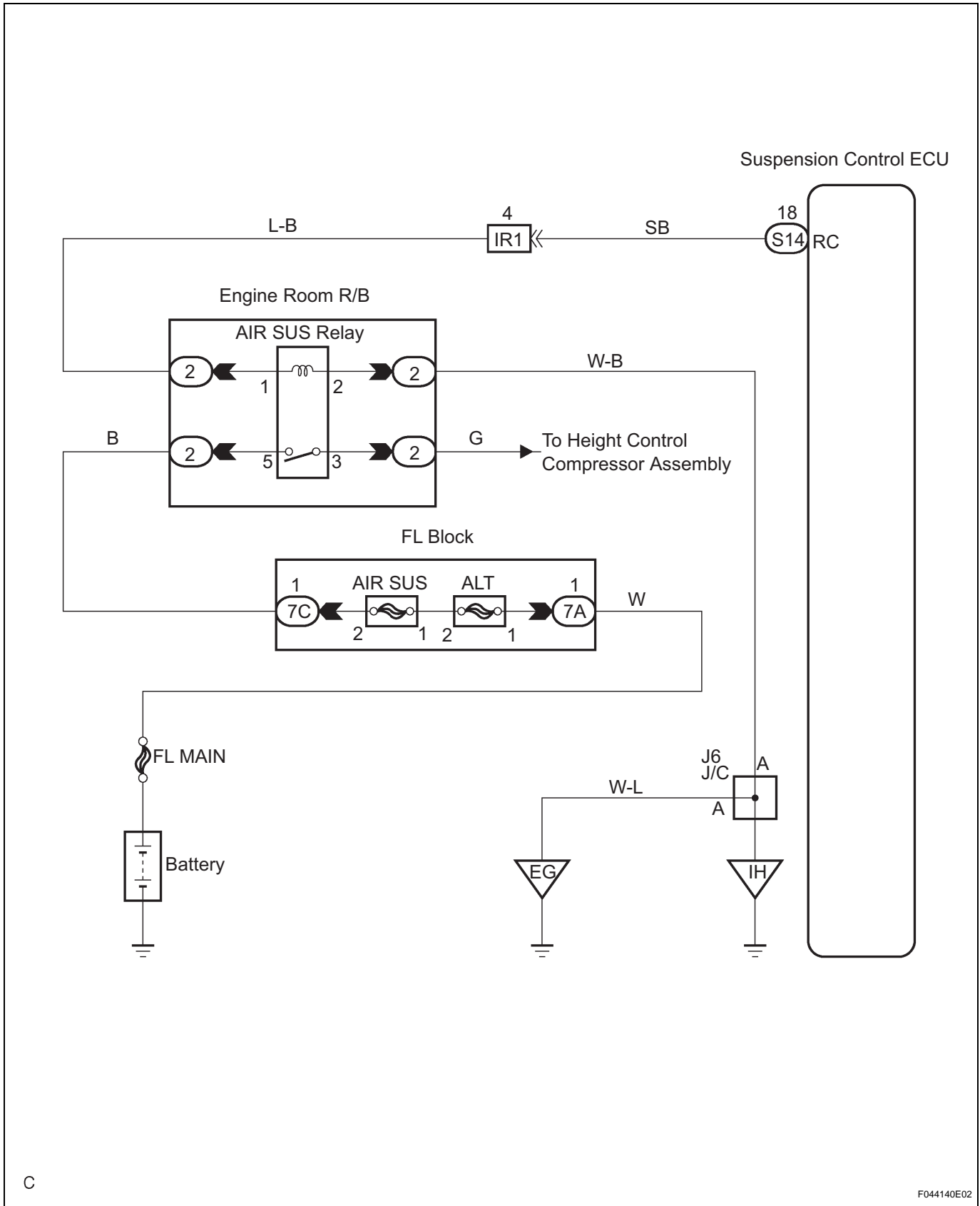


**DTC****C1741/41****Air Suspension Relay Circuit****DESCRIPTION**

The signal from the suspension control ECU switches ON the AIR SUS relay, and then the height control compressor motor starts.

DTC No.	DTC Detecting Condition	Trouble Area
C1741/41	Either the condition 1. or 2. is detected: 1. With the AIR SUS relay not activated, an open signal of the AIR SUS relay is detected for 1 sec. or more. 2. With the AIR SUS relay activated, a short signal of the AIR SUS relay is detected 8 times successively.	<ul style="list-style-type: none"><li>• AIR SUS relay</li><li>• AIR SUS relay circuit</li><li>• Suspension control ECU</li></ul>

WIRING DIAGRAM



SC

**1 RECONFIRM DTC**

- (a) Check DTCs (See page [SC-28](#)).
  - (1) Confirm if the DTC C1761/61 and/or C1774/74 is recorded.
    - OK:**  
**DTC C1761/61 and/or C1774/74 is not output.**
    - HINT:**  
 If either DTCC1761/61 (ECU malfunction) (See page [SC-76](#)) or C1774/74 (power source circuit) (See page [SC-79](#)) is displayed, carry out the necessary inspection. If they are output at the same time, carry out the necessary inspection for DTC C1774/74 first.

**NG** **REPAIR CIRCUIT INDICATED BY OUTPUT CODE**

**OK**

**2 PERFORM ACTIVE TEST BY INTELLIGENT TESTER**

- HINT:**  
 When not using intelligent tester, go to step 3.
- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch to the ON position, and push the intelligent tester main switch ON.
- (c) Select the item below in the ACTIVE TEST, and operate it with the intelligent tester.

**AIRSUS**

Item	Vehicle Condition / Test Details	Diagnostic Note
MOTOR RELAY	AIR SUS relay / ON or OFF	-

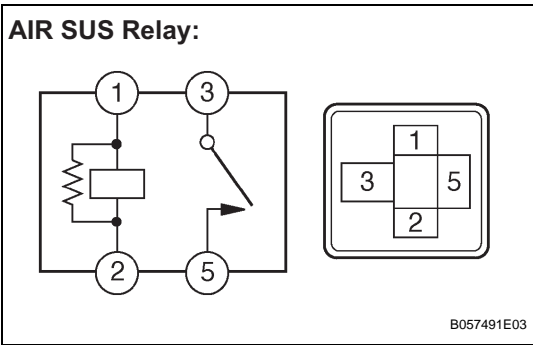
- (d) Check the operation sound of the AIR SUS relay when operating it with the intelligent tester.
  - OK:**  
**The operation sound of the AIR SUS relay can be heard.**

**NG** **Go to step 3**

**OK**

**REPLACE SUSPENSION CONTROL ECU**

**3 INSPECT AIR SUS RELAY**



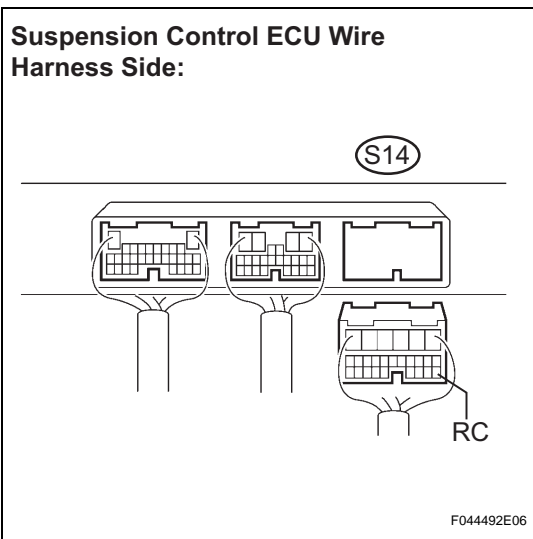
- (a) Remove the AIR SUS relay from the engine room R/B.
  - (b) Remove the AIR SUS relay from the engine room R/B.
- Resistance**

Tester Connection	Specified Condition
3 - 5	10 kΩ higher
	Below 1 Ω (When battery voltage is applied to terminals 1 and 2)

**OK**

**NG** → **REPLACE AIR SUS RELAY**

**4 CHECK HARNESS AND CONNECTOR (SUSPENSION CONTROL ECU - AIR SUS RELAY)**



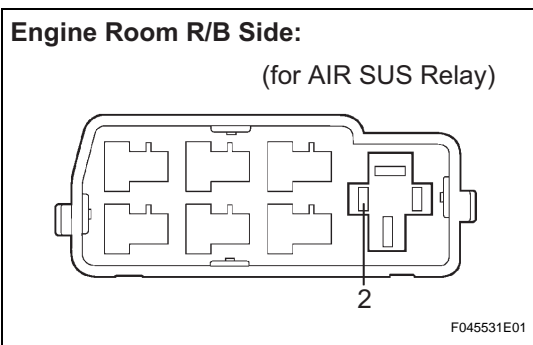
- (a) Disconnect the suspension control ECU S14 connector.
  - (b) Measure the resistance according to the values in the table below.
- Resistance**

Tester Connection	Specified Condition
S14-18 (RC) - 1 (for AIR SUS relay)	Below 1 Ω
S14-18 (RC) - Body ground	10 kΩ or higher

**OK**

**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

**5 CHECK HARNESS AND CONNECTOR (AIR SUS RELAY - BODY GROUND)**



- (a) Measure the resistance according to the values in the table below.
- Resistance**

Tester Connection	Specified Condition
2 (for AIR SUS relay) - Body ground	Below 1 Ω

**SC**

**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPLACE SUSPENSION CONTROL ECU