DTC	C0226/21	SFR SOLENOID CIRCUIT

DTC	C0236/22	SFL SOLENOID CIRCUIT

DTC	C0246/23	SRR SOLENOID CIRCUIT

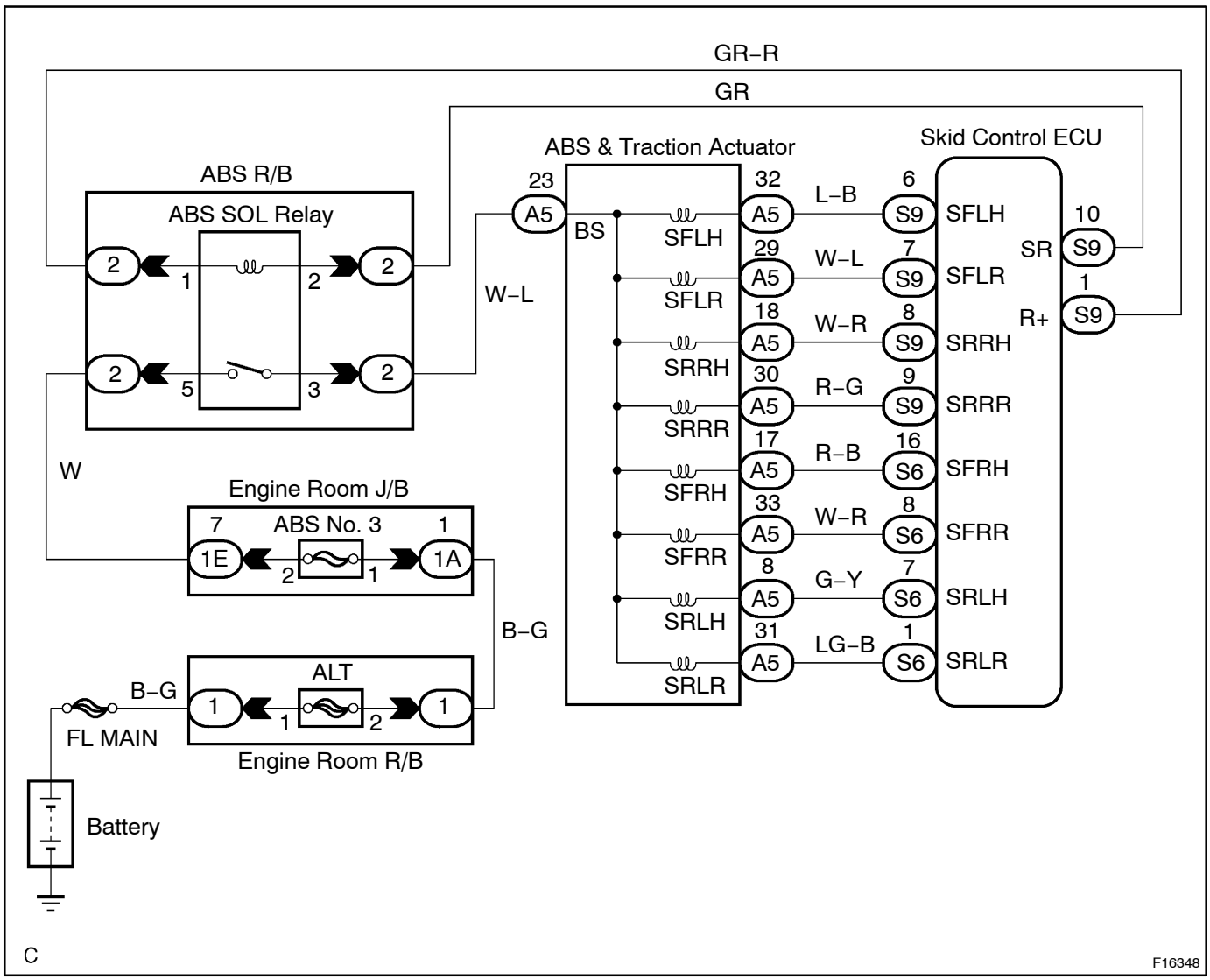
DTC	C0256/24	SRL SOLENOID CIRCUIT

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.

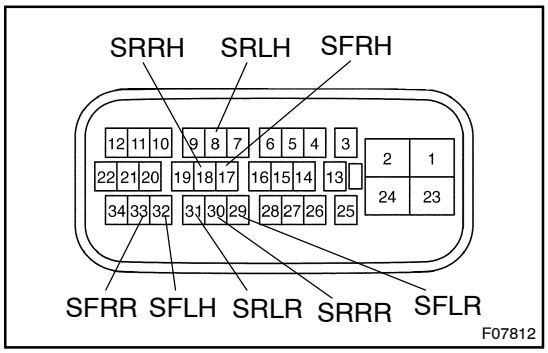
DTC No.	DTC Detecting Condition	Trouble Area
C0226/21	• Open or short in SFRH or SFRR circuit for 0.05 sec. or more. • IG1 terminal voltage of skid control ECU is 9.5 – 18.5 V, and while ABS is control in operation, there is solenoid relay contact OFF for 0.05 sec. or longer.	• ABS & Traction actuator • SFRH or SFRR circuit
C0236/22	• Open or short in SFLH or SFLR circuit for 0.05 sec. or more. • IG1 terminal voltage of skid control ECU is 9.5 – 18.5 V, and while ABS is control in operation, there is solenoid relay contact OFF for 0.05 sec. or longer.	• ABS & Traction actuator • SFLH or SFLR circuit
C0246/23	• Open or short in SRRH or SRRR circuit for 0.05 sec. or more. • IG1 terminal voltage of skid control ECU is 9.5 – 18.5 V, and while ABS is control in operation, there is solenoid relay contact OFF for 0.05 sec. or longer.	• ABS & Traction actuator • SRRH or SRRR circuit
C0256/24	• Open or short in SRLH or SRLR circuit for 0.05 sec. or more. • IG1 terminal voltage of skid control ECU is 9.5 – 18.5 V, and while ABS is control in operation, there is solenoid relay contact OFF for 0.05 sec. or longer.	• ABS & Traction actuator • SRLH or SRLR circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT ABS & TRACTION ACTUATOR ASSY(SFRH, SFLH, SRRH, SRLH, SFRR, SFLR, SRRR, SRLR SOLENOID)



(a) Disconnect the actuator connector.
(b) Check continuity between terminal BS and terminals SFRH, SFLH, SRRH, SRLH, SFRR, SFLR, SRRR and SRLR of actuator.
OK: Continuity

HINT:
Resistance of each solenoid
SFRH, SFLH, SRRH, SRLH: 8.1 – 9.1 Ω
SFRR, SFLR, SRRR, SRLR: 4.0 – 4.6 Ω

NG → **REPLACE ABS & TRACTION ACTUATOR ASSY**

OK

2	CHECK HARNESS AND CONNECTOR(ABS & TRACTION ACTUATOR ASSY – SKID CONTROL ECU ASSY)(See page 01–31)

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.
OK: 1V or less

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

OK

4	RECONFIRM DTC(See page 05–511)

A	Malfunction Code
B	Normal Code

B → **END**

A

5	CHECK CONTACT CONDITION(EACH CONNECTION)

NG → CHECK AND REPAIR HARNESS AND CONNECTOR

OK

CHECK AND REPLACE SKID CONTROL ECU ASSY