

AIRBAT | RF[®]

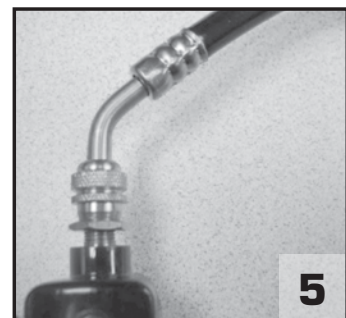
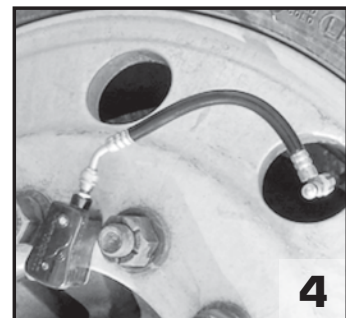
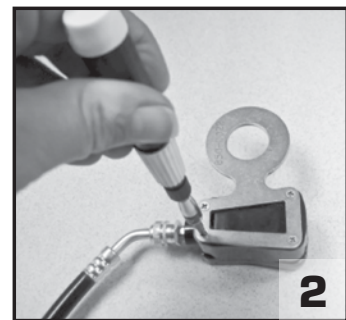
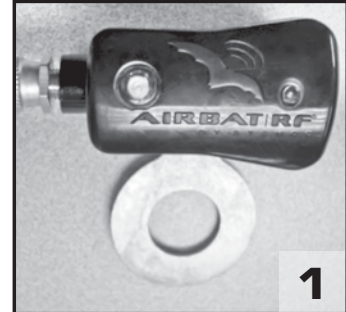
B Y S T E M C O

Installation Instructions for AirBAT SST[®] RF – Single, Steer, and Tag Axle Tire Applications

English

WARNING! Always use appropriate personal protective equipment (PPE) during the installation and maintenance of the sensors and or related systems on a vehicle. If you have questions regarding which PPE are appropriate, please consult **OSHA 3151-12R 2003** to determine appropriate equipment.

1. Choose the correct bracket for the application. Brackets are available for steer tires, drive axles and a variety of trailer hubs/wheels. *Figure 1* shows a steer tire mounting bracket, hub-pilot wheel.
2. Attach the AirBAT SST to the bracket. Use the screws that are supplied with the AirBAT SST. Tighten the screws with **HAND TOOLS ONLY**. Final setting should be flush with the bottom of the bracket. *See Figure 2.*
3. Make a note of the unique serial number printed on the AirBAT SST label. *See figure 3.* Also note the position on the truck where the AirBAT SST is being installed (Left-Front, Right-Front, etc.). This information will be entered into WebBat at a later time. (For WebBat users only)
4. Hold the bracket, with AirBAT SST attached, near the hub and visually select a mounting stud on the hub so that the AirBAT hose will not be stretched or be too loose, as shown in *Figure 4*. Remove the lug nut and slide the bracket onto the wheel stud. Install and tighten the lug nut to the recommended torque setting.
5. Remove any cap from the wheel's valve stem. Be sure the threads are clean and usable. Restore/replace stem if needed. Connect the AirBAT SST hose to the valve stem and hand tighten the knurled nut to approximately ½ turn past the point where the valve stem contacts the rubber gasket. Use a leak-detect bubble solution to ensure the connections do not leak.
6. Check the tire pressure with the HandBAT reader or a conventional tire gauge. The tire may be filled using the fill/check port on the AirBAT SST. The HandBAT reading should confirm the unit's serial number recorded in step 3. Lastly, remove the cap on the fill port and depress valve core to verify flow, then replace cap.
7. The SST hose is replaceable. Ensure the jam nut on the AirBAT SST body is tight against the fitting to prevent it from coming loose, as shown in *Figure 5*.



USAGE:

If the Red LED on the AirBAT is blinking, it means that the tire's air pressure is AT or BELOW the lower pressure threshold. The threshold is a software function and can be changed with the HandBat reader. There is also a green led that blinks every 5 seconds in the smaller light pipe as an "I'm alive" indicator. The green light can only be seen if the unit is viewed closely without direct sunlight.

RF INTERROGATION:

This unit can be read by the BatRF HandBat reader or Gate Reader System. The AirBat SST broadcasts information (pressure and serial number) approximately every 2.5 seconds. For the Gate Reader System, a loop imbedded in the ground activates the AirBAT SST and prompts it to transmit data. Finally, the BatRF, **Driver Alert System (DAS)** can be used in conjunction with the AirBAT SST tire pressure sensor. All of the above mentioned equipment will operate with both single, dual tire and SST AirBAT tire pressure sensors.

CERTIFICATIONS:

This unit complies with FCC Part 15. 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.

FC FCC ID: SRA-816

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. If not installed and used in accordance with the instructions it 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.

This product meets the applicable Industry Canada technical specifications/Le present materiel est conforme aux specifications techniques applicables d'Industrie Canada. IC:7413A-8150200

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

IMPORTANT NOTES:

This unit contains a Lithium-Thionyl Chloride battery and should be disposed of according to local regulations. The battery contains less than 1 gram of lithium and is therefore classified as a non-hazardous product. Lithium-Thionyl Chloride batteries contain no poisonous materials and do not present environmental hazards when properly disposed of.



STEMCO®

A Higher Standard of Performance.™

an EnPro Industries company

TS 16949

STEMCO, BAT RF, and AirBAT are all registered trademarks of STEMCO LP © 2014 P/N 093300085

STEMCO - USA

P.O. Box 1989
Longview, TX 75606-1989
(903) 758-9981 • 1800-527-8492
FAX: 1-800-874-4297
www.stemco.com

STEMCO - CANADA

5650 Timberlea Blvd. Unit B
Mississauga, ON L4W 4M6
(905) 206-9922 • 877-232-9111
FAX: 877-244-4555