

419-01A Perimeter Anti-Theft Alarm
Diagnosis and Testing

2019 Ranger
 Procedure revision date: 09/25/2018

Perimeter Anti-Theft Alarm

DTC Chart

BCM DTC Chart

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
B1305:01	Hood Switch: General Electrical Failure	GO to Pinpoint Test E
All other Diagnostic Trouble Codes (DTCs)	-	REFER to: Body Control Module (BCM) (419-10 Multifunction Electronic Modules, Diagnosis and Testing).

Symptom Chart

Symptom Chart: Anti-Theft - Perimeter

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 alarm system does not activate from an unauthorized entry at the hood	<ul style="list-style-type: none"> Refer to the Pinpoint Test 	GO to Pinpoint Test A
The alarm system does not activate from an unauthorized entry at a door	<ul style="list-style-type: none"> Door ajar input 	DIAGNOSE the courtesy lamps not illuminating when a door is open. REFER to: Interior Lighting (417-02 Interior Lighting, Diagnosis and Testing).
The alarm system does not arm or no turn signals flash confirmation	<ul style="list-style-type: none"> Refer to the Pinpoint Test 	GO to Pinpoint Test B
No anti-theft alarm horn output during	<ul style="list-style-type: none"> Refer to the Pinpoint Test 	GO to Pinpoint Test C

alarm activation		
The anti-theft alarm horn sounds continuously	<ul style="list-style-type: none"> Refer to the Pinpoint Test 	GO to Pinpoint Test D
False alarm activation	<ul style="list-style-type: none"> Door ajar input Hood switch input Panic button pressed on a <u>RKE</u> transmitter A valid <u>PATS</u> key read was NOT received when the ignition transitioned to RUN 	<ul style="list-style-type: none"> An intermittent fault exists. MONITOR the <u>BCM</u> alarm event Parameter Identifications (PIDs) to identify and isolate the cause of the last alarm activation. <ul style="list-style-type: none"> Most Recent Alarm Trigger Event (ALARM_EVT_1) 2nd Most Recent Alarm Trigger Event (ALARM_EVT_2) 3rd Most Recent Alarm Trigger Event (ALARM_EVT_3) 4th Most Recent Alarm Trigger Event (ALARM_EVT_4)

Pinpoint Tests

► [PINPOINT TEST A : THE ALARM SYSTEM DOES NOT ACTIVATE FROM AN UNAUTHORIZED ENTRY AT THE HOOD](#)

► [PINPOINT TEST B : THE ALARM SYSTEM DOES NOT ARM OR NO TURN SIGNALS FLASH CONFIRMATION](#)

► [PINPOINT TEST C : NO ANTI-THEFT ALARM HORN OUTPUT DURING ALARM ACTIVATION](#)

► [PINPOINT TEST D : THE ANTI-THEFT ALARM HORN SOUNDS CONTINUOUSLY](#)

► [PINPOINT TEST E : B1305:01](#)

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