

HOW TO PROCEED WITH TROUBLESHOOTING

1 VEHICLE BROUGHT TO WORKSHOP

NEXT

2 PROBLEM SYMPTOM CONFIRMATION

NEXT

3 CHECK MULTIPLEX COMMUNICATION SYSTEM

Refer to the how to proceed with troubleshooting (See page [MP-6](#)).

(a) Check for output DTCs.

Result

Result	Proceed to
MPX DTC is not output	A
MPX DTC is output	B

HINT:

The ECM of this system is connected to the multiplex communication system. Therefore, before starting troubleshooting, make sure to check that there is no trouble in the multiplex communication system.

B

PROCEED TO "MULTIPLEX COMMUNICATION SYSTEM"

A

4 CHECK CAN COMMUNICATION SYSTEM

Refer to the precaution (See page [CA-1](#)).

(a) Check for output DTCs.

Result

Result	Proceed to
CAN DTC is not output	A
CAN DTC is output	B

HINT:

The ECM of this system is connected to the CAN communication system. Therefore, before starting troubleshooting, make sure to check that there is no trouble in the CAN communication system.

B

PROCEED TO "CAN COMMUNICATION SYSTEM"

A

5 DTC CHECK AND CLEAR

Refer to the DTC check/clear (See page [CC-13](#)).

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6 DTC CHECK (OTHER THAN MPX AND CAN SYSTEM DTC)

Refer to the DTC check/clear (See page [CC-13](#)).

Result

Result	Proceed to
DTC is not output	A
DTC is output	B

A **GO TO STEP 8**

B

7 DTC CHART

Refer to the diagnostic trouble code chart (See page [CC-14](#)).

NEXT

GO TO STEP 11

8 PROBLEM SYMPTOM SIMULATION

Result

Result	Proceed to
Fault is not listed in problem symptoms table	A
Fault is listed in problem symptoms table	B

B **GO TO STEP 10**

A

9 SYMPTOM SIMULATION

Refer to the electronic circuit inspection procedure (See page [IN-36](#)).

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10 PROBLEM SYMPTOMS TABLE

Refer to the problem symptoms table (See page [CC-10](#)).

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11 CIRCUIT INSPECTION

NEXT

12 TERMINALS OF ECU

Refer to the terminals of ECU (See page [CC-11](#)).

NEXT

13 IDENTIFICATION OF PROBLEM

NEXT

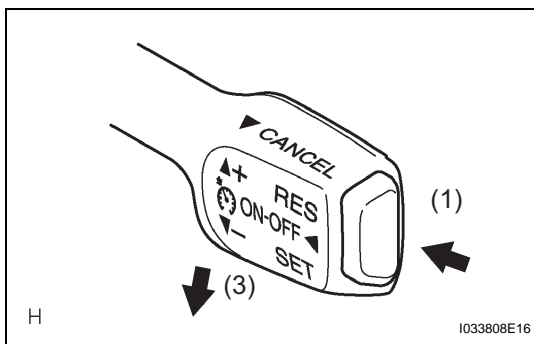
14 REPAIR OR REPLACE

NEXT

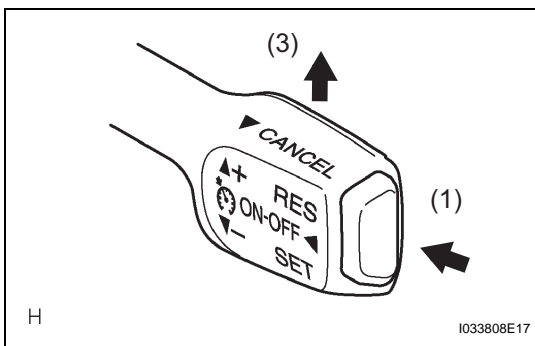
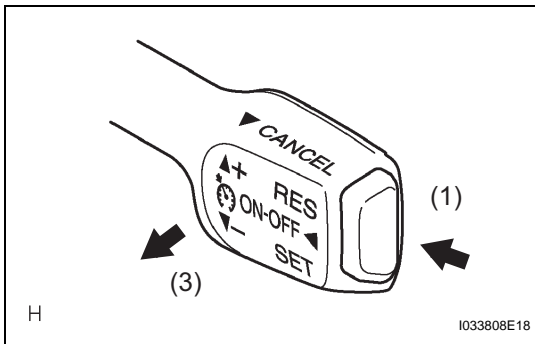
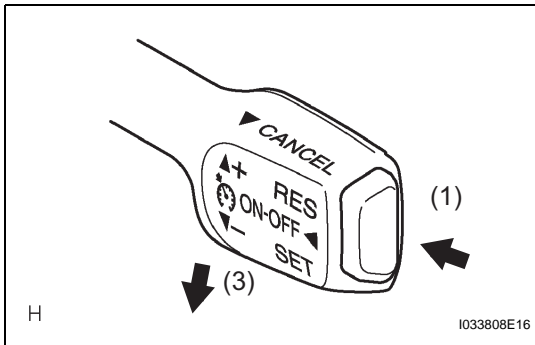
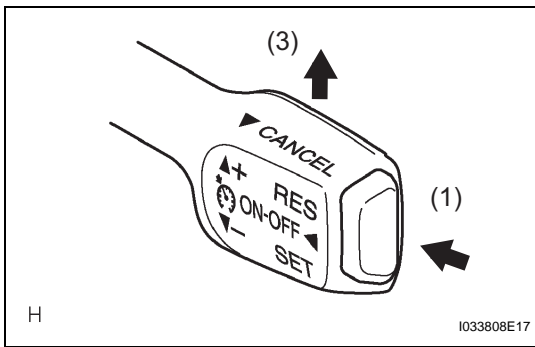
15 CONFIRMATION TEST

NEXT

END

**ROAD TEST****1. PROBLEM SYMPTOM CONFIRMATION**

- (a) Inspect 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.
 - (4) After releasing the switch, check that the vehicle cruises at the set speed.



- (b) Inspect the ACC (ACCEL) switch.
- (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 to +/RES and then immediately release it. Check that vehicle speed increases by approximately 1.6 km/h (1.0 mph) (tap-up control).
- (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 by approximately 1.6 km/h (1.0 mph) (tap-down control).
- (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 canceled 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.