

FLEX-6400/6400M ATU Installation Instructions

Thank you for purchasing the ATU Kit for your FLEX-6400/FLEX-6400M radio. You will need the following tools to complete the installation.

- One (1) ATU Kit
- 3/16 Hex Nut Driver
- Phillips screwdriver
- #8 Torx Key (provide) for removal of radio cover

Prerequisites for Installing the ATU

The ATU Kit is designed as a field-installable option. Before starting, remember to observe proper ESD (electrostatic discharge) procedures before attempting the installation of the FLEX-6400 / FLEX-6400M ATU in order to prevent damage that may occur from static charges that can build up on your body or work surfaces. This is especially a concern during the winter months or in climates where the relative humidity can be very low.

Procedure

Step 1: Carefully remove the four (4) screws from the top cover of the 6400/6400M with a T8 Torx.



Step 2: Carefully remove screws (five (5) each side) from both sides of the top cover using the T8 Torx.



Step 3: Remove the top cover and handle gently so as not to scratch the cover. Set aside.

Step 4: With a Phillips head screwdriver, remove the four (4) screws and washers from the top board that sits behind the main fan. Set aside.



Step 5: Where the four (4) screws were removed above, replace with the four (4) standoffs included in the kit as shown below.



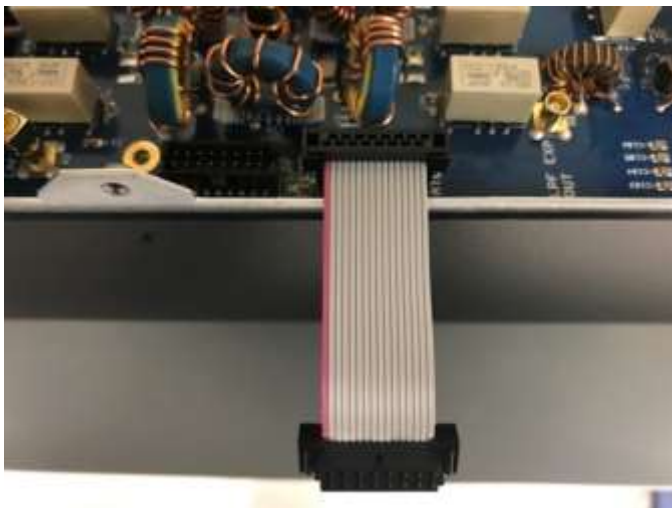
Step 6: Remove ATU from the bag and insert the two cables provided as shown. Both cables should be inserted from the top with the straight connector going through the grommet and the right-angle connector on top. The longer of the two cables goes through the grommet nearest the inductors with the most coils.



Step 7: Connect the coax to the board below by pressing until you hear it “click” into place. Repeat this process with the shorter coax by snapping into place as shown below. The longer coax goes in X10, ATU-OUT and the shorter coax goes into X9, ATU-IN



Step 8: Next, snap the ribbon cable to the connector on the bottom board as shown.



Step 9: Connect the other end of the ribbon cable to the connector on the ATU board.



Step 10: Next install the RF shield plate with ATU board down on the standoffs and align with screw holes.



Step 11: Screw down the plate to the stand-offs using the four (4) screws/washers provided in the kit. The fifth (5th) screw is to be screwed in through the backside of the radio as shown below.



Step 12: The right angle coax connectors need to be connected to the ATU as shown below. Note: keep the short coax away from L1 as much as possible as shown in the picture.



Step 12: Replace top cover and screw into place using the four (4) screws in the top cover and five (5) screws in each side.