Installation Instructions

for Wireless Sensor Kit X220106

CAUTION

Turn off equipment before inspecting, removing or installing an indicator or sensor.

X220106 Kit Contents		
Qty.	**Part number**	**Description**
1	P290025	Instruction manual
1	X220104	Wireless Air Pressure Sensor ❶
1	P290020	Easy Receiver ❷
1	P290024	Cable ❸
3	P290021	Zip Tie ❹

Application

The Wireless Air Sensor is part of the Donaldson Intelligent Filtration System. The system is intended to be installed on both on-road and off-road equipment requiring predictive air filter maintenance. The Wireless Air Sensor and Easy Receiver are meant to be installed in conjunction with a GEOTAB GO device 7, 8, or 9.

Tools

- 7/16", 1/2", or 5/8" wrench (depends on existing fitting size) — for air fittings
- Diagonal cutters — for trimming zip ties.

Materials

Teflon Tape

Wireless Air Sensor Install

1. Locate the air filter housing.
2. If present, remove the visual indicator from the filter.

3. A tee fitting may be used to install the wireless sensor while retaining the use of an existing indicator. The use of a Tee fitting is recommended when a wired sensor or switch is present. Removing a wired sensor from the system may cause a fault condition.

The Safety Alert Symbol indicates a hazardous situation which, if not avoided could result in death or serious injury. Obey all safety messages following this symbol to avoid possible injury or death. The possible hazards are explained in the associated text messages.

This manual contains specific precautions related to worker safety. The hazard alert image denotes safety related instructions and warnings in this manual. DO NOT install, operate, or perform maintenance on this wireless sensor kit until you have read and understood the instructions, precautions and warnings contained within this manual.

Teflon tape

4. Place Teflon tape on the fitting prior to installing the sensor.

X22010 Wireless Sensor

5. Install the wireless sensor in place of the existing indicator or tee fitting.

Thread the wireless air sensor on the fitting and torque hand-tight. Do not overtighten.

Note: Depending on the application, extra fittings may be required to complete the installation.

GEOTAB device

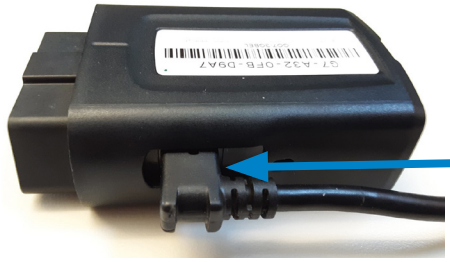
Easy Receiver Install

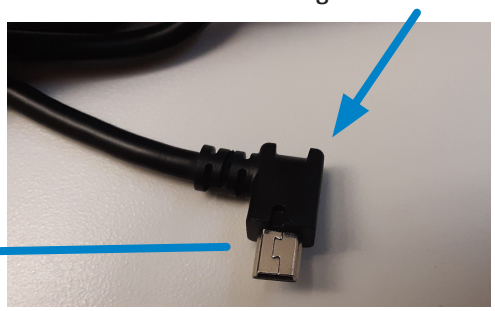
7. Locate the GEOTAB device.

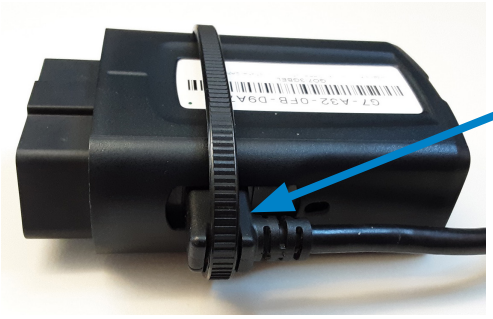
GEOTAB device dust cover

8. Remove the dust cover on the GEOTAB device.

9. Connect the cable to the GEOTAB device using this side of the cable.







10. Place zip tie around GEOTAB device to hold cable in place.

Note how the zip tie fits in the groove.

Receiver

11. Find a secure location to mount the receiver. Make sure that the cable can reach the GEOTAB GO device.

- Do not install the receiver in a metal box. Keep it in the open as much as possible.

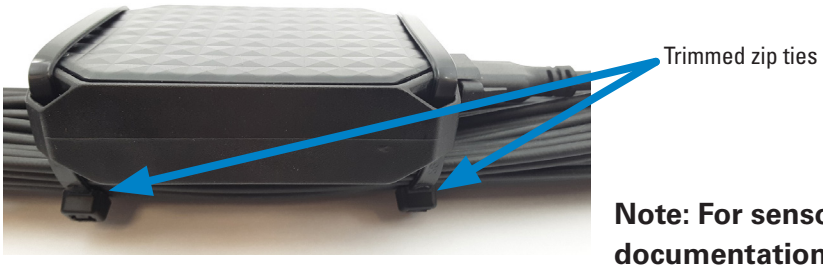
13. Insert the other end of the cable into receiver.

- Make sure the connector latches when inserted by slightly tugging on the cable once attached. Supplemental IOX cables may be required to connect multiple devices to a single IOX port on a GEOTAB device. Contact your GEOTAB sales representative to get the correct cable.

14. Zip ties are provided for securing the Easy Receiver. A reclosable fastener (like Velcro® brand or 3M™ Dual Lock™ pictured left) is another option, but is not included in the kit.

- If using a reclosable fastener, select a flat surface on which to mount it. Clear the surface of dust, oil, and moisture before applying adhesive tape.
- Ensure that the receiver is held securely in place.

15. Trim the ends of the zip ties as close to its head as possible, as a safety precaution, so as to not leave sharp ends.



Note: For sensor pairing instruction refer to supplemental documentation.

RF EXPOSURE:
This product complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body.

FCC STATEMENT WARNING:
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.

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.

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

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FILTRATION SOLUTIONS

Donaldson Company, Inc.
1400 West 94th Street
Bloomington, MN 55431 US

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