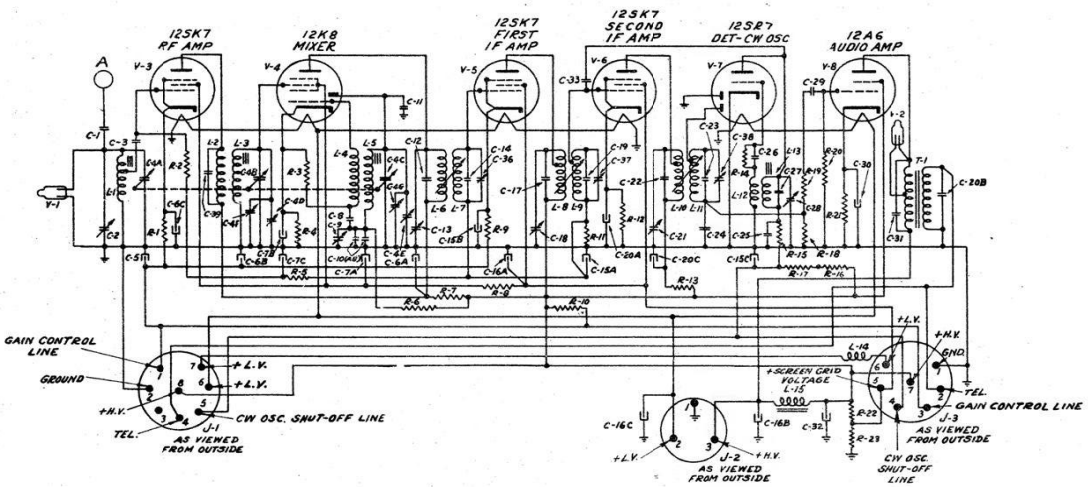
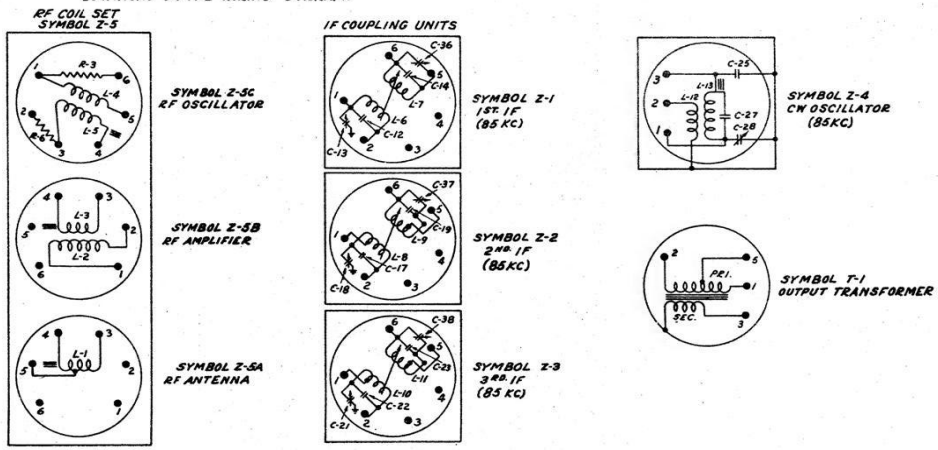
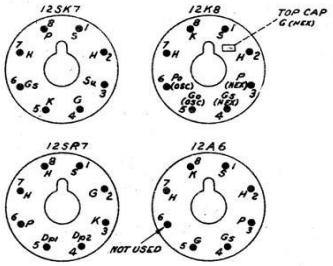


CIRCUITS IN RF COIL SET, IF COUPLING UNITS, CW OSCILLATOR, AND OUTPUT TRANSFORMER. THE TERMINAL NUMBERS ON THESE UNITS AGREE WITH THOSE SHOWN AT THE CORRESPONDING LOCATIONS ON THE WIRING DIAGRAM.



CAPACITANCES		INDUCTANCES		RESISTANCES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	OHMS
C-1	11 MMF	L-1	ANT INPUT	R-1	620
C-2	15 MMF	L-2, L-3	RF AMP	R-2	2,000,000
C-3	100 MMF	L-4, L-5	RF OSC	R-3	51,000
C-4(A TO G)	GANG (346 MMF)	L-6, L-7	IN 1ST IF	R-4	620
C-5	3 MFD	L-8, L-9	IN 2ND IF	R-5	150,000
C-6 (A,B,C)	.05/.05/.05 MFD	L-10, L-11	IN 3RD IF	R-6	510,000
C-7(A,B,C)	.05/.05/.05 MFD	L-12, L-13	CW OSC	R-7	200
C-8	200 MMF	L-14	RF CHOKE,	R-8	200
C-9	40 MMF		112 MICRO-	R-9	620
C-10(AB)	690 MMF TOTAL		HENRIES	R-10	360,000
C-11	3 MMF	L-15	AF CHOKE	R-11	100,000
C-12	180 MMF		3 HENRIES	R-12	510
C-13	17 MMF			R-13	200
C-14	180 MMF			R-14	51,000
C-15(A,B,C)	.05/.05/.05 MFD			R-15	20,000
C-16(A,B,C)	22/22/22 MFD			R-16	150,000
C-17	180 MMF			R-17	150,000
C-18	17 MMF			R-18	510,000
C-19	180 MMF			R-19	100,000
C-20(A,B,C)	.05/.01/.05 MFD			R-20	2,000,000
C-21	17 MMF			R-21	1500
C-22	180 MMF			R-22	7000
C-23	180 MMF			R-23	7000
C-24	200 MMF				
C-25	.001 MFD				
C-26	200 MMF				
C-27	345 MMF				
C-28	34 MMF				
C-29	.006 MFD				
C-30	15 MFD				
C-31	.001 MFD				
C-32	5 MFD				
C-33	3 MMF				
C-36	17 MMF				
C-37	17 MMF				
C-38	17 MMF				
C-39	120 MMF				

TUBE SOCKET TERMINALS AS VIEWED FROM BOTTOM



TUBE TERMINAL CODE

S = SHELL
H = HEATER
K = CATHODE
Su = SUPPRESSOR GRID
Dp1 = FIRST DIODE PLATE
Dp2 = SECOND DIODE PLATE
G = CONTROL GRID
Gs = SCREEN GRID
Gs(HEX) = SCREEN GRID, HEXODE SECTION
Go(osc) = CONTROL GRID, OSC SECTION
P = PLATE
P(HEX) = PLATE, HEXODE SECTION
Po(osc) = PLATE, OSC. SECTION
G(HEX) = CONTROL GRID, HEXODE SECTION

9059

Fig. 32—Type CBY-46129 Aircraft Radio Receiver (190-550 KC) Schematic

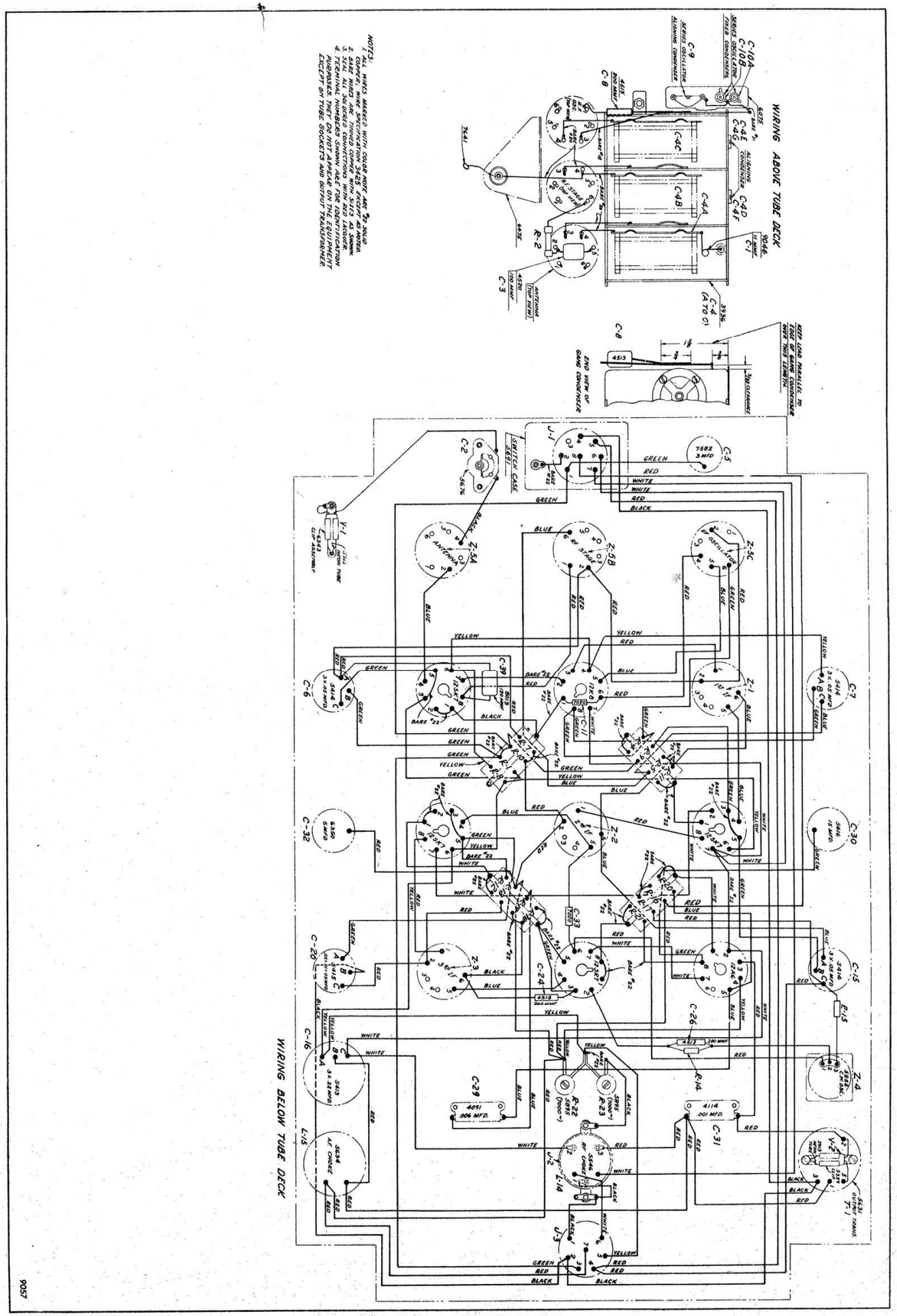
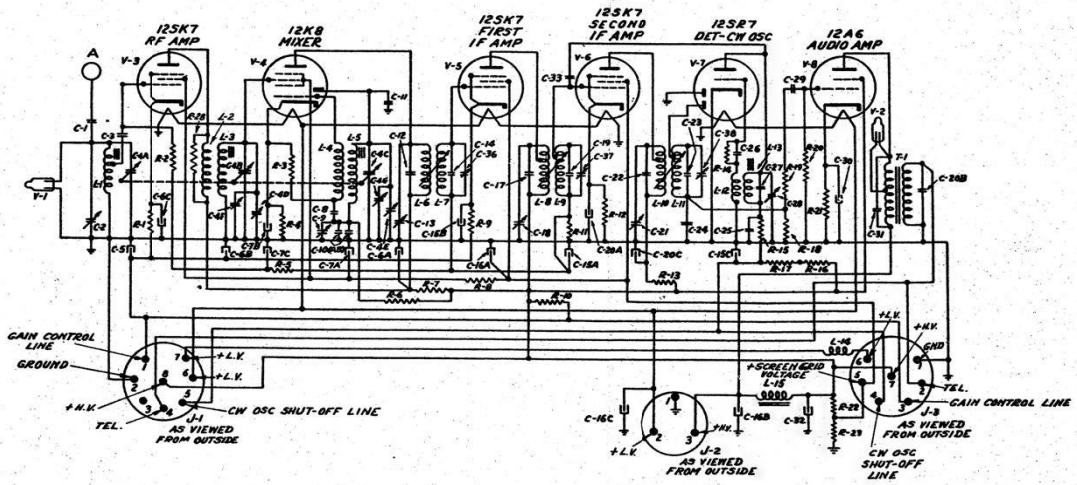
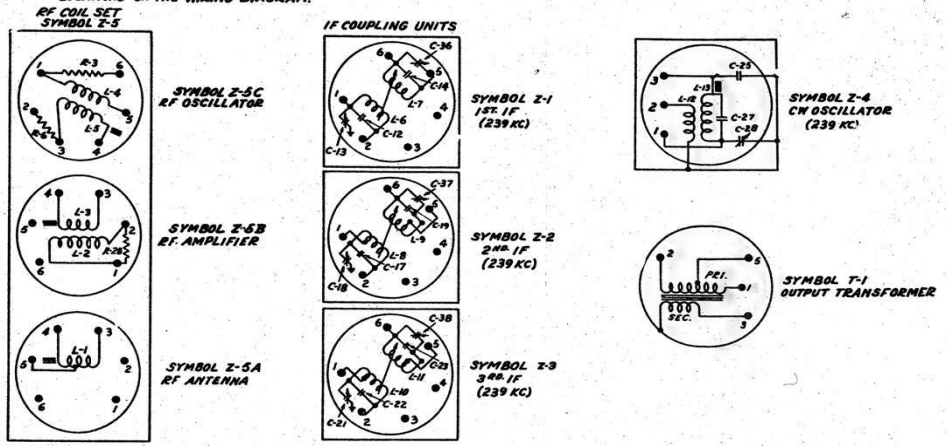


Fig. 32—Type CBY-46129 Aircraft Radio Receiver (190-550 KC) Practical Wiring Diagram

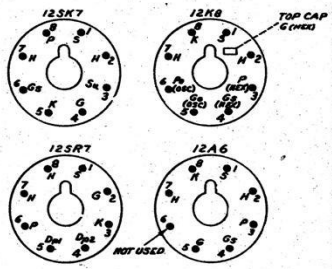


CAPACITANCES		INDUCTANCES		RESISTANCES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	OHMS
C-1	11 MMF	L-1	ANT INPUT	R-1	620
C-2	18 MMF	L-2, L-3	RF AMP	R-2	2,000,000
C-3	100 MMF	L-4, L-5	RF OSC	R-3	51,000
C-4(A,B,C)	GANG (346 MMF)	L-6, L-7	1N 1ST IF	R-4	620
C-5	3 MFD	L-8, L-9	1N 2ND IF	R-5	150,000
C-6(A,B,C)	.05/.05/.05 MFD	L-10, L-11	1N 3RD IF	R-6	300,000
C-7(A,B,C)	.05/.05/.05 MFD	L-12, L-13	CW OSC	R-7	200
C-8	200 MMF	L-14	RF CHOKE	R-8	200
C-9	40 MMF		112 MICRO-HENRIES	R-9	620
C-10(A,B)	670 MMF TOTAL			R-10	360,000
C-11	3 MMF	L-15	AF CHOKE 3 HENRIES	R-11	100,000
C-12	180 MMF			R-12	510
C-13	17 MMF			R-13	200
C-14	180 MMF			R-14	100,000
C-15(A,B,C)	.05/.05/.05 MFD			R-15	20,000
C-16(A,B,C)	.22/.22/.22 MFD			R-16	100,000
C-17	180 MMF			R-17	100,000
C-18	17 MMF			R-18	510,000
C-19	180 MMF			R-19	100,000
C-20(A,B,C)	.05/.05/.05 MFD			R-20	2,000,000
C-21	17 MMF			R-21	1500
C-22	180 MMF			R-22	7000
C-23	180 MMF			R-23	7000
C-24	200 MMF			R-28	51,000
C-25	.001 MFD				
C-26	100 MMF				
C-27	335 MMF				
C-28	34 MMF				
C-29	.006 MFD				
C-30	15 MFD				
C-31	.001 MFD				
C-32	5 MFD				
C-33	WIRING CAPACITANCE (LESS THAN 2 MMF)				
C-36	17 MMF				
C-37	17 MMF				
C-38	17 MMF				

CIRCUITS IN RF COIL SET, IF COUPLING UNITS, CW OSCILLATOR, AND OUTPUT TRANSFORMER. THE TERMINAL NUMBERS ON THESE UNITS AGREE WITH THOSE SHOWN AT THE CORRESPONDING LOCATIONS ON THE WIRING DIAGRAM.



TUBE SOCKET TERMINALS AS VIEWED FROM BOTTOM



TUBE TERMINAL CODE

S = SHELL
H = HEATER
K = CATHODE
S_u = SUPPRESSOR GRID
D_{p1} = FIRST DIODE PLATE
D_{p2} = SECOND DIODE PLATE
G = CONTROL GRID
G_s = SCREEN GRID
$G_{s(HEX)}$ = SCREEN GRID, HEXODE SECTION
$G_{o(OSC)}$ = CONTROL GRID, OSC SECTION
P = PLATE
$P_{(HEX)}$ = PLATE, HEXODE SECTION
$P_{o(OSC)}$ = PLATE, OSC. SECTION
$G_{(HEX)}$ = CONTROL GRID, HEXODE SECTION

9060

Fig. 33—Type CBY-46145 Aircraft Radio Receiver (520-1500 KC) Schematic

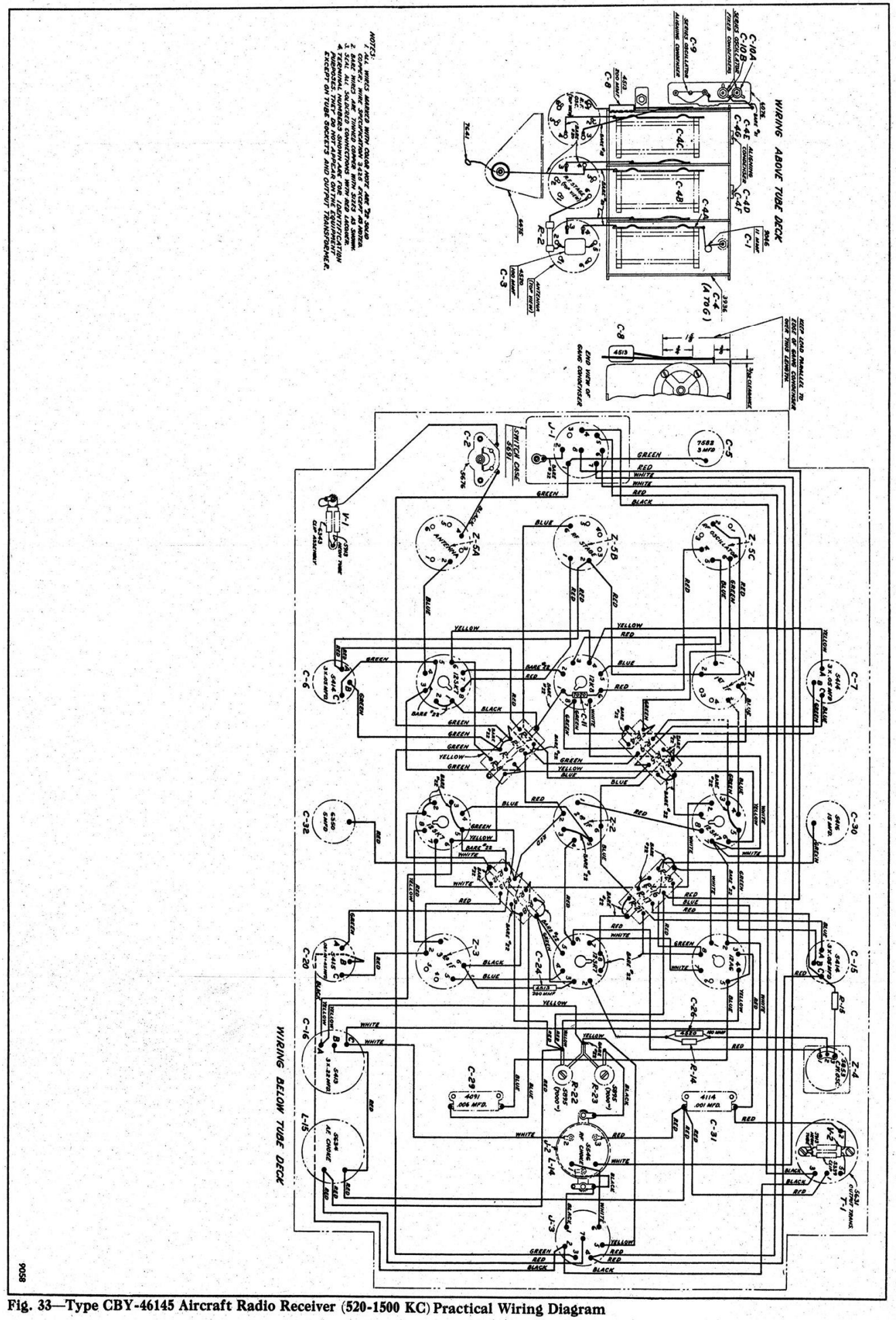
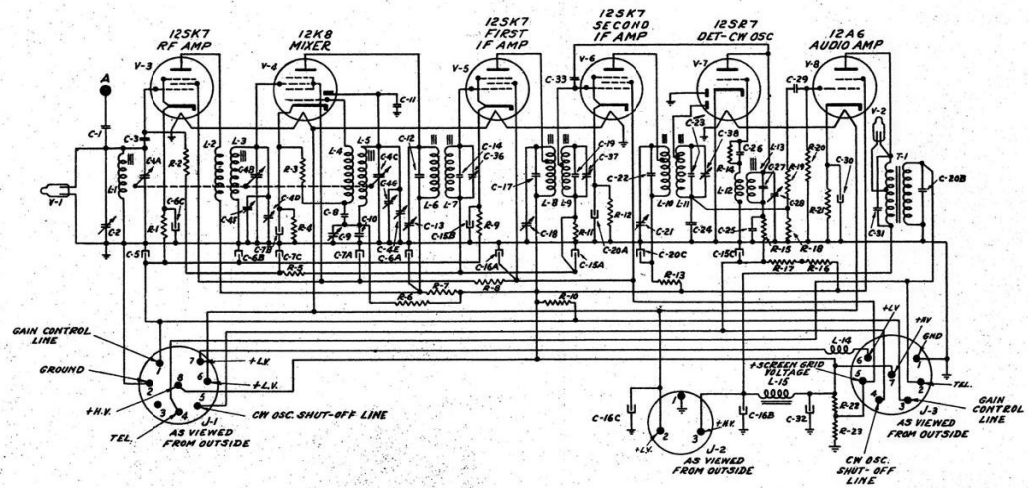
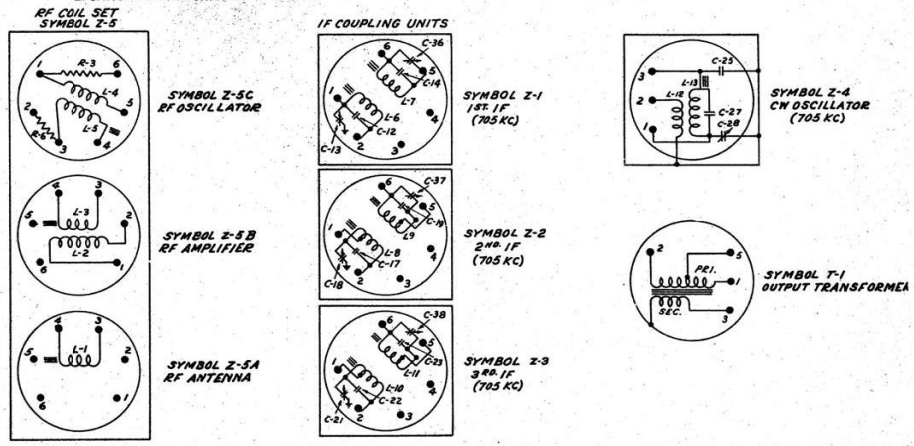


Fig. 33—Type CBY-46145 Aircraft Radio Receiver (520-1500 KC) Practical Wiring Diagram

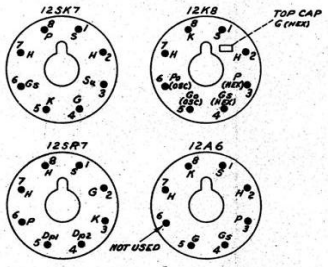


CAPACITANCES		INDUCTANCES		RESISTANCES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	OHMS
C-1	11 MMF	L-1	ANT INPUT	R-1	620
C-2	15 MMF	L-2, L-3	RF AMP	R-2	2,000,000
C-3	100 MMF	L-4, L-5	RF OSC	R-3	51,000
C-4(A,B,C)	GANG(147 MMF)	L-6, L-7	IN 1ST IF	R-4	620
C-5	3 MFD	L-8, L-9	IN 2ND IF	R-5	150,000
C-6(A,B,C)	.05/.05/.05 MFD	L-10, L-11	IN 3RD IF	R-6	200,000
C-7(A,B,C)	.05/.05/.05 MFD	L-12, L-13	CW OSC	R-7	200
C-8	200 MMF	L-14	RF CHOKE, 112 MICRO-HENRIES	R-8	200
C-9	40 MMF			R-9	620
C-10	365 MMF			R-10	360,000
C-11	3 MMF	L-15	AF CHOKE 3 HENRIES	R-11	100,000
C-12	180 MMF			R-12	510
C-13	17 MMF			R-13	200
C-14	180 MMF			R-14	100,000
C-15(A,B,C)	.05/.05/.05 MFD			R-15	20,000
C-16(A,B,C)	.22/.22/.22 MFD			R-16	100,000
C-17	180 MMF			R-17	100,000
C-18	17 MMF			R-18	510,000
C-19	180 MMF			R-19	100,000
C-20(A,B,C)	.05/.05/.05 MFD			R-20	2,000,000
C-21	17 MMF			R-21	1500
C-22	180 MMF			R-22	7000
C-23	180 MMF			R-23	7000
C-24	200 MMF				
C-25	.001 MFD				
C-26	100 MMF				
C-27	180 MMF				
C-28	34 MMF				
C-29	.006 MFD				
C-30	15 MFD				
C-31	.001 MFD				
C-32	5 MFD				
C-33	WIRING CAPACITANCE (LESS THAN 2 MMF)				
C-36	17 MMF				
C-37	17 MMF				
C-38	17 MMF				

CIRCUITS IN RF COIL SET, IF COUPLING UNITS, CW OSCILLATOR, AND OUTPUT TRANSFORMER. THE TERMINAL NUMBERS ON THESE UNITS AGREE WITH THOSE SHOWN AT THE CORRESPONDING LOCATIONS ON THE WIRING DIAGRAM.



TUBE SOCKET TERMINALS AS VIEWED FROM BOTTOM



TUBE TERMINAL CODE

S = SHELL
H = HEATER
K = CATHODE
Su = SUPPRESSOR GRID
Dp1 = FIRST DIODE PLATE
Dp2 = SECOND DIODE PLATE
G = CONTROL GRID
Gs = SCREEN GRID
Gs(HEX) = SCREEN GRID, HEXODE SECTION
Go(OSC) = CONTROL GRID, OSC SECTION
P = PLATE
P(HEX) = PLATE, HEXODE SECTION
Po(OSC) = PLATE, OSC. SECTION
G(HEX) = CONTROL GRID, HEXODE SECTION

7808

Fig. 34—Type CBY-46104 Aircraft Radio Receiver (1.5-3 MC) Schematic

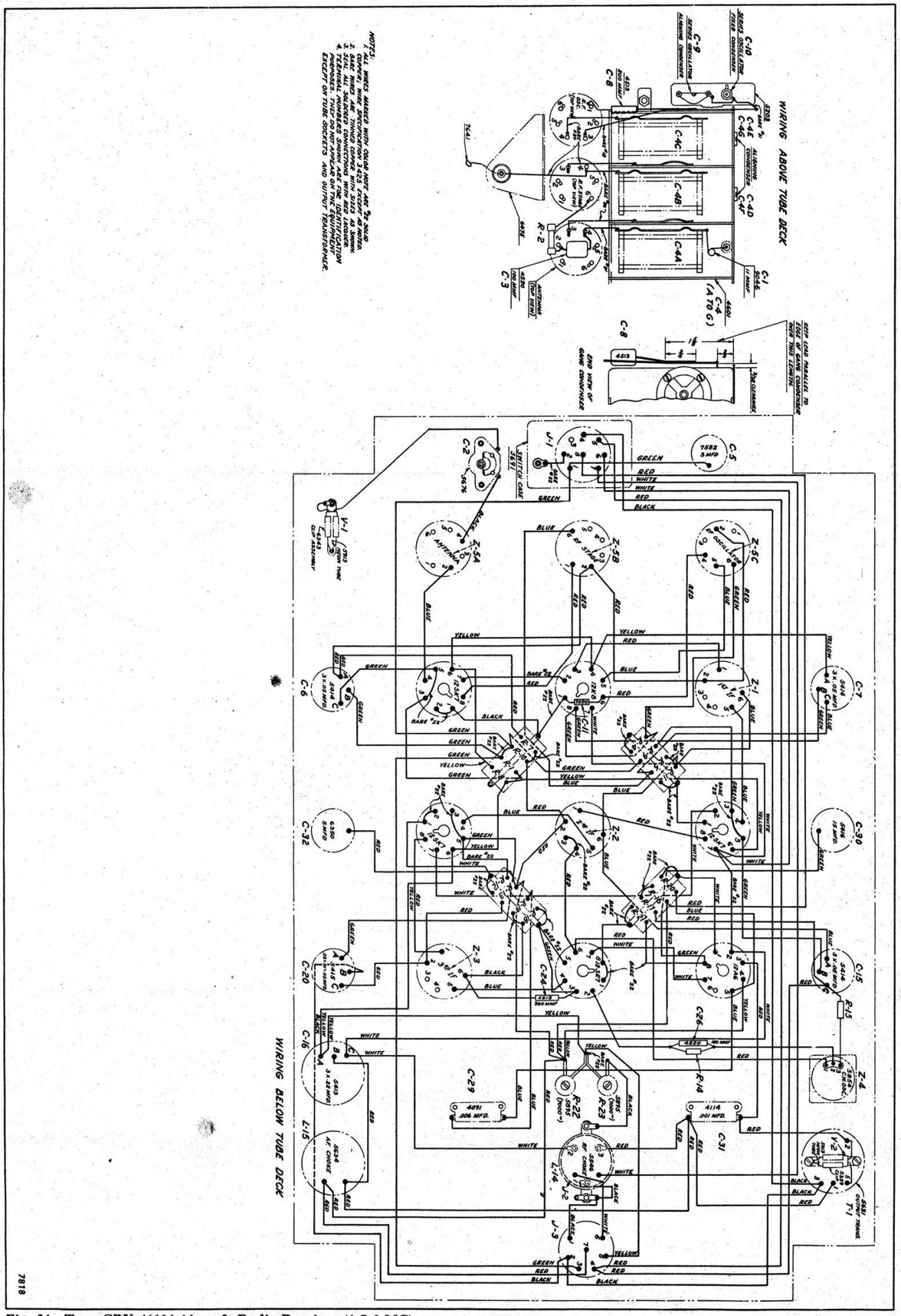
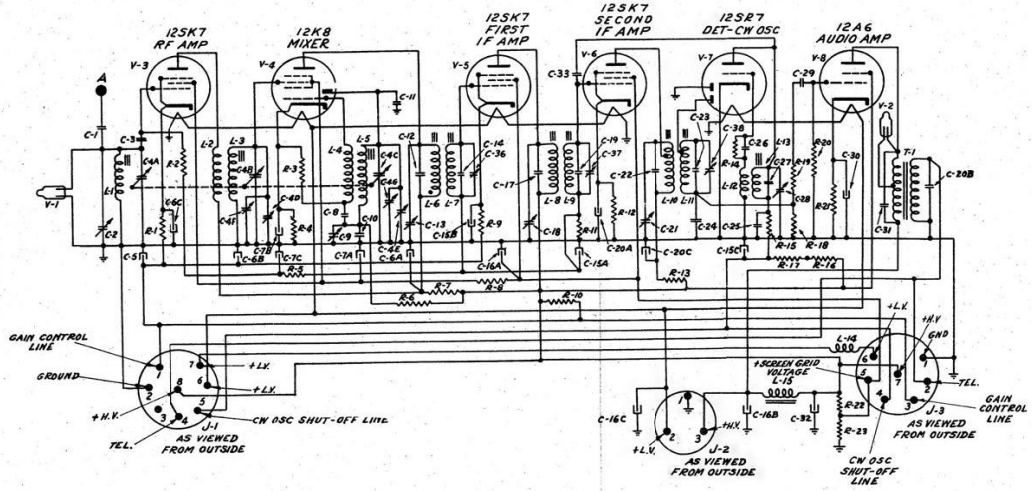
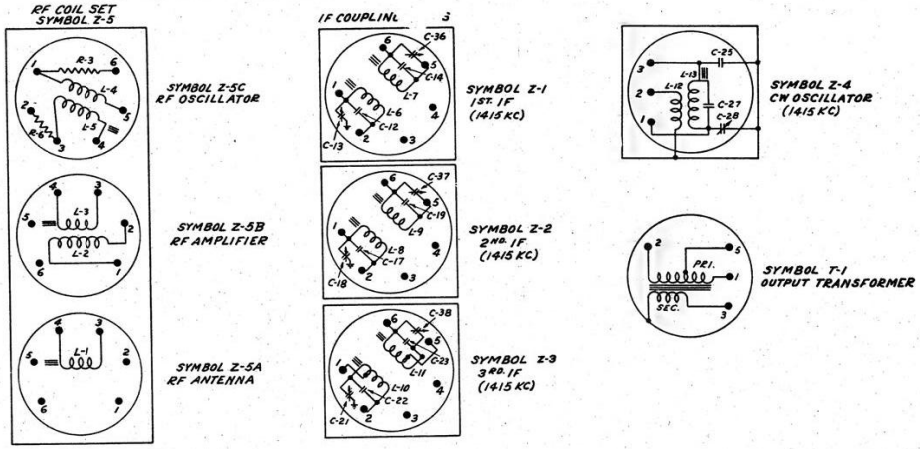


Fig. 34—Type CBY-46104 Aircraft Radio Receiver (1.5-3 MC) Practical Wiring Diagram

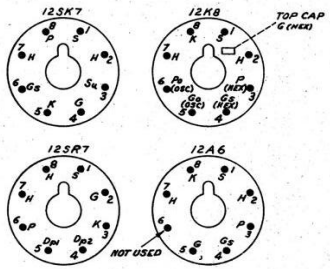


CIRCUITS IN RF COIL SET, IF COUPLING UNITS, CW OSCILLATOR, AND OUTPUT TRANSFORMER. THE TERMINAL NUMBERS ON THESE UNITS AGREE WITH THOSE SHOWN AT THE CORRESPONDING LOCATIONS ON THE WIRING DIAGRAM.



CAPACITANCES		INDUCTANCES		RESISTANCES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	OHMS
C-1	11 MMF	L-1	ANT INPUT	R-1	620
C-2	13 MMF	L-2, L-3	RF AMP	R-2	2,000,000
C-3	100 MMF	L-4, L-5	RF OSC	R-3	51,000
C-4(A TO G)	GANG (147 MMF)	L-6, L-7	IN 1ST IF	R-4	620
C-5	3 MFD	L-8, L-9	IN 2ND IF	R-5	150,000
C-6 (A,B,C)	.05/.05/.05 MFD	L-10, L-11	IN 3RD IF	R-6	200,000
C-7(A,B,C)	.05/.05/.05 MFD	L-12, L-13	CW OSC	R-7	200
C-8	200 MMF	L-14	RF CHOKE,	R-8	200
C-9	40 MMF		112 MICRO-	R-9	620
C-10	365 MMF		HENRIES	R-10	360,000
C-11	3 MMF	L-15	AF CHOKE	R-11	100,000
C-12	180 MMF		3 HENRIES	R-12	510
C-13	17 MMF			R-13	200
C-14	180 MMF			R-14	100,000
C-15(A,B,C)	.05/.05/.05 MFD			R-15	5,100
C-16(A,B,C)	.22/.22/.22 MFD			R-16	51,000
C-17	180 MMF			R-17	51,000
C-18	17 MMF			R-18	510,000
C-19	180 MMF			R-19	100,000
C-20(A,B,C)	.05/.01/.05 MFD			R-20	2,000,000
C-21	17 MMF			R-21	1500
C-22	180 MMF			R-22	7000
C-23	180 MMF			R-23	7000
C-24	200 MMF				
C-25	.001 MFD				
C-26	100 MMF				
C-27	180 MMF				
C-28	34 MMF				
C-29	.006 MFD				
C-30	15 MFD				
C-31	.001 MFD				
C-32	5 MFD				
C-33	WIRING CAPACITANCE (LESS THAN 2 MMF)				
C-36	17 MMF				
C-37	17 MMF				
C-38	17 MMF				

TUBE SOCKET TERMINALS AS VIEWED FROM BOTTOM

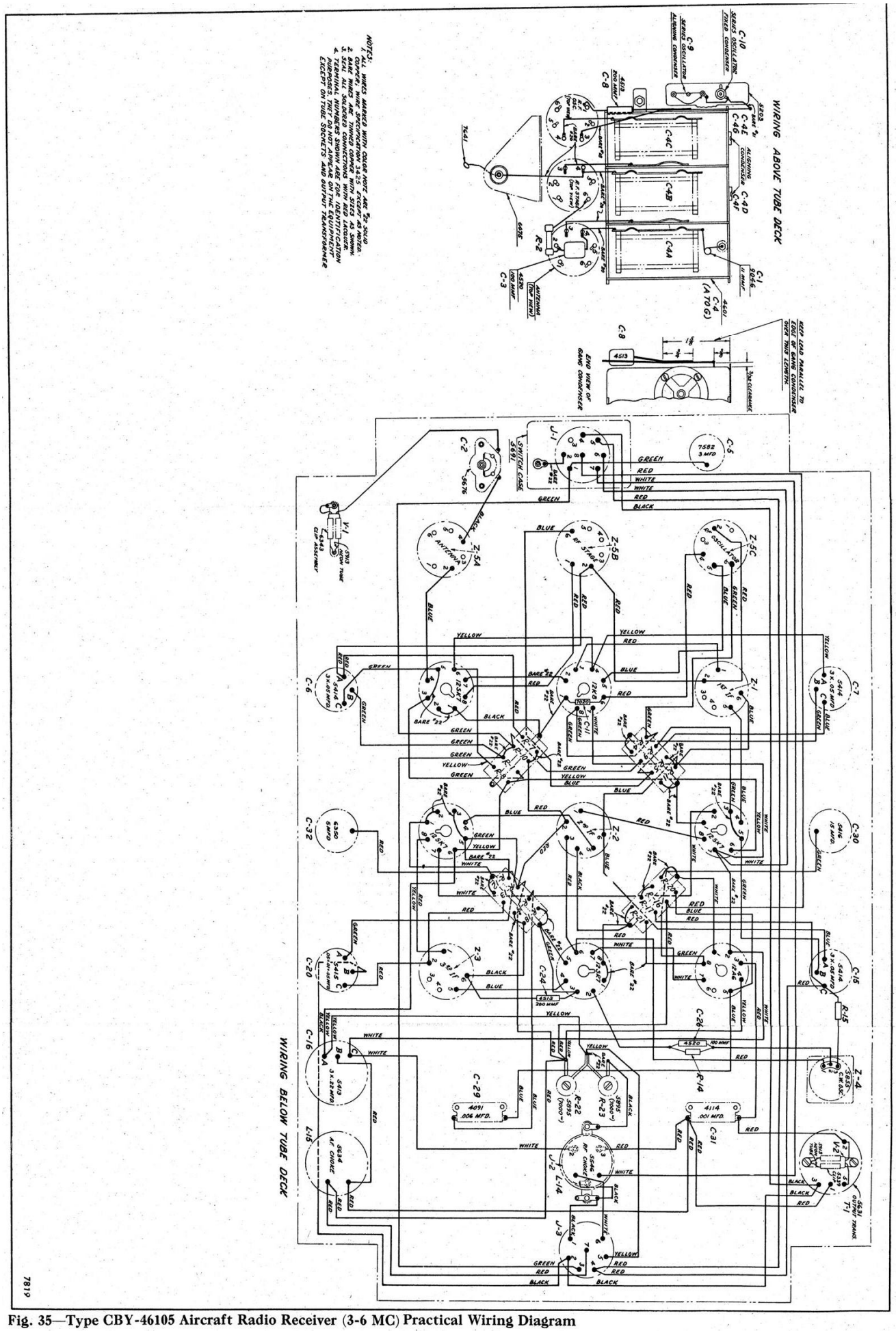


TUBE TERMINAL CODE

S = SHELL
H = HEATER
K = CATHODE
S_u = SUPPRESSOR GRID
D_{p1} = FIRST DIODE PLATE
D_{p2} = SECOND DIODE PLATE
G = CONTROL GRID
G_s = SCREEN GRID
G_s(HEX) = SCREEN GRID, HEXODE SECTION
G_o(OSC) = CONTROL GRID, OSC SECTION
P = PLATE
P(HEX) = PLATE, HEXODE SECTION
P_o(OSC) = PLATE, OSC. SECTION
G (HEX) = CONTROL GRID, HEXODE SECTION

7809

Fig. 35—Type CBY-46105 Aircraft Radio Receiver (3-6 MC) Schematic



7819

Fig. 35—Type CBY-46105 Aircraft Radio Receiver (3-6 MC) Practical Wiring Diagram