

Diagnostic Trouble Code (DTC) Charts and Pinpoint Tests - 6.7L Power Stroke Diesel

Diagnostic Trouble Code (DTC) Chart

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices.

Diagnostic Trouble Code Chart

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
TCM	P0603:00	Internal Control Module Keep Alive Memory (KAM) Error: No Sub Type Information	GO to Pinpoint Test G
TCM	P0604:00	Internal Control Module Random Access Memory (RAM) Error: No Sub Type Information	GO to Pinpoint Test G
TCM	P0605:00	Internal Control Module Read Only Memory (ROM) Error: No Sub Type Information	GO to Pinpoint Test G
TCM	P0607:00	Control Module Performance: No Sub Type Information	GO to Pinpoint Test G
TCM	P060A:00	Internal Control Module Monitoring Processor Performance: No Sub Type Information	GO to Pinpoint Test G
TCM	P060B:00	Internal Control Module A/D Processing Performance: No Sub Type Information	GO to Pinpoint Test G
TCM	P060C:00	Internal Control Module Main Processor Performance: No Sub Type Information	GO to Pinpoint Test G
TCM	P061A:00	Internal Control Module Torque Performance: No Sub Type Information	GO to Pinpoint Test G
TCM	P064F:00	Unauthorized Software/Calibration Detected: No Sub Type Information	GO to Pinpoint Test G
TCM	P0657:00	Actuator Supply Voltage "A" Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
TCM	P068A:00	ECM/PCM Power Relay De-Energized - Too Early: No Sub Type Information	GO to Pinpoint Test H
TCM	P06B8:00	Internal Control Module Non-Volatile Random Access Memory (NVRAM) Error: No Sub Type Information	GO to Pinpoint Test G
TCM	P0702:00	Transmission Control System Electrical: No Sub Type Information	GO to Pinpoint Test H
TCM	P0706:00	Transmission Range Sensor "A" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test C
TCM	P0707:00	Transmission Range Sensor "A" Circuit Low: No Sub Type Information	GO to Pinpoint Test C
TCM	P0708:00	Transmission Range Sensor "A" Circuit High: No Sub Type Information	GO to Pinpoint Test C
TCM	P0709:00	Transmission Range Sensor "A" Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test C
TCM	P0710:00	Transmission Fluid Temperature Sensor "A" Circuit: No Sub Type Information	GO to Pinpoint Test B
TCM	P0711:00	Transmission Fluid Temperature Sensor "A" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test B
TCM	P0712:00	Transmission Fluid Temperature Sensor "A" Circuit Low: No Sub Type Information	GO to Pinpoint Test B
TCM	P0713:00	Transmission Fluid Temperature Sensor "A" Circuit High: No Sub Type Information	GO to Pinpoint Test B
TCM	P0715:00	Input/Turbine Shaft Speed Sensor "A" Circuit: No Sub Type Information	GO to Pinpoint Test D

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
TCM	P0716:00	Input/Turbine Shaft Speed Sensor "A" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test F
TCM	P0717:00	Input/Turbine Shaft Speed Sensor "A" Circuit No Signal: No Sub Type Information	GO to Pinpoint Test D
TCM	P0718:00	Input/Turbine Shaft Speed Sensor "A" Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test D
TCM	P0720:00	Output Shaft Speed Sensor Circuit: No Sub Type Information	GO to Pinpoint Test D
TCM	P0721:00	Output Shaft Speed Sensor Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test F
TCM	P0722:00	Output Shaft Speed Sensor Circuit No Signal: No Sub Type Information	GO to Pinpoint Test D
TCM	P0723:00	Output Shaft Speed Sensor Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test D
TCM	P0729:00	Gear 6 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test I
TCM	P0731:00	Gear 1 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test J
TCM	P0732:00	Gear 2 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test K
TCM	P0733:00	Gear 3 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test L
TCM	P0734:00	Gear 4 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test M
TCM	P0735:00	Gear 5 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test N
TCM	P0736:00	Reverse Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test O
TCM	P0740:00	Torque Converter Clutch Solenoid Circuit/Open: No Sub Type Information	GO to Pinpoint Test E
TCM	P0741:00	Torque Converter Clutch Solenoid Circuit Performance Stuck Off: No Sub Type Information	GO to Pinpoint Test P
TCM	P0743:00	Torque Converter Clutch Solenoid Circuit Electrical: No Sub Type Information	GO to Pinpoint Test E
TCM	P0748:00	Pressure Control Solenoid "A" Electrical: No Sub Type Information	GO to Pinpoint Test E
TCM	P0751:00	Shift Solenoid "A" Performance/Stuck Off: No Sub Type Information	GO to Pinpoint Test P
TCM	P0752:00	Shift Solenoid "A" Stuck On: No Sub Type Information	GO to Pinpoint Test Q
TCM	P0753:00	Shift Solenoid "A" electrical: No Sub Type Information	GO to Pinpoint Test A
TCM	P0754:00	Shift Solenoid "A" Intermittent: No Sub Type Information	GO to Pinpoint Test A
TCM	P0756:00	Shift Solenoid "B" Performance/Stuck Off: No Sub Type Information	GO to Pinpoint Test P
TCM	P0757:00	Shift Solenoid "B" Stuck On: No Sub Type Information	GO to Pinpoint Test Q
TCM	P0758:00	Shift Solenoid "B" electrical: No Sub Type Information	GO to Pinpoint Test A
TCM	P0759:00	Shift Solenoid "B" Intermittent: No Sub Type Information	GO to Pinpoint Test A
TCM	P0761:00	Shift Solenoid "C" Performance/Stuck Off: No Sub Type Information	GO to Pinpoint Test P
TCM	P0762:00	Shift Solenoid "C" Stuck On: No Sub Type Information	GO to Pinpoint Test Q
TCM	P0763:00	Shift Solenoid "C" electrical: No Sub Type Information	GO to Pinpoint Test A
TCM	P0764:00	Shift Solenoid "C" Intermittent: No Sub Type Information	GO to Pinpoint Test A
TCM	P0766:00	Shift Solenoid "D" Performance/Stuck Off: No Sub Type Information	GO to Pinpoint Test P
TCM	P0767:00	Shift Solenoid "D" Stuck On: No Sub Type Information	GO to Pinpoint Test Q
TCM	P0768:00	Shift Solenoid "D" electrical: No Sub Type Information	GO to Pinpoint Test A
TCM	P0769:00	Shift Solenoid "D" Intermittent: No Sub Type Information	GO to Pinpoint Test A
TCM	P076F:00	Gear 7 Ratio Incorrect: No Sub Type Information	GO to Pinpoint Test R
TCM	P0771:00	Shift Solenoid "E" Performance/Stuck Off: No Sub Type Information	GO to Pinpoint Test P
TCM	P0772:00	Shift Solenoid "E" Stuck On: No Sub Type Information	GO to Pinpoint Test Q
TCM	P0773:00	Shift Solenoid "E" electrical: No Sub Type Information	GO to Pinpoint Test A
TCM	P0774:00	Shift Solenoid "E" Intermittent: No Sub Type Information	GO to Pinpoint Test A
TCM	P077D:00	Output Shaft Speed Sensor Circuit High: No Sub Type Information	GO to Pinpoint Test D

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
TCM	P0791:00	Intermediate Shaft Speed Sensor "A" Circuit: No Sub Type Information	GO to Pinpoint Test D
TCM	P0792:00	Intermediate Shaft Speed Sensor "A" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test F
TCM	P0793:00	Intermediate Shaft Speed Sensor "A" Circuit No Signal: No Sub Type Information	GO to Pinpoint Test D
TCM	P0794:00	Intermediate Shaft Speed Sensor "A" Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test D
TCM	P07BF:00	Input/Turbine Shaft Speed Sensor "A" Circuit Low: No Sub Type Information	GO to Pinpoint Test D
TCM	P07C0:00	Input/Turbine Shaft Speed Sensor "A" Circuit High: No Sub Type Information	GO to Pinpoint Test D
TCM	P07C5:00	Intermediate Shaft Speed Sensor "A" Circuit Low: No Sub Type Information	GO to Pinpoint Test D
TCM	P07C6:00	Intermediate Shaft Speed Sensor "A" Circuit High: No Sub Type Information	GO to Pinpoint Test D
TCM	P07C7:00	Intermediate Shaft Speed Sensor "B" Circuit Low: No Sub Type Information	GO to Pinpoint Test D
TCM	P07C8:00	Intermediate Shaft Speed Sensor "B" Circuit High: No Sub Type Information	GO to Pinpoint Test D
TCM	P07D9:00	Gear 8 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test S
TCM	P07F6:00	Gear 9 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test T
TCM	P07F7:00	Gear 10 Incorrect Ratio: No Sub Type Information	GO to Pinpoint Test U
TCM	P0868:00	Transmission Fluid Pressure Low: No Sub Type Information	GO to Pinpoint Test V
TCM	P0882:00	TCM Power Input Signal Low: No Sub Type Information	GO to Pinpoint Test H
TCM	P0883:00	TCM Power Input Signal High: No Sub Type Information	GO to Pinpoint Test H
TCM	P0884:00	TCM Power Input Signal Intermittent: No Sub Type Information	GO to Pinpoint Test H
TCM	P0960:00	Pressure Control Solenoid "A" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test E
TCM	P0961:00	Pressure Control Solenoid "A" Control Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test E
TCM	P0962:00	Pressure Control Solenoid "A" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test E
TCM	P0963:00	Pressure Control Solenoid "A" Control Circuit High: No Sub Type Information	GO to Pinpoint Test E
TCM	P0973:00	Shift solenoid "A" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
TCM	P0974:00	Shift solenoid "A" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
TCM	P0976:00	Shift solenoid "B" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
TCM	P0977:00	Shift solenoid "B" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
TCM	P0979:00	Shift solenoid "C" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
TCM	P097A:00	Shift solenoid "A" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
TCM	P097B:00	Shift solenoid "B" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
TCM	P097C:00	Shift solenoid "C" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
TCM	P097D:00	Shift solenoid "D" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
TCM	P097E:00	Shift solenoid "E" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
TCM	P097F:00	Shift solenoid "F" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
TCM	P0980:00	Shift solenoid "C" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
TCM	P0982:00	Shift solenoid "D" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
TCM	P0983:00	Shift solenoid "D" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
TCM	P0985:00	Shift solenoid "E" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
TCM	P0986:00	Shift solenoid "E" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
TCM	P0998:00	Shift solenoid "F" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
TCM	P0999:00	Shift solenoid "F" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
TCM	P1001:00	KOER Not Able to Complete, KOER Aborted: No Sub Type Information	GO to Pinpoint Test W
TCM	P1397:00	System Voltage Out Of Self Test Range: No Sub Type Information	GO to Pinpoint Test H

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
TCM	P1501:00	Vehicle Speed Sensor Out Of Self Test Range: No Sub Type Information	GO to Pinpoint Test W
TCM	P160A:00	Control Module Vehicle Options Reconfiguration Error: No Sub Type Information	GO to Pinpoint Test G
TCM	P1636:00	Inductive Signature Chip Communication Error: No Sub Type Information	GO to Pinpoint Test X
TCM	P163E:00	Transmission Control Module Programming Error: No Sub Type Information	GO to Pinpoint Test Y
TCM	P163F:00	Transmission ID Block Corrupted, Not Programmed: No Sub Type Information	GO to Pinpoint Test Y
TCM	P1674:00	Control Module Software Corrupted: No Sub Type Information	GO to Pinpoint Test G
TCM	P1705:00	Transmission Range Circuit Not Indicating Park/Neutral During Self Test: No Sub Type Information	GO to Pinpoint Test C
TCM	P1711:00	Transmission Fluid Temperature Sensor Out Of Self Test Range: No Sub Type Information	GO to Pinpoint Test Z
TCM	P1744:00	Torque Converter Clutch Solenoid Circuit Performance: No Sub Type Information	GO to Pinpoint Test P
TCM	P1783:00	Transmission Fluid Over Temperature Condition: No Sub Type Information	GO to Pinpoint Test AA
TCM	P1A02:00	Transmission One Way Clutch Performance: No Sub Type Information	GO to Pinpoint Test AB
TCM	P2531:00	Ignition Switch Run Position Circuit Low: No Sub Type Information	GO to Pinpoint Test AC
TCM	P2532:00	Ignition Switch Run Position Circuit High: No Sub Type Information	GO to Pinpoint Test AC
TCM	P2669:00	Actuator Supply Voltage "B" Circuit/Open: No Sub Type Information	GO to Pinpoint Test E
TCM	P26C3:00	Internal Control Module Transmission Range Sensor Performance: No Sub Type Information	GO to Pinpoint Test C
TCM	P2700:00	Transmission Friction Element "A" Apply Time Range Performance: No Sub Type Information	GO to Pinpoint Test AD
TCM	P2701:00	Transmission Friction Element "B" Apply Time Range Performance: No Sub Type Information	GO to Pinpoint Test AD
TCM	P2702:00	Transmission Friction Element "C" Apply Time Range Performance: No Sub Type Information	GO to Pinpoint Test AD
TCM	P2703:00	Transmission Friction Element "D" Apply Time Range Performance: No Sub Type Information	GO to Pinpoint Test AD
TCM	P2704:00	Transmission Friction Element "E" Apply Time Range Performance: No Sub Type Information	GO to Pinpoint Test AD
TCM	P2705:00	Transmission Friction Element "F" Apply Time Range Performance: No Sub Type Information	GO to Pinpoint Test AD
TCM	P2707:00	Shift Solenoid "F" Performance/Stuck Off: No Sub Type Information	GO to Pinpoint Test P
TCM	P2708:00	Shift Solenoid "F" Stuck On: No Sub Type Information	GO to Pinpoint Test Q
TCM	P2709:00	Shift Solenoid "F" Electrical: No Sub Type Information	GO to Pinpoint Test A
TCM	P2710:00	Shift Solenoid "F" Intermittent: No Sub Type Information	GO to Pinpoint Test A
TCM	P2745:00	Intermediate Shaft Speed Sensor "B" Circuit: No Sub Type Information	GO to Pinpoint Test D
TCM	P2746:00	Intermediate Shaft Speed Sensor "B" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test F
TCM	P2747:00	Intermediate Shaft Speed Sensor "B" Circuit No Signal: No Sub Type Information	GO to Pinpoint Test D
TCM	P2748:00	Intermediate Shaft Speed Sensor "B" Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test D
TCM	P2760:00	Torque Converter Clutch Pressure Control Solenoid Intermittent: No Sub Type Information	GO to Pinpoint Test E
TCM	P2769:00	Torque Converter Clutch Circuit Low: No Sub Type Information	GO to Pinpoint Test E
TCM	P2770:00	Torque Converter Clutch Circuit High: No Sub Type Information	GO to Pinpoint Test E
TCM	P27B4:00	Internal Control Module Transmission Gear Direction Control Performance: No Sub Type Information	GO to Pinpoint Test AE

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
TCM	P27B5:00	Internal Control Module Transmission Gear Ratio Control Performance: No Sub Type Information	GO to Pinpoint Test AE
TCM	P27B6:00	Internal Control Module Transmission Speed Sensor Performance: No Sub Type Information	GO to Pinpoint Test AE
TCM	P2801:00	Transmission Range Sensor "B" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test C
TCM	P2802:00	Transmission Range Sensor "B" Circuit Low: No Sub Type Information	GO to Pinpoint Test C
TCM	P2803:00	Transmission Range Sensor "B" Circuit High: No Sub Type Information	GO to Pinpoint Test C
TCM	P2804:00	Transmission Range Sensor "B" Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test C
TCM	P2805:00	Transmission Range Sensor "A"/ "B" Correlation: No Sub Type Information	GO to Pinpoint Test C
TCM	U0028:00	Vehicle Communication Bus A: No Sub Type Information	GO to Pinpoint Test AF
TCM	U0037:00	Vehicle Communication Bus B: No Sub Type Information	GO to Pinpoint Test AF
TCM	U0073:00	Control Module Communication Bus "A" Off: No Sub Type Information	GO to Pinpoint Test AF
TCM	U0074:00	Control Module Communication Bus "B" Off: No Sub Type Information	GO to Pinpoint Test AF
TCM	U0100:00	Lost Communication With ECM/PCM "A": No Sub Type Information	GO to Pinpoint Test AG
TCM	U0121:00	Lost Communication With Anti-Lock Brake System (ABS) Control Module "A": No Sub Type Information	GO to Pinpoint Test AH
TCM	U0140:00	Lost Communication With Body Control Module: No Sub Type Information	GO to Pinpoint Test AI
TCM	U0146:00	Lost Communication With Gateway "A": No Sub Type Information	GO to Pinpoint Test AJ
TCM	U0155:00	Lost Communication With Instrument Panel Cluster (IPC) Control Module: No Sub Type Information	GO to Pinpoint Test AK
TCM	U0401:00	Invalid Data Received from ECM/PCM A: No Sub Type Information	GO to Pinpoint Test AG
TCM	U0415:00	Invalid Data Received from Anti-Lock Brake System (ABS) Control Module "A": No Sub Type Information	GO to Pinpoint Test AH
TCM	U0422:00	Invalid Data Received From Body Control Module: No Sub Type Information	GO to Pinpoint Test AI
TCM	U2100:00	Initial Configuration Not Complete: No Sub Type Information	GO to Pinpoint Test G
TCM	U2101:00	Control Module Configuration Incompatible: No Sub Type Information	GO to Pinpoint Test G
TCM	U2200:00	Control Module Configuration Memory Corrupt: No Sub Type Information	GO to Pinpoint Test G

Principles of Operation

Pinpoint Tests

☐ [PINPOINT TEST A : SHIFT SOLENOIDS](#)

☐ [PINPOINT TEST B : TRANSMISSION FLUID TEMPERATURE SENSOR](#)

☐ [PINPOINT TEST C : TRANSMISSION RANGE SENSOR](#)

☐ [PINPOINT TEST D : TSS, OSS, ISSA, ISSB SENSORS \(ELECTRICAL\)](#)

☐ [PINPOINT TEST E : TCC, LPC SOLENOIDS](#)

☐ [PINPOINT TEST F : OSS, TSS, ISSA, ISSB SENSOR \(PERFORMANCE\)](#)

☐ [PINPOINT TEST G : INTERNAL MODULE DTC \(DIAGNOSTIC TROUBLE CODE\) S](#)

☐ [PINPOINT TEST H : DTC P0702, P0882, P0883, P0884, P1397](#)

☐ [PINPOINT TEST I : DTC P0729](#)

☐ [PINPOINT TEST J : DTC P0731](#)

☐ [PINPOINT TEST K : DTC P0732](#)

☐ [PINPOINT TEST L : DTC P0733](#)

☐ [PINPOINT TEST M : DTC P0734](#)

☐ [PINPOINT TEST N : DTC P0735](#)

☐ [PINPOINT TEST O : DTC P0736](#)

☐ [PINPOINT TEST P : DTC P0741, P0751, P0756, P0761, P0766, P0771, P07A8, P07AA](#)

☐ [PINPOINT TEST Q : DTC P0752, P0757, P0762, P0767, P0772, P2808](#)

☐ [PINPOINT TEST R : DTC P076F](#)

☐ [PINPOINT TEST S : DTC P07D9](#)

☐ [PINPOINT TEST T : DTC P07F6](#)

☐ [PINPOINT TEST U : DTC P07F7](#)

☐ [PINPOINT TEST V : DTC P0868](#)

☐ [PINPOINT TEST W : DTC P1001, P1501](#)

☐ [PINPOINT TEST X : DTC P1636](#)

☐ [PINPOINT TEST Y : DTC P163E, P163F](#)

☐ [PINPOINT TEST Z : DTC P1711](#)

☐ [PINPOINT TEST AA : DTC P1783](#)

☐ [PINPOINT TEST AB : DTC P1A02](#)

☐ [PINPOINT TEST AC : DTC P2531, P2532](#)

☐ [PINPOINT TEST AD : DTC P2700, P2701, P2702, P2703, P2704, 2705](#)

☐ [PINPOINT TEST AE : DTC P27B4, P27B5, P27B6](#)

☐ [PINPOINT TEST AF : DTC U0028, U0037, U0073, U0074](#)

☐ [PINPOINT TEST AG : DTC U0100, U0401](#)

☐ [PINPOINT TEST AH : U0121, U0415](#)

☐ [PINPOINT TEST AI : U0140, U0422](#)

☐ [PINPOINT TEST AJ : DTC U0146](#)

☐ [PINPOINT TEST AK : U0155](#)

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