Keyless Entry System Inoperative

16. This step verifies that the keyless entry serial data circuit is at B+ supplied by the BCM.

17. This step tests for a short to voltage which would not be detected with a DMM in step 16.

Step	Action	Value	Yes	No
1	Did you perform the Remote Keyless Entry Diagnostic System Check?	--	Go to Step 2	Go to Diagnostic System Check - Remote Keyless Entry
2	Press each button of the transmitter one at a time. Does the system operate normally?	--	Go to Intermittents and Poor Connections Diagnosis in Wiring Systems	Go to Step 3
3	Lock and unlock the door locks using the lock switches inside the vehicle. Do the locks operate properly?	--	Go to Step 4	Go to Power Door Locks System Check in Doors
4	Operate the rear hatch release from the controls inside the vehicle (if equipped). Does the hatch release operate properly?	--	Go to Step 5	Go to Lift Window Release System Check in Body Rear End
5	**Important** Inspect that the keyless entry transmitter is the correct model for the vehicle remote system. A wrong model transmitter may pass this test, but will not activate the vehicle remote system. 1. Turn on the J 43241 Keyless Entry Tester. 2. Place the transmitter on the J 43241 test pad. 3. Press each button of the transmitter one at a time. Does a tone sound and the green light illuminate on the J 43241 after each button is pressed?	--	Go to Step 10	Go to Step 6
6	Do any of the buttons on the transmitter sound the	--		

	tone and illuminate the green light when pressed?		Go to Step 9	Go to Step 7
7	Replace the transmitter battery. Refer to Transmitter Battery Replacement . Did you complete the replacement?	--	Go to Step 8	--
8	1. Turn on the J 43241 Keyless Entry Tester. 2. Place the transmitter on the J 43241 test pad. 3. Press each button of the transmitter one at a time. Does a tone sound and the green light illuminate on the J 43241 after each button is pressed?	--	Go to Step 10	Go to Step 9
9	Replace the transmitter. Did you complete the replacement?	--	Go to Step 13	--
10	Press the PANIC button on the transmitter. Does the PANIC function operate normally?	--	Go to Step 11	Go to Step 13
11	Perform the synchronization procedure. Refer to Transmitter Synchronization . Do the locks cycle to lock then unlock?	--	Go to Step 12	Go to Step 13
12	Operate the transmitter within range of the vehicle. Do all of the Remote Keyless Entry functions operate normally?	--	Go to Step 26	Go to Step 13
13	**Important** All transmitters which are to be recognized by the Remote Control Door Lock Receiver must be programmed in a single programming sequence. If the system is placed in program mode it will erase all previously programmed transmitters upon the receipt of the programming signal from the first transmitter. Perform the programming procedure. Refer to Transmitter Programming . Do the locks cycle to lock then unlock?	--	Go to Step 26	Go to Step 14
14	1. Turn OFF the Ignition. 2. Disconnect the Remote Control Door Lock Receiver. 3. Probe the battery positive voltage circuit of the Remote Control Door Lock Receiver with a test lamp that is connected to a good ground. Does the test lamp illuminate?	--	Go to Step 15	Go to Step 24

15	Connect a test lamp between the ground circuit of the Remote Control Door Lock Receiver and the battery positive voltage circuit of the Remote Control Door Lock Receiver. Does the test lamp illuminate?	--	Go to Step 16	Go to Step 25
16	1. Disconnect the test lamp. 2. Turn ON the ignition, with the engine OFF. 3. Measure the voltage between the keyless entry serial data circuit and the ground circuit of the Remote Control Door Lock Receiver. Does the voltage measure within the specified range?	B+	Go to Step 17	Go to Step 19
17	1. Turn ON the ignition, with the engine OFF. 2. Probe the keyless entry serial data circuit of the Remote Control Door Lock Receiver with a test lamp that is connected to a good ground. Does the Test lamp illuminate?	--	Go to Step 18	Go to Step 20
18	Test the keyless entry serial data circuit for a short to voltage. Refer to Testing for a Short to Voltage and Wiring Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 26	Go to Step 21
19	Test the keyless entry serial data circuit for an open, high resistance, or short to ground. Refer to the following procedures in Wiring Systems: • Testing for Continuity • Testing for Short to Ground • Wiring Repairs Did you find and correct the condition?	--	Go to Step 26	Go to Step 21
20	Inspect for poor connections at the harness connector of the Remote Control Door Lock Receiver. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 26	Go to Step 22
21	Inspect for poor connections at the harness connector of the Body Control Module. Refer to Testing for Intermittent and Poor Connections and Connector Repairs in Wiring Systems. Did you find and correct the condition?	--	Go to Step 26	Go to Step 23
	Important			

22	All transmitters which are to be recognized by the Remote Control Door Lock Receiver must be programmed in a single programming sequence. If the system is placed in program mode it will erase all previously programmed transmitters upon the receipt of the programming signal from the first transmitter. Refer to Transmitter Programming . Replace the Remote Control Door Lock Receiver. Refer to Receiver Replacement . Did you complete the replacement?	--	Go to Step 26	--
23	**Important** Replacement of the Body Control Module will require a setup procedure to be performed. Refer to Body Control Module (BCM) Programming/RPO Configuration in Body Control System. Replace the Body Control Module. Refer to Body Control Module Replacement in Body Control System. Did you complete the replacement?	--	Go to Step 26	--
24	Repair the open, high resistance , or short to ground in the battery positive voltage circuit of the Remote Control Door Lock Receiver. Refer to the following procedures in Wiring Systems: • Testing for Continuity • Testing for Short to Ground • Wiring Repairs Did you complete the repair?	--	Go to Step 26	--
25	Repair the open or high resistance in the ground circuit of the Remote Control Door Lock Receiver. Refer to Testing for Continuity and Wiring Repairs in Wiring Systems. Did you complete the repair?	--	Go to Step 26	--
26	Operate the system in order to verify the repair. Did you correct the condition?	--	System OK	Go to Step 3