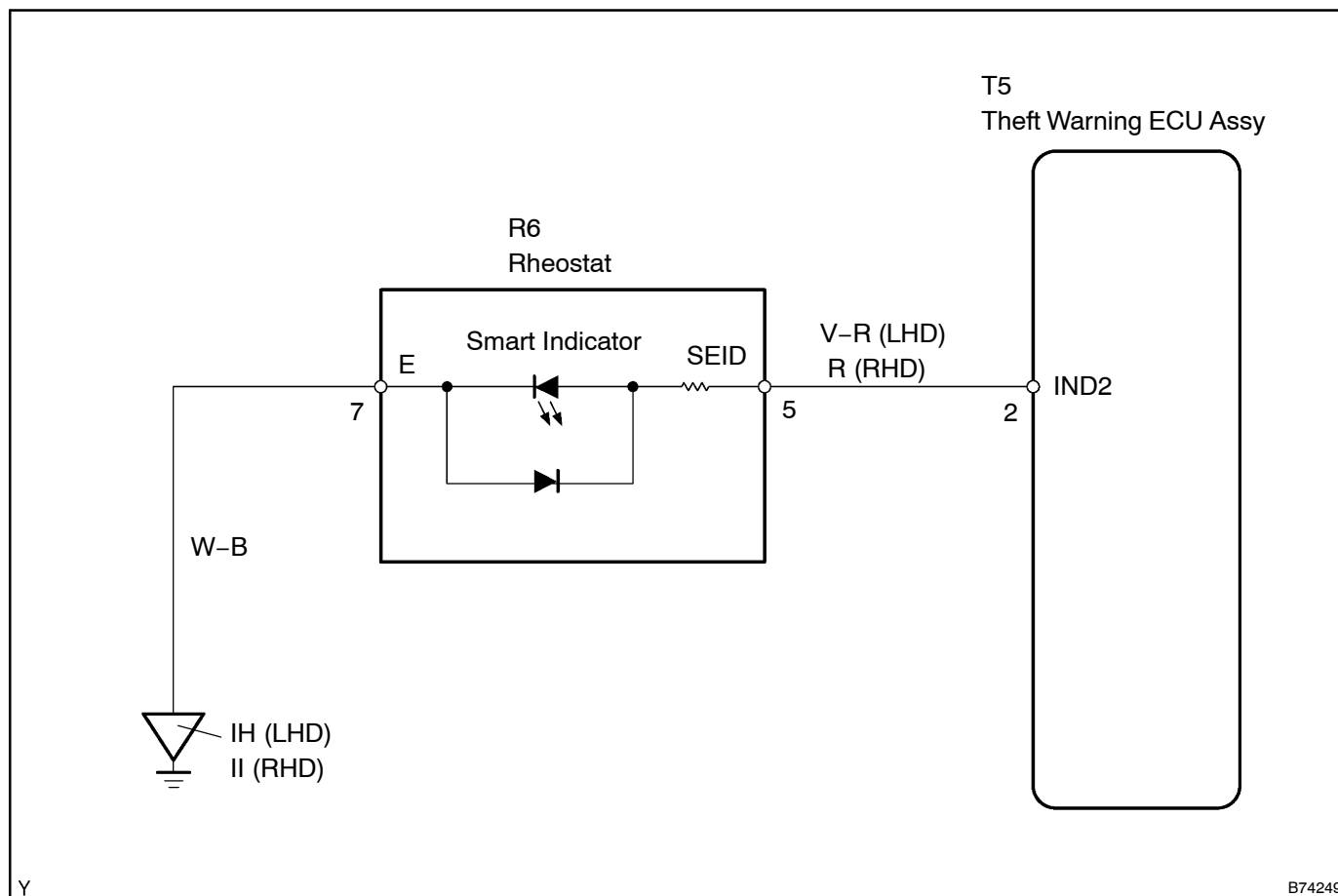# SMART INDICATOR CIRCUIT

CIRCUIT DESCRIPTION

When the smart key system is preparing to be set, this circuit illuminates the indicator.

When the system is set, the indicator starts flashing.

The indicator also indicates the condition of the immobilizer system according to the request from the transponder key ECU.

WIRING DIAGRAM

INSPECTION PROCEDURE

1	PERFORM ACTIVE TEST USING INTELLIGENT TESTER II

(a) Connect the intelligent tester II to the DLC3.

(b) Turn the ignition switch ON and press the intelligent tester II main switch ON.

(c) Select the item below in the ACTIVE TEST and then check that the operates.

Theft warning ECU:

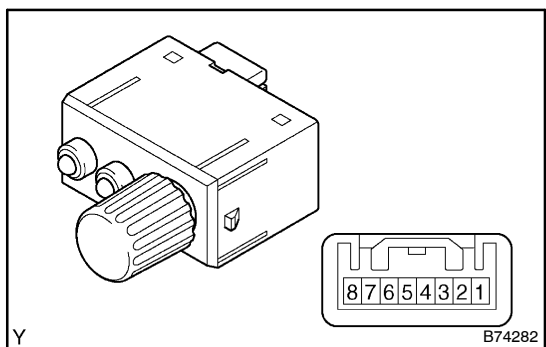| Item	Test Details	Diagnostic Note
Smart indicator	Turn smart indicator ON/OFF	–

OK: Smart indicator turns on and off.

NG > Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05−2634)

2	INSPECT RHEOSTAT

(a) Remove the rheostat.

(b) Apply 12 V positive (+) voltage between the terminals of the indicator and check the lighting condition of the security indicator.

OK:

Measurement Connection	Specified Condition
Battery positive (+) → Terminal 5 Battery negative (−) → Terminal 7	Turn ON

NOTICE:

- **If the positive (+) lead and the negative (−) lead are incorrectly connected, the security indicator does not light up.**
- **Voltage of more than 12 V will damage the security indicator.**
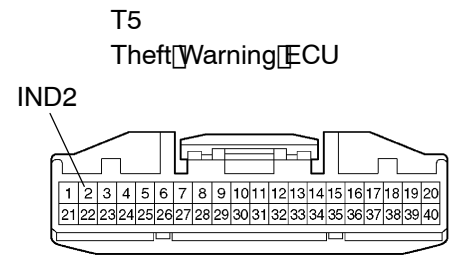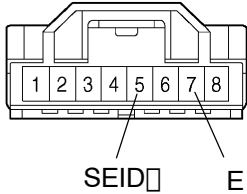- **If the voltage is too low. the security indicator will not light up.**

NG > REPLACE RHEOSTAT

OK

3	CHECK WIRE HARNESS (RHEOSTAT – THEFT WARNING ECU AND BODY GROUND)

Wire Harness Side

T5
Theft Warning ECU

IND2

R6
Rheostat

SEID   E

Y   B74283

(a) Disconnect the T5 ECU connector.

(b) Disconnect the R6 rheostat connector.

(c) Measure the resistance of between the wire harness side connector.

Standard:

Tester Connection	Specified Condition
R6–5 (SEID) – T5–2 (IND2)	Below 1 Ω
R6–7 (E) – Body ground	Below 1 Ω
T5–2 (IND2) – Body ground	10 k Ω higher

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

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE