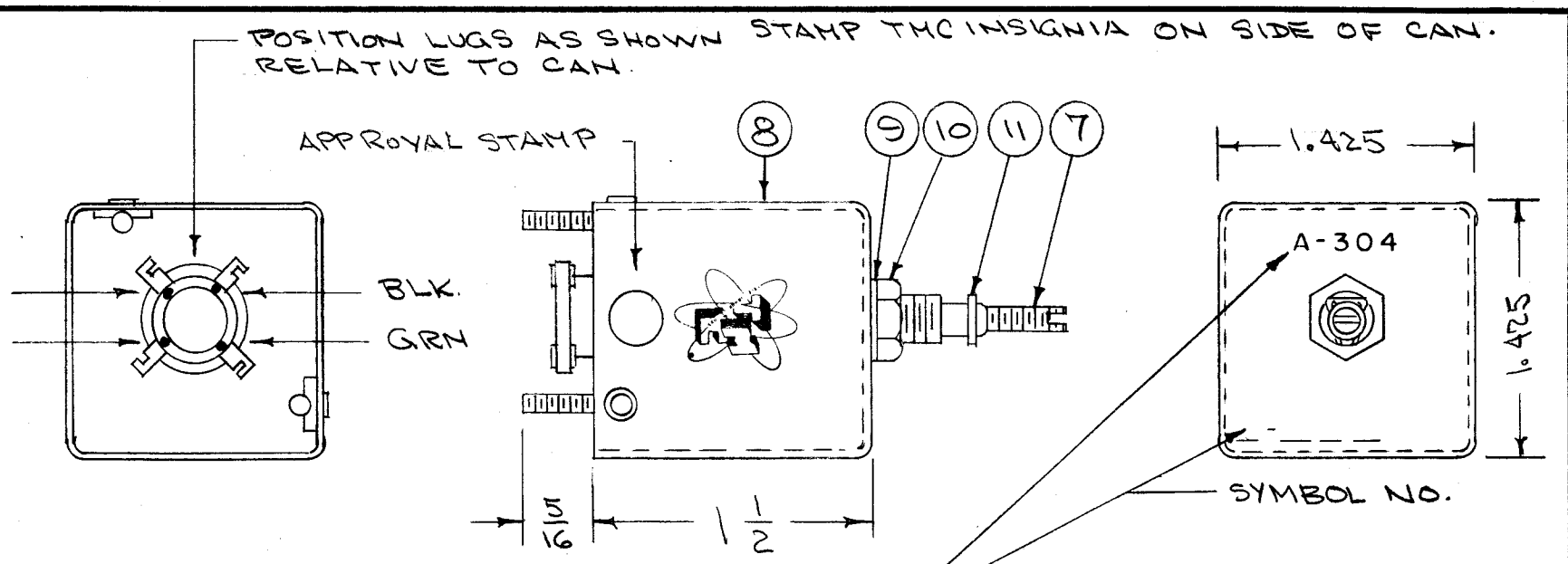
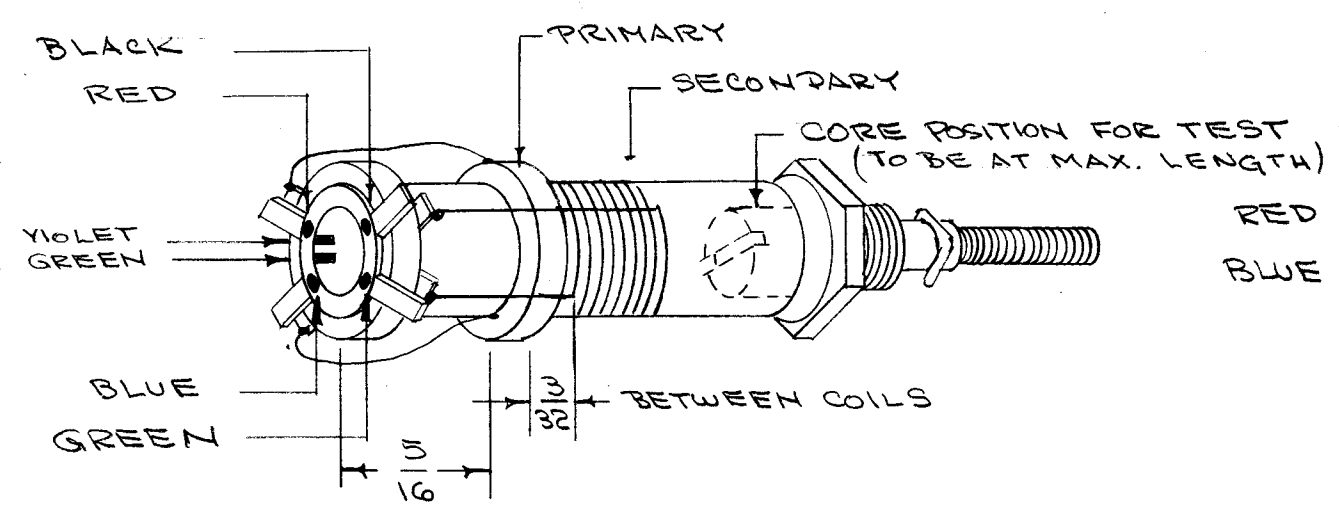


A-304

CEMENT ITEM 6 (COLLAR) TO COIL FORM WITH ITEM 4. COLOR CODE END OF COIL FORM AS BELOW.



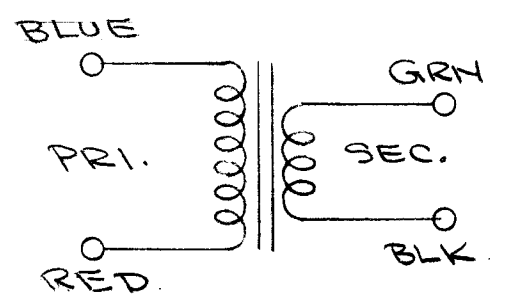
COIL MACHINE DATA - PRIMARY
 DRIVER GEAR 81
 CAM GEAR 86
 CAM .093

- WINDING DATA**
- 1- PRIMARY - STARTING AT BLUE LUG, UNIVERSAL WIND $50\frac{3}{4}$ TURNS OF ITEM 2 ENDING AT RED LUG.
 - 2- SECONDARY - STARTING AT GREEN LUG, CLOSE WIND $13\frac{1}{4}$ TURNS OF ITEM 3 ENDING AT BLACK LUG.
 - 3- STAKE COIL ENDS WITH ITEM 4. (GL-103) CEMENT, DUCCO
 - 4- BAKE FOR $\frac{1}{2}$ HOUR AT 215° F.
 - 5- SATURATE COILS WITH ITEM 5. (GL-102) Q-MAX
 - 6- BAKE FOR $\frac{1}{2}$ HOUR AT 215° F.
 - 7- REPEAT STEPS 5 & 6.
 - 8- STRIP, TIN & SOLDER CONNECT LEADS AS ABOVE

TEST DATA (SEE ABOVE FOR CORE POSITION)
 TEST LEADS TO BE APPROX. $\frac{1}{4}$ ". NO CAN NEEDED FOR TEST.

	PRIMARY	SECONDARY
	BLUE/RED	GREEN/BLACK
L μ h	52.5 (49.9 - 55.1)	2.4 (2.28 - 2.52)
Q	40 OR GREATER	*95 OR GREATER
F	2.5 MC	7.9 MC

* PLACE A 30μ uf CAPACITOR ACROSS PRIMARY TO READ A SECONDARY Q OF 95 OR GREATER.



USE BOONTON Q METER 160A OR EQUIV.

FREQ. RANGE - 7.9 - 16.4 MC.

X 12	BS-100	SOLDER, SOFT	
1 11	SP-102	SPRING, LOCK P/O CF-114	
1 10	NT-102	NUT, HEX P/O CF-114	
1 9	LWI 25 LRC	WASHER, LOCK P/O CF-114	
1 8	A-173	CAN ASSY.	
1 7	CI-109-19	CORE	
1 6	TE-146-A	COLLAR & LUGS	
X 5	GL-102	Q MAX	
X 4	GL-103	CEMENT, DUCCO	
X 3	WI-107-7	WIRE, MAGNET #26 DSC	
X 2	WI-107-15	" " #34 DSC	
1 1	CF-114-3	COIL FORM	

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
TRANSFORMER ASSY.			
RF, T701, BAND 7			
TYPE & TEMPER		HEAT TREAT. SPEC.	DRAWN
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	1	COMPLETE REVISION SUPERSEDES A-300	9/24/36	1		P.L.X. A.J.J.	

REQ. PER UNIT	MODEL	PROJECT NO.	ASSY. NO.	DATE
1	FFRD-7	104	A-328	9-24-36

USED ON

DEC. DIM. \pm
 FRAC. DIM. \pm
 ANGULAR DIM. \pm

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