DTC	C0226/21	SFR SOLENOID CIRCUIT

DTC	C0236/22	SFL SOLENOID CIRCUIT

DTC	C0246/23	SRR SOLENOID CIRCUIT

DTC	C0256/24	SRL SOLENOID CIRCUIT

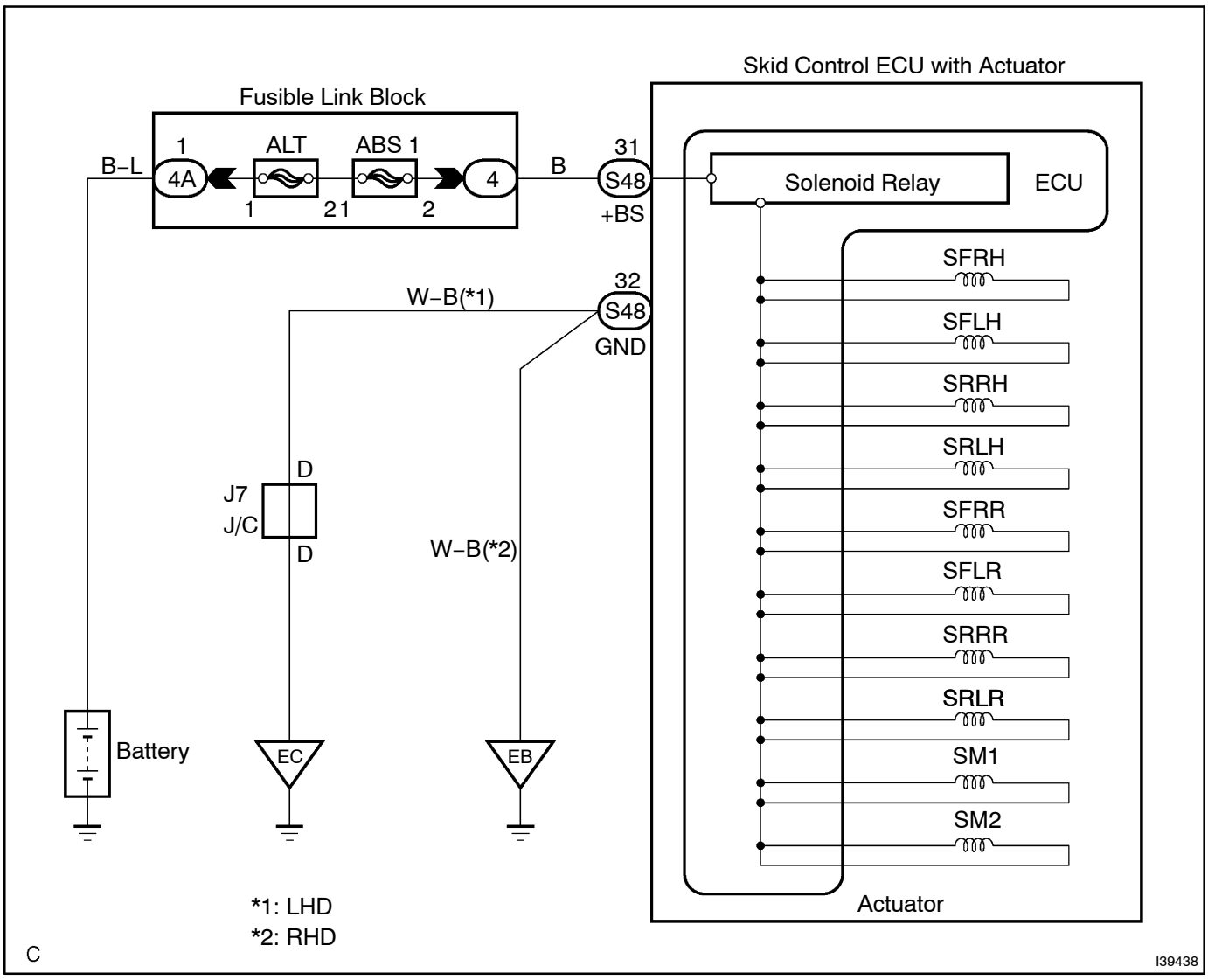
DTC	C1225/25	SM SOLENOID CIRCUIT

CIRCUIT DESCRIPTION

This solenoid turns on when signals are received from the ECU and controls the pressure acting on the wheel cylinders to control the braking force.

DTC No.	DTC Detecting Condition	Trouble Area
C0226/21	Open or short circuit in front right solenoid circuit (SFRR or SFRH) continues for 0.05 sec. or more.	• ABS & TRC actuator • SFRR or SFRH solenoid circuit
C0236/22	Open or short circuit in front left solenoid circuit (SFLR or SFLH) continues for 0.05 sec. or more.	• ABS & TRC actuator • SFLR or SFLH solenoid circuit
C0246/23	Open or short circuit in rear right solenoid circuit (SRRR or SRRH) continues for 0.05 sec. or more.	• ABS & TRC actuator • SRRR or SRRH solenoid circuit
C0256/24	Open or short circuit in rear left solenoid circuit (SRLR or SRLH) continues for 0.05 sec. or more.	• ABS & TRC actuator • SRLR or SRLH solenoid circuit
C1225/25	When any of the following (1 to 5) is detected: (1) All of the following conditions continue for at least 0.05 seconds. • When switching solenoid (SM1 or SM2) outputs ON signal. • Over current. (2) All of the following conditions continue for at least 0.05 seconds. • When switching solenoid (SM1 or SM2) outputs OFF signal. • Open circuit. (3) All of the following conditions continue for at least 0.05 seconds. • When switching solenoid (SM1 or SM2) outputs OFF signal. • Output current monitor is more than 0.15 A. (4) All of the following conditions continue for at least 0.05 seconds. • When switching solenoid (SM1 or SM2) outputs ON signal. • Output current is more than 0.348 A. • Difference between current monitor and target value exceeds 2, continues for between 0.1 sec. and 0.15 sec. (5) All of the following conditions continue for at least 0.2 seconds. • When switching solenoid (SM1 or SM2) outputs ON signal. • Output current is more than 0.348 A. 1. More than 2.08 2. Less than 0.48	• ABS & TRC actuator • SM1 or SM2 circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1	RECONFIRM DTC

HINT:
This code is detected when a problem is determined in the brake actuator assy.
The solenoid circuit is in the brake actuator assy.
Therefore, solenoid circuit inspection and solenoid unit inspection cannot be performed. Be sure to check if the DTC code is output before replacing the brake actuator assy.

(a) Clear the DTC (see page 05–400).
(b) Start the engine.
(c) Drive the vehicle at the speed of 6 km/h (4 mph) or more.
(d) Check that the same DTC is recorded.

OK:

The same DTC is recorded.

NG → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–395)**

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–53)

NOTICE:
When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05–387).