

## JDIAG U508

# JDIAG U508 TPMS Relearn Tool Instruction Manual

Model: U508

## 1. INTRODUCTION

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The JDIAG U508 TPMS Relearn Tool is an essential device designed to activate and relearn Tire Pressure Monitoring System (TPMS) sensors operating at 315MHz or 433MHz. This tool is crucial for maintaining proper tire pressure monitoring after sensor replacement, tire rotation, or tire changes, ensuring your vehicle's safety systems function correctly.



Image 1.1: JDIAG U508 TPMS Relearn Tool in operation, displaying tire pressure information.

### Key Features:

- Supports both 315MHz and 433MHz TPMS sensors.
- Facilitates tire pressure sensor replacement and alarm removal.
- Simple 3-step activation process.
- Compatible with a wide range of vehicles including Ford, GMC, Chevy, Jeep, Lincoln, Dodge, Cadillac, Nissan, Buick, and Chrysler.

## 2. SETUP AND COMPONENTS

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Before using your JDIAG U508 TPMS Relearn Tool, ensure it is properly set up.

### 2.1 Package Contents

- 1 x JDIAG U508 Universal TPMS Relearn Tool
- 1 x U508 TPMS Tool User Manual (this document)

### 2.2 Battery Installation

The U508 tool requires a **new 9V battery** for operation (battery not included). The magnitude of the battery

voltage directly affects the signal strength of the product, so a fresh battery is recommended for optimal performance.

1. Locate the battery compartment on the back of the U508 tool.
2. Open the battery compartment cover.
3. Insert a new 9V battery, ensuring correct polarity.
4. Close the battery compartment cover securely.



Image 2.1: Overview of the U508 tool with labeled components and battery compartment.

### 3. OPERATING INSTRUCTIONS

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Follow these steps to successfully relearn your vehicle's TPMS sensors using the JDIAG U508 tool.

#### 3.1 Entering TPMS Learning Mode

The first step is to put your vehicle into TPMS learning mode. This process varies by vehicle manufacturer and model. Consult your vehicle's owner's manual or an authorized service manual for specific instructions on how to activate the TPMS relearn mode. Typically, the car will signal entry into this mode with a horn chirp or a dashboard indicator.

#### 3.2 Sensor Activation and Relearn Process



# Activate Easily Within Min

Eliminate the Problem Fleetly ,Protect Safety in Driving



Image 3.2: Proper tool positioning for effective sensor activation.

## 3.3 Instructional Videos

Your browser does not support the video tag.

Video 3.1: Demonstration of the JDIAG U508 TPMS Relearn Tool in action, resetting sensors on a Malibu XL 535T.

Your browser does not support the video tag.

Video 3.2: A test of the U508 TPMS Reset Tool's functionality.

## 4. VEHICLE COMPATIBILITY

The JDIAG U508 TPMS Relearn Tool is designed for a wide range of vehicles equipped with 315MHz or 433MHz TPMS sensors. It supports various models from manufacturers such as Ford, GMC, Chevy, Jeep, Lincoln, Dodge, Cadillac, Nissan, Buick, and Chrysler.

**Important:** If your vehicle model or year is not explicitly listed, the tool may not be compatible. Always verify compatibility before use. For the most up-to-date compatibility information, please refer to the manufacturer's official resources or contact customer support with your vehicle's model, year, and TPMS frequency.

# U508 UNIVERSAL TPMS TOOL

works on 315/433 MHz tire pressure monitor system



Image 4.1: General vehicle compatibility chart.

Please find out your car's brand & model here. If not found, this tool can't work for your car.

For Chrysler			For Ford	For Foton	For Maybach	For Saab				
300M	2002-2004	XL R-V XT3 XT4 XT5 XT6 XTS	2016-2019 2018-2019 2018-2023 2016-2023 2019-2023 2013-2019	500 Bronco C-Max Crown Victoria E Series Econoline Ecosport Edge Escape Everest Exp Sport Trac Expedition Explorer F-150 433MHz F-150 HD 433MHz	2006-2007 2020-2020 2012-2020 2007-2011 2007-2023 2006-2018 2015-2018 2007-2010 2005-2023 2006-2023 2006-2010 2003-2023 2002-2015 2013-2023 2008-2014	Cargo Van Savanna 2018-2019 2015-2020 2011-2022 2014-2018	Landdaulet Maybach 57 Maybach 62	2009-2012 2002-2012	9-5 9-7X	2010-2012 2005-2009
For Dodge				For GMC	For Mercury	For Opel/Vauxhall				
Caravan	2002-2003			Acacia Acadia Denali Denali Envoy Savana Sierra Sierra 35HD DRW_FR_A Sierra 35HD DRW_FR_S Sierra 35HD DRW_REAR Sierra Classic Sierra DRW Sierra DRW Sierra HD Sierra Limited Sierra Trailer Terrain Yukon All	2016-2016 2007-2023 2014-2022 2014-2019 2005-2011 2002-2023 2004-2023	Grand Marquis Mariner Milan Montego Monterey Mountaineer Sable	2007-2011 2006-2013 2008-2012 2006-2009 2004-2008 2004-2012 2008-2009	Antara Astra GTC Astra H Astra K Maloo R8 LSA Viva Vivaro E	2006-2010 2015-2018 2004-2009 2019-2023 2014-2018 2015-2020 2019-2023	
For Jeep										
Cherokee	2001-2007	Alpheon Avalanche Aveo Blazer Bolt EV Camaro Camaro ZL1	2011-2015 2004-2013 2002-2023 2019-2023 2017-2022 2010-2016 2012-2023							
Grand Cherokee	2002-2004									
Liberty	2004-2004									
For Brilliance										
V5	2014-2016	Caprice Captiva Captiva Sport Cavalier Cheyenne Cheyenne DRW	2007-2019 2012-2019 2012-2017 2016-2022 2007-2023 2015-2019							
For Buick										
Allure	2007-2015	City Express Cobalt Colorado Coruze Corvette Cruze Damas Equinox Excelle Excellegx GL6 GL8 GL8 ES LaCrosse Le sabre Lucerne Park Avenue Rainier Regal Royaum TourX Velite Velite 6 Verano	2016-2020 2007-2023 2016-2023 2015-2022 2017-2020 2017-2021 2015-2023 2017-2023 2004-2023 2007-2007 2007-2013 1997-2014 2006-2009 2009-2023 2005-2008 2018-2023 2019-2023 2012-2023							
For Cadillac										
ATS	2013-2019	City Express Cobalt Colorado Coruze Corvette Cruze Damas Equinox Excelle Excellegx GL6 GL8 GL8 ES LaCrosse Le sabre Lucerne Park Avenue Rainier Regal Royaum TourX Velite Velite 6 Verano	2016-2020 2007-2023 2016-2023 2015-2022 2017-2020 2017-2021 2015-2023 2017-2023 2004-2023 2007-2007 2007-2013 1997-2014 2006-2009 2009-2023 2005-2008 2018-2023 2019-2023 2012-2023							
ATS Sport	2014-2015									
ATS-L	2014-2020									
ATS-V	2013-2019									
CT4	2020-2023									
CT5	2020-2023									
CT6	2016-2018									
CTS	2004-2021									
CTS-V	2009-2019									
CTS-V Sport	2014-2019									
DeVille	2001-2005									
DTS	2006-2013									
ELR	2014-2018									
Escalade	2004-2020									
Escalade ESV	2021-2023									
Escalade Trailer	2022-2022									
Funeral car	2001-2005									
Limousine	2001-2005									
Seville	2001-2006									
SLS	2009-2013									
SRX	2004-2018									
STS	2005-2011									
XLR	2004-2011									
For Cruise										
		Origin	2023-2023							
For Holden/HSV										
ClubSport R8 Maloo R8 LSA Commodore G Senator Signature Spark Trailblazer Trax Volt	2014-2019 2014-2019 2010-2013 2014-2016 2016-2019 2009-2019 2001-2014 2012-2014 2010-2010									
For Hummer										
H2 H3 H3T	2002-2011 2005-2012 2006-2012									
For Isuzu										
Ascender i290 i370	2006-2011 2007-2011 2007-2011									
For Suzuki										
Equator Forenza Grand Vitara Kizashi Reno SX4 Verona XL-7	2009-2013 2007-2008 2007-2013 2010-2013 2007-2008 2007-2014 2005-2006 2005-2011									
For Nissan										
Frontier Fuga Murano Pathfinder Pathfinder Quest Titan Xterra X-Trail	2003-2004 2003-2007 2003-2006 2004-2005 2003-2003 2004-2004 2004-2004 2003-2004 2000-2005									
For Pontiac										
G3 G5 G6 G8 Grand Prix Montana Montana-SV6 Solstice SV-6 Torrent	2007-2011 2007-2010 2008-2012 2008-2011 2007-2011 2008-2009 2008-2009 2008-2010 2008-2009 2007-2011									
For Saturn										
Astra Aura Lambda Outlook Sky Vue	2007-2009 2007-2011 2007-2008 2007-2012 2006-2011 2007-2011									
For Lincoln										
Aviator CUV Mark LT MKC MKX MKT MKZ Navigator Town Car Zephyr	2003-2005 2018-2018 2008-2016 2015-2018 2009-2020 2010-2019 2007-2016 2003-2017 2006-2012 2006-2012									
For Roewe										
950	2012-2020									



Image 4.2: Detailed compatibility for Dodge, Jeep, and Chrysler models.

## 5. TROUBLESHOOTING AND IMPORTANT NOTES

To ensure proper function and avoid issues, please observe the following:

- **Antenna Position:** When using the U508 TPMS relearn tool, ensure the antenna is in the correct position, parallel to the valve stem. Incorrect positioning will prevent the tool from receiving the sensor signal, meaning the product will not work properly. Front tires must be straight during the process.
- **Battery Condition:** Always use a **new 9V battery**. The strength of the battery voltage directly impacts the signal strength of the tool. A weak battery can lead to activation failures.
- **Sensor Type:** The U508 TPMS tool is designed to **reset** existing tire sensors; it does **not program** new sensors. If you have purchased aftermarket sensors with an incorrect frequency or blank sensors that have not been programmed, the U508 will not work. Ensure your sensors are correctly programmed to the vehicle's required frequency (315MHz or 433MHz) before using this tool for relearn.
- **Vehicle Relearn Mode:** Different car brands and models may have unique procedures for entering TPMS relearn mode. If your car does not enter relearn mode, consult your vehicle's owner's manual or a qualified mechanic.

- **Heavy Trucks:** This tool is **not** designed for heavy trucks with more than 4 tires.

## 6. PRODUCT SPECIFICATIONS

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Specification	Detail
Brand	JDIAG
Model	U508
Material	Plastic
Maximum Supply Voltage	9 Volts (requires 9V battery, not included)
Measuring Range	Universal signal strength or frequency range (315MHz / 433MHz)
Output Type	Analog
Specific Uses	TPMS sensor replacement, tire pressure alarm removal, tire rotation, tire replacement. Activates TPMS sensors to communicate with vehicle's ECU.
Included Components	U508 Universal TPMS Relearn Tool, User Manual

## 7. MAINTENANCE

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To ensure the longevity and proper functioning of your JDIAG U508 TPMS Relearn Tool, follow these simple maintenance guidelines:

- **Cleaning:** Wipe the tool with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tool in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery:** Remove the 9V battery if the tool will not be used for an extended period to prevent battery leakage and potential damage.
- **Avoid Moisture:** Keep the tool dry. Exposure to water or excessive humidity can damage internal components.

## 8. WARRANTY INFORMATION

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Specific warranty details for the JDIAG U508 TPMS Relearn Tool are typically provided at the point of purchase or within the product packaging. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official JDIAG website or contact their customer service.

## 9. CUSTOMER SUPPORT

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If you encounter any issues or have questions regarding the JDIAG U508 TPMS Relearn Tool that are not covered in this manual, please contact JDIAG customer support. You can typically find contact information on the official JDIAG website or through the retailer where you purchased the product.

