

DTC	C1751 / 51	AHC Pump & Motor Circuit
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CIRCUIT DESCRIPTION

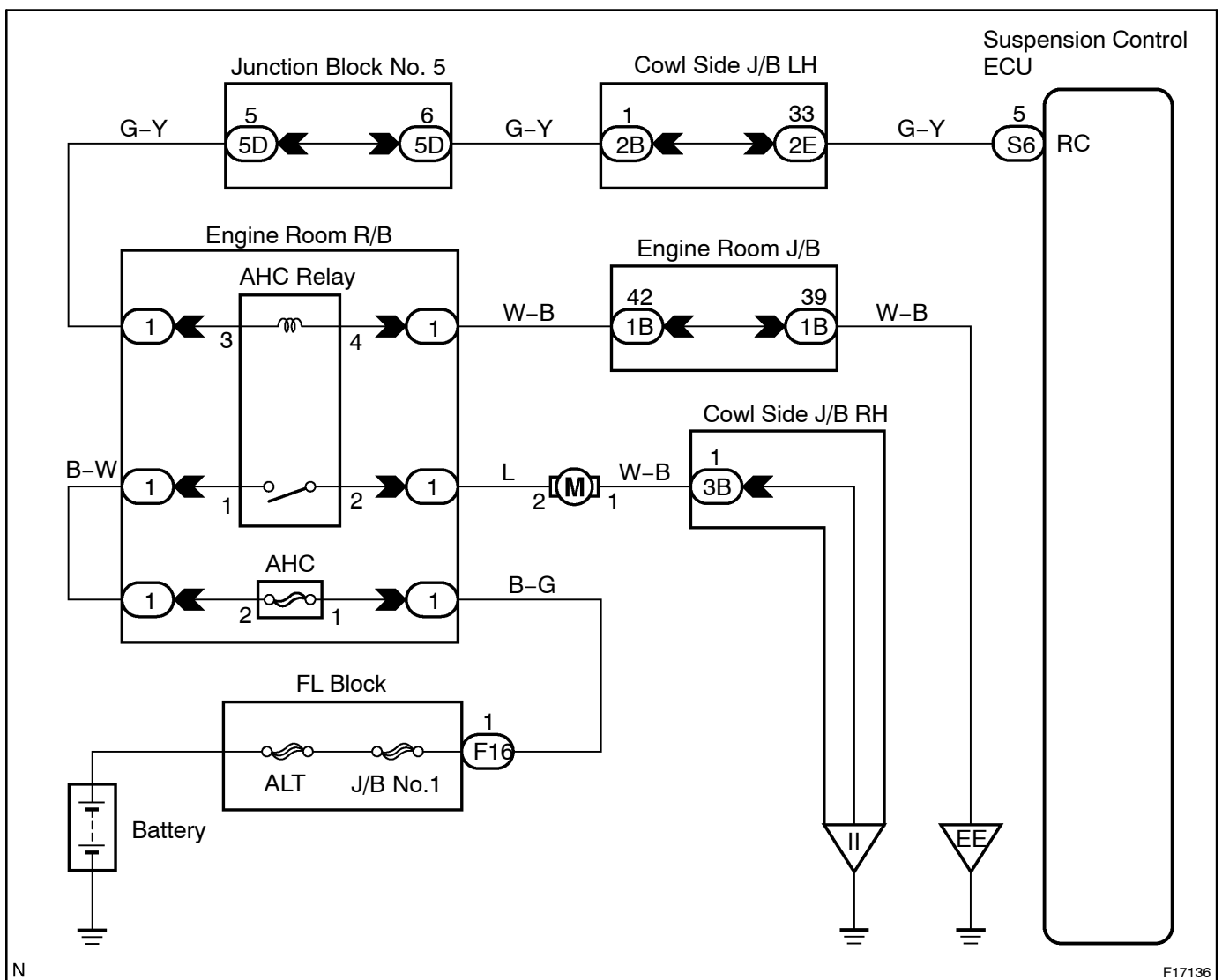
In case that the height control has not consisted in spite of performing the raise control for a certain period of time, the ECU interrupts the height control.

DTC No.	DTC Detecting Condition	Trouble Area
C1751 / 51	When the rise control completion condition has not consisted in spite of turning on electricity to the relay for the following period of time LO → N: 85 seconds N → HI: 100 seconds	• AHC pump & motor • AHC pump & motor circuit • AHC motor relay • Height control sensor link comes off • Fluid leakage from the fluid line or each solenoid valve • Fluid clog in the fluid line or each solenoid valve • Torsion bar spring

Fail safe function:

If trouble occurs, the height control is prohibited after adjusting the vehicle to the standard height in case that the height is higher than the standard or to the lowest wheel of the 4 wheels in case that the height is lower than the standard.

WIRING DIAGRAM



N

F17136

INSPECTION PROCEDURE

1 Check fluid level of the reservoir tank (See page [SA-129](#)).

NG

Fill the reservoir tank with suspension fluid AHC.

OK

2 Check fluid leakage (See page [SA-130](#)).

NG

Repair or replace the part with fluid leakage.

OK

3 Check that the height control sensor link has not come off.

NO

Repair or replace height control sensor link.

YES

4 Check fluid delivery pressure of the AHC pump motor.

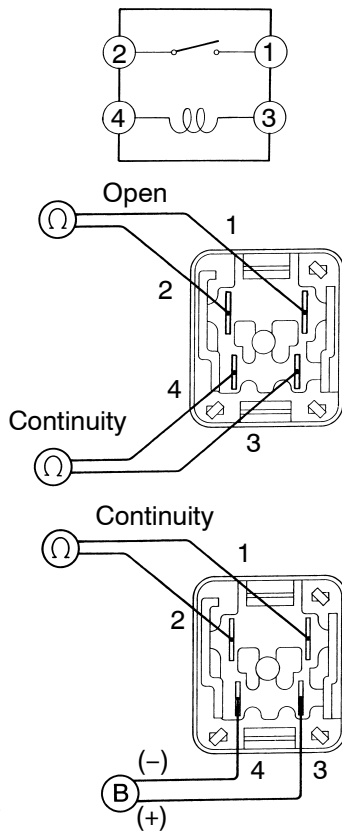
Check that the fluid pressure raises by raising the vehicle height with the height select switch with the same procedure as the torsion bar spring adjustment (See page [SA-138](#)).

NG

Replace AHC pump motor.

OK

5 Check AHC motor relay.



BE1840
R15257
R15258

F00044

PREPARATION:

Remove the AHC motor relay from Engine Room J/B.

CHECK:

Check continuity between each pair of terminal of motor relay.

OK:

Terminals 3 and 4	Continuity (Reference value 62 Ω)
Terminals 1 and 2	Open

CHECK:

- (a) Apply battery positive voltage between terminals 3 and 4.
- (b) Check continuity between terminals 1 and 2.

OK:

Terminals 1 and 2	continuity
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NG

Replace AHC motor relay.

OK

6 Check for open and short circuit in harness and connector between AHC pump motor and suspension control ECU, AHC motor relay and battery (See page [IN-36](#)).

NG

Repair or replace harness or connector.

OK

Clear the DTC (See page [DI-336](#)).