

Installation and Operating Instructions

for

Tire Pressure Monitoring System

Model No. : TX014

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1. System Introduction

- (1) TX014 is a wireless tire pressure monitoring system with sensors and transmitters mounted in each tire and set by LF Controller. Highly accurate sensors collect tire pressure and temperature data which is transmitted to a Digital Display Receiver.
- (2) The System monitors the tire data with a LCD display which informs the driver of the condition of the tires while driving. The Digital Receiver will immediately alert with a beeping sound, a bright yellow LED and the backlight of the LCD when tire pressure and/or temperature are outside of factory-preset critical limits. The wireless tire pressure monitoring system will alert the driver to the unsafe tire or temperature condition and thereby reduce the possibility of an accident.

2. Safety Features

- (1) The System is designed to measure and display active data, i.e. pressure and temperature, in tires, and provides a warning when the System detects tire pressure and/or temperature is above or below preset critical limits. It is the driver's responsibility to react to a warning. Abnormal tire pressure and temperature must be checked and brought back to within the preset safe limits to avoid dangerous driving conditions.
- (2) This product must be properly installed and programmed by qualified personnel according to this User Manual.

3. Applicable Vehicles

This system is suitable for use on passenger cars and trucks of 4 wheels.

4. Operation and Installation of Wireless Tire Pressure Monitoring System

4.1 Installation and mounting of transmitter Caution :

The transmitter devices should be installed by qualified technician. The following installation procedures must be followed. This will ensure that the transmitters are properly installed and undamaged.

Some tools and instructions referenced in this user's manual are only available and tire outlets and are not available to the consumer .

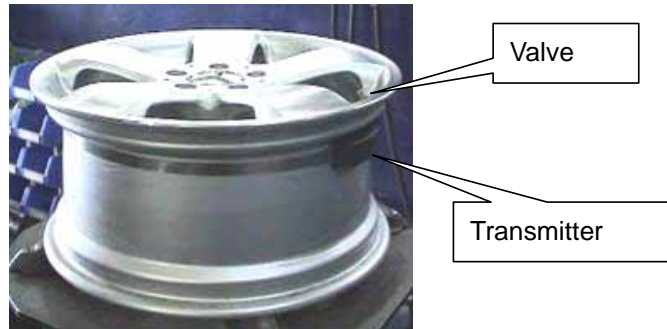
Tools Required :

- (1) Tire Changing Equipment.
- (2) Tire Balancing Equipment.
- (3) Metal Cutter.
- (4) Torque Wrench.

Mounting the Tire with Transmitter on Wheel Rim

1. Fasten Transmitter on the Wheel Rim

- 1st. Pass Clamping Strap through Transmitter.
- 2nd. Position the Transmitter in the lowest area of the concave center well near the valve.



Note : It is recommended that the location of each transmitter be recorded to avoid possible damage when tires need to be removed.

- 3rd. Attach the Clamping Strap end to the clamp by advancing the Worm Gear Clamp with a socket driver or screwdriver ; tighten the Clamping Strap until secured..

Note : Position Worm Gear Clamp opposite to Transmitter for better tire rebalancing.

- 4th. Cut excess Clamping Strap off to approximately one inch (25mm) from Worm Gear Clamp with a Cutter ; remove burrs from Clamping Strap end.



Valve



Position Worm Gear
Clamp Opposite to
Transmitter

2. Assemble Tire

1st. Place tire under Transmitter as shown below.

Valve



Place Tire
Changing
Machine's Lever to
the Opposite Side
of Valve

2nd. Use auto-install machine to install the lower-side of tire onto rim.

Valve



Turn in This
Direction Slowly

3rd. Place the upper-side of tire onto rim.

Notice : turn slowly by machine to force down the wall of tire.



4th. Install whole tire to the wheel.



4.2 Removing tire with the transmitter Inside

Caution: :

The transmitter devices should be removed by a qualified technician. The removal directions must be followed to ensure that the transmitters are undamaged.

1. Remove Valve Cap and Deflate Air Completely

Screw valve cap out of valve and let air discharge completely ; remove balancing weight/s ; press tire off the safety shoulder inside and outside.





Caution: In order not to damage the transmitter , Tire Level should be placed in the opposite side of valve.

2. Removing the tire from the rim

1st. Place tire onto the installation machine ; rub soapy water onto tire bead and rim lip.



2nd. Place the machine Tire Lever on the tire bead and lift tire bead with a manual Tire Lever over the installation head and pull tire away.





3rd. Utilize Manual Tire Lever , simultaneously with Tire Changing Machine's Lever , to pull the lower tire bead away from upper side of wheel.



4th. Remove the Transmitter from the rim.

5. Limit Warranty

Mobiletron, hereby warrants that this Mobiletron wireless tire pressure monitoring system shall be free from material defects in workmanship and/or materials until the expiry of twelve months from its purchase by the end user, EXCEPT WHERE any such defect has been caused by: Improper or non-normal use, Improper installation, contacts with any corrosive or otherwise harmful substance, any other acts or omission not sanctioned by the User Manual.

- Mobiletron's sole obligation shall be to repair or replace the defective product at no charge to the original owner.
- Mobiletron cautions the user or driver of the driving safety by the limited warning signal range, and does not protect or take the responsibility of the user's or driver's safety directly.
- In no event will Mobiletron be liable for any direct, indirect, special, incidental or consequential damage, including loss of profit, loss of savings, or any other damages caused by this product, or its documentation, or failure of the product to perform, even if Mobiletron has been advised of the possibility of such damages.

5.1 Warranty Service

- (1) The above warranty will be honored by the retailer from which it was purchased, provided that the owner can provide dated proof of purchase.
- (2) In the event that any defect in the unit is covered by the above warranty, Mobiletron will replace the affected components free of charge, shipping prepaid. The owner shall be responsible for any labor and installation costs incurred in removing the defective parts and/or installing the replacement.
- (3) The retailer shall at Mobiletron' cost send any unit which is defective as described in the above warranty to Mobiletron at No.39, Sec 3, Chung-Ching Rd., Ta-Ya, Taichung Hsien, Taiwan 428.

5.2 This Limited Warranty Provided by Mobiletron Does Not Cover

- (1) Products that have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not authorized by Mobiletron.
- (2) Damage that occurs in shipment or due to an act of God.

6. Technical Specifications--Transmitter

Description	Value	Accuracy	Units
Pressure Range	0 ~ 80	+/- 1	PSI
Rated Pressure	240	-	PSI
Operating Temperature	-40 ~ +125	+/- 2	
	-40 ~ +257	+/- 3	
Operating Humidity	0 ~ 100	-	%

6.1 Radio Frequency Transmitter

Description	Value	Units
Central Frequency	433.92	MHz

6.2 General Specification

Description	Value	Units
Sensor Sampling Rate	4	Second
Weight	38	Gram

6.3 Power

Description	Type	Value	Units
Power Source	Lithium Battery	3.6	Vdc
Battery Life	-	7years or Over 2,000,000 km	Year or km

6.4 LF Controller

Description	Type	Value	Units
LF Setting	125	-	KHz

Manufacturer: Moniletron Electronic ,Inc.
Address: No.39, Sec 3, Chung-Ching Rd., Ta-Ya, Fax: +886-4-25673069
Taichung Hsien, Taiwan 428
Web Site: <http://www.more.com.tw>

1. The 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.

2. FCC RF Radiation Exposure Statement: The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

3. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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