

OPERATION MANUAL OF TPMS SENSOR

MODEL: S8.21

Thank you for choosing our TPMS. This guide instructs the technician how to properly mount and dismount a Baolong Huf TPMS sensor.

Introduction of S8.21

S8.21 is the transmitting module in TPMS.

working frequency : 433.92MHz;

Receiver Low frequency: 125KHz;

transmitting power: $\geq -60\text{dBm}$ @3m

supply: Battery;

Radio frequency encoding mode : FSK modulation and Manchester encoding mode;

Antenna type: Monopole antenna;

Antenna Gain: -25dBi;

The communication mode between receiving module is RF wireless communication. The module detects pressure and temperature inner the tire periodically and sends these information via RF output circuit to the receiving module. One can manually detect data inner tire by LF wake-up tools. Install it on the rim together with cycle valve.

PART ONE MOUNTING AND DISMOUNTING OF TRANSMITTER

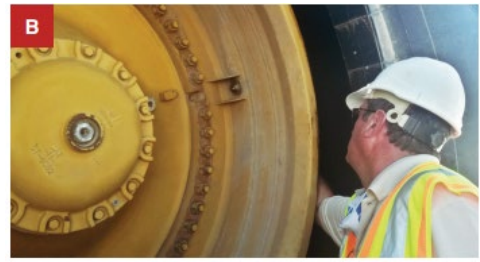
1. Mounting of Transmitter

1.1 Ensure the rim is clean

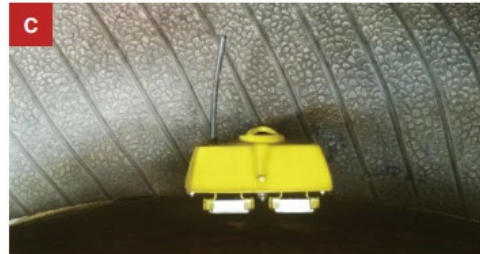
1.2 Position the tire approximately $\frac{3}{4}$ of the way onto the rim allowing enough room to place the sensor on the recessed portion of the rim, either to the left or right of the valve stem. (Figure A)



1.3 Once the tire has been positioned and “blocked,” carefully place the sensor on the rim base. (Figure B)



1.4 When positioning the sensor watch for pinch points between the magnets and the rim base surface. Valor uses extremely powerful magnets to hold the sensor to the rim. (Figure C)



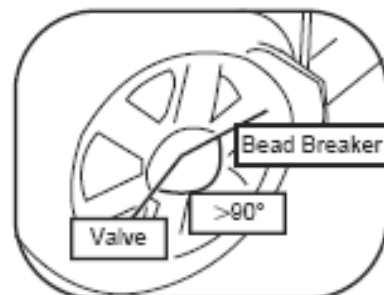
1.5 If you are unable to position the sensor in the center of the rim, use a non-metal extension to push the sensor further toward the center. **Note:** the sensor does not need to be in the center of the rim, but simply clear of any rim components such as the side or bead seat ring.

1.6 Complete reassembly of tire and rim. Inflate to manufacturers recommended cold inflation pressure. (Figure D)

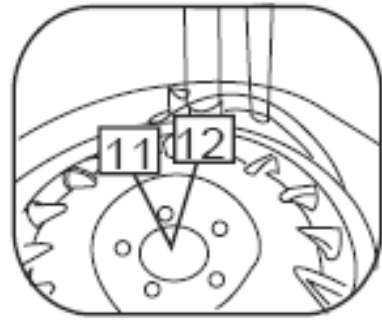


2. Dismounting of Transmitter

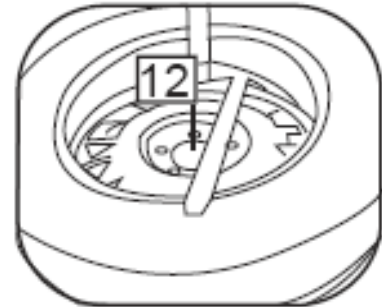
2.1 Deflate the tyre and remove the wheel weights from the rim. Push the tyre bead away from the rim. Make sure to always set the bead breaker at least 90 degrees from the valve stem to avoid damaging the electronic module.



2.2 Firmly fix the wheel on the turntable clamps. (If the mounting head of the tyre changer is positioned at 12 o'clock, then the valves stem should be at the 11 o'clock position.) Apply lubricant to both tyre bead and rim, and then remove the upper tyre bead.



2.3 Use the same procedure to dismount the lower tyre bead. (If the mounting head of the tyre changer is at the 12 o'clock position, then the valves stem should also be at the 12 o'clock position.)



2.4 Final inspection: Visually inspect the rim, valve stem and electronic module to ensure no damage has occurred.

PART TWO FCC's Authentication Announcements

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

PART THREE IC's Authentication Announcements

CAN ICES-3(B)/NMB-3(B)

PART FOUR WARRANTY

This warranty covers substantial manufacturer's defects in workmanship and materials. It does not cover any unit that is damaged beyond normal use, not properly installed, subject to chemical contact, or other acts not sanctioned by the Owner's Manual.

All components are covered for one year following the date of purchase. If the warranty period specified in local law exceeds the period provided by Baolong Huf, the former will supersede the latter.

The warranty will be honored by any authorized Baolong Huf dealer. The owner is required to provide date of proof of purchase. The authorized dealer will determine if there is a warranty condition associated with materials and/or manufacturing workmanship. If a warranty condition exists, the component will be replaced free of charge and shipping prepaid. The owner is responsible for any labor and installation charges.

The warranty does not include any further obligation whatsoever, including but not limited to actual installation of the replacement unit on the customer's vehicle.

All other Warranties, expressed or implied, are disclaimed. All collateral agreements, which purport to modify this limited warranty, are of no effect. The absolute limit of liability is the purchase price of the unit.

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the RED Directive 2014/53/EU, the RoHS Directive 2011/65/EU.

EU Conformity Statement



This product is marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU.

RF Exposure Information

This device has been tested and meets applicable limits for Radio Frequency (RF) exposure.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.

IC Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Baolong Huf Shanghai Electronics Co.,Ltd. is not liable for any direct, consequential, indirect or punitive damages of any kind.



Hereby, Baolong Huf Shanghai Electronics Co., Ltd. declares that the radio equipment type TMSS6A4 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.intellisens.com/downloads>

Frequency band: 433.92 MHz

Maximum Transmit Power: < 10 mW

Manufacturer:

Baolong Huf Shanghai Electronics Co., Ltd., 1st Floor, Building 5, 5500 Shenzhuan Rd, Songjiang Shanghai, China

Importer:

Huf Baolong Electronics Bretten GmbH

Gewerbestraße 40

D-75015 Bretten

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