

A-2259

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COIL DATA		
Specifications	Primary	Secondary
Cam	.250	---
Cam Gear	109	---
Cam Driver	50	---
Ind (uh)	1.35-1.65	---
Q	35-45	---
Coil Res. Ω	0	0
Freq. (Mc)	7.9	---
Cond. UUF	2000	---
Res. Ext.	15,000	---
WINDING DATA		
Turns	16	2
Wire	40/44	#30 DSC

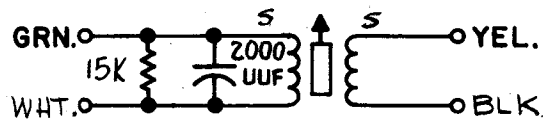
STAMPTMC PART NO. $\frac{1}{8}$ HIGH BLACK GOTHIC.

TO YEL. TERM. TO BLK. TERM.
TO WHT. TERM. TO GRN. TERM.

Winding Instructions:

1. Wind primary first 16 turns of Item 5, starting 1/2" from end. Stake ends with Item 10.
2. Wind secondary 2 turns of Item 6, starting 1/16" from START OF PRIMARY IN SAME DIRECTION AWAY FROM PRIMARY. STAKE ENDS WITH ITEM 10.
3. Color code coil base as shown.
4. Strip and tin leads. Solder them to proper color-coded terminals on base.
5. Measure Q, Ind, Res. w/o core.
6. Bake for 20 minutes at 215°F. Saturate coil with Item 11.
7. Solder component leads to terminals.
8. Assemble as per drawing and place in can.

SCHEMATIC DIAGRAM

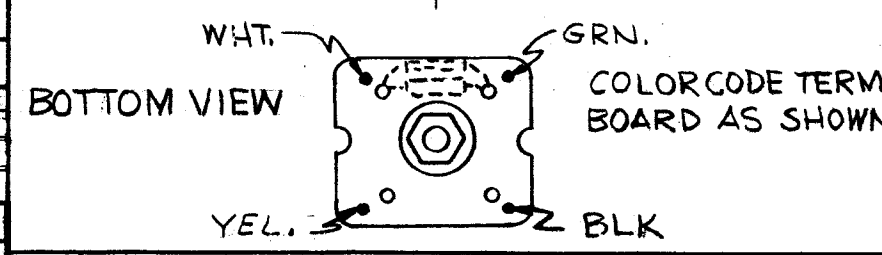
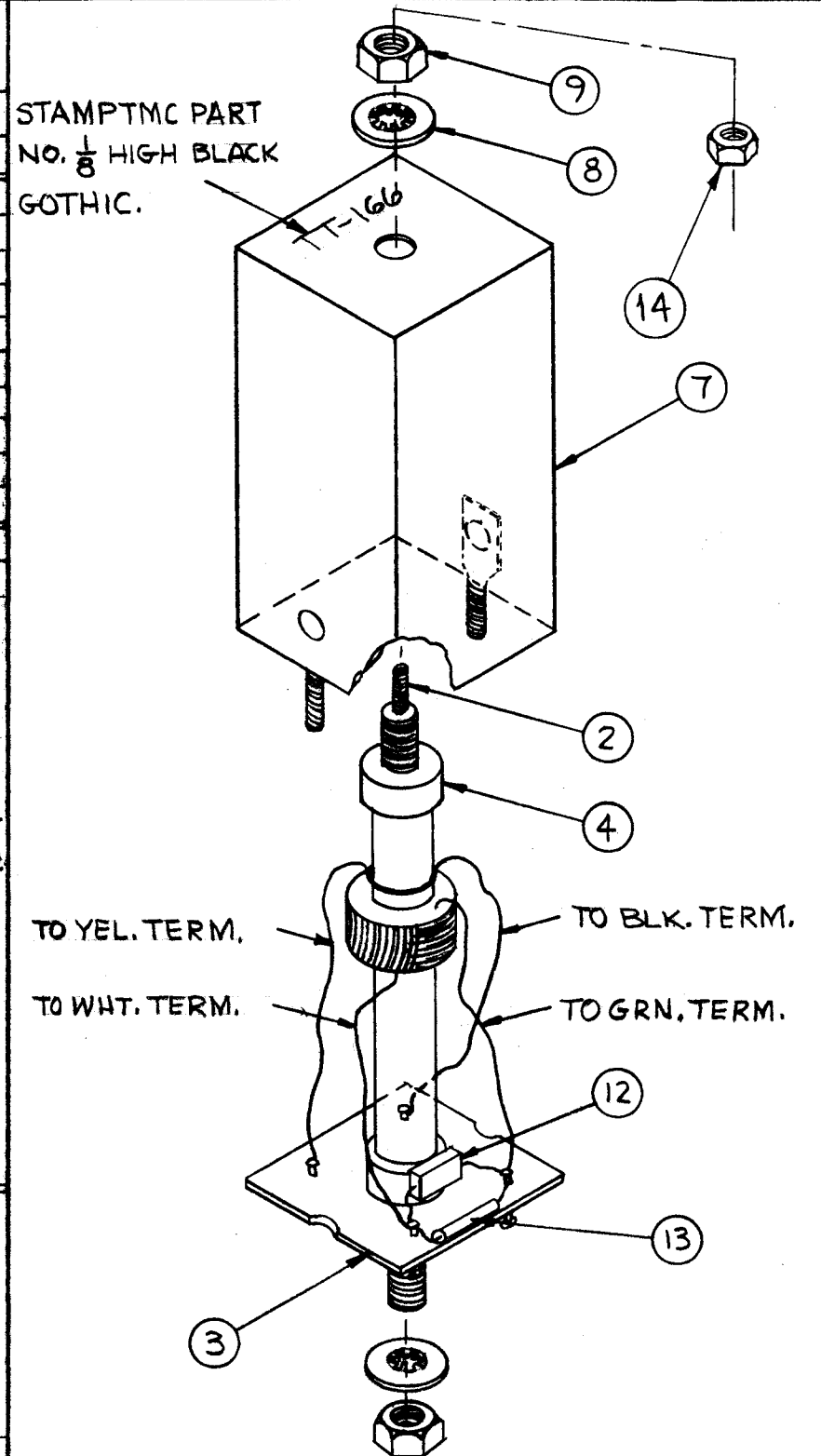


S- INDICATES START OF WINDING

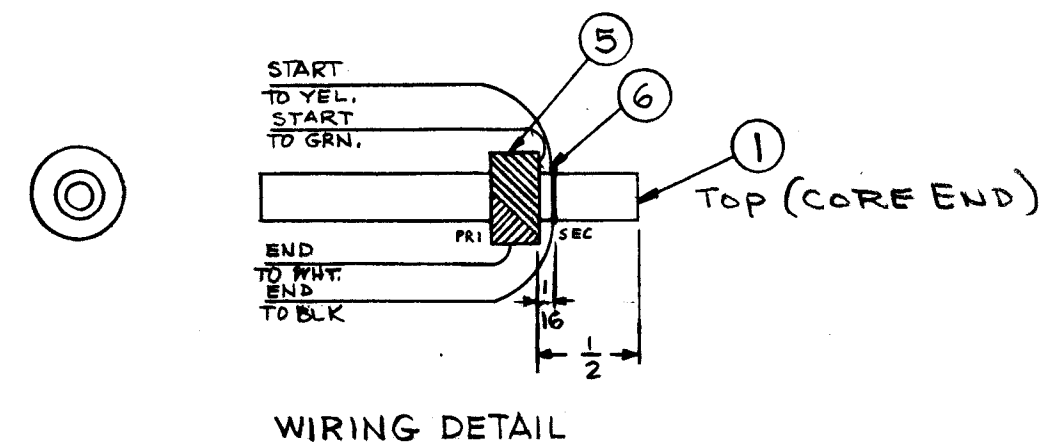
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
F	IT. 12 WAS CM112E202D3C, IT. 13 WAS RC20GF153K	2-28-67	17844			
E	WIRING DETAIL - DELETED 15/32 & ADDED 1/32 WINDING INSTR. - STEP 2 REVISED.	6-9-66	16366			
D	ITEM 15 ADDED	8-4-64	12047			
C	SEE EMN #10829 FOR CHG.	2-5-64	10829	AM.	TR.	
B	ITEM 14 ADDED TO PICT. & BLD UP	11/13/63	10412			
A	ITEM (3) WAS PX-635	9-21-62	7378			

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS $\pm 1/64$ DECIMALS $\pm .005$ ANGLES $\pm 1/20^\circ$

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	HFR-1/C			12-8-61
	USED ON			



REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	15	BS100	SOLDER, TIN ALLOY	
I	14	NTH0348BN6	Nut, Hex	
	13	RC20GF153J	Resistor, Carbon, Fixed	
	12	CM112F202D5S	Capacitor, Fixed, 2000 UUF	
X	11	GL-102	Q-Dope	
X	10	GL-103	Duco	
	9	NTH0832BN8	Nut, Hex	
	8	LWI08MRN	Lockwasher, Int.	
	7	A-3029-1	Can Ass'y.	
X	6	WI-107-11	Magnet, Wire, DSC	
X	5	WI-104-40445SP-QS	Wire, Litz 40/44	
	4	SM-140-2	Bushing, Coil, Mtg.	
	3	PX-635-1	Term. Board, Trans., 4 Lugs	
	2	CI-126-1	Core, Tuning	
	1	CF-122-1.93	Coil Form, .250 O.D.	

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			GELLMAN	
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
TT-166 ASSY.				
MATERIAL				
TYPE & TEMPER HEAT TREAT. SPEC.				
FINISH & SPEC. NO.				
			AB	HP
			CHECKED	FINAL APPROVAL
			A-2259 F	