

DTC	13, 14	ABS Motor Relay Circuit
------------	---------------	--------------------------------

CIRCUIT DESCRIPTION

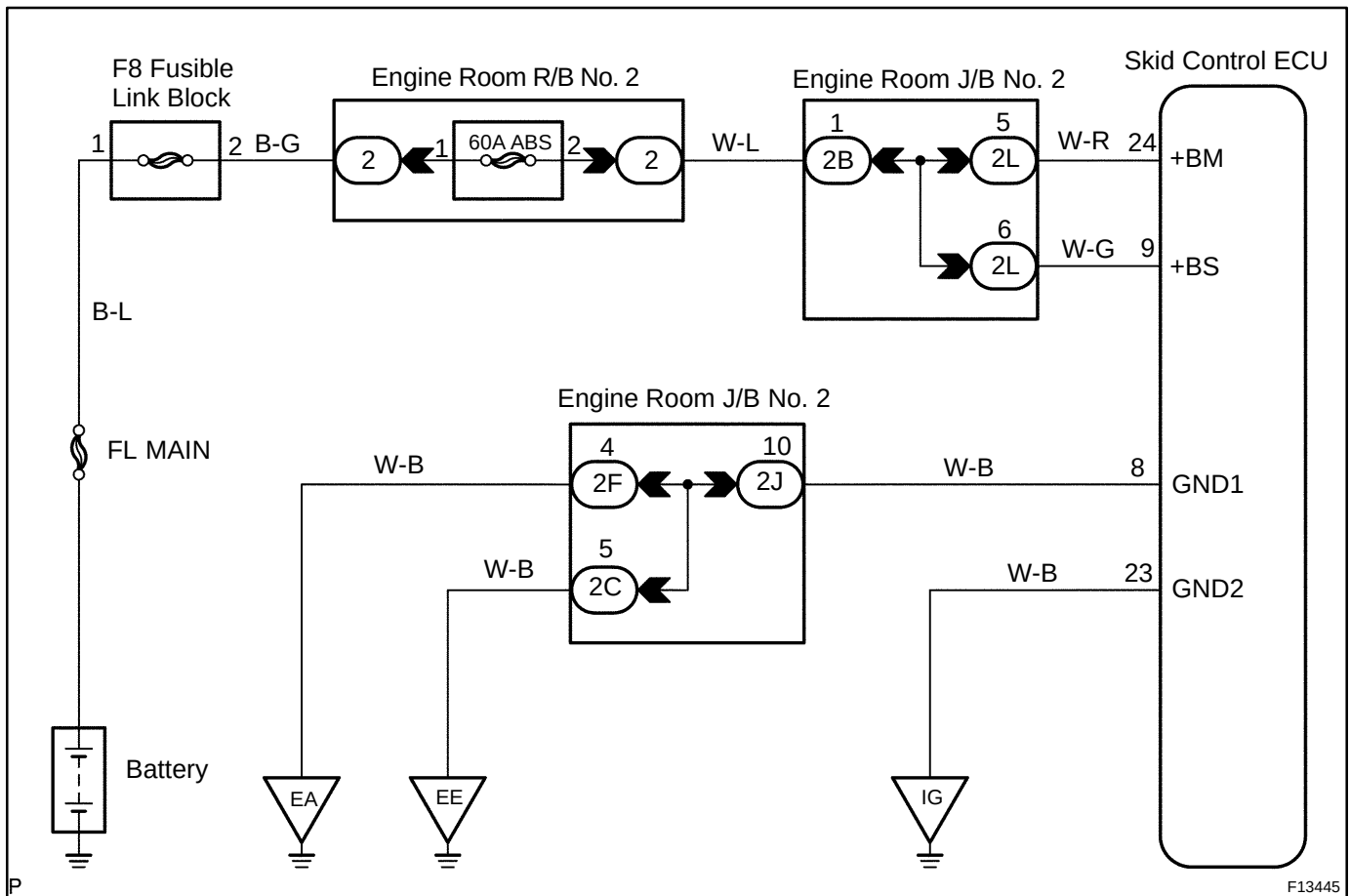
The ABS motor relay supplies power to the ABS pump motor. While the ABS is activated, the ECU switches the ABS motor relay ON and operates the ABS pump motor.

DTC No.	DTC Detecting Condition	Trouble Area
13	Detection of any conditions in 1. and 2.: 1. When pump motor relay is ON, relay contact is OFF* ¹ for 0.2 sec. or longer. 2. When pump motor relay is turned ON, relay contact is OFF* ¹ for 0.5 sec. or longer.	• ABS motor relay • Pump motor voltage • Pump motor lead disconnected
14	Detection of any conditions in 1. and 2.: 1. When pump motor relay is OFF, relay contact is ON* ² for 0.2 sec. or longer. 2. When pump motor relay is turned OFF, relay contact is ON* ² for 2 sec. or longer.	

*¹ Relay contact OFF condition: BM terminal voltage is below 1.5 V.

*² Relay contact ON condition: BM terminal voltage is 4.0 V or above.

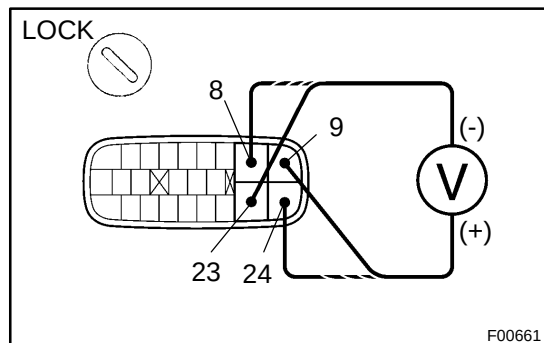
WIRING DIAGRAM



F13445

INSPECTION PROCEDURE

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

**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.