

TBBA03-02 Duplexer Kit Installation Instructions



Introduction

The TBBA03-02 duplexer kit can be installed in TB7100 base stations without provision for an internal AC power supply unit. With this mechanical configuration, the electrical ground point is located on the left-hand side of the rear panel (refer to the illustration on the next page).

Contents of Kit

Pos.	Qty.	Part Number	Description
①	1	303-23055-00	Cover plate for N-type connector
②	4	352-00010-28	Hexagon nut M3, Nyloc
③	1	219-02979-00	N-type/N-type panel socket RF cable, coax
④	2	219-02980-00	N-type/BNC RF cable, coax
⑤	4	345-40470-00	Torx M3x8 screw, plastic type, with washers

Installation

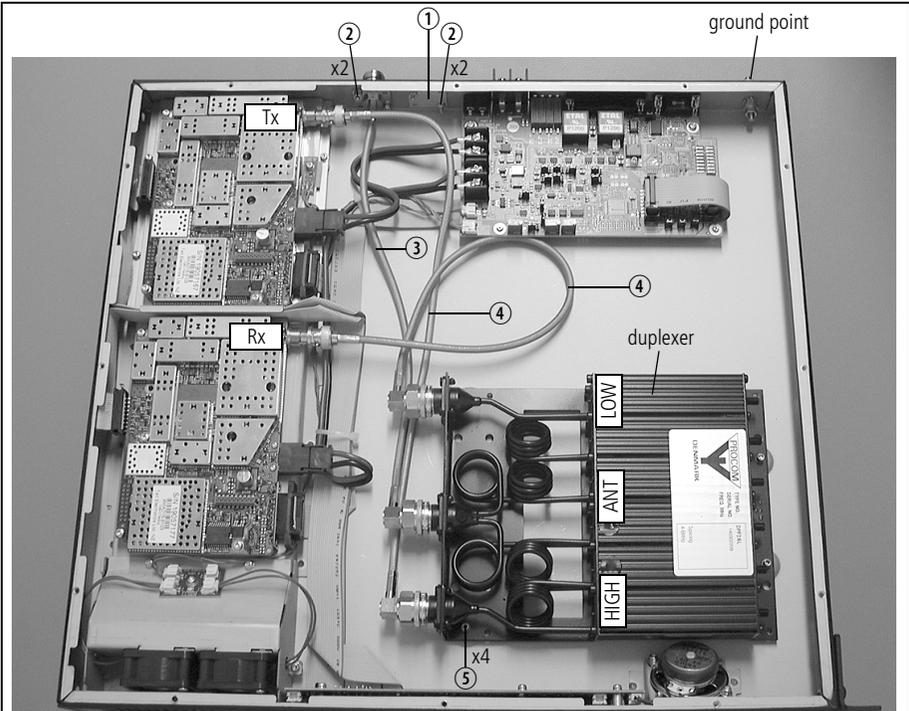


Important: Before opening the base station, disconnect the base station from any test equipment or power supply.

1. Pre-tune the duplexer to the required frequencies if this has not already been done.
2. Remove the top cover and screws from the TB7100 base station.
3. Remove the RF cable assemblies that connect between the Rx/Tx modules and the rear panel (four M3 nuts can be re-used if undamaged).
4. Use two of the M3 nuts ② provided to mount the panel blanking plate ① provided to cover the hole labelled Rx in the chassis.
5. Use two of the M3 nuts ② provided to mount the antenna RF cable assembly ③ into the chassis hole labelled Tx/Ant.
6. Use the four Torx T10 M3x8 screws ⑤ to mount the duplexer. Fasten the screws to 4.5lb·in (0.5N·m).
7. Connect the antenna RF cable assembly ③ to the duplexer N-type connector labelled Ant.

8. Connect the Rx and Tx modules to the duplexer using the two RF cables ④ provided. If the Tx frequency is above the Rx frequency, connect the Tx RF cable to the duplexer port labelled HIGH (as shown in Figure 1). Otherwise, connect the Rx RF cable to the HIGH duplexer port.
9. Mount the cover and screws.

Figure 1 TBBA03-03 duplexer kit with transmitter connected to HIGH



- ① Cover plate for N-type connector
- ② Hexagon nut M3, Nyloc (x4)
- ③ N-type/N-type panel socket RF cable, coax
- ④ N-type/BNC RF cable, coax (x2)
- ⑤ Torx M3x8 screw, plastic type, with washers (x4)