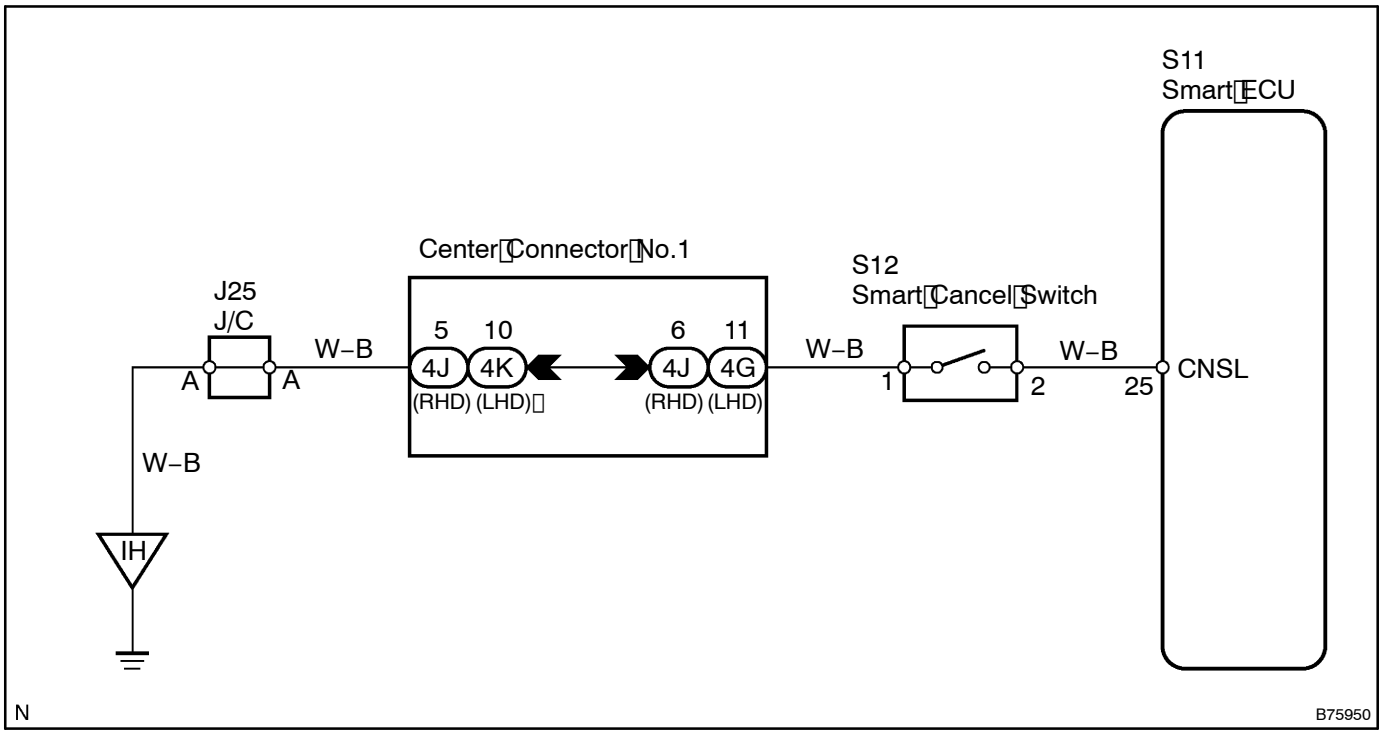
SMART CANCEL SWITCH DOES NOT OPERATE

CIRCUIT DESCRIPTION

Smart unlock function:
When an outside oscillator receives a smart key output ID code and the smart ECU confirms the ID code, the smart ECU outputs a SEL signal (Lo when output) to the outside oscillator to change the touch sensor inside the door outside handle to unlock standby condition. When the touch sensor is touched, the outside oscillator outputs a SENS signal (Lo when output) to the smart ECU. Then, the smart ECU sends unlock signals to the door lock assemblies on all doors through the driver side J/C (body ECU).
Smart lock function:
When the lock switch on the outside door handle is pressed, the smart ECU sends a request signal to an outside oscillator. The smart key receives this request and transmits its ID code. Upon receiving the ID code, the smart ECU determines that the smart key is outside the vehicle and sends lock signals to the door lock assemblies on all doors through the driver side J/C (body ECU).

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK WIRELESS DOOR LOCK OPERATION

(a) Check that the wireless door lock function operates normally.
OK: Wireless door lock function operates normally.

NG → **Go to WIRELESS DOOR LOCK CONTROL SYSTEM (w/ SMART ENTRY SYSTEM) (See page 05–1943)**

OK

2	READ VALUE OF INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.
(b) Turn the power switch from OFF to ON (IG) and press the intelligent tester II main switch ON.
(c) Select the items below in the DATA LIST and read the displays on the intelligent tester II.
SMART ECU:

Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
Smart Cancel SW	Smart cancel switch/ ON or OFF	ON: Smart cancel switch is ON OFF: Smart cancel switch is OFF	–

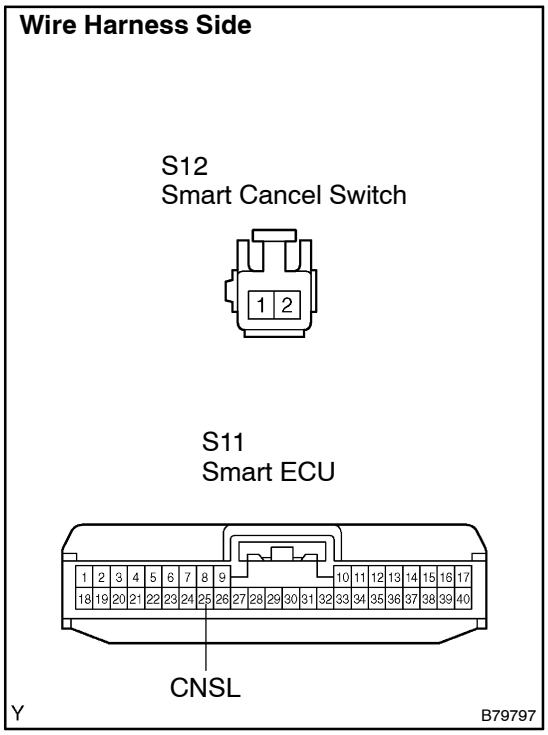
OK: ”OFF” (smart cancel switch is turned off) appears on the screen.

NG → **Go to step 3**

OK

REPLACE SMART ECU

3	CHECK WIRE HARNESS (SMART CANCEL SWITCH – SMART ECU AND BODY GROUND)



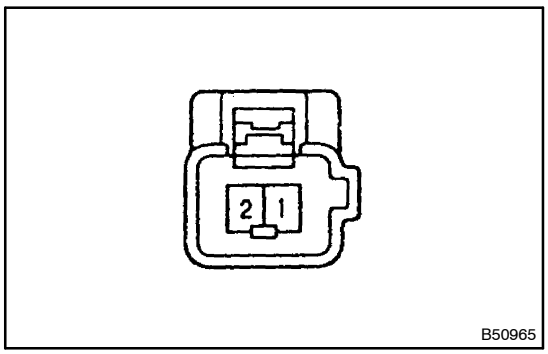
(a) Disconnect S12 switch connector.
(b) Disconnect S11 ECU connector.
(c) Measure the resistance between the wire harness side connectors and body ground.
Standard:

Tester Connection	Specified Condition
S12–2 – S11–25 (CNSL)	Below 1 Ω
S12–1 – Body ground	Below 1 Ω

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

OK

4	INSPECT SMART CANCEL SWITCH



(a) Remove the smart cancel switch.
(b) Measure the switch resistance.

Standard:

Tester Connection	Condition	Specified Condition
S12–1 – S12–2	Not pushed (OFF)	10 kΩ or higher
S12–1 – S12–2	Pushed (ON)	Below 1Ω

NG → **REPLACE SMART CANCEL SWITCH**

OK

REPLACE SMART ECU