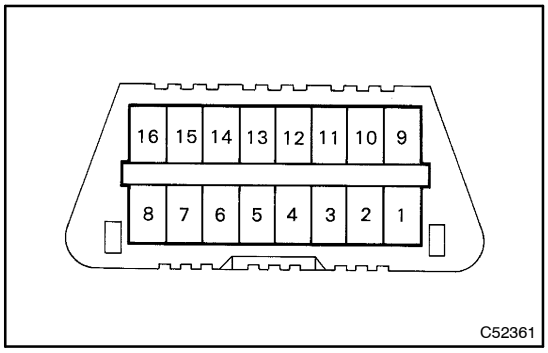
05IJW–02

DIAGNOSIS SYSTEM



1. CHECK THE DLC3

(a) Check the DLC3:

The power steering ECU assy uses CAN and ISO 9141–2 (Euro–OBD)/ISO 14230 (M–OBD) for communication protocol. The terminal arrangement of the DLC3 complies with ISO 15031–3 and matches the ISO 9141–2/ISO 14230 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	11 to 14 V
CANH (6) – CANL (14)	HIGH–level CAN bus line	Power switch off	54 to 67 Ω
CANH (6) – Battery positive	HIGH–level CAN bus line	Power switch off	1 MΩ or higher
CANH (6) – CG (4)	HIGH–level CAN bus line	Power switch off	3 KΩ or higher
CANL (14) – Battery positive	LOW–level CAN bus line	Power switch off	1 MΩ or higher
CANL (14) – CG (4)	LOW–level CAN bus line	Power switch off	3 KΩ or higher

HINT:

If the display shows "UNABLE TO CONNECT TO VEHICLE" after connecting the hand–held tester cable to the DLC3 and turning the ignition switch to the ON position, there is a problem either with the vehicle or the tester.

- If communication is normal when connecting the tester to another vehicle, inspect the DLC3 on the original vehicle.
- If communication is still not possible when connecting the tester to another vehicle, the problem is probably in the tester itself. Consult the Service Department listed in the tester's operator's manual.

2. WARNING LIGHT

(a) When a problem occurs in the electric power steering system, the PS warning is indicated on the multi–display and the master warning light on the combination meter comes on to inform the driver of the problem.