Section G. Maintenance

GENERAL

The following maintenance procedure is based on the fact that any defective printed-circuit board is replaced by a new one delivered by Radiometer and preadjusted at the plant. This procedure calls for a minimum of adjustment in the field, but the instrumentation used for these adjustments must have the specifications described below.

INSTRUMENTATION REQUIRED

AM-FM Signal Generator (5-200 MHz)
AF Oscillator (distortion <0.01%)
Oscilloscope
DC Voltmeter (±1‰)
AC Amplifier Voltmeter (rms-reading, ±1%)
1 resistor 500 Ω ±0.1%
2 resistors 10 kΩ ±0.1%
2 resistors 1 MΩ ±0.1%

TUNER Printed-circuit board

1) Set RANGE to A

2) Set TUNING to 7 MHz

3) Set IF BANDWIDTH to ±20 kHz

4) Set MAN./AUTO to MAN.

5) Set FUNCTION to LEVEL

6) Set LEVEL to the extreme right (clockwise)

7) Connect an RF Signal Generator to the RF INPUT connector of AFM2.

8) Set the Signal Generator to 9 MHz.

9) Set the output from the Signal Generator to a suitable indication on the meter of AFM2.

10) Trim the oscillator coil for range A to max. indication on meter. (Turn LEVEL to the left if the indication is more than 100 on the meter.)

11) Set the Signal Generator to 10 MHz.

12) Tune to 12 MHz.

13) Trim the trimming capacitor for range A to max. reading on the meter.

14) Repeat the trimming of coils and capacitors until the readings on the frequency scale are within 3%.

15) The ranges B, C, D, E and F must be trimmed in the same way as range A.

IF FILTER (WIDE) and IF-AMPLIFIER + IF ATTENUATOR Printed circuit-boards

The two printed-circuit boards are matched, and must be changed at the same time. No realignment is necessary after the changing.

IF FILTER (NARROW) Printed-circuit board

No realignment is necessary after the changing.

AM DETECTOR + IF AMPLIFIER Printed-circuit board

1) Connect the DC Millivoltmeter to the phone jacks IF LEVEL (DC).

2) Turn the LEVEL potentiometer to the extreme left (counterclockwise).

3) Adjust pot. R558 until the voltmeter reads 0 V ±2 mV.

4) Disconnect the DC Millivoltmeter.

5) Set FUNCTION to LEVEL

6) Set METER RANGE to 3

7) Set IF BANDWIDTH to ±400 kHz

8) Set FILTER/DEEMPHASIS to 50 Hz - 15 kHz

9) Set MAN./AUTO to MAN.

10) Connect the RF Signal Generator, 75 Ω output, to the cable W2 (the input cable from the mixer to IF Filter (wide)).

11) Set the Signal Generator to 2 MHz.

12) Adjust the output of the Signal Generator until the meter of AFM2 reads LEVEL.

13) Reduce the voltage from the Signal Generator 10 times.

14) Set MAN./AUTO to AUTO.

15) Set LEVEL pot. to 5 on the LEVEL scale.

16) Adjust pot. R553 until the meter reads LEVEL.

17) Disconnect the Signal Generator.

18) Set the switch MAN./AUTO to MAN.

19) Set IF BANDWIDTH to 20 kHz.

20) Connect an oscilloscope to terminals J500/5 and J500/6 (chassis).

21) Connect the Signal Generator to RF INPUT.

22) Set the Signal Generator to 2 MHz.

23) Set RANGE to scale A.

24) Set pot. LEVEL in a middle position.

25) Adjust the attenuator of the Signal Generator to correct level indication on AFM2.

26) Check on the oscilloscope that the curve is sinusoidal.

27) Turn LEVEL pot. to the right until the curve begins to be flat at the top.

28) Adjust pot. R514 until the limits of the positive and the negative half-wave of the sinus signal are symmetrical with respect to the x-axis.

29) Set IF BANDWIDTH to ±400 kHz.

30) Set the Signal Generator to about 30% modulation with a 1 kHz signal, and set the output to about 30 mV.

31) Unsolder the cable W16 from terminal J800/16 on the plug for the print board VIII, AF AMPLIFIER I-II.

32) Connect a resistor 500 Ω, 0.1%, between the terminal J800/16 and J700/8.

33) Connect a capacitor, approx. 0.47 µF, between terminal J800/16 and the inner lead of the cable W16.

34) Connect the High Impedance Voltmeter, 100 mV, 0.1%, across the 500 Ω, 0.1%, resistor.

35) Short-circuit the capacitor C805 on the print board VIII, AF AMPLIFIER I-II.

36) Connect the 5 terminals on the black insulating block on print board V, as shown in Fig.G1.

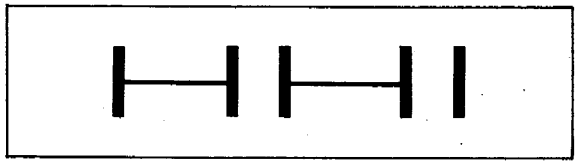

Fig.G1.

37) Set FILTER/DEEMPHASIS to 3 kHz.

38) Set METER RANGE to 100.

39) Set MAN./AUTO to AUTO.

40) Adjust AFM2 to correct TUNING, LEVEL indication and IF CHECK.

41) Set FUNCTION to AM+.

42) Adjust R539 until the DC Voltmeter indicates 93.9 mV (U1).

43) Connect the 6 dB precision attenuator and the AC Amplifier Voltmeter to the AF OUTPUT connector.

44) Connect the AC Amplifier Voltmeter to the 6 dB output terminal on the attenuator and measure the voltage.

45) Set the switch MAN./AUTO to MAN., and adjust the LEVEL pot. to the same reading at the AC Amplifier Voltmeter as measured in step 44.

46) Measure the voltage (U2) over the 500 Ω resistor as in step 42.

47) Check that U2 - U1 = 94.9 mV. If U2 - U1 = (94.9 + X) mV, the trimming procedure must be repeated and R539 adjusted to (93.9 -X) mV. See step 42.

Repeat the trimming procedure until U2 - U1 = 94.9 mV.

48) Disconnect the voltmeters, the 500 Ω resistor, the 0.47 µF capacitor and the Signal Generator, and connect again the terminals on the black insulating block on print board V, as shown in Fig.G2.

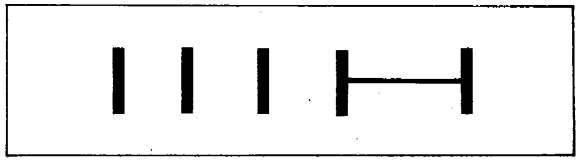

Fig.G2.

LIMITER Printed-circuit board

1) Connect the DC Voltmeter between terminals J600/16 and J600/15 (chassis).

2) Adjust pot. R660 until the DC Voltmeter indicates +10 V ±0.5%.

FM DETECTOR Printed-circuit board

1) Set FUNCTION to LEVEL

2) Set METER RANGE to 3

3) Set IF BANDWIDTH to ±400 kHz

4) Set MAN./AUTO to MAN.

5) Set FILTER/DEEMPHASIS to 50 Hz-15 kHz

6) Set RANGE to A

7) Disconnect the connection from FM DETECTOR, print board VII, to AF AMPLIFIER I-II, print board VIII, by unsoldering the inner lead of the cable W9 from print board terminal 5 on VII.

8) Solder a precision resistor, 500 Ω ±1%, between the terminals J700/8 and J700/5 on the FM DETECTOR, print board VII.

9) Solder two resistors, 1 MΩ ±0.1%, in series between terminals J700/8 and J700/5.

10) Connect the DC Voltmeter between terminal 8 and the midpoint of the two 1 MΩ resistors.

11) Connect the Signal Generator to the connector RF INPUT.

12) Set the Signal Generator to 10 MHz.

13) Tune the frequency of AFM2 to max. indication (about 8 MHz).

14) Adjust LEVEL to correct level indication.

15) Set FUNCTION to FM-.

16) Adjust pot. R708 until the DC Voltmeter indicates 955 mV.

17) Resolder the cable W9, remove the 500 Ω precision resistor, remove the two 1 MΩ resistors, and disconnect the Signal Generator and the DC Voltmeter.

18) Connect the Signal Generator to the connector RF INPUT.

19) Set the Signal Generator to 2 MHz ±100 Hz.

20) Set pot. LEVEL to 10.

21) Set FUNCTION to LEVEL.

22) Adjust the attenuator of the Signal Generator until the meter of AFM2 reads LEVEL.

23) Set FUNCTION to IF CHECK.

24) Adjust pot. R737 until the meter reads IF CHECK.

25) Vary the 2 MHz signal by plus and minus 200 kHz, and adjust pot. R739 until the deviations at +300 kHz and -300 kHz on the IF scale are as small as possible and within ±10 kHz.

AF AMPLIFIER I-II Printed-circuit board

1) Take out print board IX, AF AMPLIFIER III-V.

2) Unsolder the inner lead of cable W15 from terminal J800/15.

3) Set FILTER/DEEMPHASIS to 6dB/oct.

4) Set METER RANGE to 3.

5) Connect the DC Voltmeter between terminals J800/2 and J800/3 (chassis).

6) Adjust pot. R803 until the DC Voltmeter reads 0 V ±10 mV.

7) Insert again print board IX.

8) Adjust the AF AMPLIFIER III-V, print board IX.

9) Adjust also the AF DETECTOR print board X.

AF AMPLIFIER III-IV-V Printed circuit board

1) Set FUNCTION to AM+.

2) Set METER RANGE to 100.

3) Adjust pot. R929 until the Modulation Meter indicates 0.

4) Set METER RANGE to 30.

5) Set FILTER/DEEMPHASIS to 200 kHz.

6) Connect the AF Oscillator between terminals J700/4 and J700/6 (chassis) on the terminal strip which holds the FM Detector print board VII.

7) Connect the AC Voltmeter between the terminals J800/15 and 18 (chassis) on the terminal strip which holds the AF Amplifier I-II, print board VIII.

8) Adjust the attenuator of the 1 kHz AF Oscillator until the AC Voltmeter indicates 20 mV rms. (If the signal is too strong, solder a resistor between the terminals J700/4 and J700/6 on the FM Detector print board.)

9) Disconnect the AC Voltmeter from the terminals J800/15 and J800/18.

10) Connect instead the AC Voltmeter to the AF OUTPUT connector.

11) Adjust pot. R909 until the AC Voltmeter indicates 0.672 V rms.

12) Adjust pot. R923 until the meter of AFM2 reads 30.

13) Disconnect the AF Oscillator, the AC Voltmeter and the resistor, if any.

14) Now adjust the AF DETECTOR, print board X.

AF DETECTOR Printed-circuit board

1) Set FUNCTION to AM-.

2) Set METER RANGE to 100.

3) Adjust pot. R1002 until the Modulation Meter indicates 0.

POWER SUPPLY Printed-circuit board

No realignment is necessary after the changing.

RF ATTENUATOR Printed-circuit board

No realignment is necessary after the changing.

METER

When the meter has been changed, it is necessary to adjust the following circuits:

AF Amplifier I-II

AF Amplifier III-IV-V

AF Detector.

REPLACEMENT OF SCALE CORDS

The AFM2 is fitted with two scale cords measuring 785 mm and 465 mm respectively. To facilitate their replacement, first remove the scale drum which is fastened to the front panel by means of a screw on either side of the scale window. The proper positioning of the scale cords is shown in Figs. G3 and G4.

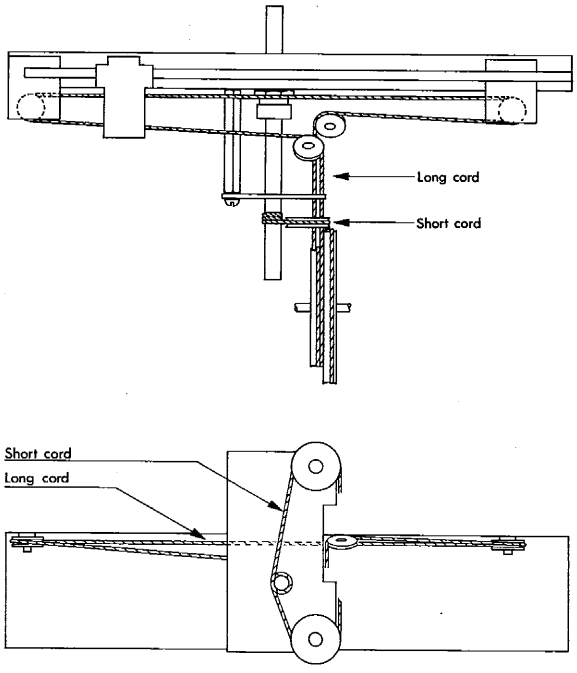

Fig. G3.

When the scale drum has been remounted so that its position corresponds to the RANGE setting, move the cursor to the extreme left by rotating the TUNING knob, and then fasten the cursor to the scale cord so that its reference line coincides with the small trimming mark on the scale. As it is rather difficult to get at the screw by means of which the cord is fastened to the cursor, it is recommended to move aside the box for the plug-in units. To do so, remove (1) the cover plate for plug-in units or (if mounted) the plug-in unit itself; (2) the bottom of the box (4 screws); (3) the 4 mounting screws on the front panel. Now loosen the nut fastening the threaded bush to the box (i.e., the brass tubing through which pass the leads from tuner to plug-in unit).

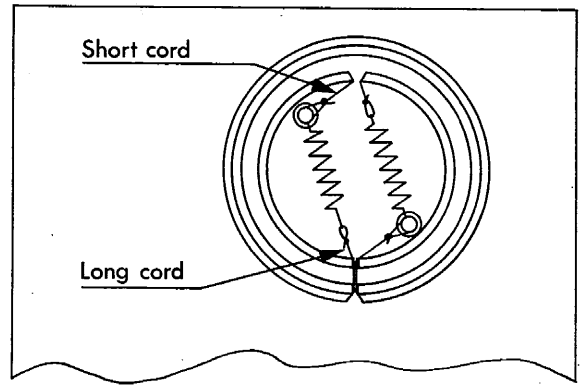

Fig. G4. Drive wheel with springs for long and short cords.

REPLACEMENT OF RF-ATTENUATOR

1) Remove the cover of the tuner box by prizing it off with a sharp screwdriver.

2) Remove the cover of the attenuator by unscrewing the 2 screws at the bottom.

3) Unsolder the cable at the RF INPUT connector.

4) Unscrew the RF INPUT connector. To gain access to the connector, it is recommended first to remove the left side frame of the chassis by unscrewing its 6 mounting screws (2 on the front panel, and 4 on the side frame).

5) Unsolder the attenuator cable inside the tuner and draw it out.

6) Remove the screw located on the front panel to the right of the 3 attenuator pushbuttons.

7) Remove the attenuator.

Note: When mounting the new attenuator, all screws must be carefully tightened so as to provide positive connection to chassis and adequate clearance between front panel and pushbuttons.

REPLACEMENT OF CIRCULAR TUNER PRINT BOARD

1) Remove the cover of the tuner box by prizing it off with a sharp screwdriver.

2) Remove the 7 screws holding the circular print board.

3) Pull the circular print board free of the mating contacts on the fixed print board, and then remove the circular board.

4) Mount the new circular print board, exercising care not to damage the contact springs of the fixed print board.

5) Check that the circular print board is properly centered, and that its contacts mesh with the contacts of the fixed print board in all positions of the RANGE selector.

REPLACEMENT OF FIXED TUNER PRINT BOARD

1) Remove the circular print board (see above).

2) Turn the TUNING knob fully counterclockwise.

3) Insert a 2.5 mm hexagonal key through the hole in the bottom of the tuner box, and loosen the screw in the coupling of the variable capacitor.

4) Unsolder the leads and cables affixed to the print board (9 soldered joints).

5) Remove the 3 screws holding the print board.

6) Hold the coupling firmly in position with a screwdriver inserted in the hole in the bottom of the tuner box, and then carefully pull out the print board.

7) Again using a screwdriver to immobilize the coupling, mount the replacement print board in position.

8) Insert the 3 mounting screws, but do not tighten them.

9) Mount the circular print board.

10) Check that the circular print board is properly centered and that the contacts of both boards mesh in all positions of the RANGE selector. Then tighten all screws.

11) Turn the TUNING knob fully counterclockwise.

12) Rotate the variable capacitor until it is fully meshed.

13) Tighten the screw in the coupling with the 2.5 mm hexagonal wrench key.

Section H. Parts List

In the following parts list a group code prefix number is used. To facilitate the use of this code, a list of the different types of parts and their corresponding group code prefix is listed below:

Standard resistors	100- to 139-
Precision resistors	140- to 152-
Non-linear resistors	160-
UHF resistors	170- to 172-
Carbon potentiometers	180- to 185-
Wire-wound potentiometers	190- to 195-
Mica capacitors	200- to 108-
Ceramic capacitors	210- to 214-
Paper capacitors	220- to 222-
Metal-paper capacitors	224- to 229-
Plastic capacitors	240- to 245-
Electrolytic capacitors	260- to 267-
Variable capacitors	280- to 286-
Special tubes	310-
Rectifiers	340- to 341-
Diodes	350-
Transistors	360-
Integrated circuits	364-
Lamps, batteries, fuses	400- to 486-
Switches	500- to 580-
Coils, coil material and transformers	700- to 785-

As we are continually improving our instruments, it is important, when ordering spare parts, that you include the following information:

The code number and description of the part
The circuit reference from the wiring diagram
The complete type designation of your instrument
The serial number of your instrument.

Please note that the position of any part can easily be found by referring to the last column of the parts list. This indicates on which figure the part can be located.

MAIN PARTS LIST

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.
C1	electrolytic	2.2 µF	100 V	241-007
C2	polystyrene	50 nF	1% 63 V	243-019
C3	polystyrene	1 nF	2% 63 V	243-014
C4	polystyrene	407 pF	1% 63 V	243-116
C5	polystyrene	3 nF	2% 63 V	243-107

LAMPS

Designation	Type	Code No.
I1	neon lamp, yellow, 110 V	400-703

TERMINALS

Designation	Type	Code No.
J1	coaxial bushing UG-657/U	800-108
J3	coaxial bushing UG-657/U	800-108
J4	coaxial bushing UHF-83GB-73	800-009
J5	phone jack, non-insulated	803-241
J6	phone jack, red	803-206
J7	phone jack, black	803-205
J8	phone jack, red	803-206
J9	phone jack, black	803-205
J10	phone jack, red	803-206
J11	phone jack, black	803-205
J12	3-pole socket	805-430
J300	terminal strip, 20 pole	805-612
J400	terminal strip, 15-pole	805-613
J500	terminal strip, 20-pole	805-612
J600	terminal strip, 10-pole	805-614

J700	terminal strip, 15-pole	805-613
J800	terminal strip, 15-pole	805-613
J900	terminal strip, 20-pole	805-612
J1000	terminal strip, 15-pole	805-613
J1100	terminal strip, 20-pole	805-612
J1200	terminal strip, 13-pole	805-639

INDUCTORS

Designation	Type	Code No.
L1	ferroxcube tube, 15 mm	704-301
L2	ferroxcube tube, 15 mm	704-301
L3	ferroxcube tube, 15 mm	704-301
L4	ferroxcube tube, 15 mm	704-301
L5	ferroxcube tube, 15 mm	704-301
L6	ferroxcube tube, 15 mm	704-301
L7	ferroxcube tube, 15 mm	704-301
L8	ferroxcube tube, 15 mm	704-301

METERS

Designation	Type	Code No.
meter with scale, 450 µA		482-140

RESISTORS

Designation	Type	Value	Code No.
R1	tandem potm.	A 250 kΩ pos. exp. 10% B 500 Ω lin.	180-203
R2	wire-wound	110 Ω 2% at 25^0C	152-051
R3	metal film	4.95 kΩ 0.2% 1/4 W	140-393
R4	metal film	550Ω 0.2% 1/4 W	140-390
R5	metal film	1 kΩ 0.2% 1/4 W	140-391
R6	metal film	3.16 kΩ 0.2% 1/4 W	140-392

R7	metal film	10 kΩ 0.2% 1/4 W	140-394
R8	carbon film	1.5 kΩ 5% 0.3 W	106-415
R9	carbon film	1.2 kΩ 5% 0.3 W	106-412
R10	metal film	3.5 kΩ 2% 1/4 W	140-384
R11	metal film	10 kΩ 1% 1/4 W	140-340
R12	metal film	750 Ω 2% 1/4 W	140-381
R13	metal film	1.25 kΩ 2% 1/4 W	140-382
R14	metal film	14.75 kΩ 2% 1/4 W	140-385
R15	metal film	2.91 kΩ 2% 1/4 W	140-383
R16	metal film	2.49 kΩ 1% 1/4 W	140-464
R17	metal film	3.39 kΩ 1% 1/4 W	140-466
R18	metal film	18 kΩ 1% 1/4 W	140-118
R19	metal film	227 Ω 1% 1/4 W	140-465
R20	metal film	1.01 kΩ 1% 1/4 W	140-467
R21	metal film	5.05 kΩ 1% 1/4 W	140-463

SWITCHES

Designation	Type	Code No.
S1	slide switch	510-204
S2	slide switch	510-204
S3	slide switch	510-204
S4	slide switch	510-204
x S5	switch, "RANGE"	550-985
x S6	switch, "FUNCTION"	550-986
x S7	switch, "DEEMPHASIS"	550-987
S8	main switch, 2-pole	500-102
x S1300	switch, "RF INPUT Attenuator"	550-992

TRANSFORMERS

Designation	Type	Code No.
x T1	transformer TBS593	770-593

x indicates special parts manufactured by Radiometer.

CABLES

Designation	Type	Code No.
W1	coaxial cable, 50 Ω, RG196/U, 0.21 m	600-014
W2	coaxial cable, 50 Ω, RG196/U, 0.17 m	600-014
W3	coaxial cable, 50 Ω, RG196/U, 0.13 m	600-014
W4	coaxial cable, 50 Ω, RG196/U, 0.035 m	600-014
W5	coaxial cable, 50 Ω, RG196/U, 0.045 m	600-014
W6	coaxial cable, 50 Ω, RG196/U, 0.050 m	600-014
W7	coaxial cable, 50 Ω, RG196/U, 0.43 m	600-014
W8	coaxial cable, 50 Ω, RG196/U, 0.18 m	600-014
W9	coaxial cable, 50 Ω, RG196/U, 0.075 m	600-014
W10	coaxial cable, 50 Ω, RG196/U, 0.165 m	600-014
W11	coaxial cable, 50 Ω, RG196/U, 0.335 m	600-014
W12	coaxial cable, 50 Ω, RG196/U, 0.335 m	600-014
W13	coaxial cable, 50 Ω, RG196/U, 0.075 m	600-014
W14	coaxial cable, 50 Ω, RG196/U, 0.17 m	600-014
W15	coaxial cable, 50 Ω, RG196/U, 0.27 m	600-014
W16	coaxial cable, 50 Ω, RG196/U, 0.21 m	600-014
W17	coaxial cable, 50 Ω RG196/U, 0.06 m	600-014
W18	coaxial cable, 50 Ω, RG196/U, 0.345 m	600-014
W19	coaxial cable, 50 Ω, RG196/U, 0.335 m	600-014
W20	coaxial cable, 50 Ω, RG196/U, 0.195 m	600-014
W21	coaxial cable, 50 Ω, RG196/U, 0.21 m	600-014
W22	coaxial cable, 50 Ω, RG196/U, 0.20 m	600-014
W23	coaxial cable, 50 Ω, RG196/U, 0.18 m	600-014
W24	coaxial cable, 50 Ω, RG196/U, 0.195 m	600-014
W25	coaxial cable, 50 Ω, RG196/U, 0.42 m	600-014
W26	coaxial cable, 50 Ω, RG196/U, 0.135 m	600-014
W27	coaxial cable, 50 Ω, RG196/U, 0.147 m	600-014
W29	coaxial cable, 110 Ω, T3283, 0.30 m	600-001
W30	coaxial cable, 50 Ω, RG196/U, 0.028 m	600-014
W31	coaxial cable, 50 Ω, RG196/U, 0.22 m	600-014
W32	coaxial cable, 50 Ω, RG196/U, 0.25 m	600-014

MISCELLANEOUS

Designation	Type	Code No.
	x arrow knob N20	850-121
	x arrow knob with wing	850-122
	x knob N30	850-230
	x knob N40, with handle	850-241
	x bushing for knob N14/2A	851-101
	x bushing for knob N14/2B	851-102
	x bushing for knob N16/2A	851-201
	x rubber foot	855-002
	x scale A	861-220
	x scale B	861-214
	x scale C	861-215
	x scale D	861-216
	x scale E	861-217
	x scale F	861-218
	x scale G	861-221
	x chain	4975-A4
	x chain wheel	867-628
	x chain wheel	867-629
	x chain wheel	867-630
	x scale line	3101/3102-A5
	x cyl. pinion	870-124
	x cyl. pinion	870-300
	x cyl. pinion	870-301
	x cyl. pinion	870-302
	x locking pinion	872-119
	x locking pinion	872-120
	x conical pinion	872-233

x indicates special parts manufactured by Radiometer.

PRINT BOARD I - TUNER AND RF ATTENUATOR

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C101	electrolytic	250 µF	25 V	260-042	
C102	tantalum	10 µF	15 V	267-000	
C103	ceramic	47 pF	±20% 25 V	213-019	
C104	ceramic	22 nF	-20/+80% 40 V	213-011	
C105	ceramic	22 nF	-20/+80% 40 V	213-011	
xC106	variable			285-513	
C107	ceramic	2.2 nF	-20/+80% 25 V	213-012	
C108	trimmer	0.5 - 3 pF		286-206	
C109	ceramic	1 nF	-20/+80% 25 V	213-013	
C110	trimmer	0.5 - 3 pF		286-206	
C111	ceramic	1 nF	-20/+80% 25 V	213-013	
C112	trimmer	0.5 - 3 pF		286-206	
C113	ceramic	470 pF	-20/+80% 25 V	213-014	
C114	trimmer	0.5 - 3 pF		286-206	
C115	ceramic	220 pF	-20/+80% 25 V	213-018	
C116	trimmer	0.5 - 3 pF		286-206	
C117	ceramic	47 pF	±5%	210-247	
C118	trimmer	0.5 - 3 pF		286-206	
C119	ceramic	47 pF	±20% 25 V	213-019	
C121	ceramic	2.2 pF	±0.5 pF	210-122	
C1300	ceramic	2.2 pF	±0.5 pF	210-122	H-1
C1301	ceramic	2.2 pF	±0.5 pF	210-122	H-1
C1302	ceramic	2.2 pF	±0.5 pF	210-122	H-1

DIODES

Designation	Type	Code No.
CR101	diode HP5082-2812 (matched)	350-802
CR102	diode HP5082-2812 (matched)	350-802

× indicates special parts manufactured by Radiometer.

CR103	diode 5082-2812 (matched)	350-802
CR104	diode 5082-2812 (matched)	350-802

FILTERS

Designation	Type	Code No.
FL101	filter B 8513-A-C1	910-032
FL102	filter B 8513-A-C1	910-032

INDUCTORS

Designation	Type	Code No.
L101	choke, 47 µH	703-008
L102	choke, 47 µH	703-008
xL103	oscillator coil	4993-A4
xL104	oscillator coil	4994-A4
xL105	oscillator coil	4995-A4
xL106	oscillator coil	4996-A4
xL107	oscillator coil	4997-A4
xL108	oscillator coil	4998-A4
L109	ferrite tube, 15 mm	704-301
L110	ferrite tube, 1.2/3.5 x 3.2	704-305
L113	ferrite tube, 1.2/3.5 x 3.2	704-305
L114	ferrite tube, 1.2/3.5 x 3.2	704-305
L115	choke, 47 µH	703-008
L116	ferrite tube, 7 mm	704-300
L119	ferrite tube, 1.2/3.5 x 3.2	704-305

TRANSISTORS

Designation	Type	Code No.
Q101	transistor 2N3906	360-062
Q102	transistor BC149	360-072
Q103	transistor BFY90	360-071

x indicates special parts manufactured by Radiometer.

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R101	carbon film	100 Ω 5% 0.3 W	106-310	
R102	carbon film	47 Ω 5% 0.3 W	106-247	
R103	carbon film	1 kΩ 5% 0.3 W	106-410	
R104	carbon film	5.6 kΩ 5% 0.3 W	106-456	
R105	carbon film	100 Ω 5% 0.3 W	106-310	
R106	carbon film	47 Ω 5% 0.3 W	106-247	
R107	carbon film	1 kΩ 5% 0.3 W	106-410	
R108	carbon film	6.8 kΩ 5% 0.3 W	106-468	
R109	carbon film	3.3 kΩ 5% 0.3 W	106-433	
R110	carbon film	6.8 kΩ 5% 0.3 W	106-468	
R111	carbon film	1 kΩ 5% 0.3 W	106-410	
R112	metal film	50 Ω 1% 1/2 W	140-355	
R113	metal film	50 Ω 1% 1/2 W	140-355	
R1300	metal film	95.3 Ω 1% 1/2 W	140-428	H-1
R1301	metal film	71.5 Ω 1% 1/2 W	140-429	H-1
R1302	metal film	95.3 Ω 1% 1/2 W	140-428	H-1
R1303	metal film	95.3 Ω 1% 1/2 W	140-428	H-1
R1304	metal film	71.5 Ω 1% 1/2 W	140-429	H-1
R1305	metal film	95.3 Ω 1% 1/2 W	140-428	H-1
R1306	metal film	95.3 Ω 1% 1/2 W	140-428	H-1
R1307	metal film	71.5 Ω 1% 1/2 W	140-429	H-1
R1308	metal film	48.7 Ω 1% 1/2 W	140-430	H-1
R1309	metal film	71.5 Ω 1% 1/2 W	140-429	H-1
R1310	metal film	95.3 Ω 1% 1/2 W	140-428	H-1

TRANSFORMERS

Designation	Type	Code No.
xT101	transformer	5029-A4
xT102	transformer	5165-A4

x indicates special parts manufactured by Radiometer.

PRINT BOARD II - IF FILTER (WIDE)

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C201	polystyrene	13830 pF	1% 63 V	243-105	H-2
C202	polystyrene	10550 pF	1% 63 V	243-104	H-2
C203	polystyrene	182 pF	1% 63 V	243-113	H-2
C204	polystyrene	437 pF	1% 63 V	243-118	H-2
C205	polystyrene	1106 pF	1% 63 V	243-099	H-2
C206	polystyrene	1326 pF	1% 63 V	243-101	H-2
C207	polystyrene	562 pF	1% 63 V	243-121	H-2
C208	polystyrene	174 pF	1% 63 V	243-112	H-2
C209	polystyrene	1715 pF	1% 63 V	243-102	H-2
C210	polystyrene	1295 pF	1% 63 V	243-100	H-2
C211	polystyrene	1856 pF	1% 63 V	243-103	H-2
C212	polystyrene	189 pF	1% 63 V	243-114	H-2
C213	polystyrene	407 pF	1% 63 V	243-116	H-2

INDUCTORS

Designation	Type	Code No.	Shown in Fig.
x L201	choke, 1.05 µH	4568-A4	H-2
x L202	choke, 10.15 µH	4569-A4	H-2
x L203	choke, 3.86 µH	4570-A4	H-2
x L204	choke, 6.69 µH	4571-A4	H-2
x L205	choke, 3.86 µH	4570-A4	H-2
x L206	choke, 3.09 µH	4573-A4	H-2
x L207	choke, 15.12 µH	4574-A4	H-2

CABLES

Designation	Type	Code No.	Shown in Fig.
W2010	coaxial cable, 50 Ω, RG196/U	600-014	H-2

x indicates special parts manufactured by Radiometer.

PRINT BOARD III - IF AMP + ATTENUATOR

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C301	polyester	27 nF	10% 400 V	240-527	H-3
C302	ceramic	47 pF	5%	210-247	H-3
C303	ceramic	1 pF	±0.25 pF	210-110	H-3
C304	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C305	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C306	trimmer	10-60 pF		286-006	H-3
C307	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C308	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-3
C309	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C311	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-3
C312	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-3
C313	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C314	ceramic	3.3 pF	±0.5 pF	210-133	H-3
C315	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C316	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-3
C317	ceramic	10 pF	±5%	210-210	H-3
C318	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C319	ceramic	4.7 nF	-20/+50% 40 V	231-010	H-3
C320	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C321	ceramic	22 nF	-20/+80% 40 V	213-011	H-3
C322	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-3
C323	ceramic	10 pF	5%	210-210	H-3
C324	ceramic	47 nF	-20/+80% 30 V	213-016	H-3
C325	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-3
C326	polyester	1.5 µF	10% 160 V	241-029	H-3
C327	ceramic	4.7 nF	-20/+80% 40 V	213-010	H-3
C328	ceramic		5% selected	211-	H-3

DIODES

Designation	Type	Code No.	Shown in Fig.
CR301	diode BAY74	350-413	H-3
CR302	diode BAY74	350-413	H-3
CR303	diode BAY74	350-413	H-3
CR304	diode BAY74	350-413	H-3

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P300	terminal strip, 20 pole	805-612	H-3

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q301	transistor BFY90	360-071	H-3
Q302	transistor 2N3904	360-064	H-3
Q303	transistor 2N3906	360-062	H-3
Q304	transistor 2N918	360-059	H-3
Q305	transistor 2N3906	360-062	H-3
Q306	transistor 2N3904	360-064	H-3
Q307	transistor 2N3906	360-062	H-3
Q308	transistor BC149	360-072	H-3
Q309	transistor 2N3906	360-062	H-3
Q310	transistor 2N3906	360-062	H-3
Q311	transistor BC149	360-072	H-3

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R300	carbon film, factory-selected		106-	H-3
R301	metal film	45.7Ω 0.5% 1/4 W	140-375	H-3
R302	carbon film	47 Ω 5% 0.3 W	106-247	H-3
R303	carbon film	390 Ω 5% 0.3 W	106-339	H-3
R304	carbon potm	1 kΩ, lin.	182-030	H-3
R305	carbon film	680 Ω 5% 0.3 W	106-368	H-3
R306	carbon film	100 Ω 5% 0.3 W	106-310	H-3
R307	carbon film	12 Ω 5% 0.3 W	106-212	H-3
R308	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-3
R309	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-3
R310	carbon film	8.2 kΩ 5% 0.3 W	106-482	H-3
R311	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-3
R312	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-3
R313	carbon film	39 Ω 5% 0.3 W	106-239	H-3
R314	carbon film	8.2 kΩ 5% 0.3 W	106-482	H-3
R315	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-3
R316	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-3
R317	carbon film	3.9 kΩ 5% 0.3 W	106-439	H-3
R318	carbon film	22 Ω 5% 0.3 W	106-222	H-3
R319	carbon film	270 Ω 5% 0.3 W	106-327	H-3
R320	carbon film	150 Ω 5% 0.3 W	106-315	H-3
R321	carbon film	82 Ω 5% 0.3 W	106-282	H-3
R322	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-3
R323	carbon film	100 Ω 5% 0.3 W	106-310	H-3
R324	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-3
R325	carbon film	8.2 kΩ 5% 0.3 W	106-482	H-3
R326	carbon film	100 Ω 5% 0.3 W	106-310	H-3
R327	carbon film	100 Ω 5% 0.3 W	106-310	H-3
R328	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-3

R329	carbon film	15 Ω 5% 0.3 W	106-215	H-3
R330	carbon film	330 Ω 5% 0.3 W	106-333	H-3
R331	carbon film	220 Ω 5% 0.3 W	106-322	H-3
R332	carbon film	82 Ω 5% 0.3 W	106-282	H-3
R333	carbon film	220 Ω 5% 0.3 W	106-322	H-3
R334	carbon film	27 kΩ 5% 0.3 W	106-527	H-3
R335	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-3
R336	carbon film	15 kΩ 5% 0.3 W	106-515	H-3
R337	carbon film	330 Ω 5% 0.3 W	106-333	H-3
R338	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-3
R339	carbon film	68 Ω 5% 0.3 W	106-268	H-3
R340	carbon film	100 Ω 5% 0.3 W	106-310	H-3
R341	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-3
R342	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-3
R343	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-3
R344	carbon film	150 Ω 5% 0.3 W	106-315	H-3
R345	carbon potm.	250 Ω, lin.	182-039	H-3

CABLES

Designation	Type	Code No.	Shown in Fig.
W300	coaxial cable, 50Ω, RG196/U, 0.14 m	600-014	H-3

PRINT BOARD IV - IF FILTER (NARROW)

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C401	polystyrene	695 pF	1% 63 V	243-098	H-4
C402	polystyrene	582 pF	1% 63 V	243-122	H-4
C403	polystyrene	166 pF	1% 63 V	243-111	H-4
C404	polystyrene	739 pF	1% 63 V	243-123	H-4
C405	ceramic	4.7 nF	-20/+80% 40 V	213-010	H-4
C406	polystyrene	483 pF	1% 63 V	243-120	H-4
C407	polystyrene	442 pF	1% 63 V	243-119	H-4
C408	polystyrene	244 pF	1% 63 V	243-115	H-4
C409	polystyrene	432 pF	1% 63 V	243-117	H-4
C410	polystyrene	900 pF	1% 63 V	243-154	H-4
C412	polystyrene	412 pF	1% 63 V	243-124	H-4
C413	ceramic	4.7 nF	-20/+80% 40 V	213-010	H-4
C414	ceramic	4.7 nF	-20/+80% 40 V	213-010	H-4

DIODES

Designation	Type	Code No.	Shown in Fig.
CR401	diode BAX16	350-023	H-4

INDUCTORS

Designation	Type	Code No.	Shown in Fig.
x L401	inductor, 5.82 µH	4575-A4	H-4
x L402	inductor, 6.95 µH	4576-A4	H-4
x L403	inductor, 0.53 µH	4577-A4	H-4
x L404	inductor, 0.53 µH	4577-A4	H-4
x L405	inductor, 0.53 µH	4577-A4	H-4
x L406	inductor, 1.22 µH	4578-A4	H-4

x indicates special parts manufactured by Radiometer.

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P400	terminal strip, 15 pole	805-613	H-4

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q401	transistor 2N1711	360-091	H-4
Q402	transistor 2N3904	360-064	H-4
Q403	transistor 2N3904	360-064	H-4

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R401	metal film	226 Ω 1% 1/16 W	140-528	H-4
R402	metal film	97.4 Ω 1% 1/4 W	140-377	H-4
R403	metal film	100 Ω 0.5 % 1/4 W	140-169	H-4
R404	carbon film	5.6 kΩ 5% 0.3 W	106-456	H-4
R405	carbon film	68 kΩ 5% 0.3 W	106-568	H-4
R406	carbon film	82 kΩ 5% 0.3 W	106-582	H-4
R407	carbon film	82 kΩ 5% 0.3 W	106-582	H-4
R408	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-4
R409	carbon film	82 kΩ 5% 0.3 W	106-582	H-4
R410	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-4
R411	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-4
R412	carbon film	56 Ω 5% 0.3 W	106-256	H-4
R413	metal film	143 Ω 1% 1/20 W	140-527	H-4

CABLES

Designation	Type		Code No.	Shown in Fig.
W400	coaxial cable	50 Ω, RG196/U	600-014	H-4

PRINT BOARD V - AM DETECTOR + IF OUTPUT AMP

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C501	polystyrene	100 pF	5% 125 V	243-037	H-5
C502	ceramic	22 nF	-20/+80% 40 V	213-011	H-5
C503	polystyrene	100 pF	5% 125 V	243-037	H-5
C504	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-5
C505	ceramic	22 nF	-20/+80% 40 V	213-011	H-5
C506	polystyrene	150 pF	5% 125 V	243-030	H-5
C507	ceramic	47 pF	5%	210-247	H-5
C508	ceramic	22 nF	-20/+80% 40 V	213-011	H-5
C510	tantalum	10 µF	15 V	267-000	H-5
C511	ceramic	3.3 pF	±0.5 pF	210-133	H-5
C512	ceramic	47 nF	-20/+80% 30 V	213-016	H-5
C513	ceramic	47 nF	-20/+80% 30 V	213-016	H-5
C514	ceramic	22 nF	-20/+80% 40 V	213-011	H-5
C515	tantalum	10 µF	15 V	267-000	H-5
C516	tantalum	10 µF	15 V	267-000	H-5
C517	polystyrene	100 pF	5% 125 V	243-037	H-5
C518	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-5
C519	ceramic	82 pF	5%	210-282	H-5
C520	ceramic	22 nF	-20/+80% 40 V	213-011	H-5
C521	ceramic	22 nF	-20/+80% 40 V	213-011	H-5
C522	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-5
C523	ceramic	2.2 nF	-20/+80% 25 V	213-012	H-5
C524	polystyrene	300 pF	10% 63 V	243-108	H-5
C525	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-5
C526	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-5
C527	polystyrene	300 pF	10% 63 V	243-108	H-5

C528	polyester	10 µF	10% 63 V	241-028	H-5
C529	tantalum	20 µF	6 V	267-001	H-5
C530	tantalum	68 µF	16 V	267-015	H-5

DIODES

Designation	Type	Code No.	Shown in Fig.
CR501	zener diode BZY88C9V1	350-606	H-5
CR502	diode 1N916	350-019	H-5
CR503	diode 1N916	350-019	H-5
CR504	zener diode BZY88C7V5	350-621	H-5
CR505	diode HD5004	350-017	H-5
CR506	diode HD5004	350-017	H-5

INDUCTORS

Designation	Type	Code No.	Shown in Fig.
L501	choke, 47 µH	703-008	H-5
L502	choke, 47 µH	703-008	H-5

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P500	terminal strip, 20-pole	805-612	H-5

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q501	transistor 2N3904	360-064	H-5
Q502	transistor 2N3906	360-062	H-5
Q503	transistor 2N3904	360-064	H-5

Q504	transistor 2N3904	360-064	H-5
Q505	transistor 2N3904	360-064	H-5
Q506	transistor 2N3906	360-062	H-5
Q507	transistor 2N3904	360-064	H-5
Q508	transistor 2N3906	360-062	H-5
Q509	transistor 2N3906	360-062	H-5
Q510	transistor 2N3904	360-064	H-5
Q511	transistor 2N3906	360-062	H-5
Q512	transistor 2N930	360-038	H-5
Q513	transistor BC149	360-072	H-5
Q514	transistor 2N5087	360-087	H-5
Q515	transistor BC149	360-072	H-5

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R501	carbon film	10 kΩ 5% 0.3 W	106-510	H-5
R502	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-5
R503	carbon film	27 Ω 5% 0.3 W	106-227	H-5
R504	carbon film	560 Ω 5% 0.3 W	106-356	H-5
R505	carbon film	120 Ω 5% 0.3 W	106-312	H-5
R506	carbon film	47 Ω 5% 0.3 W	106-247	H-5
R507	carbon film	330 Ω 5% 0.3 W	106-333	H-5
R508	carbon film	22 Ω 5% 0.3 W	106-222	H-5
R509	carbon film	47 Ω 5% 0.3 W	106-247	H-5
R510	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-5
R511	carbon. film	5.6 kΩ 5% 0.3 W	106-456	H-5
R512	carbon film	220 Ω 5% 0.3 W	106-322	H-5
R513	carbon film	5.6 kΩ 5% 0.3 W	106-456	H-5
R514	carbon pot.	2.5 kΩ, lin.	182-031	H-5
R515	carbon film	560 Ω 5% 0.3 W	106-356	H-5
R516	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-5
R517	carbon film	390 Ω 5% 0.3 W	106-339	H-5

R518	carbon film	47 Ω 5% 0.3 W	106-247	H-5
R519	carbon film	1 kΩ 5% 0.3 W	106-410	H-5
R520	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-5
R521	carbon film	100 Ω 5% 0.3 W	106-310	H-5
R522	carbon film	22 Ω 5% 0.3 W	106-222	H-5
R523	carbon film	3.9 kΩ 5% 0.3 W	106-439	H-5
R524	carbon film	27 kΩ 5% 0.3 W	106-527	H-5
R525	carbon film	10 kΩ 5% 0.3 W	106-510	H-5
R526	carbon film	220 Ω 5% 0.3 W	106-322	H-5
R527	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-5
R528	carbon film	27 Ω 5% 0.3 W	106-227	H-5
R529	carbon film	220 Ω 5% 0.3 W	106-322	H-5
R530	carbon film	100 Ω 5% 0.3 W	106-310	H-5
R531	carbon film	1.5 kΩ 5% 0,3 W	106-415	H-5
R532	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-5
R533	carbon film	10 kΩ 5% 0.3 W	106-510	H-5
R534	carbon film	680 Ω 5% 0.3 W	106-368	H-5
R535	carbon film	22 Ω 5% 0.3 W	106-222	H-5
R536	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-5
R537	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-5
R538	metal film	444 Ω 1% 1/4 W	140-396	H-5
R539	carbon potm.	10 kΩ, lin.	182-033	H-5
R540	carbon film	5.6 kΩ 5% 0.3 W	106-456	H-5
R541	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-5
R542	carbon film	5.6 kΩ 5% 0.3 W	106-456	H-5
R543	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-5
R544	carbon film	2.07 kΩ 5% 1/10 W	143-038	H-5
R545	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-5
R546	carbon film	56 kΩ 5% 0.3 W	106-556	H-5
R547	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-5
R548	carbon film	82 kΩ 5% 0.3 W	106-582	H-5
R549	carbon film	150 kΩ 5% 0.3 W	106-615	H-5

R550	carbon film	100 kΩ 5% 0.3 W	106-610	H-5
R551	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-5
R552	carbon film	12 kΩ 5% 0.3 W	106-512	H-5
R553	carbon potm.	1 kΩ, lin.	182-030	H-5
R554	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-5
R555	carbon film	8.2 kΩ 5% 0.3 W	106-482	H-5
R556	carbon film	82 kΩ 5% 0.3 W	106-582	H-5
R557	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-5
R558	carbon potm.	25 kΩ, lin.	182-034	H-5
R559	metal film	600 Ω 1% 1/4 W	140-378	H-5
R560	carbon film	27 kΩ 5% 0.3 W	106-527	H-5
R561	metal film	160 kΩ 1% 1/2 W	140-094	H-5
R562	metal film	100 kΩ 1% 1/10 W	140-474	H-5
R565	carbon film	68 Ω 5% 0.3 W	106-268	H-5

SOLDERING STRIPS

Designation	Type	Code No.	Shown in Fig.
TB501	soldering strip, 5-pole	821-105	H-5

PRINT BOARD VI - LIMITER

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C601	ceramic	1 nF	-20/+80% 25 V	213-013	H-6
C602	polystyrene	100 pF	5% 125 V	243-037	H-6
C603	tantalum	10 µF	15 V	267-000	H-6
C604	tantalum	10 µF	15 V	267-000	H-6
C605	ceramic	22 nF	40 V	213-011	H-6
C606	ceramic	1 nF	-20/+80% 25 V	213-013	H-6
C607	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-6
C608	tantalum	10 µF	15 V	267-000	H-6
C609	polystyrene	100 pF	5% 125 V	243-037	H-6
C610	polystyrene	100 pF	5% 125 V	243-037	H-6
C611	ceramic	1 nF	-20/+80% 25 V	213-013	H-6
C612	ceramic	47 nF	-20/+80% 30 V	213-016	H-6
C613	ceramic	1 nF	-20/+80% 25 V	213-013	H-6
C614	ceramic	33 pF	5%	210-233	H-6
C615	ceramic	22 nF	-20/+80% 40 V	213-011	H-6
C616	ceramic	22 nF	-20/+80% 40 V	213-011	H-6
C617	ceramic	33 pF	5%	210-233	H-6
C618	ceramic	22 nF	-20/+80% 40 V	213-011	H-6
C619	ceramic	22 pF	5%	210-222	H-6
C620	ceramic	22 nF	-20/+80% 40 V	213-011	H-6
C621	tantalum	10 µF	15 V	267-000	H-6
C622	ceramic	470 pF	-20/+80% 25 V	213-014	H-6
C623	tantalum	10 µF	15 V	267-000	H-6
C624	ceramic	47 nF	-20/+80% 30 V	213-016	H-6
C625	tantalum	10 µF	15 V	267-000	H-6
C626	ceramic	22 nF	-20/+80% 40 V	213-011	H-6

C627	tantalum	10 µF	15 V	267-000	H-6
C628	tantalum	10 µF	15 V	267-000	H-6
C629	tantalum	10 µF	15 V	267-000	H-6
C630	ceramic	2.2 nF	-20/+80% 25 V	213-012	H-6
C631	tantalum	10 µF	15 V	267-000	H-6

DIODES

Designation	Type	Code No.	Shown in Fig.
CR601	diode BAV10	350-022	H-6
CR602	diode BAV10	350-022	H-6
CR603	diode BAX16	350-023	H-6
CR604	diode BAX16	350-023	H-6
CR605	diode BAV10	350-022	H-6
CR606	diode BAV10	350-022	H-6
CR607	zener diode 1N3497	350-637	H-6

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P600	terminal strip, 10 pole	805-614	H-6

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q601	transistor 2N3906	360-062	H-6
Q602	transistor 2N3906	360-062	H-6
Q603	transistor BC149	360-072	H-6
Q604	transistor BC149	360-072	H-6
Q605	transistor BC149	360-072	H-6
Q606	transistor BC149	360-072	H-6
Q607	transistor 2N3906	360-062	H-6
Q608	transistor 2N3906	360-062	H-6

Q609	transistor 2N3906	360-062	H-6
Q610	transistor 2N3906	360-062	H-6
Q611	transistor 2N3906	360-062	H-6
Q612	transistor 2N3906	360-062	H-6
Q613	transistor 2N3906	360-062	H-6
Q614	transistor 2N3904	360-064	H-6
Q615	transistor BC149	360-072	H-6
Q616	transistor TD100	360-105	H-6
Q617	transistor BC149	360-072	H-6
Q618	transistor 2N3906	360-062	H-6
Q619	transistor 2N3906	360-062	H-6
Q620	transistor 2N3906	360-062	H-6

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R601	carbon film	330 Ω 5% 0.3 W	106-333	H-6
R602	carbon film	470 Ω 5% 0.3 W	106-347	H-6
R603	carbon film	330 Ω 5% 0.3 W	106-333	H-6
R604	carbon film	150 Ω 5% 0.3 W	106-315	H-6
R605	carbon film	3.9 kΩ 5% 0.3 W	106-439	H-6
R606	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-6
R607	carbon film	180 Ω 5% 0.3 W	106-318	H-6
R608	carbon film	18 Ω 5% 0.3 W	106-218	H-6
R609	carbon film	33 kΩ 5% 0.3 W	106-533	H-6
R610	carbon film	56 kΩ 5% 0.3 W	106-556	H-6
R611	carbon film	56 kΩ 5% 0.3 W	106-556	H-6
R612	carbon potm.	10 kΩ, lin.	182-033	H-6
R613	carbon film	8.2 kΩ 5% 0.3 W	106-482	H-6
R614	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-6
R615	carbon film	27 kΩ	106-527	H-6
R616	carbon film	5.6 kΩ	106-456	H-6
R617	carbon film	68 kΩ	106-568	H-6

R618	carbon film	68 kΩ 5% 0.3 W	106-568	H-6
R619	carbon film	10 kΩ 5% 0.3 W	106-510	H-6
R620	carbon film	10 kΩ 5% 0.3 W	106-510	H-6
R621	carbon film	1 kΩ 5% 0.3 W	106-410	H-6
R622	carbon film	1 kΩ 5% 0.3 W	106-410	H-6
R623	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-6
R624	carbon potm.	1 kΩ, lin.	182-030	H-6
R625	carbon film	560 Ω 5% 0.3 W	106-556	H-6
R626	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-6
R627	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-6
R628	carbon film	390 Ω 5% 0.3 W	106-339	H-6
R629	carbon film	47 Ω 5% 0.3 W	106-247	H-6
R630	carbon film	1 kΩ 5% 0.3 W	106-410	H-6
R631	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-6
R632	carbon film	560 Ω 5% 0.3 W	106-356	H-6
R633	carbon potm.	1 kΩ, lin.	182-030	H-6
R634	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-6
R635	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-6
R636	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-6
R637	carbon film	390 Ω 5% 0.3 W	106-339	H-6
R638	carbon film	47 Ω 5% 0.3 W	106-247	H-6
R639	carbon film	1 kΩ 5% 0.3 W	106-410	H-6
R640	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-6
R641	carbon film	12 kΩ 5% 0.3 W	106-512	H-6
R642	carbon film	1 kΩ 5% 0.3 W	106-410	H-6
R643	carbon film	47 Ω 5% 0.3 W	106-247	H-6
R644	carbon film	1 kΩ 5% 0.3 W	106-410	H-6
R645	carbon film	68 Ω 5% 0.3 W	106-268	H-6
R646	carbon film	10 kΩ 5% 0.3 W	106-510	H-6
R647	carbon film	10 Ω 5% 0.3 W	106-210	H-6
R648	carbon film	10 Ω 5% 0.3 W	106-210	H-6
R649	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-6
R650	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-6

R651	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-6
R652	carbon film	100 kΩ 5% 0.3 W	106-610	H-6
R653	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-6
R654	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-6
R655	carbon film	680 Ω 5% 0.3 W	106-368	H-6
R656	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-6
R657	carbon film	27 kΩ 5% 0.3 W	106-527	H-6
R658	carbon film	18 kΩ 5% 0.3 W	106-518	H-6
xR659	wire-wound	4.18 kΩ 1%	152-031	H-6
R660	trimmer	500 Ω 10%	193-000	H-6
xR661	wire-wound	2.46 kΩ 1%	152-029	H-6
R662	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-6
R663	carbon film	100 kΩ 5% 0.3 W	106-610	H-6
R664	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-6
R665	carbon film	47 kΩ 5% 0.3 W	106-547	H-6
xR666	wire-wound	10 kΩ 0.1%	152-032	H-6
xR667	wire-wound	10 kΩ 0.1%	152-032	H-6

CABLES

Designation	Type	Code No.	Shown in Fig.
W600	coaxial cable, 50 Ω, R196/U, 0.14 m	600-014	H-6

x indicates special parts manufactured by Radiometer.

PRINT BOARD VII - FM DETECTOR

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C701	ceramic	39 pF	5%	211-239	H-7
C702	ceramic	47 nF	-20/+80% 30 V	213-016	H-7
C703	ceramic	68 pF	5%	211-268	H-7
C704	ceramic	47 nF	-20/+80% 30 V	213-016	H-7
C705	ceramic	47 nF	-20/+80% 30 V	213-016	H-7
C706	tantalum	10 µF	15 V	267-000	H-7
C707	tantalum	10 µF	15 V	267-000	H-7
C708	ceramic	1 nF	-20/+80% 25 V	213-013	H-7
C709	tantalum	10 µF	15 V	267-000	H-7
C710	polystyrene	2 nF	1% 63 V	243-106	H-7
C711	polystyrene	2 nF	1% 63 V	243-106	H-7
C712	ceramic	47 nF	-20/+80% 30 V	213-016	H-7
C713	polyester	1µF	10% 63 V	241-027	H-7
C714	polyester	0.47 µF	10% 160 V	241-003	H-7
C715	polystyrene	4.7 nF	5% 63 V	243-021	H-7

DIODES

Designation	Type	Code No.	Shown in Fig.
CR701	zener diode BZY88C3V3	350-625	H-7
CR702	zener diode BZY88C3V6	350-626	H-7
CR703	diode ITT 700	350-028	H-7
CR704	diode ITT 700	350-028	H-7
CR705	diode ITT 700	350-028	H-7
CR706	diode BAX16	350-023	H-7

RELAYS

Designation	Type	Code No.	Shown in Fig.
K700	gas relay	570-033	H-7

INDUCTORS

Designation	Type	Code No.	Shown in Fig.
xL701	choke, 203 µH	4579-A4	H-7
xL702	choke, 394 µH	4580-A4	H-7
L703	choke, 47 µH	703-008	H-7

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P700	terminal strip, 15 pole	805-613	H-7

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q701	transistor 2N3904	360-064	H-7
Q702	transistor 2N3904	360-064	H-7
Q703	transistor 2N3904	360-064	H-7
Q704	transistor 2N3904	360-064	H-7
Q705	transistor 2N3251	360-052	H-7
Q706	transistor 2N3251	360-052	H-7
Q707	transistor 2N3906	360-062	H-7
Q708	transistor BC149	360-072	H-7
Q709	transistor TD100	360-105	H-7
Q710	transistor 2N3906	360-062	H-7
Q711	transistor BC149	360-072	H-7

x indicates special parts manufactured by Radiometer.

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R701	carbon film	100 Ω 5% 0.3 W	106-310	H-7
R702	carbon film	270 Ω 5% 0.3 W	106-327	H-7
R703	metal film	390 Ω 1% 1/8 W	140-409	H-7
R704	carbon film	10 Ω 5% 0.3 W	106-210	H-7
R705	metal film	910 Ω 1% 1/8 W	140-410	H-7
R706	carbon film	10 Ω 5% 0.3 W	106-210	H-7
R707	metal film	7.5 kΩ 1% 1/4 W	140-299	H-7
R708	trimmer potm. wire-wound	2 kΩ 10%	193-001	H-7
R709	carbon film	470 Ω 5% 0.3 W	106-347	H-7
R710	carbon film	10 Ω 5% 0.3 W	106-210	H-7
R711	carbon film	820 Ω 5% 0.3 W	106-382	H-7
R712	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-7
R713	metal film	100 Ω 0.2%	140-389	H-7
R714	carbon film	240 Ω 5% 0.5 W	100-324	H-7
R715	carbon film	220 Ω 5% 0.3 W	106-322	H-7
R716	carbon film	68 Ω 5% 0.3 W	106-268	H-7
R717	metal film	500 Ω 1% 1/4 W	140-397	H-7
R718	metal film	500 Ω 1% 1/4 W	140-397	H-7
R719	carbon film	15 kΩ 5% 0.3 W	106-515	H-7
R720	carbon film	33 kΩ 5% 0.3 W	106-533	H-7
R721	carbon film	10 MΩ 5% 1/2 W	100-810	H-7
R722	carbon film	39 kΩ 5% 0.3 W	106-539	H-7
R723	carbon film	39 kΩ 5% 0.3 W	106-539	H-7
R724	carbon film	33 kΩ 5% 0.3 W	106-533	H-7
R725	carbon film	3.3 MΩ 5% 1/2 W	100-633	H-7
R726	carbon film	27 kΩ 5% 0.3 W	106-527	H-7
R727	carbon film	56 kΩ 5% 0.3 W	106-556	H-7
R728	carbon film	180 kΩ 5% 0.3 W	106-618	H-7
R729	carbon film	270 kΩ 5% 0.3 W	106-627	H-7

R730	carbon film	82 kΩ 5% 0.3 W	106-582	H-7
R731	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-7
R732	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-7
R733	carbon film	68 kΩ 5% 0.3 W	106-568	H-7
R734	metal film	2.25 kΩ 1% 1/4 W	140-380	H-7
R735	metal film	822 Ω 1% 1/4 W	140-379	H-7
xR736	wire-wound	5.3 kΩ 1%	152-030	H-7
R737	carbon potm.	500 Ω, lin.	182-038	H-7
R738	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-7
R739	carbon potm.	2.5 kΩ, lin.	182-031	H-7
xR740	wire-wound	29 kΩ 1%	152-033	H-7

CABLES

Designation	Type	Code No.	Shown in Fig.
W701	coaxial cable, 50 Ω, RG196/U, 0.04 m	600-014	H-7

x indicates special parts manufactured by Radiometer.

PRINT BOARD VIII - AF AMPLIFIER I + II

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C801	polystyrene	2 nF	1% 63 V	243-106	H-8
C802	polystyrene	2 nF	1% 63 V	243-106	H-8
C803	polystyrene	2 nF	1% 63 V	243-106	H-8
C804	polystyrene	2 nF	1% 63 V	243-106	H-8
C805	electrolytic	1000 µF	15/18 V	260-044	H-8
C806	polystyrene	130 pF	5% 125 V	243-039	H-8
C807	ceramic	15 pF	5%	210-215	H-8
C808	polystyrene	600 pF	5% 125 V	243-027	H-8
C809	ceramic	1 nF	-20/+80% 25 V	213-013	H-8
C810	tantalum	10 µF	15 V	267-000	H-8
C811	ceramic	47 nF	-20/+80% 30 V	213-016	H-8
C812	polystyrene	54.5 nF	1% 63 V	243-158	H-8
C813	ceramic	82 pF	5%	210-282	H-8

DIODES

Designation	Type	Code No.	Shown in Fig.
CR801	diode BAV10	350-022	H-8
CR802	zener diode BZY88C6V8	350-627	H-8
CR803	zener diode BZY88C6V8	350-627	H-8

INDUCTORS

Designation	Type	Code No.	Shown in Fig.
xL801	choke, 400 µH	4581-A4	H-8
xL802	choke, 400 µH	4581-A4	H-8
xL803	choke, 400 µH	4581-A4	H-8

x indicates special parts manufactured by Radiometer.

xL804	choke, 400 µH	4581-A4	H-8
xL805	choke, 110 µH	4582-A4	H-8

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P800	terminal strip, 20 contacts	805-612	H-8

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q801	transistor TD121	360-077	H-8
Q802	transistor BC149	360-072	H-8
Q803	transistor 2N3906	360-062	H-8
Q804	transistor TD121	360-077	H-8
Q805	transistor BC149	360-072	H-8
Q806	transistor BC149	360-072	H-8

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R801	metal film	550 Ω 0.2% 1/8 W	140-390	H-8
R802	carbon film	680 Ω 5% 0.3 W	106-368	H-8
R803	carbon potm.	100 kΩ, lin.	182-035	H-8
R804	carbon film	3.9 MΩ 5% 1/2 W	100-739	H-8
R805	metal film	3.16 kΩ 1% 1/4 W	140-408	H-8
R806	carbon film	47 kΩ 5% 0.3 W	106-547	H-8
R807	carbon film	22 kΩ 5% 0.3 W	106-522	H-8
R808	carbon film	330 Ω 5% 0.3 W	106-333	H-8
R809	carbon film	1 kΩ 5% 0.3 W	106-410	H-8
R810	carbon film	1 kΩ 5% 0.3 W	106-410	H-8
R811	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-8

x indicates special parts manufactured by Radiometer.

R812	carbon film	180 Ω 5% 0.3 W	106-318	H-8
R813	carbon film	82 Ω 5% 0.3 W	106-282	H-8
R814	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-8
R815	carbon film	560 Ω 5% 0.3 W	106-356	H-8
R816	carbon film	1 kΩ 5% 0.3 W	106-410	H-8
R817	carbon film	39 kΩ 5% 0.3 W	106-539	H-8
R818	carbon film	56 kΩ 5% 0.3 W	106-556	H-8
R819	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-8
R820	carbon film	12 kΩ 5% 0.3 W	106-512	H-8
R821	carbon film	470 Ω 5% 0.3 W	106-347	H-8
R822	carbon film	6.8 kΩ 5% 0.3 W	106-468	H-8
R823	metal film	500 Ω 1% 1/4 W	140-397	H-8
R824	carbon film	5.6 kΩ 5% 0.3 W	106-456	H-8
R825	metal film	12.6 kΩ 0.5% 1/4 W	140-395	H-8

PRINT BOARD IX - AF AMPLIFIER III - V

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C901	polystyrene	2 nF	1% 63 V	243-106	H-9
C902	polystyrene	2 nF	1% 63 V	243-106	H-9
C903	polystyrene selected	100 pF	5% 160 V	243-037	H-9
C905	tantalum	1.2 µF	10% 35/46 V	266-023	H-9
C906	electrolytic	1000 µF	6 V	260-043	H-9
C907	ceramic	47 pF	5%	210-247	H-9
C908	polystyrene	700 pF	5% 125 V	243-033	H-9
C909	tantalum	10 µF	15 V	267-000	H-9
C910	tantalum	10 µF	15 V	267-000	H-9
C911	polyester	10µF	10 % 63 V	241-028	H-9
C912	polyester	2.2 µF	10% 100 V	241-007	H-9
C913	ceramic	68 pF	5%	211-268	H-9
C914	ceramic	2.2 pF	±0.5 pF	210-122	H-9
C915	ceramic	0.1 µF	-20/+80% 12 V	213-017	H-9
C916	tantalum	10 µF	15 V	267-000	H-9
C917	tantalum	10 µF	15 V	267-000	H-9

DIODES

Designation	Type	Code No.	Shown in Fig.
CR901	diode BAX16	350-023	H-9
CR902	zener diode BZY88C6V2	350-604	H-9
CR903	diode 1N916	350-019	H-9

INDUCTORS

Designation	Type	Code No.	Shown in Fig.
xL901	choke, 197 µH	4583-A4	H-9
xL902	choke, 394 µH	4580-A4	H-9
xL903	choke, 203 µH	4579-A4	H-9

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P900	terminal strip, 20 pole	805-612	H-9

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q901	transistor BC149	360-072	H-9
Q902	transistor 2N3906	360-062	H-9
Q903	transistor BC149	360-072	H-9
Q904	transistor BC149	360-072	H-9
Q905	transistor BC149	360-072	H-9
Q906	transistor 2N3906	360-062	H-9
Q907	transistor BC149	360-072	H-9
Q908	transistor BC149	360-072	H-9
Q909	transistor BC149	360-072	H-9
Q910	transistor BC149	360-072	H-9
Q911	transistor 2N3906	360-062	H-9
Q912	transistor BC149	360-072	H-9

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R901	metal film	500 Ω 1% 1/4 W	140-397	H-9

× indicates special parts manufactured by Radiometer.

R902	carbon film	150 Ω 5% 0.3 W	106-315	H-9
R903	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-9
R904	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-9
R905	carbon film	56 Ω 5% 0.3 W	106-256	H-9
R906	carbon film	150 Ω 5% 0.3 W	106-315	H-9
R907	carbon film	56 kΩ 5% 0.3 W	106-556	H-9
R908	metal film	2410 Ω 1% 1/4 W	140-401	H-9
R909	carbon potm.	500 Ω, lin.	182-038	H-9
R910	carbon film	27 kΩ 5% 0.3 W	106-527	H-9
R911	carbon film	12 kΩ 5% 0.3 W	106-512	H-9
R912	carbon film	330 Ω 5% 0.3 W	106-333	H-9
R913	carbon film	3.3 kΩ 5% 0.3 W	106-433	H-9
R914	carbon film	560 Ω 5% 0.3 W	106-356	H-9
R915	carbon film	100 Ω 5% 0.3 W	106-310	H-9
R916	carbon film	10 kΩ 5% 0.3 W	106-510	H-9
R917	carbon film	1 kΩ 5% 0.3 W	106-410	H-9
R918	carbon film	100 Ω 5% 0.3 W	106-310	H-9
R919	metal film	36.1 kΩ 1% 1/4 W	140-404	H-9
R920	metal film	850 Ω 1% 1/4 W	140-399	H-9
R921	metal film	2.04 kΩ 1% 1/4 W	140-400	H-9
R922	carbon film	1 MΩ 5% 0.3 W	106-710	H-9
R923	carbon potm.	10 kΩ, lin.	182-033	H-9
R924	metal film	50 kΩ 1% 1/4 W	140-405	H-9
R925	carbon film, selected	5.6 kΩ 5% 0.3 W	106-456	H-9
R926	carbon film	470 kΩ 5% 0.3 W	106-647	H-9
R927	carbon film	120 kΩ 5% 0.3 W	106-612	H-9
R928	carbon film	5.6 MΩ 5% 1/2 W	100-756	H-9
R929	carbon potm.	0.5 MΩ, lin.	182-036	H-9
R930	carbon film	680 Ω 5% 0.3 W	106-368	H-9
R931	carbon film	530 Ω 5% 0.3 W	106-333	H-9
R932	carbon film	39 kΩ 5% 0.3 W	106-539	H-9
R933	carbon film	1 kΩ 5% 0.3 W	106-410	H-9
R934	carbon film	12 kΩ 5% 0.3 W	106-512	H-9

R935	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-9
R936	carbon film	100 Ω 5% 0.3 W	106-310	H-9
R937	metal film	270 kΩ 1% 1/4 W	140-406	H-9
R938	carbon film	100 Ω 5% 0.3 W	106-310	H-9

PRINT BOARD X - AF DETECTOR

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C1001	polyester	68 nF	10% 400 V	240-568	H-10
C1002	polyester	68 nF	10% 400 V	240-568	H-10
C1003	polyester	0.47 µF	10% 125 V	240-001	H-10
C1004	polyester	0.47 µF	10% 125 V	240-001	H-10
C1005	ceramic	1 nF	±20%	213-017	H-10

DIODES

Designation	Type	Code No.	Shown in Fig.
CR1001	diode 1N5220	350-028	H-10
CR1002	diode 1N5220	350-028	H-10
CR1003	diode ER1	350-414	H-10
CR1004	diode ER1	350-414	H-10
CR1005	zener diode BZY88C5V6	350-629	H-10

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P1000	terminal strip, 15 pole	805-613	H-10

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q1001	transistor 2N930	360-038	H-10
Q1002	transistor 2N3906	360-062	H-10
Q1003	transistor BC149	360-072	H-10

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R1001	carbon film	18 MΩ 5% 1/2 W	100-818	H-10
R1002	carbon potm.	0.5 MΩ, lin.	182-036	H-10
R1003	carbon film	5.6 MΩ 5% 1/2 W	100-756	H-10
R1004	carbon film	470 kΩ 5% 0.3 W	100-647	H-10
R1005	carbon film	180 kΩ 5% 0.3 W	106-618	H-10
R1006	carbon film	12 kΩ 5% 0.3 W, selected	106-	H-10
R1007	carbon film	560 Ω 5% 0.3 W, selected	106-	H-10
R1008	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-10
R1009	carbon film	120 kΩ 5% 0.3 W	106-612	H-10
R1010	carbon film	1.8 kΩ 5% 0.3 W	106-418	H-10
R1011	carbon film	10 kΩ 5% 0.3 W	106-510	H-10
R1012	carbon film	1.5 kΩ 5% 0.3 W	106-415	H-10
R1013	metal film	700 Ω 1% 1/4 W	140-398	H-10
R1014	metal film	4.2 kΩ 1% 1/4 W	140-402	H-10
R1015	metal film	14.9 kΩ 1% 1/4 W	140-403	H-10
R1016	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-10

PRINT BOARD XI - POWER SUPPLY

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C1101	electrolytic	1000 µF	25 V	261-029	H-11
C1102	ceramic	0.1 µF	30 V	213-009	H-11
C1103	ceramic	15 pF	±5%	210-215	H-11
C1104	polyester	1 µF	10% 160 V	241-004	H-11
C1105	polyester	33 nF	10% 400 V	240-533	H-11
C1106	polyester	0.22 µF	10% 160 V	241-002	H-11
C1107	electrolytic	1000 µF	25 V	261-029	H-11
C1108	ceramic	33 pF	±5%	210-233	H-11
C1109	polyester	2.2 nF	10% 400 V	240-422	H-11
C1110	polyester	0.22 µF	10% 160 V	241-002	H-11

DIODES AND RECTIFIERS

Designation	Type	Code No.	Shown in Fig.
CR1101	diode ER1	350-414	H-11
CR1102	diode ER1	350-414	H-11
CR1103	rectifier B80C2000	340-204	H-11
CR1104	zener diode BZY88C5V6	350-629	H-11
CR1105	zener diode BZY88C6V8	350-627	H-11
CR1106	diode ER1	350-414	H-11
CR1107	diode BAX16	350-023	H-11

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P1100	terminal strip, 20 contacts	805-612	H-11

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q1100	transistor 2N2905A	360-073	H-11
Q1101	transistor BC149	360-072	H-11
Q1102	transistor BC149	360-072	H-11
Q1103	transistor 2N3906	360-062	H-11
Q1104	transistor 2N2905A	360-073	H-11
Q1105	transistor BD121	360-090	H-11
Q1106	transistor BD121	360-090	H-11

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R1101	carbon potm.	1 MΩ, lin.	182-037	H-11
R1102	carbon film	1 MΩ 5% 0.3 W	106-710	H-11
xR1103	wire-wound	6.8 Ω 5% 2.5 W	133-045	H-11
R1104	carbon film	12 Ω 5% 0.3 W	106-212	H-11
R1105	carbon film	68 Ω 5% 0.3 W	106-268	H-11
R1106	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-11
R1107	carbon film	82 Ω 5% 0.3 W	106-282	H-11
R1108	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-11
R1109	wire-wound	2 Ω 2% 1/2 W	135-000	H-11
R1110	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-11
R1111	carbon film	150 Ω 5% 0.3 W	106-315	H-11
R1112	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-11
R1113	carbon film	5.6 kΩ 5% 0.3 W	106-456	H-11
R1114	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-11
R1115	carbon potm.	1 kΩ, lin.	182-030	H-11
R1116	carbon film	2.7 kΩ 5% 0.3 W	106-427	H-11

x indicates special parts manufactured by Radiometer.

R1117	carbon film	1.2 kΩ 5% 1/2 W	100-412	H-11
R1118	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-11
xR1119	wire-wound	8.2 Ω 5% 2.5 W	133-044	H-11
R1120	carbon film	330 Ω 5% 0.3 W	106-333	H-11
R1121	carbon potm.	1 MΩ, lin.	182-037	H-11
R1122	carbon film	2.7 MΩ 5% 1/2 W	100-727	H-11
R1123	carbon film	100 Ω 5% 0.3 W	106-310	H-11
R1124	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-11
R1125	metal film	4.4 kΩ 0.5% 1/4 W	140-407	H-11
R1126	metal film	4.4 kΩ 0.5% 1/4 W	140-407	H-11
R1127	carbon film	2.2 kΩ 5% 0.3 W	106-422	H-11
R1128	carbon film	4.7 kΩ 5% 0.3 W	106-447	H-11

CABLES

Designation	Type	Code No.	Shown in Fig.
W1101	power line with plug, 1.7 m	615-005	H-11
W1102	shielded cable, 0.5 m	611-008	H-11

x indicates special parts manufactured by Radiometer.

CRYSTAL OSCILLATOR UNIT

CAPACITORS

Designation	Type	Value	Accuracy and max. voltage	Code No.	Shown in Fig.
C1201	trimmer	18 pF		285-601	H-12
C1202	trimmer	18 pF		285-601	H-12
C1203	trimmer	18 pF		285-601	H-12
C1204	trimmer	18 pF		285-601	H-12
C1205	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-12
C1206	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-12
C1207	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-12
C1208	ceramic	4.7 nF	-20/+50% 40 V	213-010	H-12
C1209	ceramic	1 nF	-20/+80% 25 V	213-013	H-12
C1210	ceramic, matched		-20/+80% 40 V	213-	H-12
C1211	ceramic	4.7 pF		211-147	H-12

DIODES

Designation	Type	Code No.	Shown in Fig.
CR1201	diode MA4883	350-027	H-12
CR1202	diode MA4883	350-027	H-12

INDUCTORS

Designation	Type	Code No.	Shown in Fig.
xL1201	coil	5076-A4	H-12
L1202	ferrite tube, 15 mm	704-301	H-12
L1203	ferrite tube, 15 mm	704-301	H-12
L1204	ferrite tube, 7 mm	704-300	H-12
L1205	choke, 0.3 µH	5576-A4	H-12
L1206	coil		

x indicates special parts manufactured by Radiometer.

TERMINALS

Designation	Type	Code No.	Shown in Fig.
P1200	terminal strip, 13 pole	805-639	H-12

TRANSISTORS

Designation	Type	Code No.	Shown in Fig.
Q1201	transistor 2N5181	360-092	H-12
Q1202	transistor BFW30	360-093	H-12

RESISTORS

Designation	Type	Value	Code No.	Shown in Fig.
R1201	carbon film	1 kΩ 5% 0.3 W	106-410	H-12
R1202	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-12
R1203	carbon film	1 kΩ 5% 0.3 W	106-410	H-12
R1204	carbon film	150 Ω 5% 0.3 W	106-315	H-12
R1205	carbon film	15 Ω 5% 0.3 W	106-215	H-12
R1206	carbon film	1 kΩ 5% 0.3 W	106-410	H-12
R1207	carbon film	82 Ω 5% 0.3 W	106-282	H-12

SWITCHES

Designation	Type	Code No.	Shown in Fig.
S1201	switch "CHANNEL"	551-011	H-12

TRANSFORMERS

Designation	Type	Code No.	Shown in Fig.
T1201	transformer	5077-A4	H-12

CABLES

Designation	Type	Code No.	Shown in Fig.
W1201	coaxial cable, 110 Ω	600-001	H-12

MISCELLANEOUS

Designation	Type	Code No.	Shown in Fig.
	x socket for crystal	816-201	H-12
	x arrow knob	852-111	H-12

x indicates special parts manufactured by Radiometer.

MODIFICATIONS FOR MODULATION METER, TYPE AFM2S3

The coaxial bushing J1, code 800-108, of the Modulation Meter, type AFM2, is replaced by the coaxial bushing J1, code 800-203, in the Modulation Meter, type AFM2S3.

MODIFICATIONS FOR MODULATION METER, TYPE AFM2S5

The following components are removed from the regular Modulation Meter, type AFM2, and replaced as follows in the Modulation Meter, type AFM2S5.

(AFM2)

Designation	Type	Value	Code No.	Shown in Fig.
C908	polystyrene	700 pF	243-033	H-9
R912	carbon film	330 Ω 5% 0.3 W	106-133	H-9
R917	carbon film	1 kΩ 5% 0.3 W	106-410	H-9
R919	metal film	36.1 kΩ 1% 1/4 W	140-404	H-9
R920	metal film	850 Ω 1% 1/4 W	140-399	H-9
R921	metal film	2.04 kΩ 1% 1/4 W	140-400	H-9
R922	carbon potm.	10 kΩ, lin.	182-033	H-9
R923	carbon potm.	10 kΩ, lin.	182-033	H-9
R924	metal film	50 kΩ 1% 1/4 W	140-405	H-9

(AFM2S5)

Designation	Type	Value	Code No.	Shown in Fig.
C908	polystyrene	150 pF 5% 125 V	243-030	H-9
C918	ceramic	0.5 pF 5%	210-050	H-9
R912	carbon film	1.2 kΩ 5% 0.3 W	106-412	H-9
R917	carbon film	680 Ω 0.5 W 5%	106-368	H-9
R919	metal film	75 kΩ 1% 0.2 W	140-554	H-9
R920	metal film	600 Ω 1% 0.2 W	140-378	H-9
R923	carbon potm.	25 kΩ lin.	182-034	H-9
R924	metal film	100 kΩ 1%	140-555	H-9
R939	carbon film	330 kΩ 5% 0.2 W	106-633	H-9

MODIFICATIONS FOR MODULATION METER, TYPE AFM2S6

The following components are removed from the regular Modulation Meter, type AFM2, and replaced as follows in the Modulation Meter, type AFM2S6.

(AFM2)

Designation	Type	Value	Code No.	Shown in Fig.
C317	ceramic	10 pF 5%	210-210	H-3
R320	carbon film	150 Ω 5% 0.3 W	106-315	H-3

(AFM2S6)

Designation	Type	Value	Code No.	Shown in Fig.
C317	ceramic	22 pF 5%	211-222	H-3
R320	carbon film	56 Ω 5% 0.2 W	106-256	H-3

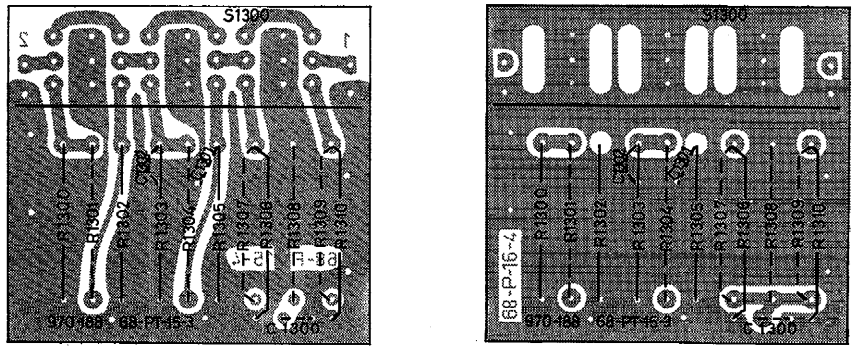

Fig. H1.

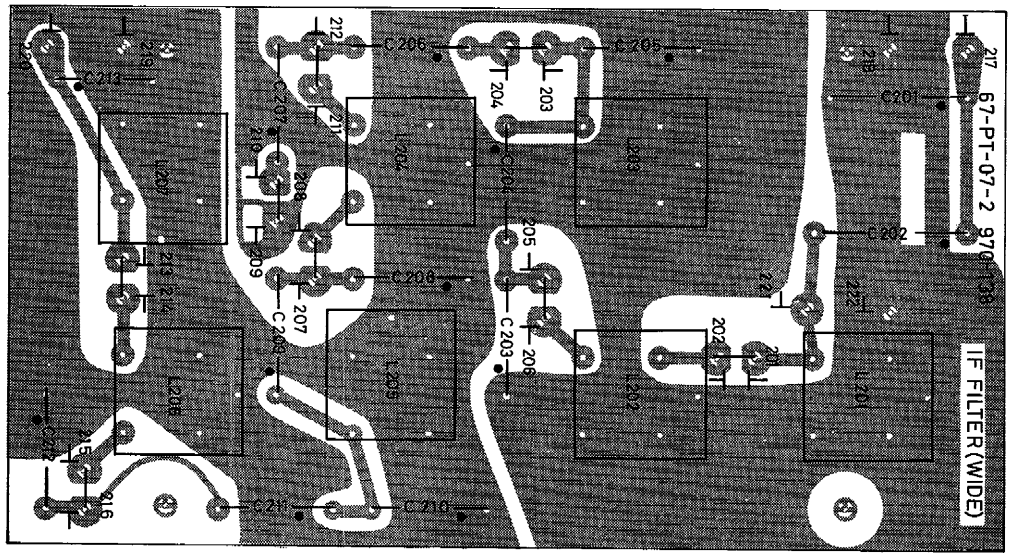

Fig. H2.

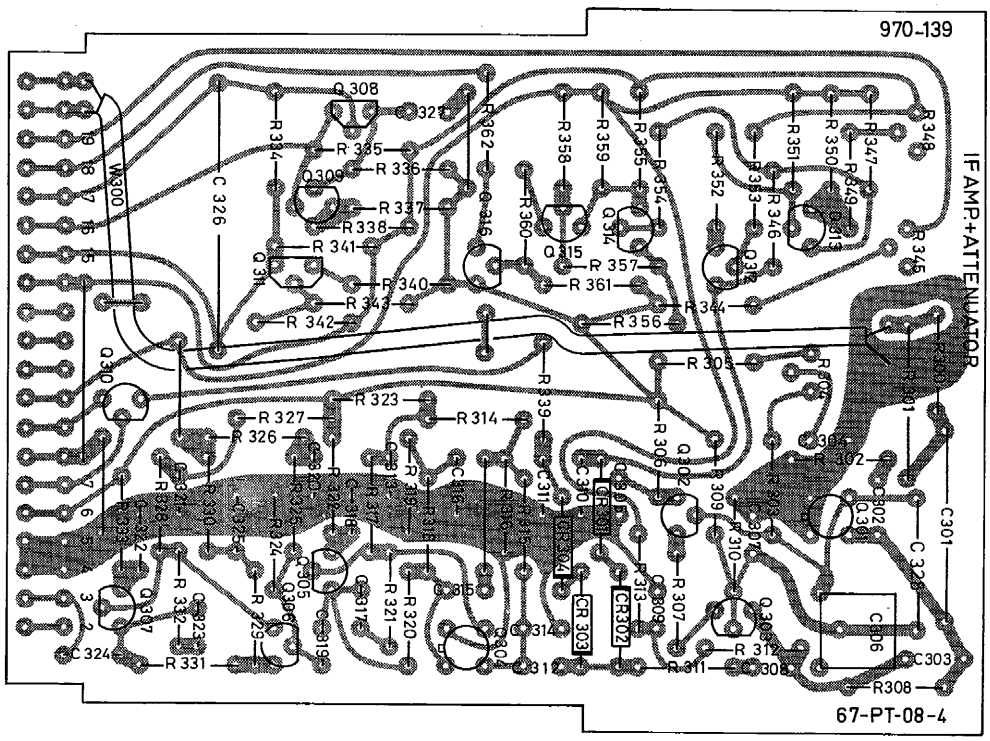

Fig. H3.

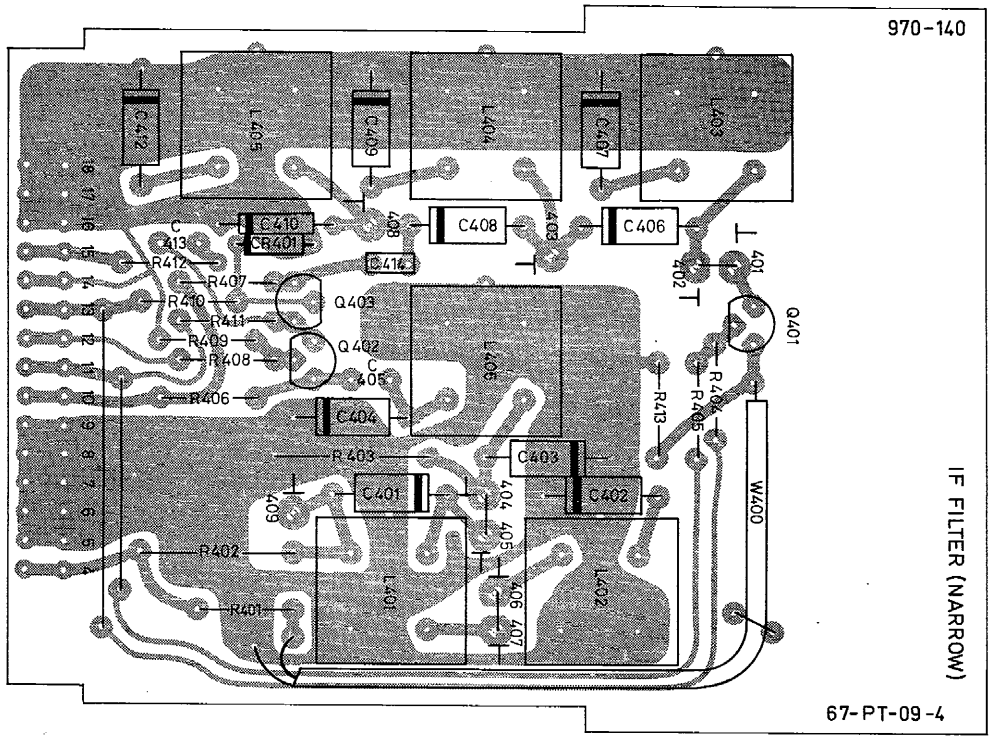
970-140
IF FILTER (NARROW)
67-PT-09-4

Fig. H4.

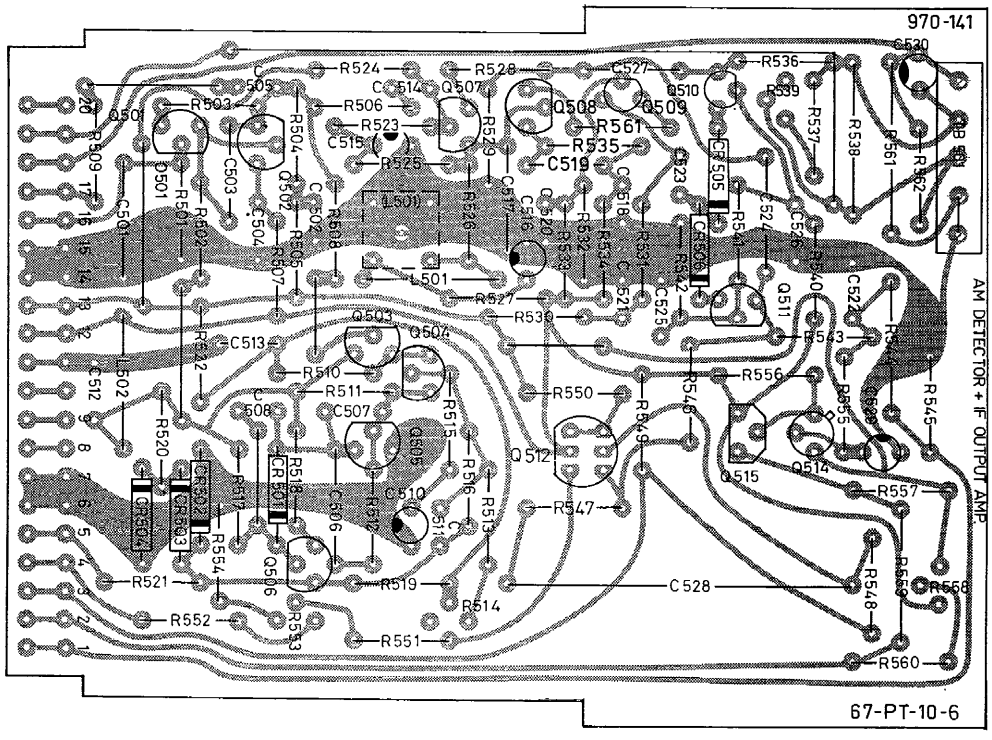
970-141
AM DETECTOR + IF OUTPUT AMP
67-PT-10-6

Fig. H5.

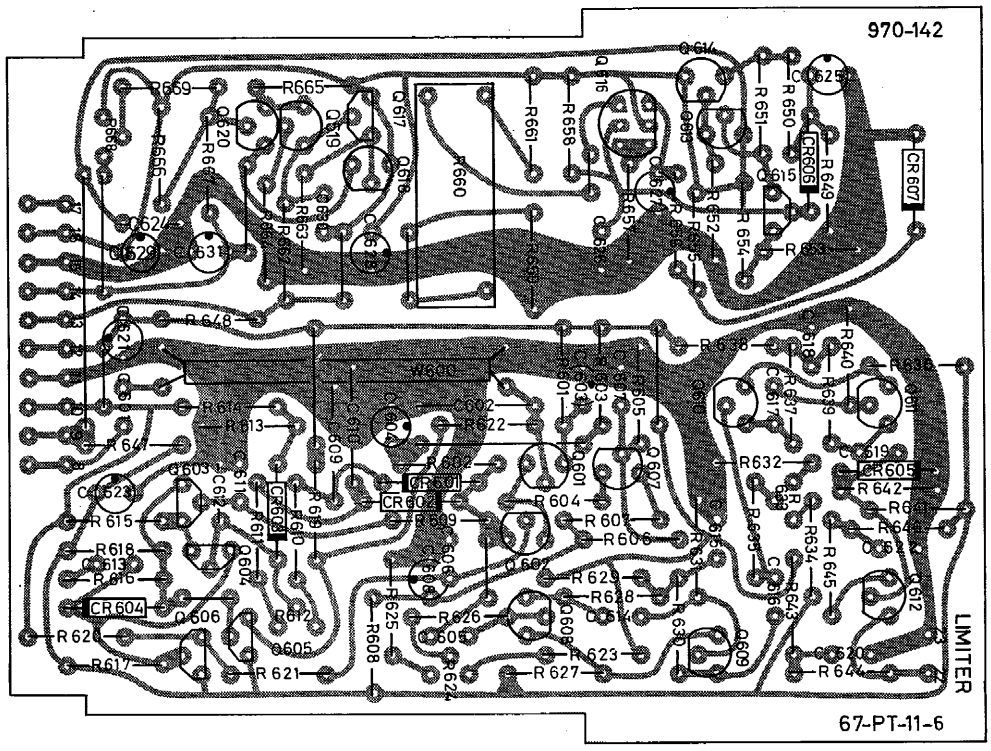

Fig. H6.

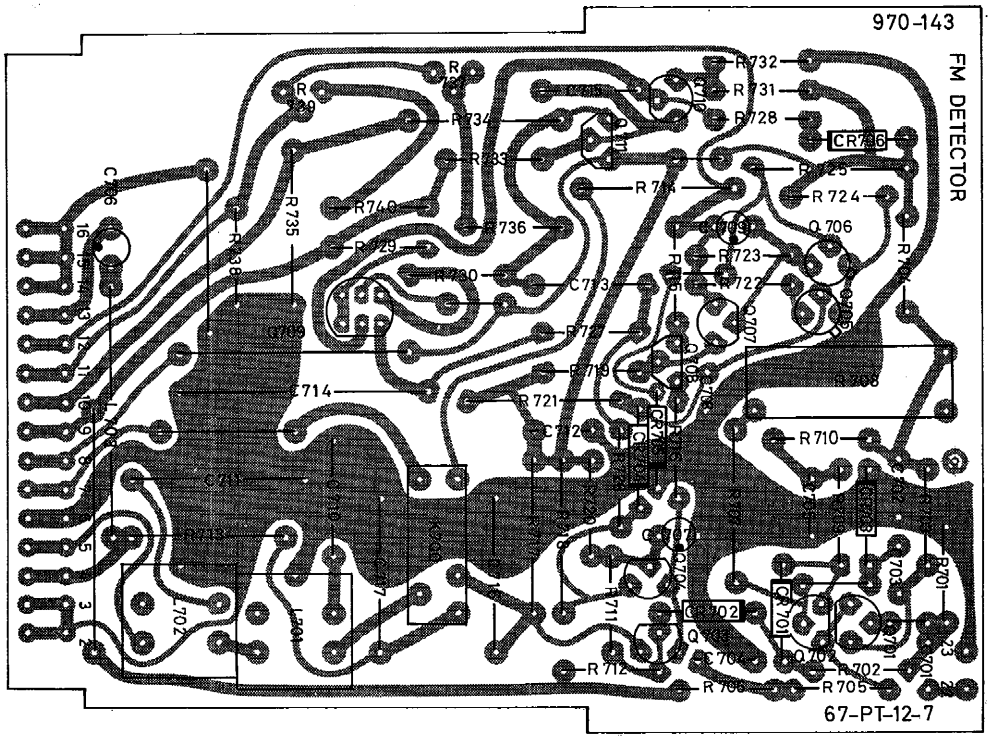

Fig. H7.

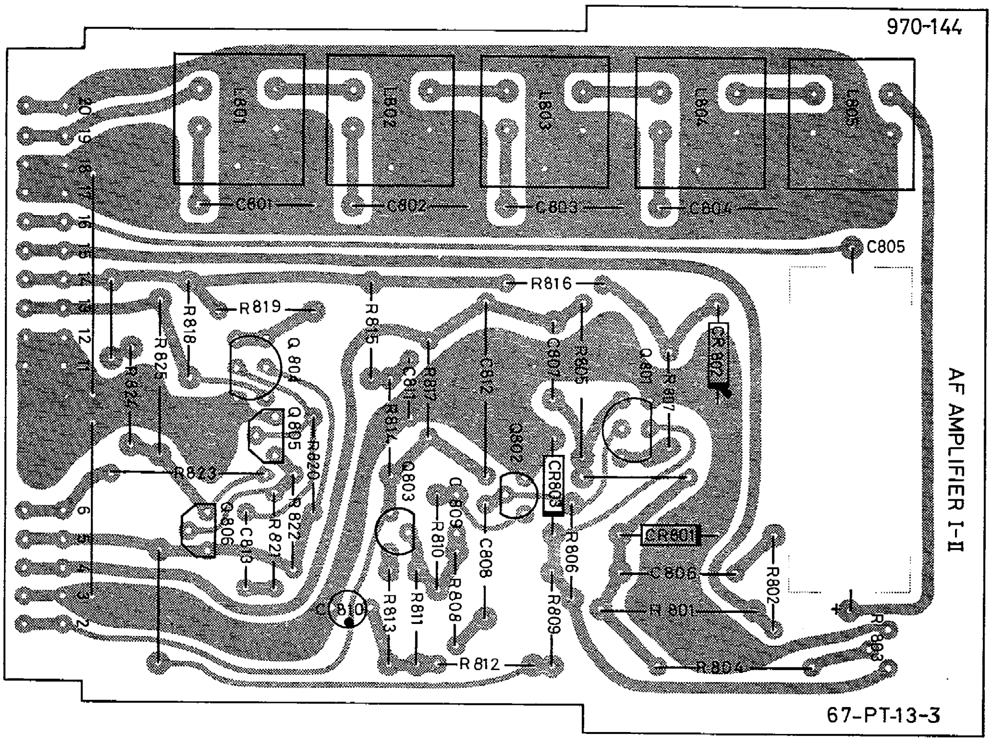
970-144
AF AMPLIFIER I-II
67-PT-13-3

Fig. H8.

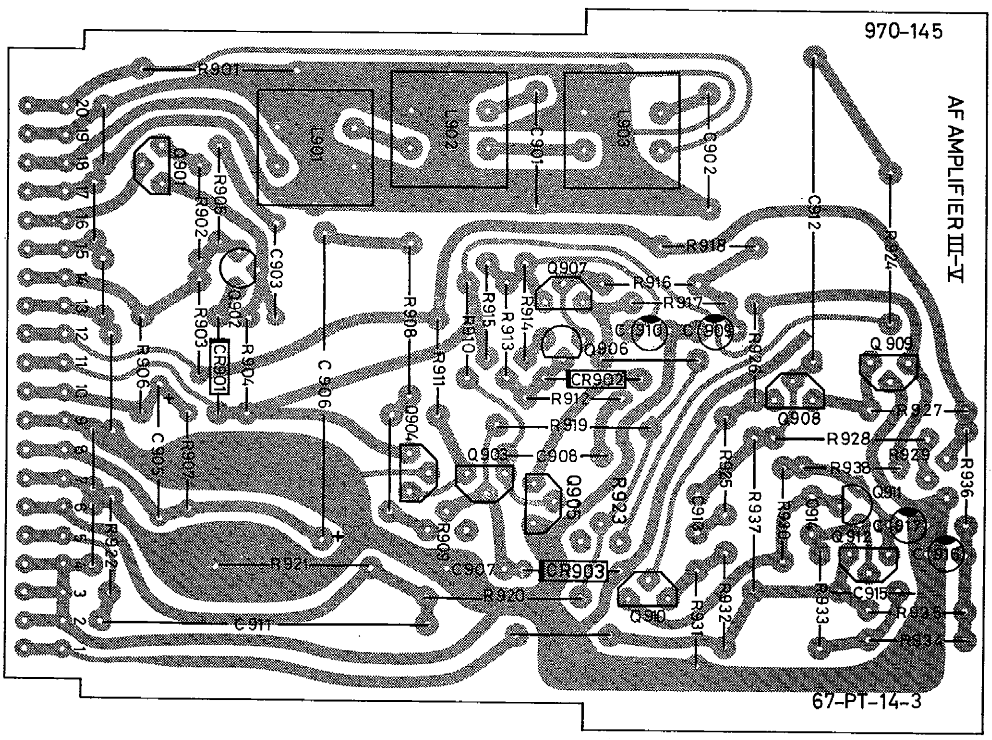
970-145
AF AMPLIFIER III-V
67-PT-14-3

Fig. H9.

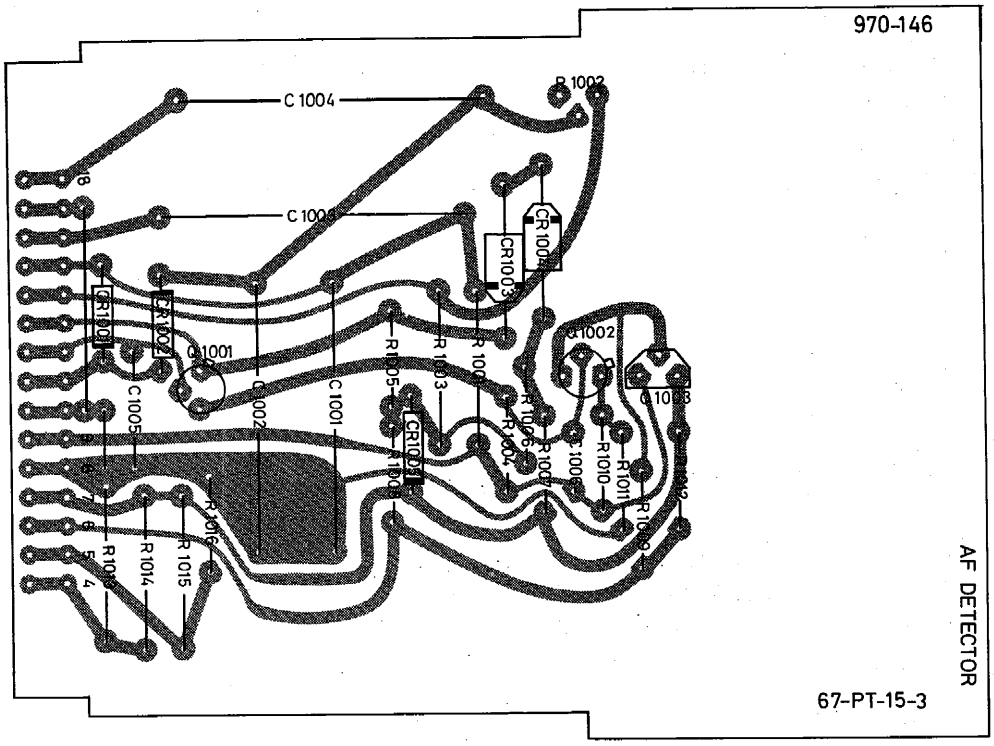

Fig. H10.

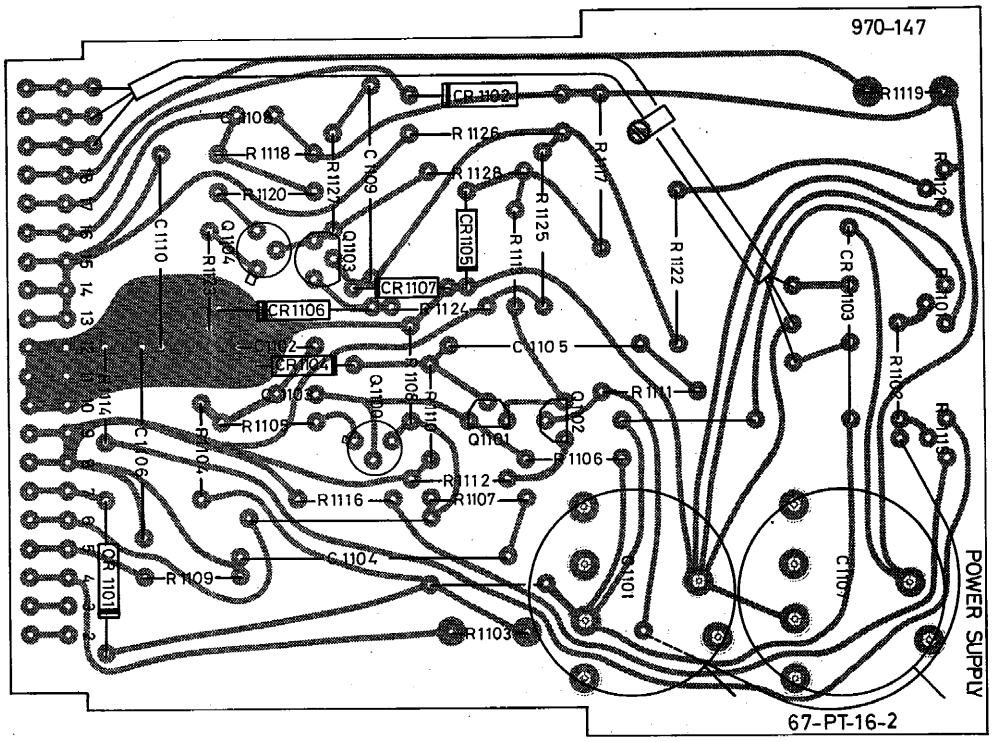

Fig. H11.