

Parking Aid

Diagnostic Trouble Code (DTC) Chart: Parking Aid Module

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).

PAM Diagnostic Trouble Code Chart

DTC	Description	Action
B1303:11	Park Assist Switch: Circuit Short To Ground	GO to Pinpoint Test M
B1B36:12	Right Front Outer Sensor: Circuit Short To Battery	GO to Pinpoint Test H
B1B36:14	Right Front Outer Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test H
B1B36:96	Right Front Outer Sensor: Component Internal Failure	GO to Pinpoint Test H
B1B38:12	Right Front Inner Sensor: Circuit Short To Battery	GO to Pinpoint Test I
B1B38:14	Right Front Inner Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test I
B1B38:96	Right Front Inner Sensor: Component Internal Failure	GO to Pinpoint Test I
B1B40:12	Left Front Outer Sensor: Circuit Short To Battery	GO to Pinpoint Test J
B1B40:14	Left Front Outer Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test J
B1B40:96	Left Front Outer Sensor: Component Internal Failure	GO to Pinpoint Test J
B1B42:12	Left Front Inner Sensor: Circuit Short To Battery	GO to Pinpoint Test K
B1B42:14	Left Front Inner Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test K
B1B42:96	Left Front Inner Sensor: Component Internal Failure	GO to Pinpoint Test K
B1B44:12	Right Rear Outer Sensor: Circuit Short To Battery	GO to Pinpoint Test D
B1B44:14	Right Rear Outer Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test D
B1B44:96	Right Rear Outer Sensor: Component Internal Failure	GO to Pinpoint Test D

DTC	Description	Action
B1B46:12	Right Rear Inner Sensor: Circuit Short To Battery	GO to Pinpoint Test E
B1B46:14	Right Rear Inner Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test E
B1B46:96	Right Rear Inner Sensor: Component Internal Failure	GO to Pinpoint Test E
B1B48:12	Left Rear Outer Sensor: Circuit Short To Battery	GO to Pinpoint Test F
B1B48:14	Left Rear Outer Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test F
B1B48:96	Left Rear Outer Sensor: Component Internal Failure	GO to Pinpoint Test F
B1B50:12	Left Rear Inner Sensor: Circuit Short To Battery	GO to Pinpoint Test G
B1B50:14	Left Rear Inner Sensor: Circuit Short To Ground Or Open	GO to Pinpoint Test G
B1B50:96	Left Rear Inner Sensor: Component Internal Failure	GO to Pinpoint Test G
B1B54:11	Function LED - Park Aid: Circuit Short To Ground	GO to Pinpoint Test L
B1B54:15	Function LED - Park Aid: Circuit Short To Battery or Open	GO to Pinpoint Test L
B1B57:11	Front Sensors Power Circuit: Circuit Short To Ground	GO to Pinpoint Test B
B1B58:11	Rear Sensors Power Circuit: Circuit Short To Ground	GO to Pinpoint Test C
U0100:00	Lost Communication With ECM/PCM "A": No Sub Type Information	GO to Pinpoint Test N
U0101:00	Lost Communication With TCM: No Sub Type Information	GO to Pinpoint Test O
U0121:00	Lost Communication With Lost Communication With Anti-Lock Brake System (ABS) Control Module: No Sub Type Information	GO to Pinpoint Test P
U0131:00	Lost Communication With Lost Communication With Lost Communication With Power Steering Control Module: No Sub Type Information	GO to Pinpoint Test Q
U0140:00	Lost Communication With Body Control Module: No Sub Type Information	GO to Pinpoint Test R
U0146:00	Lost Communication With Gateway "A": No Sub Type Information	GO to Pinpoint Test S
U0155:00	Lost Communication With Instrument Panel Cluster (IPC) Control Module: No Sub Type Information	GO to Pinpoint Test T
U0212:00	Lost Communication With Steering Column Control Module: No Sub Type Information	GO to Pinpoint Test U
U0253:00	Lost Communication With Accessory Protocol Interface Module: No Sub Type Information	GO to Pinpoint Test V
U0256:00	Lost Communication With Front Controls Interface Module "A": No Sub Type Information	GO to Pinpoint Test W

DTC	Description	Action
U0257:00	Lost Communication With Front Controls / Display Interface Module: No Sub Type Information	GO to Pinpoint Test X
U0401:00	Invalid Data Received From ECM/PCM "A": No Sub Type Information	GO to Pinpoint Test Y
U0402:00	Invalid Data Received From TCM: No Sub Type Information	GO to Pinpoint Test Y
U0415:00	Invalid Data Received From Anti-Lock Brake System (ABS) Control Module: No Sub Type Information	GO to Pinpoint Test Y
U0420:00	Invalid Data Received From Power Steering Control Module: No Sub Type Information	GO to Pinpoint Test Y
U0422:00	Invalid Data Received From Body Control Module: No Sub Type Information	GO to Pinpoint Test Y
U0423:00	Invalid Data received From Instrument Panel Cluster (IPC) Control Module: No Sub Type Information	GO to Pinpoint Test Y
U0429:00	Invalid Data Received From Steering Column Control Module: No Sub Type Information	GO to Pinpoint Test Y
U0554:00	Invalid Data Received From Accessory Protocol Interface Module: No Sub Type Information	GO to Pinpoint Test Y
U0557:00	Invalid Data Received From With Front Controls Interface Module "A": No Sub Type Information	GO to Pinpoint Test Y
U0558:00	Invalid Data Received From Front Controls / Display Interface Module: No Sub Type Information	GO to Pinpoint Test Y
U2024:41	Control Module Cal-Config Data: General Checksum Failure	GO to Pinpoint Test Z
U2100:00	Initial Configuration Not Complete: No Sub Type Information	GO to Pinpoint Test Z
U2101:00	Control Module Configuration Incompatible: No Sub Type Information	GO to Pinpoint Test Z
U3000:44	Control Module: Data Memory Failure	GO to Pinpoint Test AA
U3000:45	Control Module: Program Memory Failure	GO to Pinpoint Test AA
U3000:46	Control Module: Calibration: Parameter Memory Failure	GO to Pinpoint Test AA
U3000:49	Control Module: Internal Electronic Failure	GO to Pinpoint Test AA

Symptom Chart(s)

Symptom Chart: Parking Aid

Condition	Possible Sources	Action
A module does not communicate with the diagnostic scan tool	<ul style="list-style-type: none"> Fuse Wiring, terminals or connectors 	REFER to: Communications Network

Condition	Possible Sources	Action
The audible parking aid is inoperative	<ul style="list-style-type: none"> PAM 	(418-00 Module Communications Network, Diagnosis and Testing). GO to Pinpoint Test A
Continuous or intermittent tone when no obstacles or fault codes are present	<ul style="list-style-type: none"> Refer to the Pinpoint Test Dirty or iced over parking aid sensor(s) Ice between parking aid sensor(s) and bezel(s) Parking aid sensor(s) locked into the bumper incorrectly Parking aid sensors are not aligned correctly Parking aid sensor(s) isolator ring missing, damaged or misaligned 	<ul style="list-style-type: none"> CLEAN the rear bumper and sensors with high-pressure water. ALLOW time for the ice between the parking aid sensor(s) and bezel(s) to melt. INSTALL the parking aid sensor(s) into the parking aid sensor bezel(s) correctly. For the rear sensors, REFER to: Rear Parking Aid Sensor (413-13A Parking Aid, Removal and Installation). For the front sensors, REFER to: Front Parking Aid Sensor (413-13A Parking Aid, Removal and Installation). CARRY OUT the elevation system check. REFER to: Elevation System Check (413-13A Parking Aid, General Procedures). INSTALL a new parking aid sensor. For the rear sensors, REFER to: Rear Parking Aid Sensor (413-13A Parking Aid, Removal and Installation). For the front sensors, REFER to: Front Parking Aid Sensor (413-13A Parking Aid, Removal and Installation).
The parking aid audio tones are inoperative	<ul style="list-style-type: none"> Refer to the Pinpoint Test 	GO to Pinpoint Test A
The Parking Aid Switch Status LED Is Inoperative Or Always On	<ul style="list-style-type: none"> Refer to the Pinpoint Test 	GO to Pinpoint Test L
The parking aid disable switch is inoperative or does not operate correctly	<ul style="list-style-type: none"> Refer to the Pinpoint Test 	GO to Pinpoint Test M
The parking aid menu is not available in the message center and cannot be deactivated	<ul style="list-style-type: none"> A MyKey® restricted key is in use 	The parking aid disable feature is not available when a MyKey® restricted key is in use. This is normal operation.

Pinpoint Tests

► [PINPOINT TEST A : THE AUDIBLE PARKING AID IS INOPERATIVE](#)

- ▶ [PINPOINT TEST B : B1B57:11](#)
- ▶ [PINPOINT TEST C : B1B58:11](#)
- ▶ [PINPOINT TEST D : B1B44:12, B1B44:14, B1B44:96](#)
- ▶ [PINPOINT TEST E : B1B46:12, B1B46:14, B1B46:96](#)
- ▶ [PINPOINT TEST F : B1B48:12, B1B48:14, B1B48:96](#)
- ▶ [PINPOINT TEST G : B1B50:12, B1B50:14, B1B50:96](#)
- ▶ [PINPOINT TEST H : B1B36:12, B1B36:14, B1B36:96](#)
- ▶ [PINPOINT TEST I : B1B38:12, B1B38:14, B1B38:96](#)
- ▶ [PINPOINT TEST J : , B1B40:12, B1B40:14, B1B40:96](#)
- ▶ [PINPOINT TEST K : , B1B42:12, B1B42:14, B1B42:96](#)
- ▶ [PINPOINT TEST L : THE PARKING AID SWITCH STATUS LED \(LIGHT EMITTING DIODE\) IS INOPERATIVE OR ALWAYS ON](#)
- ▶ [PINPOINT TEST M : THE PARKING AID DISABLE SWITCH IS INOPERATIVE OR DOES NOT OPERATE CORRECTLY](#)
- ▶ [PINPOINT TEST N : U0100:00](#)
- ▶ [PINPOINT TEST O : U0101:00](#)
- ▶ [PINPOINT TEST P : U0121:00](#)
- ▶ [PINPOINT TEST Q : U0131:00](#)
- ▶ [PINPOINT TEST R : U0140:00](#)
- ▶ [PINPOINT TEST S : U0146:00](#)

- ▶ [PINPOINT TEST T : U0155:00](#)
- ▶ [PINPOINT TEST U : U0212:00](#)
- ▶ [PINPOINT TEST V : U0253:00](#)
- ▶ [PINPOINT TEST W : U0256:00](#)
- ▶ [PINPOINT TEST X : U0257:00](#)
- ▶ [PINPOINT TEST Y : U0401:00, U0402:00, U0415:00, U0420:00, U0422:00, U0423:00, U0429:00, U0554:00, U0557:00 AND U0558:00](#)
- ▶ [PINPOINT TEST Z : U2024:41, U2100:00 AND U2101:00](#)
- ▶ [PINPOINT TEST AA : U3000:44, U3000:45, U3000:46 AND U3000:49](#)