

# TripTek Tire Car Kit Installation Procedure

## ANTENNA INSTALLATION

1. Assemble the antenna. Be sure to install the rubber washer and tighten the assembly using a wrench.



2. Magnetically mount the antenna within the engine compartment, on the centerline of the coach and as high and near to the engine door as possible.



3. Run the cable to the mating connector that is next to the tow plug connection. Utilizing zip ties furnished in kit fasten cable away from muffler and any moving parts.



## SENSOR INSTALLATION

Please read this section carefully and follow each step precisely to ensure that you do not damage a sensor and the sensors are installed in the correct location.

**IMPORTANT!** Write down each sensor number (on the barcode strip, ref. picture) and the wheel location where this sensor will be installed. For your convenience, a table to record this information has been provided on page 15 of the TripTek Tire Operator's Manual.



**Caution:** Qualified personnel must perform the following installation procedures that highlight the steps required to ensure that the sensors are properly installed and undamaged. It does not include any standard procedures normally required in the process of replacing a tire (i.e. lubrication, proper inflation and deflation procedures and any other procedures deemed necessary by the tire manufacturer or dealer).

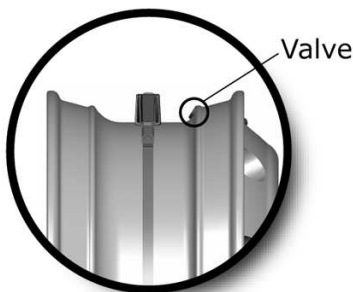
## INSTALLING SENSOR ON A WHEEL

The base of the drop centre well must be flat and wide enough to allow the sensor to contact the rim over its complete width.

1. Pass strap through sensor as shown.
2. Position the strap-mounted sensor at the valve in the lowest point of the drop center well.
3. With the sensor positioned at the valve and the worm-gear positioned 3" away from the sensor, hand tighten the strap just until the sensor can not be moved.

**CAUTION: Do not over tighten!** (Reference Torque = 35 in-lbs / 4 Nm)

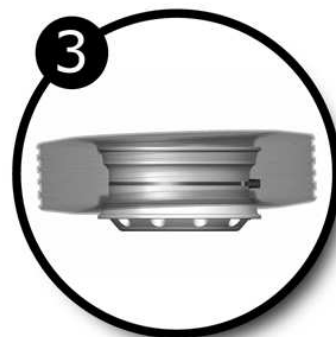
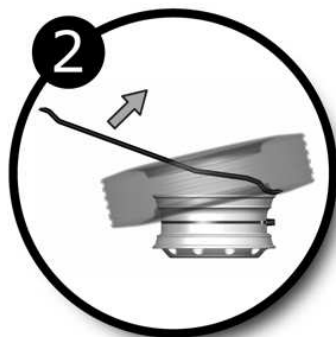
4. Cut off excess strap length to approximately one inch (25mm) from the worm gear.



## MOUNTING TIRE WITH SENSOR ON WHEEL

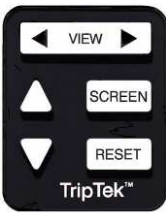
To avoid damaging the sensor, simply mount the tire so that the last part of the bead to slip over the flange happens directly at the sensor.

Start at one end of the tire and work towards the opposite end with the tire oriented so that the beads are first pushed under the rim flange directly opposite the sensor (1) and then worked over the flange towards the sensor (2). The bead will finally slip over the rim flange at the sensor without contacting it (3). Repeat for the bottom bead.



# TripTek Tire Car Kit Programming for Tire Sensors

After installing tire sensors on your vehicle, (NOTE: document the number that is on the sensor to its wheel location) the system must be setup to recognize the tire sensors transmissions.



Turn the ignition switch ON.

Turn the rear vision monitor ON. "CAUTION" screen will be displayed.

Press RESET key to display rear vision picture.

Press the up  $\Delta$  and down  $\nabla$  keys simultaneously to get the second level screens ("SCREEN SELECTION").



Using the up  $\Delta$  or down  $\nabla$  keys move arrow to Configure Tire.

Press VIEW  $\blacktriangleright$  key to display "CONFIG TIRE" screen.



Using the up  $\Delta$  or down  $\nabla$  keys move arrow to Reset Swap Region.

Press VIEW  $\blacktriangleright$  key to display "RESET SWAP REGION" screen.

Press VIEW  $\blacktriangleright$  key clears any tire data not assigned to a vehicle.



Using the up  $\Delta$  or down  $\nabla$  keys move arrow to Add/Edit Vehicle Configuration.

Press VIEW  $\blacktriangleright$  key to display "VEHICLE SELECTION" screen.



Press VIEW key to choose the Tow vehicle to be configured.

Press RESET key to accept and move to "SELECT LAYOUT" screen.



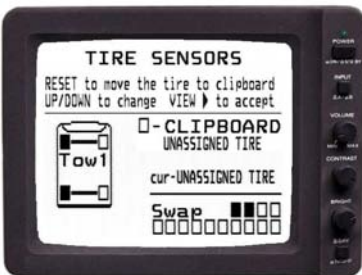
Press the up  $\Delta$  or down  $\nabla$  keys to select vehicle type.

Press VIEW  $\blacktriangleright$  to accept.

Drive vehicle around coach (close) to activate transmission of tire data to system.

Use the up  $\Delta$  or down  $\nabla$  key to move cursor (flashing tire) to the SWAP region. A filled in tire  $\blacksquare$  designates a transmitted tire in the systems memory. The cursor (flashing tire) on a filled in tire will show that sensor number above the SWAP region. There can be more tires filled in the SWAP area than what you have because of other vehicles sensors in the area.

After verifying that all wheel sensors have been received, start transferring tires within SWAP region to appropriate wheel location. If an installed transmitter on the vehicle is not displayed within the SWAP region return to car and drive again around the coach.



With up  $\Delta$  or down  $\nabla$  key move cursor within SWAP area to choose one of your documented tire sensors. The selected tire will be blinking.

Press RESET to move chosen sensor from SWAP region to the CLIPBOARD

With up  $\Delta$  or down  $\nabla$  key move cursor to tire location on vehicle that matches the tire sensor chosen.

Press RESET to move wheel sensor from CLIPBOARD to chosen tire on vehicle.

Continue on with this process until all wheel sensors that are mounted on this vehicle have been transferred from the SWAP region to the appropriate on-screen tire location.

After all wheel sensors have been successfully transferred to the appropriate tire on the displayed vehicle, all tires filled, press the VIEW  $\blacktriangleright$  key to accept and save the settings.

To program additional vehicles, trailers etc., follow Programming for Tire Sensors for each additional vehicle.

# Programming Tire Warning Setup Screens

The TIRE WARNING SETUP screens are used to set parameters for the operation of the tire system. Set all parameters for each vehicle in system. Note: Program tire sensors (ref. Programming for Tire Sensors) before starting this process.



Using the up  $\Delta$  or down  $\nabla$  keys move arrow to Setup Pressure/Temp Alerts.

Press VIEW  $\blacktriangleright$  key to display the next screen.

Note: The “VEHICLE SELECTION” screen will only be displayed if there is more than one vehicle programmed.



Press VIEW  $\blacktriangleright$  key to select vehicle for programming.

Press RESET key to accept.



Press SCREEN key to select parameter:

- Cold Inflation PSI
- High Temperature Alert
- Low Pressure Alert
- Pressure Deviation Alert
- Slope

## Cold Inflation Pressure

This function changes the cold inflation pressure for each axle. Cold inflation pressure is the recommended tire pressure at 65°F.

Factory default, 30 PSI.

### Programming Steps:

Press SCREEN key to select “COLD INFLATION PRESSURE” screen.

Press VIEW key to scroll to the desired axle. The tires of the selected axle are filled in.

Press the up  $\Delta$  or down  $\nabla$  key to change the value.

Repeat the last two program steps until Cold Inflation Pressure levels are set for all axles as desired.

Press SCREEN key to select next parameter  
or

Press RESET to accept and exit.

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# High Temperature Alert

This function changes the high-temperature alert threshold.

Note: These values have been selected based on tire manufactures recommendations and user should only change them to match more up to date manufactures recommendations or to gain more margin in the temperature alert.

# Low Pressure Alert

This function changes the low-pressure alert threshold for each axle.

Factory default, 25 PSI.

Set at 5 PSI below Cold Inflation Pressure for low pressure tires and 10 PSI for tires above 80 PSI.



Programming Steps:

Press SCREEN key to select “LOW PRESSURE ALERT” screen.

Press VIEW key to scroll to the desired axle. The tires of the selected axle are filled in.

Press the up  $\Delta$  or down  $\nabla$  key to change the value.

Repeat the last two program steps until Low Pressure Alert levels are set for all axles as desired.

Press SCREEN key to select next parameter  
or  
Press RESET to accept and exit.

# Pressure Deviation Alert

This function sets the pressure deviation alert threshold for each axle.

Factory default,  $\pm 7$  PSI. Use  $\pm 10$  PSI for high pressure tires (above 80 PSI).

Programming Steps:

Press SCREEN key to select “DEVIATION ALERT” screen.

Press VIEW key to scroll to the desired axle. The tires of the selected axle are filled in.

Press the up  $\Delta$  or down  $\nabla$  key to change the value.

Repeat the last two program steps until Pressure Deviation Alert levels are set for all axles as desired.

Press SCREEN key to select next parameter.  
or  
Press RESET to accept and exit.

