

HUF UVS3041

HUF UVS3041 315MHz Universal TPMS Sensor Instruction Manual

INTRODUCTION

This manual provides essential information for the installation, programming, and operation of the HUF UVS3041 315MHz Universal TPMS Sensor. This sensor is designed to function like original equipment (OE) sensors, providing reliable tire pressure monitoring. It is crucial to understand that this sensor requires programming prior to installation.

The HUF UVS3041 sensor is supported by a team of product experts based in the United States.

SETUP AND INSTALLATION

Important Pre-Installation Note: Programming Required

The HUF UVS3041 Universal TPMS Sensor **must be programmed** before it can be installed and function correctly in your vehicle. Failure to program the sensor will result in improper operation and potential error codes.

Programming typically requires a specialized TPMS tool. For certain vehicles, such as Toyota models, an additional tool like the ATEQ TPMS Quickset may be necessary to program sensor data and locations into the vehicle's Engine Control Unit (ECU).

Installation Steps (Professional Installation Recommended)

1. **Sensor Programming:** Using a compatible TPMS programming tool, program the UVS3041 sensor with the correct vehicle-specific data.
2. **Tire Removal:** Safely remove the tire from the wheel.
3. **Old Sensor Removal:** Carefully remove the existing TPMS sensor from the wheel.
4. **New Sensor Installation:** Install the programmed HUF UVS3041 sensor into the wheel, ensuring the rubber valve is properly seated and secured.
5. **Tire Mounting and Balancing:** Mount the tire back onto the wheel and balance it according to manufacturer specifications.
6. **Vehicle Relearn Procedure:** After installation, perform the vehicle's TPMS relearn procedure. This

may involve driving the vehicle or using a diagnostic tool to register the new sensor IDs with the vehicle's system.



Image: The HUF UVS3041 315MHz Universal TPMS Sensor, shown with its integrated rubber valve stem, ready for installation.

OPERATION

Once properly programmed and installed, the HUF UVS3041 sensor will monitor the air pressure within your vehicle's tires and transmit this data wirelessly to the vehicle's onboard computer. If tire pressure falls below or rises above a predetermined threshold, the vehicle's Tire Pressure Monitoring System (TPMS) warning light will illuminate on the dashboard.

The sensor operates at a frequency of 315MHz, compatible with a wide range of vehicles requiring this frequency.

MAINTENANCE

TPMS sensors are typically sealed units and do not require routine maintenance. However, consider the following:

- **Battery Life:** The internal battery of a TPMS sensor has a finite lifespan, typically 5-10 years. When the battery depletes, the sensor will need to be replaced.
- **Valve Stem Inspection:** During tire rotations or replacements, inspect the rubber valve stem for any signs of wear, cracking, or damage. Replace if necessary.
- **Proper Tire Inflation:** Always maintain correct tire pressure as specified by your vehicle manufacturer. This prolongs tire life and ensures accurate TPMS readings.

TROUBLESHOOTING

If you experience issues with your HUF UVS3041 TPMS sensor, consider the following common problems and solutions:

- **TPMS Light Remains On After Installation:**
 - **Programming:** Ensure the sensor was correctly programmed to your vehicle's specifications prior to installation. This is the most common reason for issues.
 - **Relearn Procedure:** Confirm that the vehicle's TPMS relearn procedure was successfully completed.
 - **Compatibility:** Verify that the 315MHz frequency is correct for your vehicle model.
- **Inaccurate Readings:**
 - **Tire Pressure:** Manually check tire pressure with a reliable gauge to confirm if the sensor reading is genuinely inaccurate or if the tire pressure is indeed low/high.
 - **Sensor Damage:** The sensor may have been damaged during tire mounting or by road hazards.
- **Sensor Not Detected:**
 - **Programming:** Reconfirm programming.
 - **Battery:** If the sensor is old, the battery may be depleted.
 - **Interference:** Rarely, external electronic interference can affect sensor communication.

For persistent issues, consult a qualified automotive technician or contact HUF product support.

SPECIFICATIONS

- **Model:** UVS3041
- **Frequency:** 315MHz
- **Type:** Universal Programmable TPMS Sensor
- **Valve Type:** Rubber Valve
- **Item Weight:** 1.6 ounces
- **Product Dimensions:** 3.82 x 2.17 x 1.54 inches
- **Manufacturer Part Number:** UVS3041
- **Brand:** HUF

WARRANTY AND SUPPORT

While specific warranty details are not provided in this manual, HUF products are generally backed by manufacturer warranties. Please refer to the product packaging or contact your retailer for specific warranty

terms.

For technical assistance or support, a team of product experts based in the United States is available to assist with all parts.