

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
PCM	P0962:00	Pressure Control Solenoid "A" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test G
PCM	P0963:00	Pressure Control Solenoid "A" Control Circuit High: No Sub Type Information	GO to Pinpoint Test G
PCM	P0973:00	Shift Solenoid "A" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
PCM	P0974:00	Shift Solenoid "A" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
PCM	P0976:00	Shift Solenoid "B" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
PCM	P0977:00	Shift Solenoid "B" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
PCM	P0979:00	Shift Solenoid "C" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
PCM	P097A:00	Shift Solenoid "A" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
PCM	P097B:00	Shift Solenoid "B" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
PCM	P097C:00	Shift Solenoid "C" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
PCM	P097D:00	Shift Solenoid "D" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
PCM	P097E:00	Shift Solenoid "E" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
PCM	P097F:00	Shift Solenoid "F" Control Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
PCM	P0980:00	Shift Solenoid "C" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
PCM	P0982:00	Shift Solenoid "D" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
PCM	P0983:00	Shift Solenoid "D" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
PCM	P0985:00	Shift Solenoid "E" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
PCM	P0986:00	Shift Solenoid "E" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
PCM	P0998:00	Shift Solenoid "F" Control Circuit Low: No Sub Type Information	GO to Pinpoint Test A
PCM	P0999:00	Shift Solenoid "F" Control Circuit High: No Sub Type Information	GO to Pinpoint Test A
PCM	P0B0D:00	Electric/Auxiliary Transmission Fluid Pump Motor Control Module: No Sub Type Information	GO to Pinpoint Test F
PCM	P0C27:00	Electric/Auxiliary Transmission Fluid Pump "A" Motor Current Low: No Sub Type Information	GO to Pinpoint Test F
PCM	P0C28:00	Electric/Auxiliary Transmission Fluid Pump "A" Motor Current High: No Sub Type Information	GO to Pinpoint Test E
PCM	P0C29:00	Electric/Auxiliary Transmission Fluid Pump "A" Driver Circuit Performance: No Sub Type Information	GO to Pinpoint Test E
PCM	P0C2A:00	Electric/Auxiliary Transmission Fluid Pump "A" Motor Stalled: No Sub Type Information	GO to Pinpoint Test E
PCM	P0C2C:00	Electric Transmission Fluid Pump Control Module Feedback Signal Range/Performance: No Sub Type Information	GO to Pinpoint Test E
PCM	P0C2D:00	Electric Transmission Fluid Pump Control Module Feedback Signal Low: No Sub Type Information	GO to Pinpoint Test E
PCM	P0C2E:00	Electric Transmission Fluid Pump Control Module Feedback Signal High: No Sub Type Information	GO to Pinpoint Test E
PCM	P1001:00	KOER Not Able to Complete, KOER Aborted: No Sub Type Available	GO to Pinpoint Test AH
PCM	P1397:00	System voltage Out Of Self Test Range: No Sub Type Available	GO to Pinpoint Test AI
PCM	P1636:00	Inductive Signature Chip Communication Error: No Sub Type Information	GO to Pinpoint Test AB
PCM	P163E:00	Transmission Control Module Programming Error: No Sub Type Information	GO to Pinpoint Test AC
PCM	P163F:00	Transmission ID Block Corrupted, Not Programmed: No Sub Type Information	GO to Pinpoint Test AC
PCM	P1705:00	TR Circuit Not Indicating Park/Neutral During Self Test: No Sub Type Information	GO to Pinpoint Test C
PCM	P1711:00	Transmission Fluid Temperature Sensor Out Of Self Test Range: No Sub Type Information	GO to Pinpoint Test B
PCM	P1744:00	Torque Converter Clutch Solenoid Circuit Performance: No Sub Type Available	GO to Pinpoint Test AD
PCM	P175A:00	Transmission Fluid Over Temperature Condition - Electric Transmission Fluid Pump Disabled: No Sub Type Information	GO to Pinpoint Test F

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
PCM	P1783:00	Transmission Fluid Over Temperature Condition: No Sub Type Information	GO to Pinpoint Test J
PCM	P1A02:00	Transmission One Way Clutch Performance: No Sub Type Available	GO to Pinpoint Test AE
PCM	P2669:00	Actuator Supply Voltage "B" Circuit/Open: No Sub Type Information	GO to Pinpoint Test A
PCM	P26C3:00	Internal Control Module Transmission Range Sensor Performance: No Sub Type Available	GO to Pinpoint Test AF
PCM	P2700:00	Transmission Friction Element "A" Apply Time Range Performance: No Sub Type Available	GO to Pinpoint Test AA
PCM	P2701:00	Transmission Friction Element "B" Apply Time Range Performance: No Sub Type Available	GO to Pinpoint Test AA
PCM	P2702:00	Transmission Friction Element "C" Apply Time Range Performance: No Sub Type Available	GO to Pinpoint Test AA
PCM	P2703:00	Transmission Friction Element "D" Apply Time Range Performance: No Sub Type Available	GO to Pinpoint Test AA
PCM	P2704:00	Transmission Friction Element "E" Apply Time Range Performance: No Sub Type Available	GO to Pinpoint Test AA
PCM	P2705:00	Transmission Friction Element "F" Apply Time Range Performance: No Sub Type Available	GO to Pinpoint Test AA
PCM	P2707:00	Shift Solenoid "F" Performance/Stuck Off: No Sub Type Available	GO to Pinpoint Test X
PCM	P2708:00	Shift Solenoid "F" Stuck On: No Sub Type Available	GO to Pinpoint Test Y
PCM	P2709:00	Shift Solenoid "F" Electrical: No Sub Type Information	GO to Pinpoint Test A
PCM	P2710:00	Shift Solenoid "F" Intermittent: No Sub Type Information	GO to Pinpoint Test A
PCM	P2745:00	Intermediate Shaft Speed Sensor "B" Circuit: No Sub Type Information	GO to Pinpoint Test D
PCM	P2746:00	Intermediate Shaft Speed Sensor "B" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test H
PCM	P2747:00	Intermediate Shaft Speed Sensor "B" Circuit No Signal: No Sub Type Information	GO to Pinpoint Test D
PCM	P2748:00	Intermediate Shaft Speed Sensor "B" Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test D
PCM	P2758:00	Torque Converter Clutch Pressure Control Solenoid Stuck On: No Sub Type Available	GO to Pinpoint Test Y
PCM	P2769:00	TCC Circuit Low: No Sub Type Information	GO to Pinpoint Test G
PCM	P2770:00	TCC Circuit High: No Sub Type Information	GO to Pinpoint Test G
PCM	P2783:00	Torque Converter Temperature Too High: No Sub Type Information	GO to Pinpoint Test AG
PCM	P2796:00	Electric Transmission Fluid Pump Control Circuit: No Sub Type Information	GO to Pinpoint Test E
PCM	P27B2:00	Internal Control Module Transmission Range Control Performance: No Sub Type Information	GO to Pinpoint Test AJ
PCM	P27B3:00	Internal Control Module Transmission Gear Select Performance: No Sub Type Information	GO to Pinpoint Test AJ
PCM	P27B4:00	Internal Control Module Gear Direction Control Performance: No Sub Type Information	GO to Pinpoint Test AJ
PCM	P27B5:00	Internal Control Module Transmission Gear Select Performance: No Sub Type Information	GO to Pinpoint Test AJ
PCM	P27B6:00	Internal Control Module Transmission Speed Sensor Performance: No Sub Type Information	GO to Pinpoint Test AJ
PCM	P2801:00	TR Sensor "B" Circuit Range/Performance: No Sub Type Information	GO to Pinpoint Test C
PCM	P2802:00	TR Sensor "B" Circuit Low: No Sub Type Information	GO to Pinpoint Test C
PCM	P2803:00	TR Sensor "B" Circuit High: No Sub Type Information	GO to Pinpoint Test C
PCM	P2804:00	TR Sensor "B" Circuit Intermittent: No Sub Type Information	GO to Pinpoint Test C
PCM	P2805:00	TR Sensor "A"/"B" Correlation: No Sub Type Information	GO to Pinpoint Test C
PCM	P2888:00	Park Lock/Pawl Actuator Circuit Open: No Sub Type Information	GO to Pinpoint Test I

Module	DTC	Description	Action <i>New: hover over Pinpoint Test links to show title</i>
PCM	P2889:00	Park Lock/Pawl Actuator Circuit Low: No Sub Type Information	GO to Pinpoint Test I
PCM	P288A:00	Park Lock/Pawl Actuator Circuit High: No Sub Type Information	GO to Pinpoint Test I
PCM	P288B:00	Park Lock/Pawl Actuator Circuit Performance: No Sub Type Information	GO to Pinpoint Test I

Pinpoint Tests

- ☐ [PINPOINT TEST A : TRANSMISSION CONTROL SOLENOIDS](#)
- ☐ [PINPOINT TEST B : TRANSMISSION FLUID TEMPERATURE \(TFT\) SENSOR](#)
- ☐ [PINPOINT TEST C : TRANSMISSION RANGE \(TR\) SENSOR](#)
- ☐ [PINPOINT TEST D : OSS \(OUTPUT SHAFT SPEED\) SENSOR, TSS \(TURBINE SHAFT SPEED\) SENSOR, ISSA SENSOR AND ISSB SENSOR](#)
- ☐ [PINPOINT TEST E : DTCS P0C28, P0C29, P0C2A, P0C2C, P0C2D, P0C2E, P2796](#)
- ☐ [PINPOINT TEST F : DTCS P0B0D, P0C27, P175A](#)
- ☐ [PINPOINT TEST G : TCC, LPC SOLENOIDS](#)
- ☐ [PINPOINT TEST H : OSS SENSOR, TSS SENSOR, ISSA SENSOR AND ISSB SENSOR PERFORMANCE DTC FAULTS](#)
- ☐ [PINPOINT TEST I : DTCS P07E4, P07E6, P2888, P2889, P288A, P288B](#)
- ☐ [PINPOINT TEST J : DTC P0218, P1783](#)
- ☐ [PINPOINT TEST K : DTC P0702, P0882, P0883](#)
- ☐ [PINPOINT TEST L : DTC P0731](#)
- ☐ [PINPOINT TEST M : DTC P0732](#)
- ☐ [PINPOINT TEST N : DTC P0733](#)
- ☐ [PINPOINT TEST O : DTC P0734](#)
- ☐ [PINPOINT TEST P : DTC P0735](#)
- ☐ [PINPOINT TEST Q : DTC P0729](#)

☐ [PINPOINT TEST R : DTC P0736](#)

☐ [PINPOINT TEST S : DTC P0741](#)

☐ [PINPOINT TEST T : DTC P076F](#)

☐ [PINPOINT TEST U : DTC P07D9](#)

☐ [PINPOINT TEST V : DTC P07F6](#)

☐ [PINPOINT TEST W : DTC P07F7](#)

☐ [PINPOINT TEST X : DTC P0751, P0756, P0761, P0766, P0771, P2707](#)

☐ [PINPOINT TEST Y : DTC P0752, P0757, P0762, P0767, P0772, P2708, P2758](#)

☐ [PINPOINT TEST Z : DTC P0868](#)

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

☐ [PINPOINT TEST AB : DTC P1636](#)

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

☐ [PINPOINT TEST AD : DTC P1744](#)

☐ [PINPOINT TEST AE : DTC P1A02](#)

☐ [PINPOINT TEST AF : DTC P26C3](#)

☐ [PINPOINT TEST AG : DTC P2783](#)

☐ [PINPOINT TEST AH : DTC P1001](#)

☐ [PINPOINT TEST AI : DTC P1397](#)

☐ [PINPOINT TEST AJ : DTC P27B2, P27B3, P27B4, P27B5, P27B6](#)

Diagnosis By Symptom

Symptom Chart: Automatic Transmission

Diagnostics in this manual assume a certain skill level and knowledge of Ford-specific diagnostic practices. REFER to: Diagnostic Methods (100-00 General Information, Description and Operation).

In most circumstances the PCM/ TCM sets a DTC to help guide with diagnostics. Refer to the DTC Chart before using the Symptom Chart. The Condition column lists the vehicle condition. The Action column refers to a pinpoint test. Each pinpoint test lists the possible symptoms and the components that can cause each symptom. The components are listed in order of disassembly.

Symptom Chart

Condition	Action
No Engagement - Forward	GO to Pinpoint Test A
No Engagement - Reverse	GO to Pinpoint Test B
No Engagement - Both Forward and Reverse	GO to Pinpoint Test C
Engagement Quality - Forward	GO to Pinpoint Test D
Engagement Quality - Reverse	GO to Pinpoint Test E
Engagement Quality - Both Forward and Reverse	GO to Pinpoint Test F
Engagement Quality - Park	GO to Pinpoint Test G
Upshift Quality - Single Gear Affected	GO to Pinpoint Test H
Downshift Quality - Single Gear Affected	GO to Pinpoint Test I
Upshift Quality - Multiple Gears Affected	GO to Pinpoint Test J
Downshift Quality - Multiple Gears Affected	GO to Pinpoint Test J
Torque Converter Clutch Operation	GO to Pinpoint Test K
Transmission Fluid Contaminated, Leaking, Overheating	GO to Pinpoint Test L
Noise, Vibration, Harshness	GO to Pinpoint Test M
Other Concerns	GO to Pinpoint Test N

Pinpoint Tests

☐ [PINPOINT TEST A : NO ENGAGEMENT - FORWARD](#)

☐ [PINPOINT TEST B : NO ENGAGEMENT - REVERSE](#)

☐ [PINPOINT TEST C : NO ENGAGEMENT - BOTH FORWARD AND REVERSE](#)

☐ [PINPOINT TEST D : ENGAGEMENT QUALITY - FORWARD](#)

☐ [PINPOINT TEST E : ENGAGEMENT QUALITY - REVERSE](#)

☐ PINPOINT TEST F : ENGAGEMENT QUALITY - BOTH FORWARD AND REVERSE

☐ PINPOINT TEST G : ENGAGEMENT QUALITY - PARK

☐ PINPOINT TEST H : UPSHIFT QUALITY - SINGLE GEAR AFFECTED

☐ PINPOINT TEST I : DOWNSHIFT QUALITY - SINGLE GEAR AFFECTED

☐ PINPOINT TEST J : SHIFT QUALITY - MULTIPLE GEARS AFFECTED

☐ PINPOINT TEST K : TORQUE CONVERTER CLUTCH OPERATION

☐ PINPOINT TEST L : TRANSMISSION FLUID CONTAMINATED, LEAKING, OVERHEATING

☐ PINPOINT TEST M : NOISE, VIBRATION, HARSHNESS

☐ PINPOINT TEST N : OTHER CONCERNS

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