DTC	C0226/21	SFR SOLENOID CIRCUIT

DTC	C0236/22	SFL SOLENOID CIRCUIT

DTC	C0246/23	SRR SOLENOID CIRCUIT

DTC	C0256/24	SRL SOLENOID CIRCUIT

DTC	C1225/25	SM SOLENOID CIRCUIT

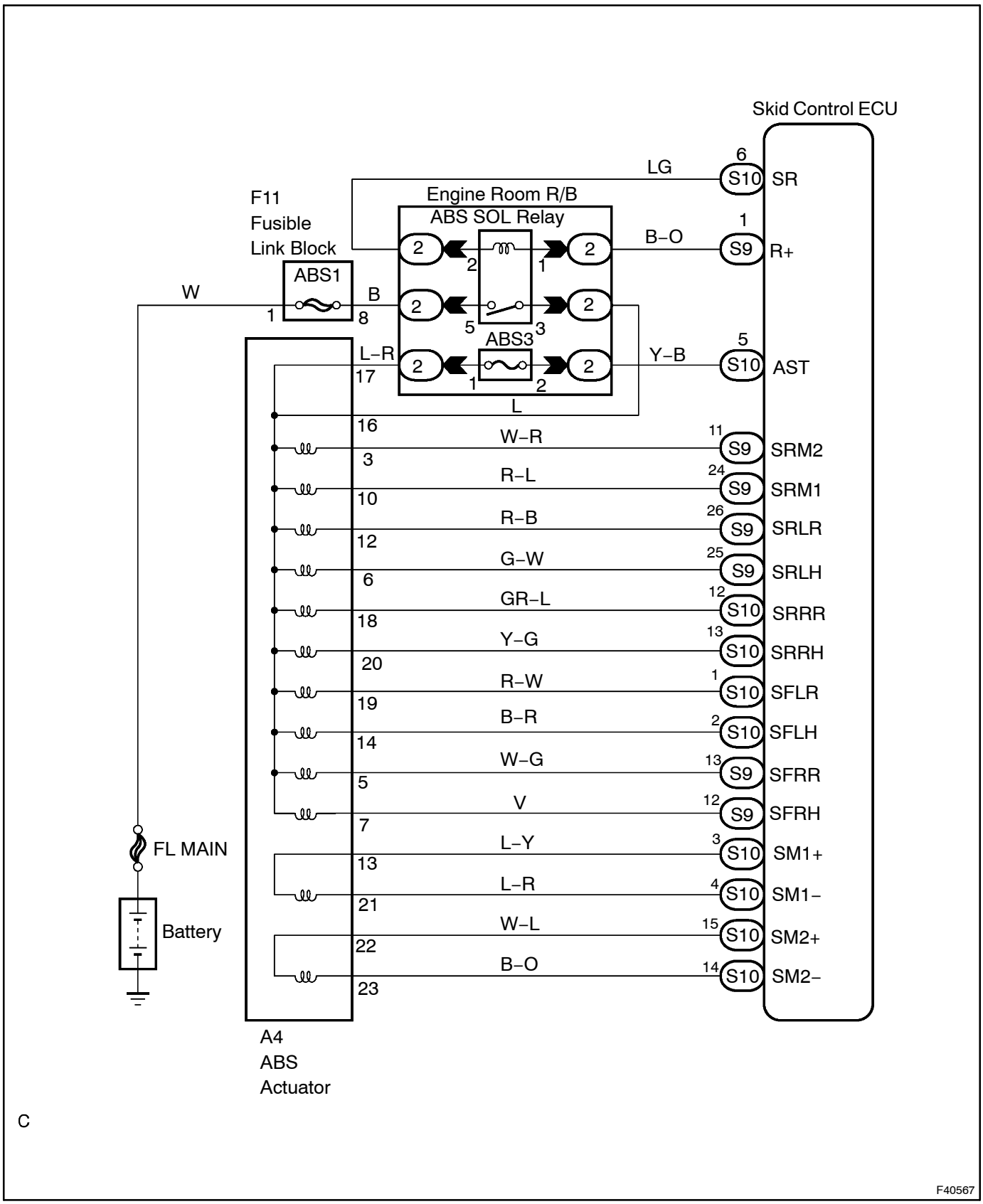
DTC	C1226/26	SRM SOLENOID CIRCUIT

CIRCUIT DESCRIPTION

This solenoid goes on when signals are received from the ECU and controls the pressure acting on the wheel cylinders thus controlling the braking force.

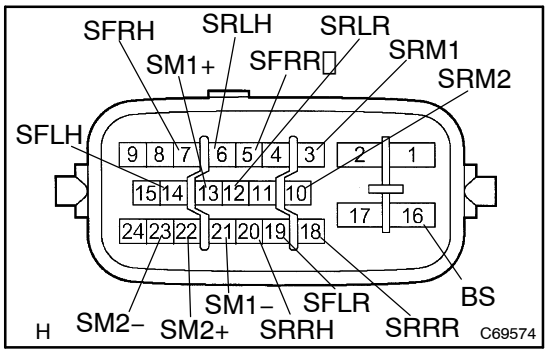
DTC No.	DTC Detecting Condition	Trouble Area
C0226/21 C0236/22 C0246/23 C0256/24 C1225/25 C1226/26	Detection of any condition in 1. and 2.: 1. With IG1 terminal voltage at 10V – 16V, solenoid circuit is open or short circuit for 0.05 sec. or longer. 2. With IG1 terminal voltage at 10V – 16V, during ABS control solenoid relay contact is OFF for 0.05 sec. or longer.	• Each solenoid valve circuit • Brake actuator

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT BRAKE ACTUATOR ASSY



(a) Disconnect the brake actuator connector.

(b) Measure resistance between terminal BS(16) and terminals SFRH(7), SFLH(14), SRRH(20), SRLH(6), SFRR(5), SFLR(19), SRRR(18) and SRLR(12) of brake actuator.

Standard:

Tester Connection	Specified Condition
SFRH (7) – BS (16)	8.3 to 9.3 Ω
SFLH (14) – BS (16)	8.3 to 9.3 Ω
SRRH (20) – BS (16)	8.3 to 9.3 Ω
SRLH (6) – BS (16)	8.3 to 9.3 Ω
SFRR (5) – BS (16)	4.0 to 4.6 Ω
SFLR (19) – BS (16)	4.0 to 4.6 Ω
SRRR (18) – BS (16)	4.0 to 4.6 Ω
SRLR (12) – BS (16)	4.0 to 4.6 Ω

(c) Check continuity between terminals SM1+ (13) – SM1– (21), and terminals SM2+ (22) – SM2– (23) of brake actuator.

Standard:

Tester Connection	Specified Condition
SM1+ (13) – SM1– (21)	8.3 to 9.3 Ω
SM2+ (22) – SM2– (23)	8.3 to 9.3 Ω

(d) Check continuity between terminal BS(16) and terminals SRM1(3) and SRM2(10) of brake actuator.

Standard:

Tester Connection	Specified Condition
SRM1 (3) – BS (16)	6.2 to 6.8 Ω
SRM2 (10) – BS (16)	6.2 to 6.8 Ω

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

OK

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

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

3	CHECK SKID CONTROL ECU TERMINAL VOLTAGE (SR TERMINAL)

(a) Remove the skid control ECU with connectors still connected.
(b) Turn the ignition switch ON, measure between terminal SR and GND.
Standard:
1 V or less

OK → **CHECK AND REPAIR HARNESS AND ABS SOLENOID RELAY**

NG

4	CHECK RECONFIRM DTC

A	Malfunction Code
B	Normal Code

B → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–130)**

A

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