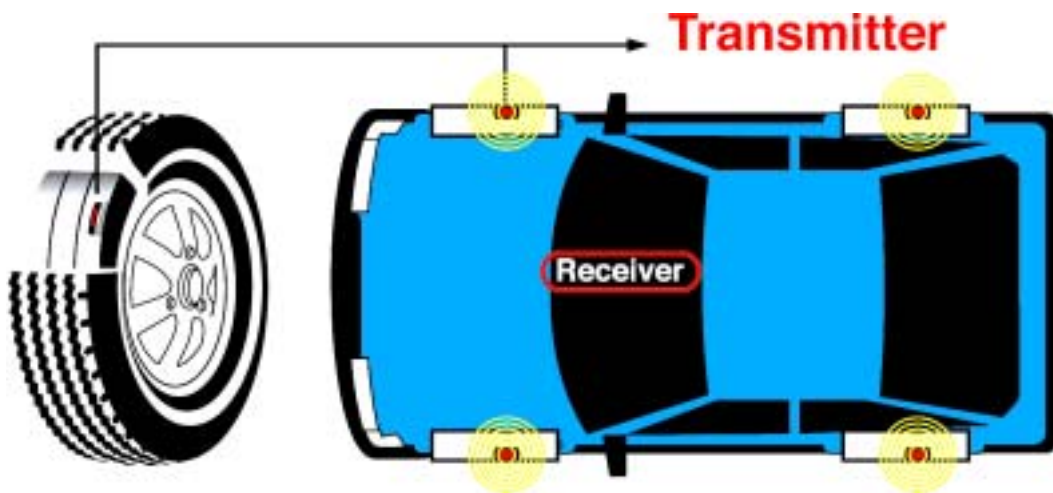


Installation and Operating Instructions

for

Tire Pressure Monitoring System

Model No. : TPV03



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1. System Introduction

- (1) TPV03 is a wireless tire pressure monitoring system with sensor/transmitter mounted on each wheel plus a set of Receiver with Display placed in driver's cabin. Highly accurate sensors collect tire pressure and temperature data then transmitted by wireless radio to Digital Receiver.
- (2) The System monitors the data of tires with LCD digital display thus driver can be well-informed with most updating data of tires while driving. The Digital Receiver will alert immediately with beeps, bright yellow LED and backlight of LCD while pressure and/or temperature are/is out of factory-preset critical limits. Therefore, the product can alert the driver to the abnormal condition of tire pressure and/ or tire temperature, and it will reduce the possible danger caused by abnormal tire pressure and tire temperature.



2. Safety Notices

- (1) The System is designed to measure and display the active data, i.e. pressure and temperature, in tires, and provides the alert or warning when the System detects the pressure or/and the temperature of tires is/are out of threshold setting. The driver shall have the responsibility to react with attentiveness to the alert or warning. Abnormal tire pressure and temperature should be checked and they should be recovered to the normal values ASAP to avoid danger.
- (2) This product has to be properly installed and programmed by qualified personnel according to this User Manual.

3. Applicable Vehicles

This system is suitable for all kinds of 4-wheel vehicles less than 4500 kgs (10000 pounds).

4. System Package Content


(1) Digital Receiver: 1 Unit	(2) Cooling Vent Holder: 1 set (inc. two Fixing slices)
	
(3) Antenna: 1 Unit	(4) DC Power Cable: 1 Unit


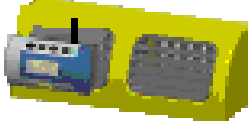

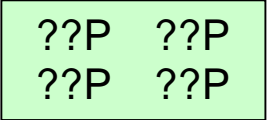
	
(5) Transmitter: 4 Units	(6) Installation Parts for Transmitter (Nut, Core and Washer – each 4 pcs)
	
(7) TX rubber ring A : 4 pc	(8) TX rubber ring B : 4 pc
	
(7) User Manual: 1 pc	
	

5. Operation and Installation of Wireless Tire Pressure Monitoring System

5.1 Installation and Demounting of Digital Receiver

5.1.1 Utilize the Cooling Vent Holder to fasten the Digital Receiver onto the Air Outlet in driver's cabin

<p>(1) Fasten the Cooling Vent Holder onto the backside of the Digital Receiver.</p>	
---	---

<p>(2) Screw the Antenna into the Digital Receiver.</p>	
<p>(3) Fasten the Digital Receiver with the Cooling Vent Holder onto the Air Outlet in the front seat.</p>	
<p>(4) Plug the DC Power Cable into the Vehicle Cigarette Lighter Socket and Digital Receiver Power Jack.</p>	
<p>(5) Turn on the Vehicle Power and confirm if the LCD Display shows 4 “??P”.</p>	

5.1.2 Replace Mounted-on-Air-Outlet Digital Receiver

- (1) Disconnect Digital Receiver from Vehicle Cigarette Lighter Socket, pay attention to the hanging way of the Cooling Vent Holder, then take the Digital Receiver from the air outlet in the front seat carefully.
- (2) Follow procedures 7.1 (1), (2), (3), (4), (5) to install a new Digital Receiver.

5.2 Installation and Demounting of Transmitter

Caution:

The product should be installed by qualified technicians. The technicians need to follow the installation procedures, making sure that the transmitters are properly installed and undamaged.

The tools and instruction in this user manual are used by technicians from vehicle manufacturer or garage. It is suggested that general consumer cooperates with the responsible people from the purchasing place or the authorized installation garage; general consumer should get professional training, then he just could install the product by himself. Otherwise, Mobiletron, will not

offer any warranty if he installs the product by himself.

Tools Required :

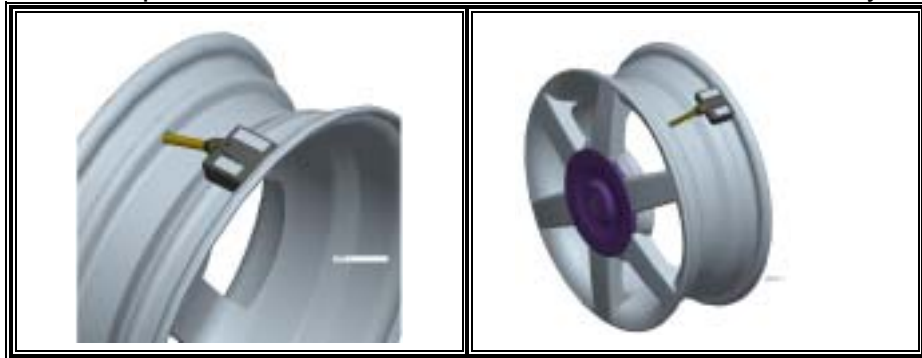
- Tire Changing Equipment
- Tire Balancing Equipment
- Torque Wrench

5.2.1 Mounting the Tire with Transmitter on Wheel Rim

Notes :

Pair Valve Tag that has the same color as the color of text on ID Number Label of Transmitter for the identical tire as indicated in below brackets.

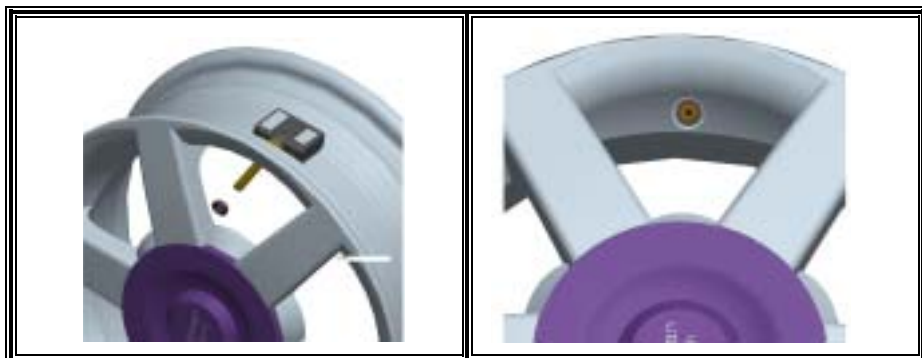
- (1) Prepare the Transmitter to pass through the valve hole which is positioned on the steel, aluminum or aluminum alloy wheel rim.



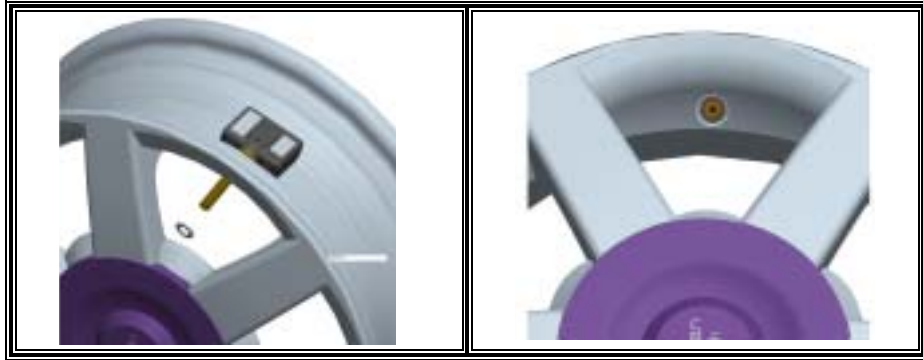
- (2) Pass the Transmitter through the valve hole and the rubber circle will push up the inside of the valve.



- (3) Attach the **Rubber Ring B** that is the spare part of Transmitter from the outside of the wheel rim onto the valve hole.

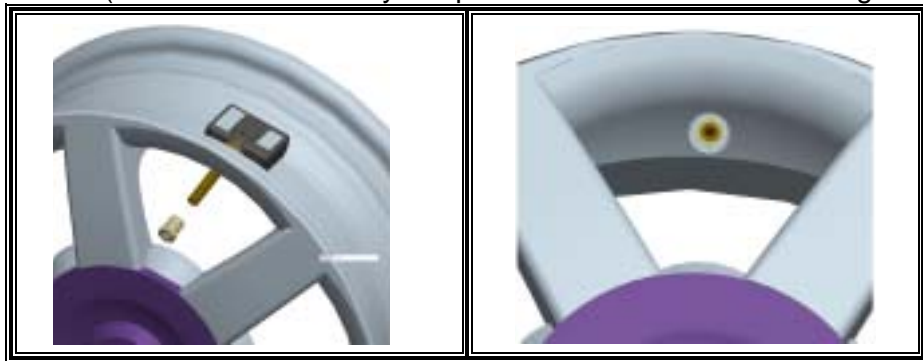


- (4) Attach the **Washer** that is the spare part of Transmitter from the outside of the wheel rim onto the valve hole.



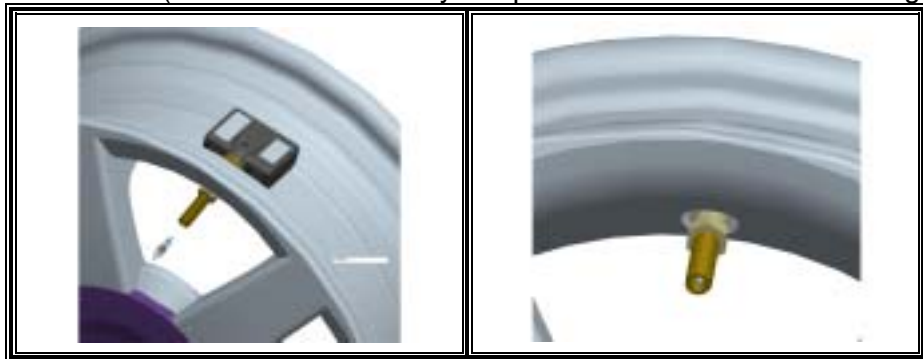
- (5) Attach the **Core** that is the spare part of Transmitter from the outside of the wheel rim onto the valve hole.

(=> Recommendatory Torque to attach the Core: 2~3.2 Kgf.cm)



- (6) Attach the **Nut** that is the spare part of the Transmitter from the outside of the wheel rim onto the valve hole.

(=> Recommendatory Torque to attach the Nut: 35~45 Kgf.cm)



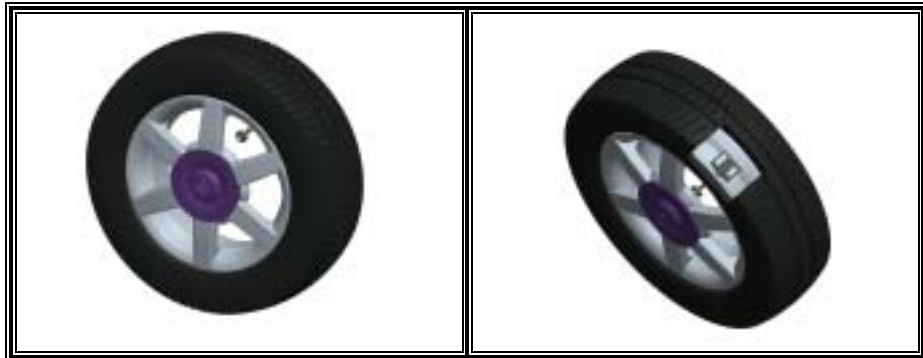
- (6) Install the tire with the standard installation equipment, and installation procedures could be proceeded by the technicians from the purchasing place or the authorized installation ort.



(7) Install the external antenna into the transmitter valve as the following pictures.



(8) Finalize the installation of the Transmitter.

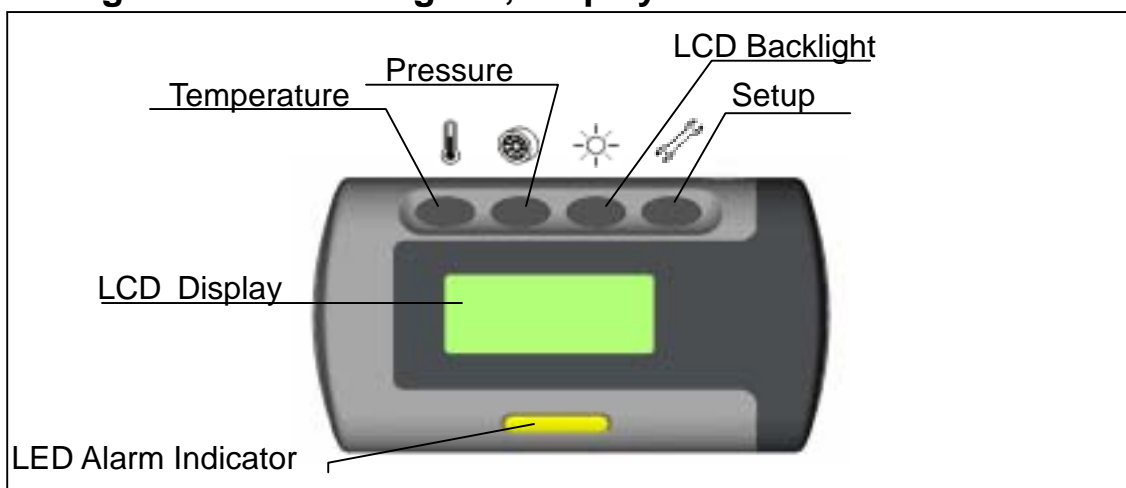


5.2.2 De-Mounting Tire with Transmitter Inside











Please demount the product with standard demounting equipment, and demounting procedures could be proceeded by the technicians from our appointed vehicle manufacturer or garage. In addition, we would like to suggest general consumer should cooperate with the seller or the responsible people from authorized garage, if he wants to demount the product by himself, and it is a must that he has gotten the professional training in advance. If general consumer without authorization and damage the product, we will not warrant any replacement or limit warranty.

6. Digital Receiver Function Description

6.1 Digital Receiver Diagram, Display Control and Indicators




6.2 Digital Receiver Button Function Description

	(1) Temperature Button	Display temperature of tires after press button  . <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; display: inline-block;"> 35C 35C 36C 36C </div>
	(2) (Downward Button)	In “ General Set Up Mode ”, acts as downward button to select function and number.
	(3) Counter-clockwise Button	In “ Special Set Up Mode ”, acts as counterclockwise button to select tire for programming.
	(1) Pressure Button	Display pressure of tires after pressing button  . <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; display: inline-block;"> 31P 31P 30P 30P </div>
	(2) (Upward Button)	In “ General Set Up Mode ”, acts as upward button to select function and number.
	(3) Clockwise Button	In “ Special Set Up Mode ”, acts as clockwise button to select tire for programming.
	(1) LCD Display Backlight Button	Press button  to turn on backlight of LCD Display. <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; display: inline-block;"> 31P 31P 30P 30P </div>
	(2) Confirmation Button	In set up mode, button  acts as confirmation button.
	3). Puncture Warning	When the drop rate of tire pressure higher than 0.3PSI / sec(or 2PSI / min), the transmitter will immediately warn the users, and the receiver’s LCD will show the glitter and the tire pressure” !!!” <div style="border: 1px solid black; background-color: #ffff00; padding: 5px; display: inline-block;"> 31P !!! 30P 30P </div>
	(1) Set Up Button	Press button  to enter into “ General Setup Mode ”. <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; display: inline-block;"> Pressure Warning </div>
	(2) Exit Set Up Mode	Press button  again to exit “Setup Mode”.

Note : Value shown above is for reference only.


7. Alarms and Warnings

7.1 Pressure Threshold Alarm and Warning

<p>a. 9.1.1 Tire pressure lower than Manual Pressure Threshold Setting : A Low Pressure Warning is initiated when the pressure drops below the programmed Pressure Threshold Setting Limit.</p> <p>1. Warning Actions Include :</p> <ol style="list-style-type: none"> 1st. LED Alarming Indicator blinks once. 2nd. An short audio alarm. <p>2. Suggested Action to Warning :</p> <ol style="list-style-type: none"> 1 st. When the warning occurs, reduce speed and proceed to a safe location to check tires. 	<p>Should Programming Manual Threshold Setting Limit are 25psi and 75 respectively while factory-preset value are 23psi and 85 :</p> <p>1.LCD Display will remain normal when measured pressure is 24psi.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; width: fit-content; margin: 10px auto;"> <table style="border: none;"> <tr> <td style="padding: 2px 10px;">30P</td> <td style="padding: 2px 10px;">32P</td> </tr> <tr> <td style="padding: 2px 10px;">32P</td> <td style="padding: 2px 10px;">24P</td> </tr> </table> </div>	30P	32P	32P	24P
30P	32P				
32P	24P				
<p>b. Tire pressure drops below Factory-Preset Pressure Threshold Setting : A Low Pressure Alarm is initiated when the pressure drops below Factory-Preset Threshold Setting Limit , i.e. 23psi.</p> <p>c. Alarm Actions Include :</p> <ol style="list-style-type: none"> 1. Affected tire/s with its corresponding Pressure digit/s kept on flashing. 2. An long audio alarm. 3. LCD Display Backlight remains on ; LED Alarming Indicator remains on. <p>d. Cancel Alarm Temporarily :</p> <ol style="list-style-type: none"> 1. Proceed "Reset" as depicted on "General Set Up Mode" Section c. <p>e. Suggested Action to Alarm :</p> <ol style="list-style-type: none"> 1. When the alarm occurs , reduce speed and proceed to a safe location to check tires. <p>Note : The Pressure Deviation Alarm will disappear when the tires are properly re-inflated to correct levels.</p>	<div style="border: 1px solid black; background-color: #ffff00; padding: 5px; width: fit-content; margin: 10px auto;"> <table style="border: none;"> <tr> <td style="padding: 2px 10px;">31P</td> <td style="padding: 2px 10px;">!20P</td> </tr> <tr> <td style="padding: 2px 10px;">30P</td> <td style="padding: 2px 10px;">30P</td> </tr> </table> </div> <div style="text-align: center; margin-top: 10px;">  </div>	31P	!20P	30P	30P
31P	!20P				
30P	30P				

Note: Value shown above is for reference only.

7.2 Temperature Threshold Alarm and Warning








<p>7.2.1 Tire Temperature higher than Manual Temperature Threshold Setting :</p> <p>A High Temperature Warning is initiated when tire Temperature rises above the programmed Temperature Threshold Setting Limit.</p> <ol style="list-style-type: none"> Warning Actions Include: <ol style="list-style-type: none"> 1st. LED Alarming Indicator blinks once. 2nd. An short audio alarm. Suggested Action to warning : When the warning occurs , reduce speed and proceed to a safe location to check tires. 	<p>Should Programming Manual Threshold Setting Limit are 25psi and 75 respectively while factory-preset value are 23psi and 85 :</p> <p>1.LCD Display will remain normal when measured temperature is between 76 to 84 °.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; width: fit-content; margin: 10px auto;"> <table style="border: none;"> <tr> <td style="padding: 2px 10px;">82C</td> <td style="padding: 2px 10px;">50C</td> </tr> <tr> <td style="padding: 2px 10px;">45C</td> <td style="padding: 2px 10px;">46C</td> </tr> </table> </div>	82C	50C	45C	46C
82C	50C				
45C	46C				
<p>7.2.2 Tire Temperature higher than Factory-Preset Temperature Threshold Setting :</p> <p>A High Temperature Alarm is initiated when tire Temperature rises above the Factory-Preset Temperature Threshold Setting Limit , i.e. 85 °.</p> <ol style="list-style-type: none"> Alarm Actions Include: <ol style="list-style-type: none"> 1st. Affected tire/s with its corresponding Temperature digit/s kept on flashing. 2nd. An long audio alarm. 3rd. LCD Display Backlight remains on ; LED Alarming Indicator remains on. Cancel Alarm Temporarily : <ol style="list-style-type: none"> 1st. Proceed “Reset” as depicted on “General Set Up Mode” Section c. Suggested Action to Alarm : When the alarm occurs , reduce speed and proceed to a safe location to check tires. 	<div style="border: 1px solid black; background-color: #ffff00; padding: 5px; width: fit-content; margin: 10px auto;"> <table style="border: none;"> <tr> <td style="padding: 2px 10px;">!86C</td> <td style="padding: 2px 10px;">66C</td> </tr> <tr> <td style="padding: 2px 10px;">50C</td> <td style="padding: 2px 10px;">55C</td> </tr> </table> </div> <div style="text-align: center; margin-top: 20px;">  </div>	!86C	66C	50C	55C
!86C	66C				
50C	55C				

Note : Value shown above is for reference only.








8. General Set Up Mode

8.1 Manual Pressure Threshold Setting








8.1.1 Manual Low Pressure Threshold Setting

<p>1. Press  button for more than 2 second to go into “General Set Up Mode”.</p>	<p>2. Use  button (act as downward button) and  button (act as upward button) to select “Pressure Warning” setting.</p>
<p>3. LCD Display will show :</p> <div data-bbox="284 367 576 512" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center;"> <p>Low Pressure Warning</p> </div>	<p>4. Use  button (act as downward button) and  button (act as upward button) to select a number as Pressure Threshold.</p> <div data-bbox="938 495 1252 584" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center;"> <p>26 PSI</p> </div>
<p>5. Press  button to conform setup value.</p>	<p>6. Press  button again to exit “General Set Up Mode”.</p>





8.1.2 Manual High Pressure Threshold Setting

<p>1. Press  button for more than 2 second to go into “General Set Up Mode”.</p>	<p>2. Use  button (act as downward button) and  button (act as upward button) to select “Pressure Warning” setting.</p>
<p>3. LCD Display will show :</p> <div data-bbox="284 1052 576 1198" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center;"> <p>High Pressure Warning</p> </div>	<p>4. Use  button (act as downward button) and  button (act as upward button) to select a number as Pressure Threshold.</p> <div data-bbox="938 1180 1252 1270" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center;"> <p>26 PSI</p> </div>
<p>5. Press  button to conform setup value.</p>	<p>6. Press  button again to exit “General Set Up Mode”.</p>

8.2 Manual Temperature Threshold Setting






<p>1. Press  button for more than 2 second to go into “General Set Up Mode”.</p>	<p>2. Use  button (act as downward button) and  button (act as upward button) to select “Temp. Warning” setting.</p>
<p>3. LCD Display will show :</p> <div data-bbox="284 1783 552 1906" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center;"> <p>Temp. Warning</p> </div>	<p>4. Use  button (act as downward button) and  button (act as upward button) to select a number as Temperature Threshold.</p> <div data-bbox="927 1919 1241 2000" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center;"> <p>76</p> </div>
<p>5. Press  button to conform setup value.</p>	<p>6. Press  button again to exit “General Set Up Mode”.</p>

8.3 Reset : (Reset pressure and temperature to zero. Furthermore, proceed this procedure can cancel alarm status temporarily.)





<p>(1) Press  button for more than 0.5 second to go into “General Set Up Mode”.</p>	<p>(2) Use  button (acts as downward button) and  button (acts as upward button) to select “Reset” setting.</p> <div data-bbox="938 421 1182 501" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;">Reset</div>
<p>(3) Press  button to confirm.</p> <div data-bbox="293 622 608 689" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;">ok</div>	<p>(4) All previous pressure and temperature figures will be reset to zero.</p>

8.4 Restore Factory-Preset Value

Note: Factory-Preset Pressure Threshold Value=23ps, Factory-Preset Temperature Threshold Value=85)

<p>(1) Press  button for more than 0.5 second to go into “General Set Up Mode”.</p>	<p>(2) Use  button (acts as downward button) and  button (acts as upward button) to select “Default” setting.</p> <div data-bbox="946 1095 1260 1176" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;">Default</div>
<p>(3) LCD Display will show last Manual Threshold Setting Value (Pre = Pressure, Temp = Temperature).</p> <div data-bbox="280 1344 595 1451" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;">Pre=25 Temp=80</div>	<p>(4) Press  button again to confirm Factory-Preset Threshold Setting.</p> <div data-bbox="957 1296 1272 1417" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;">ok</div>
<p>(5) Press  button will exit “General Set Up Mode” and Threshold will remain as previous Manual Threshold Setting Value.</p>	

8.5 Recall Last Measured Tire Pressure and Temperature Values






<p>1. Press  button for more than 2 second to go into “General Set Up Mode”.</p>	<p>2. Use  button (act as downward button) and  button (act as upward button) to select “Recall” setting ; Press  button to confirm execution of Recall.</p>
--	--

8.6 Transmitter ID Input Via Auto Learning Feature -- “Search Tx”


Note :

1st. This setting is in effect after the Transmitters have been stationary for longer than 10 minutes **and** the vehicle has been accelerated up to the speed of 6 mph (10 kph) to 12 mph (20 kph).

2nd. Transmitter ID Input Via “**Search Tx**” setting for Digital Receiver Module Replacement is only valid for all the transmitters have never been rotated before.

<p>1. Press  button for more than 2 seconds to enter “General Set Up Mode”.</p>	<p>2. Use  button (act as downward button) and  button (act as upward button) to select “Search Tx” setting ; Press  button to confirm.</p>
<p>3. LCD Display will firstly show :</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">Search Tx</p> </div>	<p>4. Secondly , LCD Display will show below picture indicates that it is ready to accept new Transmitter ID input.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">??P ??P ??P ??P</p> </div>
<p>5. If the Digital Receiver accepts those signals of Transmitters , LCD Display will show the pressure/s of Transmitter/s ; Should LCD Display show all pressure values indicating “Search Tx” is completed ;</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">32P 32P 32P 32P</p> </div>	<p>6. If some ID numbers of tires didn't receive , then LCD Display will reserve “???” message respectively.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">32P ??? ??? 32P</p> </div>
<p>7. Should step 6 situation do occur , please wait 7 minutes and proceed above programming procedures again or press  button to cancel.</p>	

8.7 Exit General Set Up Mode







<p>1. Press  button again ; LCD Display will back to initial screen.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">32P 32P 32P 32P</p> </div>
--

Note : Value shown above is for reference only.

9. Special Set Up Mode







9.1 Tire Exchange Mode

9.1.1 Enter into "Special Set Up Mode"

<p>1. Simultaneously press  and  button for more than 2 seconds to enter "Special Set Up Mode".</p>	<p>2. Use  button (act as downward button) and  button (act as upward button) to select "Exchange Location" setting.</p>
<p>3. The LCD Display will show :</p> <div data-bbox="293 510 528 636" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;"> <p>Exchange Location</p> </div>	<p>4. Press  button to accept this special function setting.</p>
<p>5. Press  will EXIT "Special Set Up Mode".</p>	

9.1.2 Update Transmitter ID Accordingly After Tires have been Rotated

This function is used after tires are rotated and the new positions need to be updated.

<p>1. Repeat "a. Enter into Special Set Up Mode" step 1 to 4.</p>	<p>2. Use  button (act as counterclockwise button) and  button (act as clockwise button) to move cursor to mark the tire for Transmitter ID update ; Press  button to confirm.</p> <div data-bbox="911 1303 1177 1420" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;"> <p>00 01 02 03</p> </div>
<p>3. Use  button (act as counterclockwise button) and  button (act as clockwise button) to move cursor to select destination of the marked tire for Transmitter ID update ; Press  button to confirm.</p> <div data-bbox="525 1727 791 1823" style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; text-align: center; margin: 10px auto; width: fit-content;"> <p>00 01 02 03</p> </div>	<p>4. Repeat the programming procedure above until all Transmitter ID data in the Digital Receiver identical to its corresponding tire.</p>

Notes :














- (a) Use Table 1 and Tire Rotation Table (in the **Last Page** of this User's Manual) as reference and modified its corresponding Color and Tire Location accordingly after tire/s has been rotated.

9.3 Transmitter ID Change Mode

Note:

- (1) This Mode is used for Transmitter replacement and the new Transmitter ID need to be inputted.
- (2) Whenever Transmitter/s is/are out of order and call/s for replacement, the defective one/s has to be specified its original color of text on label or its original paired Valve Tag color to ensure the new one/s for replacement is/are of the same color of original one/s, and which with the rest of original Transmitters constitute a set.
- (3) Use Table 1 and Tire Rotation Table (in the **last page** of this User Manual) as reference to ensure Transmitter ID data in the Digital Receiver indicating the correct tire.

9.3.1 Manual Input New ID Number

<p>1. Simultaneously press  and  button for more than 2 seconds to enter “Special Set Up Mode”.</p>	<p>2. Use  button (act as downward button) and  button (act as upward button) to select “New ID Input” setting; Press  button to confirm.</p>
<p>3. LCD Display will show :</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">New ID Input</p> </div>	<p>4. Use  button (act as counterclockwise button) and  button (act as clockwise button) to move cursor to mark tire for Transmitter ID input ; Press  button to confirm.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">00 01 02 03</p> </div>
<p>5. Use  button (act as downward button) and  button (act as upward button) to select a number ; Press  button to confirm ; Press  button to former manual.</p> <p>Note : The input ID number shall show as the one on the label of new Transmitter.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">ID : 5A1B0 001A</p> </div>	<p>6. Double check input ID number to ensure it is identical to that on the Label of new Transmitter ; Press  button to confirm.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 10px; width: fit-content; margin: 10px auto;"> <p style="text-align: center;">OK</p> </div>

9.4 Set Pressure Unit Mode




<p>1. Simultaneously press ☀ and ✎ button for more than 3 seconds to enter “Special Set Up Mode”.</p>	<p>2. Use ↓ button (act as downward button) and ↑ button (act as upward button) to select “Set Pressure Unit” setting.</p>
<p>3. The LCD Display will show :</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Set Pre Unit</p> </div>	<p>4. Press ☀ button to accept this special function setting.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; width: fit-content; margin: 10px auto;"> <p>PSI</p> </div>
<p>5. Use ↓ button (act as downward button) and ↑ button (act as upward button) to select psi,kPa,Bar unit.</p>	<p>6. Press ☀ button to accept this unit setting.or Press ✎ will EXIT “Set Pressure Unit”</p>

9.5 Set Temperature Unit Mode

<p>1. Simultaneously press ☀ and ✎ button for more than 2 seconds to enter “Special Set Up Mode”.</p>	<p>2. Use ↓ button (act as downward button) and ↑ button (act as upward button) to select “Set Temperature Unit” setting.</p>
<p>3. The LCD Display will show :</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Set Temp Unit</p> </div>	<p>4. Press ☀ button to accept this special function setting.</p> <div style="border: 1px solid black; background-color: #e0ffe0; width: 100px; height: 30px; margin: 10px auto;"></div>
<p>5. Use ↓ button (act as downward button) and ↑ button (act as upward button) to select or unit.</p>	<p>6. Press ☀ button to accept this unit setting.or Press ✎ will EXIT “Set Temperature Unit”</p>

9.6 Display Wheel Location Mode

<p>1. Simultaneously press ☀ and ✎ button for more than 2 seconds to enter “Special Set Up Mode”.</p>	<p>2. Use ↓ button (act as downward button) and ↑ button (act as upward button) to select “Display Wheel Location” setting.</p>
<p>3. The LCD Display will show :</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Display Location</p> </div>	<p>4. Press ☀ button to accept this special function setting.</p> <div style="border: 1px solid black; background-color: #e0ffe0; padding: 5px; width: fit-content; margin: 10px auto;"> <p>01* 02* 03* 04*</p> </div>

5. Use  button (act as counterclockwise button) and  button (act as clockwise button) to move cursor to mark Display Wheel Location. Press  button to cancel or set * signal.

01*	02*
03	04

6. Press  will confirm and **come back "Special Set Up Mode"**.

9.7 Exit Special Set Up Mode

Press  button again ; LCD Display will back to initial screen.

32	32
32	32

Note : Value shown is for reference only.

10. 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 warns 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 product, or its documentation, or failure of the product to perform, even if Mobiletron has been advised of the possibility of such damages.

10.1 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.

10.2 This Limited Warranty Provided by Mobiletron Does Not Cover

- (1) Product 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 act of God.

11. Things to Notice

11.1 Temperature Compensated Pressure Readings

- (a) When a tire heats up, caused by long duration of driving or braking, the air pressure inside the tire can also be expected to increase, e.g. tire temperature increases 20 to 30 may lead to 3psi to 6psi pressure increment.

11.2 Never use chemical material to clean Digital Receiver.

11.3 Never take Digital Receiver apart for repair! Whenever there is problem, please contacts dealer for repair or replacement.

11.4 Ensure Digital Receiver w/ Cooling Vent Holder is firmly adhered to the air outlet.

11.5 Check connections of DC Power Cable at both ends should no display on LCD panel.

11.6 After the vehicle starts to move, the tire pressure and temperature couldn't be received on the LCD display of the Digital Receiver, please confirm if the Antenna is loosed; then, please screw Antenna tightly to Digital Receiver.

11.7 Be sure to keep record of the Transmitter ID number for each of the corresponding four tires on the last page. Tire Rotation Table“ (in this user manual). Because next time if the original Transmitter is replaced by a new one, inputting the original Transmitter ID number to the new one should be a must.

12. Component List

Item	Description	Quantity
1	Digital Receiver Module	1 pc
2	Transmitters with external antennas	4 pc
3	Spare Parts of the Transmitter (Cap, Core and Washer – each 4 pcs)	4 set
4	Antenna	1 pc
5	Cooling Vent Holder for the Digital Receiver	1 set
6	DC Power Cable	1 pc
7	TX rubber ring A	4 pc
8	TX rubber ring B	4 pc
9	User Manual	1 pc

13. Technical Specifications

13.1 Transmitter

(1) Operation Condition

Description	Value	Accuracy	Units
Pressure Range	0 ~ 45	+/- 1	PSI
Rated Pressure	90	-	PSI
Operating Temperature	-20 ~ +125	+/- 2	
	-4 ~ +257	+/- 3	
Operating Humidity	0 ~ 100	-	%

(2) Radio Frequency Transmitter

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Units
Weight	30	Gram

(4) Power

Description	Type	Value	Units
Power Source	Lithium Battery	3	Vdc
Battery Life	-	Over10000	Driving Hour

13.2 Digital Receiver

(1) Operation Condition

Description	Value	Units
Operating Temperature	-20 ~ +60	
	-4 ~ +140	
Storage Temperature	-40 ~ +85	
	-40 ~ +185	
Operation Voltage	9 ~ 16	Vdc

(2) Radio Frequency Receiver

Description	Value	Units
Central Frequency	433.92	MHz

(3) Power Consumption

Description	Average	Maximum	Unit
Power Consumption	20	120	mA

14. Tire Rotation Table

Update this Table whenever Tire is Rotated or Transmitter/s is Replaced to ensure Transmitter ID data in the Digital Receiver indicating the correct tire.

Tire Rotation Table

Rotation Date	Tire Location	FL-Left	Front-Right	Rear-Left	Rear-Right
Installation Date	The color of the label on the Transmitter	FL	FR	RL	RR
	Transmitter ID #				
1 st Rotation Date	The color of the label on the Transmitter				
	Transmitter ID #				
2 nd Rotation Date	The color of the label on the Transmitter				
	Transmitter ID #				
3 rd Rotation Date	The color of the label on the Transmitter				
	Transmitter ID #				
4 th Rotation Date	The color of the label on the Transmitter				
	Transmitter ID #				

Remark: For the first installation or the rotation in the future, please keep the position of the tire corresponding with the Transmitter, so the receiving position of the tire can correspond with the tire pressure and tire temperature correctly.

Manufacturer: Moniletron Electronic ,Inc.

Telephone: +886-4-25683366

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