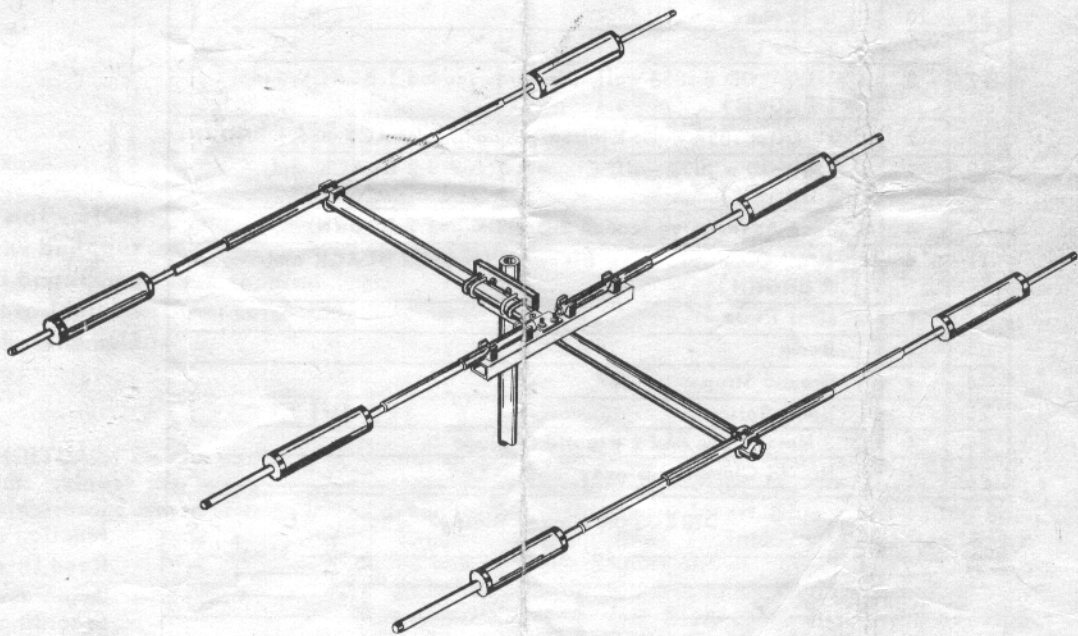


ASSEMBLY INSTRUCTIONS
FOR
MOSLEY THREE ELEMENT
TRI-BAND BEAM ANTENNA
TRAP MASTER MODEL TA-33

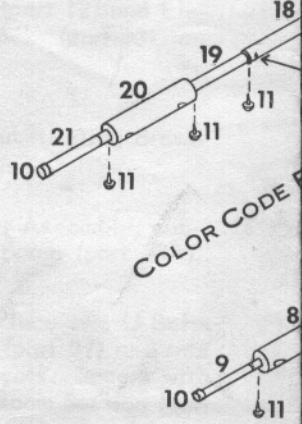
247460



The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

PARTS LIST

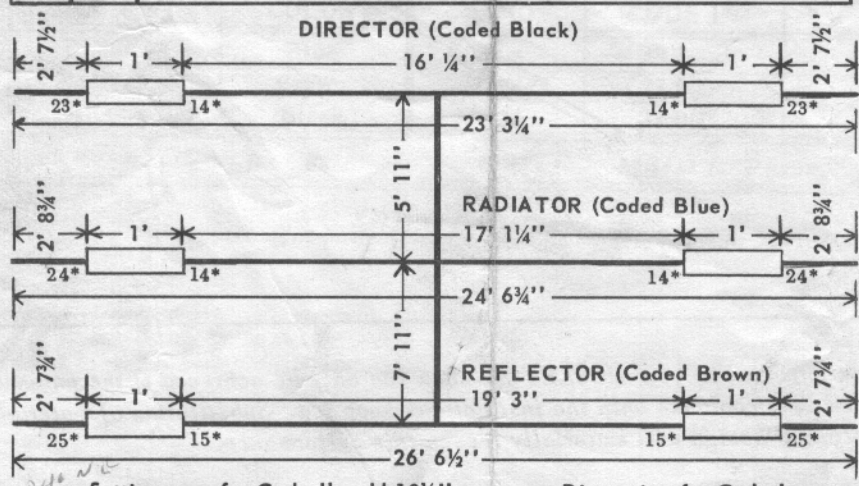
PART NO.	QUAN.	DESCRIPTION
1	1	Element Support
2	4	Insulators
3	8	10-32 x 1 1/4" Screws
4	12	No. 10 Lock washers
5	4	10-32 x 1 3/4" Screws
6	2	1" OD x .058 wall, Element (coded BLUE)
7	2	7/8" OD x .058 wall, Element (coded BLUE)
8	2	Trap Assemblies (coded BLUE)
9	2	5/8" OD x .035 wall, Element (coded BLUE)
10	6	5/8" Caplugs
11	19	No. 7 Sheet Metal Screws
12	10	U-Bolts
13	2	No. 40 Clamping Blocks
14	20	1/4" Lock washers
15	20	1/4-20 Nuts
16	2	Solder Lugs
17	2	1-1/8" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
18	2	1" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
19	4	7/8" OD x .058 wall, Elements (coded 2 BLACK and 2 BROWN)
20	4	Trap Assemblies (coded 2 BLACK and 2 BROWN)
21	4	5/8" OD x .035 wall, Elements (coded 2 BLACK and 2 BROWN)
22	1	Mast Plate
23	1	Boom
24	1	Ground Strap
25	1	Boom Splice
26	4	2 Metal Caps and 2 Plastic Caplugs
27	7	No. 43 Clamping Blocks



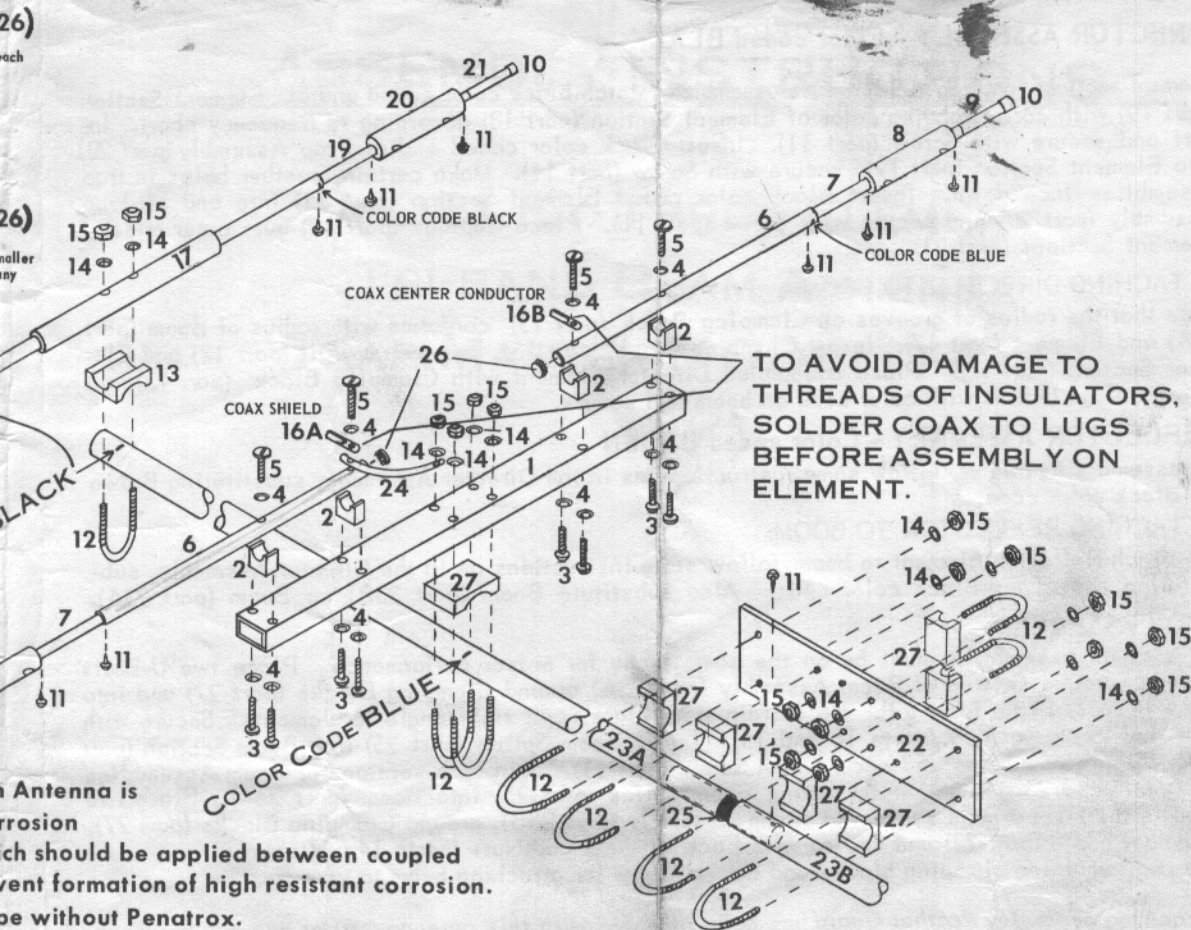
NOTE - This Mosley Beam supplied with an anti-corrosion compound Penatrox, which is applied to the sections of tubing to prevent rust. Elements will not telescope.

CAUTION: Coil Assembly only; this color shows only. Reversal of traps will affect function of beam. Read Directions Carefully. Begin assembly by ground according to color code. For proper matching use recommended.

RADIATOR ASSEMBLY
Loosely install insulator (part 1) with Screws (part 2) so that screw Element (part 6) is fastened. Element (part 6) is fastened to assure proper position. Element (part 6) is fastened with breather hole. Place Screws (part 5) through Lock washers (part 4) to secure to outermost Insulator (part 1) through Ground Strap (part 24).



Settings are for Code II, add 10 1/2" to center Dimension for Code I.
* Indicates number of coil turns.



Antenna is
 corrosion
 which should be applied between coupled
 prevent formation of high resistant corrosion.
 use without Penatrox.

ASSEMBLY

Assemblies are color coded on one end
 and ALWAYS be nearest the boom.
 cause high SWR and other mal-

fully!
 cuping all element and coil sections
 e 52 ohm coax. RG-8/U is recom-

Color coded BLUE

Insulators (part 2) to Element Support
 and Lock washers (parts 3 and 4).
 Element (part 6) into "V" of Insulator
 hole on Blue color coded end of
 facing DOWN. This is important to
 of coil assemblies that are pro-
 es and should face down.

through Lock washers (part 4) and
 insulator (part 2). Place Screw (part
 5) through Lock washer (part 4), Solder Lug (part 16A),
 Element (part 6) and secure to

Insulator (part 2). Insert Screw (part 5) through Lock washer (part 4), Solder Lug (part 16B), Element (part 6) and secure all insulators. Insert Blue color coded end of Element Section (part 7) into corresponding color coded end of Element (part 6).

Align holes according to frequency chart and secure with Screw (part 11). Insert Blue color coded end of Trap Assembly (part 8) into Element Section (part 7) and secure with Screw (part 11).

Insert Blue Color coded end of Element Section (part 9) into end of Trap Assembly (part 8) and secure with Screw (part 11). Place Caplug (part 10) over outer ends of Element Sections (part 9) and press Metal Cap (part 26) into inboard ends of radiator elements (part 6).

ATTACHING RADIATOR TO BOOM:

Loosely install two U-Bolts (part 12) to Element Support (part 1) with Lock washers and Nuts (parts 14 and 15). At this time attach Ground Strap (part 24) to one of the U-Bolts. Place Support (part 1) directly over Blue color code on Boom (part 23A). Install Clamping Block (part 27) between Element Support (part 1) and Boom (part 23A). Secure with Nuts and Lock washers.

DIRECTOR ASSEMBLY - Color coded BLACK

Element sections (parts 17 & 18) are pre-assembled. Match black color coded end of Element Section (part 19) with corresponding color of Element Section (part 18) according to frequency chart. Insert and secure with Screw (part 11). Insert Black color coded end of Trap Assembly (part 20) into Element Section (part 19), secure with Screw (part 11). Make certain breather holes in trap assemblies face down. Insert Black color coded Element Section (part 21) into end of Trap Assembly (part 20) and secure with Screw (part 11). Place Caplugs (part 10) over outer ends of Element Sections (part 21).

ATTACHING DIRECTOR TO BOOM:

Note that the radius of grooves on Clamping Block (part 13) conforms with radius of Boom (part 23A) and Element (part 17). Insert Clamping Block (part 13) between U-Bolt (part 12) and Element Section (part 17). Place assembled Director Element with Clamping Block (part 13) on Boom. Align U-Bolt with color code on boom and secure.

REFLECTOR ASSEMBLY - Color coded BROWN

To assemble Reflector, follow same instructions as in the Director Assembly, substituting Brown for Black color code.

ATTACHING REFLECTOR TO BOOM:

To attach Reflector Element to boom, follow same instructions as in the Director Assembly, substituting Brown for Black color code. Also substitute Boom (part 23B) for Boom (part 23A).

BOOM ASSEMBLY:

All element assemblies must be on the same plane for proper performance. Place two U-Bolts (part 12) around section of Boom Assembly (part 23A) around Clamping Blocks (part 27) and into holes in Mast Plate (part 22). Be certain mast plate is at right angle to elements. Secure with Nuts and Lock washers (parts 14 and 15). Insert Boom Splice (part 25) into Boom Section (part 23B), align screw holes and secure with Screw (part 11). Join both sections of Boom Assemblies (part 23A and 23B) together by fitting Boom Splice (part 25) into Boom (part 23A). Place two U-Bolts (part 12) around section of Boom Assembly (part 23B), around Clamping Blocks (part 27), into Mast Plate (part 22) and secure with Lock washers and Nuts (parts 14 and 15). The two remaining clamping blocks and hardware are for attaching beam to your mast.

A package of Mosley Weather Guard has been included with this antenna. After antenna has been assembled, spray or brush weather guard over entire unit and let dry before mounting on mast. Be sure weather guard does not prevent good electrical contact between boom and mast.

COLOR CODE		FREQUENCY CHART		
ELEMENT	COLOR	BAND	CODE 1*	11**
Radiator	Blue	10 M	28.1	28.8
Reflector	Brown	15 M	21.050	21.3
Director	Black	20 M	14.050	14.250

Best for CW.* *Best for Phone*

NOTE: To order replacement parts from instruction sheet, refer to Form No. and Part No.

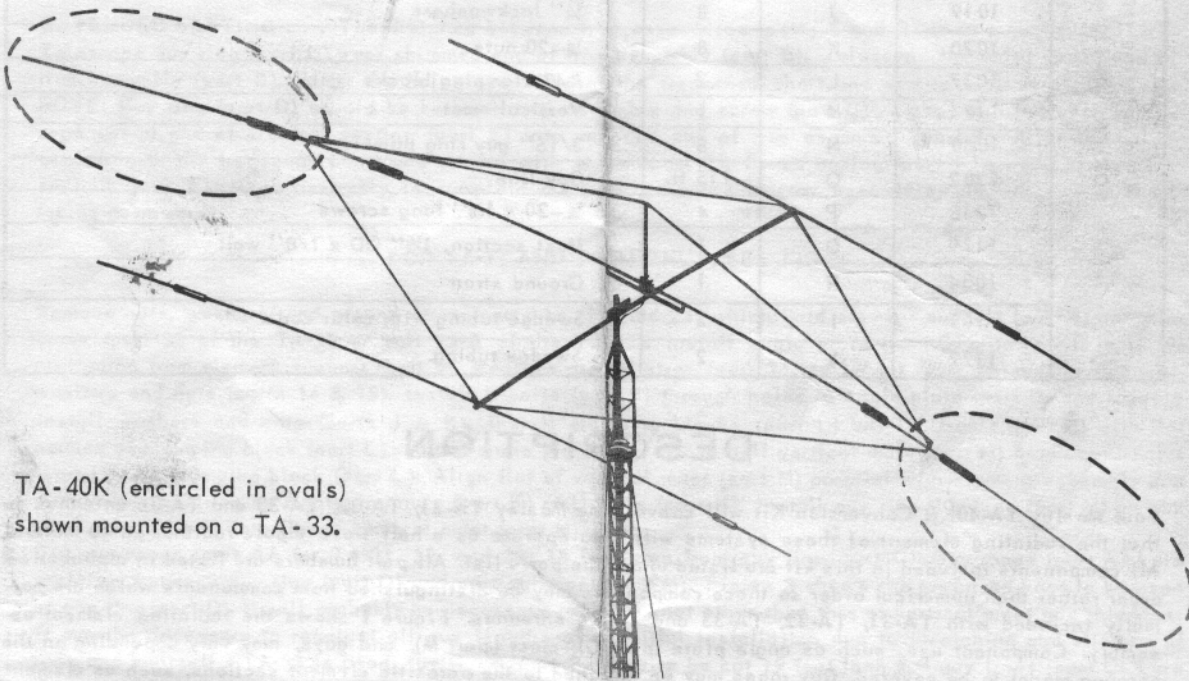
M·E·I

MOSLEY ELECTRONICS, INCORPORATED
4610 North Lindbergh Boulevard
Bridgeton, Missouri

MOSLEY DIPOLE CONVERSION KIT MODEL TA-40-KR

TO CONVERT MODELS TA-31, TA-32, TA-33 AND TA-36
FOR OPERATION ON 40 METERS

247396



TA-40K (encircled in ovals)
shown mounted on a TA-33.

The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitutions of material or modification of design will materially lessen this performance.

PARTS LIST

MOSLEY PART NO.	PART NO.	QUAN	DESCRIPTION	
When ordering replacement parts refer to FORM NO. H-110 and MOSLEY PART NO.	1167	A	2	7/8" OD x .058 wall element section coded blue
	1213	B	2	20 meter trap assemblies (color blue)
	1113	C	10	# 6 X 3/8" long sheet metal screw.
	1217	D	2	Guy rings
	1173	E	2	5/8" OD x .035 wall element section coded blue
	1016	F	2	5/8" ID- Caplug.
	1175	G	1	Angle plate
	1018	H	2	1/4-20 U-bolts
	1019	J	8	1/4" lockwashers
	1020	K	8	1/4-20 nuts
	1037	L	2	#43 clamping blocks
	1174	M	1	Vertical mast
	1080	N	8	3/16" guy ring thimbles
	1202	O	115 ft.	Guy line
	1218	P	4	1/4-20 x 1 3/4" long screws
	1179	Q	1	Mast section, 1 1/2" OD x 1/8" wall
	1034	R	1	Ground stran
1168	I	2	Swedge tubing with color code.	
1172	S	2	Swedge tubing.	

DESCRIPTION

Your Mosley TA-40KR Conversion Kit will convert the Mosley TA-31, TA-32, TA-33 and TA-36 antennas so that the radiating element of these systems will also operate as a half wave dipole radiator on 40 meters. All components included in this kit are listed under the parts list. All part numbers are listed in alphabetical order rather than numerical order so these components may be distinguished from components which are normally included with TA-31, TA-32, TA-33 and TA-36 antennas. Figure 1 shows the radiating element assembly. Component use, such as angle plate (part G), mast (part M), and guys, may vary depending on the antenna model to be covered. Guy ropes may be attached to the parasitic element sections, such as element (part 17), used on the model TA-33 antenna. In figure 1 the asterisks (*) denote color codes, position and number of color code markings at these positions. Figure 2 shows the method of mounting the vertical guys and the TA-31 support to the vertical mast.

Figure 3 shows the recommended method of securing the guys. Figure 4 shows an over-all length schematic and designates the number of turns on each radiator coil assembly. Before beginning with the TA-40KR assembly it must be decided at what frequencies the finished assembly is to be resonant. In order to do this, refer to the typical resonant frequency charts at the end of this instruction booklet. Note from observing these charts that the resonant frequencies are first controlled by the standard adjustment of the TA-31, TA-32, TA-33, or TA-36 and second they are controlled by the setting of the 20 meter element section (part A) and third by the setting of the 40 meter element section (part E). Therefore, when choosing resonant frequencies, begin with the TA-31, 32, 33 or 36 settings and then set the 20 meter section, and last, the 40 meter section. A package of anti-corrosion compound is included and should be applied to all telescoping element sections as per instructions on package. When assembly is complete apply antenna coat to all parts of antenna except plastic parts. Apply as per package instructions.

ELEMENT ASSEMBLY

Before beginning with the TA-40-KR assembly, read all instructions thoroughly and study the drawings and charts carefully. After taking antenna down from its support and placing it on fairly level ground, begin assembly. Check parts against parts list to insure all items have been included. First, remove existing 20 meter and element extension (on radiator only) and store for future use. Replace this extension with part A (NOTE: Holes will line up one way only on part A) as shown in Fig. 1. Place color codes as shown. Slide guy ring (part D) over inside end of 20 meter trap (part B) opposite of color code. Telescope together with (part I) and secure with screws (part C) in the code position you desire. Telescope (part S) into 20 meter trap. Then telescope (part E) into (part S) and secure in the code position you desire. Install caplug (F). If TA-36 antenna is used, do not use (part R) and remove existing ground strap. (NOTE: TA-36 cable transformer is still necessary to obtain a good match on 10 meters). Place (part G) over U-bolts as shown in Fig. 1 and secure. Install vertical support mast (part M) as shown and secure with (parts H, L, J and K). Install guy line (part O) using thimbles (part N) as shown in Fig. 1. Re-install antenna to tower.

NORMAL SETTING . . . The distance between trap assemblies (parts 8 and B) is kept to a minimum. This distance is measured from end of trap cover (part B) to trap cover (part 8) and should be 30 1/2".

EXTENDED SETTING . . . The distance between trap assemblies (parts 8 and B) is at a maximum 31 3/4". Telescope guy ring (part D) over shimmed end of trap assembly (part B). Telescope the color coded end of trap assembly (part B). Align the holes according to the frequency chart and secure with screw (part C). NOTE: Guy ring (part D) should be between trap assembly and screw (part C) as shown in Fig. 11. Telescope coded end of element section (part E) into uncoded end of trap assembly (part B). Align the holes according to the frequency chart and secure with screw (part C). Press caplug (part F) on end of element section (part E). When assembly is complete all breather holes in trap assemblies and screws must be facing downward.

FOR TA-32 AND TA-33 ONLY, SEE FIG. 1

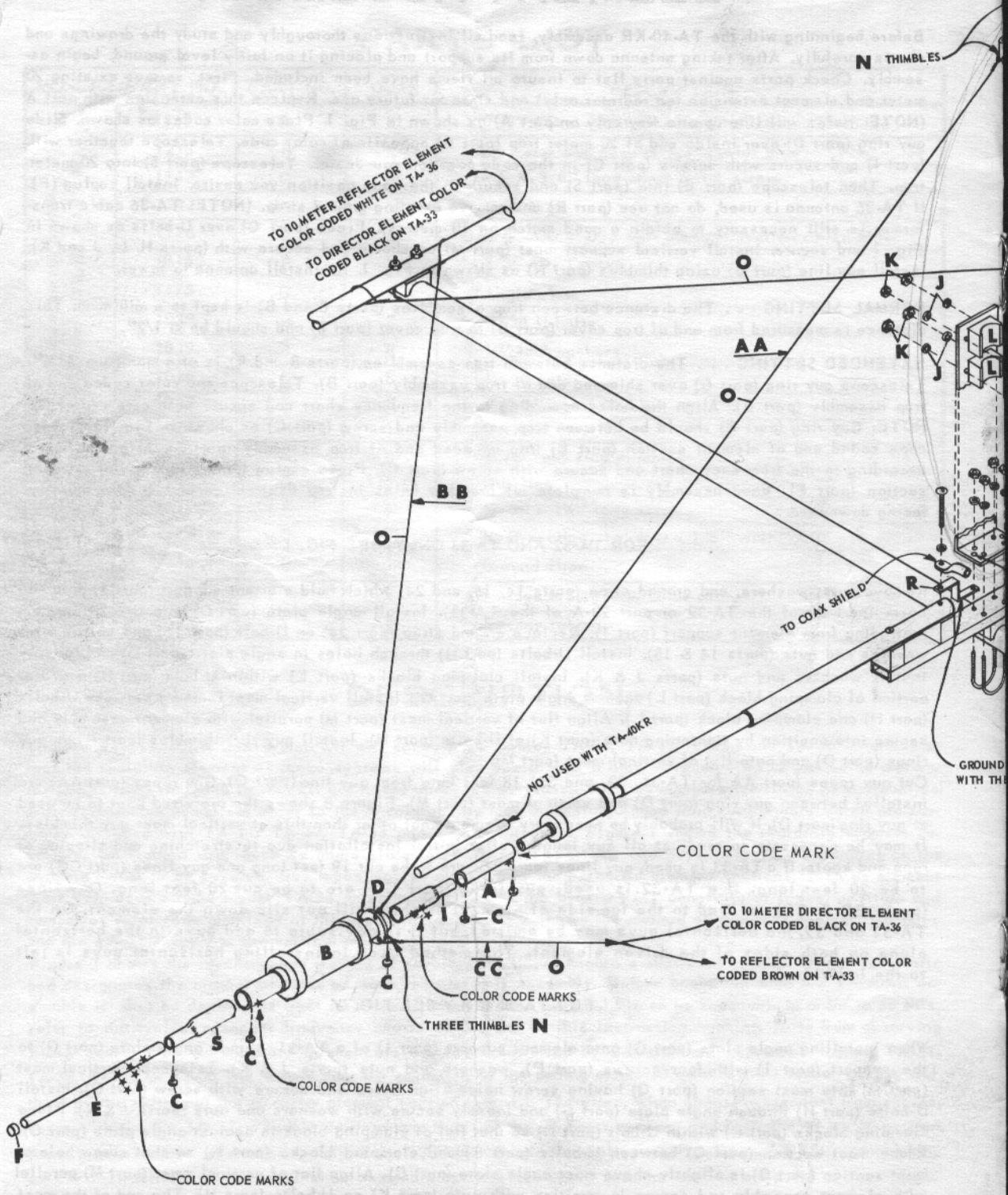
Remove nuts, washers, and ground strap (parts 14, 15, and 24) which hold element support (part 1) onto the boom (part 23 of the TA-32 or part 23-A of the TA-33). Install angle plate (part G) onto U-bolt (part 12) protruding from element support (part 1). Replace ground strap (part 24) on U-bolt (part 12) and secure with washers and nuts (parts 14 & 15). Install U-bolts (part H) through holes in angle plate (part G) and loosely install washers and nuts (parts J & K). Install clamping blocks (part L) within U-bolt (part H) with flat portion of clamping block (part L) against angle plate (part G). Install vertical mast (part M) between U-bolts (part H) and clamping block (part L). Align flat of vertical mast (part M) parallel with element assembly and secure into position by tightening nuts (part K) of U-bolts (part H). Install guy ring thimbles (part N) on guy rings (part D) and onto flat of vertical mast (part M).

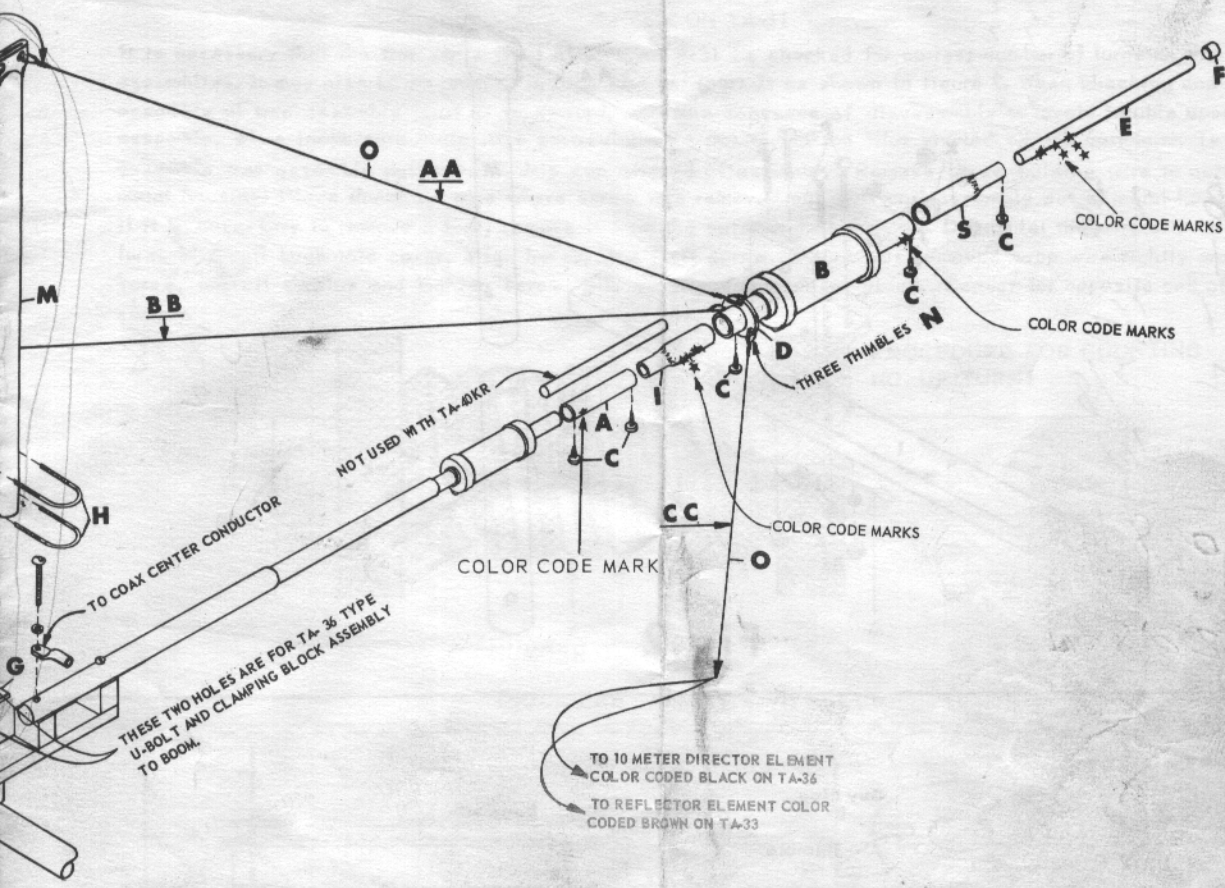
Cut guy ropes (part AA for TA-31, 32, and 33) 18 feet long from guy line (part O). Guy ropes (part AA) are installed between guy ring (part D) and vertical mast (part M). Figure 3 shows the preferred knot to be used at guy ring (part D). It will probably be necessary to use a knot other than this at vertical mast guy thimbles. It may be necessary to readjust all guy lengths after initial installation due to stretching and slipping of rope and knots. If a TA-33 is used, guy lines (part BB) are to be cut 19 feet long and guy lines (part CC) are to be 20 feet long. If a TA-32 is used, guy lines (part CC) are to be cut 20 feet long. Guy lines (parts BB & CC) are tied to the far side of element so they will not slip down the element. On the TA-31 and 32, the horizontal guys may be omitted, but it is advisable to add guys in the horizontal plane on both sides of the driven element. The method used in installing horizontal guys is left to the individual.

FOR TA-31 ONLY SEE FIG. 2

When installing angle plate (part G) onto element support (part 1) of a TA-31, secure angle plate (part G) to the support (part 1) with four screws (part P), washers and nuts (parts J & K). Telescope vertical mast (part M) into mast section (part Q) having screw hole. Align holes and secure with screw (part C). Install U-bolts (part H) through angle plate (part G) and loosely secure with washers and nuts (parts J & K). Place clamping blocks (part L) within U-bolt (part H) so that flat of clamping block is against angle plate (part G). Place mast section (part Q) between U-bolts (part H) and clamping blocks (part L) so that screw hole of mast section (part Q) is slightly above mast angle plate (part G). Align flat of vertical mast (part M) parallel with element assembly and secure in position with nuts (part K) on U-bolts (part H). The end of the mast section (part Q) maybe installed into your rotor.

ELEMENT ASSEMBLY





TRAP IS NOT USED ON THE TA-36
 TA-40KR ATTACHED.

NOTE: STARS INDICATE NUMBER AND POSITION
 OF COLOR CODE MARKS ON ELEMENTS.

TO 10 METER DIRECTOR ELEMENT
 COLOR CODED BLACK ON TA-36
 TO REFLECTOR ELEMENT COLOR
 CODED BROWN ON TA-33

Fig. 1

$\frac{18}{12}$
 $\frac{36}{18}$
 $\frac{216}{18}$

98-7 1/8
 1
 21 1/2
 12 3/8
 70 1/4
 200/14
 208 1/4

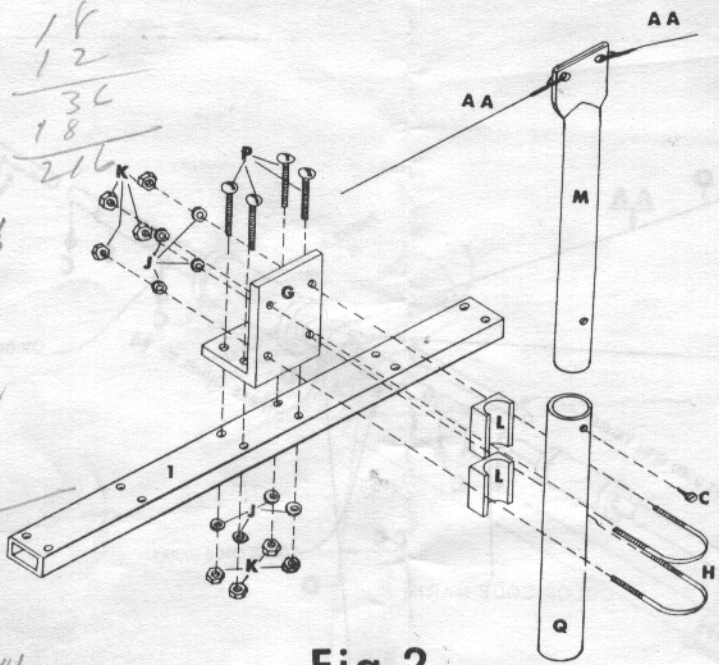


Fig. 2

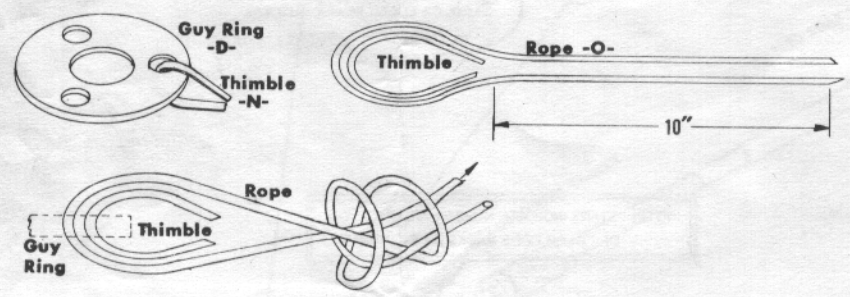


Fig. 3

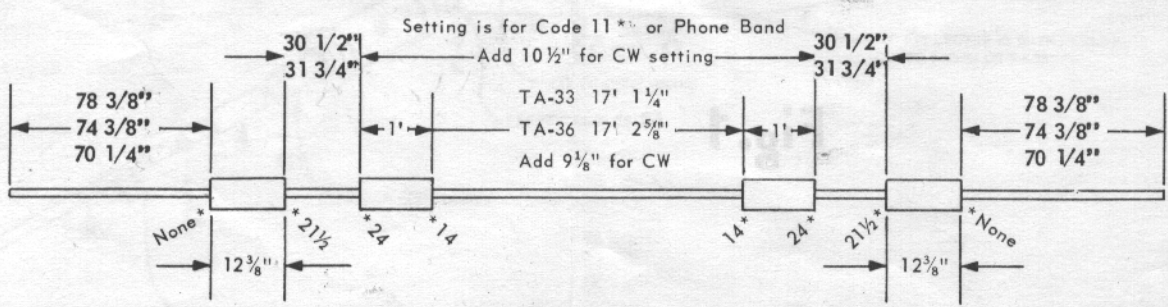
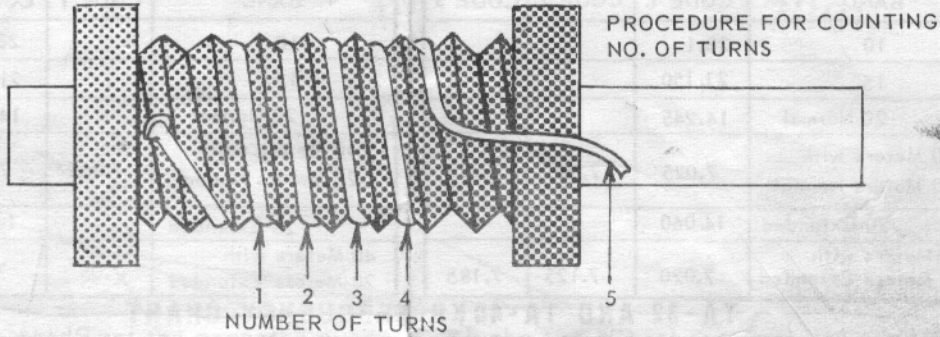


Fig. 4

* Indicates number of coil turns

CHECK ON TA-31

It is necessary that the trap coils (part 8) of the TA-31 be checked for correct number of turns on the trap assemblies. It may also be necessary to drill element (part 7) as shown in figure 5. When checking and disassembly of trap assembly (part 8) is started, note the sequence of disassembly to avoid trouble upon reassembly. When inspecting coils take particular care not to let the wire unwind on the coil form. To disassemble trap assembly pull plastic drip cap off end of assembly. Remove screw holding wire to outside metal housing. Place thumb on wire where screw was removed and pull coil assembly out of metal housing. If it is necessary to remove a turn, remove it from the outer end of the coil. Do not let the wire slip on coil form. Slip coil back into cover, align holes, and start screw. If turn was removed wrap wire tightly around screw, cut off surplus and tighten screw. Slip plastic cap back in place. Repeat for opposite end of assembly.



DRILL PART #7 AS SHOWN BELOW

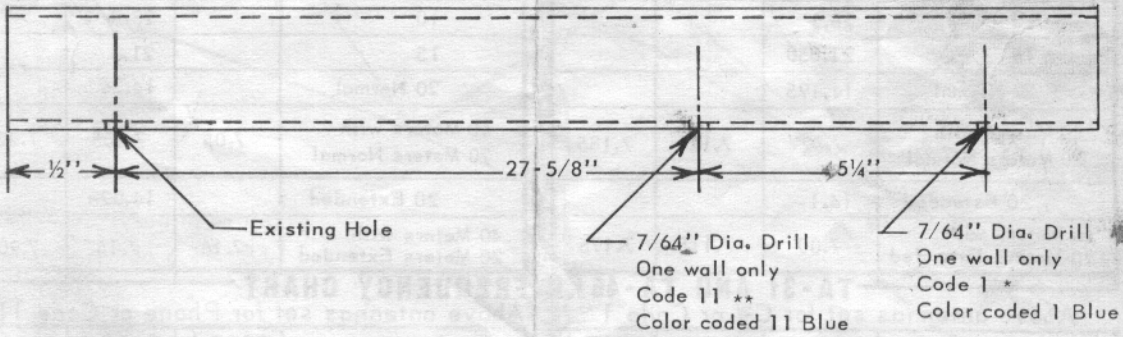


Fig. 5

TA-31, 32 or 33 RADIATOR LENGTHS

Dimensions are for code 11 setting, add 10 1/2" to center dimension for code 1 setting.

* Indicates number of turns of wire on coils.

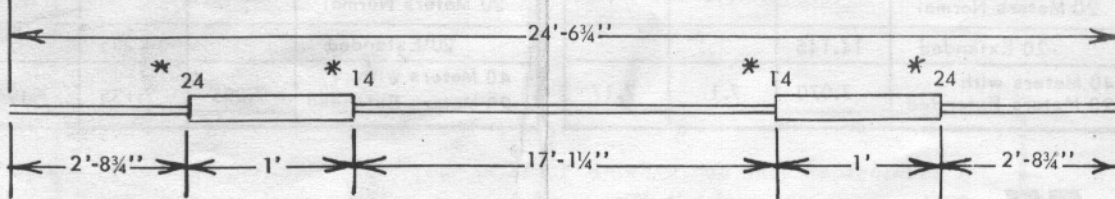
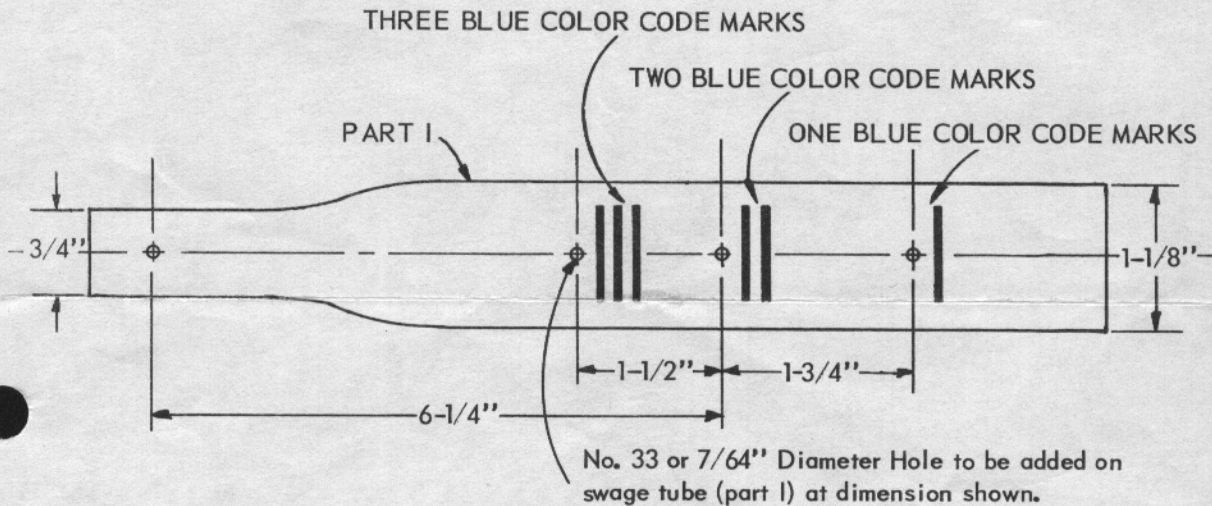


Fig. 6

ADDENDUM SHEET FOR MOSLEY MODEL TA-40KR

NOTE: WHEN USING THIS KIT WITH THE TA-33, TA-32, TA-31 and TA-36 ANTENNAS, USE THE MOSLEY MODEL TA-40KR INSTRUCTION SHEET. WHEN USING THIS KIT WITH THE MP-33 ANTENNA, USE THE MOSLEY MODEL MP-40KR INSTRUCTION SHEET.

The earlier Mosley Model TA-40KR will require a hole to be drilled in swage tubing (parts I) according to the drawing shown below. This hole is only necessary when the TA-40KR is to be used as a MP-40KR on the Mosley Model MP-33 Antenna. This swage tubing (part I) is used with both Mosley Models TA-40KR and MP-40KR Antenna Kits. On the later models of the TA-40KR and MP-40KR this hole will be drilled and have three blue color code marks as shown below.



Mosley Electronics, Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MISSOURI

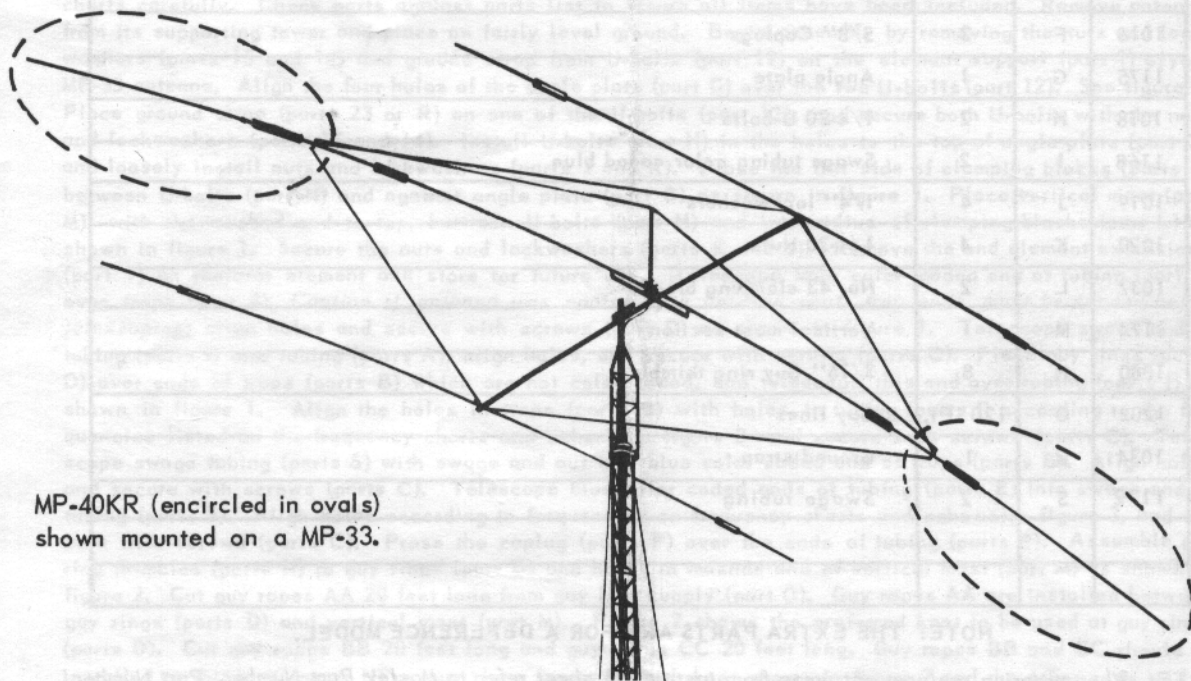
LITHO in U.S.A.

FORM NO. H-149

MOSLEY DIPOLE CONVERSION KIT MODEL MP-40KR

TO CONVERT MODEL MP-33 ANTENNA FOR OPERATION ON 40 METERS

ELEMENT ASSEMBLY



MP-40KR (encircled in ovals)
shown mounted on a MP-33.

The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of material or modification of design will materially lessen this performance.

PARTS LIST

Mosley Part No.	Part No.	Quan	Description
1167	A	2	7/8" OD X .058 wall element section color coded blue
1213	B	2	Trap Assemblies color coded blue
1113	C	10	No. 6 x 3/8" long sheet metal screws
1217	D	2	Guy Rings
1173	E	2	5/8" OD x .035 wall element section color coded blue
1016	F	2	5/8" Caplugs
1175	G	1	Angle plate
1018	H	2	1/4-20 U-bolts
1168	I	2	Swage tubing color coded blue
1019	J	4	1/4" lockwashers
1020	K	4	1/4-20 Nuts
1037	L	2	No. 43 clamping blocks
1174	M	1	Vertical mast section
1080	N	8	3/16" Guy ring thimbles
1202	O	120 Ft.	Guy lines
1034	R	1	Ground strap
1172	S	2	Swage tubing

NOTE: THE EXTRA PARTS ARE FOR A DEFERENCE MODEL.

NOTE: When ordering replacement parts from instruction sheet refer to Mosley Part Number, Part Number, and Form Number H-145.

DESCRIPTION

The Mosley MP-40KR Conversion Kit will convert the Mosley MP-33 antenna so that the radiating element of this system will also operate as a half wave dipole on 40 meters. All components included in this kit are listed under the parts list in alphabetical order rather than numerical order so these components may be distinguished from components which are normally included with the MP-33 antenna. Figure 1 shows the radiating element assembly. Guy ropes are attached to the parasitic element sections such as element (part 17) used on the MP-33 antenna. In figure 1 the asterisks (*) denote color codes, position, and number of color code markings at these positions. Figure 2 shows the recommended method of securing the guys. Figure 3 shows an overall length schematic, and designates the number of turns on each radiator coil assembly. Before beginning with the MP-40KR assembly it must be decided at what frequencies the finished

assembly will be resonant. In order to do this, refer to the typical resonant frequency charts. Note from observing these charts, the resonant frequencies are first controlled by the standard adjustment of the MP-33; second, they are controlled by the setting of the 20 meter element section (part I); and third they are controlled by the setting of the 40 meter section (part E). Therefore, when choosing resonant frequencies, begin with the MP-33 settings and then set the 20 meter section; and last, the 40 meter section. A package of anti-corrosion compound is included and should be applied to all telescoping element sections as per instructions on package. When assembly is completed, apply antenna coat to parts of antenna except plastic parts. Apply as per package instructions.

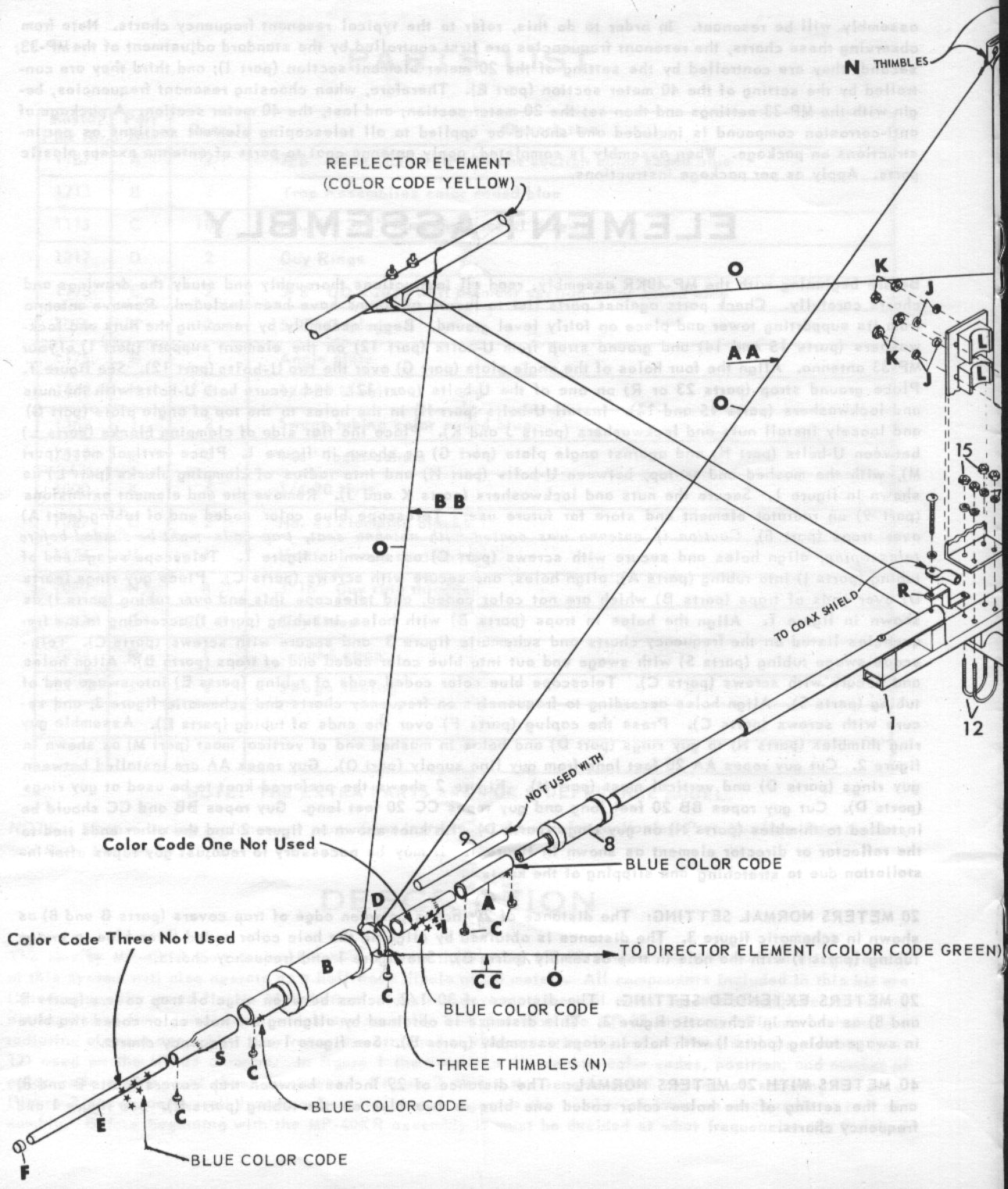
ELEMENT ASSEMBLY

Before beginning with the MP-40KR assembly, read all instructions thoroughly and study the drawings and charts carefully. Check parts against parts list to insure all items have been included. Remove antenna from its supporting tower and place on fairly level ground. Begin assembly by removing the nuts and lockwashers (parts 15 and 14) and ground strap from U-bolts (part 12) on the element support (part 1) of your MP-33 antenna. Align the four holes of the angle plate (part G) over the two U-bolts (part 12). See figure 1. Place ground strap (parts 23 or R) on one of the U-bolts (part 12), and secure both U-bolts with the nuts and lockwashers (parts 15 and 14). Install U-bolts (part H) in the holes to the top of angle plate (part G) and loosely install nuts and lockwashers (parts J and K). Place the flat side of clamping blocks (parts L) between U-bolts (part H) and against angle plate (part G) as shown in figure 1. Place vertical mast (part M), with the mashed end to top, between U-bolts (part H) and into radius of clamping blocks (part L) as shown in figure 1. Secure the nuts and lockwashers (parts K and J). Remove the end element extensions (part 9) on radiator element and store for future use. Telescope blue color coded end of tubing (part A) over traps (part 8), *Caution if antenna was coated with antenna coat, trap ends must be sanded before telescoping*; align holes and secure with screws (part C) as shown in figure 1. Telescope swage end of tubing (parts I) into tubing (parts A), align holes, and secure with screws (parts C). Place guy rings (parts D) over ends of traps (parts B) which are not color coded, and telescope this end over tubing (parts I) as shown in figure 1. Align the holes in traps (parts B) with holes in tubing (parts I) according to the frequencies listed on the frequency charts and schematic figure 3 and secure with screws (parts C). Telescope swage tubing (parts S) with swage end out into blue color coded end of traps (parts B). Align holes and secure with screws (parts C). Telescope blue color coded ends of tubing (parts E) into swage end of tubing (parts S). Align holes according to frequencies on frequency charts and schematic figure 3, and secure with screws (parts C). Press the caplug (parts F) over the ends of tubing (parts E). Assemble guy ring thimbles (parts N) to guy rings (part D) and holes in mashed end of vertical mast (part M) as shown in figure 2. Cut guy ropes AA 20 feet long from guy line supply (part O). Guy ropes AA are installed between guy rings (parts D) and vertical mast (part M). Figure 2 shows the preferred knot to be used at guy rings (parts D). Cut guy ropes BB 20 feet long and guy ropes CC 20 feet long. Guy ropes BB and CC should be installed to thimbles (parts N) on guy rings (parts D) with knot shown in figure 2 and the other ends tied to the reflector or director element as shown in figure 1. It may be necessary to readjust guy ropes after installation due to stretching and slipping of the knots.

20 METERS NORMAL SETTING: The distance of 29 inches between edge of trap covers (parts B and 8) as shown in schematic figure 3. The distance is obtained by aligning the hole color coded three blue in swage tubing (parts I) with the hole in trap assembly (parts B). See figure 1 and frequency charts.

20 METERS EXTENDED SETTING: The distance of 30 1/2 inches between edge of trap covers (parts B and 8) as shown in schematic figure 3. This distance is obtained by aligning the hole color coded two blue in swage tubing (parts I) with hole in traps assembly (parts B). See figure 1 and frequency charts.

40 METERS WITH 20 METERS NORMAL: The distance of 29 inches between trap covers (parts B and 8) and the setting of the holes color coded one blue or two blue on the tubing (parts E). See figure 1 and frequency charts.



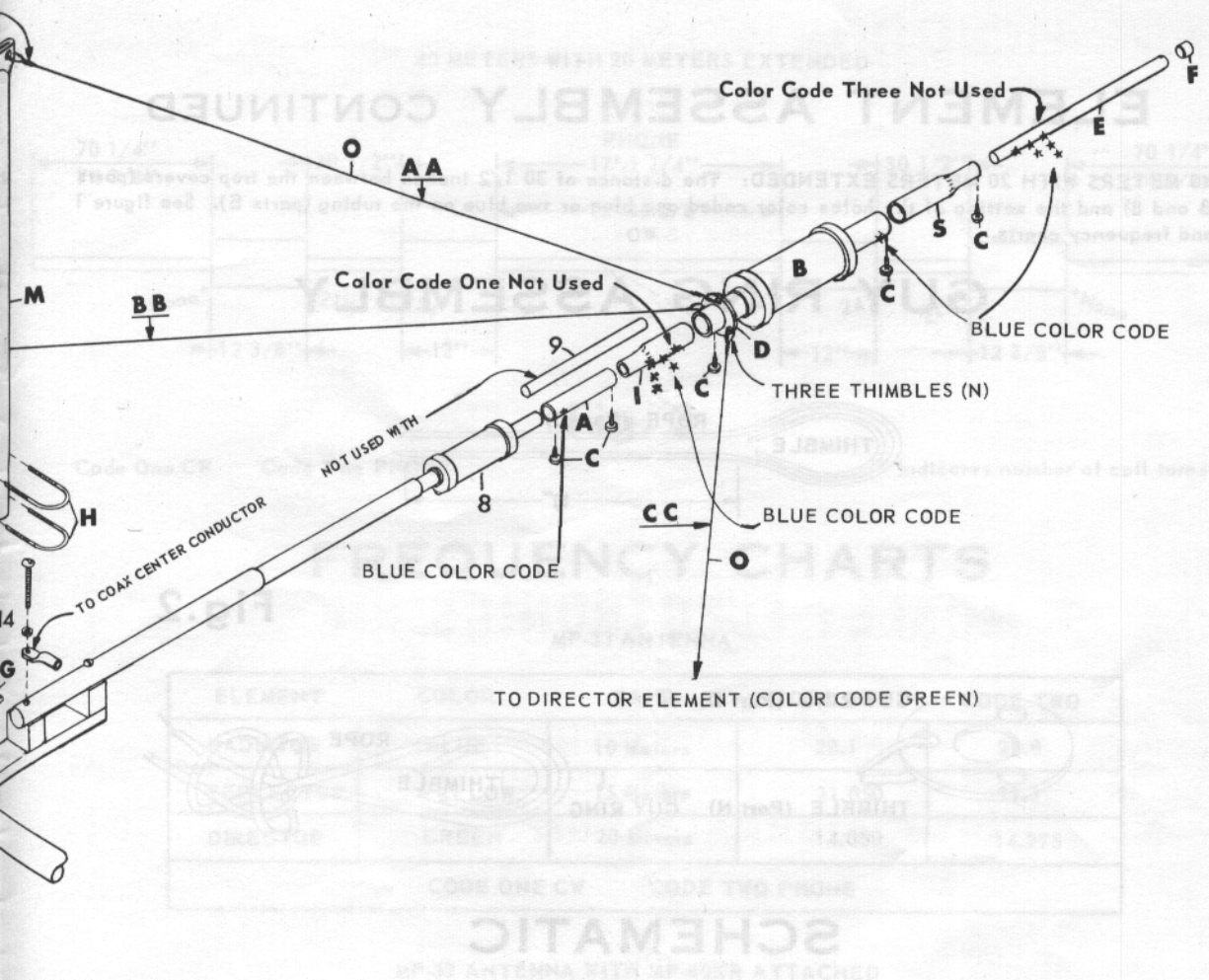


Fig. 1

ELEMENT ASSEMBLY CONTINUED

40 METERS WITH 20 METERS EXTENDED: The distance of 30 1/2 inches between the trap covers (parts B and 8) and the setting of the holes color coded one blue or two blue on the tubing (parts E). See figure 1 and frequency charts.

GUY RING ASSEMBLY

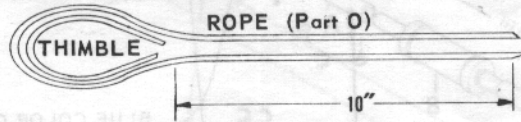
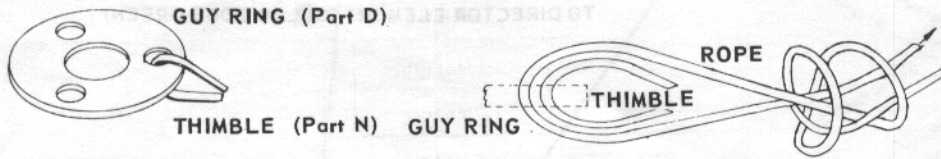


Fig. 2



SCHEMATIC

40 METERS WITH 20 METERS NORMAL

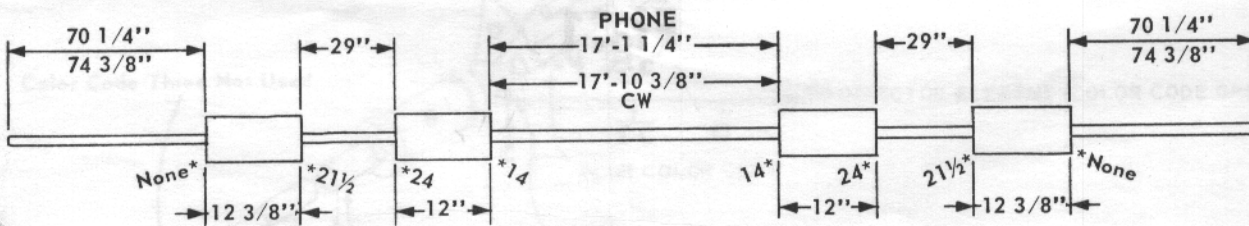


Fig. 3

Code One CW Code Two PHONE

*Indicates number of coil turns

40 METERS WITH 20 METERS EXTENDED

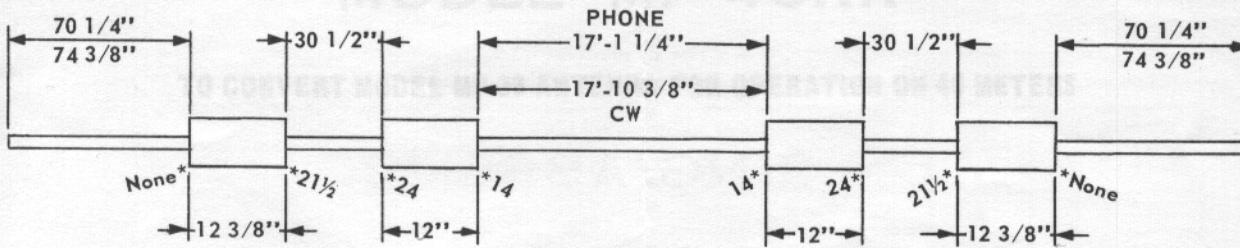


Fig. 3

Code One CW

Code Two PHONE

* Indicates number of coil turns

FREQUENCY CHARTS

MP-33 ANTENNA

ELEMENT	COLOR	BAND	CODE ONE	CODE TWO
RADIATOR	BLUE	10 Meters	28.1	28.8
REFLECTOR	YELLOW	15 Meters	21.050	21.3
DIRECTOR	GREEN	20 Meters	14.050	14.275
CODE ONE CW			CODE TWO PHONE	

MP-33 ANTENNA WITH MP-40KR ATTACHED

MP-33 Antenna Set For CW

BAND	CODE 1	CODE 2	CODE 3
10 Meters	28.100	Not Used	_____
15 Meters	21.050	Not used	_____
20 Meters Normal	Not Used	Not Used	14.200
40 Meters with 20 Meters Normal	7.120	7.250	Not Used
20 Meters Extended	Not Used	14.100	Not Used
40 Meters with 20 Meters Extended	7.100	7.200	Not Used

MP-33 Antenna Set For PHONE

BAND	CODE 1	CODE 2	CODE 3
10 Meters	Not Used	28.800	_____
15 Meters	Not Used	21.300	_____
20 Meters Normal	Not Used	Not Used	14.300
40 Meters with 20 Meters Normal	7.150	7.250	Not Used
20 Meters Extended	Not Used	14.200	Not Used
40 Meters with 20 Meters Extended	7.130	7.200	Not Used

40 METERS WITH 20 METERS EXTENDED

ELEMENT ASSEMBLY CONTINUED

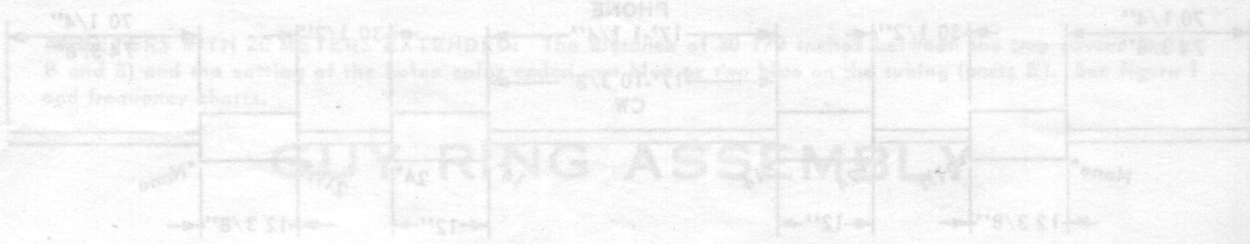


Fig. 3

MOSLEY ELECTRONICS INC. Fig. 2

**4610 N. Lindbergh Blvd.
Bridgeton, Missouri 63044**

ELEMENT	COLOR	BAND	CODE TWO
RADIATOR		10 Meters	28.800
REFLECTOR		12 Meters	24.900
DIRECTOR		15 Meters	21.300

Fig. 2

BAND	CODE 1	CODE 2	CODE 3
10 Meters	28.800	Not Used	Not Used
12 Meters	24.900	Not Used	Not Used
15 Meters	21.300	Not Used	Not Used
17 Meters	17.700	Not Used	Not Used
20 Meters	14.300	Not Used	Not Used
30 Meters	7.100	Not Used	Not Used
40 Meters	7.100	Not Used	Not Used
50 Meters	14.100	Not Used	Not Used
60 Meters	5.100	Not Used	Not Used

BAND	CODE 1	CODE 2	CODE 3
10 Meters	28.800	Not Used	Not Used
12 Meters	24.900	Not Used	Not Used
15 Meters	21.300	Not Used	Not Used
17 Meters	17.700	Not Used	Not Used
20 Meters	14.300	Not Used	Not Used
30 Meters	7.100	Not Used	Not Used
40 Meters	7.100	Not Used	Not Used
50 Meters	14.100	Not Used	Not Used
60 Meters	5.100	Not Used	Not Used

FORM NO. H-145

LITHO in U.S.A.