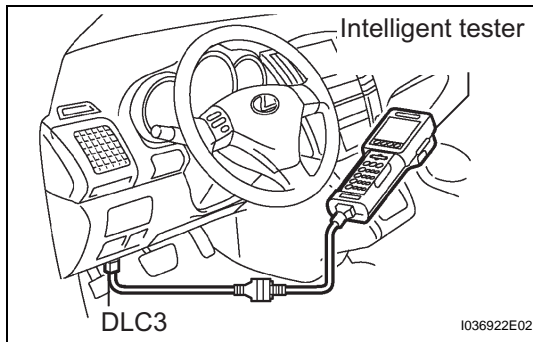


- If a malfunction occurs in the vehicle speed sensors, the stop light switch, or other related parts during cruise control driving, the ECU actuates AUTO CANCEL of the cruise control and blinks the CRUISE main indicator light. This indicator light informs the driver of the malfunction. At the same time, the malfunction is stored as a diagnostic trouble code.



DTC CHECK / CLEAR

1. CHECK DTC

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

HINT:

The intelligent tester has the "Snapshot" function which records the monitored data.

Refer to the Intelligent Tester Operator's Manual for further details.

- (b) Clearing DTCs.
 - (1) Connect the intelligent tester to the DLC3.
 - (2) Turn the ignition switch to the ON position.
 - (3) Clear the DTCs following the prompts on the tester screen.

HINT:

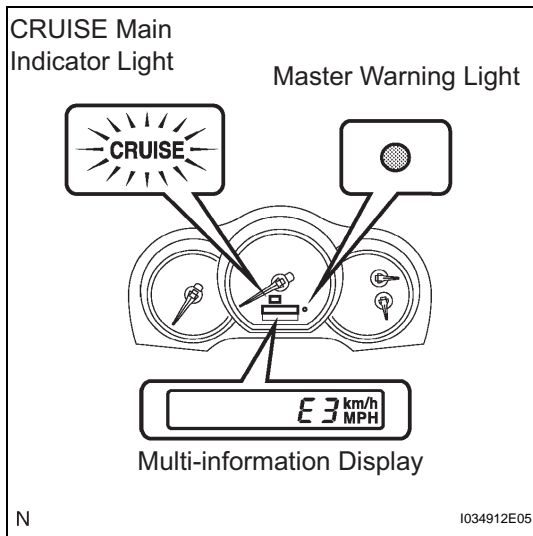
Refer to the Intelligent Tester Operator's Manual for further details.

FAIL-SAFE CHART

1. AUTO CANCEL FUNCTION (FAIL-SAFE FUNCTION):

HINT:

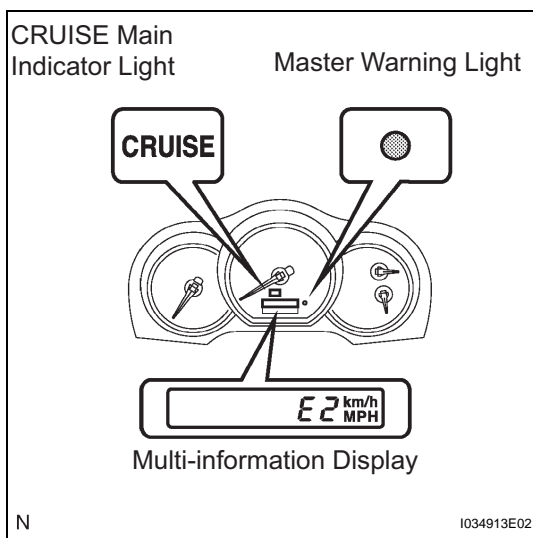
If a system malfunction occurs, the applicable DTCs will appear on the multi-information display.



- (a) The CRUISE main indicator light keeps blinking until the main switch is turned off, the master warning light comes on with the warning sound "Pop", and the display shows "E3". The cruise control operation is suspended until turning the main switch ON again. The auto cancel function deletes the stored vehicle speed and cancels the cruise control operation in the following conditions.

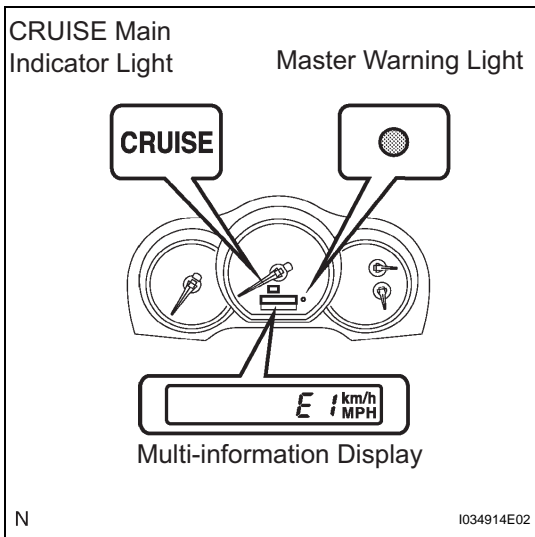
- (1) When the vehicle speed signal malfunctions.
- (2) When the electronic throttle parts malfunction.
- (3) When the stop light switch has an open or short circuit.
- (4) When the laser radar sensor malfunctions. (*1)
- (5) When the light axis of the laser sensor is off position. (*1)

*1: Only in the vehicle-to-vehicle distance control mode.



- (b) The CRUISE main indicator light blinks, the master warning light comes on with the warning sound "Pop", and the display shows "E2". The cruise control operation is suspended until the canceling condition is resolved (in the vehicle-to-vehicle distance control mode only). The auto cancel function cancels the cruise control operation in the following condition.

- (1) When the wiper (Hi, Lo) operate (including the auto wiper).
- (2) When the pattern select switch is in the "SNOW" mode.
- (3) When the laser radar sensor receives strong light, such as sunlight, from the front side.
- (4) When the vehicle-to-vehicle distance measurement is extremely unstable because of bad weather.



(c) The auto cancel function cancels the cruise control operation in the following conditions. At this time, the CRUISE main indicator light blinks, the master warning light comes on with the warning sound "Pop" and the display shows "E1". The cruise control operation is suspended until the canceling condition is resolved (in the vehicle-to-vehicle distance control mode only).

(1) When the laser radar sensor has dirt on it.

HINT:

While the dynamic laser cruise control is operated, the ECM outputs a malfunction code for 0.15 sec. or more when it detects dirt.

2. Constant speed control mode and vehicle-to-vehicle distance control mode:

If the following conditions are detected while the dynamic radar cruise control system is in operation, the system clears the stored vehicle speed and cancels the dynamic radar cruise control operation.

HINT:

In the vehicle-to-vehicle distance control mode, the stored vehicle speed in the ECM is maintained.



Vehicle Condition	Auto Cancel Condition	Fail-safe Deactivation Condition
CRUISE main indicator light goes off	<ul style="list-style-type: none"> Vehicle speed is lower than low speed limit (approx. 40 km/h (25 mph)) while running with cruise control system in operation Vehicle speed is lower than stored vehicle speed by 16 km/h (9.9 mph) or more while running with cruise control system in operation 	<ul style="list-style-type: none"> Turn cruise control main switch ON again*1 Push the cruise control main switch to RESUME/ACCEL*2

HINT:

*1: Constant speed control mode

*2: Vehicle-to-vehicle distance control mode