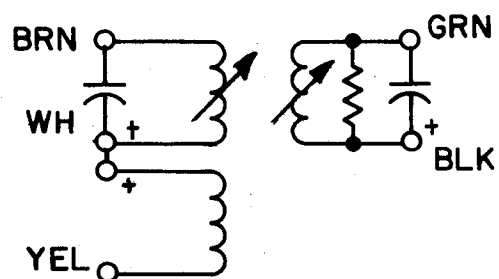


COIL DATA			
SPECIFICATIONS	PRIMARY	SECONDARY	LINK
CAM	.250	.250	.250
CAM GEAR	105	105	105
CAM DRIVER	69	69	69
IND (uh)	220-240	290-310	±25±10%
Q	40 OR GREATER	40 OR GREATER	>7.5
COIL RES. Ω	10.5	12.5	3.5
FREQ. (kc)	790	790	2.5 MC
COND (PF)	1000	1000	NONE
EXT. RES. Ω		56K	

WINDING INSTRUCTIONS			
URNS	200	225	45 APPROX.
WIRE	#38 DSC	#38 DSC	#38 DSC

- WINDING DATA**
1. Wind primary first 200 turns (item 6) starting 1/2 from end. Stake ends with item 10.
 2. Wind link over primary, 45 turns.
 3. Wind secondary 1/8 from end of primary 225 turns (item 6). Stake ends with item 10.
 4. Color code coil base as shown.
 5. Strip & tin leads. Solder them to proper color-coded terminals on base.
 6. Measure Q, IND, RES. w/o core.
 7. Bake for 15 min at 220°F. Saturate coils with item 11.
 8. Solder component leads to terminals.
 9. Apply all leads with GL-102 (item 11).
 10. Assemble as per assembly drawing, place in can.

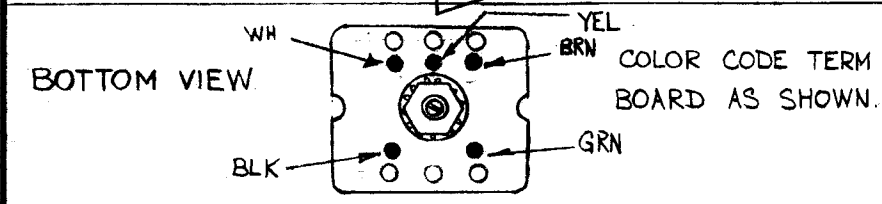
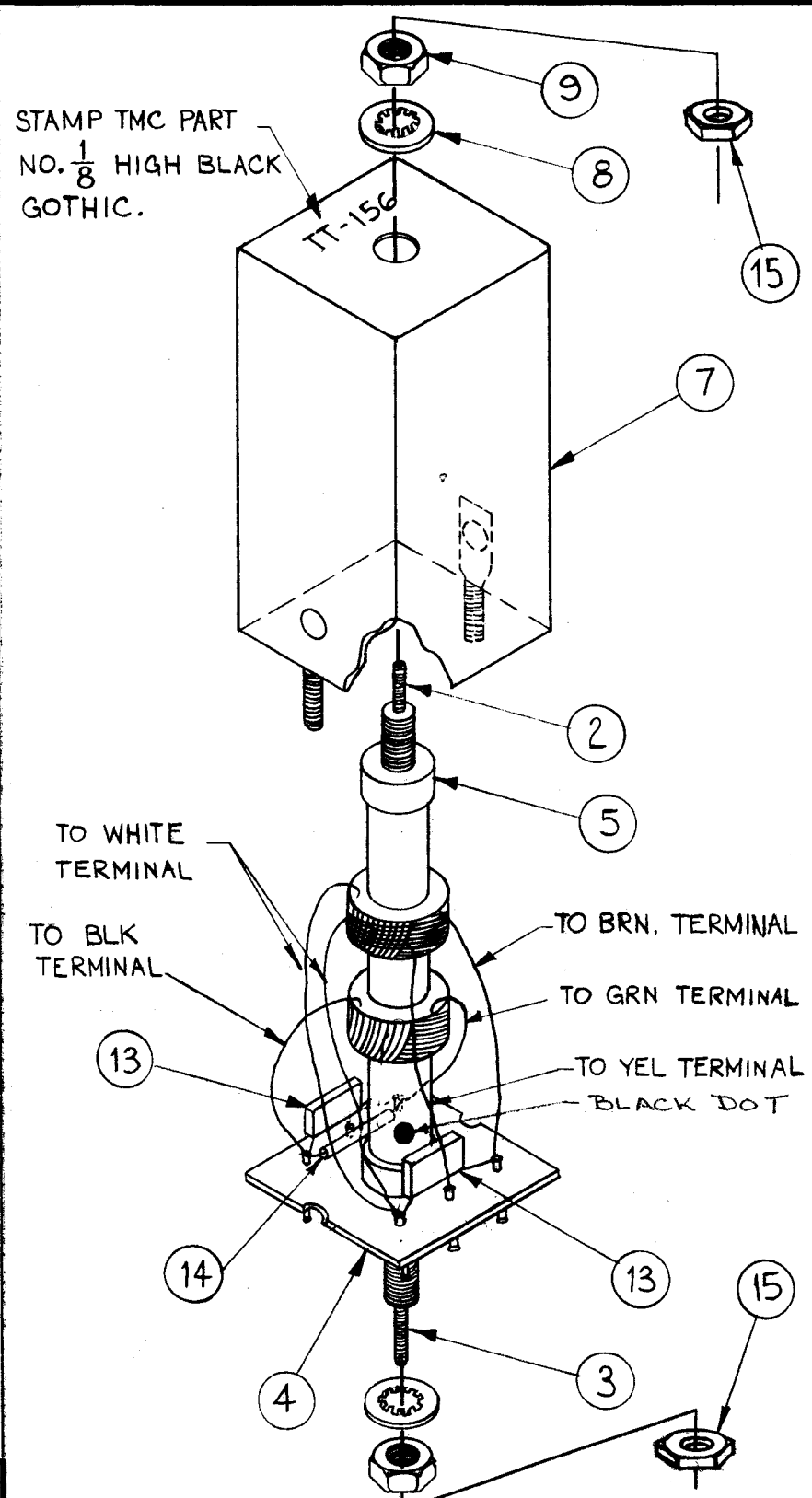


SCHEMATIC DIAGRAM
+ INDICATES START OF WINDING

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
E	"Q" PRI WAS 35-45; "Q" SEC WAS 35-50	10.19.66	17058	WHD	RS	[Signature]

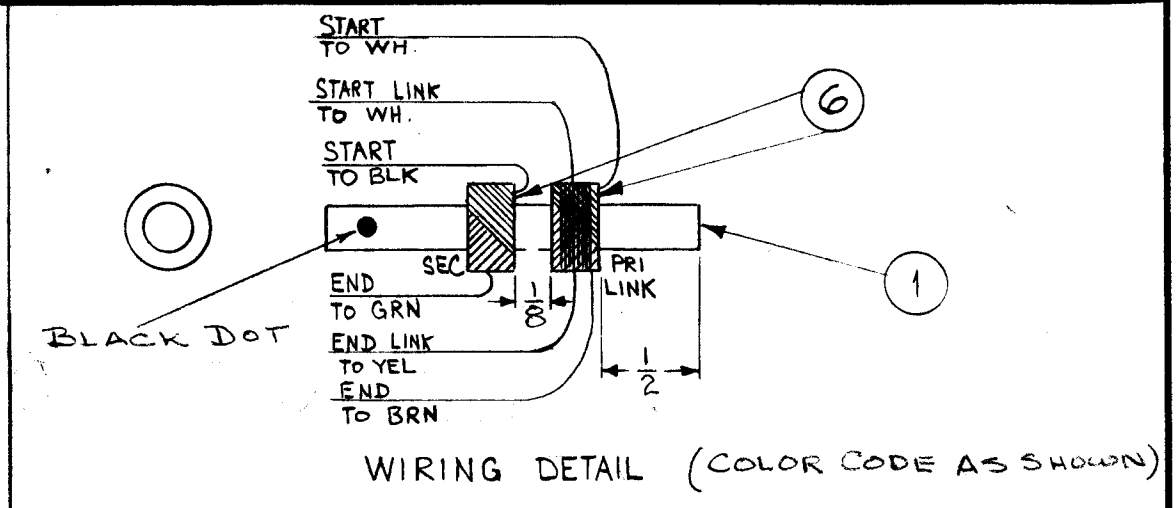
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°

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	HFI-1			9-19-61
1	SBS-1			9-19-61

USED ON



WIRING DETAIL (COLOR CODE AS SHOWN)

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
2	15	NTH0348BN6	NUT, HEX	
1	14	RC20GF563K	RESISTOR, FIXED CARBON	
2	13	CM111E102H1S	CAPACITOR, FIXED, 1000MFD 3%	
X	12	BS-100	SOLDER, SOFT	
X	11	GL-102	Q-DOPE	
X	10	GL-103	DUCO	
2	9	NTH0832BN8	HEX, NUT	
2	8	LWI08MRN	LOCKWASHER, INTERNAL	
1	7	A-3088-1	CAN ASS'Y	
X	6	WI-107-19	MAGNET WIRE #38	
2	5	SM-140-2	BUSHING, COIL MTG	
1	4	PX-610	TERM. BOARD, TRANSF. 6 LUGS	
1	3	CI-116-17	CORE, TUNING	
1	2	CI-116-6	CORE, TUNING	
1	1	CF-122-1.93	COIL FORM .250 O.D.	

REQ.	ITEM	PART NO.	M. GELLMAN	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK					
TT-156 TRANSFORMER ASS'Y. (TRANSF IF TUNED).					
MATERIAL					
TYPE & TEMPER		HEAT TREAT. SPEC.		DRAWN CHECKER FINAL APPROVAL	
FINISH & SPEC. NO.		ELEC. DES. APP. MECH. DES. APP.		A-2152 E	