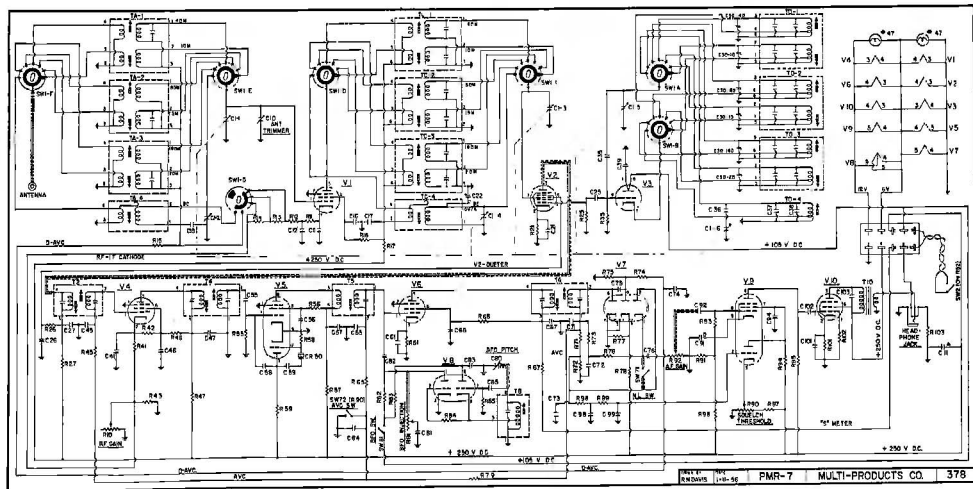


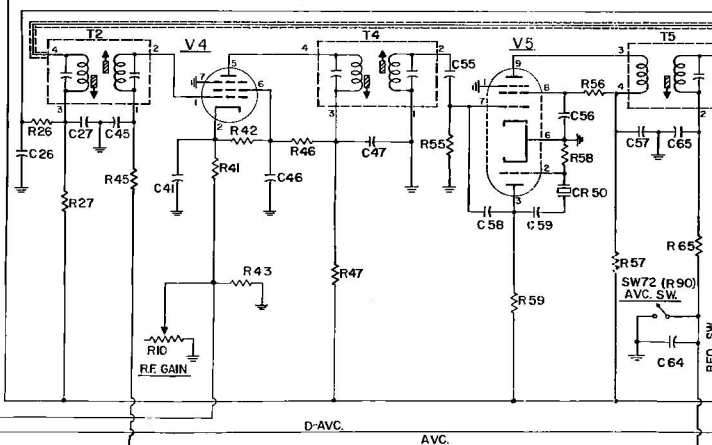
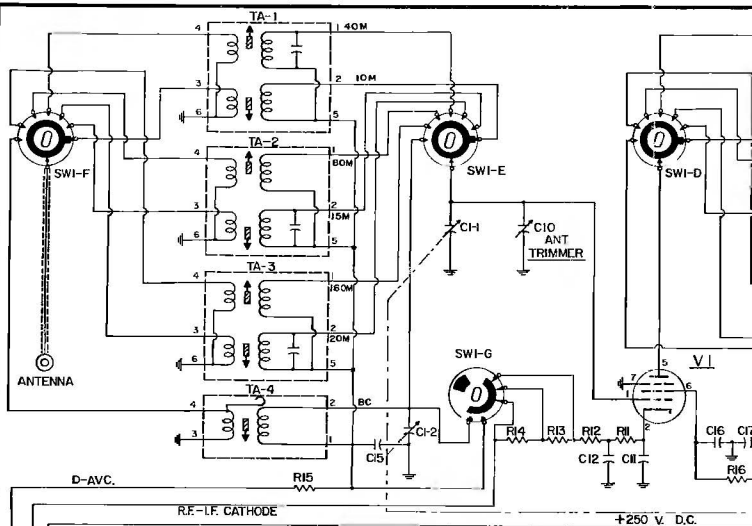


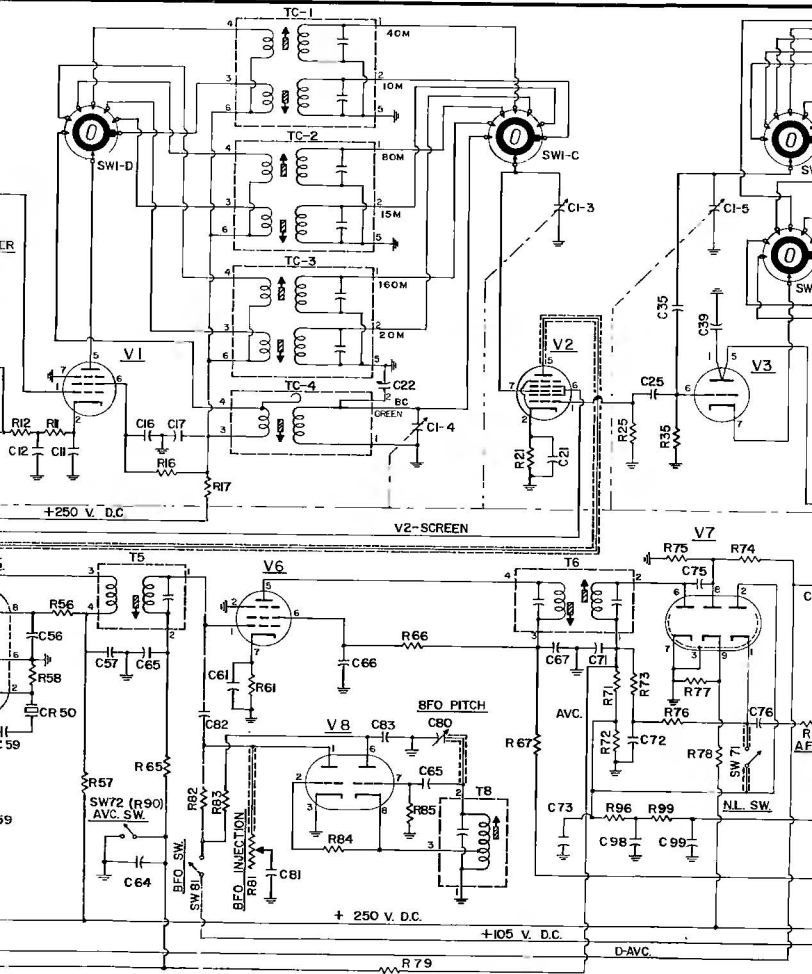
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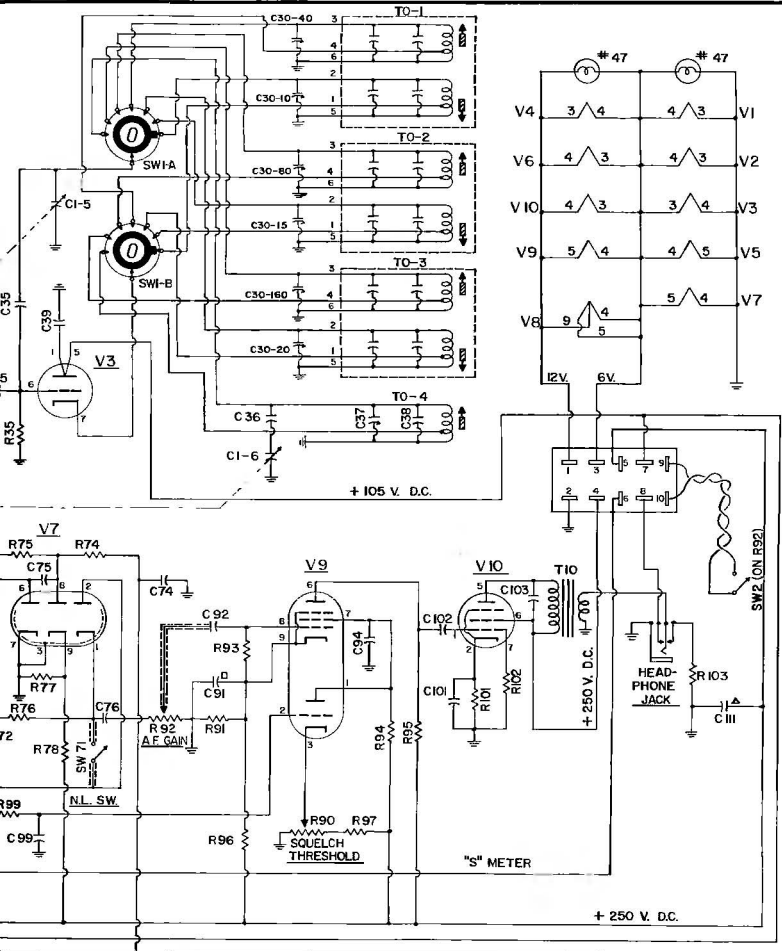
PMR-7

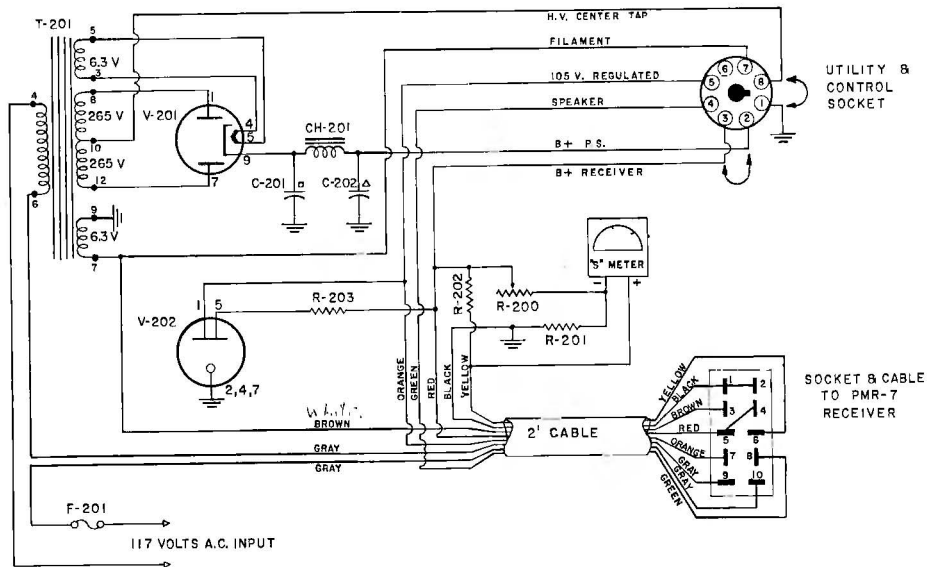
MULTI-PRODUCTS CO.

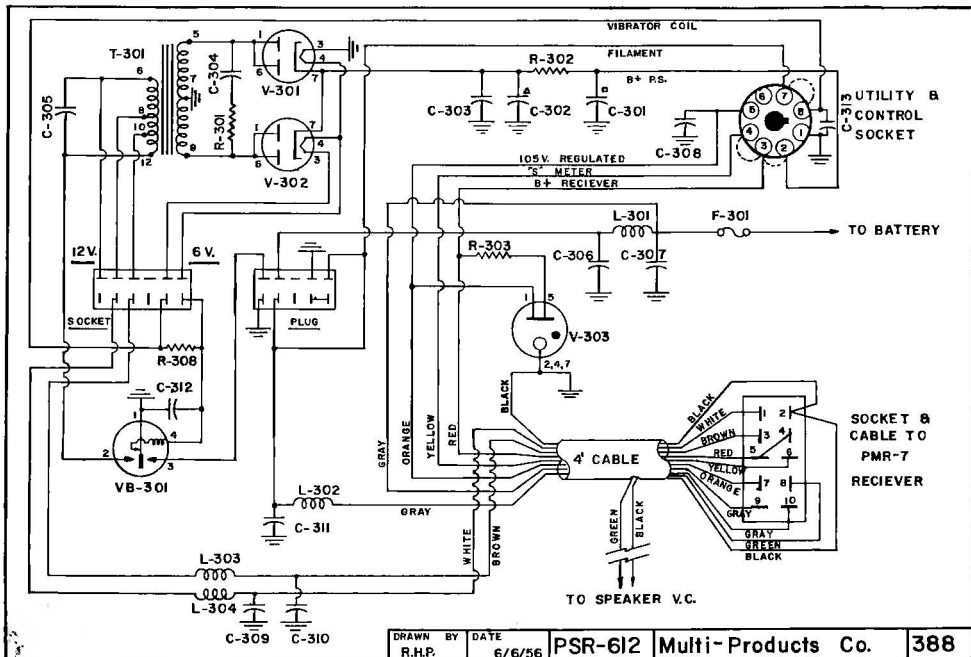
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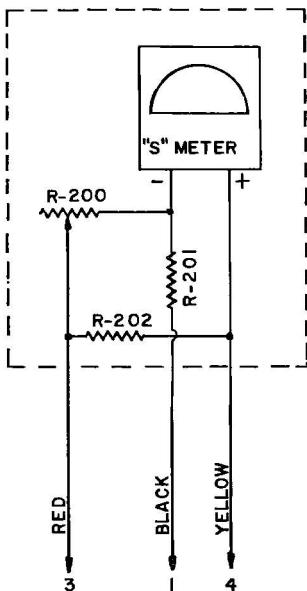






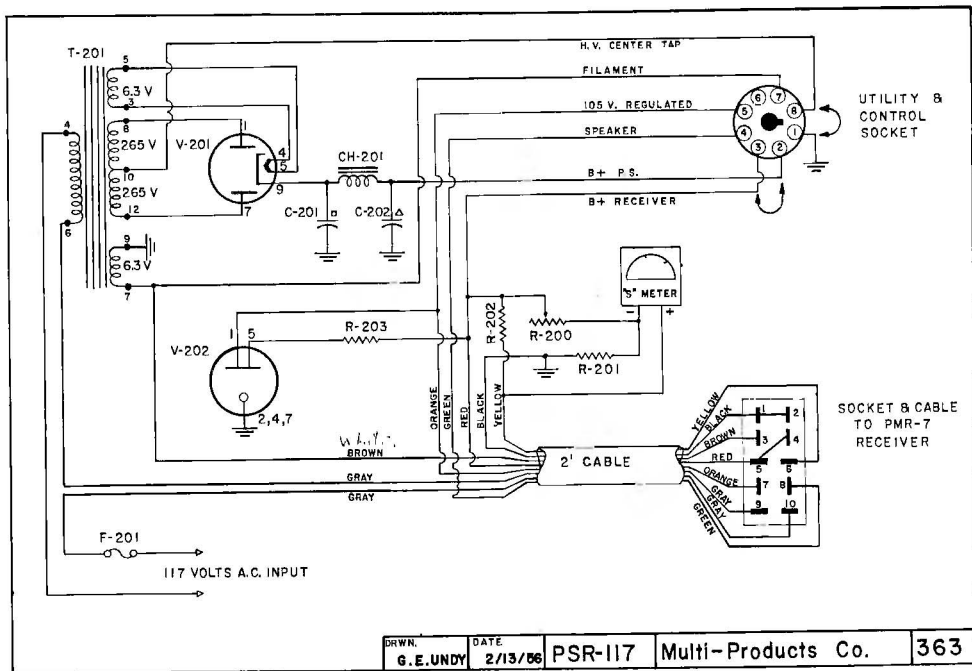


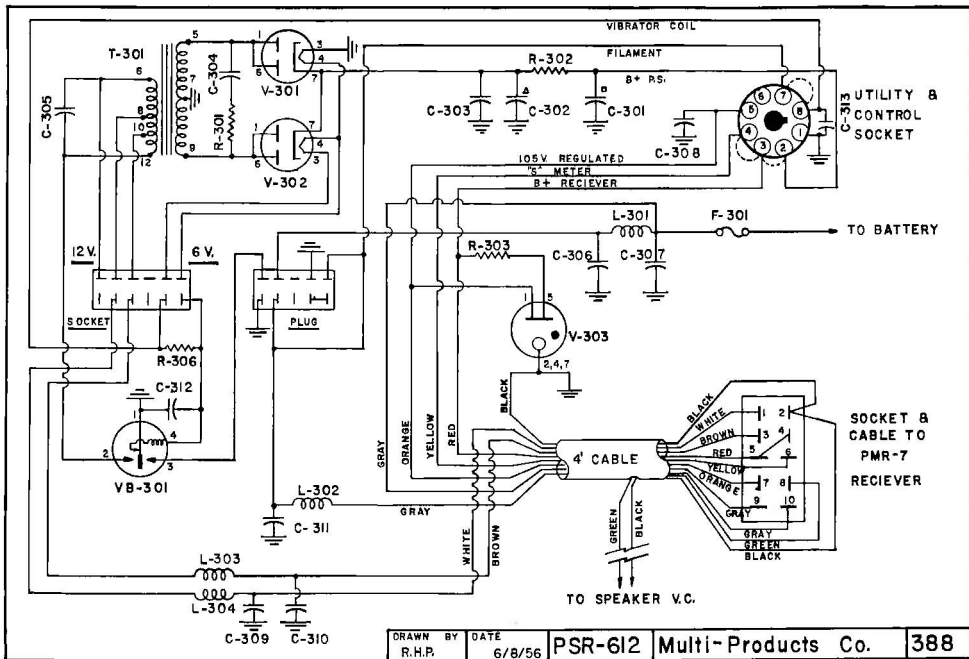




REMOVE JUMPER FROM PINS 3 AND 4
ON UTILITY & CONTROL PLUG AND
CONNECT ABOVE NUMBERED WIRES
TO CORRESPONDING UTILITY PLUG
PIN NUMBERS.

ESS-3 ACCESSORY





DRAWN BY
R.H.P.

DATE
6/8/56

PSR-612

Multi-Products Co.

388

PMR-7 Parts List

4.2

C1-1-2-3-4-5-6	Tuning Capacitor Part #326
C10	Antenna Trimmer 75 MMF Part #325-1
C11	.005 MFD Dual Disc Ceramic (Part of C16)
C12	.005 MFD Disc Ceramic
C13	.005 MFD Disc Ceramic
C16	.005 MFD Dual Disc Ceramic (Part of C11)
C17	.005 MFD Disc Ceramic
C21	.005 MFD Dual Disc Ceramic (Part of C26)
C22	5 to 25 MMF Trimmer
C25	5 MMF Silver Mica
C26	.005 MFD Dual Disc Ceramic (Part of C21)
C27	.005 MFD Dual Disc Ceramic (Part of C45)
C30-10	5 to 25 MMF Trimmer
C30-15	5 to 25 MMF Trimmer
C30-20	5 to 25 MMF Trimmer
C30-40	5 to 25 MMF Trimmer
C30-80	5 to 25 MMF Trimmer
C30-160	5 to 25 MMF Trimmer
C35	75 MMF Silver Mica
C36	200 MMF Silver Mica
C37	5 to 25 MMF Trimmer
C38	56 MMF NPO Tubular Ceramic
C39	.01 MFD Disc Ceramic
C41	.005 MFD Dual Disc Ceramic (Part of C46)
C45	.005 MFD Dual Disc Ceramic (Part of C27)
C46	.005 MFD Dual Disc Ceramic (Part of C41)
C47	.005 MFD Dual Disc Ceramic (Part of C56)
C55	75 MMF Silver Mica
C56	.005 MFD Dual Disc Ceramic (Part of C47)
C57	.005 MFD Dual Disc Ceramic (Part of C65)
C58	2 MMF Silver Mica
C59	.002 MFD Disc Ceramic
C61	.005 MFD Dual Disc Ceramic (Part of C66)
C64	.01 MFD Disc Ceramic
C65	.005 MFD Dual Disc Ceramic (Part of C57)
C66	.005 MFD Dual Disc Ceramic (Part of C61)
C67	.005 MF Disc Ceramic
C71	250 MMF Tubular Ceramic
C72	.01 MFD Disc Ceramic
C73	500 MMF Tubular Ceramic
C74	.01 MFD Disc Ceramic
C75	100 MMF Silver Mica
C76	.01 MFD Disc Ceramic
C80	24 MMF BFO Pitch Control Part #325-2
C81	.01 MFD Disc Ceramic
C82	GIMMICK
C83	.01 MFD Disc Ceramic
C85	75 MMF Silver Mica
C91	20 MFD 350 Volt Electrolytic (Part of C101 & C111)
C92	.01 MFD Disc Ceramic
C94	.03 MFD 400 Volt Paper Tubular
C98	.01 MFD Disc Ceramic
C99	.01 MFD Disc Ceramic
C101	20 MFD 25 Volt Electrolytic (Part of C91 & C111)
C102	.01 MFD Disc Ceramic
C103	.005 MFD Disc Ceramic, 1000 DCW Volts
C111	10 MFD 350 Volt Electrolytic (Part of C91 & C101)
R10	10K Ohm Potentiometer (Part of R92)
R11	100 Ohm $\frac{1}{2}$ W. Resistor
R12	68 Ohm $\frac{1}{2}$ W. Resistor
R13	470 Ohm $\frac{1}{2}$ W. Resistor
R14	470 Ohm $\frac{1}{2}$ W. Resistor
R15	100K Ohm $\frac{1}{2}$ W. Resistor
R16	15K Ohm 1 W. Resistor
R17	4.7K Ohm 1 W. Resistor
R21	180 Ohm $\frac{1}{2}$ W. Resistor

PMR-7 PARTS LIST

R25	100K Ohm	1/2 W.	Resistor
R26	220K Ohm	1/2 W.	Resistor
R27	100K Ohm	1 W.	Resistor
R35	47K Ohm	1 W.	Resistor
R41	1000 Ohm	1/2 W.	Resistor
R42	47K Ohm	1/4 W.	Resistor
R43	10K Ohm	1/4 W.	Resistor
R45	100K Ohm	1/4 W.	Resistor
R46	150K Ohm	1/4 W.	Resistor
R47	1000 Ohm	1/2 W.	Resistor
R55	6.8M Ohm	1/2 W.	Resistor
R56	150K Ohm	1/2 W.	Resistor
R57	47K Ohm	1 W.	Resistor
R58	100K Ohm	1/2 W.	Resistor
R59	150K Ohm	1/2 W.	Resistor
R61	1000 Ohm	1/2 W.	Resistor
R65	100K Ohm	1/4 W.	Resistor
R66	150K Ohm	1/4 W.	Resistor
R67	1000 Ohm	1/2 W.	Resistor
R71	220K Ohm	1/4 W.	Resistor
R72	330K Ohm	1/4 W.	Resistor
R73	3.3M Ohm	1/2 W.	Resistor
R74	1M Ohm	1/2 W.	Resistor
R75	1M Ohm	1/2 W.	Resistor
R76	1.2M Ohm	1/2 W.	Resistor
R77	5.6K Ohm	1/2 W.	Resistor
R78	100K Ohm	1 W.	Resistor
R79	1M Ohm	1/2 W.	Resistor
R81	10K Ohm Potentiometer	(Part of R90)	
R82	100K Ohm	1/2 W.	Resistor
R83	100K Ohm	1/2 W.	Resistor
R84	220K Ohm	1/2 W.	Resistor
R85	100K Ohm	1/2 W.	Resistor
R90	100K Ohm Potentiometer	(Part of R81)	
R91	100K Ohm	1/2 W.	Resistor
R92	500K Ohm Potentiometer	(Part of R10)	
R93	6.8M Ohm	1/2 W.	Resistor
R94	2.2M Ohm	1/2 W.	Resistor
R95	470K Ohm	1/2 W.	Resistor
R96	150K Ohm	1/4 W.	Resistor
R97	2.2M Ohm	1/2 W.	Resistor
R98	1M Ohm	1/4 W.	Resistor
R99	1M Ohm	1/2 W.	Resistor
R101	390 Ohm	1 W.	Resistor
R102	470K Ohm	1/2 W.	Resistor
R103	6.8 Ohm	1 W.	Resistor

SW1	A to G	Bandswitch	Part #313
SW2		ON-OFF Switch on R92	
SW71		S.P.S.T. Slide Switch (ANL)	
SW72		S.P.S.T. Switch on R90 (AVC)	
SW81		S.P.S.T. Slide Switch (BFO)	
TA-1		40 and 10 Meter Antenna Coil	Part #349
TA-2		80 and 15 Meter Antenna Coil	Part #346
TA-3		160 and 20 Meter Antenna Coil	Part #343
TA-4		Broadcast Antenna Coil	Part #341
TC-1		40 and 10 Meter Converter Coil	Part #350
TC-2		80 and 15 Meter Converter Coil	Part #347
TC-3		160 and 20 Meter Converter Coil	Part #344
TC-4		Broadcast Converter Coil	Part #342
TO-1		40 and 10 Meter Oscillator Coil	Part #351
TO-2		80 and 15 Meter Oscillator Coil	Part #348
TO-3		160 and 20 Meter Oscillator Coil	Part #345
TO-4		Broadcast Oscillator Coil	Part #340
T-2		2238 Kc. I.F. Transformer	Part #339
T-4		2238 Kc. I.F. Transformer	Part #339
T-5		262 Kc. Input I.F. Transformer	Part #338
T-6		262 Kc. Output I.F. Transformer	Part #337
T-8		262 Kc. Beat Frequency Oscillator Coil	Part #336

PMR-7 PARTS LIST

T-10	Output Transformer	Part #357
CR50	2500 Kc. Crystal	
V1	6BZ6 R.F. Amplifier	
V2	6BE6 First Mixer	
V3	6C4 H.F. Oscillator	
V4	6BJ6 2238 Kc. I.F. Amplifier	
V5	6X8 Second Mixer and Oscillator	
V6	6BA6 262 Kc. I.F. Amplifier	
V7	6BJ7 Second Detector, ANL, and DAVC	
V8	12AU7 Beat Frequency Oscillator and Isolation Amplifier	
V9	6AN8 First Audio Amplifier and Squelch	
V10	6AQ5 Audio Output Amplifier	

4.3 PSR-117 PARTS LIST

C-201	20 MFD 350 Volt Electrolytic (Part of C-202)	
C-202	20 MFD 350 Volt Electrolytic (Part of C-201)	
R-200	500 Ohm Potentiometer (S Meter Adjustment)	
R-201	47K Ohm	2W. Resistor
R-202	390 Ohm	1W. Resistor
R-203	10K Ohm	10W. Resistor
V-201	6BW4 Rectifier	
V-202	OB2 Voltage Regulator	
CH-201	8 Henry Filter Choke	Part #121C2
F-201	1½ A. Slow Blow Fuse	
T-201	Power Transformer	Part #121P71

4.4 PSR-612 PARTS LIST

C-301	20 MFD 350 Volt Electrolytic (Part of C-302)	
C-302	20 MFD 350 Volt Electrolytic (Part of C-301)	
C-303	250 MMF Tubular Ceramic	
C-304	.005 MFD 1600 Volt Disc Ceramic	
C-305	.5 MFD 120 Volt Hash Capacitor	
C-306	.5 MFD 120 Volt Hash Capacitor	
C-307	.5 MFD 120 Volt Hash Capacitor	
C-308	.01 MFD Disc Ceramic	
C-309	.01 MFD Disc Ceramic	
C-310	.01 MFD Disc Ceramic	
C-311	.002 MFD Disc Ceramic	
C-312	.002 MFD Disc Ceramic	
C-313	.002 MFD Disc Ceramic	
R-301	4.7K Ohm	1W. Resistor
R-302	600 Ohm	10W. Resistor
R-303	10K Ohm	10W. Resistor
R-306	15 Ohm	10W. Resistor
F-301	14 A. Fuse	
L-301	Hash Choke Fast #3779	
L-302	Ferrite Core Hash Choke Part #409	
L-303	Ferrite Core Hash Choke Part #409	
L-304	Ferrite Core Hash Choke Part #409	
T-301	Power Transformer	Part #121P45
V-301	6X4 Rectifier	
V-302	6X4 Rectifier	
V-303	OB2 Voltage Regulator	
VB-301	Vibrator Mollory Part #4514 or #1514, James #J-23	

4.5 ESS-3 PARTS LIST

S Meter	0 - 1 MA. D.C. 2" Square Meter	
R-200	500 Ohm Potentiometer (S Meter Adjustment)	
R-201	47K Ohm	2W. Resistor
R-202	390 Ohm	1W. Resistor

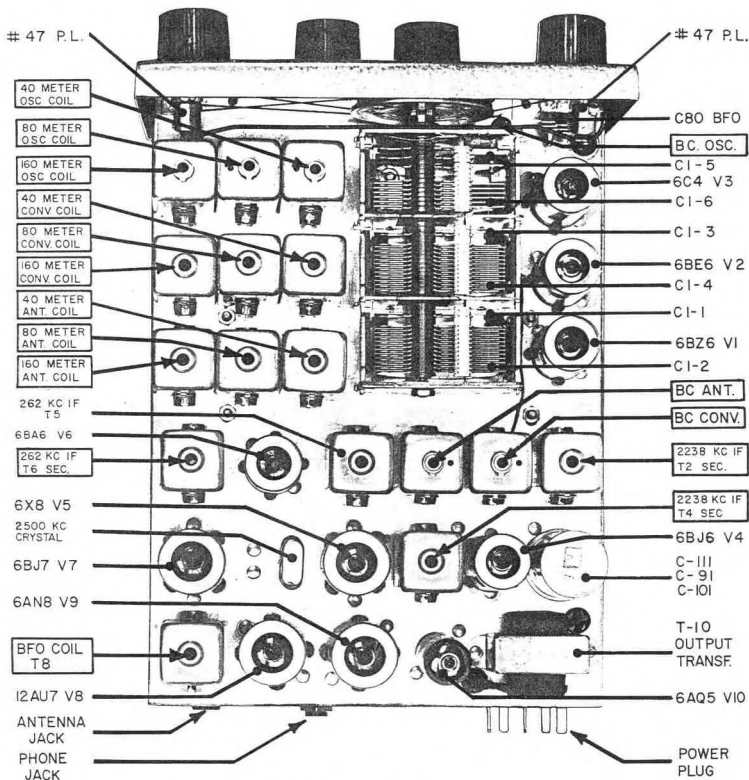


FIGURE - 7.

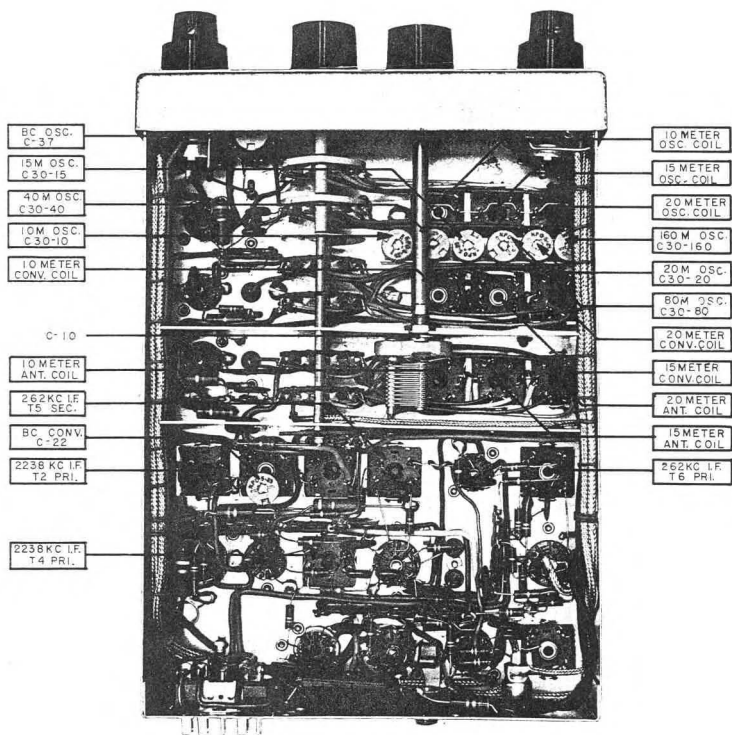


FIGURE-8.