Cruise Control Inoperative/Malfunctioning W/ Traction control

Diagnostic Aids

Important

Perform the following in order to avoid misdiagnosis.

- Inspect for proper operation of brake lamps and clutch switch, if equipped.
- EMI on the speed sensor signal circuit may cause erratic cruise control operation.

Conditions for Enabling Cruise Control

The vehicle speed is greater than 40 km/h (25 mph).

Step	Action	Yes	No
Schematic Reference: Schematics			Cruise Control
1	Did you perform A Diagnostic System Check - Cruise Control?	Go to Step 2	Go to Diagnostic System Check - Cruise Control
2	1. Connect a scan tool. 2. Monitor the Cruise On switch parameter in the cruise control data list. 3. Turn ON the cruise control switch. Did the scan tool parameter change state?	Go to Step 3	Go to Step 9

3	1. Observe the cruise control Set/Coast parameter in the cruise control data list. 2. Press the cruise control Set button. Did the cruise control Set/Coast parameter change state?	Go to Step 4	Go to Step 14
4	1. Observe the cruise control Resume/ Accelerate parameter in the cruise control data list. 2. Press the Resume/Accelerate switch. Did the cruise control Resume Accelerate parameter change state?	Go to Step 5	Go to Step 15
5	1. Observe the stoplamp switch parameter in the cruise control data list. 2. Press the brake pedal. Did the stop lamp switch parameter change state?	Go to Step 6	Go to Step 10
6	1. Observe the Cruise Release switch parameter in the cruise control data list. 2. Press the brake pedal. Did the cruise release switch parameter change state?	Go to Step 7	Go to Step 11
7	Is the vehicle equipped with a manual transmission?	Go to Step 8	Go to Step 29
8	1. Observe the clutch pedal position (CPP) switch parameter in the PCM data list. 2. Press the clutch pedal. Did the CPP switch parameter change state?	Go to Step 29	Go to Step 12

9	1. Turn OFF the ignition. 2. Disconnect the multifunction turn signal lever. 3. Turn ON the ignition, with the engine OFF. 4. Probe the multifunction turn signal lever ignition positive voltage feed circuit with a test lamp connected to a good ground. Did the test lamp illuminate?	Go to Step 13	Go to Step 21
10	1. Turn OFF the ignition. 2. Disconnect the stoplamp switch harness connector. 3. Turn ON the ignition, with the engine OFF. 4. Probe the stop lamp battery positive voltage feed circuit with a test lamp connected to a good ground. Did the test lamp illuminate?	Go to Step 16	Go to Step 22
11	1. Turn OFF the ignition. 2. Disconnect the TCC/Brake switch harness connector. 3. Turn ON the ignition, with the engine OFF. 4. Probe the TCC/Brake switch ignition positive voltage circuit with a test lamp connected to a good ground. Did the test lamp illuminate?	Go to Step 18	Go to Step 23
12	1. Turn OFF the ignition. 2. Disconnect the clutch pedal position (CPP) switch. 3. Turn ON the ignition, with the engine OFF. 4. Probe the CPP switch ignition positive voltage circuit with a test lamp connected to a good ground. Did the test lamp illuminate?	Go to Step 20	Go to Step 24

13	Test the cruise control ON switch signal circuit for a open, high resistance, short to ground or short to voltage. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 28
14	Test the cruise control Set/Coast signal circuit for a open, high resistance, short to ground or short to voltage. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 28
15	Test the cruise control Resume/Accelerate signal circuit for a open, high resistance, short to ground or short to voltage. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 28
16	Test the stop lamp switch signal circuit for a open, high resistance, short to ground or short to voltage. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 17
17	Check the stop lamp switch for proper adjustment. Refer to Stop Lamp Switch Adjustment in Hydraulic Brakes. Did you find and correct the condition?	Go to Step 35	Go to Step 25
18	Test the cruise release switch signal circuit for a open, high resistance, short to ground or short to voltage. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 19

19	Check the cruise release switch for proper adjustment. Refer to Cruise Control Cable Adjustment in Hydraulic Brakes. Did you find and correct the condition?	Go to Step 35	Go to Step 26
20	Test the CPP switch signal circuit for a open, high resistance, short to ground or short to voltage. Refer to Circuit Testing and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 27
21	Repair the open, high resistance or short to ground in the multifunction turn signal lever ignition positive voltage feed circuit. Refer to Wiring Repairs in Wiring Systems. Did you complete the repair?	Go to Step 35	--
22	Repair the open, high resistance or short to ground in the stop lamp switch battery positive voltage feed circuit. Refer to Wiring Repairs in Wiring Systems. Did you complete the repair?	Go to Step 35	--
23	Repair the open, high resistance or short to ground in the cruise release switch battery positive voltage feed circuit. Refer to Wiring Repairs in Wiring Systems. Did you complete the repair?	Go to Step 35	--
24	Repair the open, high resistance or short to ground in the CPP switch battery positive voltage feed circuit. Refer to Wiring Repairs in Wiring Systems. Did you complete the repair?	Go to Step 35	--

25	Inspect for poor connections at the harness connector of the stop lamp switch. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 30
26	Inspect for poor connections at the harness connector of the cruise release switch. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 31
27	Inspect for poor connections at the harness connector of the CPP switch. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 32
28	Inspect for poor connections at the harness connector of the multifunction turn signal lever. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 33
29	Inspect for poor connections at the harness connector of the PCM. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	Go to Step 35	Go to Step 34
30	Replace the stop lamp switch. Refer to Stop Lamp Switch Replacement in Hydraulic Brakes. Did you complete the repair.	Go to Step 35	--

31	Replace the cruise release switch. Refer to Cruise Release Switch Replacement . Did you complete the repair.	Go to Step 35	--
32	Replace the CPP switch. Refer to Clutch Pedal Position Switch Replacement in Clutch. Did you complete the repair.	Go to Step 35	--
33	Replace the multifunction turn signal lever. Refer to Multifunction Turn Signal Lever Replacement - On Vehicle in Steering Wheel and Column - Tilt. Did you complete the repair?	Go to Step 35	--
34	**Important** The PCM must be reprogrammed before replacement. Replace the PCM. Refer to PCM Replacement/ Programming in Engine Controls.	Go to Step 35	--
35	Operate the vehicle with in the conditions for cruise control operation. Does the cruise control system operate properly?	System OK	Go to Step 2
