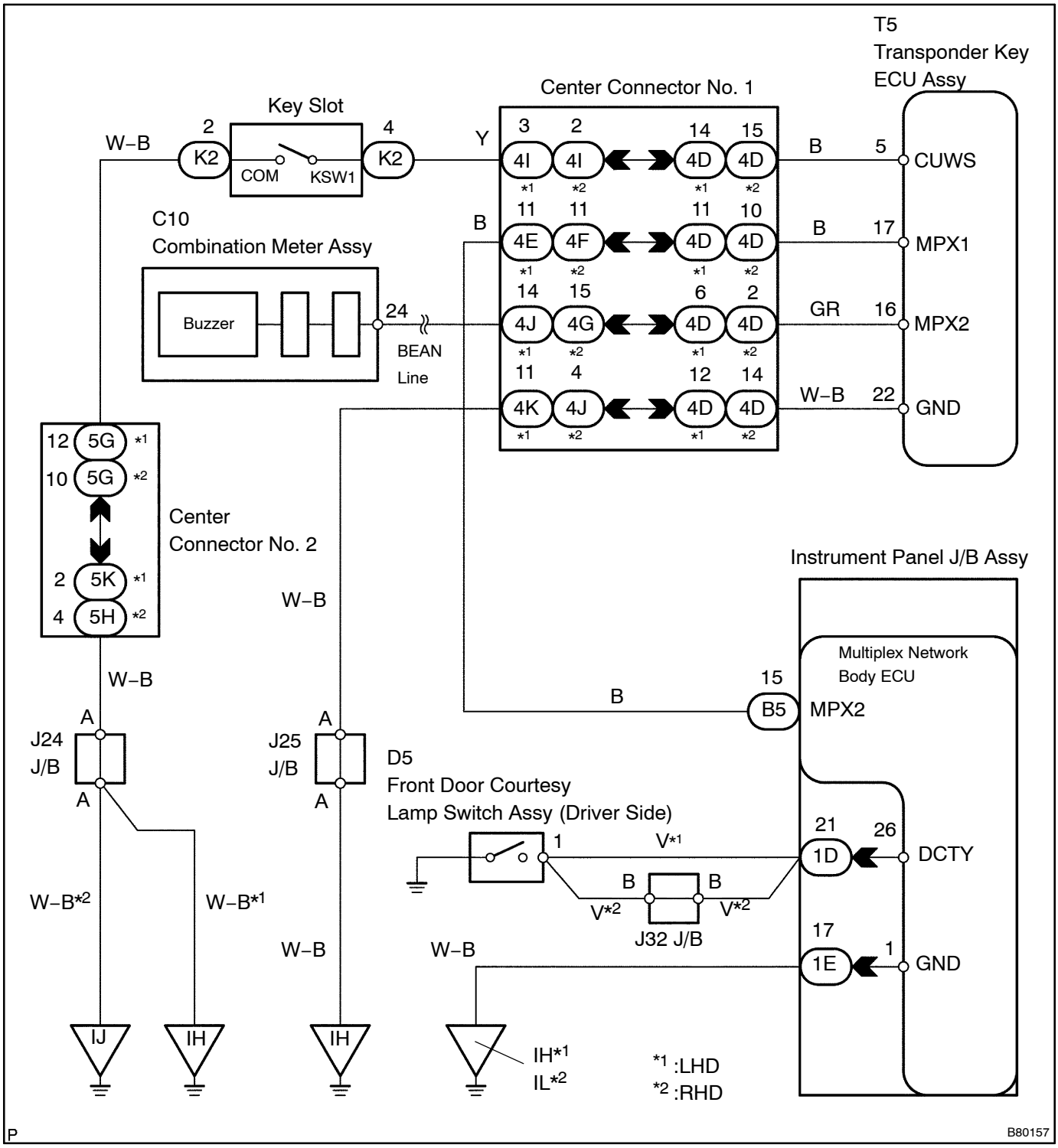
KEY REMINDER BUZZER DOES NOT SOUND

CIRCUIT DESCRIPTION

When the power switch's power mode is OFF, the key is in the key slot and the driver side door is opened, the transponder key ECU transmits a halfway switch signal and multiplex network body ECU transmits driver side courtesy switch signal to the combination meter, which causes the buzzer to emit a sound.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER II

(a) Check the DATA LIST for proper functioning of the driver side door courtesy switch.
Multiplex network body ECU:

Item	Measure 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” (drive side door is open) appears on the screen.

NG → **Go to step 3**

(b) Check the DATA LIST for proper functioning of the key slot.
Transponder key ECU:

Item	Measure Item/Display (Range)	Normal Condition	Diagnostic Note
Key Unlk Wrn SW	Halfway switch signal /ON or OFF	ON: Key is in key slot. OFF: No key is in key slot.	–

OK: ”ON”(key is in slot) appears on the screen.

NG → **Go to step 5**

OK

2 CHECK BUZZER (COMBINATION METER)

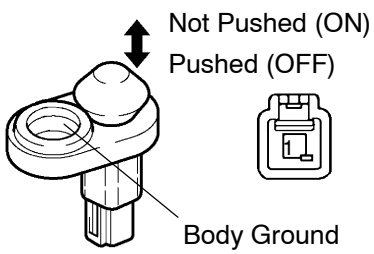
(a) Check the warning buzzer built into the combination meter (see page 05–1684).
OK: Warning buzzer sounds.

NG → **REPLACE COMBINATION METER ASSY**

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY (MULTIPLEX NETWORK BODY ECU)

3 INSPECT FRONT DOOR COURTESY LAMP SWITCH ASSY (DRIVER SIDE)



(a) Remove the courtesy lamp switch.
(b) Measure the switch resistance.

Standard:

Tester Condition	Switch Condition	Specified Condition
1 – Body ground	Not Pushed	Below 1 Ω
1 – Body ground	Pushed	10 kΩ or higher

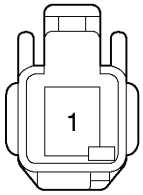
OK → **REPLACE FRONT DOOR COURTESY LAMP SWITCH ASSY**

OK

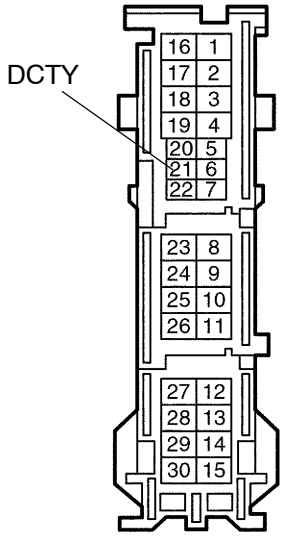
4 CHECK WIRE HARNESS (FRONT DOOR COURTESY LAMP SWITCH ASSY (DRIVER SIDE) – INSTRUMENT PANEL J/B ASSY)

Wire Harness Side

D5
Front Door Courtesy Lamp Switch Assy



1D
Instrument Panel J/B Assy



B79560

(a) Disconnect the D5 switch and 1D J/B connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

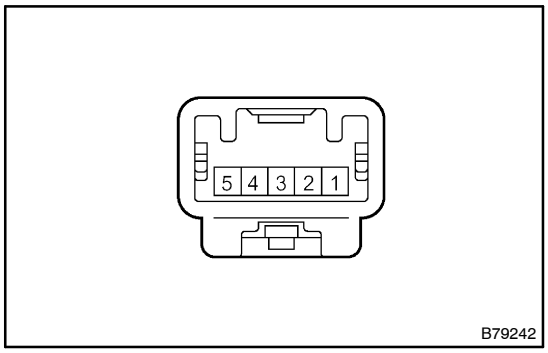
Tester Connection	Specified Condition
D5–1 – 1D–21 (DCTY)	Below 1 Ω

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

OK

REPLACE INSTRUMENT PANEL JUNCTION BLOCK ASSY (MULTIPLEX NETWORK BODY ECU)

5 INSPECT KEY SLOT



(a) Remove the key slot.
(b) Measure the key slot resistance.

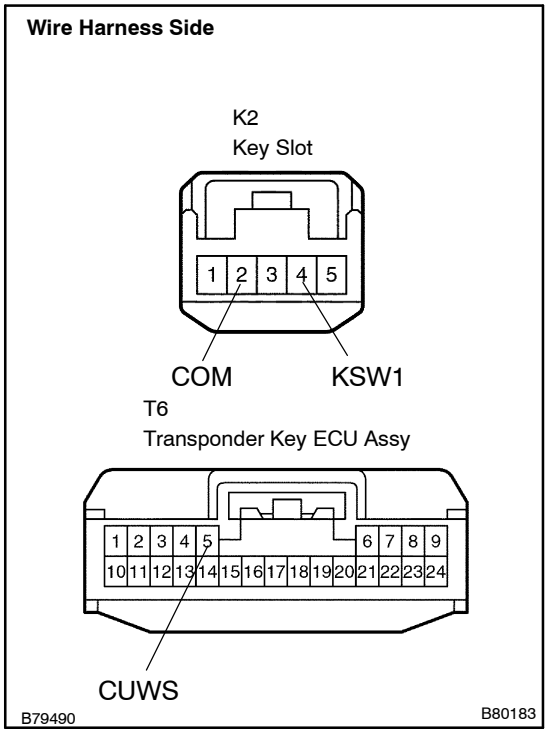
Standard:

Tester Condition	Key Slot 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 – INSTRUMENT PANEL J/B ASSY AND BODY GROUND)



(a) Disconnect the K2 key slot and T6 ECU connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
K2–4 (KSW1) – T6–5 (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