

2005 GMC Truck Sierra 1500 4WD V8-5.3L VIN T

Vehicle > ALL Diagnostic Trouble Codes (DTC) > Testing and Inspection > C Code Charts

Step	Action	Values	Yes	No
Schematic Reference: ABS Schematics				
1	Did you perform the Diagnostic System Check – Vehicle?	—	Go to Step 2	Go to Diagnostic System Check - Vehicle
2	<ol style="list-style-type: none"> Use a scan tool in order to clear the DTCs. Operate the vehicle at a speed greater than the specified value. <p>Does the DTC set?</p>	13 km/h (8 mph)	Go to Step 3	Go to Diagnostic Aids
3	<ol style="list-style-type: none"> Turn OFF the ignition. Disconnect from the electronic brake control module (EBCM), the harness connector containing the vehicle speed signal circuit. Turn ON the ignition. Use a DMM in order to measure the DC voltage between the vehicle speed signal circuit and a good ground. <p>Does the voltage measure greater than the specified value?</p>	10 V	Go to Step 4	Go to Step 7
4	<ol style="list-style-type: none"> Raise and support the vehicle. Place the transmission in neutral (N). Set up the DMM in order to measure the DC voltage between the vehicle speed signal circuit and a good ground. Slowly spin the rear wheels by hand for at least 30 seconds and while ensuring the driveshaft is rotating, observe the DMM. <p>Does the voltage measure within the specified range for the entire time that the driveshaft is rotating?</p>	5–7 V	Go to Step 5	Go to Step 7
5	<p>Inspect for poor connections at the harness connector of the electronic brake control module (EBCM).</p> <p>Did you find and correct the condition?</p>	—	Go to Step 10	Go to Step 6
	Replace the EBCM.			

6	Did you complete the replacement?	—	Go to Step 10	—
7	Test the vehicle speed signal circuit for an open, a short to ground or a short to voltage. Did you find and correct the condition?	—	Go to Step 10	Go to Step 8
8	Inspect for poor connections at the harness connector of the powertrain control module (PCM). Did you find and correct the condition?	—	Go to Step 10	Go to Step 9
9	Replace the PCM. Did you complete the replacement?	—	Go to Step 10	—
10	1. Use the scan tool in order to clear the DTCs. 2. Operate the vehicle within the Conditions for Running the DTC as specified in the supporting text. Does the DTC reset?	—	Go to Step 3	System OK