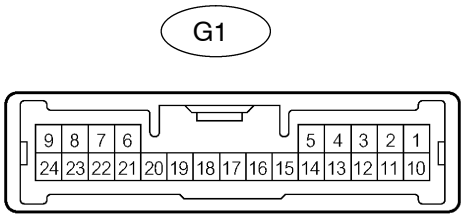
05IJD–01

TERMINALS OF ECU

1. CHECK GATEWAY ECU



B75719

(a) Disconnect the G1 ECU connector.

(b) Measure the voltage and resistance between each terminal of the wire harness side connector and body ground.

Standard:

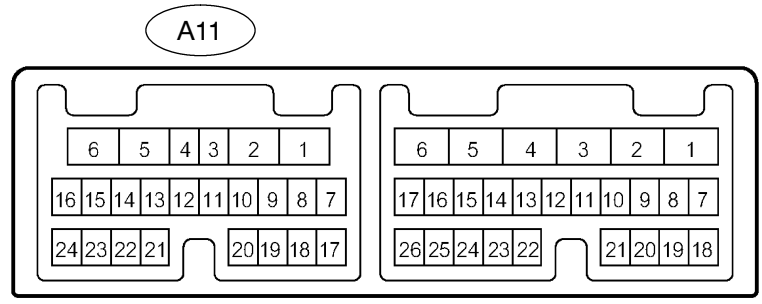
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BATT (G1–10) – Body ground	Y – Body ground	+B (BATT) power supply	Constant	10 to 14 V
IG (G1–1) – Body ground	B – Body ground	Ignition power supply	Ignition switch ON	10 to 14 V
ACC (G1–2) – Body ground	P – Body ground	ACC power supply	Ignition switch ACC	10 to 14 V
SIL (G1–7) – Body ground	W – Body ground	Bus "+" line	During transmission	Pulse generation
MPD1 (G1–3) – Body ground	GR*1 – Body ground B*2 – Body ground	MPX line	Constant	10 kΩ or higher
MPD2 (G1–12) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
GTX+ (G1–6) – Body ground	B – Body ground	AVC–LAN line	Constant	10 kΩ or higher
GTX– (G1–21) – Body ground	W – Body ground	AVC–LAN line	Constant	10 kΩ or higher
GND (G1–24) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

*1: LHD

*2: RHD

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

2. CHECK A/C ECU



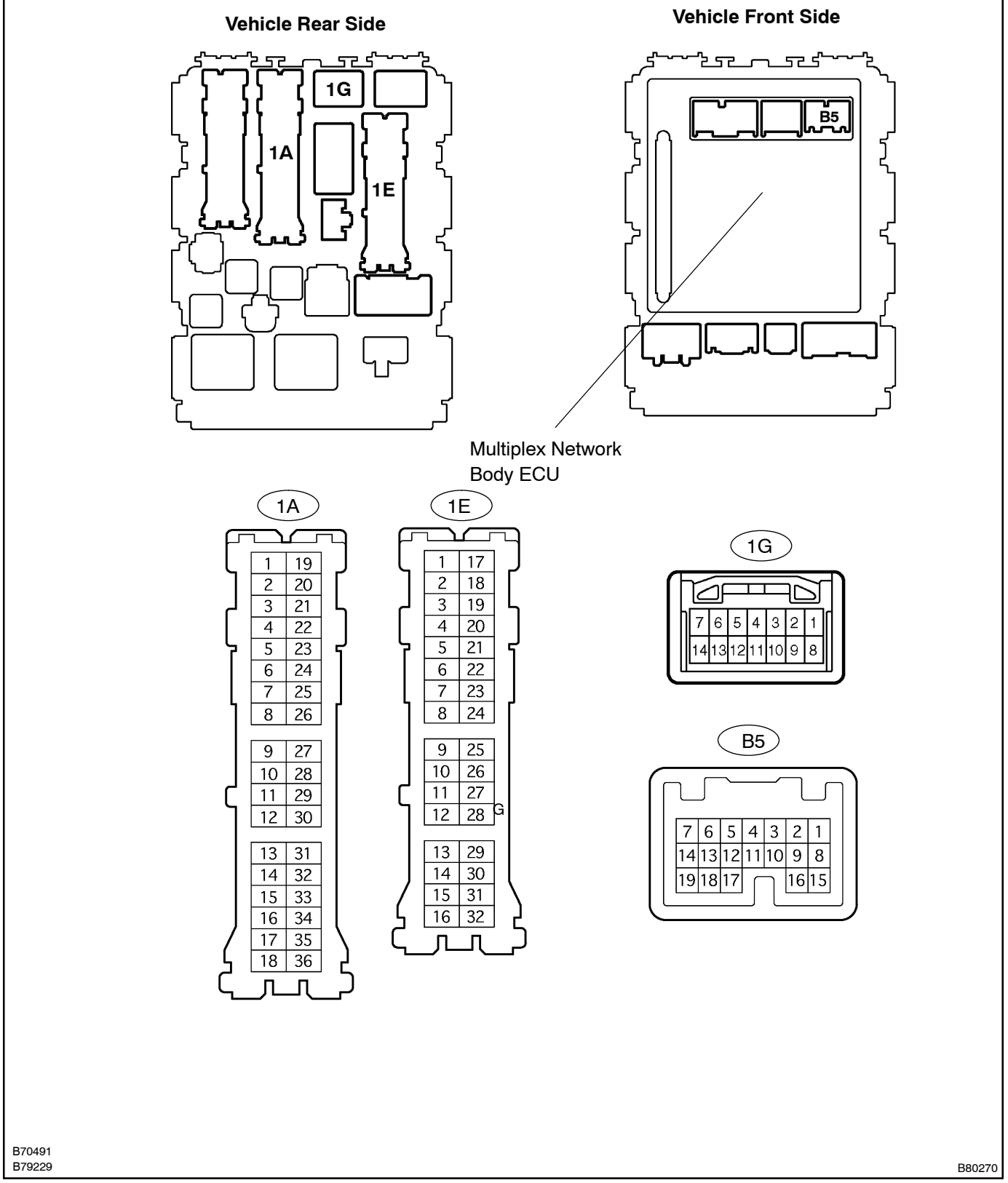
B75722 B79225

(a) Disconnect the A11 ECU connector.
(b) Measure the voltage and resistance between each terminal of the wire harness side connector and body ground.
Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B (A11–6) – Body ground	Y – Body ground	+B power supply	Constant	10 to 14 V
MPX+ (A11–3) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
MPX2 (A11–11) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
GND (A11–1) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

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

3. CHECK INSTRUMENT PANEL J/B ASSY (MULTIPLEX NETWORK BODY ECU)



B70491
B79229

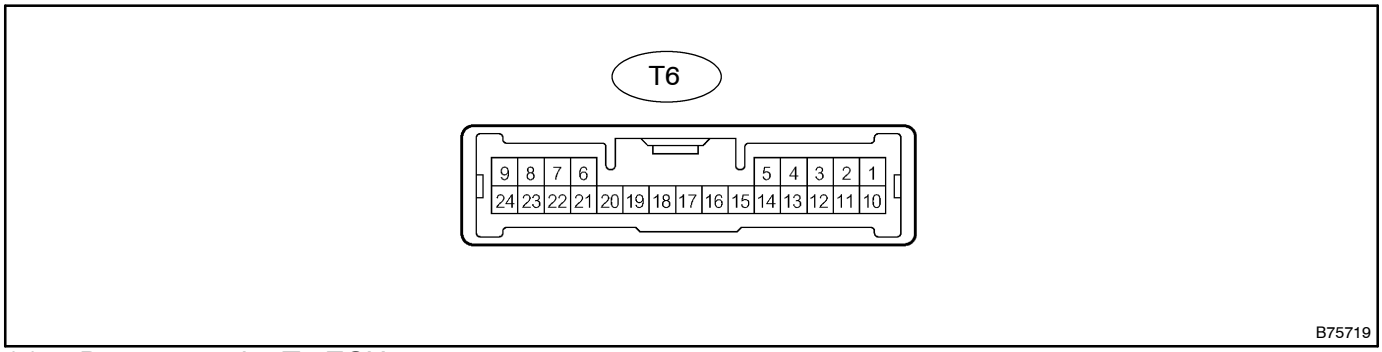
B80270

(a) Disconnect the B5 ECU connector.
(b) Disconnect the 1A, 1E and 1G J/B connectors.
(c) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
ECUB (1A–30) – Body ground	R – Body ground	+B (ECUB) power supply	Constant	10 to 14 V
MPX1 (1G–9) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
MPX2 (B5–15) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
GND (1E–17) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

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

4. CHECK TRANSPONDER KEY ECU

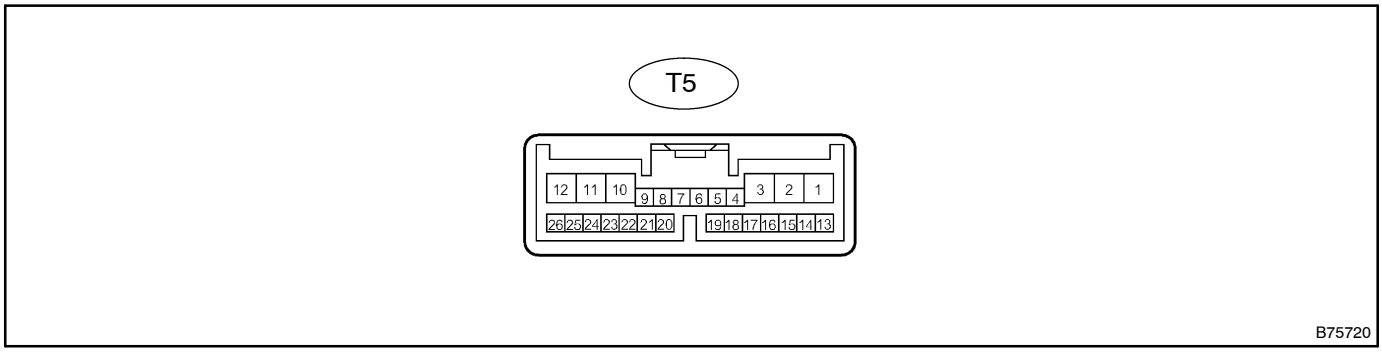


(a) Disconnect the T6 ECU connector.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
IG (T6–4) – Body ground	R – Body ground	+B (IG) power supply	Constant	10 to 14 V
MPX1 (T6–17) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
MPX2 (T6–16) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
GND (T6–22) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

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

5. CHECK TRANSMISSION CONTROL ECU

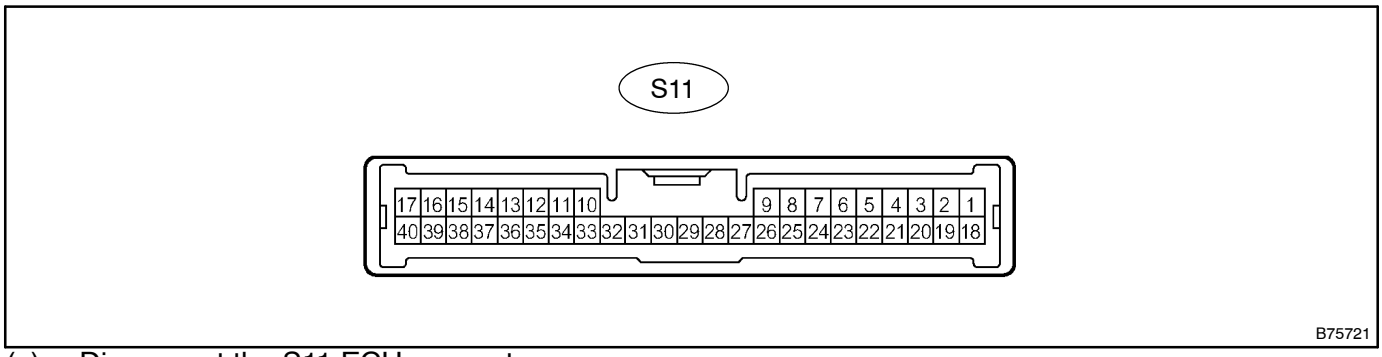


(a) Disconnect the T5 ECU connector.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B (T5–1) – Body ground	L – Body ground	+B (+B) power supply	Constant	10 to 14 V
MPX1 (T5–19) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
MPX2 (T5–18) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
E1 (T5–15) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

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

6. w/ Smart Entry System: CHECK SMART ECU

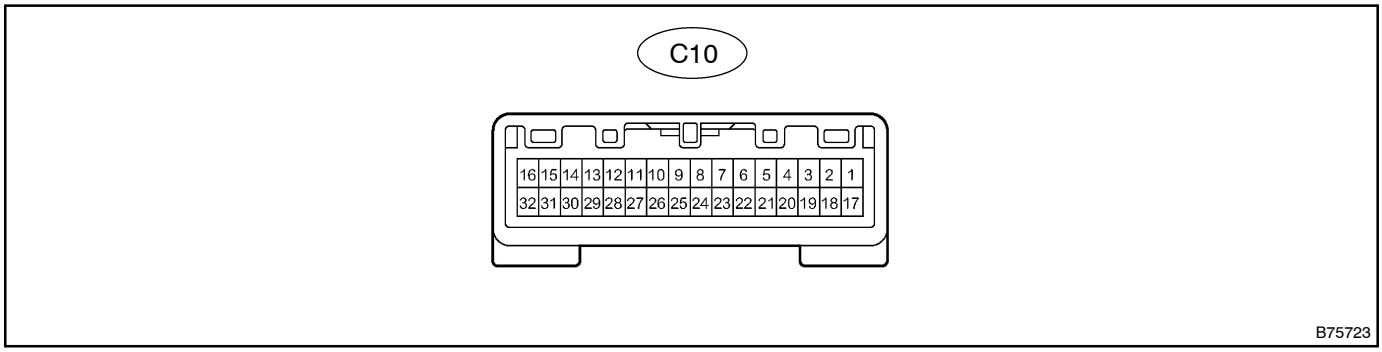


(a) Disconnect the S11 ECU connector.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B1 (S11–1) – Body ground	Y – Body ground	+B (+B1) power supply	Constant	10 to 14 V
MPX1 (S11–31) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
MPX2 (S11–32) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
E (S11–17) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

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

7. CHECK METER ECU (COMBINATION METER)



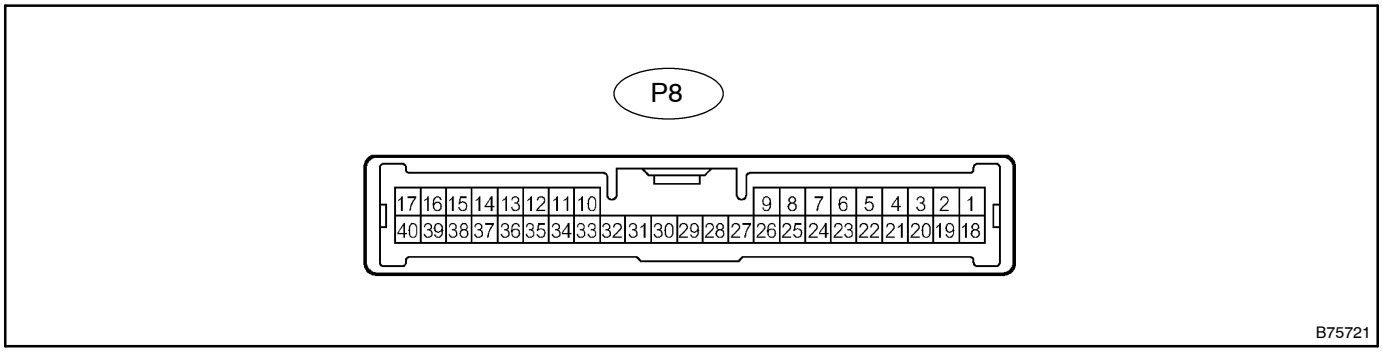
(a) Disconnect the C10 ECU connector.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector and body ground.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
C10–21 – Body ground	Y*1 – Body ground R*2 – Body ground	+B power supply	Constant	10 to 14 V
MPX+ (C10–24) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
MPX– (C10–25) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
C10–14 – Body ground	BR – Body ground	Ground	Constant	Below 1 Ω

If the result is not as specified, there may be a malfunction on the wire harness side.
*1: LHD
*2: RHD

8. CHECK POWER SOURCE CONTROL ECU

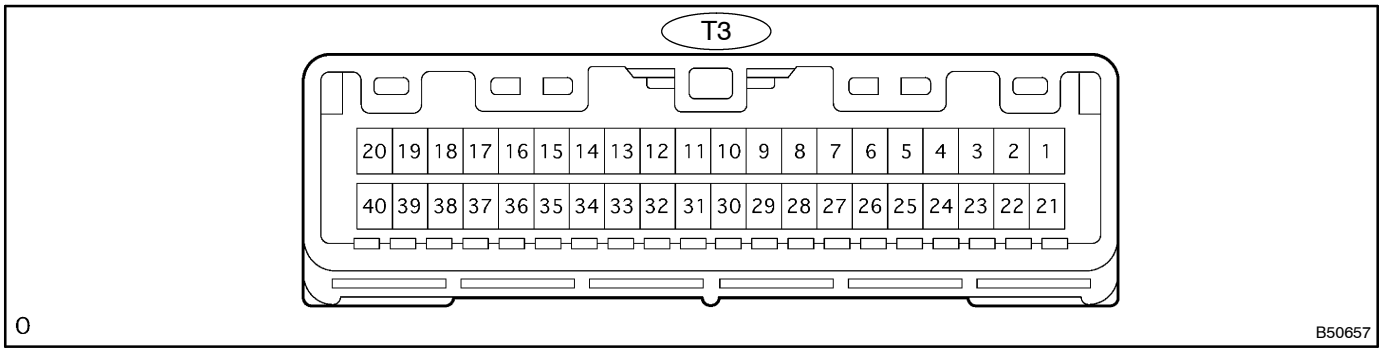


(a) Disconnect the P8 ECU connector.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
AM1 (P8–33) – Body ground	R – Body ground	+B (AM1) power supply	Constant	10 to 14 V
MPX1 (P8–7) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
MPX2 (P8–24) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
GND2 (P8–6) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

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

9. RHD Except Australia, Singapore, Hong Kong: CHECK THEFT DETERRENT ECU



(a) Disconnect the T3 ECU connector.

(b) Measure the voltage and resistance of each terminal of the wire harness side connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
+B1 (T3–2) – Body ground	R – Body ground	+B (+B1) power supply	Constant	10 to 14 V
MPX1 (T3–31) – Body ground	GR – Body ground	MPX line	Constant	10 kΩ or higher
MPX2 (T3–32) – Body ground	B – Body ground	MPX line	Constant	10 kΩ or higher
E (T3–29) – Body ground	W–B – Body ground	Ground	Constant	Below 1 Ω

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