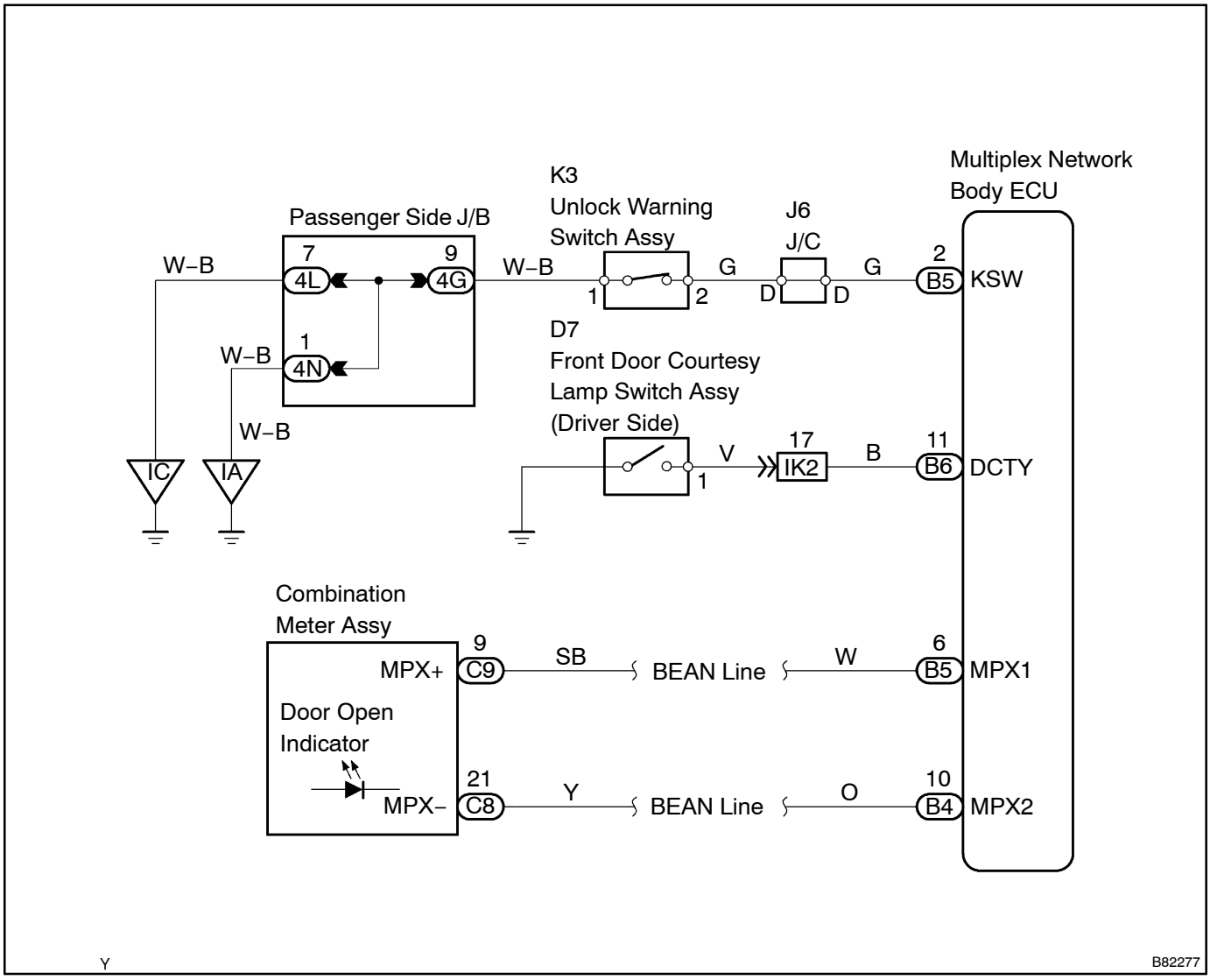
KEY CONFINEMENT PREVENTION FUNCTION DOES NOT WORK PROPERLY (MANUAL OPERATION AND INTERLOCKED WITH KEY ARE ACTIVE)

CIRCUIT DESCRIPTION

The multiplex network body ECU determines if the ignition key is in the key cylinder by checking the status of the unlock warning switch, and determines if the driver door is open or closed by checking the front door courtesy lamp switch. Check that, if the key is in the key cylinder and a LOCK operation is attempted, the multiplex network body ECU will proceed to LOCK all the doors. However, check that the doors then automatically UNLOCK.

WIRING DIAGRAM



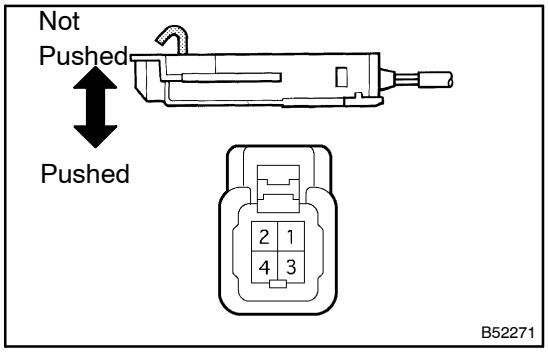
INSPECTION PROCEDURE

1	CHECK MANUAL DOOR LOCK OPERATION

NG → GO TO POWER DOOR LOCK CONTROL SYSTEM (See page 73–2)

OK

2	INSPECT UNLOCK WARNING SWITCH ASSY



(a) Measure the resistance of the unlock warning switch.

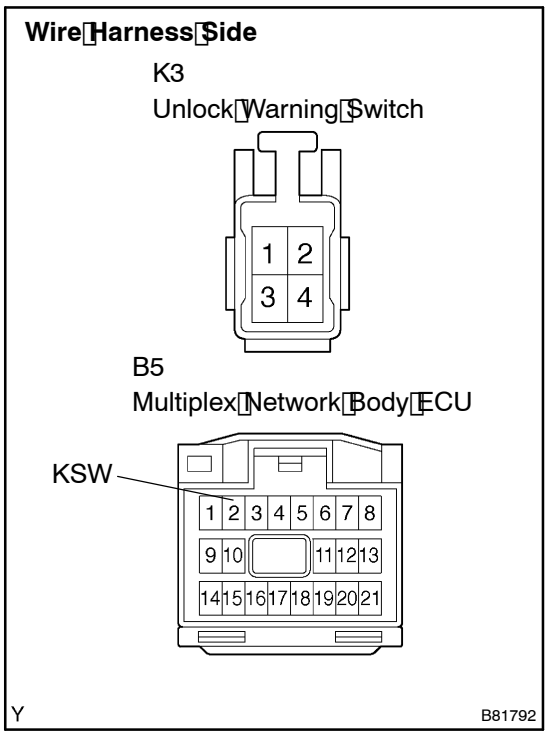
Standard:

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 ASSY

OK

3	CHECK WIRE HARNESS (UNLOCK WARNING SWITCH ASSY – MULTIPLEX NETWORK BODY ECU AND BODY GROUND)



(a) Disconnect the K3 warning switch connector.
(b) Disconnect the B5 ECU connector.
(c) Measure the resistance of the wire harness side connectors.

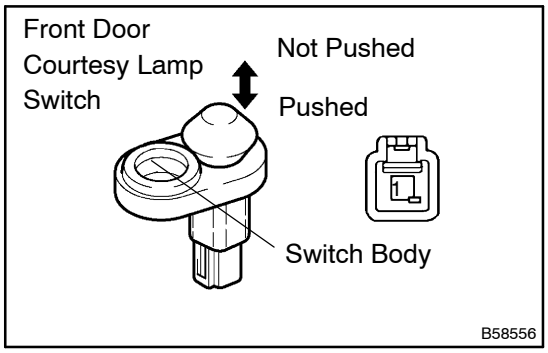
Standard:

Tester Connection	Specified Condition
K3–2 – B5–2 (KWS)	Below 1 Ω
K3–1 – Body ground	Below 1 Ω

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

4 INSPECT FRONT DOOR COURTESY LAMP SWITCH ASSY



(a) Measure the resistance of door courtesy lamp switch.

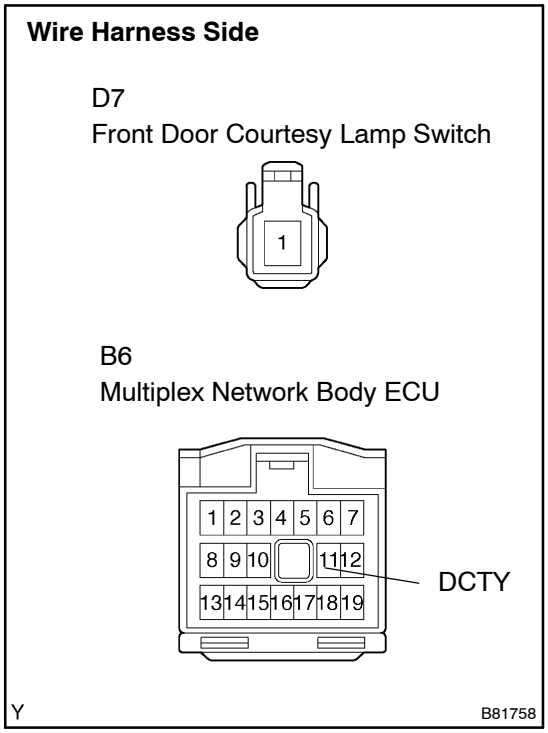
Standard:

Tester Connection	Switch Condition	Specified Condition
1 – Switch body	Switch pushed	10 kΩ or higher
1 – Switch body	Switch free	Below 1 Ω

NG → **REPLACE FRONT DOOR COURTESY LAMP SWITCH ASSY**

OK

5 CHECK WIRE HARNESS (FRONT DOOR COURTESY LAMP SWITCH ASSY – MULTIPLEX NETWORK BODY ECU AND BODY GROUND)



(a) Disconnect the D7 lamp switch connector.
(b) Disconnect the B6 ECU connector.
(c) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
D7–1 – B6–11 (DCTY)	Below 1 Ω
D7–1 – Body ground	10 kΩ or higher

OK → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

NG

REPLACE MULTIPLEX NETWORK BODY ECU