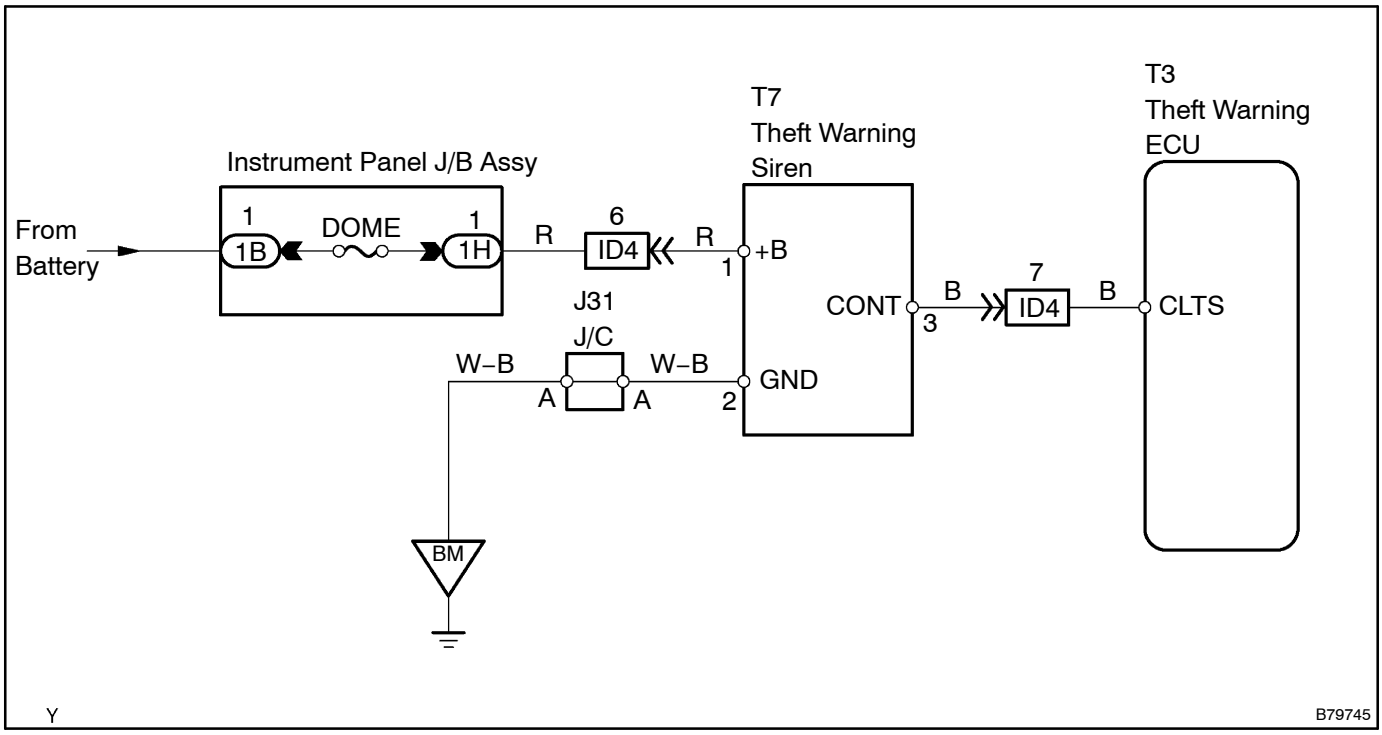
THEFT WARNING SIREN CIRCUIT

CIRCUIT DESCRIPTION

The theft warning siren (self power siren) has an internal battery. If any of the vehicle's battery or communication line is opened, the theft warning siren detects it and sounds by itself. Although the theft warning siren usually sounds by receiving a signal from the theft warning ECU, the theft warning siren can sound with its internal battery in case that the vehicle's battery is disconnected.
The theft warning ECU sends an arming signal to the theft warning siren while switching to the armed state, and it also sends a disarming signal to the siren while switching to the disarmed state. Also, the theft warning ECU can cause the theft warning siren to sound by sending an alarm signal during the alarm sounding state.

WIRING DIAGRAM



INSPECTION PROCEDURE

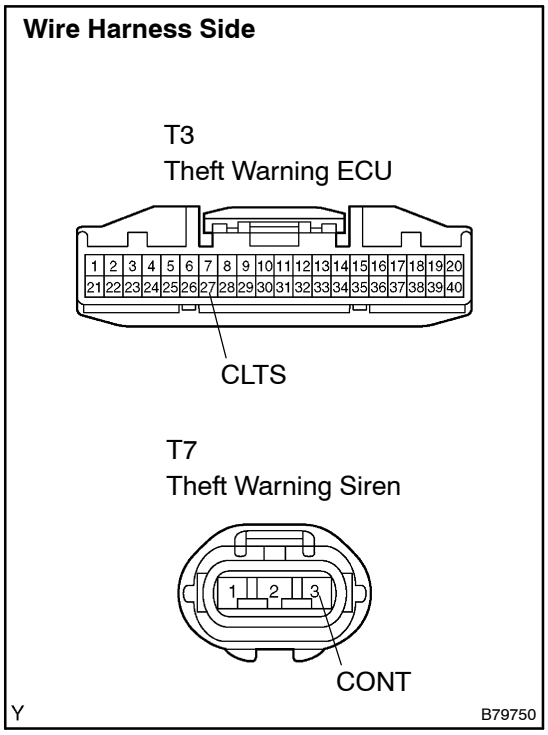
1	INSPECT FUSE (DOME)

(a) Remove the DOME fuse from instrument panel J/B.
(b) Measure the resistance.
OK: Below 1 Ω

NG → **REPLACE FUSE**

OK

2	CHECK WIRE HARNESS (THEFT WARNING SIREN – THEFT WARNING ECU AND BODY GROUND)



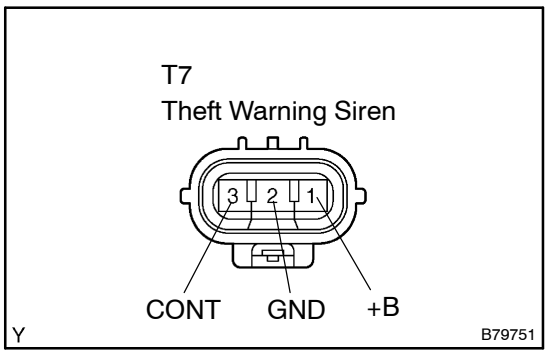
(a) Disconnect the T3 ECU connector.
(b) Disconnect the T7 siren connector.
(c) Measure the resistance between the wire harness side connectors.
Standard:

Tester Connection	Specified Condition
T3–27 (CLTS) – T7–3 (CONT)	Below 1 Ω

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

OK

3 CHECK THEFT WARNING SIREN

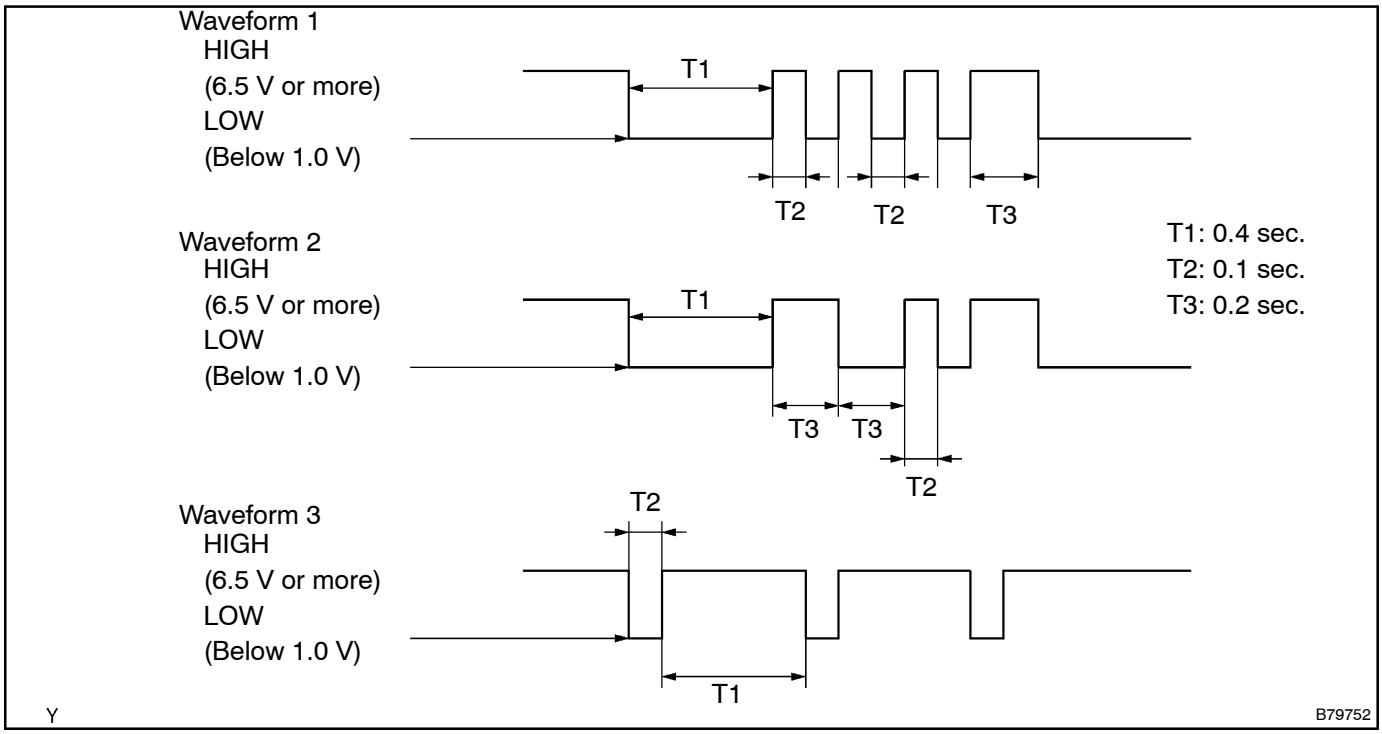


(a) Measure the voltage.

Standard:

Tester Connection	Condition	Specified Condition
T7–1 (+B1) – Body ground	Constant	10 to 14 V
T7–2 (GND) – Body ground	Constant	Below 1 V
T7–3 (CONT) – Body ground	When switched from armed state or arming preparation state to dis-armed state (1)	Pulse generation (see waveform 1)
T7–3 (CONT) – Body ground	When switched from arming preparation state to armed state (2)	Pulse generation (see waveform 2)
T7–3 (CONT) – Body ground	Normal condition (except (1) and (2))	Pulse generation (see waveform 3)

Wave Pattern:



NG → **REPLACE THEFT WARNING SIREN**

OK

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