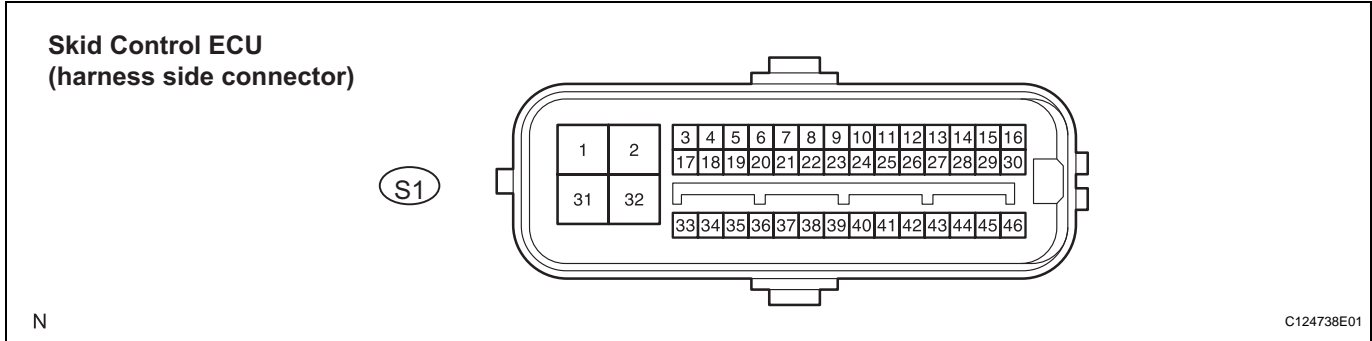


**2. Terminal Inspection**

Disconnect the connector and measure the voltage on the wire harness side.

HINT:

Voltage cannot be measured with the connector connected to the skid control ECU as the connector is water resistant.



Symbols (Terminals No.)	Wiring Color	Terminal Description	Condition	STD Voltage (V)
+BS (2) - GND1 (1)	Y - W-B	Solenoid valve power supply	Always	10 to 14 V
STP (14) - GND1 (1)	L - W-B	Stop light switch input	Stop light switch ON	10 to 14 V
WA (17) - GND1 (1)	O - W-B	ABS warning light output	IG switch ON, ABS warning light ON	4 V or higher
PKB (23) - GND1 (1)	G-Y - W-B	Parking brake switch input	IG switch ON, parking brake switch ON	Below 2.0 V
PKB (23) - GND1 (1)	G-Y - W-B	Parking brake switch input	IG switch ON, parking brake switch OFF	8 to 14 V
+BM (31) - GND2 (32)	R - W-B	Motor relay power supply	Always	10 to 14 V
BRL (43) - GND1 (1)	B-W - W-B	Brake warning light output	IG switch ON, brake warning light ON	4 V or higher
IG (46) - GND1 (1)	LG - W-B	ECU power supply	IG switch ON	10 to 14 V

BC


**DIAGNOSIS SYSTEM**

**1. DIAGNOSIS**


- (a) If the skid control ECU detects a malfunction, the ABS and/or BRAKE warning lights come on in accordance with the trouble area to warn the driver. The table below indicates which lights come on when there is a malfunction in a particular function.

**ABS Warning Light:**

USA: **ABS**

Canada: 

**BRAKE Warning Light:**

 **BRAKE**

F052120E02

Item/Trouble Area	ABS System	EBD System	Skid Control ECU
ABS Warning light	○	○	○
BRAKE Warning light	-	○	○

○: Light ON

-: Light OFF

HINT:

- The DTCs are simultaneously stored in the memory. The DTCs can be read by connecting the intelligent tester.
- This system has a sensor signal check function (See page [BC-7](#)). The DTCs can be read by connecting SST (09843-18043) between terminals TC and CG of the DLC3 and observing the blinking of the ABS warning light, or by connecting a intelligent tester (See page [BC-16](#)).

## 2. WARNING LIGHT CHECK

- (a) Release the parking brake.

**NOTICE:**

**When releasing the parking brake, set chocks to hold the vehicle for safety.**

HINT:

When the parking brake is applied or the level of the brake fluid is low, the BRAKE warning light comes on.

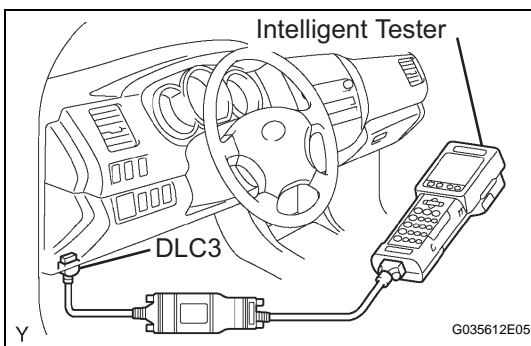
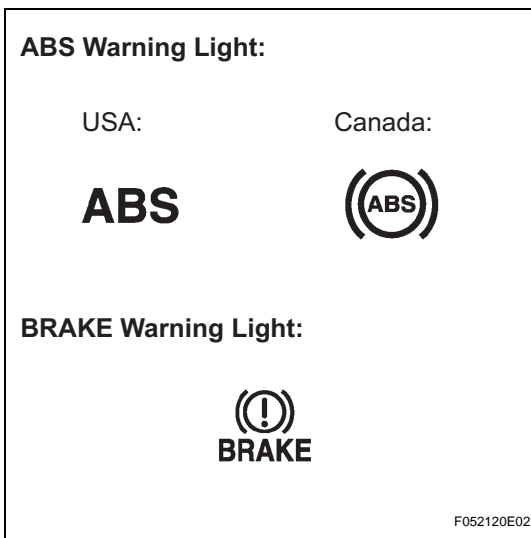
- (b) Check that the ABS warning light and BRAKE warning light come on when the ignition switch is turned on and go off in about 3 seconds.

HINT:

If the warning lights do not illuminate, confirm whether the bulbs have burned out, and also check the wire harness between the skid control ECU and the combination meter.

If the warning light remains on, troubleshoot the effected light circuit by proceeding to the page indicated below:

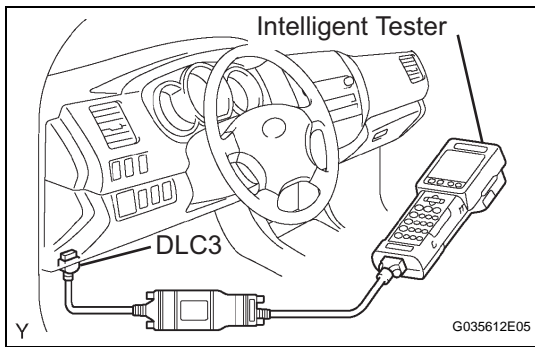
Trouble Areas	See Page
ABS warning light circuit	<a href="#">BC-64</a>
BRAKE warning light circuit	<a href="#">BC-70</a>



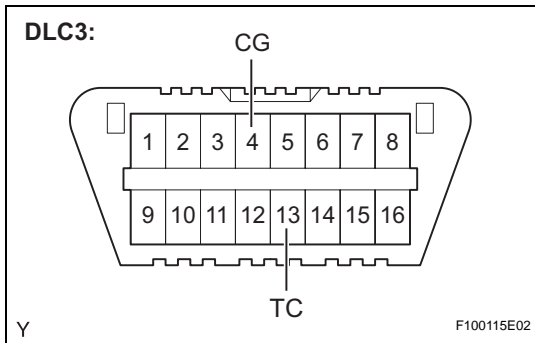
## DTC CHECK / CLEAR

### 1. DTC CHECK / CLEAR (for Using a Intelligent Tester)

- (a) Check DTCs.
- (1) Connect the intelligent tester to the DLC3.
  - (2) Turn the ignition switch to the ON position.
  - (3) Turn the tester ON.
  - (4) Read the DTCs by following the prompts on the tester screen.



- (b) Clear DTCs.
- (1) Connect the intelligent tester to the DLC3.
  - (2) Turn the ignition switch to the ON position.
  - (3) Operate the intelligent tester to clear the DTCs.
- HINT:  
Refer to the intelligent tester operator's manual for further details.



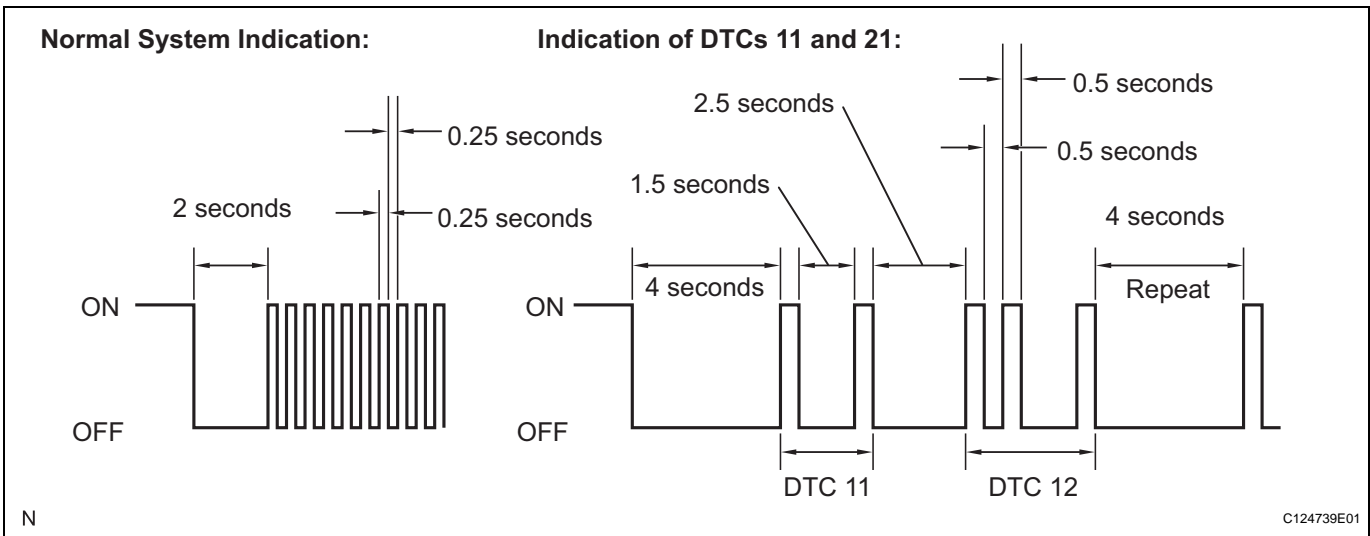
**2. DTC CHECK / CLEAR (for Using a SST Check Wire)**

- (a) Check DTCs.
- (1) Using SST, connect terminals TC and CG of the DLC3.
- SST 09843-18040**
- (2) Turn the ignition switch to the ON position.
  - (3) Read 2-digit DTCs by observing the blinking of the ABS warning light on the combination meter.
- HINT:
- If no code appears, inspect the ABS warning light circuit or TC and CG terminal circuit.

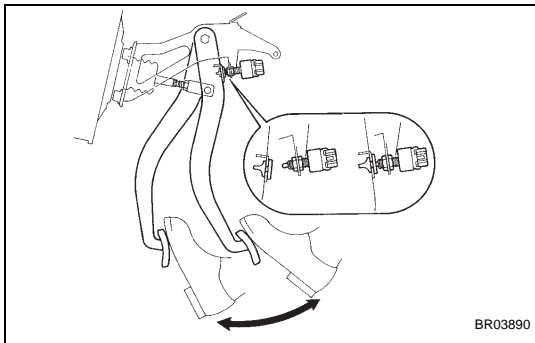
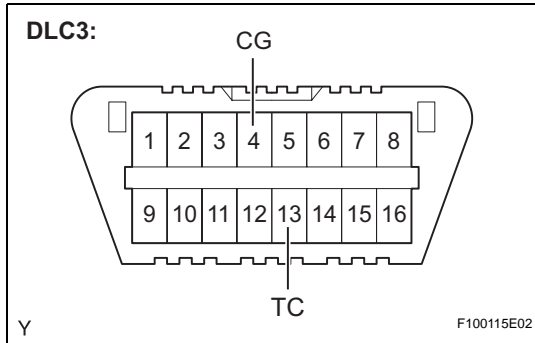
Trouble Areas	See Page
ABS warning light circuit	BC-64 BC-68
TC and CG terminal circuit	BC-75

- As an example, the blinking patterns of the normal system indication and DTCs 11 and 21 are shown below.

BC



- DTCs are explained in DTC chart (See page BC-22).



- (4) After completing the check, disconnect SST from terminals TC and CG of the DLC3, and turn the ignition switch to OFF.

HINT:

If 2 or more malfunctions are detected at the same time, the lowest numbered DTC is displayed first.

- (b) Clear DTCs.

- (1) Using SST, connect terminals TC and CG of the DLC3.

- (2) Turn the ignition switch to the ON position.

**SST 09843-18040**

- (3) Clear the DTCs stored in the ECU by depressing the brake pedal 8 times or more within 5 seconds.

- (4) Check that the warning light blinks in the normal system indication pattern.

- (5) Remove SST from the terminals of the DLC3.

- (6) Turn the ignition switch to OFF.

HINT:

Clearing the DTCs cannot be performed by removing the battery cable.

### 3. END OF DTC CHECK / CLEAR

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

- (b) Check that the ABS warning light goes off within approximately 3 seconds.

- (c) Turn the ignition switch to OFF.