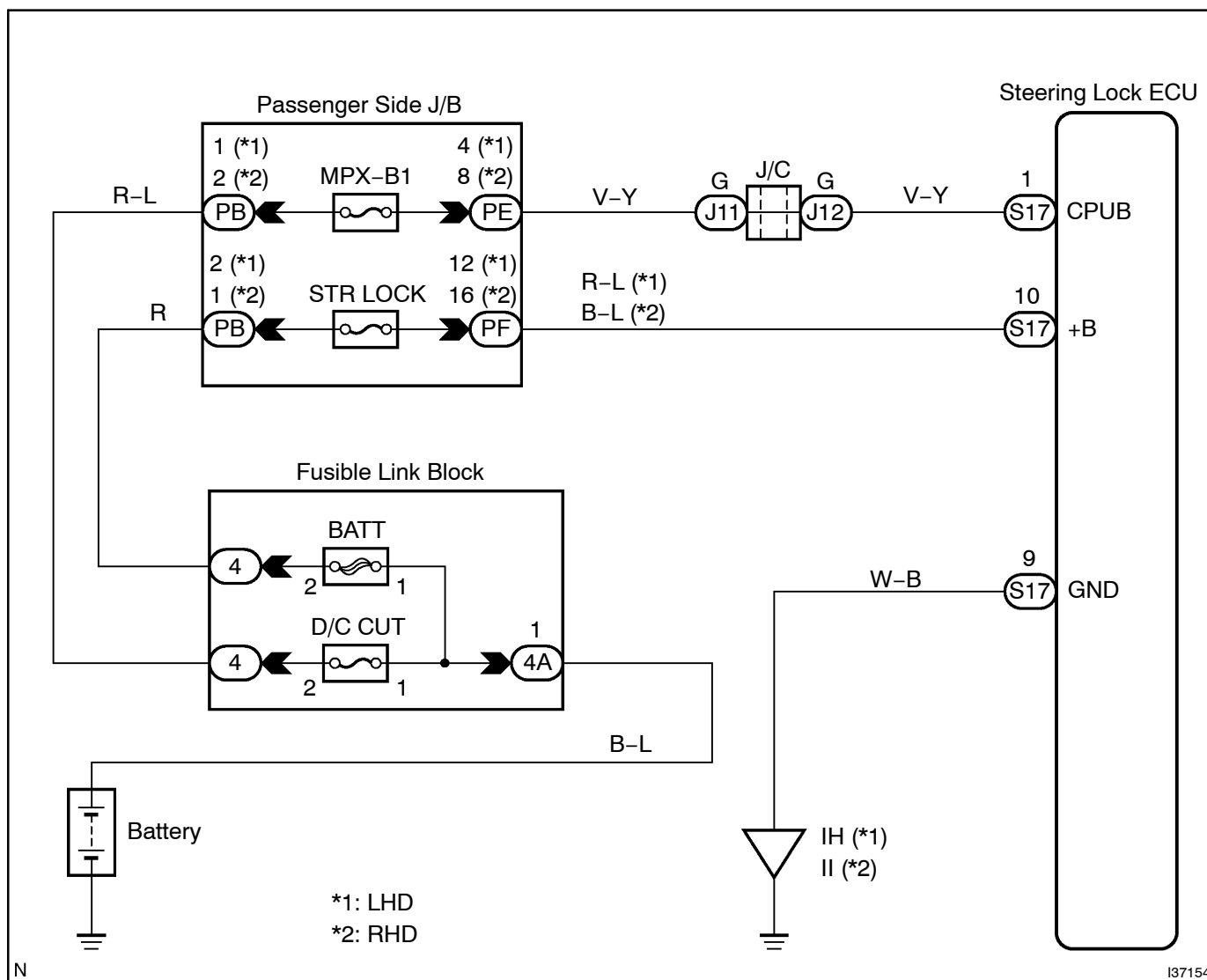| DTC | B2777 | +B CIRCUIT MALFUNCTION |

CIRCUIT DESCRIPTION

The steering lock ECU has two power sources: one is to activate the CPU and the other is to activate motors and other related components.

When power is not applied to +B terminal with power applied to CPUB terminal, this DTC is detected.
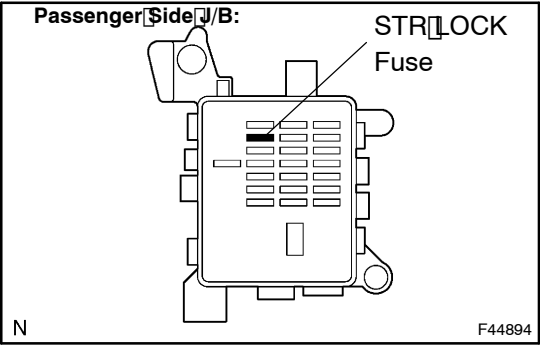
DTC No.	DTC Detecting Condition	Trouble Area
B2777	When power is applied to CPUB terminal, power is not applied to +B terminal.	• STR LOCK Fuse • Wire harness

WIRING DIAGRAM

Passenger Side J/B

1 (*1)
2 (*2)   MPX–B1   4 (*1)
8 (*2)

R–L   PB   PE   V–Y   G J/C G   V–Y   1   CPUB
                                   J11   J12   S17

2 (*1)   12 (*1)
1 (*2)   STR LOCK   16 (*2)   R–L (*1)
                                    B–L (*2)
R   PB   PF   10   +B
                                                  S17

Steering Lock ECU

Fusible Link Block

BATT
4   1
2 1

D/C CUT   1
4   1   4A
2 1

9   GND
W–B   S17

B–L

Battery

IH (*1)
II (*2)

*1: LHD
*2: RHD

N   I37154

INSPECTION PROCEDURE

1	INSPECT FUSE(STR LOCK FUSE)

Passenger Side J/B:

STR LOCK Fuse

N   F44894

(a) Remove the STR LOCK fuse from the passenger side J/B.
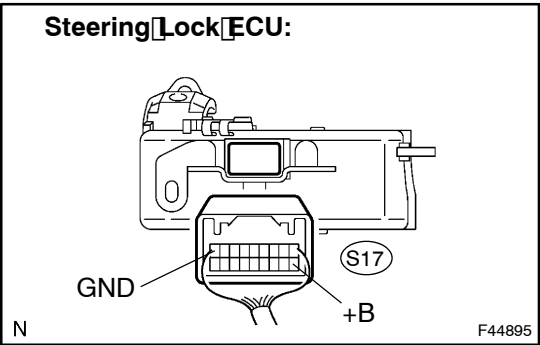(b) Check for continuity of the STR LOCK fuse.
Standard: Continuity

NG	INSPECT FOR SHORT IN ALL COMPONENTS CONNECTED TO FUSE AND REPAIR OR REPLACE THEM IF NEEDED, AND REPLACE FUSE

OK

2	INSPECT STEERING LOCK ECU(+B TERMINAL VOLTAGE)

Steering Lock ECU:

GND

(S17)

+B

N   F44895

(a) Disconnect the S17 connector from the steering lock ECU.
(b) Measure the voltage according to the value(s) in the table below.
Standard:

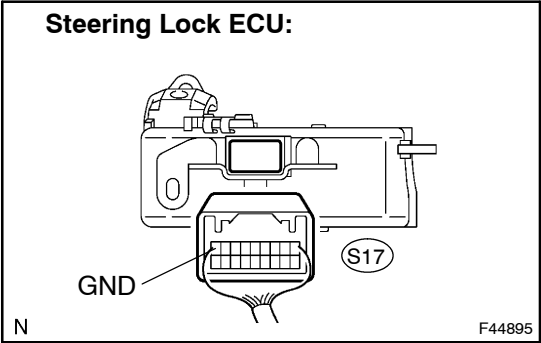| Tester connection (Symbols)	Condition	Specified condition
S17–10 – S17–9 (+B – GND)	Always	10 to 14 V

OK	REPLACE STEERING LOCK ECU (SEE PAGE 50–26)

HINT:
Steering lock ECU is provided with the steering lock actuator.

NG

3	CHECK HARNESS AND CONNECTOR(STEERING LOCK ECU – BODY GROUND)

Steering Lock ECU:

GND

N   F44895

(a) Disconnect the S17 connector from the steering lock ECU.

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

Standard:

Tester connection (Symbols)	Condition	Specified condition
S17–9 (GND) – Body ground	Always	Below 1 Ω

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR (STEERING LOCK ECU – BODY GROUND)

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR (STEERING LOCK ECU – BATTERY)