

419-01B Passive Anti-Theft System (PATS)
Diagnosis and Testing

2019 Ranger
Procedure revision date: 11/9/2018

Passive Anti-Theft System (PATS)

DTC Chart: BCM

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).

<u>DTC</u>	Description	Action
B10D5:13	PATS Antenna: Circuit Open	GO to Pinpoint Test K
B10D7:05	PATS Key: System Programming Failure	GO to Pinpoint Test B
B10D7:51	PATS Key: Not Programmed	GO to Pinpoint Test H
B10D7:55	PATS Key: Not Configured	GO to Pinpoint Test G
B10D7:87	PATS Key: Missing Message	GO to Pinpoint Test C
B10D7:8F	PATS Key: Erratic	GO to Pinpoint Test D
B10D8:00	PATS Key Less Than Minimum Programmed: No Sub Type Information	GO to Pinpoint Test I
B10D9:87	PATS Transponder: Missing Message	GO to Pinpoint Test E
B10DA:51	PATS Target Identifier: Not Programmed	GO to Pinpoint Test J
C113A:11	Wakeup Control: Circuit Short To Ground	GO to Pinpoint Test F
C113A:15	Wakeup Control: Circuit Short To Battery or Open	GO to Pinpoint Test F
All other Diagnostic Trouble Codes (DTCs)	-	REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Diagnosis and Testing).

DTC Chart: PCM

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).

--	--	--

DTC	Description	Action
P161A:00	Incorrect Response from Immobilizer Control Module: No Sub Type Information	GO to Pinpoint Test L
All other Diagnostic Trouble Codes (DTCs)	-	REFER to the <u>PCM DTC</u> Chart in the appropriate 303-14 section.

Symptom Chart

Symptom Chart: PATS

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).

Condition	Possible Sources	Actions
The vehicle does not start	Refer to the Pinpoint Test	GO to Pinpoint Test A
Unable to program keys using two programmed keys	Refer to the Pinpoint Test	GO to Pinpoint Test B
Unable to program keys using a diagnostic scan tool	Refer to the Pinpoint Test	GO to Pinpoint Test C

Pinpoint Tests

- ▶ [PINPOINT TEST A : THE VEHICLE DOES NOT START](#)
- ▶ [PINPOINT TEST B : B10D7:05](#)
- ▶ [PINPOINT TEST C : B10D7:87](#)
- ▶ [PINPOINT TEST D : B10D7:8F](#)
- ▶ [PINPOINT TEST E : B10D9:87](#)
- ▶ [PINPOINT TEST F : C113A:11 OR C113A:15](#)
- ▶ [PINPOINT TEST G : DTC \(DIAGNOSTIC TROUBLE CODE\) B10D7:55](#)
- ▶ [PINPOINT TEST H : DTC \(DIAGNOSTIC TROUBLE CODE\) B10D7:51](#)
- ▶ [PINPOINT TEST I : DTC \(DIAGNOSTIC TROUBLE CODE\) B10D8:00](#)

- ▶ [PINPOINT TEST J : DTC \(DIAGNOSTIC TROUBLE CODE\) B10DA:51](#)
- ▶ [PINPOINT TEST K : DTC \(DIAGNOSTIC TROUBLE CODE\) B10D5:13](#)
- ▶ [PINPOINT TEST L : DTC \(DIAGNOSTIC TROUBLE CODE\) P161A:00](#)

Copyright © 2019 Ford Motor Company
