

Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	Specified Condition
STP2 (S1 - 21) - GND1 (S1 - 32)	GR - W-B	Stop light signal	Brake pedal released (Stop light switch OFF)	Below 1.0 V (*1)
			Brake pedal depressed (Stop light switch OFF)	10 to 14 V (*1)
STP1 (S1 - 27) - GND1 (S1 - 32)	W - W-B	Stop light signal	Brake pedal released (Stop light switch OFF)	(*1)
			Brake pedal depressed (Stop light switch OFF)	(*1)

\*1: Since the waterproof connector is used, disconnect the connector from the ECU and check the wire harness.

\*2: Since the waterproof connector is used, check the wire harness of the ECM side.

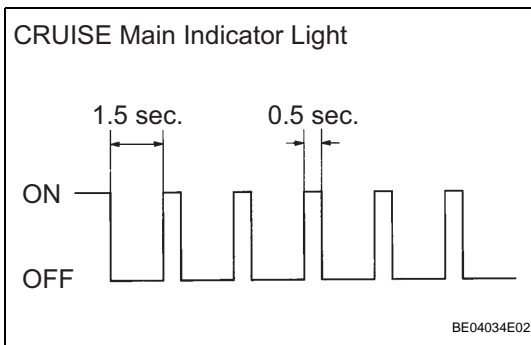
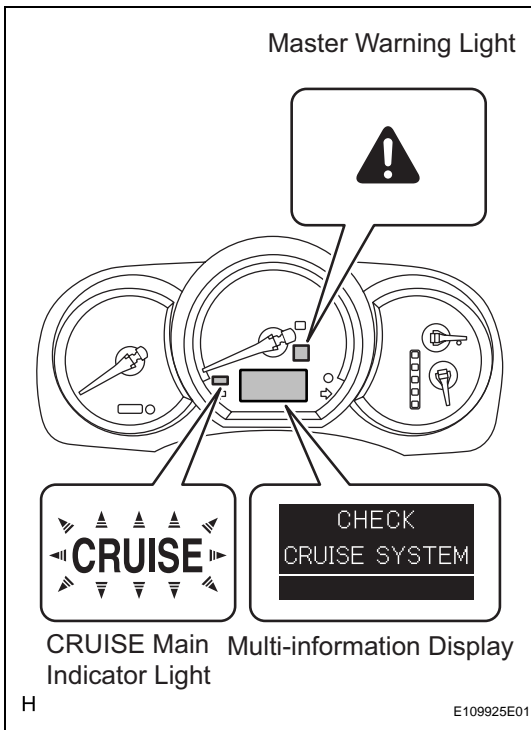
## DIAGNOSIS SYSTEM

### 1. DIAGNOSIS FUNCTION

- (a) The diagnosis function makes the master warning light and the multi-information display come on, and the CRUISE main indicator light blinks as shown in the illustration. When a malfunction occurs in the dynamic laser cruise control system, the DTCs are stored in the ECM.

**NOTICE:**

- The master warning light goes off if the system returns to normal condition.



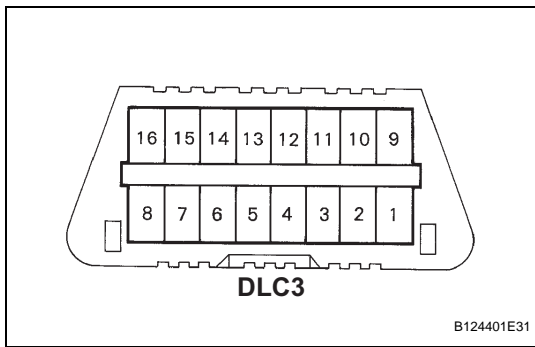
- Since the stored data in the ECM is erased by disconnecting the EFI and ETCS fuses or the battery terminal, do not disconnect them until the inspection has been completed.

### 2. DESCRIPTION

- (a) The ECM controls the cruise control function and dynamic laser cruise control in a vehicle. Data on the cruise control system, dynamic laser cruise control system and the DTCs can be read from DLC3 in the vehicle. If the CRUISE main indicator light does not come on after the DTC check, there is a malfunction in the cruise control and dynamic laser cruise control system.

Use the intelligent tester to check and solve the problem.





**3. CHECK DLC3**

- (a) The vehicle's ECM uses ISO 9141-2 for communication. The terminal arrangement of DLC3 complies with SAE J1962 and matches the ISO 9141-2 format.

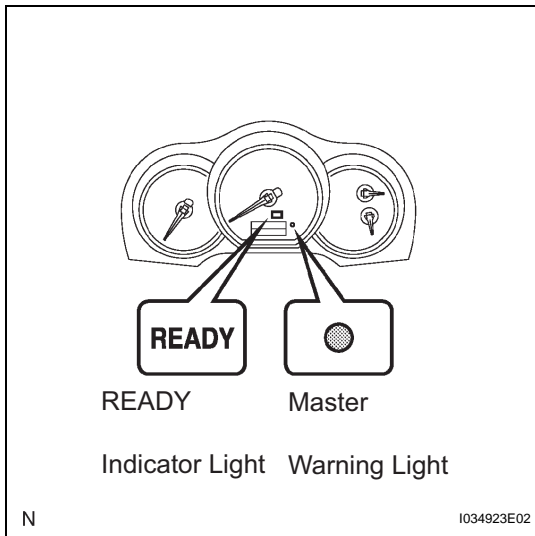
Terminal No.	Connection / Specified Condition	Condition
4	Chassis ground - Body ground / 1 Ω or less	Always
7	Bus "+" line / Pulse generation	During Communication
16	Battery positive - Body ground / 9 to 14 V	Always

**HINT:**

If the display shows "UNABLE TO CONNECT TO VEHICLE" after connecting the intelligent tester to the DLC3 and turning the ignition ON, there is a problem either with the vehicle or with the tool.

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

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**4. CHECK INDICATOR**

- (a) Turn the ignition switch on.
- (b) Check that the CRUISE main indicator light and READY indicator come on when the main switch ON-OFF button is pushed on, and that the indicator light goes off when the ON-OFF button is pushed off.

**HINT:**

- If the indicator check result shows a problem, proceed to troubleshooting for the combination meter section.