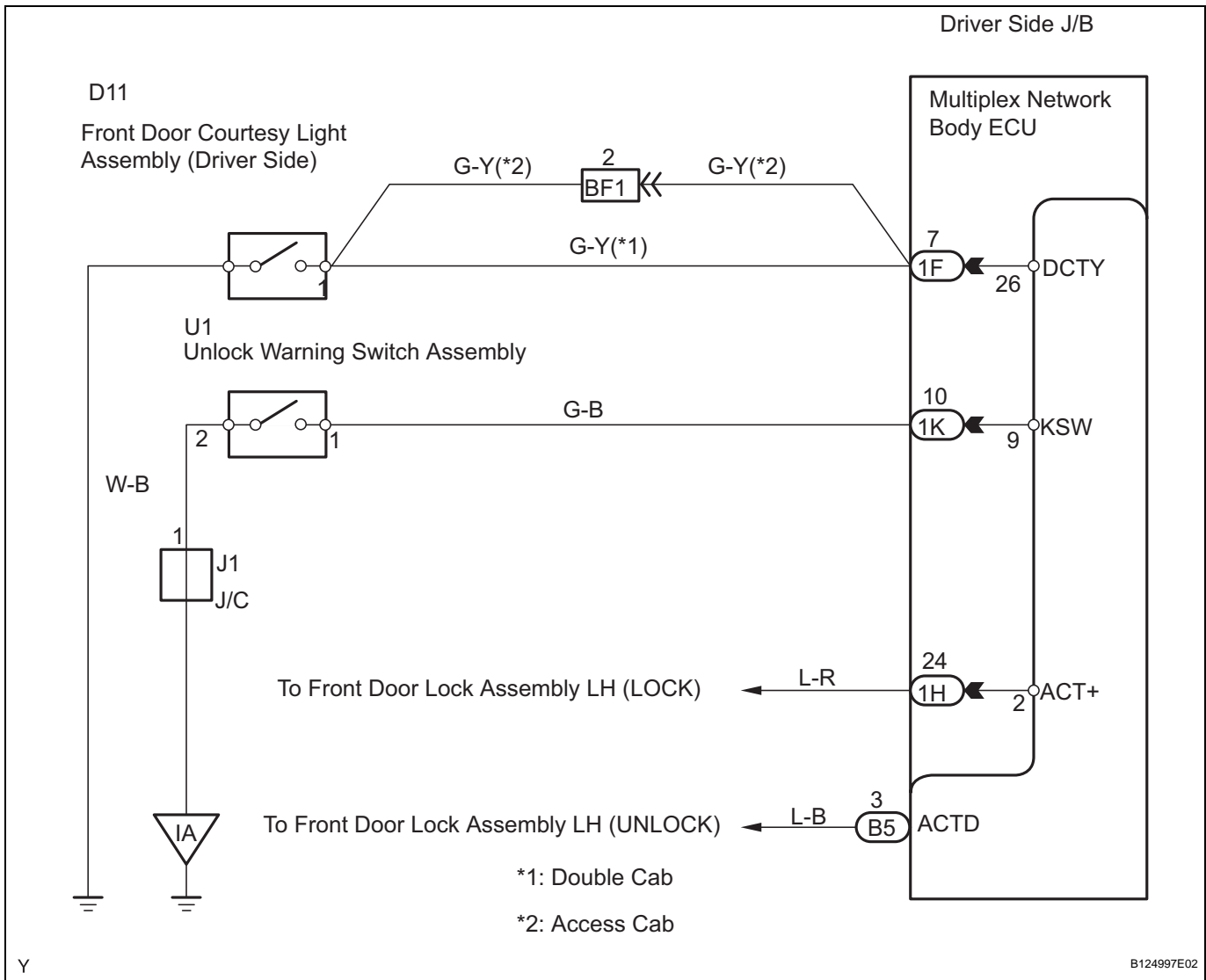


Key Lock-in Prevention Function does not Work Properly

DESCRIPTION

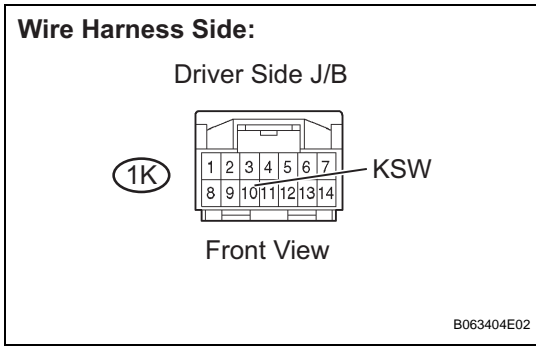
To prevent the key from being locked in the vehicle, the multiplex network body ECU prevents the doors from being locked by monitoring 2 switches: 1) the unlock warning switch, which turns ON when the key is inserted into the ignition key cylinder; and 2) the driver side courtesy light switch, which turns ON when the driver side door is opened.

WIRING DIAGRAM



B124997E02

1 CHECK HARNESS AND CONNECTOR (DRIVER SIDE JUNCTION BLOCK - BODY GROUND)



- (a) Disconnect the 1K driver side J/B connector.
- (b) Measure the resistance.

Standard

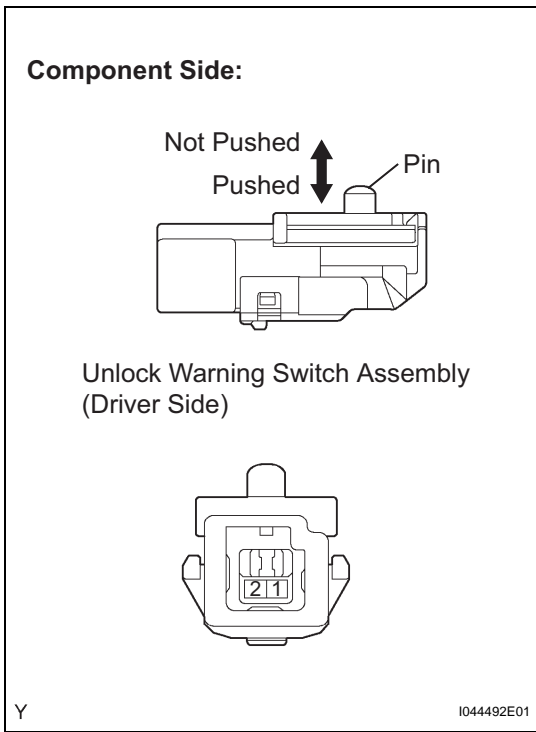
Tester Connection	Connection	Specified Condition
1K-10 (KSW) - Body ground	No key in ignition key cylinder	10 kΩ or higher
1K-10 (KSW) - Body ground	Key inserted in ignition key cylinder	Below 1 Ω

- (c) Reconnect the driver side J/B connector.

OK → **Go to step 4**

NG

2 INSPECT UNLOCK WARNING SWITCH ASSEMBLY



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

Standard

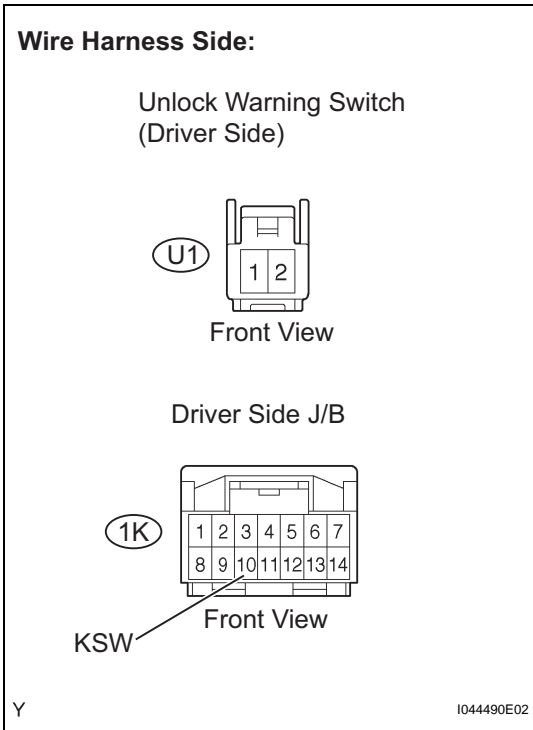
Tester Connection	Switch Connection	Specified Condition
1 - 2	Not pushed	10 kΩ or higher
1 - 2	Pushed	Below 1 Ω

- (c) Reinstall the unlock warning switch.

NG → **REPLACE UNLOCK WARNING SWITCH ASSEMBLY**

OK

3 CHECK HARNESS AND CONNECTOR (SWITCH ASSEMBLY - DRIVER SIDE J/B ASSEMBLY AND BODY GROUND)



- (a) Disconnect the U1 unlock warning switch connector.
- (b) Disconnect the 1K driver side J/B connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard

Tester Connection	Specified Condition
U1-1 - 1K-10 (KSW)	Below 1 Ω
U1-2 - Body ground	Below 1 Ω

- (d) Reconnect the unlock warning switch connector.
- (e) Reconnect the driver side J/B connector.

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

OK

4 CHECK FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY (DRIVER SIDE)

- (a) Move the room light switch to the DOOR position and open the driver side door. Check that the room light turns ON.

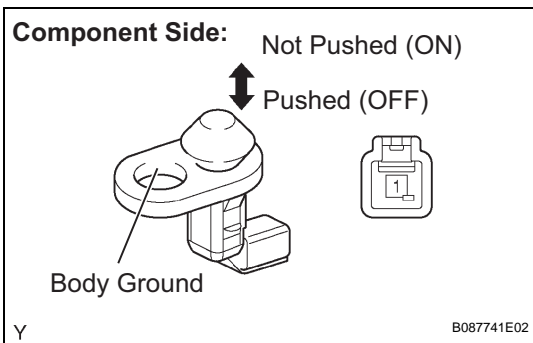
OK:

Room light turns ON.

OK → **REPLACE DRIVER SIDE JUNCTION BLOCK ASSEMBLY**

NG

5 INSPECT FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY (DRIVER SIDE)



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

Standard

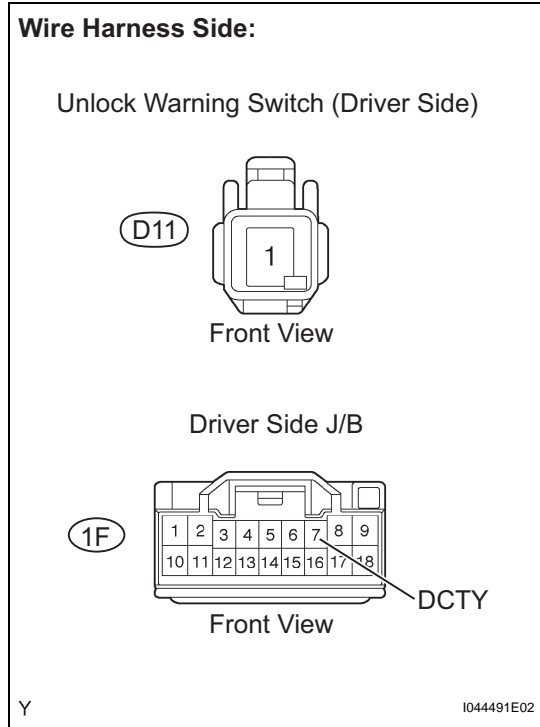
Tester Connection	Switch Condition	Specified Condition
1 - Body ground	Not pushed (ON)	Below 1 Ω
1 - Body ground	Pushed (OFF)	10 kΩ or higher

- (c) Reinstall the front door courtesy light switch assembly.

NG → **REPLACE FRONT DOOR COURTESY LIGHT SWITCH ASSEMBLY**

OK

6 CHECK HARNESS AND CONNECTOR (SWITCH ASSEMBLY (DRIVER SIDE) - DRIVER SIDE J/B ASSEMBLY)



- (a) Disconnect the D11 front door courtesy light switch connector.
- (b) Disconnect the 1F driver side J/B connector.
- (c) Measure the resistance.

Standard

Tester Connection	Specified Condition
D11-1 - 1F-7 (DCTY)	Below 1 Ω

- (d) Reconnect the front door courtesy light switch connector.
- (e) Reconnect the driver side J/B connector.

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

OK

REPLACE DRIVER SIDE JUNCTION BLOCK