





DIAGNOSIS SYSTEM

1. DIAGNOSIS

- (a) If the skid control ECU detects a malfunction, the ABS, BRAKE, VSC TRAC warning, VSC OFF and/ or SLIP indicator 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	VSC TRAC Warning Light	BRAKE Warning Light	AUTO LSD Indicator Light
USA:			
ABS	VSC TRAC	 BRAKE	AUTO LSD
Canada:	VSC OFF Indicator Light	DAC Indicator Light	SLIP Indicator Light
	VSC OFF		
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Indicator / Trouble Area	ABS	EBD	BA	VSC	TRAC	AUTO LSD	A-TRAC	DAC	HAC
ABS Warning Light	○	○	○	-	-	-	-	-	-
Brake Warning Light	-	○	-	-	-	-	-	-	-
VSC TARC Warning Light	○	○	○	○	○	○	○	○	○
VSC OFF Indicator Light	○	○	○	○	○	○	○	○	○
Slip Indicator Light	○	○	○	○	○	○	○	○	○
AUTO LSD Indicator Light	-	-	-	-	-	-	-	-	-
DAC Indicator Light	● (DAC switch ON)	● (DAC switch ON)	● (DAC switch ON)	● (DAC switch ON)	● (DAC switch ON)	● (DAC switch ON)	● (DAC switch ON)	● (DAC switch ON)	● (DAC switch ON)









○: Light ON ●: Light ON (Blinking) -: 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-103](#)). The DTCs can be read by connecting SST (09843-18040) between terminals TS and CG of DLC3 and observing the blinking of the ABS warning light and VSC TRAC warning light, or by connecting the intelligent tester.

2. WARNING LIGHT AND INDICATOR LIGHT CHECK

ABS Warning Light	VSC TRAC Warning Light	BRAKE Warning Light	AUTO LSD Indicator Light
USA: 			
Canada: 			

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.

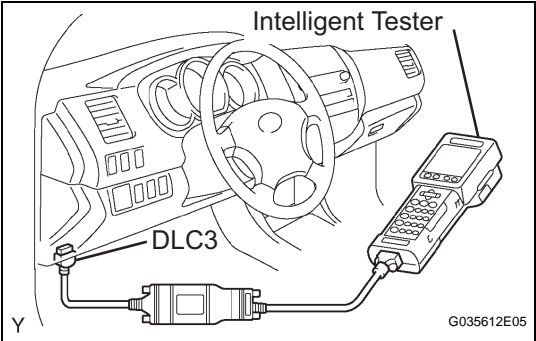
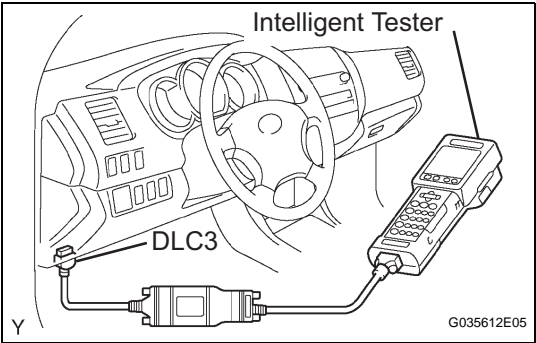
- (b) Check that the ABS warning light, VSC OFF indicator light, VSC TRAC warning light, BRAKE warning light, DAC indicator light, SLIP indicator light and AUTO LSD indicator light come on when the ignition switch is turned on, and go off in about 3 seconds.

HINT:

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

Trouble area	See Page
ABS warning light circuit	BC-233
BRAKE warning light circuit	BC-248
VSC TRAC warning light circuit	BC-241
DAC indicator light circuit	BC-270
VSC OFF indicator light circuit	BC-256
SLIP indicator light circuit	BC-266
AUTO LSD indicator light circuit	BC-278



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.

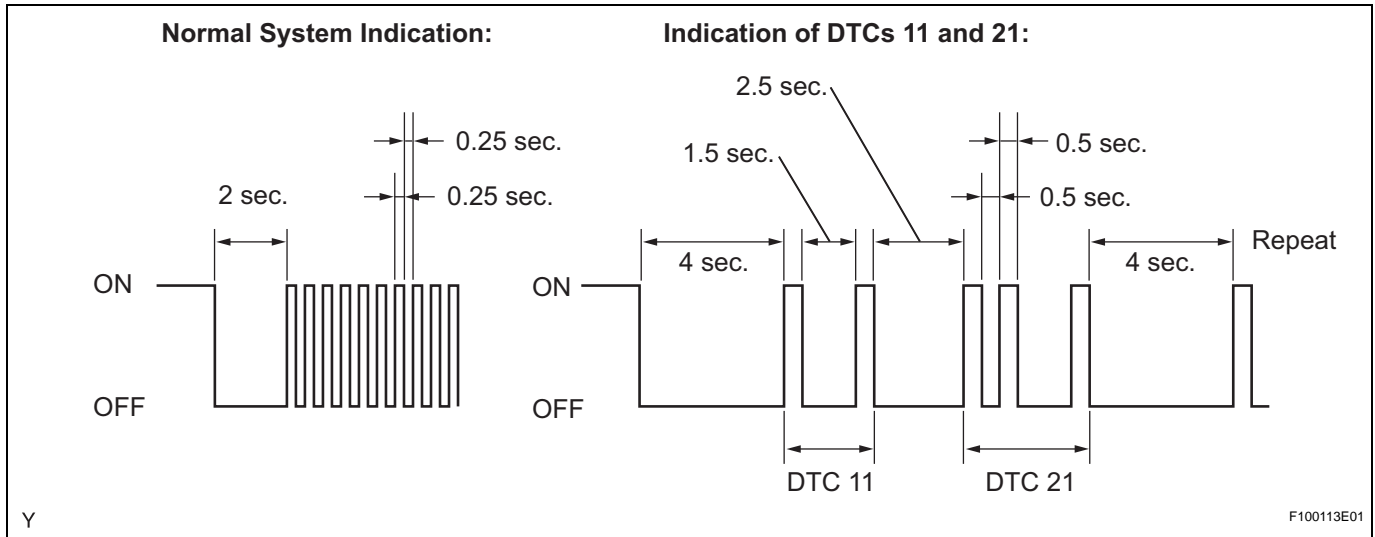
- (b) Clear DTCs.
- (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch to the ON position.
 - (3) Operate the intelligent tester to clear the codes.
- HINT:
Refer to the intelligent tester operator's manual for further details.

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 and the VSC TRAC warning light on the combination meter.
- HINT:
- If no code appears, inspect the ABS warning light circuit, VSC TRAC warning light circuit or TC and CG terminal circuit.

Trouble Area	See page
ABS warning light circuit	BC-233 BC-239
VSC TRAC warning light circuit	BC-241 BC-246
TC and CG terminal circuit	BC-291

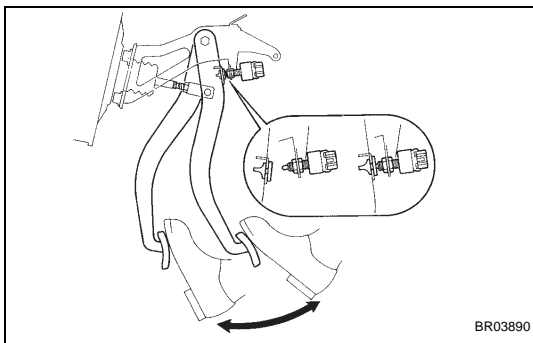
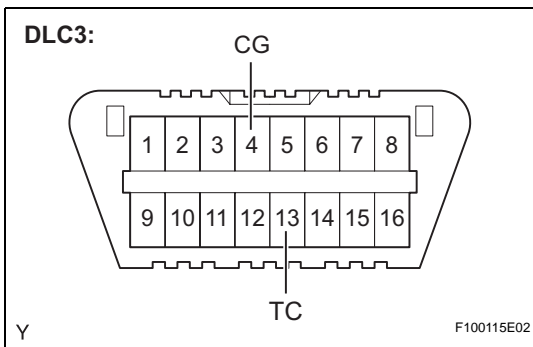
- As an example, the blinking patterns of the normal system indication and DTCs 11 and 21 are shown below.



- DTCs are explained in DTC chart (See page [BC-126](#)).

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

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



- Clear DTCs.

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

- Turn the ignition switch to the ON position.

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

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

- Remove SST from the terminals of the DLC3.

- Turn the ignition switch to OFF.

HINT:

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

3. END OF DTC CHECK/CLEAR

- Turn the ignition switch to the ON position
- Check that the ABS warning light and VSC TRAC warning light go off within approximately 3 seconds.
- Turn the ignition switch to OFF.