

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

<u>DTC</u>	<u>Description</u>	<u>Action</u>
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 Q
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
<p>The audible parking aid is inoperative</p> <p>Continuous or intermittent tone when no obstacles or fault codes are present</p>	<ul style="list-style-type: none"> • PAM • 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 	<p>(418-00 Module Communications Network, Diagnosis and Testing).</p> <p>GO to Pinpoint Test A</p> <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](#)