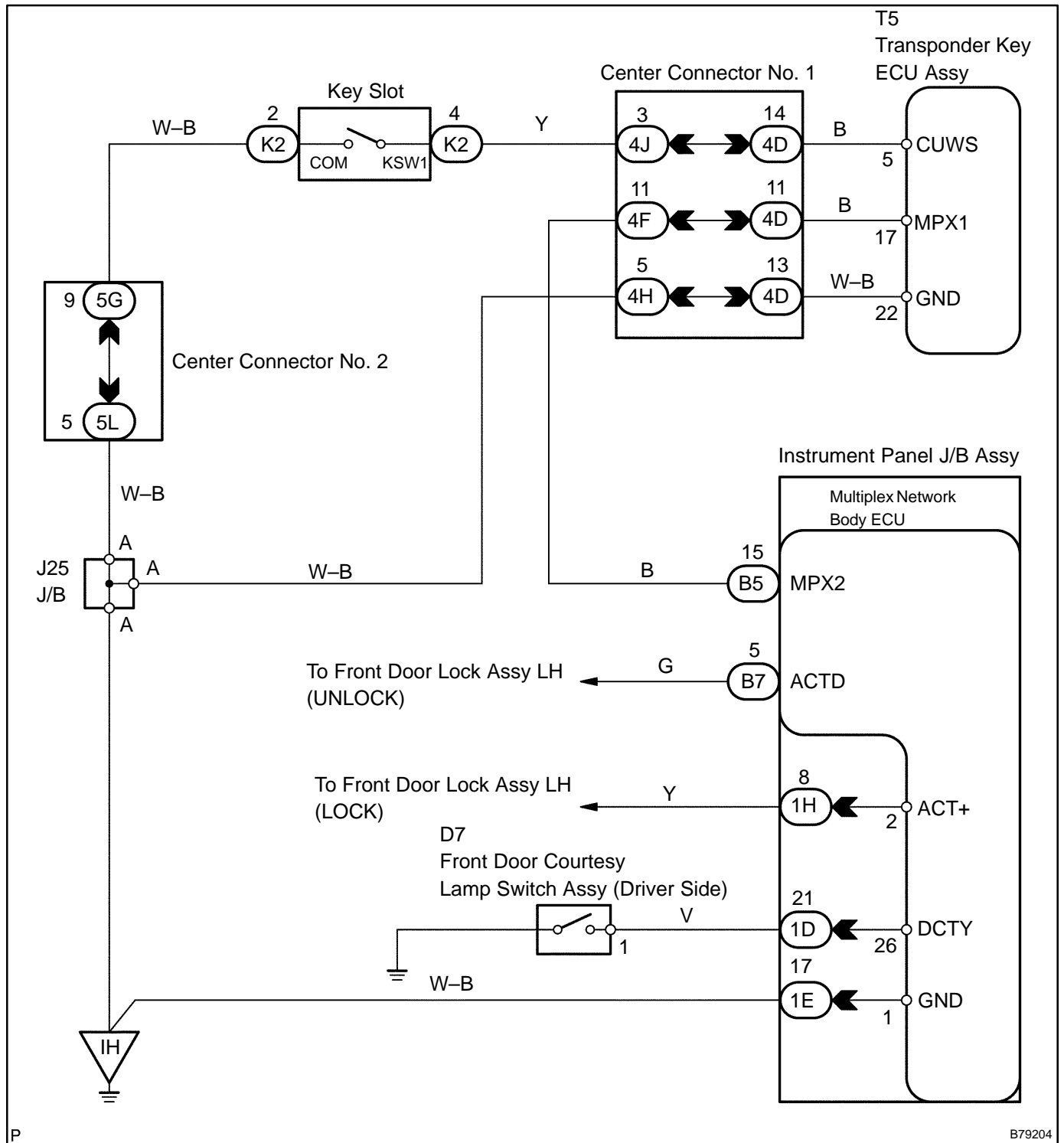


KEY LOCK-IN PREVENTION FUNCTION DOES NOT WORK PROPERLY (MANUAL OPERATION AND KEY-LINKED LOCK ARE ACTIVATED)**CIRCUIT DESCRIPTION**

To prevent the key from being locked in the vehicle, the door control relay assembly prevents doors from being locked by monitoring two switches: 1) the unlock warning switch, which turns ON when the key is inserted into ignition key cylinder; and 2) the driver side courtesy lamp switch, which turns ON when the driver side door is opened.

WIRING DIAGRAM



P

B79204

INSPECTION PROCEDURE

1	INSPECT COMMUNICATION FUNCTION OF LARGE-SCALE MULTIPLEX COMMUNICATION SYSTEM (BEAN)
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- (a) Use the hand-held tester to check for normal function of the multiplex communication system.
- (1) (ECU unconnected, communication line malfunctioning) Without DTC B1200, B1214, B1215 or B1294 outputs, proceed to A.
 - (2) (ECU unconnected, communication line malfunctioning) With DTC B1200, B1214, B1215 or B1294 outputs, proceed to B.

B	Go to MULTIPLEX COMMUNICATION SYSTEM (See page 05-2558)
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A

2	READ VALUE OF HAND-HELD TESTER
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- (a) Check the DATA LIST for proper function of the driver side door courtesy switch.

Multiplex network body ECU:

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

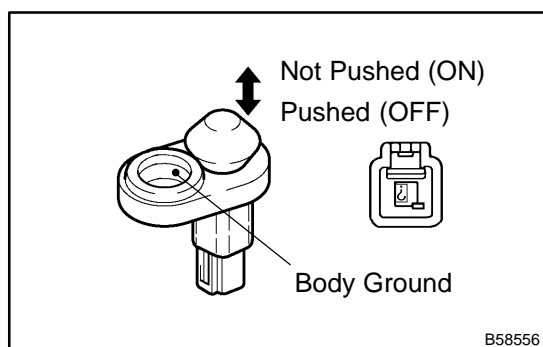
OK: "ON"(driver side door is open) appears on the screen.

NG	Go to step 3
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OK

Go to step 5

3	INSPECT FRONT DOOR COURTESY LAMP SWITCH ASSY (DRIVER SIDE)
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- (a) Remove the switch.
- (b) Measure the switch resistance.

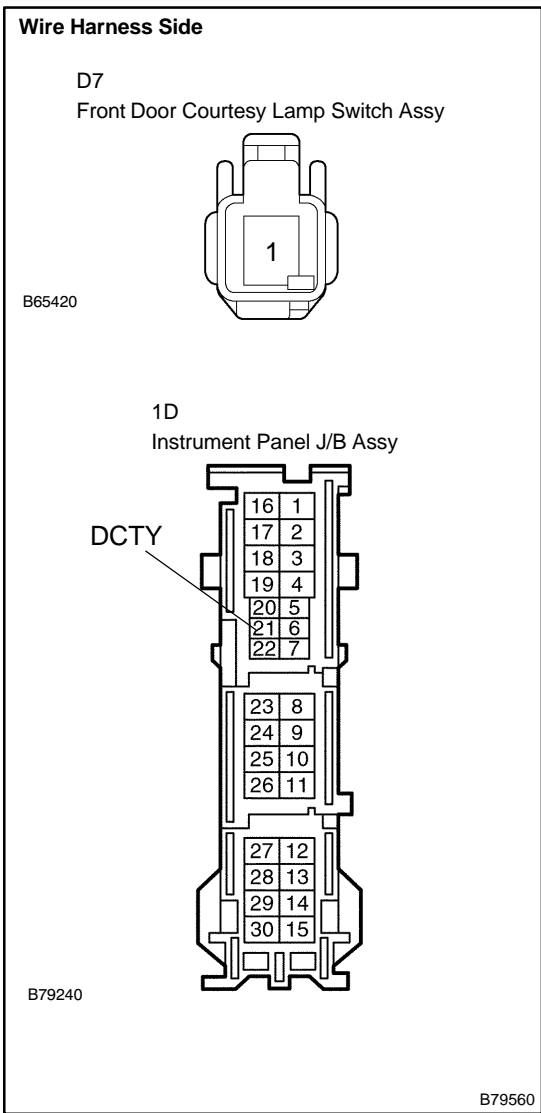
Standard:

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 LAMP SWITCH ASSY
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OK

4 CHECK WIRE HARNESS (FRONT DOOR COURTESY LAMP SWITCH ASSY (DRIVER SIDE) - INSTRUMENT PANEL J/B ASSY)



- (a) Disconnect the D7 switch and 1D J/B connectors.
- (b) Measure the resistance of the wire harness side connectors.

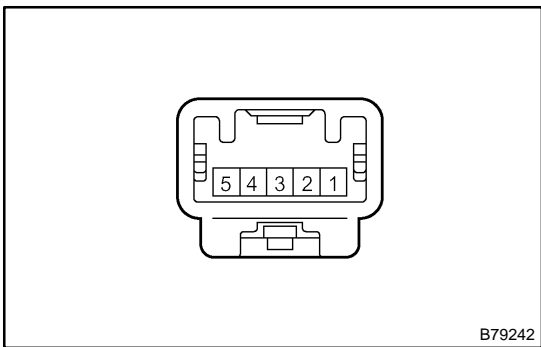
Standard:

Tester Connection	Specified Condition
D7-1 - 1D-21 (DCTY)	Below 1 Ω

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

5 INSPECT KEY SLOT



- (a) Measure the switch resistance.

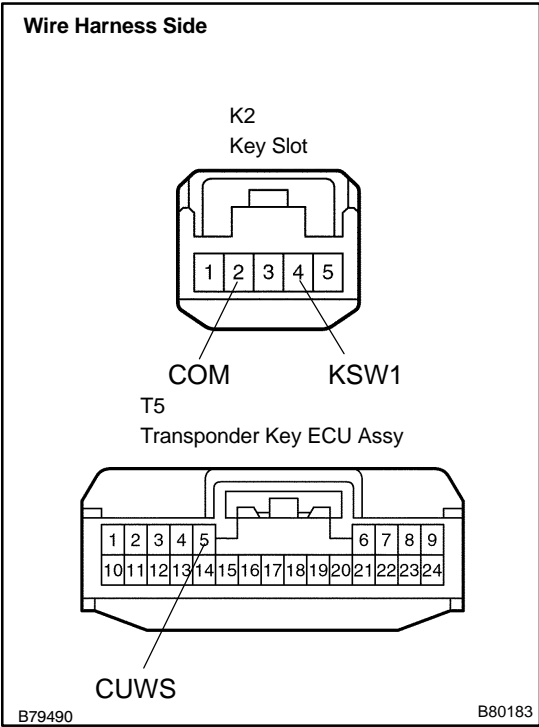
Standard:

Tester Condition	Switch Condition	Specified Condition
2 - 4	Key in key slot	Below 1 Ω
2 - 4	No key in key slot	10 kΩ or higher

NG REPLACE KEY SLOT

OK

6 CHECK WIRE HARNESS (KEY SLOT - TRANSPONDER KEY ECU AND BODY GROUND)



- (a) Disconnect the K2 key slot and T5 ECU connectors.
- (b) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
K2-4 (KSW1) - T5-5 (CUWS)	Below 1 Ω
K2-2 (COM) - Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

REPLACE TRANSPONDER KEY ECU ASSY