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	SMC SOLENOID CIRCUIT

DTC	C1226/26	SPC SOLENOID CIRCUIT

DTC	C1227/27	SRC SOLENOID CIRCUIT

DTC	C1228/28	STR SOLENOID CIRCUIT

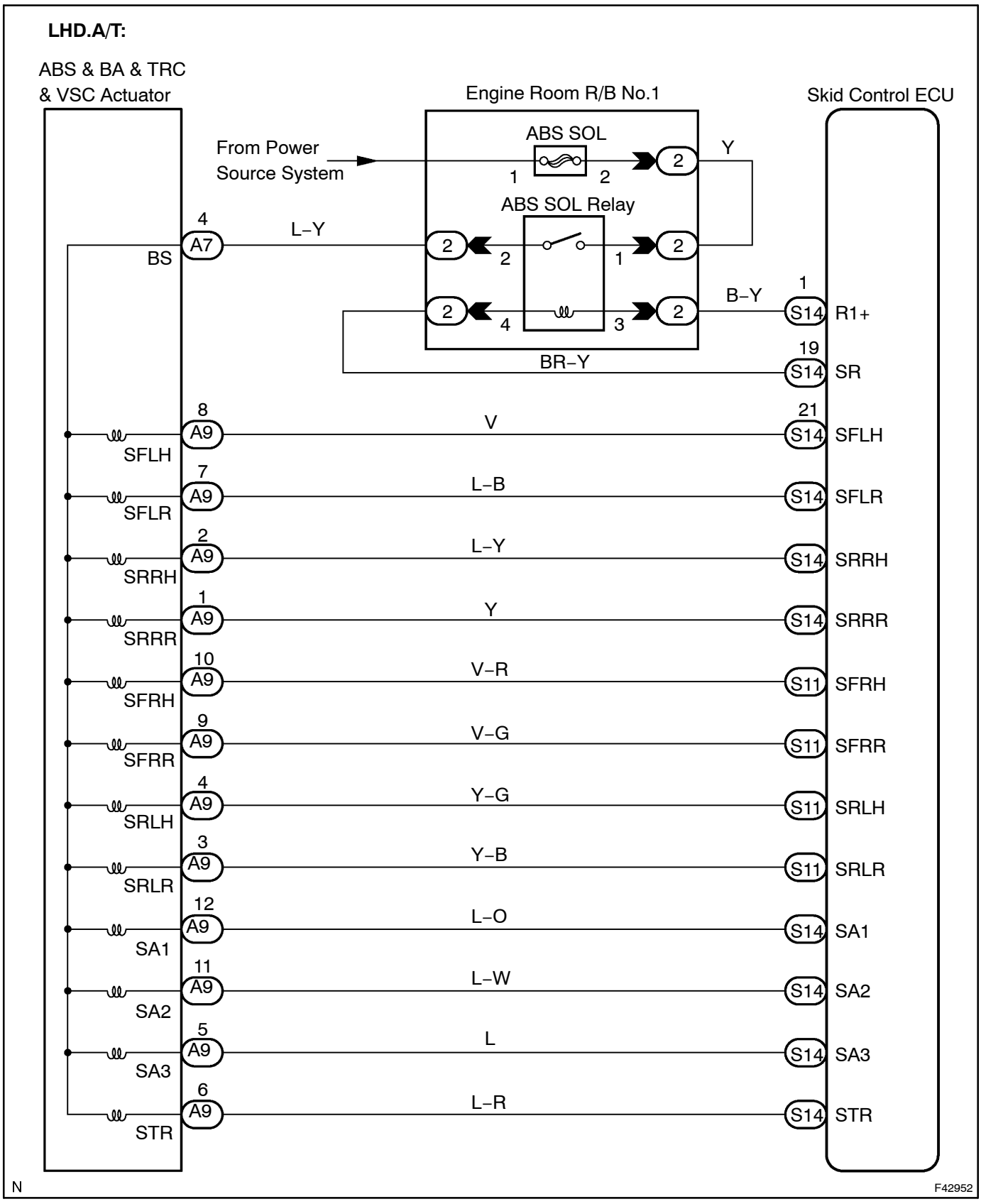
CIRCUIT DESCRIPTION

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

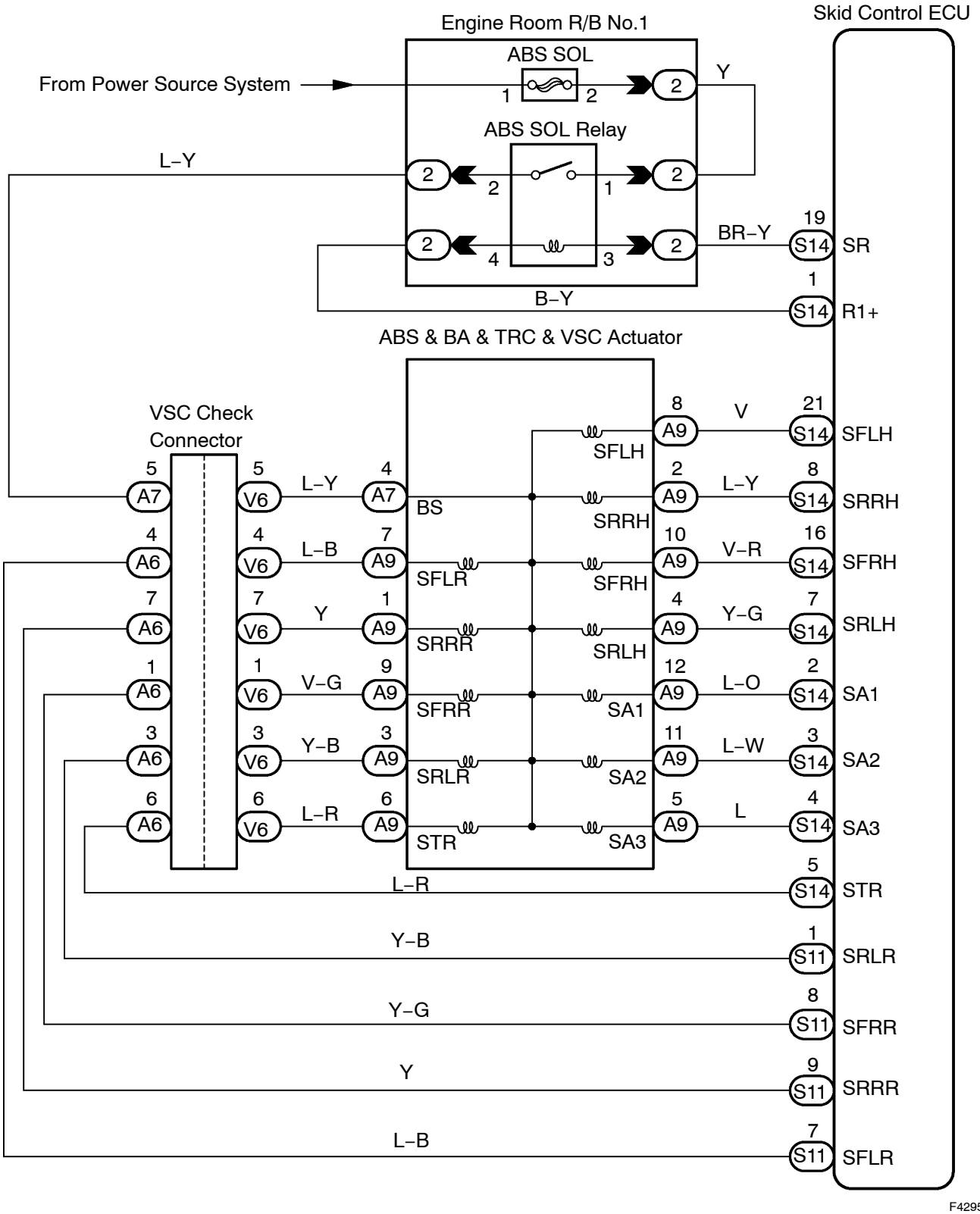
DTC No.	DTC Detecting Condition	Trouble Area
C0226/21	Open or short in SFRH or SFRR circuit for 0.05 sec. or more.	• Brake master cylinder • SFRH or SFRR circuit
C0236/22	Open or short in SFLH or SFLR circuit for 0.05 sec. or more.	• Brake master cylinder • SFLH or SFLR circuit
C0246/23	Open or short in SRRH or SRRR circuit for 0.05 sec. or more.	• Brake master cylinder • SRRH or SRRR circuit
C0256/24	Open or short in SRLH or SRLR circuit for 0.05 sec. or more.	• Brake master cylinder • SRLH or SRLR circuit
C1225/25	Open or short in SMC (SA1) circuit for 0.05 sec. or more.	• Brake master cylinder • SMC (SA1) circuit
C1226/26	Open or short in SPC (SA2) circuit for 0.05 sec. or more.	• Brake master cylinder • SPC (SA2) circuit
C1227/27	Open or short in SRC (SA3) circuit for 0.05 sec. or more.	• Brake master cylinder • SRC (SA3) circuit
C1228/28	Open or short in STR circuit for 0.05 sec. or more.	• Brake master cylinder • STR circuit

WIRING DIAGRAM

LHD.A/T:

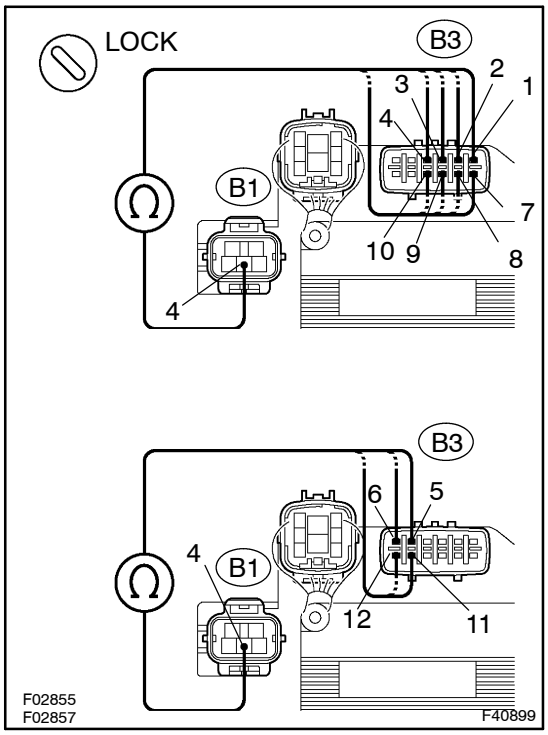


LHD.M/T & RHD:


Skid Control ECU
Engine Room R/B No.1
ABS SOL
From Power Source System
Y
ABS SOL Relay
L–Y
BR–Y
19
S14
SR
1
S14
R1+
B–Y
ABS & BA & TRC & VSC Actuator
VSC Check Connector
SFLH
SRRH
BS
SFLR
SFRH
SRRR
SRLH
SFRR
SA1
SRLR
SA2
STR
SA3
8
A9
V
21
S14
SFLH
5
A7
5
V6
L–Y
4
A7
2
A9
L–Y
8
S14
SRRH
4
A6
4
V6
L–B
7
A9
10
A9
V–R
16
S14
SFRH
7
A6
7
V6
Y
1
A9
4
A9
Y–G
7
S14
SRLH
1
A6
1
V6
V–G
9
A9
12
A9
L–O
2
S14
SA1
3
A6
3
V6
Y–B
3
A9
11
A9
L–W
3
S14
SA2
6
A6
6
V6
L–R
6
A9
5
A9
L
4
S14
SA3
5
S14
STR
L–R
1
S11
SRLR
Y–B
8
S11
SFRR
Y–G
9
S11
SRRR
Y
7
S11
SFLR
L–B
N
F42953

INSPECTION PROCEDURE

1	INSPECT BRAKE MASTER CYLINDER



(a) Disconnect the 2 connectors (B1 and B3) from the brake master cylilnder.

(b) Check continuity between each of terminals B1 – 4 and B3 – 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11and 12 of brake master cylinder connector.

OK:

Continuity

HINT:

Resistance of each solenoid at 20 °C (68 °F)

SFRH, SFLH, SRRH, SRLH, SA3: 7.0 – 7.4 Ω

SFRR, SFLR, SRRR, SRLR: 2.00 – 2.40 Ω

SA1, SA2, STR: 4.1 – 4.5 Ω

NG → **REPLACE BRAKE MASTER CYLINDER**

OK

2	CHECK HARNESS AND CONNECTOR(BRAKE MASTER CYLINDER – SKID CONTROL ECU)

(a) Check for open and short circuit in harness and connector between each solenoid and skid control ECU (See page 01–36).

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK EACH CONNECTION IF SAME CODE IS STILL OUTPUT AFTER DTC DELETION (IF NORMAL, THE SKID CONTROL ECU MAY BE DEFECTIVE)