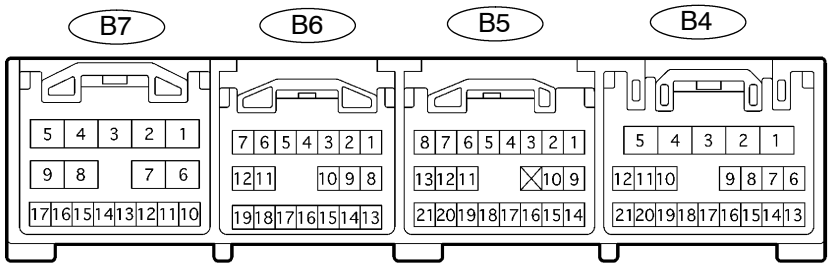
05JWE–01

TERMINALS OF ECU

1. CHECK MULTIPLEX NETWORK BODY ECU



O

B51823

(a) Disconnect the B4, B5 and B7 ECU connectors.

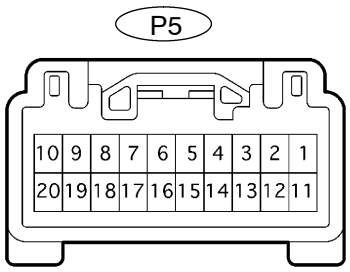
(b) Measure the voltage and resistance of each terminal of the wire harness side connectors.

Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
BECU (B7–9) – GND1 (B7–7)	G – W–B	Constant	10 to 14 V
MPX1 (B5–6) – Body ground	W – Body ground	Constant	10 kΩ or higher
MPX2 (B4–10) – Body ground	O – Body ground	Constant	10 kΩ or higher
GND1 (B7–7) – Body ground	W–B – Body ground	Constant	Below 1 Ω
GND2 (B4–2) – Body ground	W–B – Body ground	Constant	Below 1 Ω

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

2. CHECK POWER WINDOW REGULATOR MASTER SWITCH ASSY (DOOR ECU)



O

B51239

(a) Disconnect the P5 switch connector.

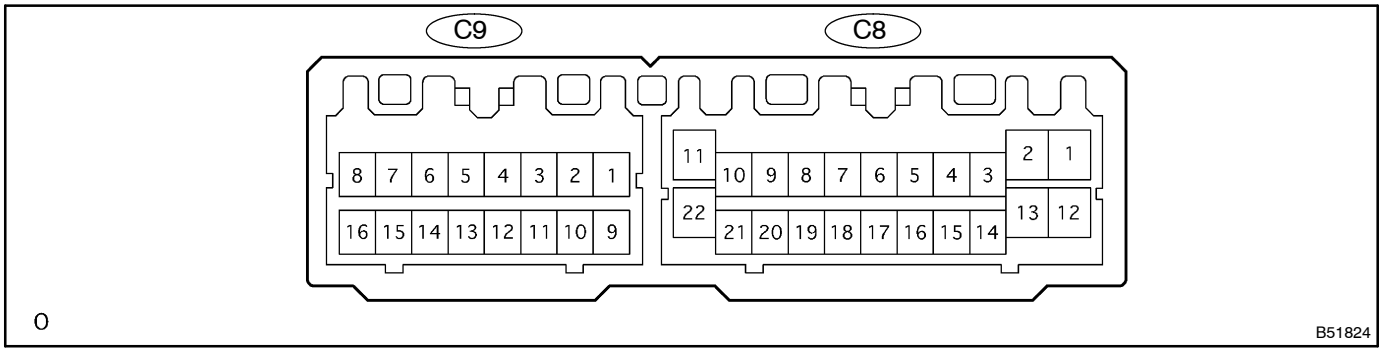
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.

Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
BDR (P5–10) – GND (P5–2)	G – W–B	Constant	10 to 14 V
CPUB (P5–9) – GND (P5–2)	L – W–B	Constant	10 to 14 V
MPX1 (P5–7) – Body ground	V – Body ground	Constant	10 kΩ or higher
MPX2 (P5–8) – Body ground	GR – Body ground	Constant	10 kΩ or higher
GND (P5–2) – Body ground	W–B – Body ground	Constant	Below 1 Ω

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

3. CHECK COMBINATION METER ASSY (METER ECU)

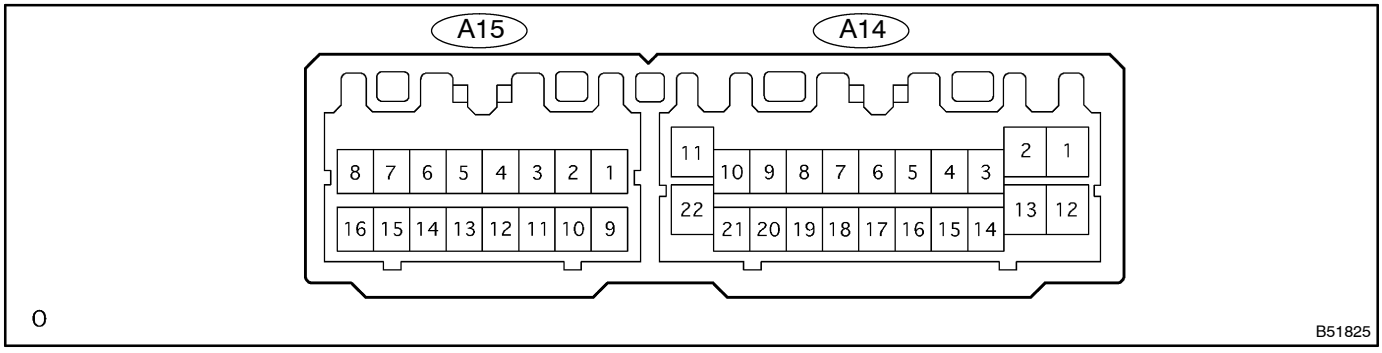


(a) Disconnect the C8 and C9 meter connectors.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
B (C8–2) – E2 (C8–22)	LG – W–B	Constant	10 to 14 V
B2 (C8–12) – E2 (C8–22)	V – W–B	Constant	10 to 14 V
MPX+ (C9–9) – Body ground	SB – Body ground	Constant	10 kΩ or higher
MPX– (C8–21) – Body ground	Y – Body ground	Constant	10 kΩ or higher
E2 (C8–22) – Body ground	W–B – Body ground	Constant	Below 1 Ω

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

4. CHECK A/C AMPLIFIER ASSY (A/C ECU)

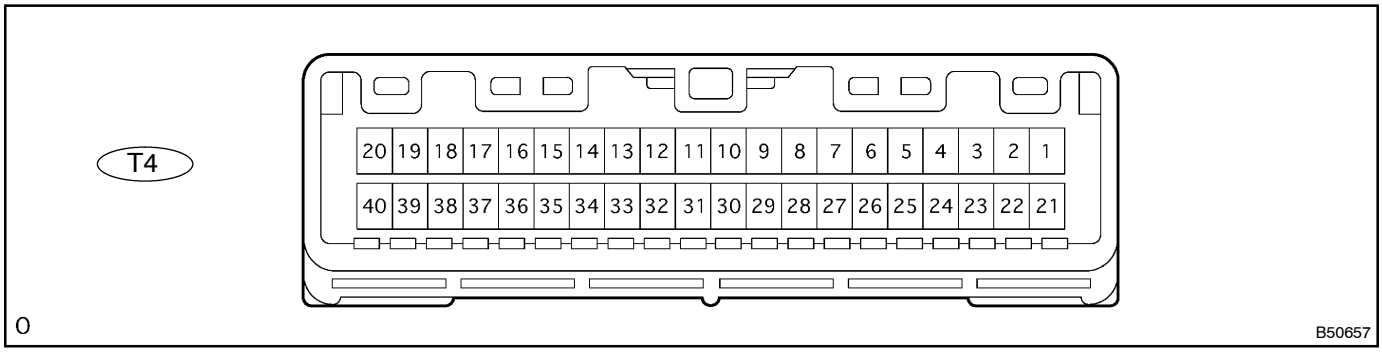


(a) Disconnect the A14 and A15 amplifier connectors.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
+B (A14–12) – GND (A14–11)	W – W–B	Constant	10 to 14 V
MPX+ (A15–2)*1 – Body ground	V – Body ground	Constant	10 kΩ or higher
MPX+ (A15–2)*2 – Body ground	G–B – Body ground	Constant	10 kΩ or higher
MPX– (A14–9) – Body ground	G – Body ground	Constant	10 kΩ or higher
GND (A14–11) – Body ground	W–B – Body ground	Constant	Below 1 Ω

If the result is not as specified, there may be a malfunction on the wire harness side.
*1: w/ Navigation System
*2: w/o Navigation System

5. CHECK THEFT WARNING ECU ASSY (THEFT DETERRENT ECU)

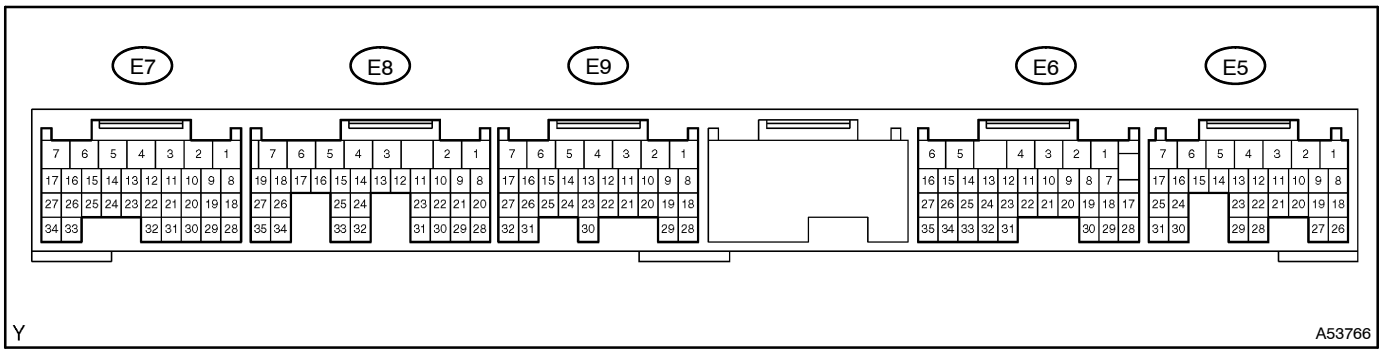


(a) Disconnect the T4 ECU connector.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
+B1 (T4–2) – E (T4–29)	O – W–B	Constant	10 to 14 V
+B2 (T4–3) – E (T4–29)	L – W–B	Constant	10 to 14 V
MPX1 (T4–31) – Body ground	V – Body ground	Constant	10 kΩ or higher
E (T4–29) – Body ground	W–B – Body ground	Constant	Below 1 Ω

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

6. CHECK ECM

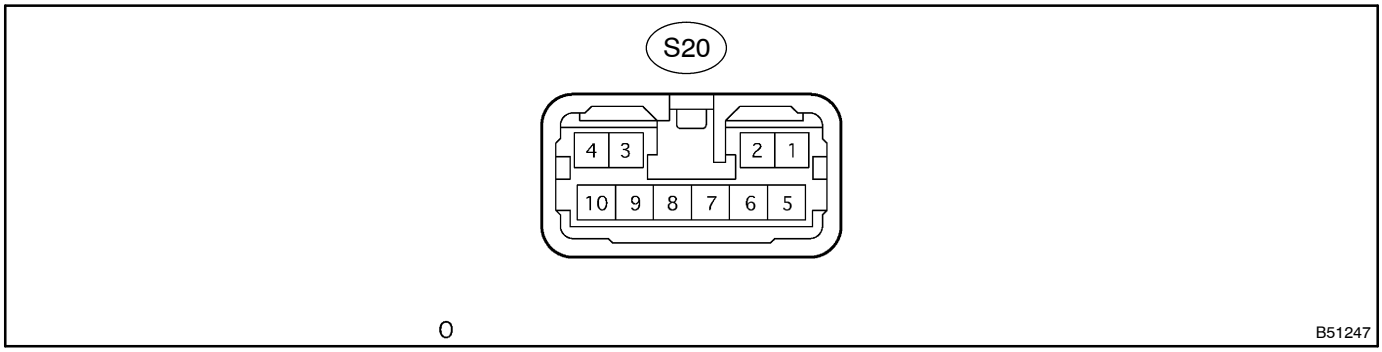


(a) Disconnect the E5, E6, and E9 ECM connectors.
(b) Measure the voltage and resistance of each terminal of the wire harness side connectors.
Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
+B (E5–1) – E1 (E9–1)	W – BR	Engine stopped, ignition switch ON	9 to 14 V
BATT (E5–3) – E1 (E9–1)	BR – BR	Constant	9 to 14 V
MPX1 (E6–18) – Body ground	W – Body ground	Constant	10 kΩ or higher
MPX2 (E6–29) – Body ground	GR – Body ground	Constant	10 kΩ or higher
E1 (E9–1) – Body ground	BR – Body ground	Constant	Below 1 Ω

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

7. CHECK SLIDING ROOF DRIVE GEAR SUB–ASSY (SLIDING ROOF ECU)



(a) Disconnect the S20 sliding roof ECU connector.
(b) Measure the voltage and resistance of each terminal of the wire harness side connector.
Standard:

Symbols (Terminal No.)	Wiring Color	Condition	Specified Condition
+B (S20–1) – E (S20–7)	L – W–B	Constant	10 to 14 V
MPX1 (S20–10) – Body ground	Y – Body ground	Constant	10 kΩ or higher
E (S20–7) – Body ground	W–B – Body ground	Constant	Below 1 Ω

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