QRPGuys Chassis Tilt Bail





First, familiarize yourself with the parts and check for all the components. If a part is missing, please contact us and we will send one. To request a part, please use <u>grpguys.parts@gmail.com</u>.

Please read all the instructions before starting the assembly.

Parts List

- 1 QRPGuys Tilt Bail pcbs, 4 sets of 5 pieces
- 4 4-40 x .25L S.S. flat head screw
- 4 4-40 S.S. hex nut
- 8 self adhesive rubber bumpers

Below is identification of the individual pcb pieces that we will be referring to during the assembly. There should be four sets of the following pcb's.



Even if you have done radio kit assembly before, please read through all the instructions before you start. This kit is a little different, in that the mechanical components are pieces of a printed circuit board material. The instructions give you the scope of the project and an understanding of the techniques we have employed

The tools you will need are a soldering iron with a small tip, rosin core solder, a small Phillips screwdriver, and a flat surface to work on.

Important:

On all the mechanical soldering you do, you will use the same technique. You tack a single tiny point first and, then check to see that it is square and aligned with the notes in the instructions and graphics. It is easy to re-heat the joint and adjust the alignment when there is only a single point, before you do the finish soldering.

The first two components to join are the Bail Base and the Bail End. Place the Bail Base on a flat surface and position the Bail End so that the two edges are flush and the union of the two pieces form the 90° angle as shown. Tack with a small amount of solder and use the corner of a 3x5 file card or similar to use as a squareness gage. Re-heat the joint and adjust if necessary before you finish soldering.



As shown below, you can use small pieces of the removable poster tack to position the small pieces during your assembly to help holding them in place.



Next, you will add the two Bail Sides to the assembly. Both Bail Side pieces are identical, and interchangeable. Position one Bail Side, flush with the end as shown, and solder the two pads as shown. Then solder the other Bail Side.



Next, solder the two pads on the outside of the Bail End as shown.



The final operation is to insert the Bail Foot into the base assembly. Insert one leg from the inside as shown, then squeeze the two legs together, and insert the leg in the other side hole.



There are components furnished to mount two bails to two chassis.



This completes the Bail Foot Assembly.

The bails can be attached to your chassis by using the S.S. hardware, double sided tape, or adhesive. You should practice positioning the feet secured with tape to get a feel for the positioning so that it does not interfere with anything inside your case, and gives you the tilt angle you desire. If you want to use the S.S. hardware, drill a 1/8" dia. hole, and use the flathead screw on the outside of the foot and the S.S. nut on the inside of the chassis. The four corner rubber bumpers are thicker than the collapsed assembled foot, and can be placed where convenient. This will insure that when the foot is collapsed it will not protrude above the thickness of the foot.



Notes: