DTC	C0273/13	OPEN CIRCUIT IN ABS MOTOR RELAY CIRCUIT

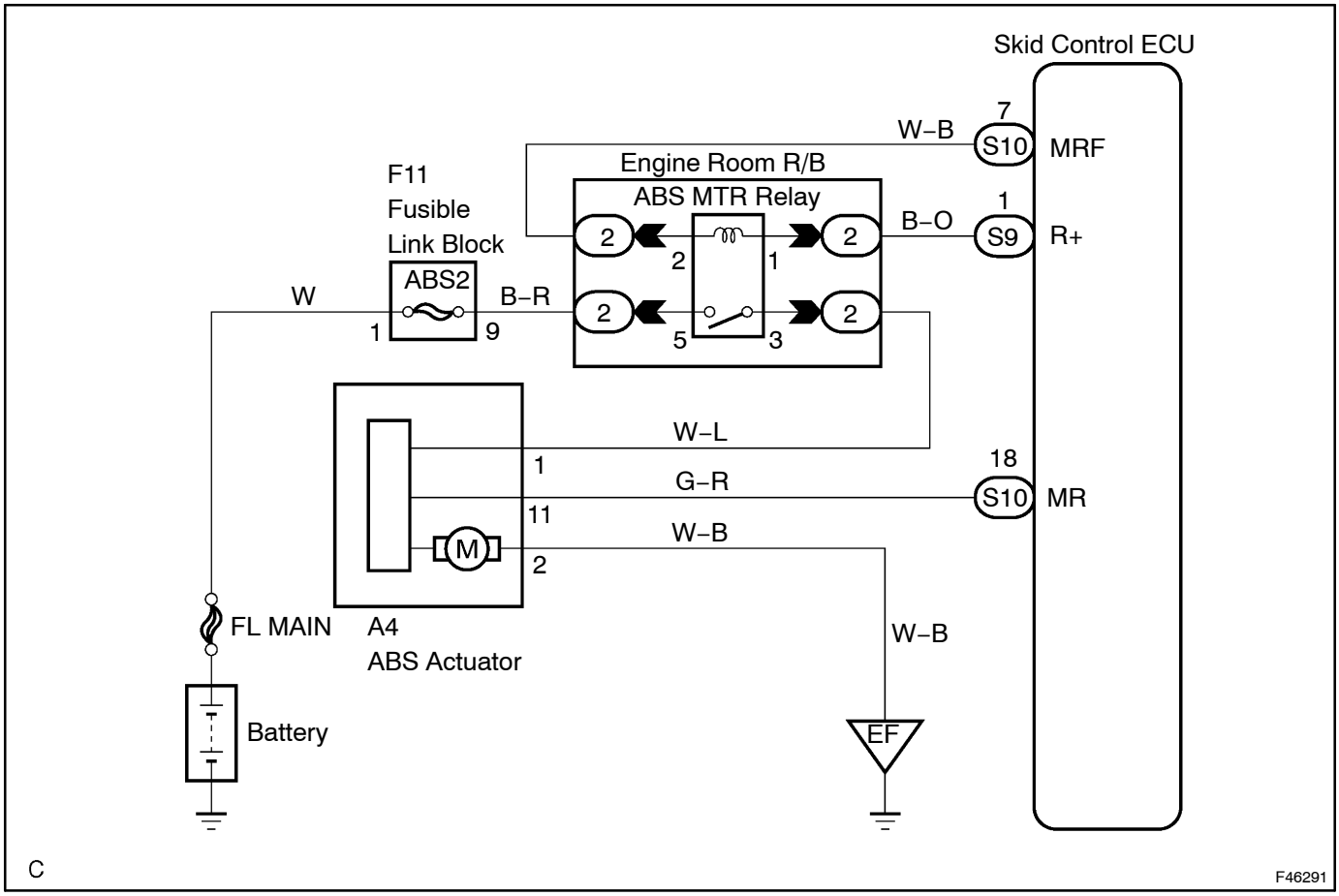
DTC	C0274/14	B+ SHORT CIRCUIT IN ABS MOTOR RELAY CIRCUIT

CIRCUIT DESCRIPTION

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

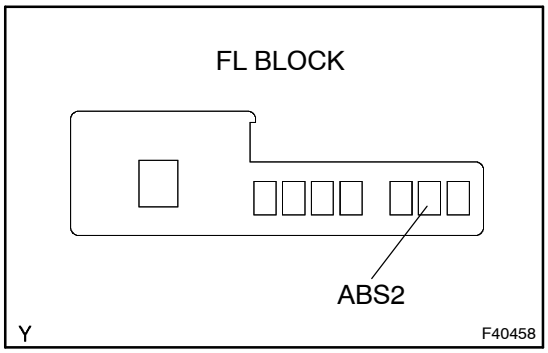
DTC No.	DTC Detecting Condition	Trouble Area
C0273/13	With IG1 voltage 10V or below during initial check or ABS control, pump motor relay is turned ON, and relay contact is not ON for 0.2 sec. or longer.	• ABS motor relay • ABS motor relay circuit
C0274/14	When pump motor relay is turned OFF, relay contact is ON for 3 sec. or longer.	

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT FUSE(ABS2 FUSE OF FL BLOCK)



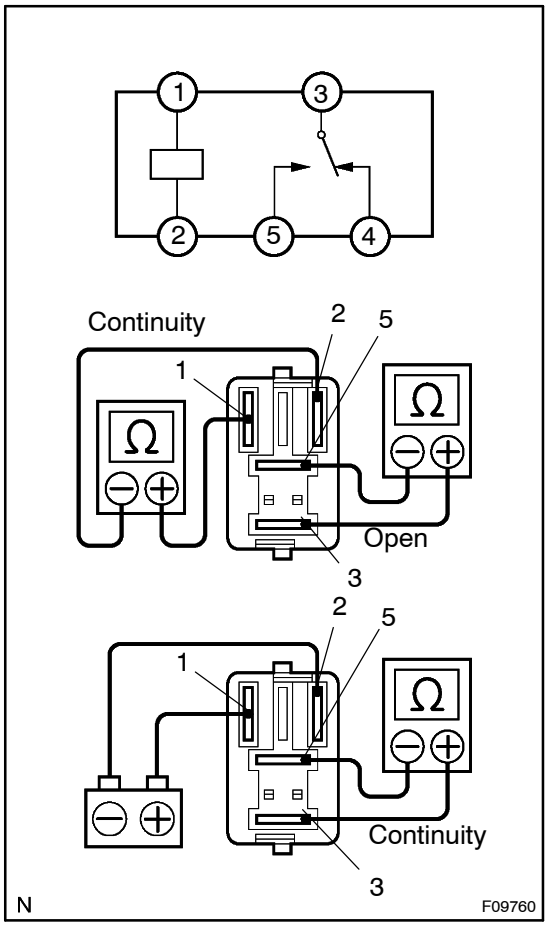
(a) Remove ABS2 fuse from the FL BLOCK.
(b) Check continuity of ABS2 fuse.
Standard:

ABS No.1 fuse	Below 1Ω (Continuity)

NG → **REPLACE CHECK FOR SHORT IN ALL HARNESS AND CONNECTOR CONNECTED TO FUSE AND REPLACE FUSE**

OK

2 INSPECT ABS MOTER RELAY



(a) Check continuity between each terminal of ABS motor relay.
Standard:

Terminals 1 and 2	Continuity (Reference value 62 Ω)
Terminals 3 and 5	10 kΩ or higher

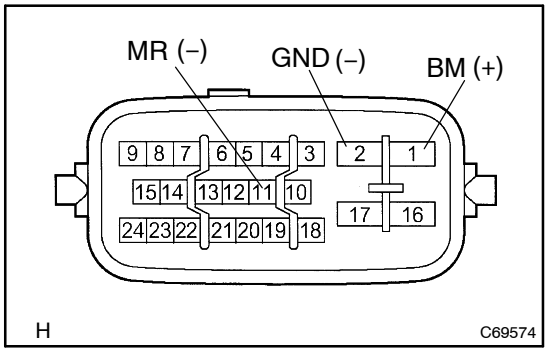
(b) Apply battery positive voltage between terminals 1 and 2.
(c) Check continuity between terminals 3 and 5 of ABS motor relay.
Standard:

Terminals 3 and 5	Below 1Ω

NG → **REPLACE ABS MOTER RELAY**

OK

3	INSPECT BRAKE ACTUATOR ASSY



(a) Disconnect the connector from the brake actuator.

(b) Connect the positive (+) lead from the battery to BM (1) terminal and negative (–) lead to GND (2) and MR (11) terminal of the brake actuator, check that the pump motor is operated.

OK:

The running sound of the pump motor should be heard.

NG	REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32–40)

OK

4	CHECK HARNESS AND CONNECTOR(BRAKE ACTUATOR ASSY – SKID CONTROL ECU) (SEE PAGE 01–33)

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE SKID CONTROL ECU ASSY (SEE PAGE 32–54)