

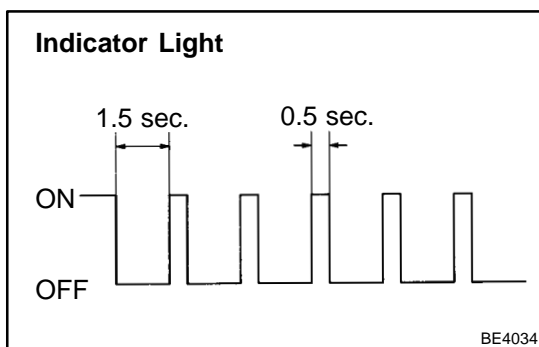
PRE-CHECK

1. DIAGNOSIS SYSTEM

- (a) Check the indicator.
- (1) Turn the ignition switch ON.
 - (2) Check that the CRUISE main indicator light comes on when the cruise control main switch is turned ON, and that the indicator light goes off when the main switch is turned OFF.

HINT:

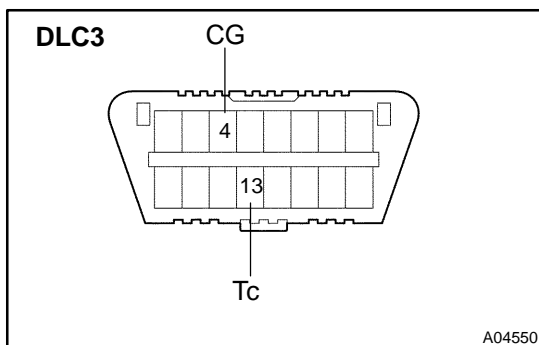
If the indicator check result is not normal, proceed to a troubleshooting of the combination meter section (See page [BE-2](#)).



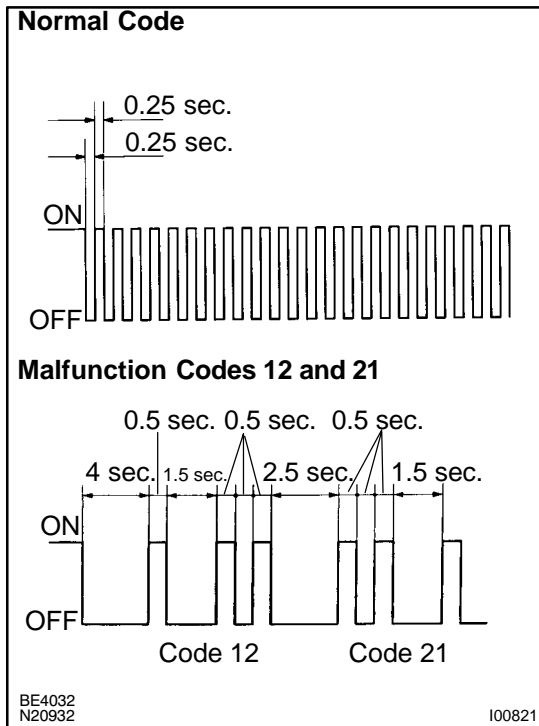
- (b) Check the DTC.

HINT:

If a malfunction has occurred in the No. 1 vehicle speed sensor or actuator, etc. during the cruise control driving, the ECU actuates AUTO CANCEL of the cruise control and turns on and off the CRUISE main indicator light to inform the driver of a malfunction. At the same time, the malfunction is stored in the memory as a DTC.



- (c) Using diagnosis check wire, check the output of the DTC.
- (1) Turn the ignition switch ON.
 - (2) Using SST, connect terminals Tc and CG of the DLC3.
- SST 09843-18040
- (3) Read the DTC on the CRUISE main indicator light.



HINT:

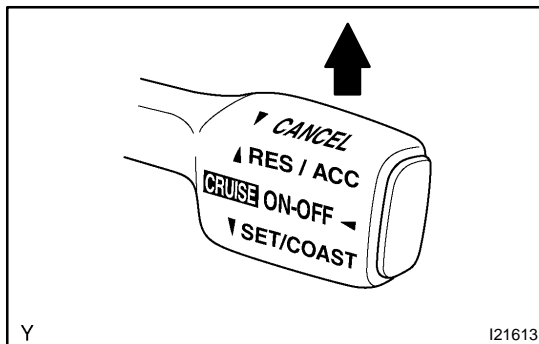
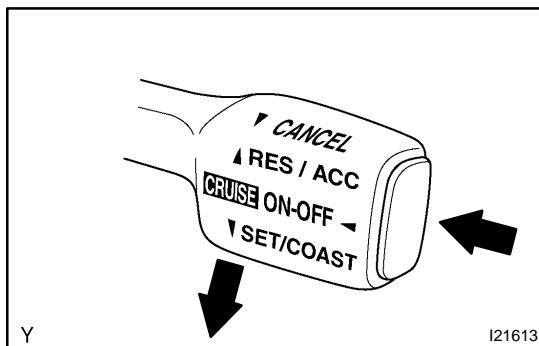
- If a DTC is not output, inspect the diagnosis circuit (See page DI-726).
- As an example, the blinking patterns for codes; normal, 12 and 21 are shown in the illustration.

2. DTC CLEARANCE (ERASE MODE)

HINT:

During in the erase mode, DTC detection dose not work.

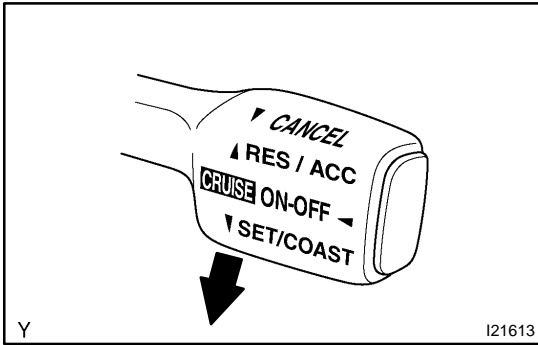
- Stop the vehicle.
- Using SST, connect terminals Tc and CG of the DLC3
SST 09843-18040
- Pull the cruise control switch to CANCEL.
- On the above method condition, turn on the cruise control main switch 5 times within 3 seconds.



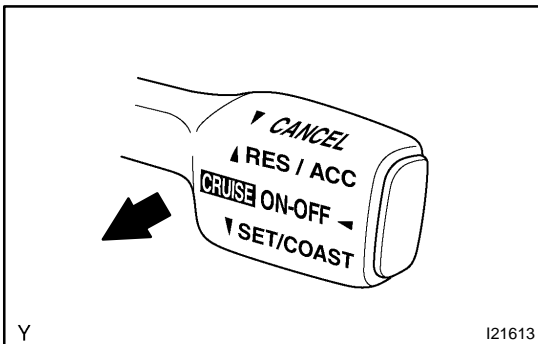
3. Road Test:

PROBLEM SYMPTOM CONFIRMATION

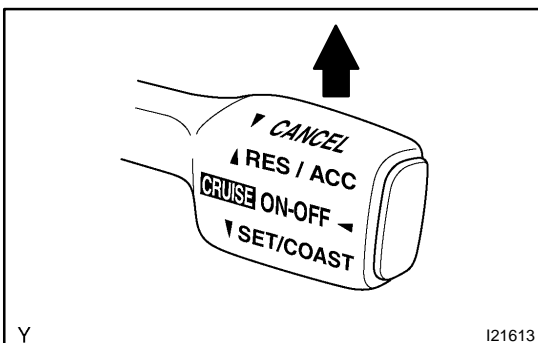
- Inspect the SET switch.
 - Push the main switch ON.
 - Drive at a desired speed (40 km/h (25 mph) or higher).
 - Push the control switch downward for the SET/COAST.
 - After releasing the switch, check that the vehicle cruises at the desired speed.
- Inspect the ACC (acceleration) switch.
 - Push the main switch ON.
 - Drive at a desired speed (40 km/h (25 mph) or higher).
 - Check that the vehicle speed increases while the control switch is turned to RES/ACC, and that the vehicle cruises at the set speed when the switch is released.
 - Momentarily push the control switch upward in the RES/ACC direction and then immediately release it. Check that the vehicle speed increases by about 1.6 km/h (Tap-up function).



- (c) Inspect the COAST switch.
- (1) Push the main switch ON.
 - (2) Drive at a desired speed (40 km/h (25 mph) or higher).
 - (3) Check that the vehicle speed decreases while the control switch is turned to SET/COAST, and the vehicle cruises at the set speed when the switch is released.
 - (4) Momentarily push the control switch downward for SET/COAST, and then immediately release it. Check that the vehicle speed decreases by about 1.6 km/h (Tap-down function).

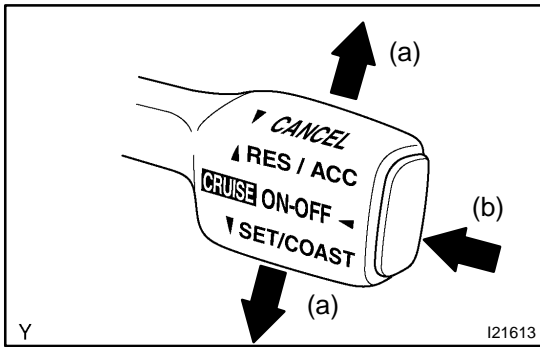


- (d) Inspect the CANCEL switch.
- (1) Push the main switch ON.
 - (2) Drive at a desired speed (40 km/h (25 mph) or higher).
 - (3) When operating one of the followings, check that the cruise control system is cancelled and that the normal driving mode is reset.
 - Depress the brake pedal.
 - M/T:
Depress the clutch pedal.
 - A/T:
Shift into except D position.
 - Push the main switch OFF.
 - Pull the cruise control switch for CANCEL.



- (e) Inspect the RES (resume) switch.
- (1) Push the main switch ON.
 - (2) Drive at a desired speed (40 km/h (25 mph) or higher).
 - (3) When operating one of the followings, check that the cruise control system is cancelled and that the normal driving mode is reset.
 - Depress the brake pedal.
 - M/T:
Depress the clutch pedal.

- A/T:
Shift into except D position.
 - Pull the cruise control switch for CANCEL.
- (4) After the control switch is turned to RES/ACC at the driving speed of more than 40 km/h (25 mph), check that the vehicle restores the speed before the cancellation.



4. INPUT SIGNAL CHECK

HINT:

- For check No. 1 – No. 3:
Turn the ignition switch ON.
- For check No. 4:
Jack up the vehicle.
Start the engine.
Shift into the D position.

- (a) Push the control switch to the SET/COAST or RES/ACC position and hold it down or up.
- (b) Push the main switch ON.
- (c) Check that the CRUISE main indicator light blinks twice or 3 times repeatedly after 3 seconds.
- (d) Turn the SET/COAST or RES/ACC switch OFF.
- (e) Operate each switch as listed in the table below.
- (f) Read the blinking pattern of the CRUISE main indicator light.
- (g) After performing the check, turn the main switch OFF.

HINT:

When 2 or more signals are input to the ECM, the lowest numbered code will be displayed first.

No.	Operation Method	CRUISE main Indicator Light Blinking Pattern	Diagnosis
1	Push SET/COAST switch ON		SET/COAST switch circuit is normal
2	Push RES/ACC switch ON		RES/ACC switch circuit is normal
3	Push CANCEL switch ON		CANCEL switch circuit is normal
	Turn stop light switch ON Depress brake pedal		Stop light switch circuit is normal
	Turn PNP switch OFF (Shift to except D position)		PNP switch circuit is normal
	Turn clutch switch OFF (Depress clutch pedal)		Clutch switch circuit is normal
4	Drive at about 40 km/h (25 mph) or higher		Vehicle speed sensor is normal
	Drive at about 40 km/h (25 mph) or below		