

6. Diagnostics with Phenomenon

A: DIAGNOSTIC PROCEDURE WITH PHENOMENON

| Phenomenon | | Check item | Reference |
|------------|---|---|---|
| 1 | Cruise control main switch is not turned to ON. (Cruise indicator light does not illuminate.) | (1) Check the cruise indicator light. | <Ref. to CC(diag)-11, CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT, Diagnostics with Phenomenon.> |
| | | (2) Check the cruise control command switch. | <Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| 2 | Cruise control cannot be set. | (1) Check the cruise control command switch. | <Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| | | (2) Check stop light switch and brake switch. | <Ref. to CC(diag)-17, DTC 12, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 25, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 61, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| | | (3) Check clutch switch. | <Ref. to CC(diag)-19, DTC 13, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| | | (4) Check the neutral position switch. | <Ref. to CC(diag)-21, DTC 14, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 62, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| | | (5) Check vehicle speed sensor. | <Ref. to CC(diag)-26, DTC 22, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 63, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| 3 | Cruise set indicator light does not illuminate. | Check the cruise set indicator light. | <Ref. to CC(diag)-11, CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT, Diagnostics with Phenomenon.> |
| 4 | Vehicle speed is not held within set speed ± 3 km/h (± 2 MPH). | Check the vehicle speed sensor. | <Ref. to CC(diag)-26, DTC 22, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 63, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

Diagnostics with Phenomenon

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

| Phenomenon | | Check item | Reference |
|------------|---|---|---|
| 5 | Vehicle speed does not increase or does not return to set speed after RESUME/ACCEL switch has been pressed. | Check the RESUME/ACCEL switch. | <Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| 6 | Vehicle speed does not decrease after SET/COAST switch has been pressed. | Check the SET/COAST switch. | <Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| 7 | Cruise control is not released after CANCEL switch has been pressed. | Check the CANCEL switch. | <Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| 8 | Cruise control is not released after brake pedal has been depressed. | Check the stop light switch and brake switch. | <Ref. to CC(diag)-17, DTC 12, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-27, DTC 25, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 61, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| 9 | Cruise control is not released after shifting to the neutral position. | Check the neutral position switch. | <Ref. to CC(diag)-21, DTC 14, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-28, DTC 62, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |
| 10 | Cruise control is not released after clutch pedal has been depressed. | Check the clutch switch. | <Ref. to CC(diag)-19, DTC 13, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> |

B: CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT

TROUBLE SYMPTOM:

Cruise control can be set, but the cruise indicator light and cruise set indicator light do not illuminate.

| Step | Check | Yes | No |
|---|--|---|--|
| 1 CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT. 1) Perform self-diagnosis of the combination meter. <Ref. to IDI-4, SELF-DIAGNOSIS, INSPECTION, Combination Meter System.> 2) Check the cruise indicator light and cruise set indicator light if they illuminate. | Do the cruise indicator light and cruise set indicator light illuminate? | Go to step 2. | Replace the meter case assembly. <Ref. to IDI-19, Combination Meter.> |
| 2 CHECK LAN COMMUNICATION CIRCUIT ERROR DISPLAY. 1) Complete self-diagnosis, and turn the ignition switch to ON again. 2) Check if the communication error is displayed on the odo/trip meter in combination meter. | Is the error code "Er xx" displayed on odo/trip meter? | Check the LAN communication circuit. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.> | Replace the ECM. <Ref. to FU(H4SO)-35, Engine Control Module (ECM).> <Ref. to FU(H4DOTC)-44, Engine Control Module (ECM).> <Ref. to FU(H6DO)-33, Engine Control Module (ECM).> |