

BC312HX

World War II

Radio för Flyg och Arme

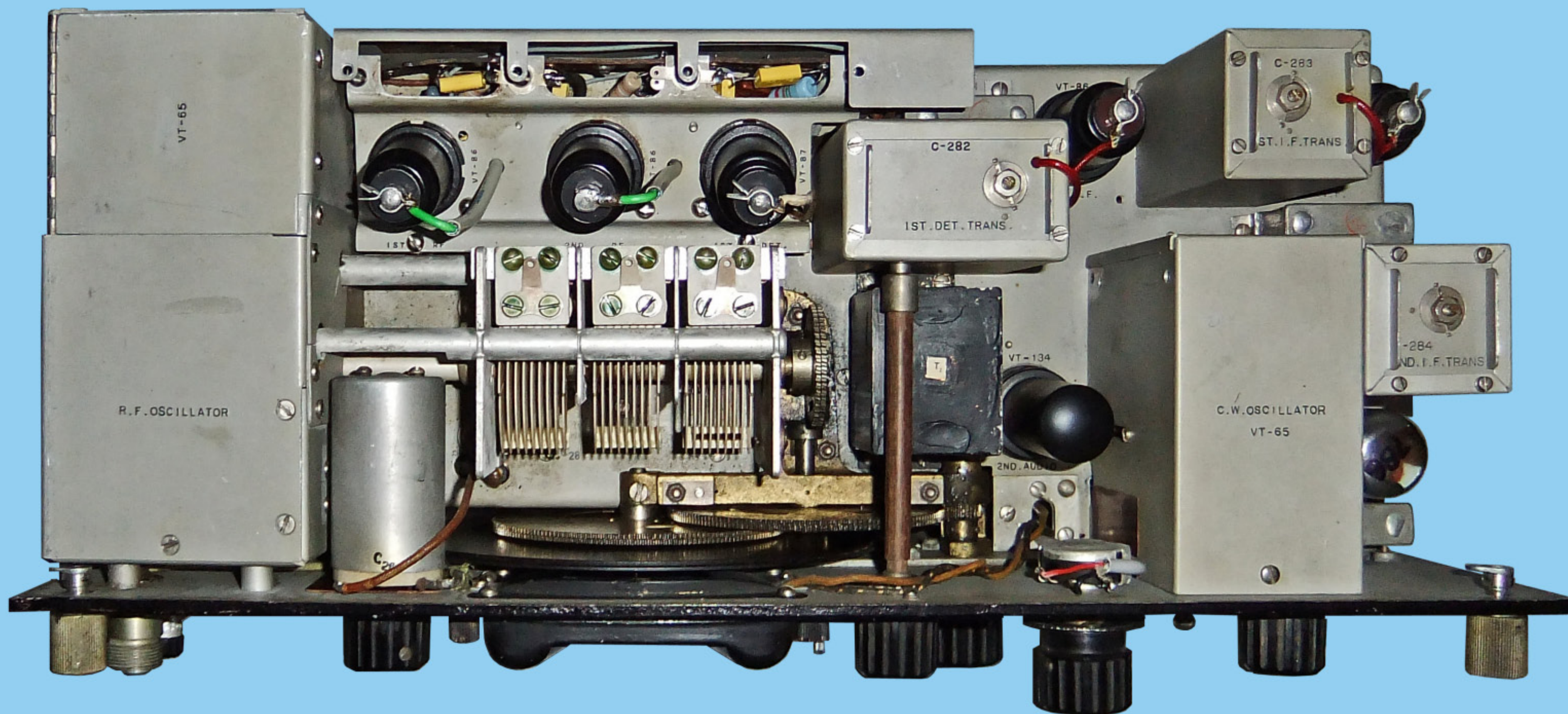
Radiomottagaren ej återställd till ursprungligt skick; originaldelar saknas
Den är vässad med moderna passiva komponenter och kompletterad med AF-AGC för konstant ljudnivå

Dynamotorn för batteridrift utbytt mot matningsenhet för nätanslutning

F80 / kh



BC-312-HX





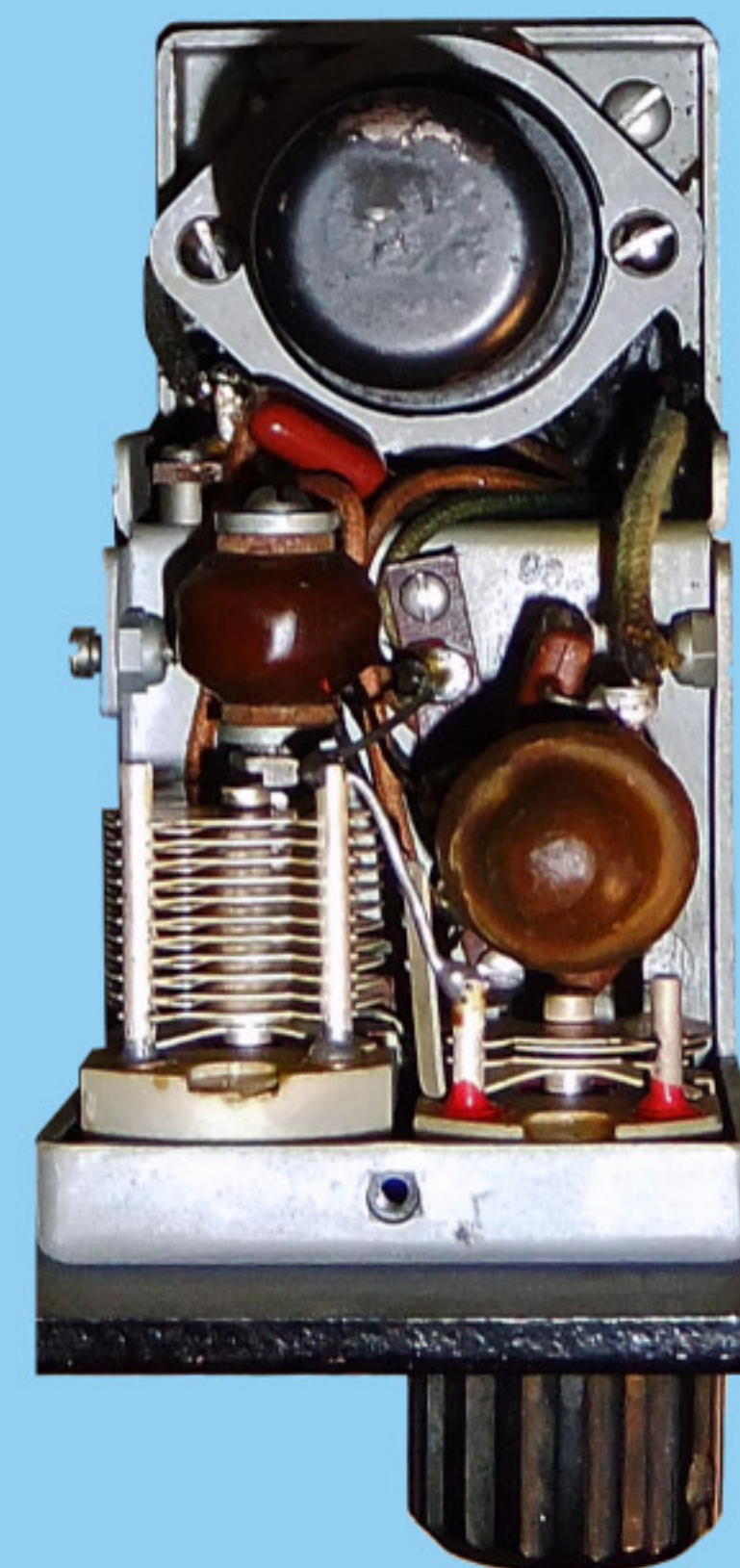
RF Oscillator

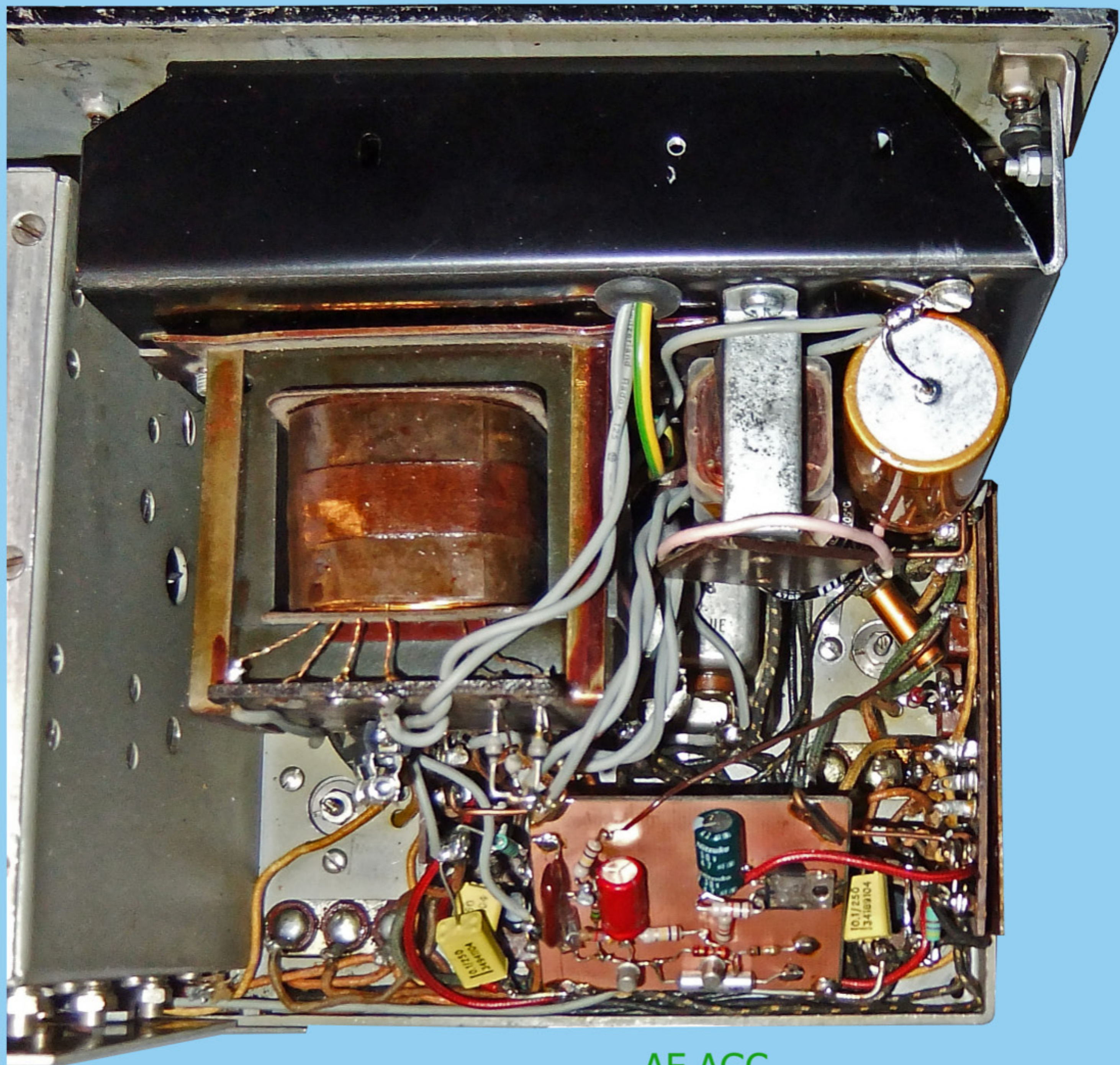
RF Amplifiers

Mixer

IF Beat Oscillator

BC-312-HX





AF AGC

CAPACITORS			CAPACITORS			CAPACITORS			JACKS			JACKS		
C ₁	CA-289	3-25 $\mu\mu\text{f}$	C ₅₁	CA-323	4-50 $\mu\mu\text{f}$	C ₁₀₁	CA-266	100 $\mu\mu\text{f}$	J ₁	JK-34-A		J ₁	JK-34-A	
C ₂	CA-291	6-100 $\mu\mu\text{f}$	C ₅₂	CA-342	100 $\mu\mu\text{f}$	C ₁₀₂	CA-284	05 μf	J ₂	JK-34-A		J ₂	JK-34-A	
C ₃	CA-291	6-100 $\mu\mu\text{f}$	C ₅₃	CA-344	400 $\mu\mu\text{f}$		C ₂₈ , C ₃₄ , C ₄₆ , and C ₈₂	are ganged as Capacitor CA-292.	J ₃	JK-33-A		J ₃	JK-33-A	
C ₄	CA-290	4-50 $\mu\mu\text{f}$	C ₅₄	CA-371	01 μf				J ₄	JK-33-A		J ₄	JK-33-A	
C ₅	CA-290	4-50 $\mu\mu\text{f}$	C ₅₅	CA-344	400 $\mu\mu\text{f}$				J ₅	JK-34-A		J ₅	JK-34-A	
C ₆	CA-290	4-50 $\mu\mu\text{f}$	C ₅₆	CA-371	01 μf									
C ₇	CA-289	3-25 $\mu\mu\text{f}$	C ₅₇	CA-344	400 $\mu\mu\text{f}$									
C ₈	CA-291	6-100 $\mu\mu\text{f}$	C ₅₈	CA-371	01 μf									
C ₉	CA-291	6-100 $\mu\mu\text{f}$	C ₅₉		05 μf									
C ₁₀	CA-290	4-50 $\mu\mu\text{f}$	C ₆₀	CA-302	05 μf									
C ₁₁	CA-290	4-50 $\mu\mu\text{f}$	C ₆₁		05 μf									
C ₁₂	CA-290	4-50 $\mu\mu\text{f}$	C ₆₂	CA-284	05 μf									
C ₁₃	CA-289	3-25 $\mu\mu\text{f}$	C ₆₃	CA-371	01 μf									
C ₁₄	CA-291	6-100 $\mu\mu\text{f}$	C ₆₄	CA-342	100 $\mu\mu\text{f}$									
C ₁₅	CA-291	6-100 $\mu\mu\text{f}$	C ₆₅	CA-342	100 $\mu\mu\text{f}$									
C ₁₆	CA-290	4-50 $\mu\mu\text{f}$	C ₆₆	CA-371	01 μf									
C ₁₇	CA-290	4-50 $\mu\mu\text{f}$	C ₆₇	CA-279	10 $\mu\mu\text{f}$									
C ₁₈	CA-290	4-50 $\mu\mu\text{f}$	C ₆₈		05 μf									
C ₁₉	CA-289	3-25 $\mu\mu\text{f}$	C ₆₉	CA-301	05 μf									
C ₂₀	CA-291	6-100 $\mu\mu\text{f}$	C ₇₀		05 μf									
C ₂₁	CA-291	6-100 $\mu\mu\text{f}$	C ₇₁	CA-218	150 $\mu\mu\text{f}$									
C ₂₂	CA-290	4-50 $\mu\mu\text{f}$	C ₇₂	CA-193	500 $\mu\mu\text{f}$									
C ₂₃	CA-290	4-50 $\mu\mu\text{f}$	C ₇₃		05 μf									
C ₂₄	CA-290	4-50 $\mu\mu\text{f}$	C ₇₄	CA-301	05 μf									
C ₂₅	CA-294	125 $\mu\mu\text{f}$	C ₇₅		05 μf									
C ₂₆	CA-293	10-210 $\mu\mu\text{f}$	C ₇₆	CA-371	01 μf									
C ₂₇	CA-284	05 μf	C ₇₇	Not used										
C ₂₈	See note 13-226	$\mu\mu\text{f}$	C ₇₈		0 1 μf									
C ₂₉		05 μf	C ₇₉	CA-276	0 1 μf									
C ₃₀	CA-195	05 μf	C ₈₀		0 1 μf									
C ₃₁		05 μf	C ₈₁	CA-281	01 μf									
C ₃₂	CA-284	05 μf	C ₈₂	See note 13-226	$\mu\mu\text{f}$									
C ₃₃	CA-266	100 $\mu\mu\text{f}$	C ₈₃		0 1 μf									
C ₃₄	See note 13-226	$\mu\mu\text{f}$	C ₈₄	CA-383	1-10 $\mu\mu\text{f}$									
C ₃₅		05 μf	C ₈₅	CA-253	4-75 $\mu\mu\text{f}$									
C ₃₆	CA-195	05 μf	C ₈₆	CA-266	100 $\mu\mu\text{f}$									
C ₃₇		05 μf	C ₈₇	CA-284	05 μf									
C ₃₈	CA-294	125 $\mu\mu\text{f}$	C ₈₈	CA-266	100 $\mu\mu\text{f}$									
C ₃₉	CA-284	05 μf	C ₈₉	Not used										
C ₄₀	CA-294	125 $\mu\mu\text{f}$	C ₉₀											
C ₄₁	CA-278	5 $\mu\mu\text{f}$	C ₉₁	Not used										
C ₄₂	CA-300	3,000 $\mu\mu\text{f}$	C ₉₂	Not used										
C ₄₃	CA-297	1,600 $\mu\mu\text{f}$	C ₉₃	Not used										
C ₄₄	CA-299	750 $\mu\mu\text{f}$	C ₉₄	CA-298	800 $\mu\mu\text{f}$									
C ₄₅	CA-266	100 $\mu\mu\text{f}$	C ₉₅	CA-298	800 $\mu\mu\text{f}$									
C ₄₆	See note 13-226	$\mu\mu\text{f}$	C ₉₆	CA-286	75 $\mu\mu\text{f}$									
C ₄₇	CA-266	100 $\mu\mu\text{f}$	C ₉₇	CA-286	75 $\mu\mu\text{f}$									
C ₄₈		05 μf	C ₉₈	CA-275	4 μf									
C ₄₉	CA-195	05 μf	C ₉₉	CA-284	05 μf									
C ₅₀		05 μf	C ₁₀₀	CA-294	125 $\mu\mu\text{f}$									

CX Crystal DC-6-A
DM Dynamotor DM-21-CX
FL Filter FL-6-CX

F₁ FU-21-A 10 Amp.
F₂ FU-21-A 10 Amp.

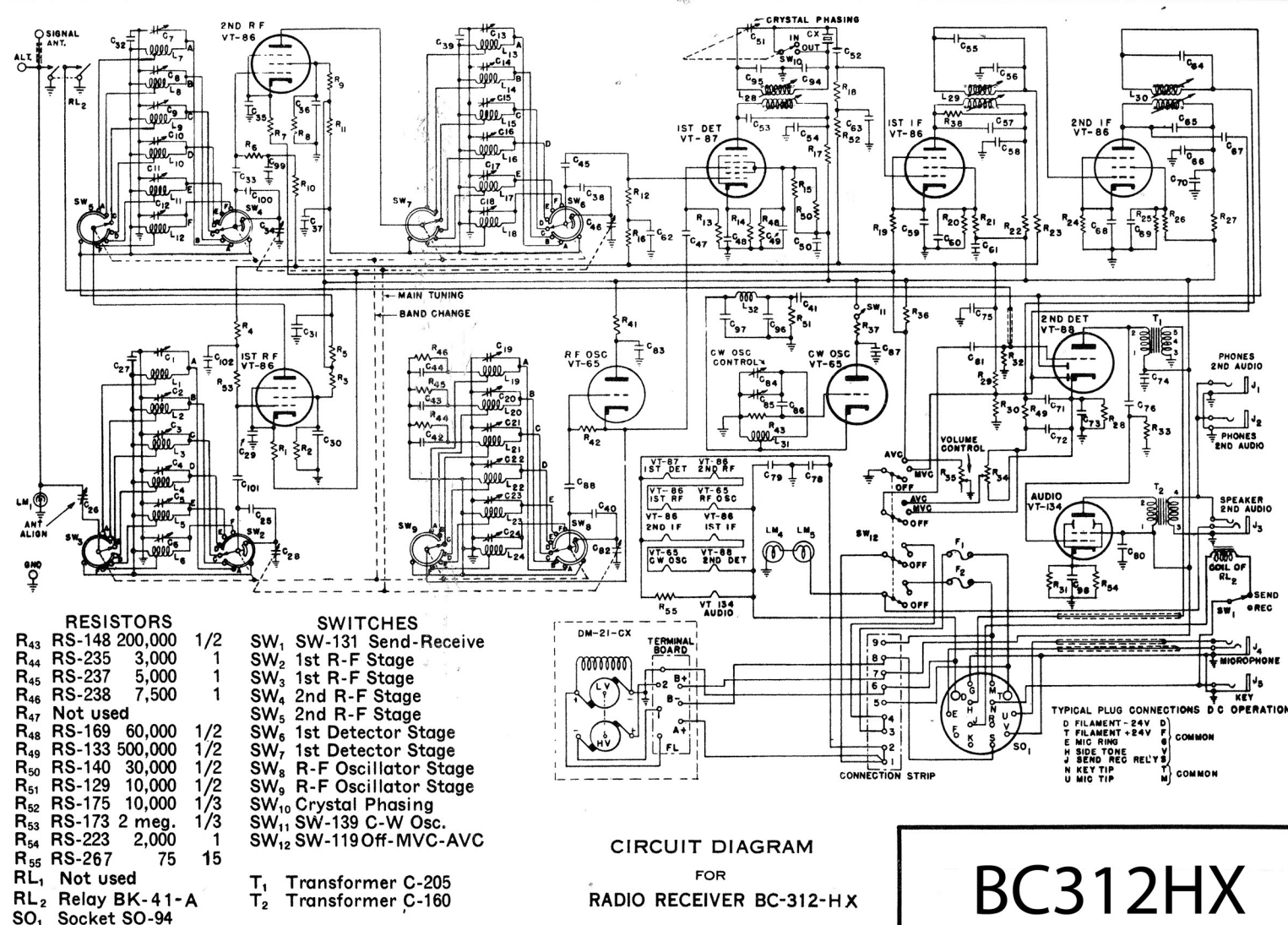
COILS
L₁ 1st R-F Stage
L₂ 1st R-F Stage
L₃ 1st R-F Stage
L₄ 1st R-F Stage
L₅ 1st R-F Stage
L₆ 1st R-F Stage
L₇ 2nd R-F Stage
L₈ 2nd R-F Stage
L₉ 2nd R-F Stage
L₁₀ 2nd R-F Stage
L₁₁ 2nd R-F Stage
L₁₂ 2nd R-F Stage
L₁₃ 1st Detector
L₁₄ 1st Detector
L₁₅ 1st Detector
L₁₆ 1st Detector
L₁₇ 1st Detector
L₁₈ 1st Detector
L₁₉ Oscillator
L₂₀ Oscillator
L₂₁ Oscillator
L₂₂ Oscillator
L₂₃ Oscillator
L₂₄ Oscillator
L₂₅ Not used
L₂₆ Coils of Transf. C-282
L₂₇ Coils of Transf. C-283
L₂₈ Coils of Transf. C-284
L₂₉ C-W Oscillator Coil
L₃₀ Filter Coil
LM₁ Lamp (Neon)
LM₂ Not used
LM₃ Not used
LM₄ Lamp LM-42
LM₅ Lamp LM-42

RESISTORS
Ohms Watts

R ₁	RS-164	500	1
R ₂	RS-169	60,000	1/2
R ₃	RS-149	40,000	1/2
R ₄	RS-172	100,000	1/3
R ₅	RS-125	1,000	1/2
R ₆	RS-173	2 meg.	1/3
R ₇	RS-164	500	1
R ₈	RS-169	60,000	1/2
R ₉	RS-149	40,000	1/2
R ₁₀	RS-172	100,000	1/3
R ₁₁	RS-125	1,000	1/2
R ₁₂	RS-173	2 meg.	1/3
R ₁₃	RS-168	50,000	1/3
R ₁₄	RS-166	350	1
R ₁₅	RS-140	30,000	1/2
R ₁₆	RS-172	100,000	1/3
R ₁₇	RS-125	1,000	1/2
R ₁₈	RS-172	100,000	1/3
R ₁₉	RS-164	500	1
R ₂₀	RS-163	60,000	1
R ₂₁	RS-149	40,000	1/2
R ₂₂	RS-125	1,000	1/2
R ₂₃	RS-150	100,000	1/2
R ₂₄	RS-164	500	1
R ₂₅	RS-163	60,000	1
R ₂₆	RS-149	40,000	1/2
R ₂₇	RS-125	1,000	1/2
R ₂₈	RS-171	750	1
R ₂₉	RS-162	250,000	1/2
R ₃₀	RS-161	1 meg.	1/3
R ₃₁	RS-223	2,000	1
R ₃₂	RS-162	250,000	1/2
R ₃₃	RS-131	50,000	1/2
R ₃₄	Potent. 0-500,000		
R ₃₅	RS-174	0-50,000	
R ₃₆	RS-111	100,000	1
R ₃₇	RS-150	100,000	1/2
R ₃₈	RS-169	60,000	1/2
R ₃₉	Not used		
R ₄₀	Not used		
R ₄₁	RS-139	30,000	1
R ₄₂	RS-140	30,000	1/2

RESISTORS
Ohms Watts

R ₁	RS-164	500	1
R ₂	RS-169	60,000	1/2
R ₃	RS-149	40,000	1/2
R ₄	RS-172	100,000	1/3
R ₅	RS-125	1,000	1/2
R ₆	RS-173	2 meg.	1/3
R ₇	RS-164	500	1
R ₈	RS-169	60,000	1/2
R ₉	RS-149	40,000	1/2
R ₁₀	RS-172	100,000	1/3
R ₁₁	RS-125	1,000	1/2
R ₁₂	RS-173	2 meg.	1/3
R ₁₃	RS-168	50,000	1/3
R ₁₄	RS-166	350	1
R ₁₅	RS-140	30,000	1/2
R ₁₆	RS-172	100,000	1/3
R ₁₇	RS-125	1,000	1/2
R ₁₈	RS-172	100,000	1/3
R ₁₉	RS-164	500	1
R ₂₀	RS-163	60,000	1
R ₂₁	RS-149	40,000	1/2
R ₂₂	RS-125	1,000	1/2
R ₂₃	RS-150	100,000	1/2
R ₂₄	RS-164	500	1
R ₂₅	RS-163	60,000	1
R ₂₆	RS-149	40,000	1/2
R ₂₇	RS-125	1,000	1/2
R ₂₈	RS-171	750	1
R ₂₉	RS-162	250,000	1/2
R ₃₀	RS-161	1 meg.	1/3
R ₃₁	RS-223	2,000	1
R ₃₂	RS-162	250,000	1/2
R ₃₃	RS-131	50,000	1/2
R ₃₄	Potent. 0-500,000		
R ₃₅	RS-174	0-50,000	
R ₃₆	RS-111	100,000	1
R ₃₇	RS-150	100,000	1/2
R ₃₈	RS-169	60,000	1/2
R ₃₉	Not used		
R ₄₀	Not used		
R ₄₁	RS-139	30,000	1
R ₄₂	RS-140	30,000	1/2



CIRCUIT DIAGRAM
FOR
RADIO RECEIVER BC-312-HX

BC312HX

BC348H

World War II

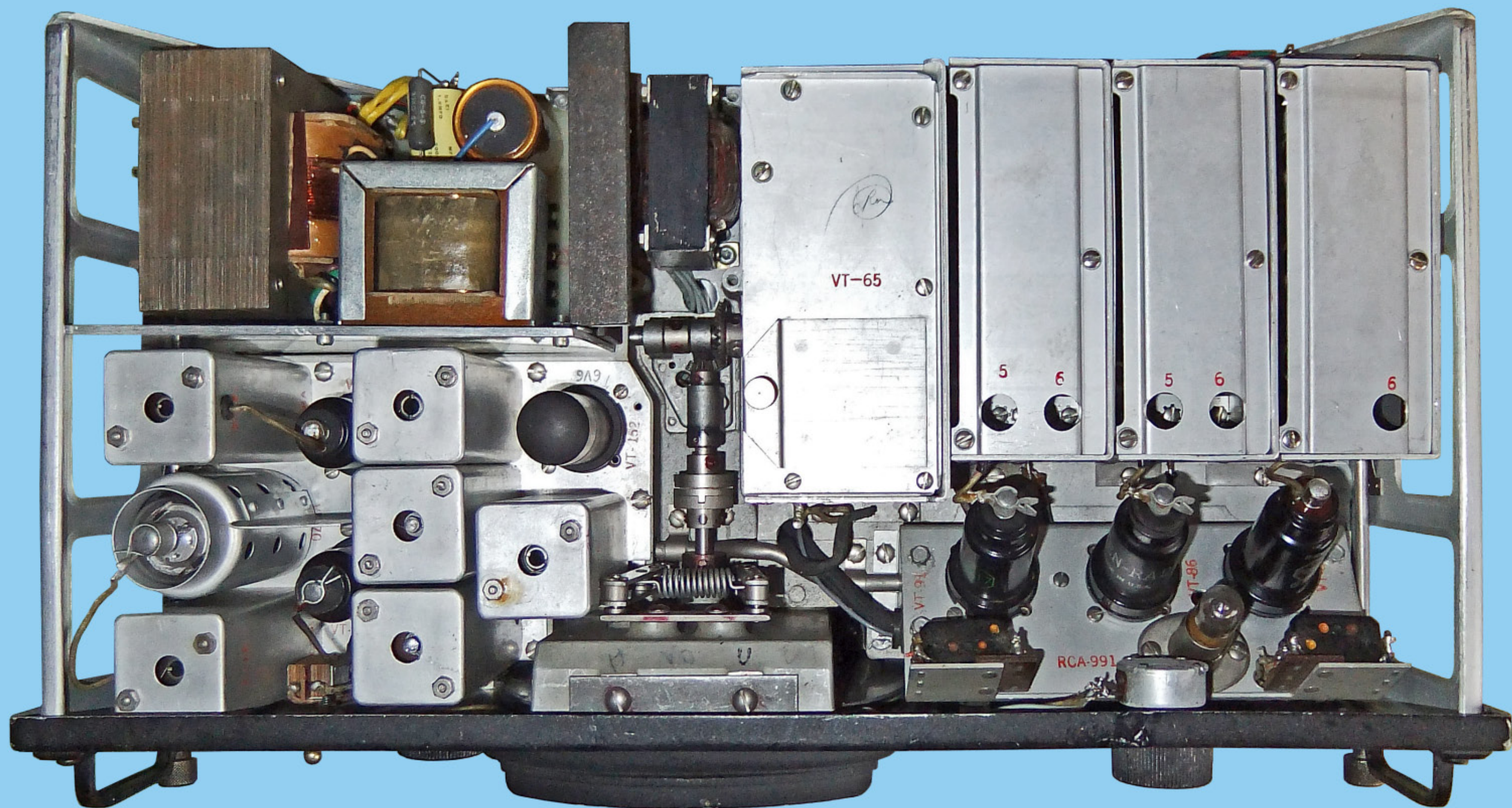
Radio för Flyg och Arme

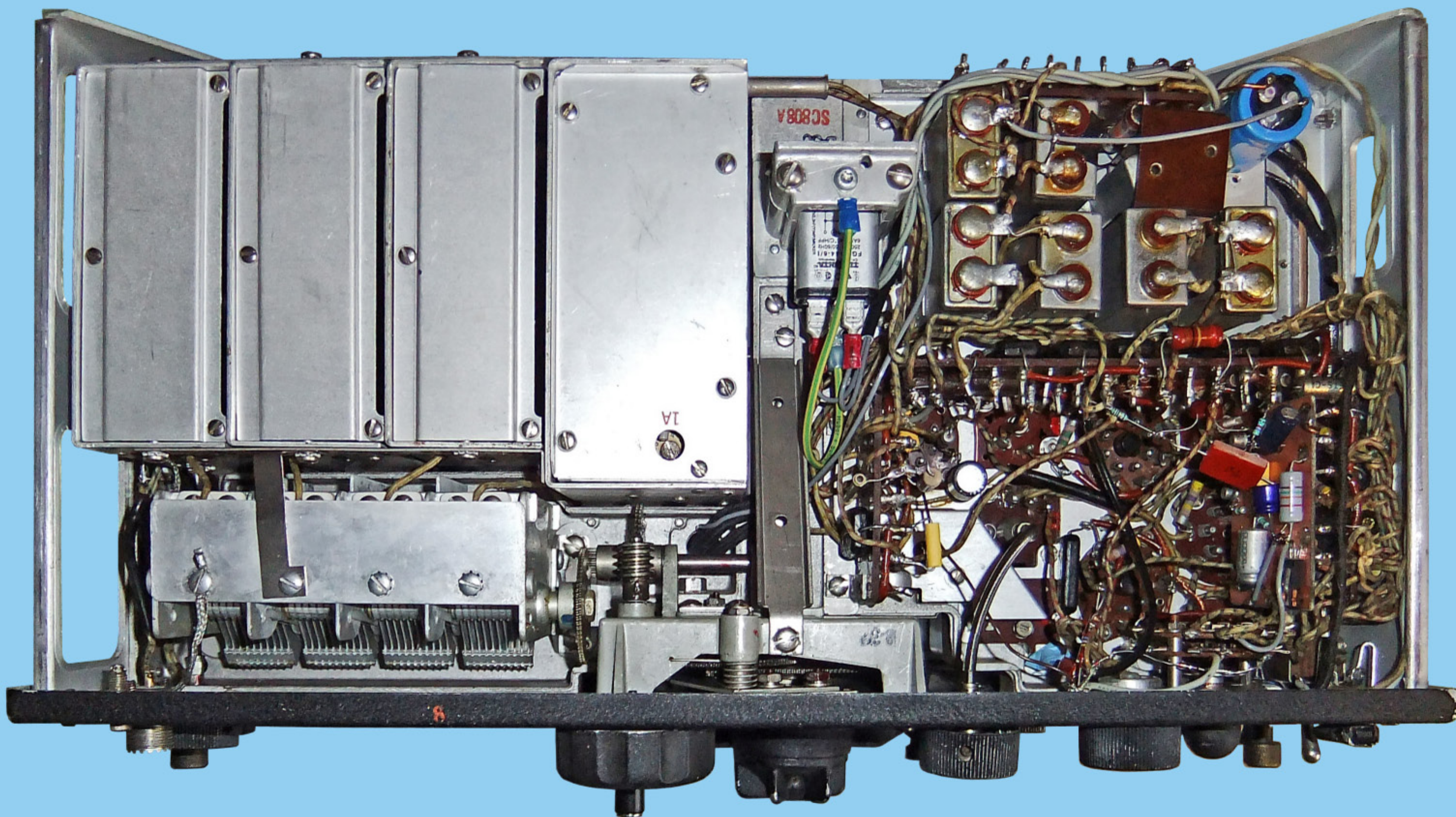
Radiomottagaren återställd till originalskick och kompletterad med AF-AGC för konstant ljudnivå

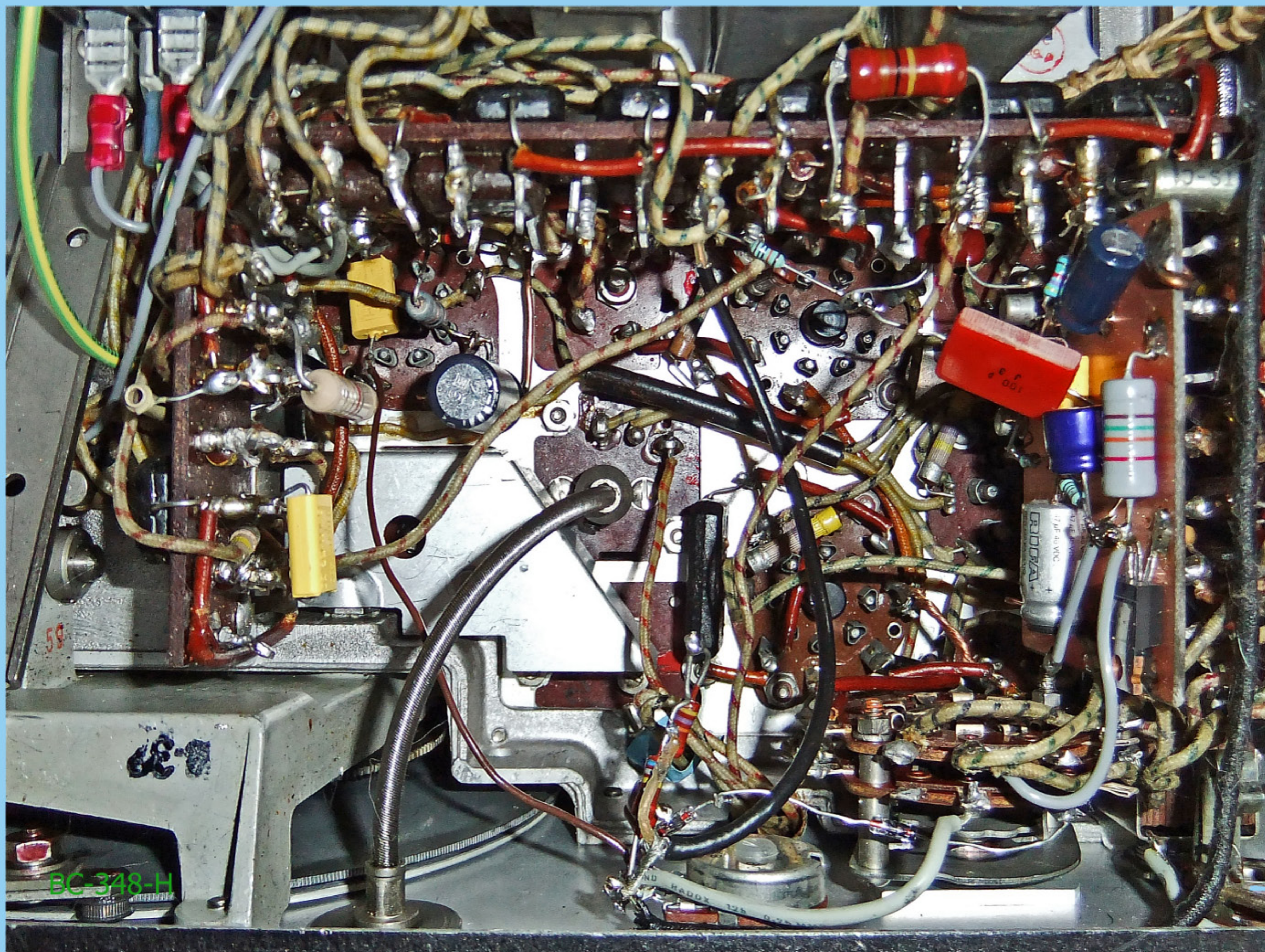
Dynamotorn för batteridrift utbytt mot matningsenhet för nätanslutning

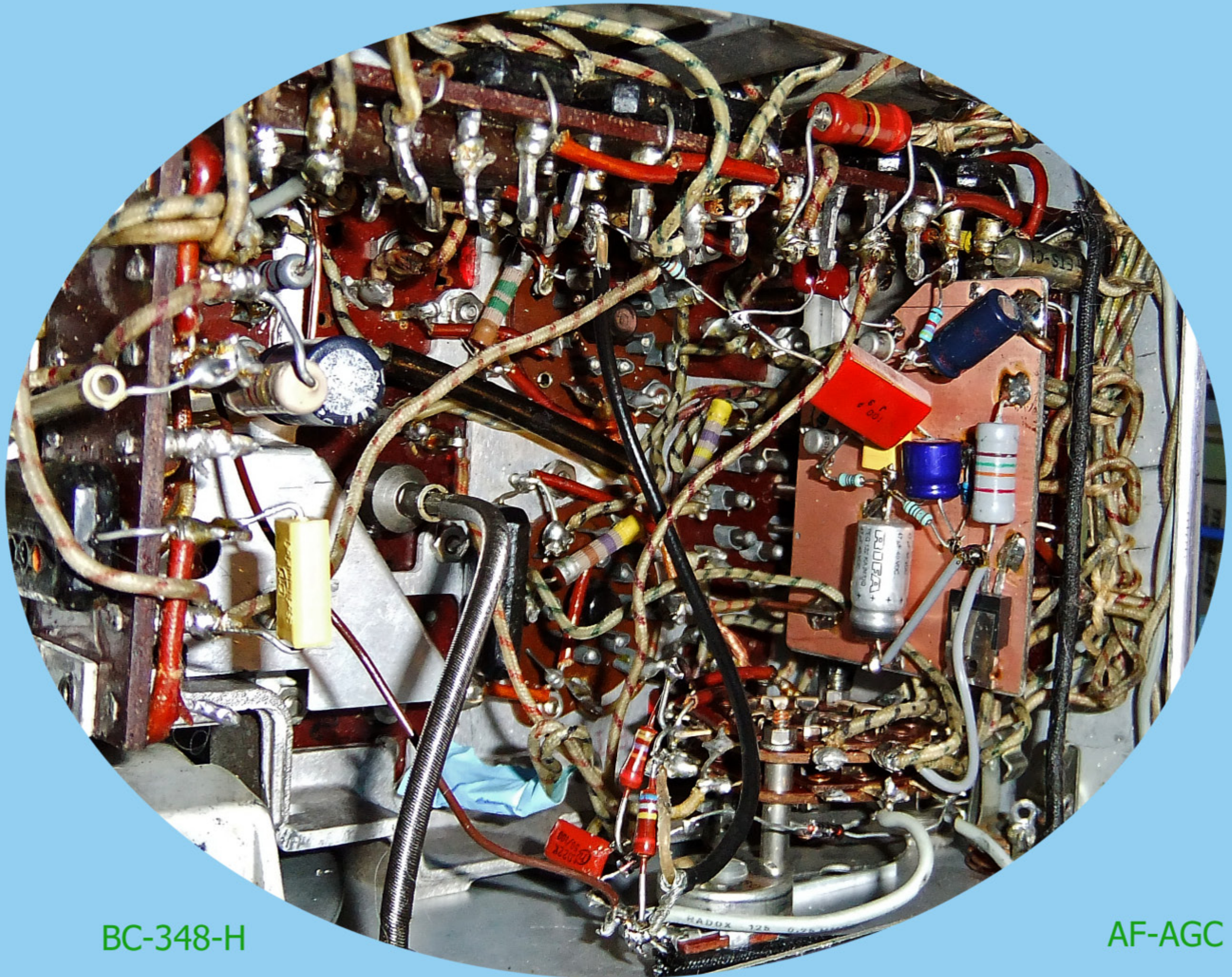


BC-348-H









BC-348-H

AF-AGC

BC433G

World War II

PejlRadio för Lång / Mellanvåg

Radio i originalskick för anslutning till 115V 400Hz i Bombplan
Använder två antenner; en korsram och en långwire

Radion fjärrmanövreras mekaniskt (avstämning) och elektriskt (bandomkopplare)

F80 / kh

INSTALLATION ADJUSTMENTS

FREQUENCY DIAL: TURN TUNING CRANK AGAINST STOP AT LOW END OF (850-1750 KC.) BAND. CHECK THAT ALIGN MARKS ON EACH RADIO CONTROL BOX DIAL ARE BENEATH RESPECTIVE REFERENCE LINES. IF NOT, DISCONNECT TUNING SHAFTS AND CRANK DIALS TO RESPECTIVE REFERENCE LINES AND RECONNECT.

THRESHOLD SENSITIVITY: SWITCH TO ANT. TURN AUDIO TO MAX. TUNE NEAR 500 KC. WHERE NO STATION IS BEING RECEIVED. WITH AIRPLANE MOTORS RUNNING ADJUST THRES. SENS. SO NOISE IS NOT OBJECTIONABLE. TUNE IN DISTANT STATIONS AT SEVERAL POINTS IN EACH BAND TO BE CERTAIN ADEQUATE SENSITIVITY REMAINS. IF NOT, ADVANCE THRES. SENS.

AUTOMATIC SENSITIVITY: SWITCH TO COMP. TUNE IN A STATION MORE THAN 10 MILES DISTANT, AND ADJUST AUTO. SENS. FOR MINIMUM HUNTING OF THE BEARING INDICATOR POINTER ABOUT THE INDICATED BEARING POSITION.

MODIFIED TO 'C' 18-8-44-

SIGNAL CORPS U.S. ARMY
RADIO COMPASS UNIT BC-433-C

SER. NO. 3 ORDER NO. 6566-WY-41
MADE BY
BENDIX RADIO CORPORATION
BALTIMORE, MD., U.S.A.

AUTO.
SENS.

C. W.

VOICE

THRES.
SENS.

PL-122
CONNECTOR PANEL

LOOP

GROUND

SHIELD

RELEASE

PL-108

