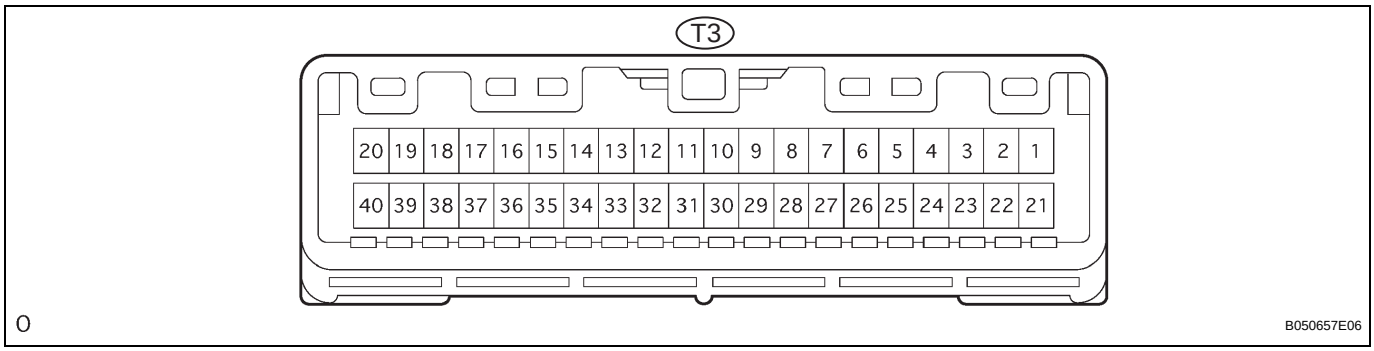
TERMINALS OF ECU

1. INSPECT TVIP ECU

(a) Disconnect the T3 ECU connector.



(b) Measure the resistance and voltage of the connector.

Standard

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
E (T3-29) - Body ground	W-B - Body ground	Always	Below 1 Ω
+B1 (T3-2) - Body ground	R-B - Body ground	Always	10 to 14 V
CTY (T3-19) - Body ground	R - Body ground	• Front passenger's door fully closed → Opened • Rear right door fully closed → Opened • Rear left door fully closed → Opened • Grass hatch fully closed → Opened • Back door fully closed → Opened	10 kΩ or higher → Below 1 Ω
DSWD (T3-40) - Body ground	R-W - Body ground	Driver's door fully closed → Opened	10 kΩ or higher → Below 1 Ω
KSW (T3-12) - Body ground	L-B - Body ground	No key in ignition key cylinder → Key inserted	0 V → 10 to 14 V
L2 (T3-16) - Body ground	G - Body ground	Driver's door lock UNLOCK → LOCK	0 V → 10 to 14 V → Below 1 V
UL3 (T3-17) - Body ground	L-Y - Body ground	Driver's door lock LOCK → UNLOCK	0 V → 10 to 14 V → Below 1 V
UL2 (T3-18) - Body ground	L-B - Body ground	Front passenger's door lock LOCK → UNLOCK	0 V → 10 to 14 V → Below 1 V
IRSG (T3-28) - Body ground	W - Body ground	Driver's door lock LOCK → UNLOCK	Pulse generation
IG (T3-10) - Body ground	B-W - Body ground	Ignition switch OFF → ON	0 V → 10 to 14 V
SRLY (T3-21) - Body ground	B-R - Body ground	Ignition switch OFF → ON	0 V → 10 to 14 V
LSWD (T3-37) - Body ground	W - Body ground	Driver's door UNLOCK → LOCK	0 V → 10 to 14 V
LSWP (T3-38) - Body ground	W-R - Body ground	Front passenger's door UNLOCK → LOCK	0 V → 10 to 14 V

If the result is not as specified, there may be a malfunction on the wire harness side.

(c) Reconnect the T3 ECU connector. Measure the resistance of the terminals.

(d) Measure the resistance and voltage of connectors.

Standard voltage

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
DMPL (T3-9) - E (T3-29)	R-W - W-B	Armed state → Alarm sounding state	Pulse generation
HEAD (T3-6) - E (T3-29)	R - W-B	Light control switch position HEAD → OFF or TAIL	Below 1 V → 10 to 14 V
HZAD (T3-8) - E (T3-29)	Y-B - W-B	Armed state → Alarm sounding state	Pulse generation

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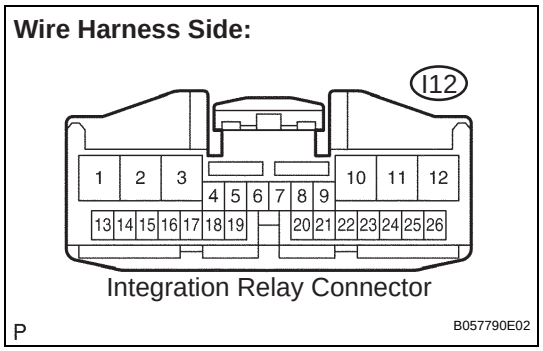
Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
IND (T3-25) - E (T3-29)	R-W - W-B	Security indicator lights up. (30 sec. duration)	10 to 14 V
IOUT (T3-11) - E (T3-29)	L - W-B	Armed state → Alarm sounding state (on glass breakage detection)	Pulse generation
HORN (T3-5) - E (T3-29)	G-Y - W-B	Armed state → Alarm sounding state	Pulse generation

If the result is not as specified, the TVIP ECU may have a malfunction.



2. INSPECT INTEGRATION RELAY

(a) Disconnect the I12 relay connector.

(b) Measure the resistance of the connector.

Standard resistance

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
PCTY (I12-13) - Body ground	R-W - Body ground	Front passenger's door fully closed → Opened	10 kΩ or higher → Below 1 Ω

If the result is not as specified, there may be a malfunction on the wire harness side.

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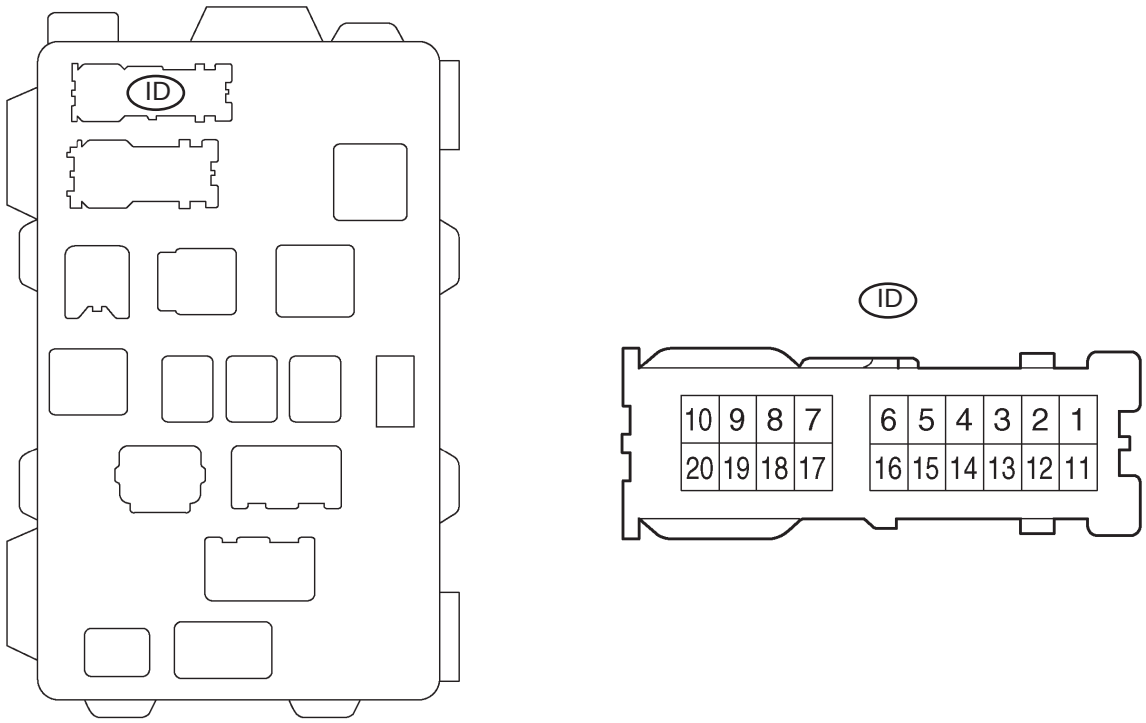
3. INSPECT INSTRUMENT PANEL J/B (INTEGRATION RELAY)

(a) Disconnect the ID J/B connector of the instrument panel J/B.

Instrument Panel J/B (Integration Relay):



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(b) Measure the resistance of the wire harness side connector.

Standard resistance

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
DCTY (ID-1) - Body ground	R-W - Body ground	Driver's door fully closed → Opened	10 kΩ or higher → Below 1 Ω
P-DR (ID-14) - Body ground	R-B - Body ground	Rear LH door fully closed → Opened	10 kΩ or higher → Below 1 Ω
P-DR (ID-15) - Body ground	R-Y - Body ground	Rear RH door fully closed → Opened	10 kΩ or higher → Below 1 Ω

If the result is not as specified, there may be a malfunction on the wire harness side.

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