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HUAHAT HuaHat U912

HUAHAT U912 TPMS Tire Pressure Monitoring System User Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your HUAHAT U912 Tire Pressure Monitoring System (TPMS). The U912 TPMS is designed to dynamically monitor your vehicle's tire pressure and temperature in real-time, enhancing driving safety by alerting you to abnormal tire conditions. This system is specifically designed for compatibility with certain Japanese car models, including Toyota, Honda, Nissan, and Mazda.

2. Product Overview

2.1. Components

The HUAHAT U912 TPMS package includes the following components:



Image: All parts included in the U912 TPMS package, featuring the main monitor unit, a charging cable, a spanner tool for sensor installation, spare fuses, anti-theft nuts, and the four external tire pressure sensors.

- Main Monitor Unit (Display)
- 4 External RF Sensors
- Charger/Power Line
- Spanner Tool
- Theftproof Nuts
- Fuses

2.2. Key Features



Image: The U912 monitor highlighting its key functionalities through icons, including real-time tire pressure monitoring, temperature monitoring, strong anti-interference ability, abnormal alarm prompts, and wireless sensor reception.

- **Real-time Monitoring:** Dynamically monitors tire pressure and temperature in real-time.
- **Wireless Transmission:** Sensors send tire information wirelessly to the display.
- **Alert System:** Provides audible beeps and visual flashes for abnormal pressure or temperature conditions.
- **Anti-theft Sensors:** The four external sensors are equipped with anti-theft locks.
- **Automatic Power Saving:** Sensors automatically shut down after 10 minutes of tire inactivity and wake up when the car reaches 20 km/h.
- **Customizable Alerts:** Alert thresholds can be adjusted.
- **Wide Compatibility:** Applicable to most cars, SUVs, and RVs, with specific head unit designs for Toyota, Honda, Nissan, and Mazda.

3. Setup and Installation

3.1. Monitor Installation

The U912 head unit is designed to fit into the default blind slot on the dashboard of compatible vehicles, requiring no additional space. It is crucial to measure your car's blind slot before installation to ensure proper fitment.



Image: This image illustrates how the U912 monitor fits into the dashboard's blind slot for different car manufacturers, including Nissan, Toyota, Honda, and Mazda. It also provides precise dimensions for each variant to ensure compatibility. The bottom right shows an installed unit in a car interior.

- **Toyota:** 0.93 x 1.33 inches (23.5 x 34 mm)
- **Honda:** 0.99 x 1.75 inches (25.3 x 44.6 mm) or 0.93 x 1.45 inches (23.8 x 37 mm)
- **Nissan:** 0.82 x 1.41 inches (21 x 36 mm)
- **Mazda:** 0.94 x 1.53 inches (24 x 39 mm)

Connect the monitor to your vehicle's power supply using the provided charger/power line. Ensure all connections are secure.

3.2. Sensor Installation

The U912 system uses external sensors that are easy to install on your tire valves.

1. Remove the original valve cap from each tire.
2. Screw on a theftproof nut onto the valve stem.
3. Screw the corresponding external sensor onto the valve stem. Ensure it is tightened securely.
4. Tighten the theftproof nut against the sensor using the provided spanner tool to prevent unauthorized removal.
5. Repeat for all four tires.

The sensors are pre-paired with the monitor. Once installed, drive your vehicle above 20 km/h for the sensors to activate and transmit data.

4. Operating Instructions

4.1. Power Management

- The monitor unit powers on automatically with the vehicle's ignition.
- Sensors automatically enter a power-saving sleep mode when the vehicle is stationary for approximately 10 minutes.
- Sensors automatically wake up and begin transmitting real-time data once the vehicle speed reaches approximately 20 km/h.

4.2. Display Readings

The color LCD screen on the monitor displays the real-time pressure and temperature for each tire. Readings are typically shown in PSI for pressure and Celsius for temperature.

4.3. Alert System

The system is pre-configured with factory-set alert thresholds. In case of abnormal tire pressure (too high or too low) or temperature (too high), the monitor will:

- Emit an audible beep alarm.
- Flash the relevant tire's data on the display.

4.4. Customizing Alerts

The alert thresholds for tire pressure and temperature can be customized to suit your preferences or vehicle requirements. Refer to the on-screen menu or specific button functions on the monitor for adjustment procedures. (Specific steps for customization are not provided in the product details, please refer to the device's interface for detailed instructions).

5. Maintenance

5.1. Sensor Battery

The external sensors are designed for long battery life, aided by their automatic power-saving feature. When a sensor's battery is low, an indicator will typically appear on the monitor display. Sensor batteries are generally not user-replaceable and may require professional service or sensor replacement.

5.2. General Care

- Keep the monitor unit clean and free from dust. Use a soft, dry cloth for cleaning.
- Ensure the sensors are securely fastened to the tire valves to prevent loss or damage.

- Avoid exposing the monitor to extreme temperatures or direct sunlight for prolonged periods, which could affect its lifespan.

6. Troubleshooting

If you encounter issues with your U912 TPMS, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No signal or incorrect readings from a sensor	Sensor not activated, sensor battery low, sensor too far from monitor, interference.	• Drive above 20 km/h to activate sensors. • Check for low battery indicator on display. • If distance exceeds 26 feet, a signal repeater may be required. • Ensure no strong electronic interference sources are nearby.
Monitor not powering on	Power connection issue, blown fuse.	• Check power cable connection to the vehicle. • Inspect and replace any blown fuses in the power line.
Inaccurate initial readings	System calibration in progress.	Allow for a day of driving for the system to stabilize and provide accurate readings.

7. Specifications

Feature	Detail
Brand	HUAHAT HuaHat
Model Number	U912
Item Weight	350 grams
Style	Modern
Installation Type	Dashboard Slot Mount
Response Time	3 seconds
Pressure Range	0 ~ 116 psi
Temperature Unit	Celsius
Sensor Signal Range	Up to 26 feet (8 meters)
UPC	738920150511

Feature	Detail
ASIN	B0728B7K88

8. Warranty and Support

For warranty information, technical assistance, or customer support regarding your HUAHAT U912 TPMS, please refer to the documentation included with your product packaging or contact the manufacturer directly. It is recommended to retain your purchase receipt for any warranty claims.

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Question

Example: How do I reset this device or fix this error?

Details

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