THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

B

A-2445

COIL DATA		
SPECIFICATIONS	PRIMARY	SECONDARY
CAM	.250	TEST WITH OHMMETER FOR CONTINUITY ONLY.
CAM GEAR	105	
CAM DRIVER	69	
IND ± 10%	140 μh	
Q	40 OR GREATER	
TEST FREQ.	790 KC	
COND(μμF)	12	

WINDING DATA		
TURNS	160	17
WIRE	WI-107-17	WI-107-17

WINDING INSTRUCTIONS

1- WIND PRIMARY 160 TURNS (ITEM 5) STARTING 1/4 FROM END OF COIL FORM. STAKE ENDS WITH GL-103 (ITEM 10).

2- CLOSE WIND SECONDARY 17 TURNS (ITEM 5) STARTING 1/16 FROM END OF PRIMARY. STAKE ENDS WITH GL-103 (ITEM 10).

3- COLOR CODE COIL BASE AS SHOWN.

4- STRIP & TIN LEADS. SOLDER THEM TO PROPER COLOR-CODED TERMINALS ON BASE.

5- MEASURE Q & IND. W/O CORE.

6- BAKE FOR 1/2 HOUR AT 215°F. SATURATE COILS WITH GL-104-2 (ITEM 11)

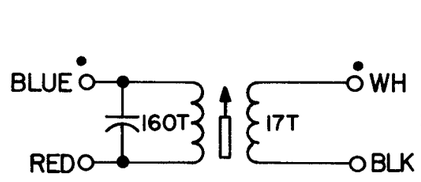
7- BAKE HARD FOR 1/2 HOUR AT 215° F.

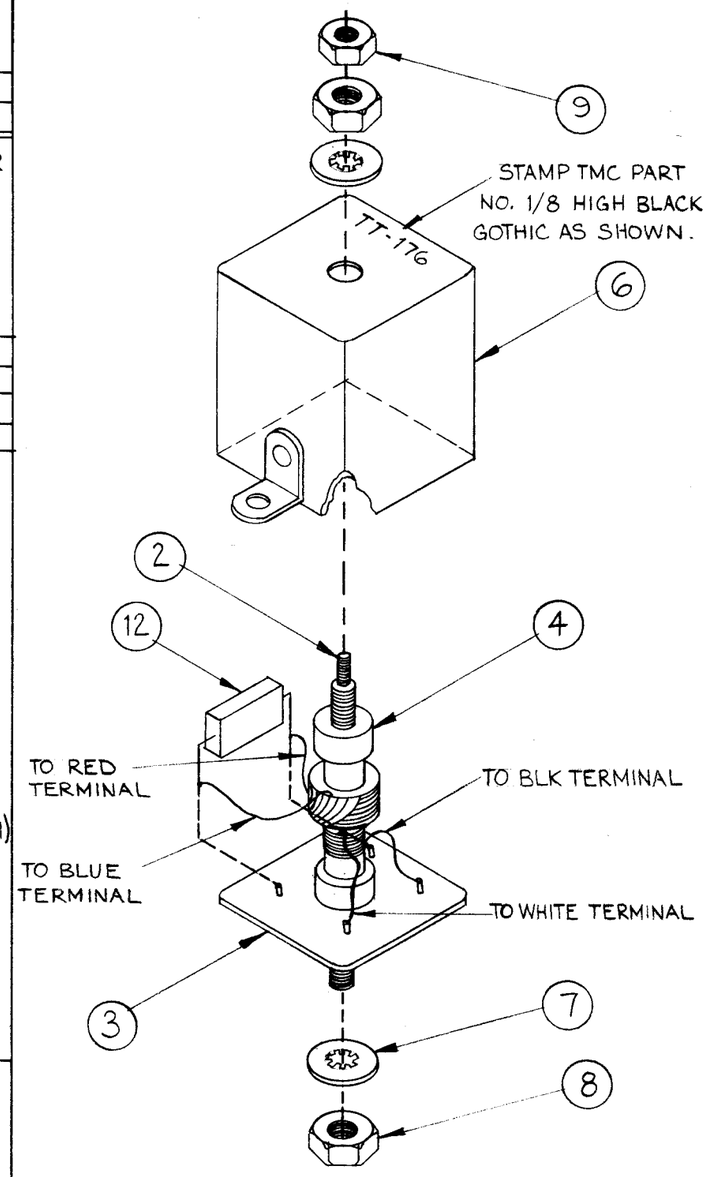
8- SOLDER COMPONENT LEADS TO TERMINALS.

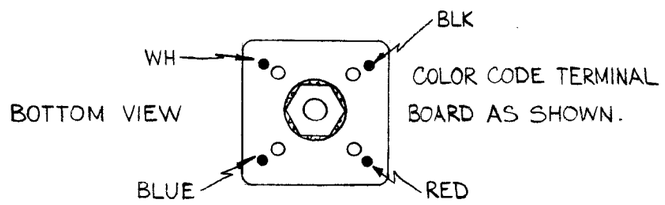
9- ASSEMBLE AS PER ASSEMBLY DRAWING. PLACE IN CAN.

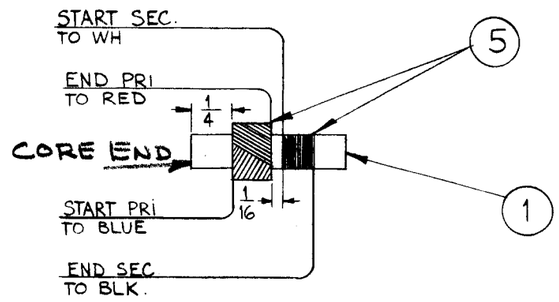
NOTE ~

USE BOONTON CORP. Q METER MODEL 160A OR EQUIV.









WIRING DETAIL

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	13	BS-100	SOLDER, SOFT	
1	12	CM 15D120G03YY	CAPACITOR, FIXED MICA	
X	11	GL-104-2	ADHESIVE, U85	
X	10	GL-103	ADHESIVE, DUCO	
1	9	NTH0348BN6	NUT, HEX	
2	8	NTH0832BN10	NUT, HEX	
2	7	LWI08MRN	WASHER, LOCK, INTERNAL	
1	6	A-1950-4	CAN ASS'Y.	
X	5	WI-107-17	WIRE, MAGNET #36 DSB	
2	4	SM-140-2	BUSHING, COIL MTG.	
1	3	PX-585-1	TERMINAL BOARD, TRANSF. 4 LUGS	
1	2	CI-116-6	CORE, TUNING	
1	1	CF-122-1.00	FORM, COIL .250 O.D.	

STRUMER

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	CHG ITEM 12 P/N	8-24-72	20799	GE	EJ	EJ
A	ITEM (12) WAS CM-15D120G DESCRIPTIONS UPDATE	10-23-63	10246	G.D.L		

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°

SCALE: DO NOT SCALE

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
1	HFS-1	3500		8-15-62

USED ON

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TT-176 ASS'Y.

(TRANSFORMER, RF TUNED, 2MC) 3500 DECK

STOCK SIZE | MATERIAL | TYPE & TEMPER | HEAT TREAT. SPEC. | FINISH & SPEC. NO.

DRAWN: W.A.G. | CHECKED | FINAL APPROVAL

ELEC. DES. APP. | MECH. DES. APP.

A-2445 B

TMC FORM NO. 109

DEFIANCE NO. 1020 38425