

- The short term integrator is between -20 to +20 percent.
- ^ The catalyst test may abort due to a change in the engine load from the A/C, the coolant fan, or other components. If this condition occurs, use the scan tool to force the cooling fans ON, then return to Step 2 in the table.

**IMPORTANT:** When using a scan tool to command the cooling fans ON use the next list and previous list soft keys to enter the catalyst data list. If the catalyst data list is not entered this way the cooling fan control will be canceled.

- ^ The number of attempted tests is limited to 18 per key cycle.
- ^ More than 6 tests may have to be attempted to achieve 6 completed tests. An aborted test counts as an attempted test.
- ^ If 18 tests have been attempted, and a decision has not been made this key cycle, turn the key OFF for **30 seconds**. Start the vehicle and perform the Conditions for Running the DTC, including the **10 minute** engine run time.
- ^ After returning to an idle the HO2S 1 signal may stay rich or lean for **several seconds** causing the test to be delayed.

If the condition is intermittent, refer to Intermittent Conditions. See: Diagnosis By Symptom (Computers and Control Systems)/Intermittent Conditions

**TEST DESCRIPTION**

**DTC P0420**

Step	Action	Yes	No
1	Did you perform the Diagnostic System Check—Computers and Control Systems?	Go to Step 2	Go to Diagnostic System Check - Computers and Control Systems
2	Are any other DTCs set?	Go to Diagnostic Trouble Code (DTC) List	Go to Step 3
3	1. Turn the A/C OFF. <b>Important:</b> If the A/C is left ON the diagnostic may not run. 2. Start the engine and wait until the vehicle is fully warmed up at least ten minutes, then above 1,500 RPM for 5 additional minutes. (One minute for each additional attempt at 1,500 RPM on same key cycle). The vehicle may be driven for the 5 minute run time. 3. Fully open the hood. 4. Operate the vehicle within the Conditions for Running the DTC as specified in the supporting text. <b>Important:</b> If more than 6 tests have been attempted and the DTC has not passed or failed this ignition cycle the test may be aborted. Refer to Diagnostic Aids. 5. The test may need to be completed up to 6 times in order to pass or fail. Does the DTC reset?	Go to Step 4	System OK

Steps 1-3