STOP LAMPS INOPERATIVE

TEST DESCRIPTION

Step	Action	Yes	No
1	Did you perform the Diagnostic System Check – Vehicle?	Go to Step 2	Go to Diagnostic System Check - Vehicle
2	1. Observe the stop lamps. 2. Press and release the brake pedal. Do the stop lamps operate properly?	Go to Diagnostic Aids for Circuit Testing and Wiring Repair Procedures	Go to Step 3
3	Press and release the brake pedal. Does the bass relay turn ON and OFF?	Go to Step 6	Go to Step 4
4	1. Turn OFF the ignition. 2. Disconnect the bass relay. 3. Turn ON the ignition, with the engine OFF. 4. Probe the coil side supply voltage circuit of the bass relay with a test lamp that is connected to a good ground. Does the test lamp illuminate?	Go to Step 5	Go to Step 14
5	1. Turn OFF the ignition. 2. Connect a test lamp between the coil side supply voltage circuit of the bass relay and the control circuit of the bass relay. 3. Turn ON the ignition, with the engine OFF. 4. Press and release the brake pedal. Does the test lamp turn ON and OFF?	Go to Step 12	Go to Step 9
6	Probe the switch side supply voltage circuit of the bass relay with a test lamp that is connected to a good ground. Does the test lamp illuminate?	Go to Step 7	Go to Step 15
7	Connect a 10-amp fused jumper between the switch side supply voltage circuit of the bass relay and the stop lamp switch signal circuit of the bass relay. Do the stop lamps illuminate?	Go to Step 12	Go to Step 8
8	1. Turn OFF the ignition. 2. Disconnect the inoperable stop lamp bulb. 3. Connect a test lamp between the stop lamp switch signal circuit of the inoperable stop lamp bulb and the ground circuit of the inoperable stop lamp bulb. 4. Turn ON the ignition, with the engine OFF. Does the test lamp illuminate?	Go to Step 11	Go to Step 10
9	Test the control circuit of the bass relay for an open or a short to voltage. Did you find and correct the condition?	Go to Step 20	Go to Step 13
10	Test the stop lamp switch signal circuit for a high resistance or an open. Did you find and correct the condition?	Go to Step 20	Go to Step 16
11	Inspect for poor connections at the inoperable stop lamp bulb. Did you find and correct the condition?	Go to Step 20	Go to Step 18
12	Inspect for poor connections at the bass relay. Did you find and correct the condition?	Go to Step 20	Go to Step 17

Steps 1 - 12

Step	Action	Yes	No
13	Inspect for poor connections at the harness connector of the electronic brake control module (EBCM). Did you find and correct the condition?	Go to Step 20	Go to Step 19
14	Repair the open circuit in the coil side supply voltage circuit of the bass relay. Did you complete the repair?	Go to Step 20	—
15	Repair the open circuit in the switch side supply voltage circuit of the bass relay. Did you complete the repair?	Go to Step 20	—
16	Repair the open circuit in the ground circuit of the inoperable stop lamp. Did you complete the repair?	Go to Step 20	—
17	Replace the bass relay. Did you complete the replacement?	Go to Step 20	—
18	Replace the inoperable stop lamp bulb. Did you complete the replacement?	Go to Step 20	—
19	1. Replace the EBCM. 2. Perform the brake pedal position sensor recalibration procedure. Refer to Brake Pedal Position Sensor Calibration . Did you complete the replacement?	Go to Step 20	—
20	Operate the system in order to verify the repair. Did you correct the condition?	System OK	Go to Step 2

Steps 13 - 20

The numbers below refer to the step numbers on the diagnostic table.

3. Listen for an audible click when the relay operates.
4. Tests for voltage at the coil side of the relay.

Verifies that the control module is providing ground to the relay.