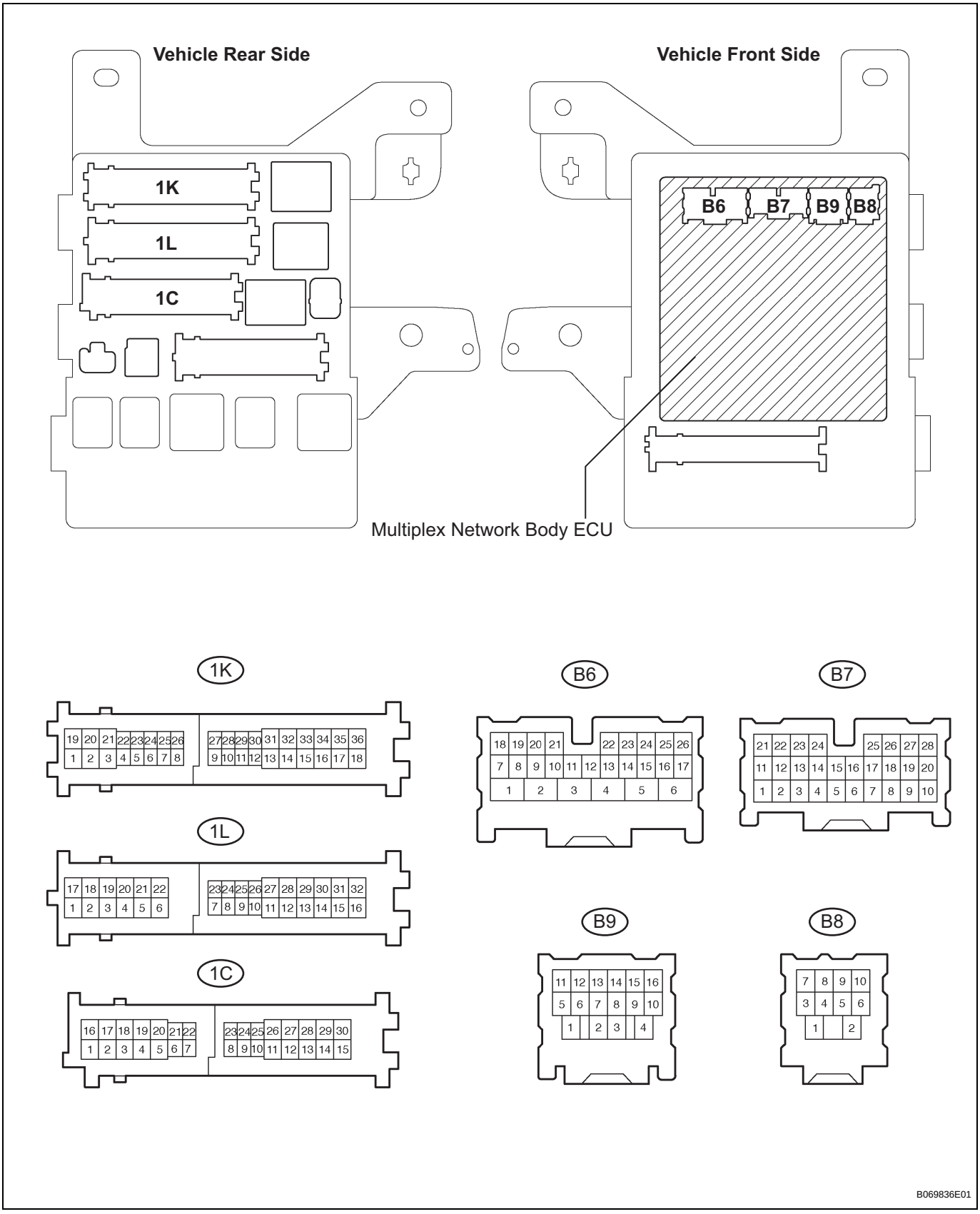
TERMINALS OF ECU

1. CHECK DRIVER SIDE J/B ASSEMBLY (MULTIPLEX NETWORK BODY ECU)

(a) Disconnect the B6, 1C, 1K and 1L J/B connectors.



(b) Measure the voltage and resistance according to the value(s) in the table below.

Standard resistance

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
BECU (1C-24) - Body ground	W-L - Body ground	+B (BECU) power supply	Always	10 to 14 V
BECU (1L-7) - Body ground	W-L - Body ground	+B (BECU) power supply	Always	10 to 14 V
GND1 (1L-16) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
GND2 (1K-17) - Body ground	W-B - Body ground	Ground	Always	Below 1 Ω
KSW (B6-21) - Body ground	L-B - Body ground	Key unlock warning switch input	No key in ignition key cylinder → Key inserted	10 kΩ or higher → Below 1 Ω

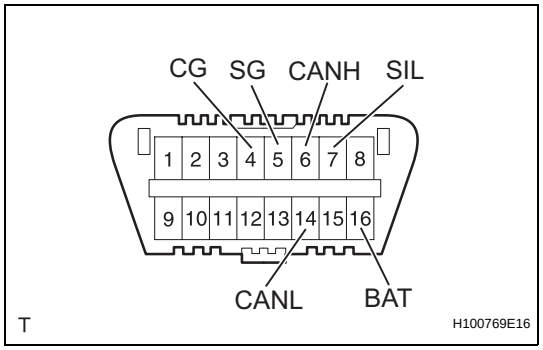
HINT:
If the result is not as specified, there may be a malfunction on the wire harness side.

(c) Reconnect the 1C, 1K, 1L and B6 connectors.

(d) Measure the voltage according to the value(s) in the table below.

Standard voltage

Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
DCTY (B9-14) - Body ground	R-Y - Body ground	Driver door courtesy switch input	Driver door CLOSED → OPEN	10 to 14 → 0 V



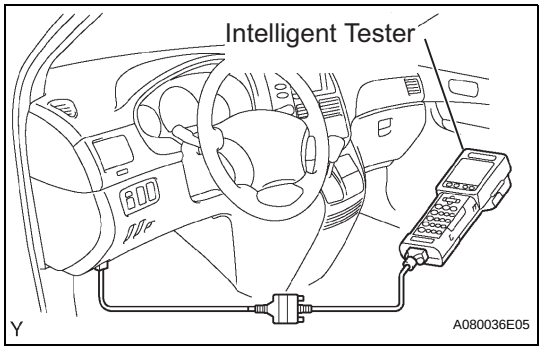
DIAGNOSIS SYSTEM

1. CHECK DLC3

(a) The vehicle's ECU uses ISO 15765-4 for communication protocol. The terminal arrangement of the DLC3 complies with SAE J1962 and matches the ISO 15765-4 format.

Symbols (Terminal No.)	Terminal Description	Condition	Specified Condition
SIL (7) - SG (5)	Bus "+" line	During transmission	Pulse generation
CG (4) - Body ground	Chassis ground	Always	Below 1 Ω
SG (5) - Body ground	Signal ground	Always	Below 1 Ω
BAT (16) - Body ground	Battery positive	Always	10 to 14 V
CANH (6) - CANL (14)	CAN bus line	Ignition switch OFF*	54 to 69 Ω
CANH (6) - CG (4)	HIGH-level CAN bus line	Ignition switch OFF*	200 Ω or higher
CANL (14) - CG (4)	LOW-level CAN bus line	Ignition switch OFF*	200 Ω or higher
CANH (6) - BAT (16)	HIGH-level CAN bus line	Ignition switch OFF*	6 kΩ or higher
CANL (14) - BAT (16)	LOW-level CAN bus line	Ignition switch OFF*	6 kΩ or higher

NOTICE:
***: Before measuring the resistance, leave the vehicle as is for at least 1 minute and do not operate the ignition switch, any other switches or the doors.**
If the result is not as specified, the DLC3 may have a malfunction. Repair or replace the harness and connector.



(b) Connect the cable of the intelligent tester to the DLC3, turn the ignition switch to the ON position and attempt to use the intelligent tester. If the screen displays a communication error message, a problem exists in the vehicle side of the tester side.
HINT:
- If communication is normal when the tool is connected to another vehicle, inspect the DLC3 on the original vehicle.
- If communication is still impossible when the tool is connected to another vehicle, the problem is probably in the tool itself. Consult the Service Department listed in the tool's instruction manual.