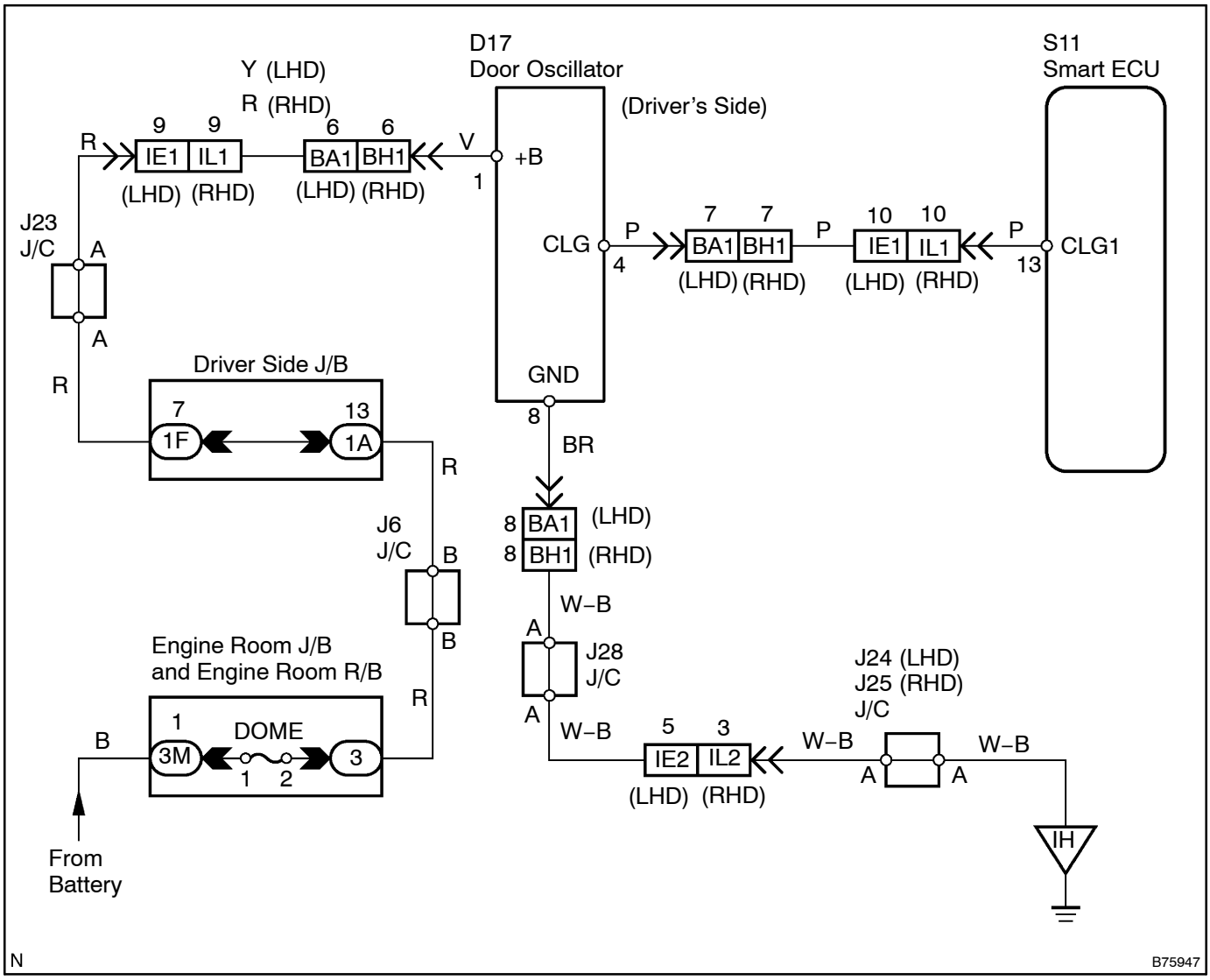
SMART LOCK AND UNLOCK FUNCTIONS DO NOT OPERATE ON DRIVER DOOR

CIRCUIT DESCRIPTION

Both the smart lock and unlock functions do not operate when: 1) nothing is output from the driver door outside oscillator, 2) the smart entry system is disabled through customization, or 3) the entire power door lock control system is malfunctioning.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK MANUAL DOOR LOCK AND UNLOCK OPERATION

(a) Check that the manual door lock and unlock function operates normally.
OK: Manual door lock and unlock function operates normally.

NG → **Go to POWER DOOR LOCK CONTROL SYSTEM (See page 05–1776)**

OK

2	PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the power switch ON (IG) and press the intelligent tester II main switch ON.
(c) Select the items below in the ACTIVE TEST and then check that the oscillator operates.
Smart ECU:

Item	Test Details	Diagnostic Note
D Transmitter	Driver Side Transmitter ON/OFF	–

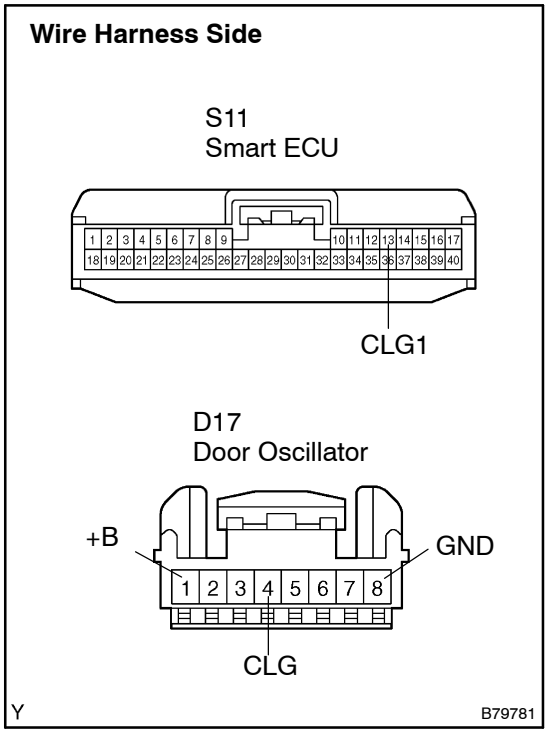
OK: "ON" (Driver Side Transmitter) appears on the screen.
When the smart key is brought close to the door, the oscillator is turned ON and the indicator illuminates.

NG → **Go to step 3**

OK

REPLACE SMART ECU

3	CHECK WIRE HARNESS (DOOR OSCILLATOR FRONT ON DRIVER SIDE – SMART ECU AND BODY GROUND)



(a) Disconnect the D17 oscillator connector.
(b) Disconnect the S11 ECU connector.
(c) Measure the resistance and voltage between the wire harness side connectors and body ground.

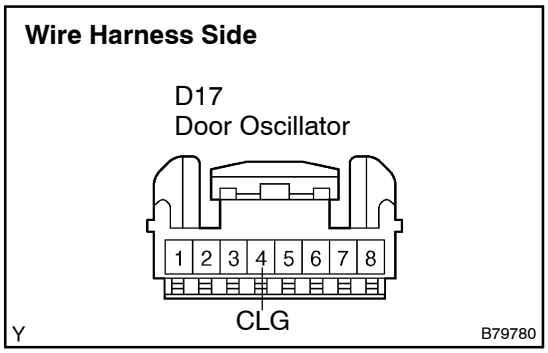
Standard:

Tester Connection	Condition	Specified Condition
D17–4 (CLG) – S11–13 (CLG1)	Constant	Below 1 Ω
D17–4 (CLG) – Body ground	Constant	10 kΩ or higher
D17–8 (GND) – Body ground	Constant	Below 1 Ω
D17–1 (+B) – Body ground	Constant	10 to 14 V

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

OK

4	INSPECT DOOR OSCILLATOR ON DRIVER SIDE



(a) Measure the frequency between the terminals of the connector when the power switch is operated.

Standard:

Tester Connection	Condition	Specified Condition
D17–4 (CLG) – Body ground	Power switch OFF → ON (IG)	Some Hz → 0 Hz

NG → **REPLACE DOOR OSCILLATOR ON DRIVER SIDE**

OK

REPLACE SMART ECU