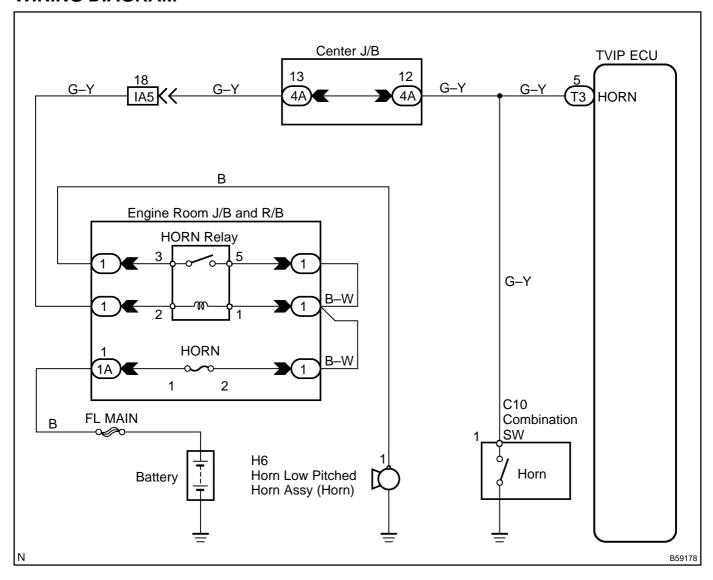
# HORN RELAY CIRCUIT

### **CIRCUIT DESCRIPTION**

When the TVIP system is transferred from the armed state to the alarm sounding state, the TVIP ECU switches on the HORN relay so that it can sound the horns. The horn sounds in 0.4 seconds interval.

### **WIRING DIAGRAM**

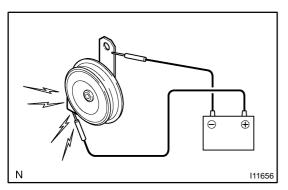


2004 COROLLA (RM1037U)

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## **INSPECTION PROCEDURE**

### 1 CHECK LOW PITCHED HORN ASSY



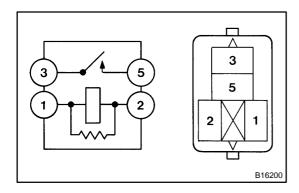
(a) Connect the positive (+) lead from the battery to the terminal and negative (–) lead to the horn body, and check that the horn blows.

NG

REPAIR OR REPLACE LOW PITCHED HORN ASSY

OK

# 2 CHECK RELAY (Marking: HORN)



- (a) Remove the relay from the engine room J/B.
- (b) Check the horn relay continuity, as shown in the illustration and table.

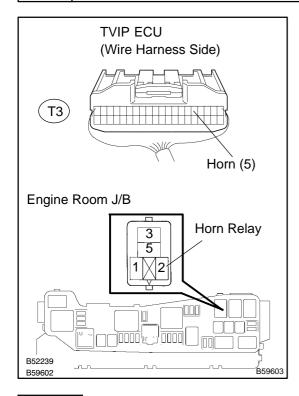
#### Standard:

Terminal No.	Condition	Specified condition
1 ⇔ 2	Constant	Continuity
3⇔5	Apply B+ between terminals 1 and 2	Continuity

NG > REPLACE RELAY

ок

# 3 | CHECK WIRE HARNESS (TVIP ECU ⇔ ENGINE ROOM J/B)



- (a) Remove the horn relay from the engine room J/B.
- (b) Check the continuity between the terminals of the TVIP ECU and engine room J/B connectors, as shown in the illustration and table.

#### Standard:

Symbols (Terminal No.) (TVIP ECU ⇔ Engine room J/B)	Specified condition
HORN (T3–5) ⇔ 2*	Continuity

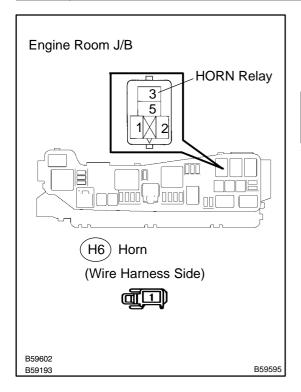
<sup>\*:</sup> Horn relay terminal.

NG`

REPAIR OR REPLACE WIRE HARNESS AND CONNECTOR

OK

# 4 CHECK WIRE HARNESS (ENGINE ROOM J/B ⇔ HORN)



(a) Check the continuity between the terminals of the engine room J/B and horn connectors, as shown in the illustration and table.

#### Standard:

Symbols (Terminal No.) (Engine room J/B ⇔ Horn)	Specified condition
3* ⇔ Horn (H6–1)	Continuity

<sup>\*:</sup> Horn relay terminal.

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REPAIR OR REPLACE WIRE HARNESS AND CONNECTOR

OK

CHECK AND REPLACE TVIP ECU (See page 01-30)

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