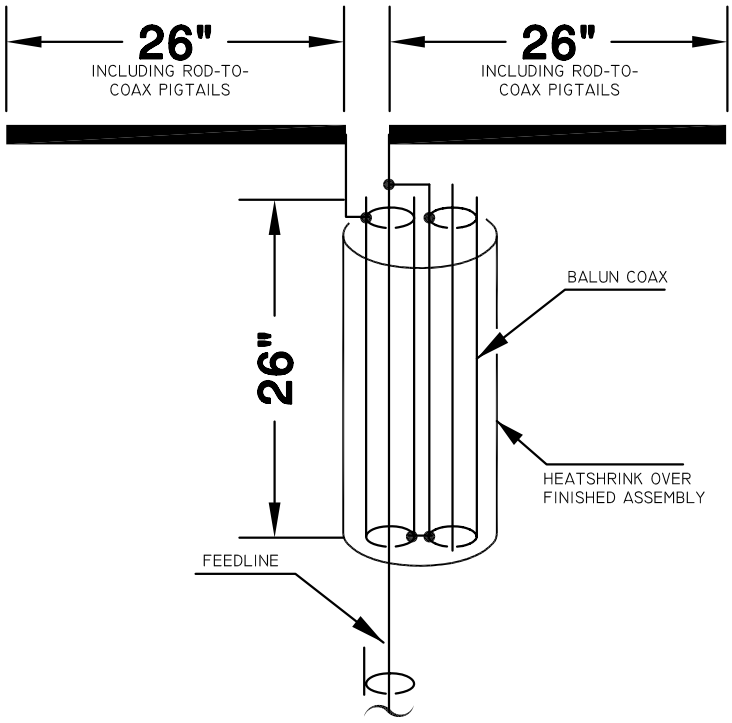

RG400
TO VOR/LOC RCVR

SO YOU REALLY WANT A BALUN ON YOUR DIY VOR/LOC ANTENNA?

1. USE RG400 OR RG142 COAX, RG58 WONT STAND UP TO THE HEAT OF SOLDERING.

2. CUT PIECE OF COAX 27 INCHES LONG AND STRIP OUTER JACKET ONLY FROM 1/2" OF EACH END.

3. USE YOUR BNC CONNECTOR COAX STRIP TOOL TO PREPARE THE END OF YOUR RECEIVER FEEDLINE AS IF YOU WERE GOING TO INSTALL A CONNECTOR. HOWEVER, TIN THE EXPOSED CENTER CODUCTOR AND SHIELD BRAID WITH SOLDER.

4. EXPOSE A 1/2" LENGTH OF SHIELD BRAID ON YOUR RECEIVER FEEDLINE BEGINNING 26" FROM ANTENNA END OF OUTER JACKET AND EXTENDING 26.5".

5. USE SOME STRING-TIES OR TIE-WRAPS TO CABLE THE TWO PIECES OF COAX TOGETHER.

6. USE A SHORT SEGMENT OF STRIPPED WIRE WRAPPED AROUND THE EXPOSED SHIELDS 26" AWAY FROM THE END. SOLDER THIS JOINT.

7. WRAP A SHORT PIGTAIL AROUND THE EXPOSED SHIELD OF THE BALUN COAX AND SOLDER. SOLDER OTHER END OF PIGTAIL TO CENTER CONDUCTOR OF FEEDLINE. YOU MAY IGNORE CENTER CONDUCTOR OF BALUN COAX.

8. SOLDER PIGTAILS TO SHIELD AND CENTER CONDUCTOR OF FEEDLINE - JUST LONG ENOUGH TO MAKE THE JUMP TO THE ENDS OF THE ANTENNA RODS.

9. USE ANTENNA ANALYZER TO TRIM ANTENNA RODS FOR 1:1 SWR AT 113 MHZ. ALTERNATIVELY, CUT RODS TO 26" LENGTH INCLUDING LENGTH OF PIGTAILS BETWEEN ENDS OF RODS AND BALUN.

10. CUT OFF TIES AND COVER FINISHED ASSEMBLY WITH HEATSHRINK.

TITLE	PAGE
VOR/LOC ANTENNA AND BALUN	1.0