



Intel® Replacement Antenna Kit



Tools you will need:

- #10 torx Screwdriver
- Nut Driver 5.5 mm (shallow walled)
- Side Cutters

Warning! The following is a technical process, make sure to follow directions exactly. The slightest disrapture to the board may cause damage to the transmitter. Changing antennas by a non-Tracker certified technician will void any and all product warranties.

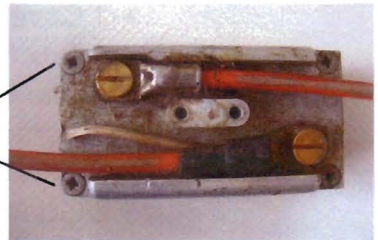
Removing Your Old Antennas:

1. Turn your collar strap side up and remove the two torx screws securing the collar strap to the transmitter body.
2. Once the torx screws are removed, remove the screw washers, cut the antenna zip ties, and place strap to the side.



Torx Screws

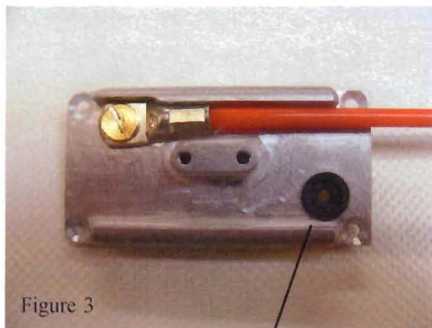
3. Remove the four torx screws from the four corners of the transmitter cover.



Torx Screws

Note: Once the cover is loose, be careful not to break the ribbon cable connection with either the transmitter board or the transmitter body.

4. Feed the gilt screw antenna assembly through the insulator (Figure 3).



Insulator

Note: Unlike the ground antenna assembly screw hole, the transmitting assembly screw hole is not threaded and so you will need to hold the assembly against the cover while working through steps 5 and 6.

5. Place the circuit board onto the cover. The circuit board will only go on to the cover one way. If you put it on wrong, it will not center on the cover.

6. With the circuit board on the cover, place the gilt nuts on the gilt screws and tighten until the screws are snug not tight (approximately 5 inch pounds of torque). Start with the ground antenna gilt screw first, this will be easier and will steady the board. Before tightening either antenna, start both nuts-- this will insure that the board is centered. You will need to hold the screws on one side while you tighten the nut.



Ground Antenna Assembly

7. Place cover onto the transmitter body. Be careful on how the ribbon cable is folded--just an easy "S" bend (Figure 5).

8. Turn the transmitter so that the antennas are on top (Figure 6).

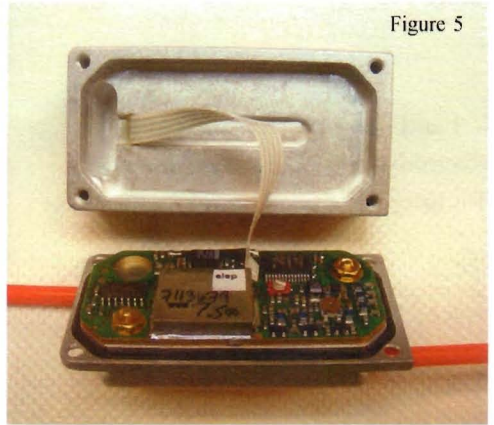


Figure 5

9. Using the four small torx, flat head screws, secure the cover to the transmitter body. Start all screws first, then tighten screws in the order show in (Figure 6).

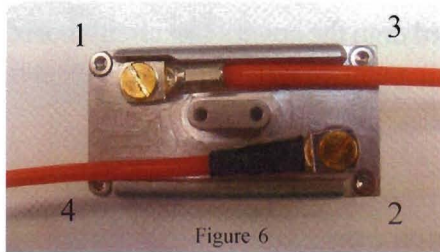


Figure 6

10. Mount the assembled transmitter body to your collar strap. Place the strap upside down (the top of the buckle should be touching your work surface) and align the assembled transmitter with the appropriate holes, making sure that the battery cap opening is facing opposite the buckle (Figure 7).

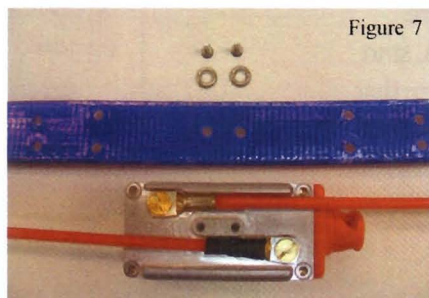
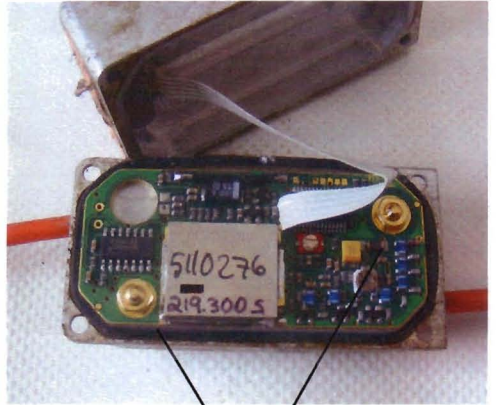


Figure 7

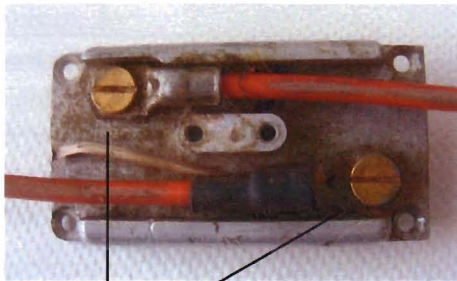
4. Remove the board from the transmitter cover by removing the gilt nuts from the gilt screws.

Note: When removing gilt nuts, make sure not to damage any board components.



Gilt Nuts

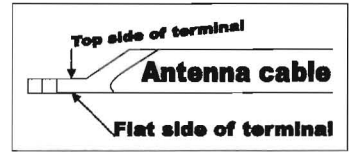
5. Once the board is detached from the cover, flip the cover over with the antennas facing up and remove both gilt screws freeing both the antennas.



Gilt Screws

Installing Your New Antennas:

1. To attach the ground antenna (the antenna without the black insulation), feed the gilt screw through the top of the antenna terminal. On the flat side of the antenna terminal, place one of the small gaskets onto the screw (Figure 1).



Antenna Reference

2. Mount the antenna onto the transmitter cover making sure that the gasket is between the antenna terminal and the transmitter cover. Screw the gilt screw into the transmitter cover (Figure 2). Tighten the screw to approximately 5 inch pounds of torque--snug not tight.

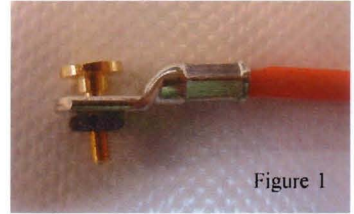


Figure 1



Figure 2

Note: The gilt screws and nuts can be stripped or broken if they are overtightened.

3. Feed the second gilt screw through the top of the transmitting antenna terminal. On the opposite side of the antenna terminal, place one of the small gaskets onto the screw.

11. Place the metal washers over the two horizontal strap holes.

12. Take the two remaining torx screws and place into holes and tighten.



Figure 8

13. Remember to zip tie your newly installed antennas to the second full set of vertical holes on the collar strap. Install zip ties by feeding the zip tie through the top and back through from the bottom, this keeps the zip tie latch on the top of the strap.

Note: Do not tighten the zip ties all the way, the antenna must be allowed to move freely to avoid damaging the antenna coating and causing a breaking point and/or premature failure of the antenna.



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