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› Autel MaxiTPMS TS508WF Relearn Tool Instruction Manual

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Autel MaxiTPMS TS508WF Relearn Tool Instruction Manual

Model: Autel MaxiTPMS TS508WF | Brand: Autel

INTRODUCTION

The Autel MaxiTPMS TS508WF is a new generation Tire Pressure Monitoring System (TPMS) tool, designed to provide comprehensive TPMS solutions. It is an upgraded version of previous models like the TS508 and TS601, featuring enhanced capabilities including Wi-Fi updates for convenient software management. This tool allows users to activate all known TPMS sensors, perform detailed diagnostics, program Autel MX-Sensors, and execute various relearn procedures to ensure proper TPMS functionality.

AUTEL MAXITPMS TS508WF

WiFi & Upgraded Ver. of TS508/ TS501/ TS408/ TS401



Upgraded of TS508/TS501



Unique Quick & Advanced Mode



TPMS Relearn



Program MX Sensors



Activate All-known TPMS Sensors



TPMS System Health Check



Software Updates via WiFi (NEW)



Cover 99.5% Vehicle Models



Online Free Update
Life-time



Lifetime
Free Updates



315MHz/433MHz
Reads Both Sensors



Tool Resistant
Grease & Water



320*240
LED Display



3.7V Built-in
Rechargeable

Image: Autel MaxiTPMS TS508WF highlighting its upgraded features such as Wi-Fi updates, Quick & Advanced Modes, TPMS Relearn, Program MX Sensors, Activate All-known TPMS Sensors, TPMS System Health Check, and 99.5% vehicle model coverage.

WHAT'S IN THE BOX

- TS508WF Main Unit
- OBD II cable
- USB cable
- AC Adapter
- Carry case

SETUP GUIDE

Initial Setup and Wi-Fi Update

The TS508WF features convenient Wi-Fi updates, eliminating the need for a PC connection for software updates. Ensure the device is charged or connected to a power source during the update process.

1. Power on the TS508WF unit.
2. Navigate to the 'My Device' menu.
3. Select 'Update by Wi-Fi'.
4. Choose 'Scan Wi-Fi' to find available networks.
5. Select your network and enter the password to sign in.
6. Once connected, the tool will check for available updates. Follow on-screen prompts to download and install updates.

Video: Demonstrates the Wi-Fi update process for the Autel MaxiTPMS TS508WF, showing how to connect to a network and initiate software updates directly from the device.

OPERATING MODES

The Autel MaxiTPMS TS508WF offers two distinct operating modes to cater to different user needs: Quick Mode and Advanced Mode.

Quick Mode

Quick Mode provides basic TPMS functions for fast and easy operations. It is ideal for quick checks and common tasks.

- Activate & Relearn All Known Sensors
- Read Sensor ID, Temperature, Pressure
- Read Battery Power Level Condition
- 3 Sensor Programming Options (Copy by Activation, Copy by Manual Input, Auto Create 1-16 Sensors)

Advanced Mode

Advanced Mode offers complete TPMS functions, providing powerful diagnostic and service capabilities for more complex scenarios.

- TPMS Status Screen - View System Faults
- Read & Clear DTCs from ECU
- Sensor Position Relearn
- 4 Sensor Programming Options (Copy by Activation, Copy by Manual Input, Copy by OBD, Auto Create 1-16 Sensors)
- On-Tool Relearn Procedure Guide

UNIQUE 2 TPMS SERVICE MODES

Quick Mode & Advanced Mode options.
You can choose according to your different needs.

1 Quick Mode

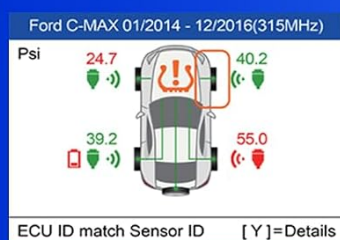


- Activate & Relearn All Known Sensors
- Read SensorID, Temperature & Pressure
- Read Battery Power Level Condition

3 SENSOR PROGRAMMING OPTIONS

- Copy by Activation
- Copy by Manual input
- Auto Create 1-16 Sensors

2 Advanced Mode



- Same TPMS Features as Quick Mode
- TPMS Status Screen - View System Faults
- Read & Clear DTCs from ECU
- Sensor Position Relearn

4 SENSOR PROGRAMMING OPTIONS

- Copy by Activation
- Copy by Manual input



Image: Illustration of the two unique TPMS service modes, Quick Mode for basic functions and Advanced Mode for comprehensive diagnostics and programming.

TPMS SENSOR ACTIVATION & DIAGNOSIS

The TS508WF can wirelessly activate 99% of TPMS sensors on the market and retrieve crucial sensor data. It also provides full diagnostic capabilities for the TPMS system.

Activating Sensors

To activate a sensor, select the appropriate vehicle make/model/year, then choose the activation function. Hold the tool near the tire valve stem and press the trigger button. The tool will display sensor ID, tire pressure, temperature, battery status, and position.

ACTIVATE 99% OF TPMS SENSORS

Activate quickly, grasp tire health status easily



Image: Visual representation of activating a TPMS sensor and retrieving data such as Sensor ID, Tire Pressure, Tire Temperature, Sensor Battery, and Sensor Position.

TPMS System Diagnostics

Use the diagnostic function to read and clear Diagnostic Trouble Codes (DTCs) related to the TPMS system. This helps identify and resolve issues causing the TPMS warning light to illuminate.

FULL TPMS SYSTEM DIAGNOSTICS

All-round TPMS System Scan, Quickly and Precisely
Grasp Tire Health Status



Image: Diagram illustrating the full TPMS system diagnostics capabilities, including reading and clearing TPMS DTCs and resetting warning lights.

Video: A demonstration of using the Autel TS508 to scan and diagnose TPMS issues, including activating sensors and checking system status.

TPMS SENSOR PROGRAMMING

The TS508WF allows you to program Autel MX-Sensors to replace faulty or low-battery OE/MX/Other sensors. There are multiple programming options available:

- **Auto Create 1-16 MX-Sensors:** Generates new sensor IDs for up to 16 sensors.
- **Copy by OBD:** Copies existing sensor IDs from the vehicle's ECU into new MX-Sensors.
- **Copy by Activation:** Copies the ID from an activated sensor into a new MX-Sensor.
- **Copy by Manual Input:** Allows manual entry of a sensor ID into a new MX-Sensor.

4 MX-SENSOR PROGRAMMING OPTIONS

Program MX-Sensors to Replace 99% of Faulty Sensors

Audi Q3 11/2009-12/2016

ID(Hex) 23001200

[N]=Exit [Wi]=Trigger [Y]=Prog.

1 Copy By Activation

Input Sensor ID (Dec)

23001200

0	1	2	3
4	5	6	7
8	9	A	B
C	D	E	F

[N]=Exit [Wi]=Select [Y]=Confirm

2 Copy By Manual Input

Auto Create

433MHz

Keep Programming sensor within 4 inches.
Keep other sensors at least 4 feet away.
start checking...

[N]=Cancel

3 Auto Create

Copy by OBD 1/5

1	FL Sensor ID CE020304(Hex)
2	FR Sensor ID CE121314(Hex)
3	RR Sensor ID CE222324(Hex)
4	RL Sensor ID CE323334(Hex)
5	SP Sensor ID CE424344(Hex)

4 Copy By OBD

NOTE :

TS508WF KIT can program Autel MX-sensors **ONLY**, CANNOT program OEM sensors.

Image: Overview of the four MX-Sensor programming options available on the Autel MaxiTPMS TS508WF.

Video: Demonstrates the TPMS programming capabilities of the Autel MaxiTPMS TS508WF, including various methods to program MX-Sensors.

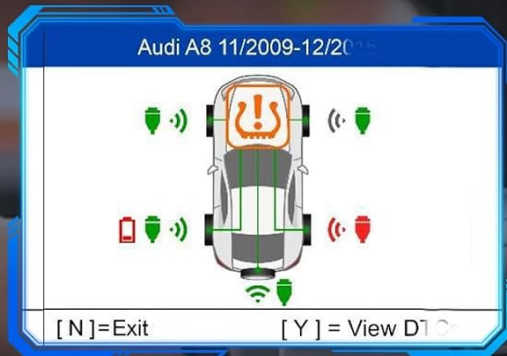
TPMS SENSOR RELEARN

After replacing or rotating tires, TPMS sensors need to be relearned to the vehicle's ECU to ensure accurate pressure readings and proper system function. The TS508WF supports three relearn methods:

- **Stationary Relearn:** Requires the vehicle to be placed in a "Learn Mode" (specific steps vary by vehicle).
- **Automatic Relearn:** Involves driving the vehicle for a certain period at a specified speed (refer to on-screen procedure).
- **OBD Relearn:** Directly writes the TPMS sensor IDs to the TPMS module via the OBD connector.

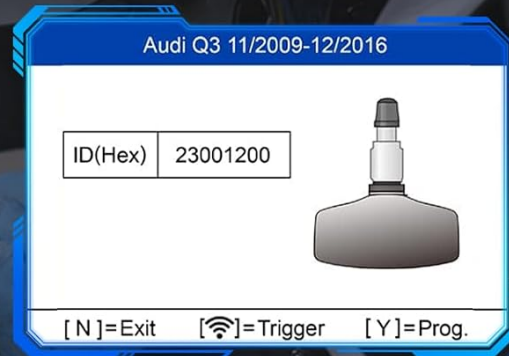
3 WAYS SENSOR RELEARNING OPTIONS

Supports All Brand Sensors



1 Stationary Relearn:

Vehicle to be placed in the "Learn Mode"



2 Automatic Relearn:

Complete relearning by driving the car.



3 OBD Relearn:

Write sensor IDs to the TPMS module.

Image: Visual guide to the three sensor relearning options: Stationary Relearn, Automatic Relearn, and OBD Relearn.

Video: Detailed guide on performing a stationary TPMS relearn procedure using the Autel TS508.

Video: A comprehensive demonstration of TPMS programming on a 2014 Ford F150 using the Autel TS508, including sensor activation and relearn procedures.

TROUBLESHOOTING

If you encounter issues with your TPMS system or the TS508WF tool, refer to the following common troubleshooting tips:

- **TPMS MIL (Malfunction Indicator Light) On:** This could be due to a damaged TPMS sensor, incorrect tire pressure, missing sensors, or a relearn process not performed after sensor replacement. Use the TPMS Diagnose function to identify the exact cause.
- **Sensor Not Activating:** Ensure the tool is held correctly near the valve stem. Check if the sensor battery is low or if the sensor itself is broken. The tool will indicate low battery or activation failure.
- **Incorrect Tire Pressure Reading:** Verify the tire pressure against the vehicle's placard. If the sensor ID is duplicated or inconsistent with the ECU, perform a relearn procedure.

- **Tool Communication Issues:** Ensure the OBD II cable is securely connected to both the tool and the vehicle's OBD port. Confirm the vehicle's ignition is in the ON position.

SPECIFICATIONS

Feature	Specification
Model	MaxiTPMS-TS508WF
Item Weight	4 pounds
Product Dimensions	8.46 x 3.94 x 1.38 inches
Batteries	1 Lithium Polymer battery (included)
Voltage	3.7 Volts
Display Resolution	320x240

WARRANTY AND SUPPORT

Autel provides free lifetime software updates for the MaxiTPMS TS508WF, ensuring your tool always has the latest vehicle coverage and functionalities.

For detailed support, troubleshooting guides, and warranty information, please refer to the official User Manual (PDF) available on the product's Amazon page or Autel's official website.

You can also visit the [Autel Store on Amazon](#) for additional resources and product information.