



INRAD Model RX7300 receive antenna and loop modification for the Icom IC-7300 transceiver.

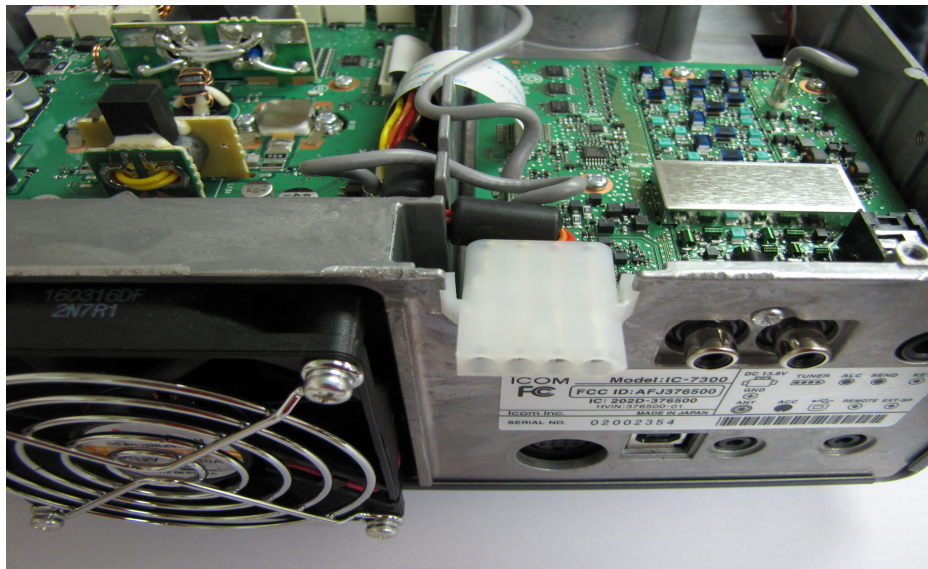
The INRAD model RX7300 adds the capability to use a receive-only antenna with the Icom IC-7300 transceiver or the insertion of accessory items into the RX chain of the radio like receive-only bandpass filters, low noise preamps, etc.

This is a solderless, reversible modification kit that is simple to install and use.

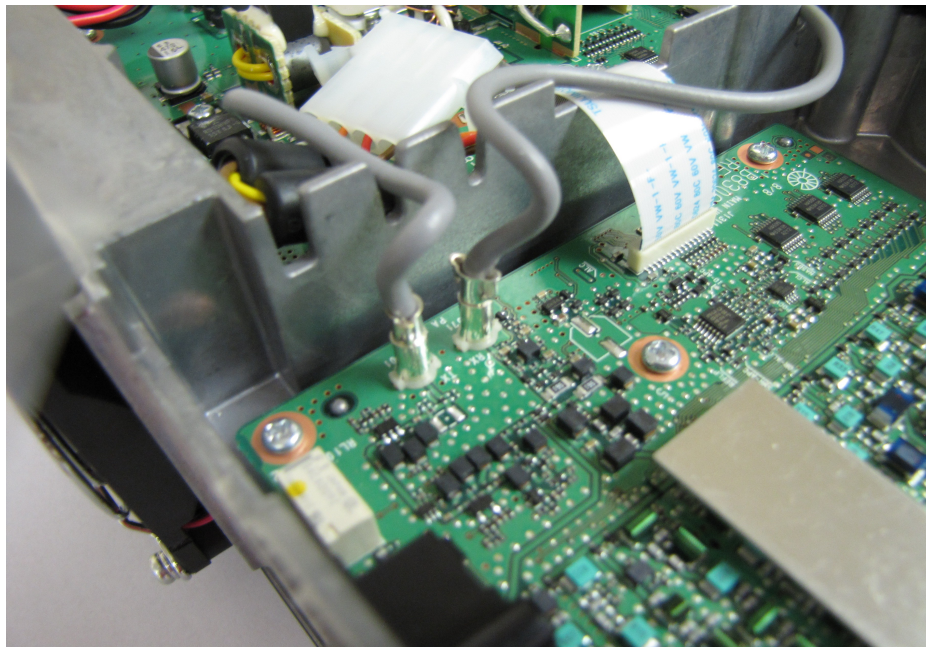
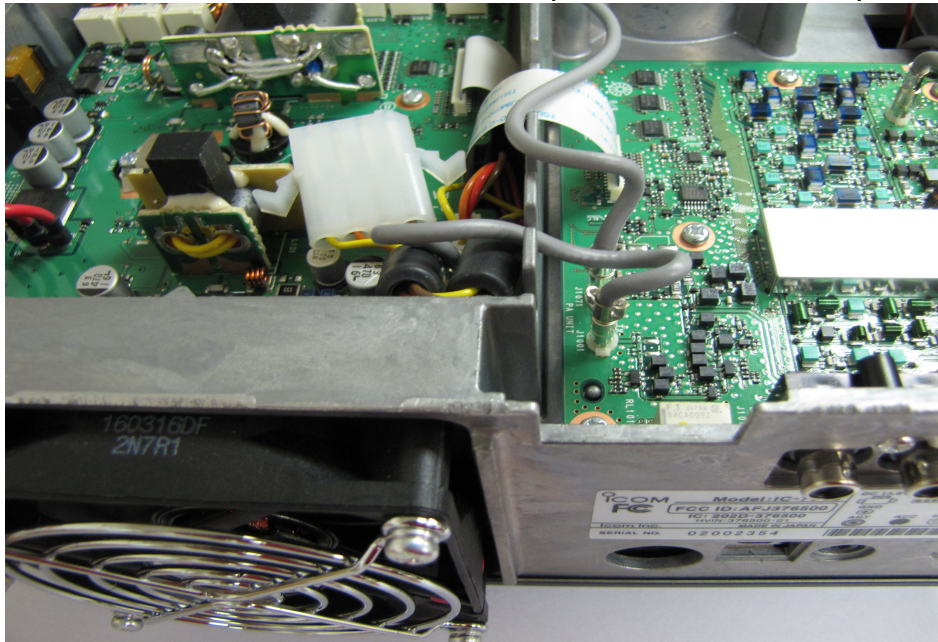
The kit consists of an assembly with 2 RCA female phono jacks, a female TMP jack, and a 4" length of Times-Microwave LMR-100 coaxial cable with a male TMP installed. The jumper is made of RG-174U coaxial cable and 2 male RCA phono connectors.

Installation instructions:

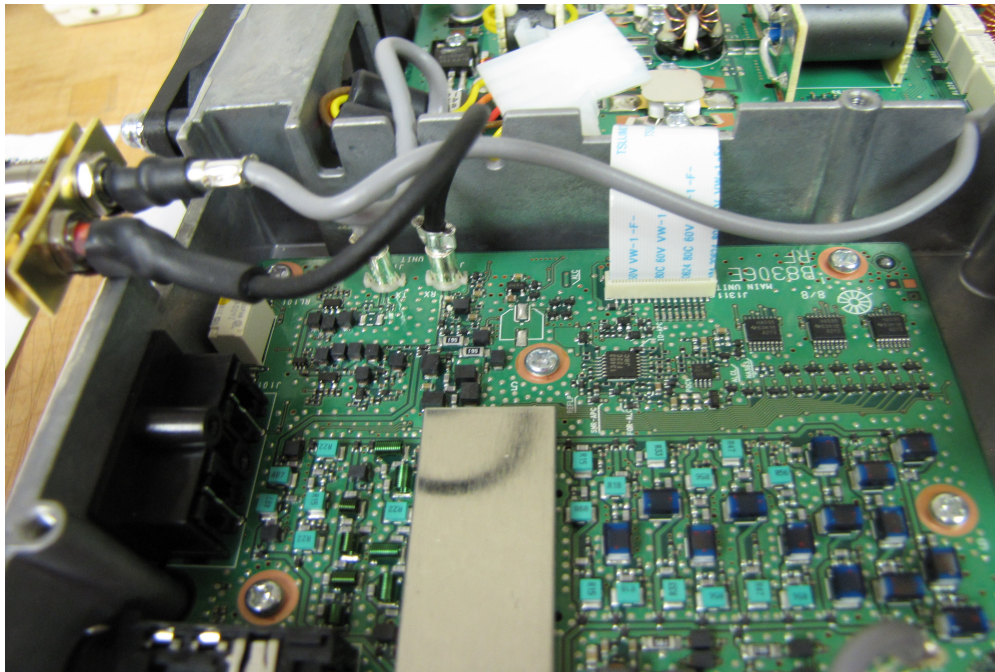
- 1) Remove the top cover of the IC-7300.
- 2) Locate the external antenna tuner jack on the top center rear panel of the transceiver. The RX7300 mod kit will be installed in place of this jack.



- 3) Slide the jack upward to remove it from the rear panel and tuck it aside to the left. Do not allow it to interfere with the operation of the rear panel cooling fan.



- 4) There are 2 cables with TMP connectors right behind where the RX7300 is to be installed in the open slot. Pull the cable out of the jack (J1701) closest to the front panel of the radio and plug it into the female TMP connector on the RX7300.



- 5) Plug the LMR-100 cable on the RX7300 into the open J1701 jack on the radio. LMR-100 is somewhat stiff – grip the cable close to the end where it attaches to the RX7300 with fingers on one hand while plugging it in with the other hand.



- 6) Slide the RX7300 mod into the place vacated by the external antenna tuner jack. There may be a little side-to-side movement of the mod kit – this is normal.



7) Replace top cover of radio. The kit is now ready to use.

When the RG-174U jumper cable with male RCA connectors is installed, the radio operates as normal.

To use a receive-only antenna, unplug the RG-174U jumper cable, and use the right side RCA female connector for the antenna coaxial cable (right side as viewed from rear. If viewing from the front, the RX ANT jack will be on the left). The radio will transceive using the SO-239 connector as the transmitter output and the right side female RCA jack at the receiver input.

To use accessory items inserted into the receiver chain instead of a receive-only antenna, use the two jacks as input and output for low noise preamps, limiters, receive-only bandpass filters, etc.

Please note that large transmit signals always have the capability to damage a transceiver. This is especially true in a situation like a multi-transmitter contest station where other stations may be transmitting with high power while you are receiving. In these types of situations, we recommend the use of a front-end limiter or RX protection between the receive antenna jack and the receive antenna itself.

We are not liable for damage to equipment caused by the use or mis-use of this modification kit and no warranty associated with its use is implied or expressed.

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