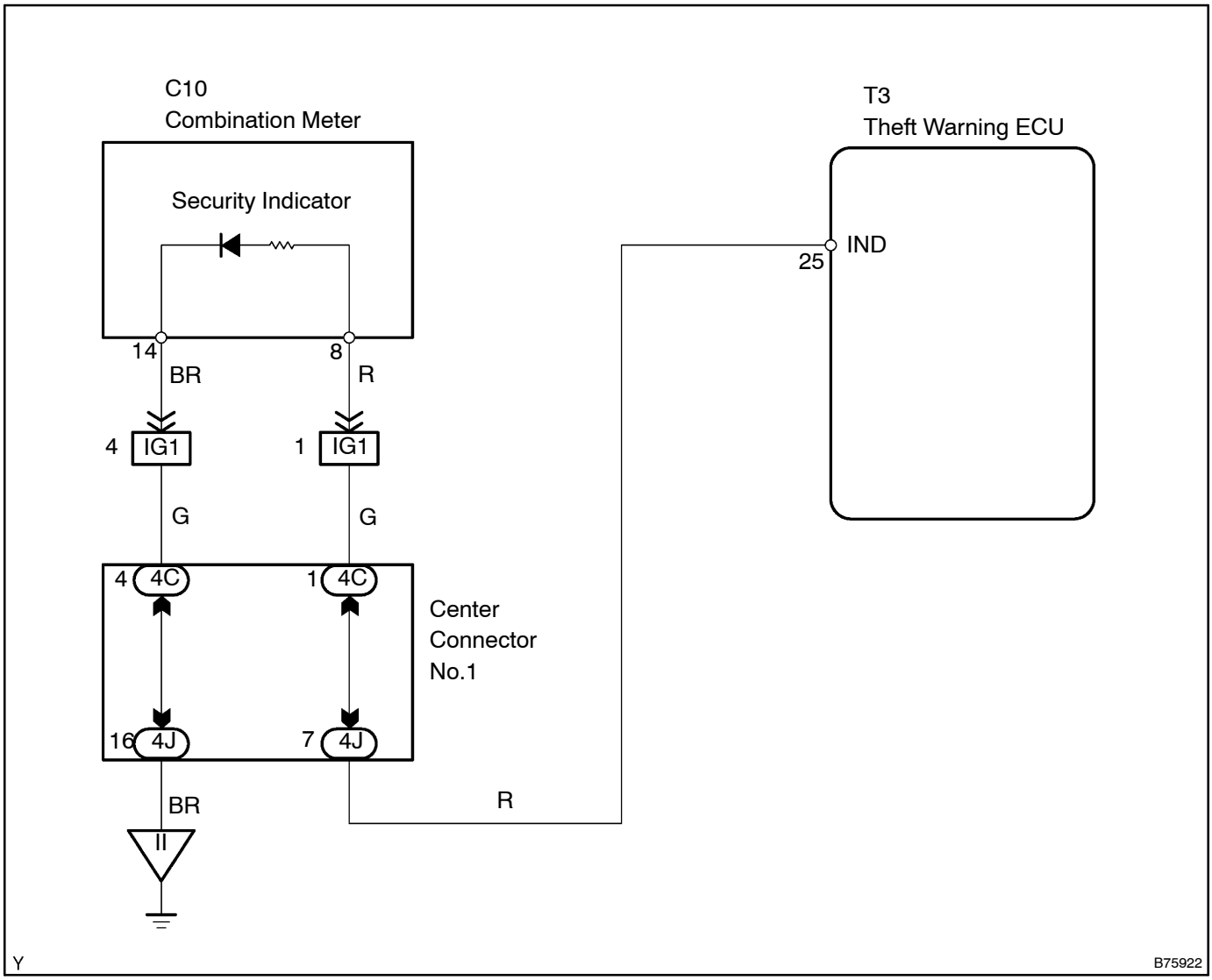
SECURITY INDICATOR CIRCUIT

CIRCUIT DESCRIPTION

When the theft deterrent system is in the disarmed state, the security indicator will flash continuously if the immobilizer system is set, or not illuminate if the immobilizer system is not set.
When the theft deterrent system is in the armed state, the immobilizer system is automatically set and the security indicator will flash continuously.
When the theft deterrent system is in the arming preparation state and alarm sounding state, the multiplex network body ECU causes the security indicator to be illuminated.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	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 item below in the ACTIVE TEST and then check that the indicator operates.
Multiplex Network Body ECU:

Item	Test Details	Diagnostic Note
Security indicator	Illuminated / Not illuminated	–

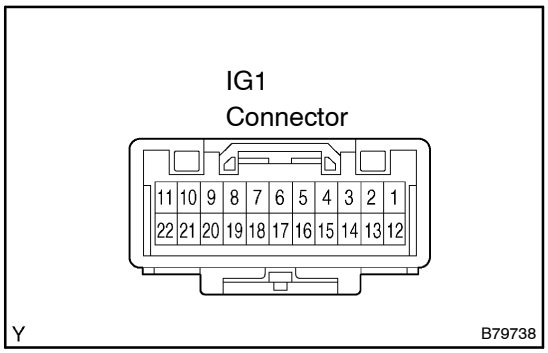
OK: Security indicator operates normally.

NG → **Go to step 2**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–2209)

2	CHECK WIRE HARNESS (IG1 CONNECTOR – BODY GROUND)



(a) Disconnect the IG1 connector.
(b) Measure the resistance between the wire harness side connector and body ground.
Standard:

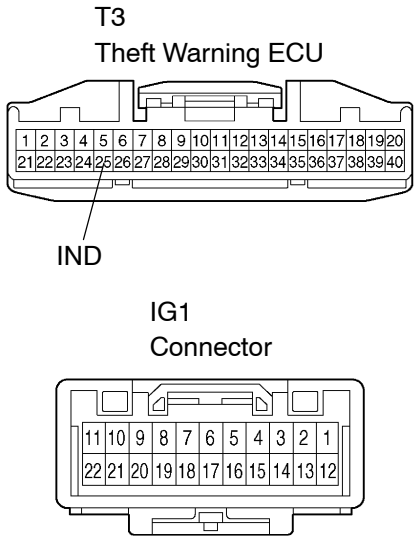
Tester Connection	Specified Condition
IG1–4 – Body ground	Below 1 Ω

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

OK

3 CHECK WIRE HARNESS (THEFT WARNING ECU – IG1 CONNECTOR)

Wire Harness Side



(a) Disconnect the T3 ECU connector.
(b) Disconnect the IG1 meter connector.
(c) Measure the resistance between the wire harness side connectors.

Standard:

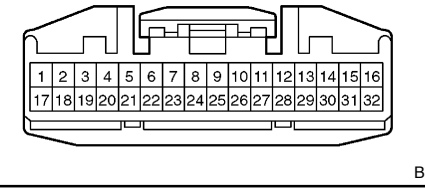
Tester Connection	Specified Condition
T3–25 (IND) – IG1–1	Below 1 Ω

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

OK

4 INSPECT COMBINATION METER ASSY (SECURITY INDICATOR LIGHT OPERATION)

Wire Harness Side



(a) Remove the combination meter assembly.
(b) Apply 12 V positive voltage to the terminals of the combination meter assembly. Check that the security indicator illuminates.

OK:

Measurement Condition	Specified Condition
Body positive (+) → Terminal 8 Body negative(–) → Terminal 14	Illuminates

NOTICE:

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

NG → **REPLACE COMBINATION METER ASSY**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE (See page 05–2209)