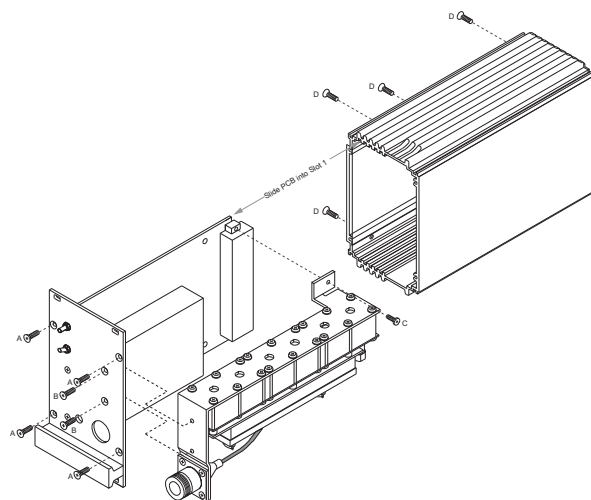


## TN120 Wide to Narrow Band Modifications

Daniels Electronics Ltd. provides VHF and UHF transmitters and receivers in both wide band (25 KHz) and narrow band (12.5 KHz). RF modules can be ordered as wide band modules and later modified for narrow band operation. Daniels Electronics can provide a wide to narrow band modification kit (part # **A-PK-RX3N214**) which includes a manual detailing steps to convert transmitters and receivers to narrow band, as well as parts needed to narrow band receivers (resistors, capacitors, inductors, crystal filters, etc.). However, to ensure continued compliance with applicable regulatory standards, Daniels' narrowbanding kits may only be installed by authorized, factory trained personnel. Alternatively, equipment may be returned to Daniels for in-house conversion to narrowband operation. Contact the Daniels service department for pricing and turn-around times.

### MT-3 Receiver Modifications

Disassemble the receiver outer cover and remove the front end. Remove the top and bottom IF shields. These shields can be difficult to remove and can be damaged easily. Replacement shields are provided in the kit. Replace ceramic filter, inductors, and crystal filters with the parts provided in the kit. The crystal filters are matched pairs and should not be mismatched. Depending on the circuit board version, certain surface mount capacitors and resistors will also need to be replaced. Retune the receiver following alignment procedures outlined in the receiver instruction manual. Install the new IF shields.



### MT-3 Transmitter Modifications

Disassemble the transmitter outer cover. Depending on the circuit board version, certain surface mount resistors will need to be replaced or surface mount jumpers will need to be removed. Retune the transmitter following alignment procedures outlined in the transmitter instruction manual.

