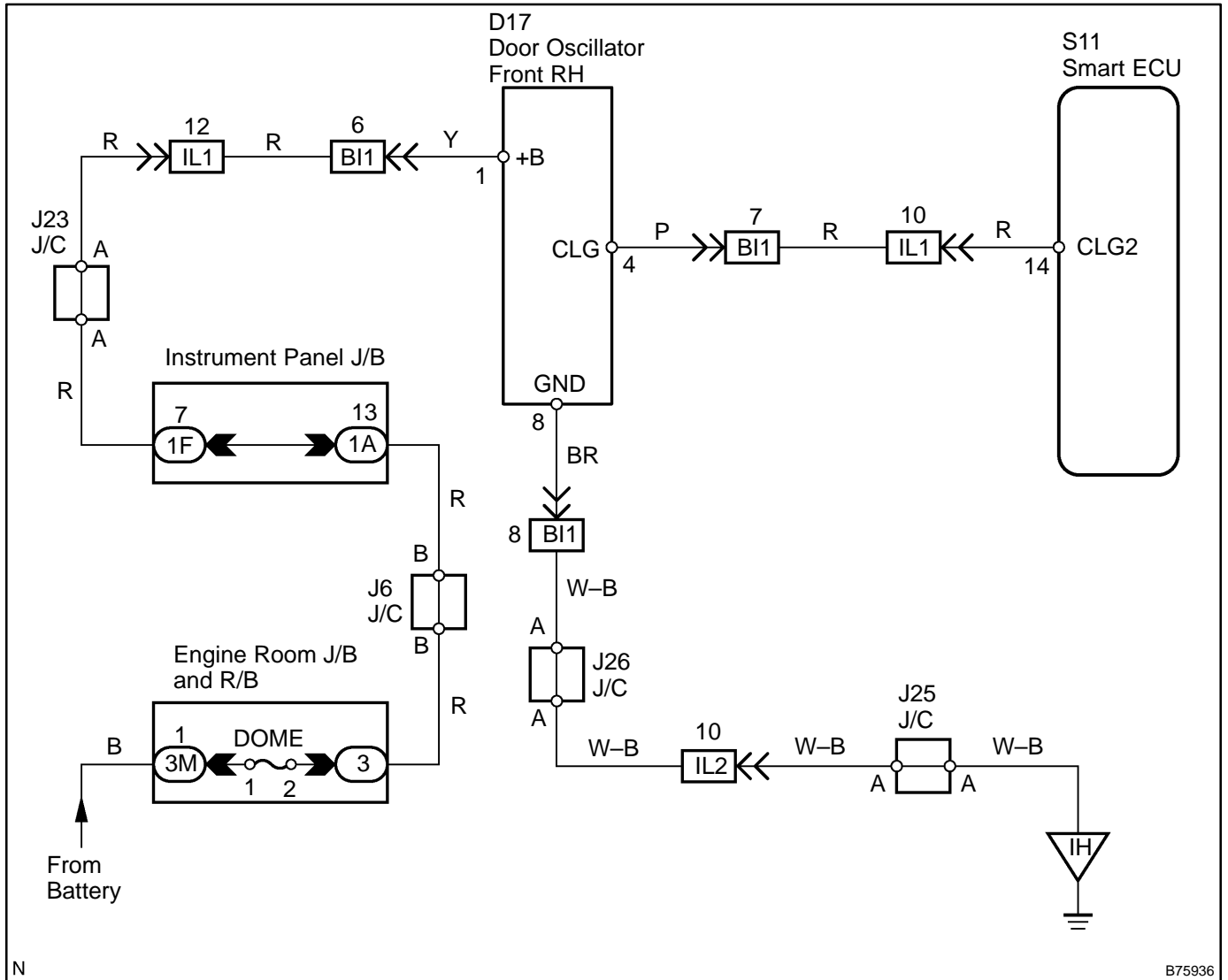


# SMART LOCK AND UNLOCK FUNCTIONS DO NOT OPERATE ON PASSENGER DOOR

## CIRCUIT DESCRIPTION

Both the smart lock and unlock functions do not operate when: 1) nothing is output from the passenger 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



N

B75936

## 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 05-2074)**

**OK**

### 2 PERFORM ACTIVE TEST USING HAND-HELD TESTER

- (a) Connect the hand-held tester (with CAN VIM) to the DLC3.  
 (b) Turn the power switch ON (IG) and press the hand-held tester 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 Notes
P TRANSMITTER	Passenger Side Transmitter ON/OFF	-

**OK: When the smart key is brought close to a door oscillator that is ON, the indicator on the smart key illuminates.**

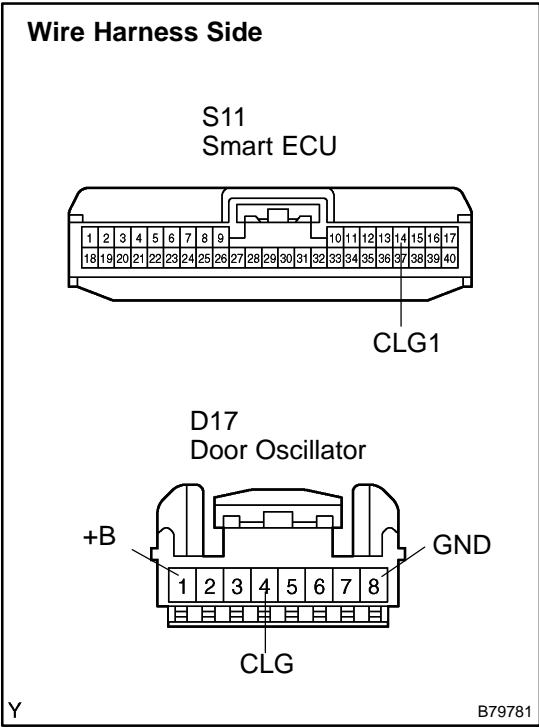
**NG**

**Go to step 3**

**OK**

### REPLACE SMART ECU

**3 CHECK WIRE HARNESS (DOOR OSCILLATOR (FRONT RH) – SMART ECU AND BODY GROUND)**



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

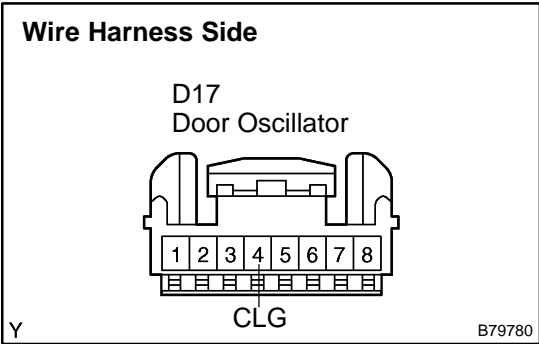
**Standard:**

Tester Connection	Condition	Specified Condition
D17-4 (CLG) – S11-14 (CLG2)	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 CHECK DOOR OSCILLATOR (FRONT PASSENGER 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 FRONT PASSENGER SIDE**

**OK**

**REPLACE SMART ECU**