055VO–02

PRE–CHECK

1. MULTIPLEX COMMUNICATION SYSTEM (BEAN)

(a) BEAN communication line is used to control the door opening relay assy (double lock ECU). Since the line connects the body and door opening relay assy (double lock ECU) with one line, the communication goes one way from the door opening relay assy (double lock ECU) to the body ECU.

2. INSPECT OUTPUT OF DIAGNOSTIC BY DOOR OPEN INDICATOR

(a) Inspect the battery positive voltage.
Standard: 10 – 14 V (when engine stopped)

(b) Check that the diagnostic outputs.

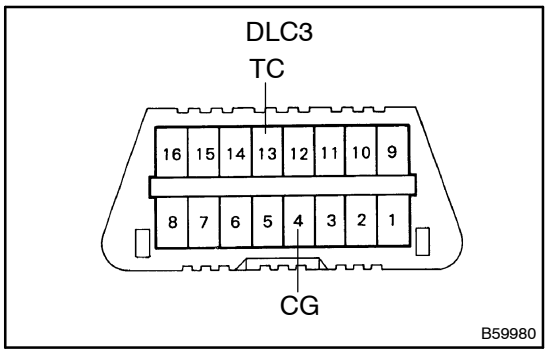
NOTICE:

No abnormality exists in all the following items.

(1) Check that the door open indicator will be on when any of the doors is opened.

HINT:

In case that the indicator will not be on, the following problems are possible reasons; door open indicator LED defective, wire harness short, courtesy lamp switch's contact condition defective, multiplex network body ECU defective, etc.



(2) By using SST (diagnosis check wire No. 2), make a short–circuit between terminals TC (13) and CG (4) of the DLC3.

SST 09843–18040

NOTICE:

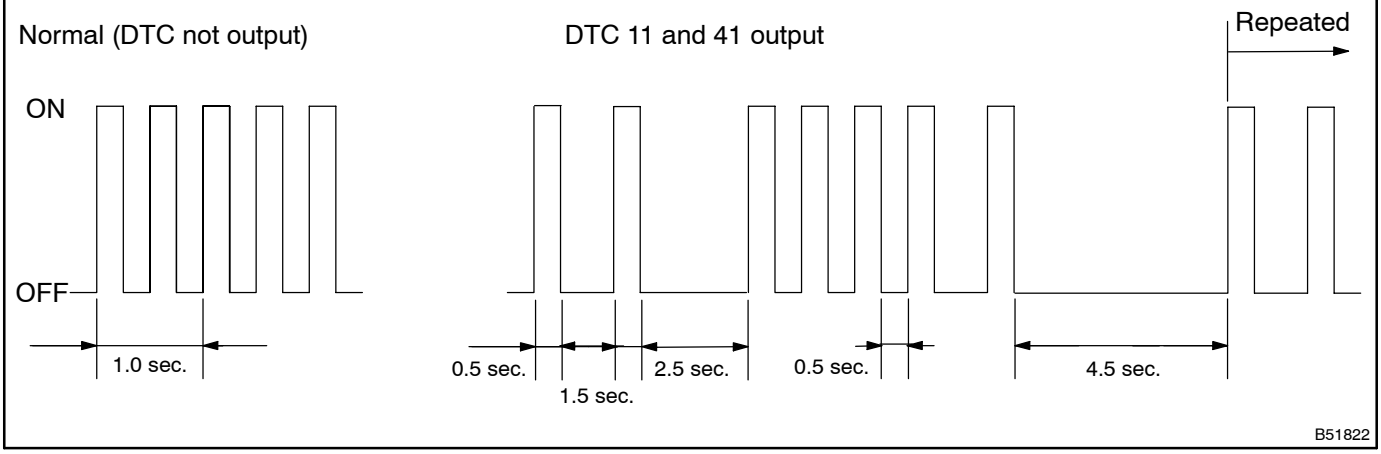
Do not make a short–circuit in any other positions.

(3) Turn the ignition switch ON and read the number of blinks of the door open indicator.

HINT:

When 2 or more codes are output simultaneously, display will be started from the smaller numbered code.

Example:



(4) When the DTC of the ECU unconnected is displayed, perform an inspection depending on the troubleshooting.

HINT:

- When the communication bus is defective the door open indicator in the meter will not be on, therefore any DTC will not be output.
- When other DTC is output, refer to the DTC table and applicable section.
- When no DTC is output even in the normal condition, problems, such as short–circuit between terminals TC and CG, meter fuses defective etc., may exist.
- When the door open indicator is always on, the wire harness might be short–circuited.