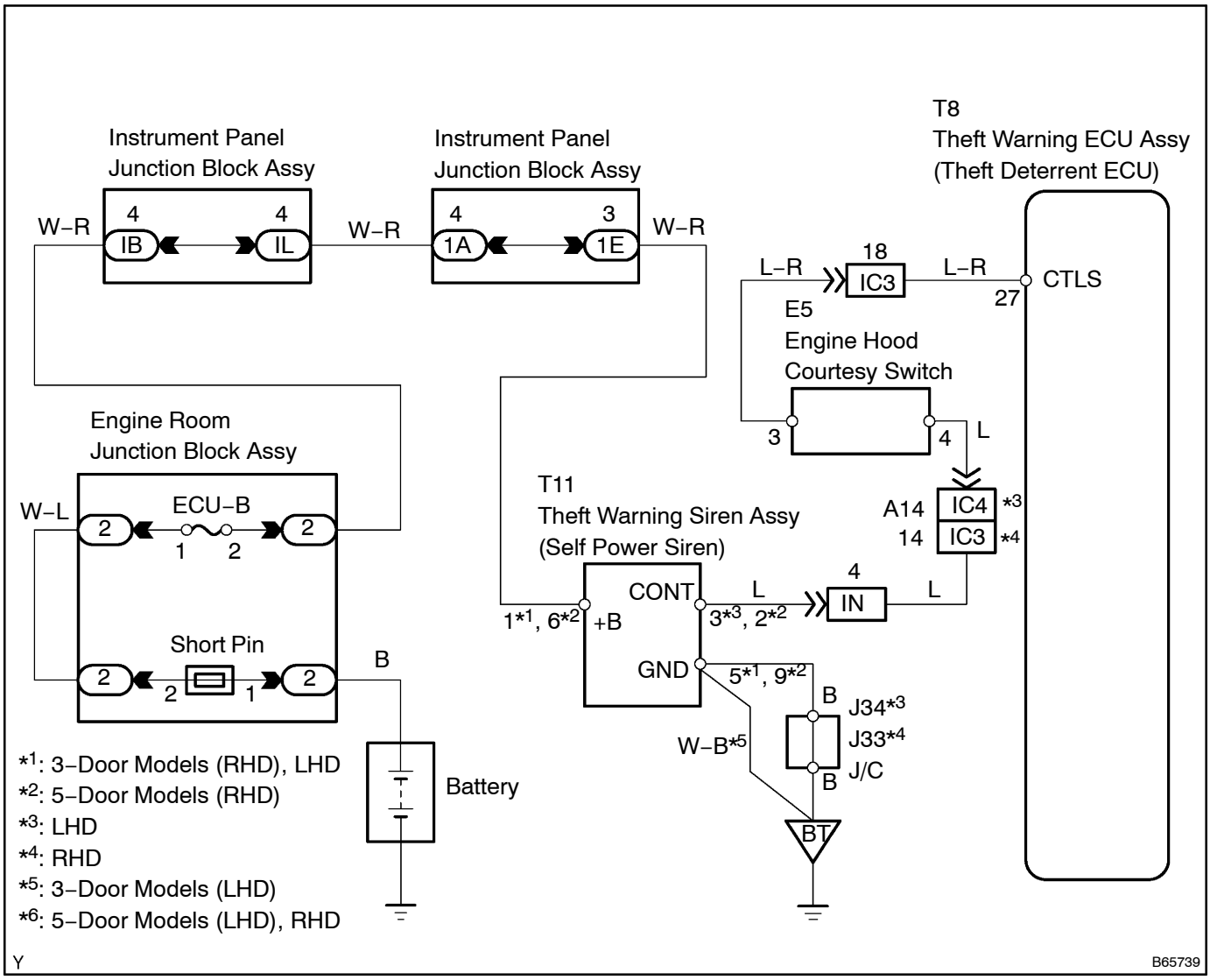
SELF POWER SIREN CIRCUIT

CIRCUIT DESCRIPTION

The self power siren has an internal battery. If any of the vehicle's battery or communication line is opened, the self power siren detects it by itself and sounds. Although the self power siren sounds by receiving a signal from the theft deterrent ECU usually, the self power siren can sound by its internal battery in case that the vehicle's battery is opened.

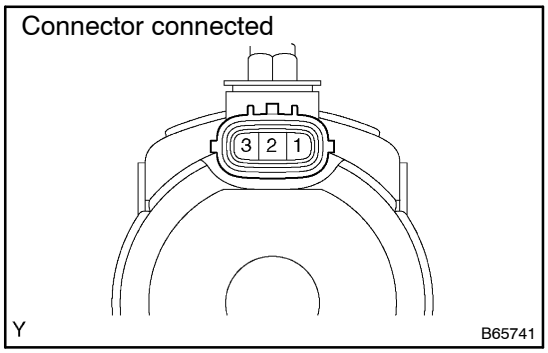
The theft deterrent ECU sends an arming signal to the self power siren while transferring to the armed state, and it also sends a disarming signal to the siren while transferring to the disarmed state. Besides, the theft deterrent ECU can sound the self power siren by sending an alarming signal in the alarm sounding state.

WIRING DIAGRAM



INSPECTION PROCEDURE

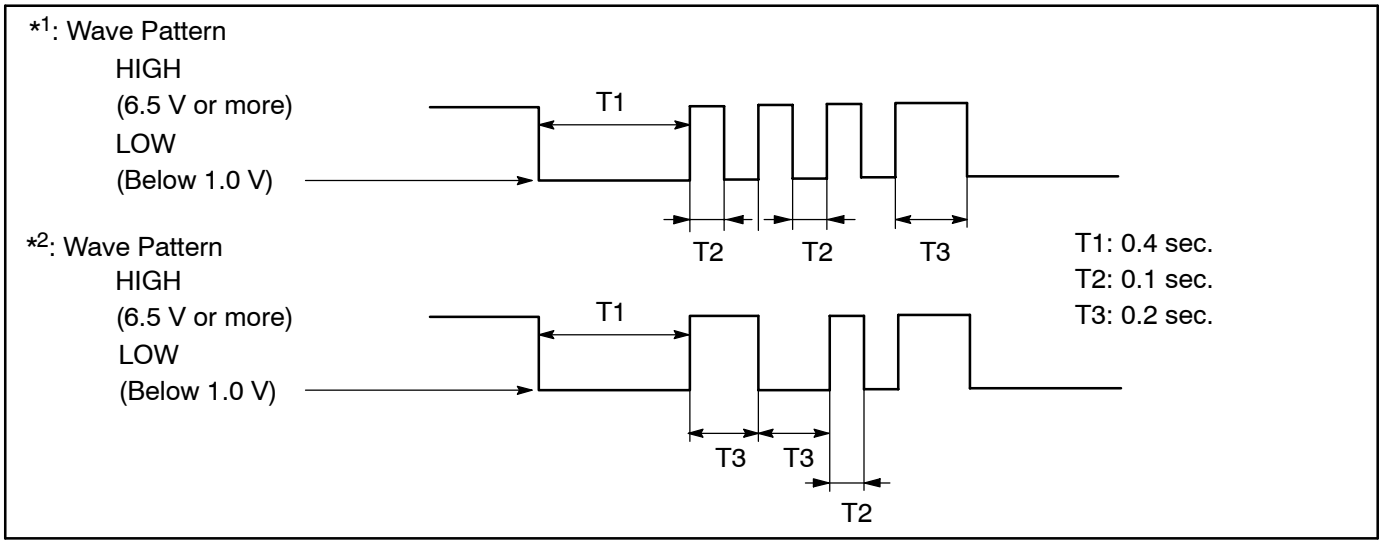
1	CHECK THEFT WARNING SIREN ASSY (SELF POWER SIREN)



(a) Check the self power siren.

Standard:

Terminal No.	Condition	Specified Condition
1 – Ground	Constant	Battery voltage
2 – Ground	Constant	No voltage
3 – Ground	When switched from armed state or arming preparation state to disarmed state	Using an oscilloscope *1
	When switched from the arming preparation state to armed state	Using an oscilloscope *2
	Normal condition	Approx. 1.4 V



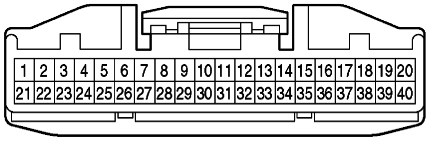
NG → **REPAIR OR REPLACE THEFT WARNING SIREN ASSY**

OK

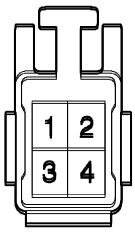
2	CHECK WIRE HARNESS (THEFT WARNING ECU ASSY ⇔ ENGINE HOOD COURTESY SWITCH)

Wire Harness Side

T8
Theft Warning ECU Assy
(Theft Deterrent ECU)



E5
Engine Hood Courtesy Switch



B63408
B62226
B64977

(a) Disconnect the T8 ECU connector.
(b) Disconnect the E5 switch connector.
(c) Check the continuity between the wire harness side connectors.

Standard:

Symbols (Terminal No.)	Specified Condition
CTLS (T8–27) ⇔ – (E5–3)	Continuity

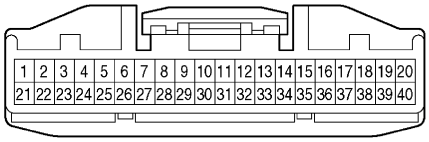
NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

3	CHECK WIRE HARNESS (ENGINE HOOD COURTESY SWITCH ⇔ THEFT WARNING SIREN ASSY)

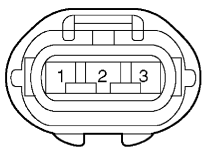
Wire Harness Side

E5
Engine Hood Courtesy Switch

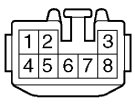


T11
Theft Warning Siren Assy

(LHD)



(RHD)



B63408
B65743 B65742
B66144

(a) Disconnect the E5 switch connector.
(b) Disconnect the T11 siren connector.
(c) Check the continuity between the wire harness side connectors.

Standard (LHD models):

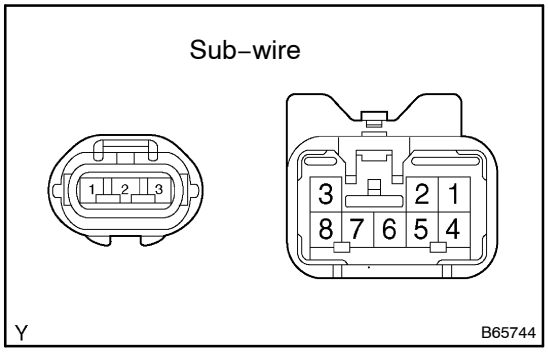
Symbols (Terminal No.)	Specified Condition
E5–3 ⇔ CONT (T11–3)	Continuity

Standard (RHD models (3–Door)):

Symbols (Terminal No.)	Specified Condition
E5–3 ⇔ CONT (T11–3)	Continuity

Standard (RHD models (5–Door)):

Symbols (Terminal No.)	Specified Condition
– (E5–3) ⇔ CONT (T11–2)	Continuity



(d) RHD models (5–Door)) only:
Disconnect the sub–wire connector.

(e) RHD models (5–Door)) only:
Check the voltage between the wire harness side connector and body ground.

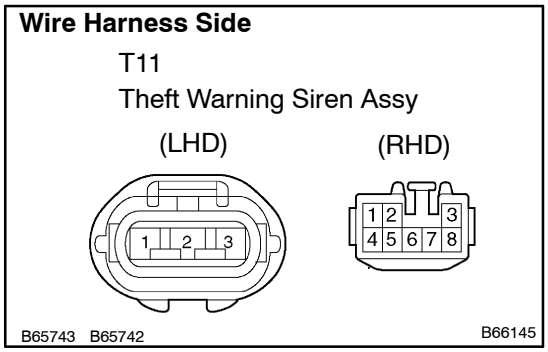
Standard (RHD models (5–Door)):

Symbols (Terminal No.)	Specified Condition
(T11–6) ⇔ Body ground	10 – 14 V

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

OK

4 INSPECT THEFT WARNING SIREN ASSY (SELF POWER SIREN)



(a) Disconnect the T11 siren connector.

(b) Check the voltage between the wire harness side connector and body ground.

Standard (LHD):

Symbols (Terminal No.)	Specified Condition
+B (T11–1) ⇔ Body ground	10 – 14 V

Standard (RHD models (3–Door)):

Symbols (Terminal No.)	Specified Condition
+B (T11–1) ⇔ Body ground	10 – 14 V

Standard (RHD models (5–Door)):

Symbols (Terminal No.)	Specified Condition
+B (T11–6) ⇔ Body ground	10 – 14 V

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

OK

REPAIR OR REPLACE THEFT WARNING ECU ASSY