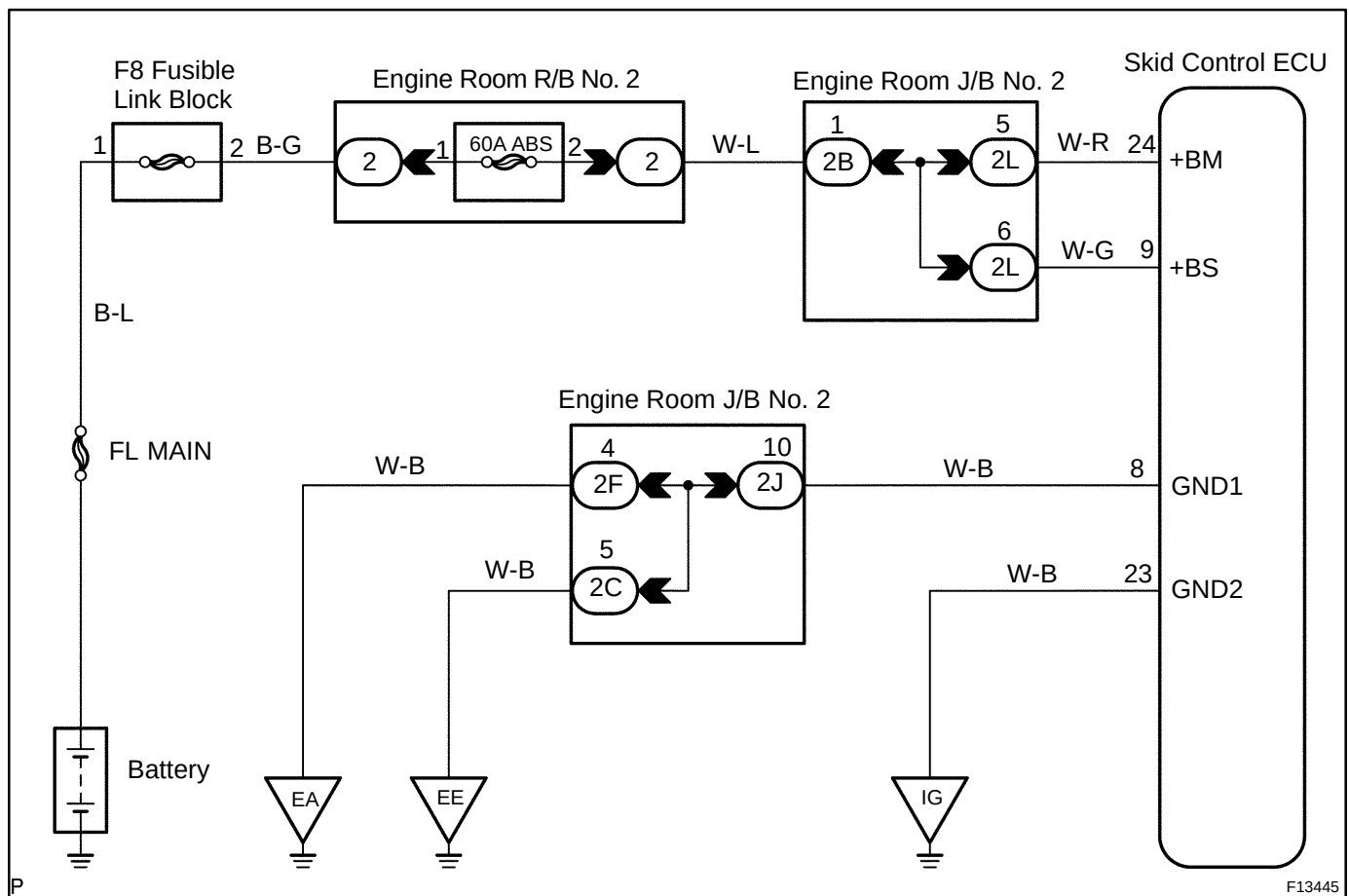
*1 Relay contact OFF condition:

When all solenoid supplied voltage are below 2.5 V.

*2 Relay contact ON condition:

Any of voltage supplied by solenoid is 6 V or more.

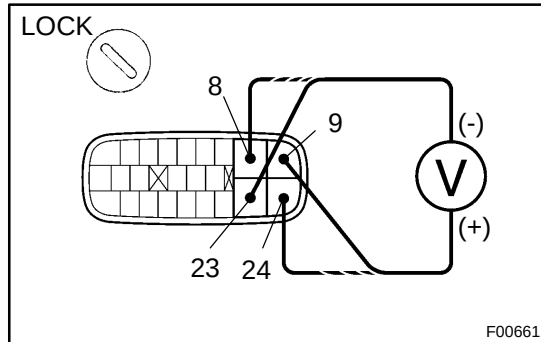
WIRING DIAGRAM



F13445

INSPECTION PROCEDURE

- | | |
|----------|---|
| 1 | Check voltage between terminals +BM and GND and terminals +BS and GND of ABS actuator. |
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**PREPARATION:**

Disconnect the ABS actuator connector.

CHECK:

Measure the voltage between terminals +BM(24) - GND(8, 23) and terminals +BS(9) - GND(8, 23) ABS actuator harness side connector.

OK:

Voltage: 10 - 14 V

NG

**Check and replace fuses.
Check and repair harness or connector.**

OK

If the same code is still output after the DTC is deleted, check the contact condition of each connection. If the connection is normal, the ECU may be defective.