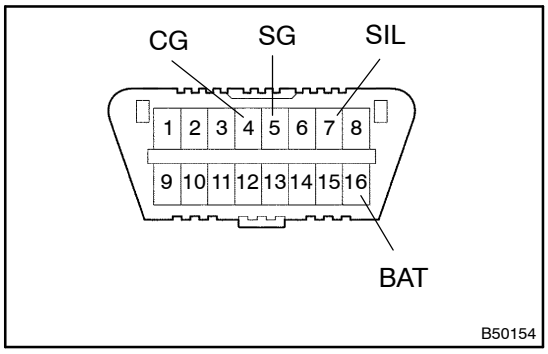
05JVR–01

PRE–CHECK

1. DIAGNOSIS SYSTEM



(a) Inspect the DLC3.
The vehicle uses ISO 14230 for communication. The terminal arrangement of the DLC3 complies with SAE J1962 and matches the ISO 14230 format.

Standard:

Symbols	Terminal No.	Name	Reference terminal	Result	Condition
SIL	7	Bus" +" Line	5 – Signal ground	Pulse generation	During transmission
CG	4	Chassis Ground	Body ground	Below 1 Ω	Constant
SG	5	Signal Ground	Body ground	Below 1 Ω	Constant
BAT	16	Battery positive	Body ground	11 to 14 V	Constant

If the result is not as specified, the DLC3 may have a malfunction. Repair or replace the harness and connector.

Connect the cable of the hand–held tester to the DLC3, turn the ignition switch ON and attempt to use the hand–held tester. If the screen displays UNABLE TO CONNECT TO TO VEHICLE, a problem exists in the vehicle side or the tester side.

- If communication is normal when the tester is connected to other vehicle, inspect the DLC3 of the original vehicle.
- If communication is still impossible 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. DATA LIST

HINT:

Using the hand–held tester DATA LIST allows switch, sensor, actuator and other item values to be read without removing any parts. Reading the DATA LIST early in troubleshooting is one way to shorten labor time.

(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch ON.
(c) Read the DATA LIST according to the display on the tester.

Multiplex network body ECU:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
D SEAT BUCKL SW	Driver seat belt buckle switch signal ON or OFF	ON: Seat belt is fastened OFF: Seat belt is unfastened	–

3. ACTIVE TEST

HINT:

Performing the hand–held tester ACTIVE TEST allows relay, VSV, actuator and other items to be operated without removing any parts. Performing the ACTIVE TEST early in troubleshooting is one way to shorten labor time. The DATA LIST can be displayed during the ACTIVE TEST.

(a) Connect the hand–held tester to the DLC3.

(b) Turn the ignition switch ON.

(c) Perform the ACTIVE TEST according to the display on the tester.

Combination meter assy:

Item	Test Details	Diagnostic Note
D–BELT REMIND	Indicate. Lamp D–SEAT BELT (OFF/ON)	Confirm that the vehicle is stopped and engine is idling