

Application	Key On Engine Off	Key On Engine Running	Continuous Memory
F-650/F-750, F-Series Super Duty, Fiesta, Fusion, Motorhome/Stripped Chassis/Step Van	GO to Pinpoint Test DF .		
Manual Transmission	GO to Pinpoint Test DP .		
Automatic Transmission	The PCM uses information from the ABS module and the transmission control module (TCM) to calculate vehicle speed. Check these modules for DTCs.		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0501 - VEHICLE SPEED SENSOR A RANGE/PERFORMANCE - DTC CHART

P0501 - VEHICLE SPEED SENSOR A RANGE/PERFORMANCE - DTC CHART

Description:			
Possible Causes:			
Diagnostic Aids: Refer to the service information , Electronic Engine Controls.			
Application	Key On Engine Off	Key On Engine Running	Continuous Memory
All	Refer to the Description, Possible Causes and Diagnostic Aids for the DTC.		

DIAGNOSTIC TROUBLE CODE (DTC) CHARTS AND DESCRIPTIONS > P0503 - VEHICLE SPEED SENSOR (VSS) A INTERMITTENT/ERRATIC/HIGH - DTC CHART

P0503 - VEHICLE SPEED SENSOR (VSS) A INTERMITTENT/ERRATIC/HIGH - DTC CHART

Description: This DTC sets when an incorrect or noisy VSS signal is detected. Vehicle speed data is received from either the VSS or the anti-lock brake system (ABS) module.
Possible Causes: - Noisy VSS input signal from radio frequency interference or electromagnetic interference external sources, such as ignition components or the charging circuit - Damaged VSS or driven gears - Damaged VSS wiring harness or connectors - Concern in the modules or circuits connected to the VSS circuit - Aftermarket add-on