

SMART CANCEL SWITCH DOES NOT OPERATE

CIRCUIT DESCRIPTION

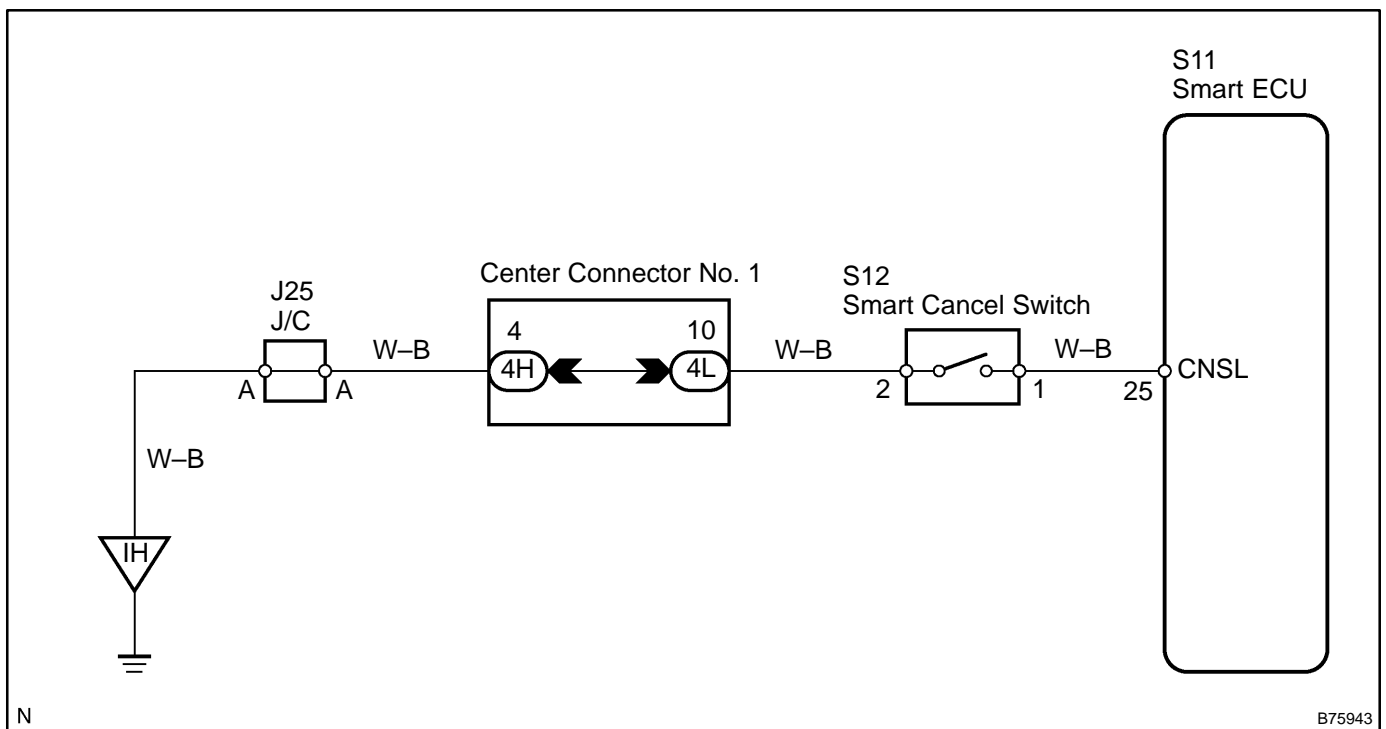
Smart unlock function:

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 an unlock signal to the appropriate door lock assembly through the instrument panel J/B (multiplex network 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 a lock signal to the appropriate door lock assembly through the instrument panel J/B (multiplex network 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 05-2228)**

OK

2 READ VALUE OF HAND-HELD TESTER

- (a) Connect the hand-held tester (with CAN VIM) to the DLC3.
- (b) Turn the power switch from OFF to ON (IG) and press the hand-held tester main switch ON.
- (c) Select the items below in the DATA LIST and read the displays on the hand-held tester.

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 not pressed) appears on the screen.

NG Go to step 3

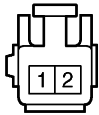
OK

REPLACE SMART ECU

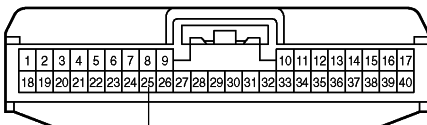
3 CHECK WIRE HARNESS (SMART CANCEL SWITCH - SMART ECU AND BODY GROUND)

Wire Harness Side

S12
Smart Cancel Switch



S11
Smart ECU



CNSL

Y

B79797

- (a) Disconnect S12 switch connector.
- (b) Disconnect S11 ECU connector.
- (c) Measure the resistance of the wire harness side connectors.

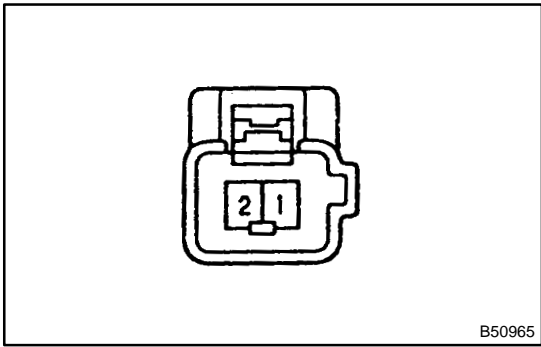
Standard:

Tester Connection	Specified Condition
S12-1 - S11-25 (CNSL)	Below 1 Ω
S12-2 - Body ground	Below 1 Ω
S12-1 - Body ground	10 kΩ or higher

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
1 - 2	Not pushed (OFF)	10 kΩ or higher
1 - 2	Pushed (ON)	Below 1Ω

NG → **REPLACE SMART CANCEL SWITCH**

OK

REPLACE SMART ECU