

# TPMS Diagnostic Information

2021 Ford Bronco



Under the TREAD (Transportation Recall Enhancement, Accountability, and Documentation) Act, all vehicles manufactured in North America after 2007 must be equipped with either an indirect or direct TPMS system.

- Indirect TPMS System: No TPMS sensors are installed in the wheel.
- Direct TPMS System: TPMS sensors are installed in all four wheels and spare tire (if applicable).

The 2021 Ford Bronco uses a direct TPMS system. If one or more tires indicate low tire pressure, the TPMS sensors will transfer the information to the vehicle's ECU and the driver will be notified. An indicator light (low-line TPMS system) or each tire pressure (high-line TPMS system) will show on the dash.



Low-line TPMS system



High-line TPMS system

When one or more sensors are replaced in a Ford Bronco, a TPMS relearn is recommended to write the IDs to the vehicle's ECU to turn the TPMS light off.



## Type of Relearn procedures:

- Manual Relearn (standard ignition and push-button start)
- Bonus OBD relearn procedure coverage as an option on the VT56, VT57 and VT67.  
Requires OBD module

## Type of TPMS tool required for TPMS reset:

- TPMS Diagnostic tool ([VT56](#)), step-by-step relearn procedures are written in the tool.
- TPMS activation tool ([VT56](#), [VT55](#), [VT15](#), [VT31](#), and [VT36](#)) for a manual relearn, step by step relearn procedures are written in the tool for the VT56, VT55 or VT46 brands and are available to complete a TPMS reset in the owners manual for the VT36, VT31 or VT15 tools.

## Manual relearn procedure (push-button start):

- *Important note, some models require the start button to be pressed twice (without pressing the brake) to enter RUN mode (Ignition ON/Engine OFF). If this is the case, modify steps 3 and 5 as noted.*
- Engage the parking brake and inflate all tires
- With the vehicle OFF, push and release the brake pedal
- Push START button 5 times (NOTE: 8 times if 2x-to-RUN)
- Press and release the brake pedal
- Push START button 6 times (NOTE: 9 times if 2x-to-RUN)
- A single horn chirp will indicate the relearn mode is active
- Use the tool to activate the left front sensor
- A single horn sounds to indicate sensor learning successful
- Repeat for right front, right rear and left rear tires
- TRAINING MODE COMPLETE will display on the message center when relearn is finished

<https://www.youtube.com/watch?v=ApH0H3D7Y5c&t=3s>

*The video shows a 2019 Ford Edge, but the same procedure will work on the 2021 Ford Bronco*

## OBD relearn procedure:

- OBDII module is required, attach to the tool
- Confirm TPMS sensors are properly installed
- Adjust tire pressure to placard value
- Hold TPMS tester on left front tire sidewall next to the valve stem, use TPMS tool to activate the sensor
- Repeat for the right front, right rear and left rear sensors
- Apply OBD module to DLC



- Turn ignition to ON
- Press OK on TPMS tool to transfer data to ECU
- Disconnect OBD module from DLC
- Turn ignition OFF then start the engine
- Drive for at least 5 minutes at 28 mph

<https://youtu.be/Aj6J7O8-hJk>

## Troubleshooting tips

- Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label. (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label, you should determine the proper tire inflation pressure for those tires).
- When the outside temperature drops significantly, the tire pressure could decrease and activate the low tire pressure warning lamp.