

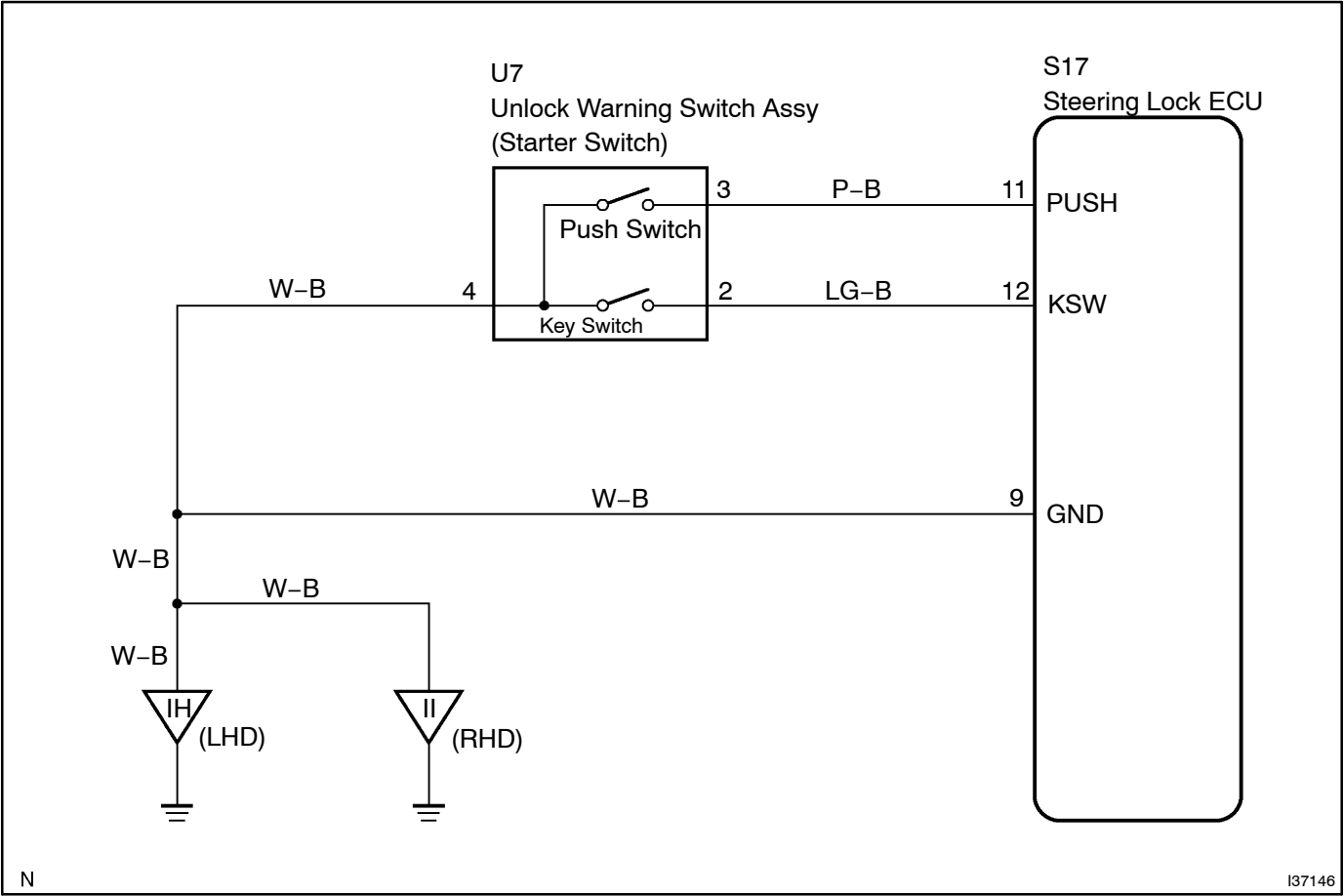
DTC	B2780	PUSH SWITCH/KEY UNLOCK WARNING SWITCH MALFUNCTION
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CIRCUIT DESCRIPTION

This DTC is detected when the steering lock ECU does not detect the "on" condition of the push switch or the key switch even when the starter switch is on. (In normal condition, either the push switch or the key switch should be on when the starter switch is on.)

DTC No.	DTC Detecting Condition	Trouble Area
B2780	"On" condition of push switch or key switch is not detected when the starter switch is on.	<ul style="list-style-type: none">• Starter switch (The push switch and the key switch are built in this switch.)• Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE ON INTELLIGENT TESTER

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the intelligent tester on.
- (c) Select the item below in the DATA LIST, and read its value displayed on the intelligent tester to check the unlock warning switch.

Condition	Item	Standard
Push switch is ON	Push SW	"ON" is displayed
Push switch is OFF	Push SW	"OFF" is displayed
Smart key is inserted	Key SW	"ON" is displayed
Smart key is not inserted	Key SW	"OFF" is displayed

OK

REPLACE STEERING LOCK ECU
(SEE PAGE 50-26)

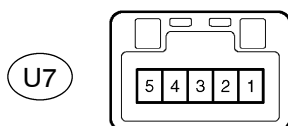
HINT:

Steering lock ECU is provided with the steering lock actuator.

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2 INSPECT UNLOCK WARNING SWITCH ASSY

Unlock Warning Switch Assy Connector (Wire Harness Side):



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- (a) Disconnect the U7 connector from the unlock warning switch.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
U7-2 - U7-4	Smart key is not inserted	10 kΩ or higher
U7-3 - U7-4	Push switch is OFF	10 kΩ or higher
U7-2 - U7-4	Smart key is inserted	Below 1 Ω
U7-3 - U7-4	Push switch is ON	Below 1 Ω

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REPLACE UNLOCK WARNING SWITCH ASSY
(SEE PAGE 50-26)

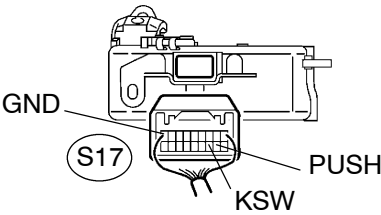
HINT:

Unlock warning switch assy is provided with the starter switch.

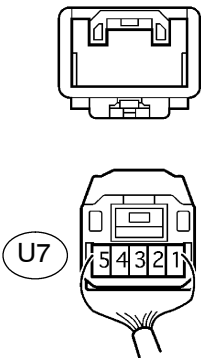
OK

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

Steering Lock ECU:



Unlock Warning Switch:



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- (a) Disconnect the S17 connector from the steering lock ECU.
- (b) Disconnect the U7 connector from the unlock warning switch.
- (c) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection (Symbols)	Condition	Specified condition
S17-11 (PUSH) - U7-3	Always	Below 1 Ω
S17-11 (PUSH) - Body ground	Always	10 kΩ or higher
S17-12 (KSW) - U7-2	Always	Below 1 Ω
S17-12 (KSW) - Body ground	Always	10 kΩ or higher
S17-9 (GND) - Body ground	Always	Below 1 Ω
U7-4 - Body ground	Always	Below 1 Ω

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE STEERING LOCK ECU (SEE PAGE 50-26)

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