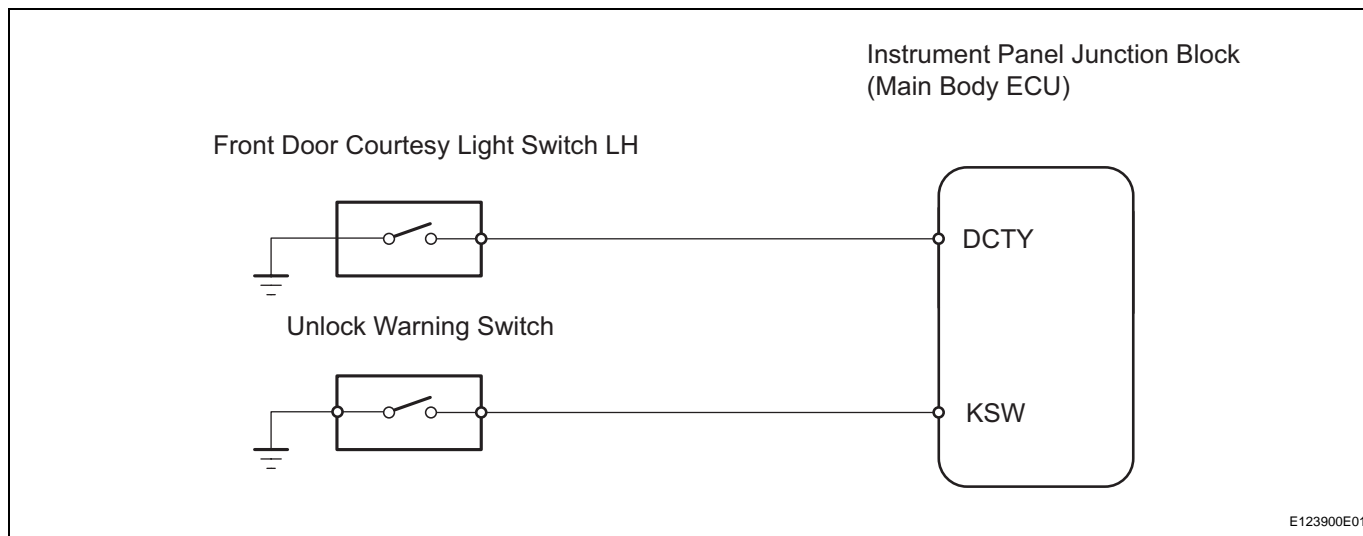


Key Lock-in Prevention Function does not Work Properly

DESCRIPTION

When the key is in the ignition key cylinder or the door courtesy light ON signal is output to the main body ECU, performing the door lock operation with the lock switch does not lock the door.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER (UNLOCK WARNING SWITCH)

- (a) Use the DATA LIST to check if the unlock warning switch is functioning properly.

Main body ECU

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
KEY UNLK WRN SW	Unlock warning switch signal / ON or OFF	ON: Key is in ignition key cylinder OFF: No key is in ignition key cylinder	-

OK:

When the switch is operating, the intelligent tester should display as shown in the table.

NG

Go to step 5

OK

DL

2 READ VALUE OF INTELLIGENT TESTER (DRIVER SIDE DOOR COURTESY LIGHT SWITCH)

- (a) Use the DATA LIST to check if the door courtesy light switch is functioning properly.

Main body ECU

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
D DOR CTY SW	Driver side door courtesy light switch signal / ON or OFF	ON: Driver side door is open OFF: Driver side door is closed	-

OK:

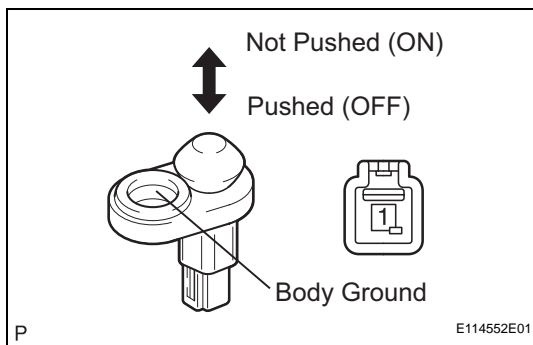
When the switch is operating, the intelligent tester should display as shown in the table.

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK (MAIN BODY ECU)

NG

3 INSPECT FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY LH



- (a) Remove the front door courtesy light switch.
(b) Measure the resistance of the switch.

Standard resistance

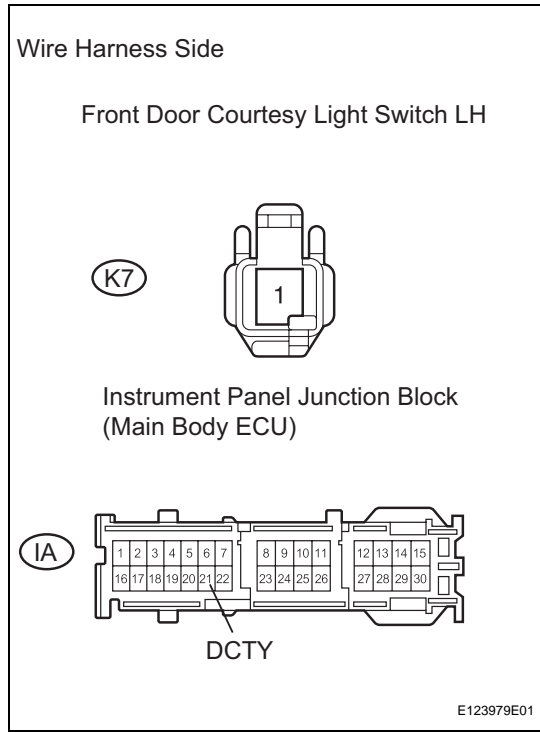
Tester Connection	Switch Condition	Specified Condition
1 - Body ground	Not pushed (ON)	Below 1 Ω
1 - Body ground	Pushed (OFF)	10 k Ω or higher

NG

REPLACE FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY LH

OK

4 CHECK WIRE HARNESS (ECU - SWITCH)



- (a) Disconnect the K7 switch connector.
- (b) Disconnect the IA junction block connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

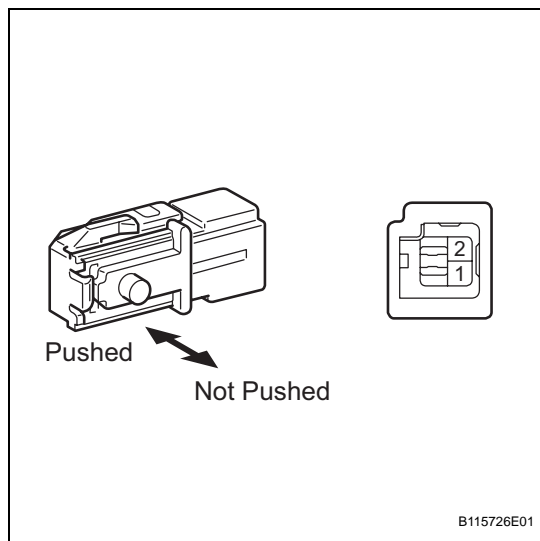
Tester Connection	Specified Condition
K7-1 - IA-21 (DCTY)	Below 1 Ω

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK (MAIN BODY ECU)

5 INSPECT UNLOCK WARNING SWITCH ASSEMBLY



- (a) Remove the unlock warning switch.
- (b) Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
1- 2	Not pushed	10 kΩ or higher
1- 2	Pushed	Below 1 Ω

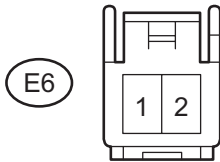
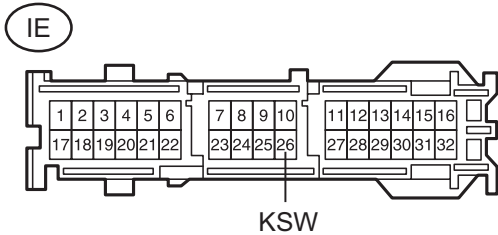
NG REPLACE UNLOCK WARNING SWITCH ASSEMBLY

OK

6 CHECK WIRE HARNESS (SWITCH - ECU)

Wire Harness Side

Unlock Warning Switch

Instrument Panel Junction Block
(Main Body ECU)

E123907E01

- (a) Disconnect the E6 switch connector.
- (b) Disconnect the IE junction block connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
E6-1 - Body ground	Below 1 Ω
E6-1 - IE26 (KSW)	Below 1 Ω

NG**REPAIR OR REPLACE HARNESS AND CONNECTOR****OK****REPLACE INSTRUMENT PANEL JUNCTION BLOCK (MAIN BODY ECU)**