RFX75 Pre-Installation Check List.

1. Physically inspect the circuit board and components. Make sure no components are touching each other – specifically make sure that no components are touching any of the coils. If touching, carefully bend the components away from each other.

2. Temporarily insert the long mounting screws through the heatsink holes and confirm that the mounting screws do not touch any components on the circuit board.

3. Remove the top and bottom plates and verify that the circuit board is not being bent down excessively. If the circuit board appears to be bent down excessively, loosen the screw near C10 slightly until the circuit board is flat and not bent. If you adjust the screw, add Loctite to the screw head so that it does not move.

4. While the top and bottom plates are off, verify the screws holding the ERF2030 and ERF7530 are tight and that the transistors are laying flat against the ceramic insulators. Make sure that the ceramic insulators do not move underneath the transistors.

    a. If the mounting screws for the transistors require tightening, you will need to also resolder the 3 legs of the ERF2030 and ERF7530 – to make that tightening the screw did not create a broken solder joint.

5. Verify that the ground tab and capacitor located at the mounting screw of the ERF7530 are not touching the ERF7530.

6. Using an ohm meter, check for continuity from the screws that hold the ERF2030 and ERF7530 to the tabs of transistors. There should be NO CONTINUITY from the screw heads to the tabs.

7. Visually inspect and verify that all coaxial cables are soldered to the circuit board and are not broken or loose.