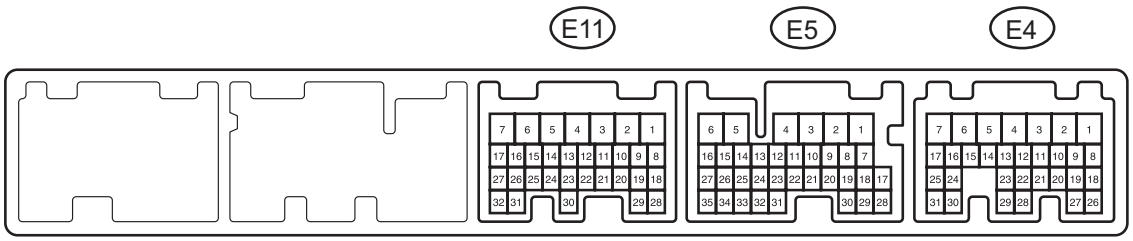
TERMINALS OF ECM

1. CHECK ECM



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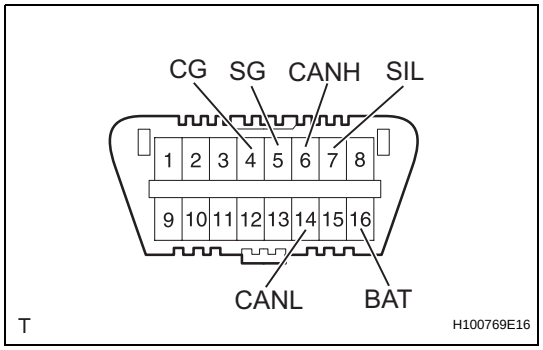
Symbols (Terminal No.)	Wiring Color	Terminal Description	Condition	Specified Condition
E4-15 (STP) - E11-1 (E1)	G-W - BR	Stop light signal	Ignition switch on, Depress brake pedal	10 to 14 V
E4-15 (STP) - E11-1 (E1)	G-W - BR	Stop light signal	Ignition switch on, Release brake pedal	Below 1 V
E4-16 (ST1-) - E11-1 (E1)	LG-R - BR	Stop light signal	Ignition switch on, Depress brake pedal	Below 1 V
E4-16 (ST1-) - E11-1 (E1)	LG-R - BR	Stop light signal	Ignition switch on, Release brake pedal	10 to 14 V
E4-23 (TC) - E11-1 (E1)	P-B - BR	Terminal TC of DLC3	Ignition switch on	10 to 14 V
E4-23 (TC) - E11-1 (E1)	P-B - BR	Terminal TC of DLC3	Connect terminals TC and CG of DLC3	Below 1 V
E5-2 (CCS) - E11-1 (E1)	B - BR	Cruise control main switch circuit	Ignition switch on	10 to 14 V
E5-2 (CCS) - E11-1 (E1)	B - BR	Cruise control main switch circuit	CANCEL switch ON	6.6 to 10.1 V
E5-2 (CCS) - E11-1 (E1)	B - BR	Cruise control main switch circuit	SET/COAST switch ON	4.5 to 7.1 V
E5-2 (CCS) - E11-1 (E1)	B - BR	Cruise control main switch circuit	RES/ACC switch ON	2.3 to 4.0 V
E5-2 (CCS) - E11-1 (E1)	B - BR	Cruise control main switch circuit	MAIN switch ON	Below 1 V



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DIAGNOSIS SYSTEM

1. CHECK DLC3

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

Terminal No. (Symbols)	Terminal Description	Condition	Specified Condition
SIL (7) - SG (5)	Bus "+" line	During transmission	Pulse generation

Terminal No. (Symbols)	Terminal Description	Condition	Specified Condition
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	11 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 tester. If the display indicates that a communication error has occurred, there is a problem either with the vehicle or with the tester.

- If communication is normal when the tester is connected to another vehicle, inspect the DLC3 of the original vehicle.
- If communication is still not possible when the tester is connected to another vehicle, the problem may be in the tester itself. Consult the Service Department listed in the tester's instruction manual.

2. CHECK INDICATOR

(a) Turn the ignition switch to the ON position.

