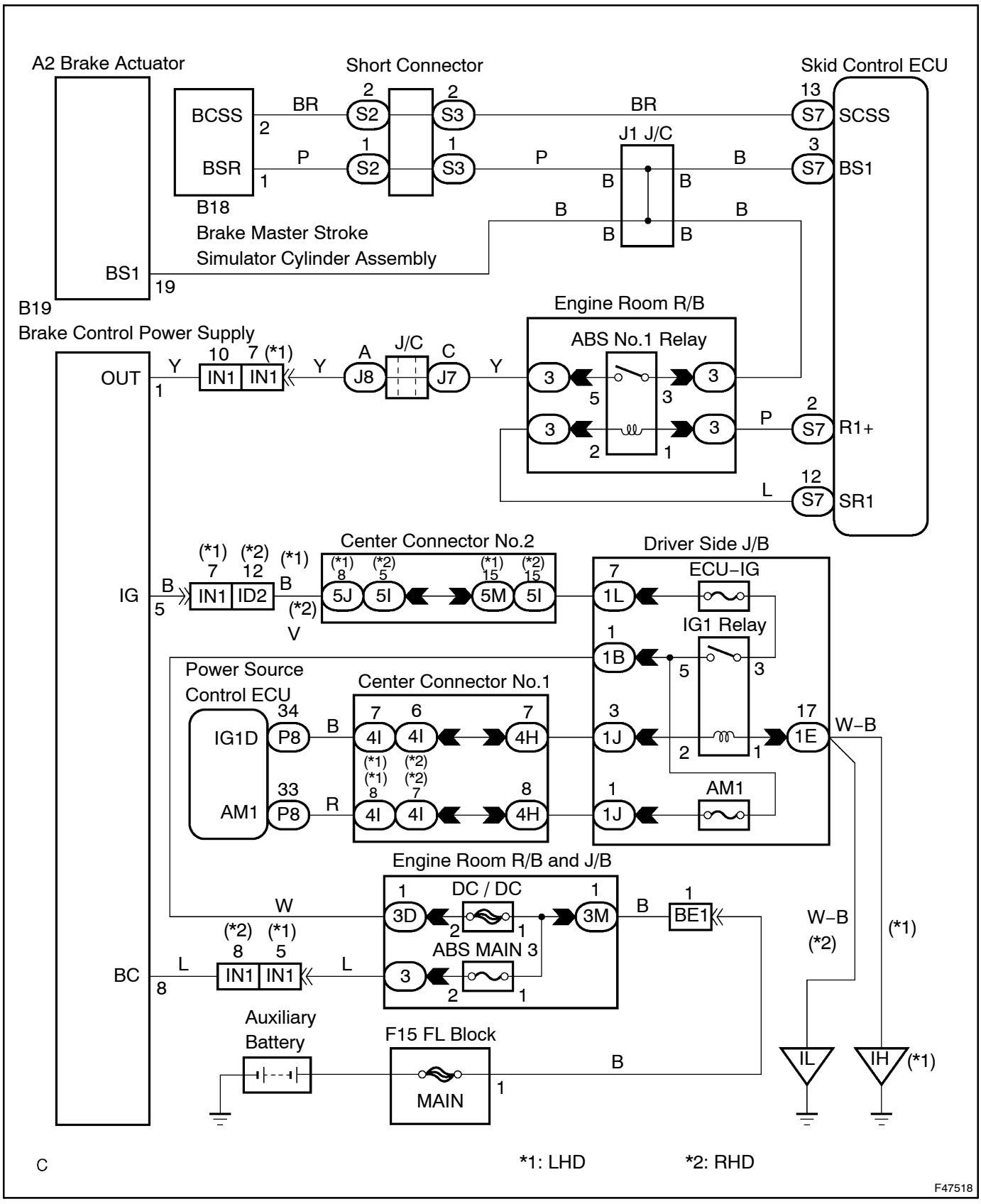
DTC C1319/35 CHANGEOVER SOLENOID MALFUNCTION

CIRCUIT DESCRIPTION

The stroke simulator solenoid (SCSS) generates pedal reactive effort during ECB control. If one of the 4 wheels loses brake booster function, the stroke simulator operation is prohibited.

DTC No.	Detailed Code	DTC Detecting Condition	Trouble Area
C1319/35	71	• SCSS drive circuit is malfunctioning for 0.05 sec. or more. • Short to +B in SCSS.	• Stroke simulator • Skid control ECU • Harness and connector
C1319/35	72	Current leaks for 0.05 sec. or more when SCSS is off.	• Stroke simulator • Skid control ECU • Harness and connector
C1319/35	73	Open circuit in SCSS continues for 0.05 sec. or more.	• Stroke simulator • Skid control ECU • Harness and connector
C1319/35	74	Over current in SCSS continues for 0.05 sec. or more.	• Stroke simulator • Skid control ECU • Harness and connector

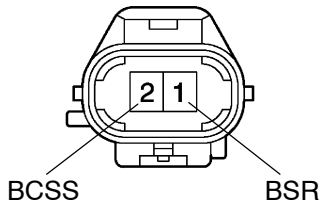
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT BRAKE MASTER STROKE SIMULATOR CYLINDER ASSY

Brake Master Stroke Simulator Cylinder Assy



T F47498

(a) Disconnect brake master stroke simulator cylinder assy connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

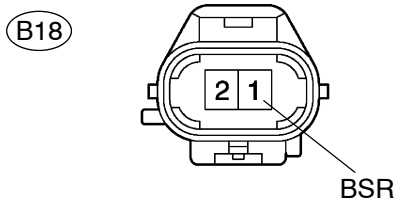
Tester Connection	Specified Condition
1 (BSR) – 2 (BCSS)	22.3 to 38 Ω

NG → **REPLACE BRAKE MASTER STROKE SIMULATOR CYLINDER ASSY**

OK

2 INSPECT BRAKE MASTER STROKE SIMULATOR CYLINDER ASSY(BSR TERMINAL VOLTAGE)

Brake Master Stroke Simulator Cylinder Assy



T F47498

(a) Connect the brake master stroke simulator cylinder assy connector.

(b) Measure the voltage according to the value(s) in the table below.

HINT:

Measure the voltage from the behind the connector with the connector connected.

Standard:

Tester Connection	Condition	Specified Condition
B18–1 (BSR) – Body ground	power switch ON (READY)	10 to 14 V

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

OK

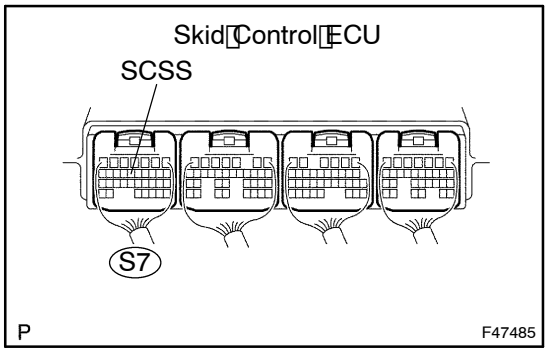
3	INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(SCSS TERMINAL)

(a) Connect the Intelligent tester II to the DLC3.

(b) Select the ACTIVE TEST mode on the Intelligent tester II.

Item	Vehicle Condition / Test Details	Diagnostic Note
Stroke Simulator Cut Valve Pattern	Stroke simulator cut valve pattern activation ON / OFF	Operation of solenoid (clicking sound) can be heard

(c) Using Intelligent tester II, turn the stroke simulator cylinder assy ON/OFF.



(d) Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
S7–13 (SCSS) – Body ground	Brake Master Stroke Simulator Cylinder assy ON	Below 1.5 V
S7–13 (SCSS) – Body ground	Brake Master Stroke Simulator Cylinder assy OFF	10 to 14 V

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

OK

REPLACE SKID CONTROL ECU ASSY (SEE PAGE 32–81 or 32–82)

NOTICE:
When replacing the skid control ECU assy, perform initialization of linear solenoid valve and calibration (see page 05–721).