

Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

1992 FORD Bronco OEM Service and Repair Workshop Manual

[Go to manual page](#)

Locks, Latches and Entry Systems

501-14 Handles, Locks, Latches and Entry Systems	2022 F-150
Diagnosis and Testing	Procedure revision date: 12/8/2022

Locks, Latches and Entry Systems

Diagnostic Trouble Code (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).

Diagnostic Trouble Code Chart

Module	DTC (diagnostic trouble code)	Description	Action
BCM (body control module)	B10AB:00	Remote Keyless Entry Synchronization: No Sub Type Information	GO to Pinpoint Test O
BCM (body control module)	B10C7:01	Interior Trunk Antenna: General Electrical Failure	GO to Pinpoint Test T
BCM (body control module)	B1218:00	Transmitter Identification Code: No Sub Type Information	GO to Pinpoint Test O
BCM (body control module)	B1219:11	Interior Boot/Trunk Release Switch: Short to Ground	GO to Pinpoint Test M

BCM (body control module)	B1381:15	Left Front Door Handle Proximity Sensor: Circuit Short to Battery or Open	GO to Pinpoint Test S
BCM (body control module)	B1381:29	Left Front Door Handle Proximity Sensor: Signal Invalid	GO to Pinpoint Test S
BCM (body control module)	B1382:11	Right Front Door Handle Proximity Sensor: Circuit Short to Ground	GO to Pinpoint Test S
BCM (body control module)	B1382:15	Right Front Door Handle Proximity Sensor: Circuit Short to Battery or Open	GO to Pinpoint Test S
BCM (body control module)	B1382:29	Right Front Door Handle Proximity Sensor: Signal Invalid	GO to Pinpoint Test S
BCM (body control module)	B1383:11	Left Rear Door Handle Proximity Sensor: Circuit Short to Ground	GO to Pinpoint Test S
BCM (body control module)	B1383:15	Left Rear Door Handle Proximity Sensor: Circuit Short to Battery or Open	GO to Pinpoint Test S
BCM (body control module)	B1383:29	Left Rear Door Handle Proximity Sensor: Signal Invalid	GO to Pinpoint Test S
BCM (body control module)	B1384:11	Right Rear Door Handle Proximity Sensor: Circuit Short to Ground	GO to Pinpoint Test S
BCM (body control module)	B1384:15	Right Rear Door Handle Proximity Sensor: Circuit Short to Battery or Open	GO to Pinpoint Test S
BCM (body control module)	B1384:29	Right Rear Door Handle Proximity Sensor: Signal Invalid	GO to Pinpoint Test S

BCM (body control module)	U0258:87	Lost Communication With Radio Transceiver: Missing Message	GO to Pinpoint Test U
DDM (driver door module)	B108F:23	Cabin Lock/Unlock Switch: Signal Stuck Low	GO to Pinpoint Test K
DDM (driver door module)	U0140:00	Lost Communication With Body Control Module: No Sub-Type Information	GO to Pinpoint Test V
DDM (driver door module)	U0164:00	Lost Communication With HVAC Control Module: No Sub-Type Information	GO to Pinpoint Test AA
DDM (driver door module)	U0208:00	Lost Communication With "Seat Control Module A": No Sub-Type Information	GO to Pinpoint Test W
DDM (driver door module)	U0232:00	Lost Communication With Side Obstacle Detection Control Module A: No Sub-Type Information	GO to Pinpoint Test X
DDM (driver door module)	U0233:00	Lost Communication With Side Obstacle Detection Control Module - B: No Sub-Type Information	GO to Pinpoint Test Y
DDM (driver door module)	U0294:00	Lost Communication With Powertrain Control Monitor Module: No Sub-Type Information	GO to Pinpoint Test AB
DDM (driver door module)	U2100:00	Initial Configuration Not Complete: No Sub Type Information	GO to Pinpoint Test AC
DDM (driver door module)	U2200:00	Control Module Configuration Memory Corrupt: No Sub Type Information	GO to Pinpoint Test AG
DDM (driver door module)	U3000:49	Control Module: Internal Electronic Failure	GO to Pinpoint Test AG

PCM (powertrain control module)	P1595:00	Forced Engine Shutdown: Remote Start System Fault, Transmissiom Range Not In Park Position	GO to Pinpoint Test Z
PDM (passenger door module)	B108F:23	Cabin Lock/Unlock Switch: Signal Stuck Low	GO to Pinpoint Test K
PDM (passenger door module)	U0140:00	Lost Communication With Body Control Module: No Sub-Type Information	GO to Pinpoint Test V
PDM (passenger door module)	U0164:00	Lost Communication With HVAC Control Module: No Sub-Type Information	GO to Pinpoint Test AA
PDM (passenger door module)	U0208:00	Lost Communication With "Seat Control Module A": No Sub-Type Information	GO to Pinpoint Test W
PDM (passenger door module)	U0232:00	Lost Communication With Side Obstacle Detection Control Module A: No Sub-Type Information	GO to Pinpoint Test X
PDM (passenger door module)	U0233:00	Lost Communication With Side Obstacle Detection Control Module B: No Sub-Type Information	GO to Pinpoint Test Y
PDM (passenger door module)	U0294:00	Lost Communication With Powertrain Control Monitor Module: No Sub-Type Information	GO to Pinpoint Test AB
PDM (passenger door module)	U2100:00	Initial Configuration Not Complete: No Sub Type Information	GO to Pinpoint Test AC
PDM (passenger door module)	U2200:00	Control Module Configuration Memory Corrupt: No Sub Type Information	GO to Pinpoint Test AG
PDM (passenger door module)	U3000:49	Control Module: Internal Electronic Failure	GO to Pinpoint Test AG

Safe & Secure > Latches/Locks > Door > Loose/Attachment	GO to Pinpoint Test F
Safe & Secure > Latches/Locks > Door > Manual Function	GO to Pinpoint Test G
Safe & Secure > Latches/Locks > Door > Manual Function	GO to Pinpoint Test H
Safe & Secure > Latches/Locks > Door > Power Function	GO to Pinpoint Test I
Safe & Secure > Latches/Locks > Door > Power Function	GO to Pinpoint Test K
Safe & Secure > Latches/Locks > Door > Power Function	GO to Pinpoint Test L
Safe & Secure > Latches/Locks > Door > Power Function	GO to Pinpoint Test N
Safe & Secure > Latches/Locks > Door > Sticks/Binds	GO to Pinpoint Test D
Safe & Secure > Latches/Locks > Door > Sticks/Binds	GO to Pinpoint Test E
Safe & Secure > Latches/Locks > Tailgate > Difficult to Open	GO to Pinpoint Test M
Safe & Secure > Latches/Locks > Tailgate > Manual Function	GO to Pinpoint Test AD
Safe & Secure > Latches/Locks > Fuel Door > Difficult to Close	GO to Pinpoint Test AI
Safe & Secure > Latches/Locks > Fuel Door > Difficult to Open	GO to Pinpoint Test AH
Safe & Secure > Remote Entry > Control > Inoperative	GO to Pinpoint Test O
Safe & Secure > Remote Entry > Control > Inoperative	GO to Pinpoint Test P
Safe & Secure > Remote Entry > Control > Inoperative	GO to Pinpoint Test

The manual door lock cylinder is inoperative	<ul style="list-style-type: none"> • GO to Pinpoint Test G
The ignition lock cylinder cannot be returned to the OFF position	<ul style="list-style-type: none"> • REFER to: Steering Wheel and Column Electrical Components(211-05 Steering Wheel and Column Electrical Components, Diagnosis and Testing).
The ignition lock cylinder is difficult to turn	<ul style="list-style-type: none"> • GO to Pinpoint Test H
The key is hard to insert into the ignition lock cylinder	<ul style="list-style-type: none"> • GO to Pinpoint Test H

Symptom Chart: Handles, Locks, Latches and Entry Systems - Electrical

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	Actions
All door locks are inoperative (with One-Touch Open and Close Front Windows)	<ul style="list-style-type: none"> • GO to Pinpoint Test I
All door locks are inoperative (without One-Touch Open and Close Front Windows)	<ul style="list-style-type: none"> • GO to Pinpoint Test AM
A single or more than one door lock is inoperative	<ul style="list-style-type: none"> • GO to Pinpoint Test J
The door locks operate only one way (with One-Touch Open and Close Front Windows)	<ul style="list-style-type: none"> • GO to Pinpoint Test K
The door locks operate only one way (without One-Touch Open and Close Front Windows)	<ul style="list-style-type: none"> • GO to Pinpoint Test AM
All door locks are inoperative from one door lock control switch (with One-Touch Open and Close Front Windows)	<ul style="list-style-type: none"> • GO to Pinpoint Test L

The tailgate passive entry feature is inoperative	<ul style="list-style-type: none"> • GO to Pinpoint Test T
The fuel filler door release is inoperative (hybrid vehicle)	<ul style="list-style-type: none"> • GO to Pinpoint Test AH
The fuel filler door does not latch (hybrid vehicle)	<ul style="list-style-type: none"> • GO to Pinpoint Test AI

Pinpoint Tests

PINPOINT TEST A : HARD TO OPEN OR CLOSE A DOOR FROM EITHER DOOR HANDLE

Normal Operation and Fault Conditions

The door latch can be actuated from the interior or exterior door handle. When actuated, the door latch releases and allows the door to open. If the door latch or the door hinges have insufficient lubrication or if the striker or door are misaligned, it causes extra force to be used when opening or closing the door.

Possible Sources

- Door alignment
- Door hinges
- Door latch

A1 CHECK THE LATCH OPERATION FROM BOTH DOOR HANDLES

NOTE

Make sure the child safety lock is in the unlock position for the rear doors.

- Open the door using both the interior and exterior door handles.

Does the door open normally from one of the door handles?

Yes	If the door is difficult/does not open from the exterior door handle, GO to Pinpoint Test B If the door is difficult/does not open from the interior door handle, GO to Pinpoint Test C
------------	---

No	GO to A2
-----------	--------------------------

A2 CHECK THE LATCH OPERATION

- Open the door.
- Using a screwdriver, fully close the latch (2 clicks).

No	<p>ADJUST the door as necessary.</p> <p>REFER to: Front Door Alignment - Regular Cab/SuperCrew (501-03 Body Closures, General Procedures).</p> <p>REFER to: Front Door Alignment - SuperCab (501-03 Body Closures, General Procedures).</p> <p>REFER to: Rear Door Alignment - SuperCab (501-03 Body Closures, General Procedures).</p> <p>REFER to: Rear Door Alignment - SuperCrew (501-03 Body Closures, General Procedures).</p>
-----------	--

PINPOINT TEST B : A DOOR IS DIFFICULT OR DOES NOT OPEN FROM THE EXTERIOR DOOR HANDLE

Normal Operation and Fault Conditions

The exterior door handle reinforcement is connected to the door latch with an actuating cable. When the exterior door handle is pulled, the actuating cable pulls on the latch lever. When the latch lever moves, the door latch releases, allowing the door to open.

Possible Sources

- Engaged inertia lock
- Broken or binding linkage
- Exterior door handle reinforcement
- Door latch

B1 CHECK THE LATCH OPERATION FROM BOTH DOOR HANDLES

- Open and close the door using both the interior and exterior door handles.

Does the door open normally from one of the door handles?

Yes	If the door is difficult/does not open from only the exterior door handle, GO to B2 If the door is difficult/does not open from only the interior door handle, GO to Pinpoint Test C
------------	--

No	GO to Pinpoint Test A
-----------	---------------------------------------

B2 CHECK THE EXTERIOR DOOR HANDLE INERTIA LOCK STATUS

- Check if the door reinforcement inertia lock has been engaged. GPI inertia

Does the exterior door handle operate correctly?

PINPOINT TEST C : A DOOR IS DIFFICULT OR DOES NOT OPEN FROM THE INTERIOR DOOR HANDLE

Normal Operation and Fault Conditions

The interior door handle is connected to the door latch by an actuating cable. When the interior door handle is pulled, the cable pulls on the latch lever. When the latch lever moves, the door latch releases, allowing the door to open.

Possible Sources

- Broken or binding cable/linkage
- Door latch

Visual Inspection and Pre-checks

- For the rear doors, make sure the child safety lock is in the unlock position.

C1 CHECK THE LATCH OPERATION FROM BOTH DOOR HANDLES

NOTE

Make sure the child safety lock is in the unlock position for the rear doors.

- Open the door using both the interior and exterior door handles.

Does the door open normally from one of the door handles?

Yes	If the door is difficult/does not open from only the interior door handle, GO to C2 If the door is difficult/does not open from only the exterior door handle, GO to Pinpoint Test B
No	GO to Pinpoint Test A

C2 CHECK THE INTERIOR DOOR HANDLE AND CABLE/LINKAGE OPERATION

- Remove the door trim panel.
- Install the interior door handle back onto the release cable.
- Operate the interior door handle while observing the cable/linkage.

Are any of the interior door handle components or cable/linkages binding or broken?

Yes	REPAIR as necessary.
------------	----------------------