

**T41 V12 Order Of Assembly**  
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## **INTRODUCTION**

The T41 V12 radio is a complex device and there is a preferred sequence of assembly that will enhance your success in building a completely functional radio.

## **INVENTORY AND PREWORK**

As always, before you begin, inventory your parts against the latest BOM for the subject board to make sure you have everything you need.

## **BOARD BUILDING ORDER**

There is preferred building order that allows assembly testing as you go. Once the Main board is built, you can load specific software to test the Main board and any other subsequent board you build. This testing software can be found here: [Phoenix/code/src/BoardTest at main · KI3P/Phoenix](#) Therefore, build the order is as follows:

1. Main (board).
2. Display (cable).
3. Front Panel (boards with switches, encoders, and cables).
  - a. TEST WITH TestMainAndFrontPanel routines.
4. RF (board).
  - a. TEST WITH TestRFBoard routines.
5. Band Pass Filter (board).
  - a. TEST WITH TestBPFBoard routines.
6. Low Pass Filters (LPF boards).
  - a. TEST WITH TestLPFBoard routines.
7. 20W PA (PA board).
8. Automatic Tuner (ATU boards).
  - a. TEST WITH TestATUBoard routines.
9. Any Additional modules.

## **CALIBRATION**

Stay Tuned. Under the Phoenix software release, calibration is automatic.