

**Meta:** You mainly see the Ford Explorer Tire Pressure Sensor Fault message when your tire has low Air, or the TPMS sensor has a low battery or memory error.

## **Ford Explorer Tire Pressure Sensor Fault? Use These Fixes**

The Ford Explorer has been my trusted companion on countless journeys. It has never failed me on rough terrains, slippery highways, or hard snowfall. However, while starting another adventure on a sunny afternoon, I got a message on my dashboard: “Tire Pressure Sensor Fault.”

It was a completely fresh experience for me. However, the problem isn't hard to solve. You mainly see Tire Pressure Sensor Fault message in Ford Explorer when your TPMS becomes defective or worn out or the replaced tire won't sync properly with the car. And to fix it, you need to reset or relearn the component yourself or with the help of an expert.

Read out this article to know more!

### **How does a TPMS work on Ford Explorer? [Source](#)**

A TPMS, aka tire pressure monitoring system, monitors how much pressure your tire has. It's one of those invisible sensors which you don't even notice when it works correctly.

The sensor is usually located in [the valve stem inside each tire](#) and sends air pressure data (PSI) to your Ford's computer using the electronic signal.

All TPMS sensors in Ford Explorer have an [air pressure range limit](#). When the air pressure gets too low or high, the TPMS sends a warning to your dashboard.

So you should [ensure proper tire pressure](#) in your Ford Explorer.

## **What does Ford Explorer Tire Pressure Sensor Fault mean? [Source](#)**

When you see the Tire Pressure Sensor Fault error message, there might be an issue with one or more tire pressure sensors in your Ford Explorer. These sensors usually monitor each tire's air pressure and provide real-time information to your car's computer. And when the computer detects any irregularities in tire pressure, it shows the Tire Pressure Sensor Fault warning on your dashboard.

You may see this warning message when you have high or low tire pressure, a malfunctioning sensor, or other technical reasons. When this warning appears, you must check your tire pressures manually using a tire pressure gauge and adjust them to the recommended levels.

If the problem still remains, I recommend you check the TPMS system with a professional mechanic or at a Ford service center to ensure safe and accurate tire pressure monitoring.

Read the following section to learn about the possible cause and their fixes.

## **What Causes the Tire Pressure Sensor Fault? How to fix it? [Source](#)**

During my research, I've found out the "Tire Pressure Sensor Fault" usually appears for 5 reasons. And the fixes also vary depending on the reasons.

For example, when you have a memory error on the TPMS sensor, you need to [reset TPMS](#) using the scanner. No other method will work.

So to solve Tire Pressure Sensor Fault, you first need to learn the cause and apply the solutions accordingly.

Here are the causes with their possible solution for Tire Pressure Sensor errors:

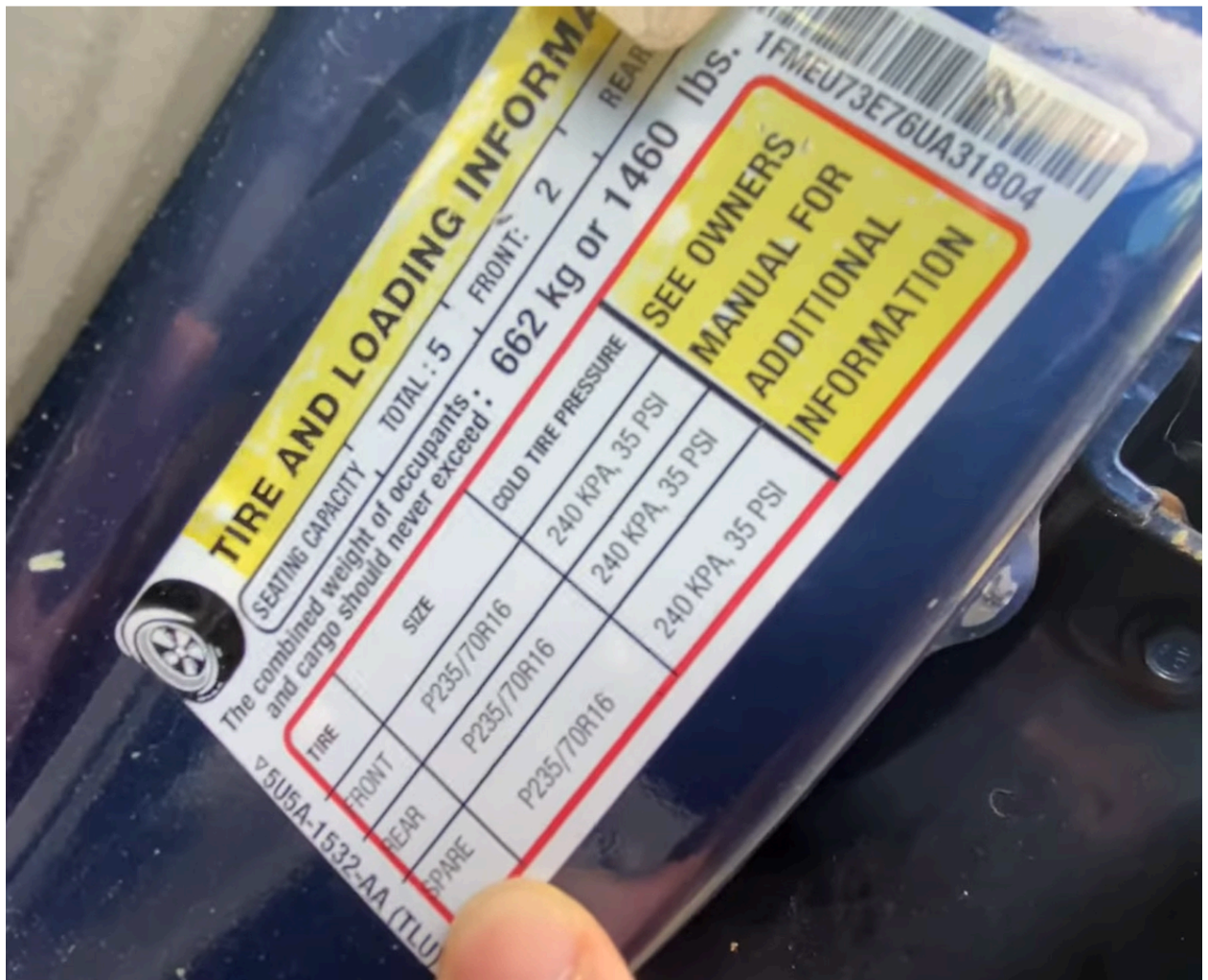
## Cause 1: Low Tire Pressure

The first reason for a Tire Pressure Sensor error message is not having enough pressure in the tire. Also, having high air pressure above the recommended threshold can cause the same thing.

You will find the recommended tire pressure level on your Ford Explorer's body behind the driver's door.

## Possible Solution

- Scan the tire PSI with [a TP gauge](#).
- Compare the PSI with the written one located behind the driver's door.



Source:

[https://www.youtube.com/watch?v=ITn6UqjJlxw&ab\\_channel=HomeownerRepair](https://www.youtube.com/watch?v=ITn6UqjJlxw&ab_channel=HomeownerRepair)

- Insert more air in the low-pressure tire and remove air from the high-pressure tire.

You can also go to any mechanic or Car servicing center if you don't want to do it yourself. It usually costs [\\$1 to \\$2](#) to fill up your wheel's air.

## **Cause 2: Memory Error**

The Ford Explorer tire pressure sensor fault can also happen when the TPMS and tire pressure control module loses communication. It can happen due to external radio waves.

### **Possible Solution ([Source](#))**

To fix the memory error of the Ford Explorer, you need to relearn the TPMS Tire Pressure Light. But for the process, you need to have a [TPMS relearn tool](#).

Here are the steps to do so:

- Press the brake paddle once.



source: <https://www.youtube.com/watch?v=ocPT1Ns15G0>



- Press the Ford Explorer start button 8 times.



source:

<https://www.youtube.com/watch?v=ocPT1Ns15G0>

- Press and release the brake paddle.



source: <https://www.youtube.com/watch?v=ocPT1Ns15G0>

- Press the start button 9 times.
- Check for the horn sound beep and the train front left tire message in your dashboard.



source: <https://www.youtube.com/watch?v=ocPT1Ns15G0>

- Get out of your Ford Explorer and put the TPMS relearn tool in your left front tire, then press scan.





source: <https://www.youtube.com/watch?v=ocPT1Ns15G0>

- After hearing the horn, go to the front right tire> Rear Right > Rear Left and repeat the process for each.

And after you apply the method, you won't see the tire pressure sensor fault message. You can also take help from a garage. In that case, they may [charge between \\$35 to \\$44](#).

### **Cause 3: Wheel Replacement**

As a person living in the US, I have summer and winter tires for my Ford Explorer, and I switch between them whenever the weather changes.

But these frequent changes often create synchronization errors. When this happens, you must reset the TPMS sensor.

### **Possible Solution ([source](#))**

**Here are the steps to reset Ford Explorer's Tire Pressure Sensor:**

- Drive the car at 50 miles (80 km) per hour for **15 minutes**.
- Shut down your car engine & wait for **half an hour**.
- Press the ignition button but don't turn on your engine.
- Press and hold the TPMS button until the error message blinks 3 times.
- Release your finger and start the engine.
- Insert 3 PSI air above the recommended level in all 4 tires of your Ford Explorer.
- Then make all tire PSI to zero.
- After that, insert recommended air in all four tires.

When you complete the steps, the tire pressure sensor fault will go away from your car's dashboard.

### **Cause 4: Defective TPMS Sensor**

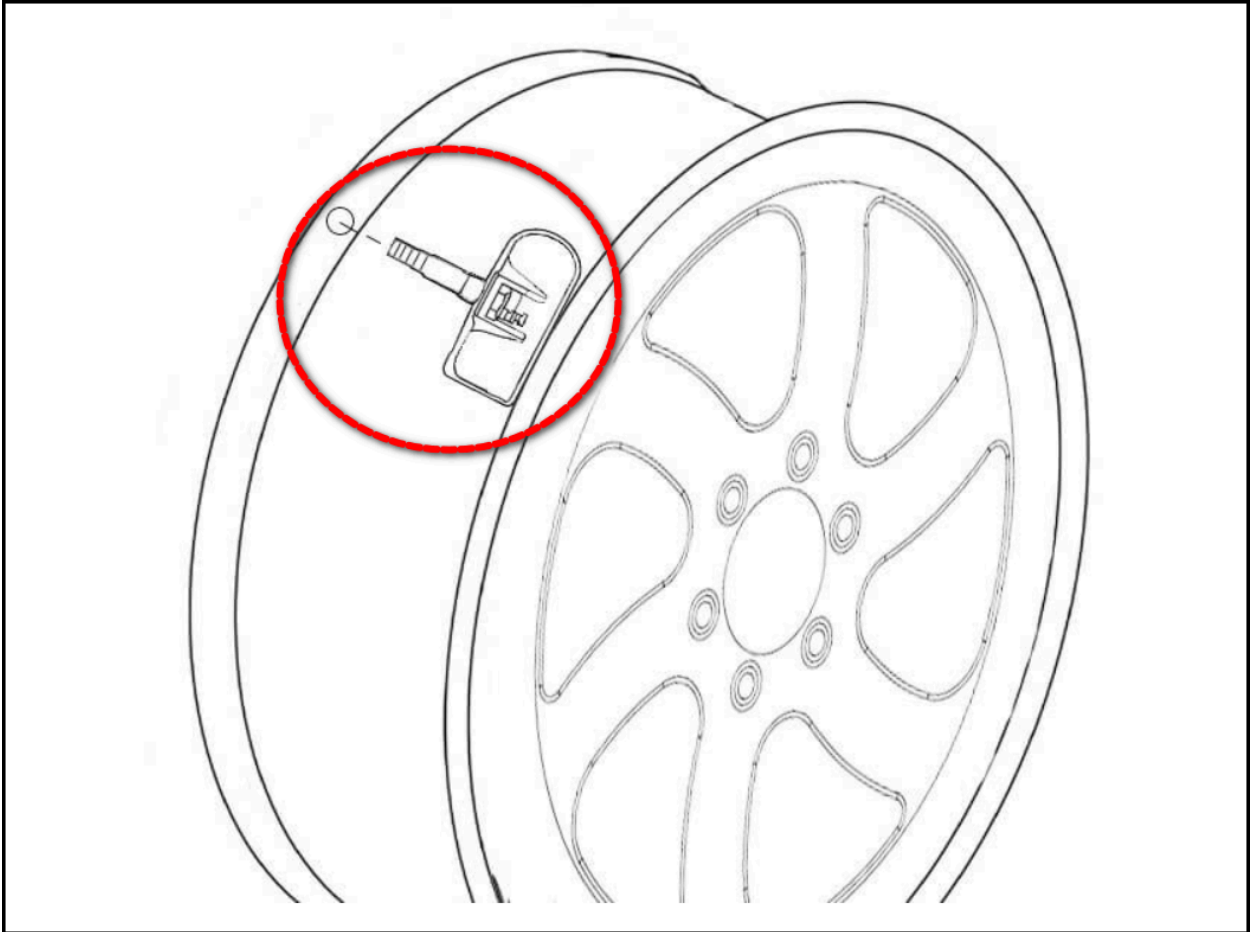
A faulty TPMS sensor or TPMS sensor with a low battery can also cause tire pressure sensors fault messages. Usually, the sensors are located in each tire's valve stem. So when the tire rotates, it puts pressure on the TPMS.

That's why the TPMS sensors wear out as time passes. And you should change the sensors every couple of years.

### **Possible Solution**

The only possible solution for a defective TPMS muddle is to replace it. To replace the muddle:

- Remove the tire from your car.
- Detach the rubber parts from the rim.



source:

<https://www.cjponyparts.com/resources/wrangler-tpms-troubleshooting>

- Remove the TPMS and insert the new one.

You can find the TPMS Sensors for Ford Explorer in any Body Shop as well as on Amazon. And the mechanic will charge you [\\$105 to \\$110](#).

### **Cause 5: Faulty TPM Control Module ([Source](#))**

The tire pressure sensor fault message can also occur in your Ford Explorer's dashboard for a damaged TPM Control module.

If you face TPMS control module failure, you will see no alerts for underflow or overflow air in your tire, communication errors with the body control module or TPMS sensors, and incorrect tire pressure reports.

### **Possible Solution**

The only possible solution to this cause is to replace the TPM Control sensor from a reputed car workshop. And it will cost between [\\$422 and \\$437](#), depending on the Ford Explorer model year.

### **Risk Of Ignoring A Faulty Tire Pressure Sensor on Ford Explorer ([Source](#))**

With a defective TPMS sensor, even the most dependable vehicles can encounter unforeseen challenges. The tire pressure sensors monitor the air pressure of your tire.

When the pressure becomes too low or too high, you see the tire pressure sensors' fault message on your dashboard.

But if the TPMS is defective, and you're driving with a full load, then the low or the higher pressure can make your tire boom. Even the most reliable vehicle, like the Ford Explorer, can't save you from an unexpected crash.

Also, if you are driving at high speed, the tire's rubber gets separated from the rim, and extensive metal rim rotation can create fire.

So, It's very risky to ignore the TPS sensor fault on Ford Explorer.

### **FAQs**

As someone facing a tire pressure sensor issue with their Ford Explorer, you should know some frequently asked questions and their answers. It will provide you with a better understanding of the problem itself.

## **Can You Drive Your Ford Explorer With Tire Pressure Sensor Issue?**

Yes, you can drive your Ford Explorer with A Tire Pressure Sensor Fault, but you shouldn't. Because your tire can blow out at any time, and the car can crush.

## **Is a Tire Pressure Sensor Problem The Same as Low Tire Pressure?**

Low Tire Pressure can be a reason for Tire Pressure Sensor Fault, but it's not the only reason. The Tire Pressure Sensor Fault can also happen for other reasons like Memory Error, defective TPM Control Module, etc.

## **How Much Does It Cost To Repair the Tire Pressure Sensor In Ford Explorer?**

To replace Ford Explorer Tire Pressure Sensor, you need to pay between \$100 to \$105 (\$5 for Parts and \$95 for Mechanics).