

2 METER SSB/CW MOBILE ANTENNA: HORIZONTAL HALO DESIGN

NOW IT'S TIME FOR THE GAMA MATCHER
-BEND THE HOOK IN THE #8 WIRE AND
SOLDER IT TO THE MARK MADE ON THE
RIGHT SIDE OF THE HALO

STEVE KB1DIG

PARTS:

SPECIAL TOOLS:
-HOT GLUE GUN
-BUTANE TORCH
-HD WIRE CUTTERS

COPPER TUBING
1/2" RIGID
CUT TO 20"

ALUMINUM
TUBING
3/4" INSIDE
DIAMETER
ABOUT 8"



GROUNDING WIRE
#4 SOLID COPPER
ABOUT 5 FEET

GROUNDING WIRE
#8 SOLID COPPER
ABOUT 1 FOOT

RG-8 COAX ABOUT 30"
SOLDER A PL-259

2 STAINLESS HOSE CLAMPS
MUST FIT OVER THE
ALUMINUM TUBING

START BY TIGHTLY WRAPING THE #4 WIRE
ON TO THE COPPER TUBING -SQUEEZE
THE COIL TIGHTLY TOGETHER AND
POSITION VERY CLOSE TO ONE END



CUT WIRE
21" FROM THE
COIL AND TUBING
OUTWARD ON
EACH SIDE

PLACE A MARK
10" OUT ON THIS
SIDE OF THE WIRE

USE THE TORCH AND SOLDER THE COIL
ONTO THE COPPER TUBING

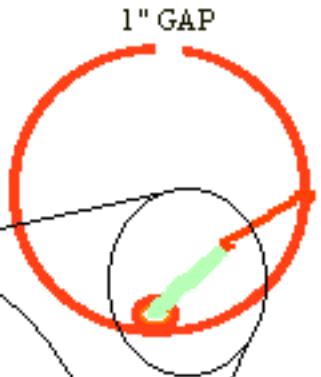
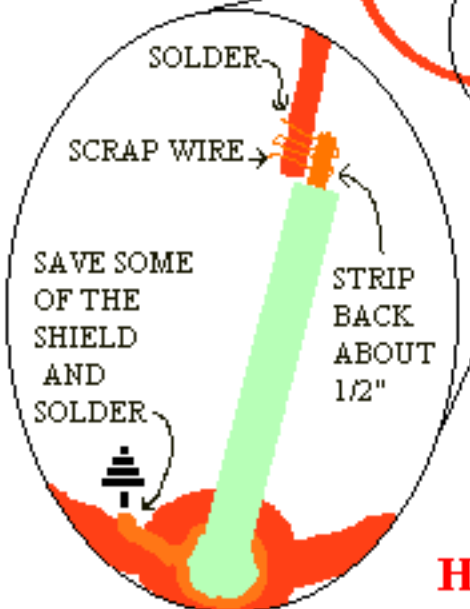
NOW CAREFULLY FORM THE HALO SHAPE
SIMILAR TO THE DIAGRAM BELOW

LEAVE A 1" GAP BETWEEN THE 2 WIRES



NEXT TAKE THE #8 WIRE AND PUT
A HOOK ON ONE END -SMALL LOOP
TO AID IN ATTACHING TO THE LARGER
WIRE OF THE HALO

FEED COAX INTO THE
COPPER TUBING
-CUT TO 4 3/4" LENGTH
-REMOVE OUTSIDE
COVERING



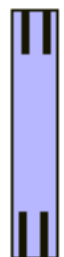
BEND THE
WIRE BACK
TOWARDS
THE COPPER
TUBING
AND CUT TO
5" IN LENGTH

TIP: CLEAR
SHRINK TUBING
TO HOLD GAP!

ADJUST SWR:
CUT BACK AT EACH
END OF THE WIRES
THAT FORM THE
GAP OR BOW GAMA
ARM IN AND OUT

**HOT
GLUE**

CUT 4 SLOTS IN
EACH END OF THE
ALUMINUM
TUBING
ABOUT 1" LONG
EACH



USE THE
ALUMINUM
TUBING AND
HOSE CLAMPS
FOR ADDED
SUPPORT WHEN
ATTACHING TO
A MAGNET
MOUNT

