

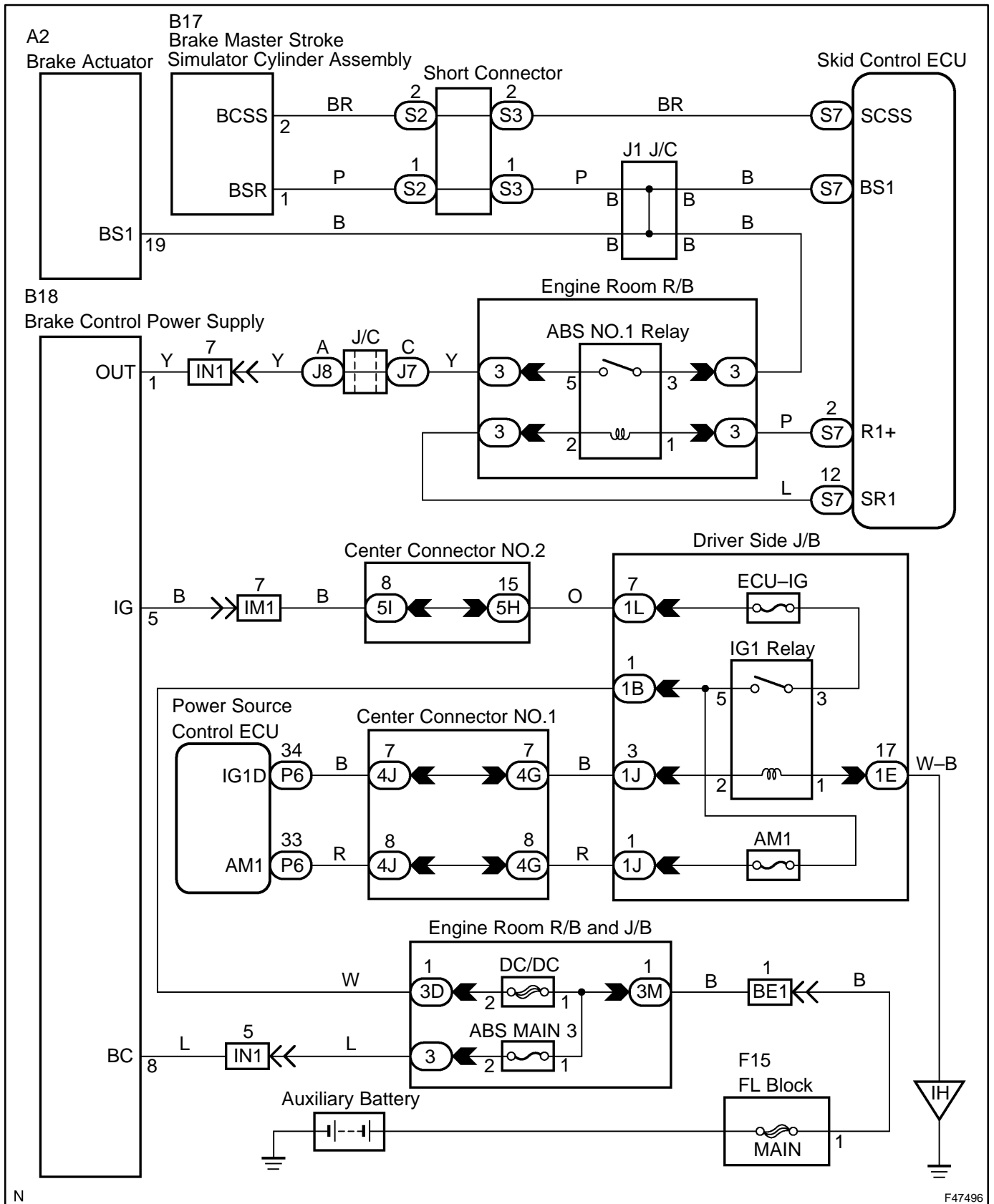
DTC	C1319/35	CHANGEOVER SOLENOID MALFUNCTION
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CIRCUIT DESCRIPTION

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	<ul style="list-style-type: none"> • SCSS drive circuit is malfunctioning for 0.05 sec. or more. • Short to +B in SCSS. 	<ul style="list-style-type: none"> • Stroke simulator • Skid control ECU • Harness and connector
C1319/35	72	Current leaks for 0.05 sec. or more when SCSS is off.	<ul style="list-style-type: none"> • Stroke simulator • Skid control ECU • Harness and connector
C1319/35	73	Open circuit in SCSS continues for 0.05 sec. or more.	<ul style="list-style-type: none"> • Stroke simulator • Skid control ECU • Harness and connector
C1319/35	74	Over current in SCSS continues for 0.05 sec. or more.	<ul style="list-style-type: none"> • Stroke simulator • Skid control ECU • Harness and connector

WIRING DIAGRAM

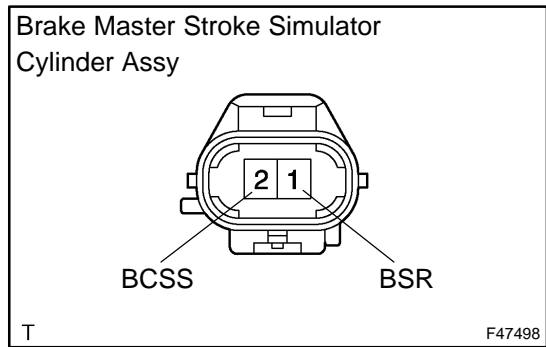


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INSPECTION PROCEDURE

1 INSPECT BRAKE MASTER STROKE SIMULATOR CYLINDER ASSY



- (a) Disconnect brake master stroke simulator cylinder assy connector.
- (b) Measure the resistance according to the value(s) in the table below.

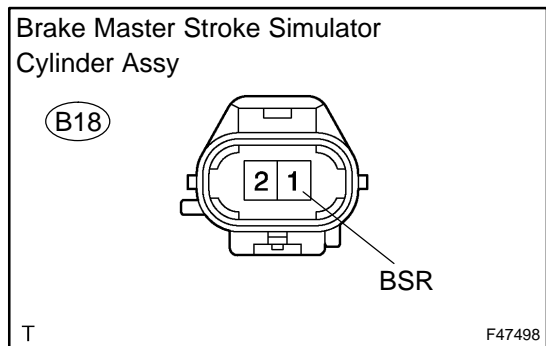
Standard:

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)



- (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
B17-1 (BSR) - Body ground	Power switch ON (READY)	10 to 14 V

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

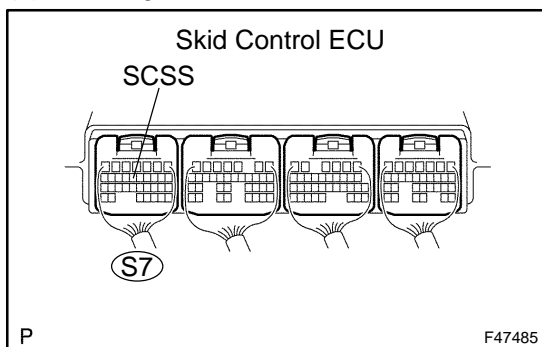
OK

3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(SCSS TERMINAL)

- (a) Connect the hand-held tester to the DLC3.
- (b) Select the ACTIVE TEST mode on the hand-held tester.

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

- (c) Using hand-held tester, 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 CONNECTOR** **REPLACE HARNESS OR**

OK

REPLACE SKID CONTROL ECU ASSY (SEE PAGE 32-68)

NOTICE:

When replacing the skid control ECU assy, perform initialization of linear solenoid valve and calibration (see page 05-958).