

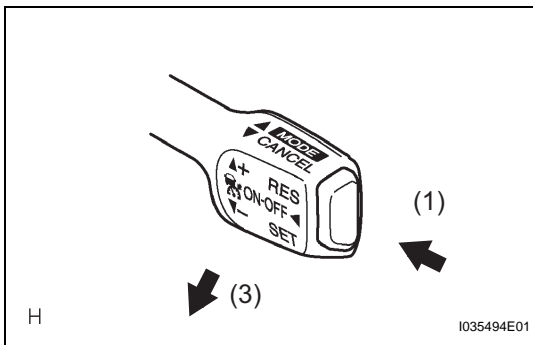
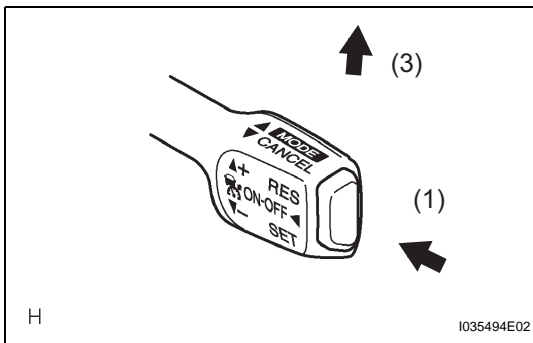
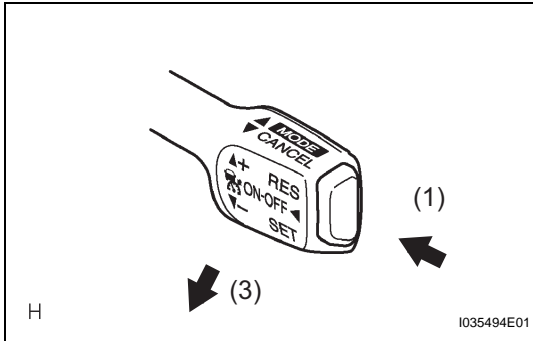
ROAD TEST

1. PROBLEM SYMPTOM CONFIRMATION

HINT:

The dynamic radar cruise control system has two cruise control modes: the constant speed control mode and vehicle-to-vehicle distance control mode.

- The vehicle-to-vehicle distance control mode is always selected when starting up the dynamic radar cruise control system.
- Operation of the constant speed control mode is the same as that for a conventional cruise control system.



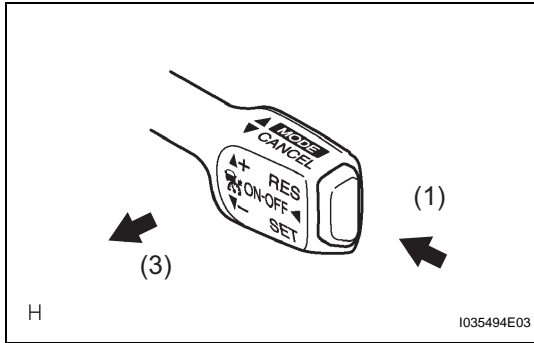
- (a) Inspect the SET function.
- (1) Turn the main switch ON.
 - (2) Drive at the required speed (40 km/h (25 mph) or higher).
 - (3) Push the cruise control main switch to SET/COAST.
 - (4) After releasing the switch, check that the vehicle cruises at the set speed.

- (b) Inspect the ACC (ACCEL) function.
- (1) Turn the main switch ON.
 - (2) Drive at the required speed (40 km/h (25 mph) or higher).
 - (3) Push the cruise control main switch to -/SET.
 - (4) Check that vehicle speed increases while the cruise control main switch is pushed to +/RES, and that the vehicle cruises at the newly set speed when the switch is released.
 - (5) Momentarily push the cruise control main switch +/RES and then immediately release it. Check that vehicle speed increases* (tap-up control).

HINT:

*: Constant speed control mode: increases by 1.6 km/h (1.0 mph); vehicle-to-vehicle distance control mode: increases by 5 km/h (3 mph)

- (c) Inspect the COAST function.
- (1) Turn the main switch ON.
 - (2) Drive at the required speed (40 km/h (25 mph) or higher).
 - (3) Push the cruise control main switch to -/SET.
 - (4) Check that vehicle speed decreases while the cruise control main switch is pushed to -/SET, and the vehicle cruises at the newly set speed when the switch is released.

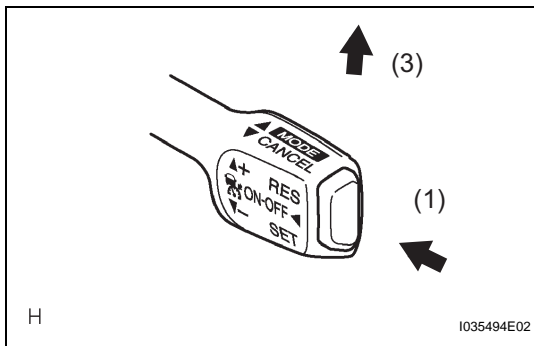


- (5) Momentarily push the cruise control main switch to -/SET, and then immediately release it. Check that vehicle speed decreases* (tap-down control).

HINT:

*: Constant speed control mode: decreases by 1.6 km/h (1.0 mph); vehicle-to-vehicle distance control mode: decreases by 5 km/h (3 mph).

- (d) Inspect the CANCEL function.
- (1) Turn the main switch ON.
 - (2) Drive at the required speed (40 km/h (25 mph) or higher).
 - (3) Push the cruise control main switch to -/SET.
 - (4) When performing one of the following, check that the cruise control system is cancelled and that the normal driving mode is reset.
 - Depressing the brake pedal
 - Moving the shift lever to any position except D (6th, 5th and 4th gears)
 - Turning the main switch OFF
 - Pulling the cruise control main switch to CANCEL



- (e) Inspect the RES (RESUME) function.
- (1) Turn the main switch ON.
 - (2) Drive at the required speed (40 km/h (25 mph) or higher).
 - (3) Push the cruise control main switch to -/SET.
 - (4) Cancel the cruise control system according to any of the above operations (other than turning the main switch OFF).
 - (5) After pushing the cruise control main switch to +/RES at a driving speed of more than 40 km/h (25 mph), check that the vehicle drives at the set speed.

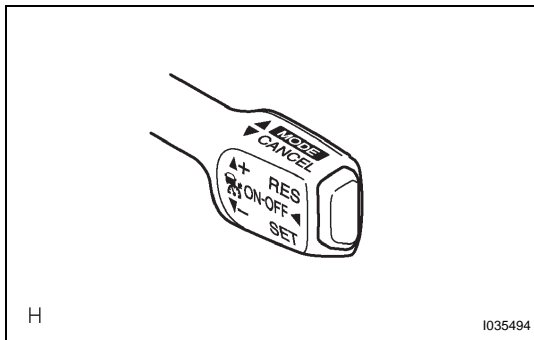
HINT:

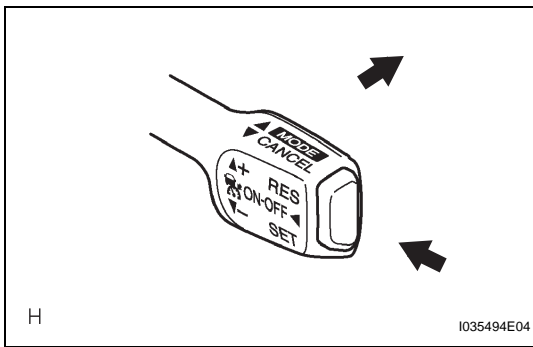
The stored vehicle speed is retained even if vehicle speed goes below 40 km/h (25 mph) once. The previously stored vehicle speed can be resumed by pushing the cruise control main switch to +/RES when vehicle speed returned to approximately 40 km/h (25 mph) or more.

OPERATION CHECK

1. INPUT SIGNAL CHECK

- (a) Connect the intelligent tester to the DLC3.
- (b) Check the cruise control main switch using the DATA LIST function in the intelligent tester (ON-OFF, CANCEL, -/SET, +/RES, and MODE).



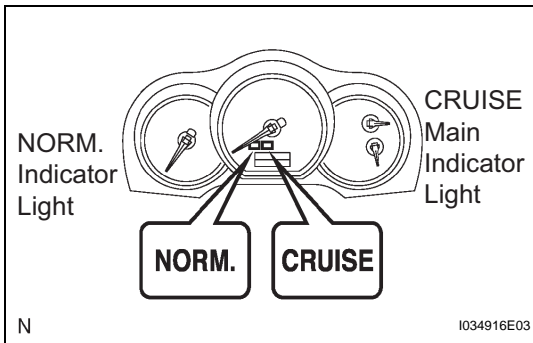


2. INSPECT MODE SWITCH

- (a) Turn the ignition switch on.

HINT:

Dynamic laser cruise is default mode.



- (b) After pushing the ON-OFF button on, push the cruise control main switch to MODE for at least 1 second without any other control. Make sure that "NORMAL." is indicated and no indication is shown in the display.

NOTICE:

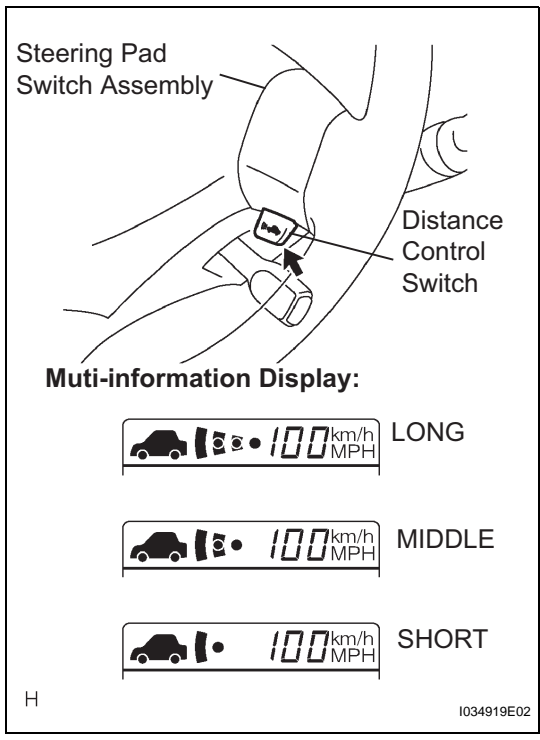
Do not push any other switches before pushing the main switch to MODE. If another switch is pushed, turn the main switch OFF and repeat the procedure above.

HINT:

If the system cannot switch to the constant speed control mode, push the ON-OFF button off once, and perform the same procedures as shown above. If a malfunction is still detected in the system, and then start the engine and perform the above procedure.

3. INSPECT STEERING PAD SWITCH ASSEMBLY

- (a) Turn the switch on.
- (b) Push on the ON-OFF button of the cruise control main switch.
- (c) Push on the distance control switch of the steering pad switch.



- (d) Check the the indication multi-information display of the combination meter, changes from "LONG", "MIDDLE" to "SHORT" in order.

HINT:

The indication is immediately set to "LONG" each time the engine is started.