

FIELD AND DEPOT MAINTENANCE MANUAL

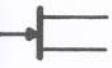
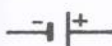
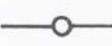
RT-3600

RECEIVER-TRANSMITTER, RADIO



PART I

TECHNICAL MANUAL
DRAWINGS

	RESISTOR		PNP TRANSISTOR		MECHANICAL COUPLING		LOW-PASS FILTER
	RESISTOR VARIABLE		NPN TRANSISTOR		STRUCTURAL EARTH		HIGH-PASS FILTER
	RESISTOR VARIABLE (PRESET)		FIELD EFFECT TRANSISTOR		REAL EARTH		BANDPASS FILTER
	NTC RESISTOR		BATTERY		PERMANENTLY CONDUCTIVE PATH		PULSE GENERATOR
	CAPACITOR		QUARTZ CRYSTAL		NON-PERMANENTLY CONDUCTIVE PATH		ON
	ELECTROLYTIC CAP.		SIGNAL LAMP		OFF		AMPLIFIER
	LEAD-THROUGH CAP.		SOCKET CONNECTOR		INPUT		101 ENGRAVED LEGEND
	COIL, WINDING		PIN CONNECTOR		OUTPUT		ALTERNATING CURRENT
	TRANSFORMER		COAX. SOCKET CONNECTOR		DIRECT CURRENT		RF OSCILLATOR
	FERRITE BEAD		COAX. PIN CONNECTOR		THERMAL SWITCH		AF OSCILLATOR
	CONDUCTIVE FERROMAGNETIC CORE		TEST POINT		CIRCUIT BREAKER		CRYSTAL OSCILLATOR
	NON-CONDUCTIVE FERROMAGNETIC CORE		MOTOR		PHASE DISCRIMINATOR		
	OPERATIONALLY VARIABLE		TELEPHONE				
	PRESET VARIABLE		MICROPHONE				
	SEMICONDUCTOR DIODE		LOUDSPEAKER				
	ZENER DIODE		MICROTELEPHONE				
	VARICAP		SCREENED LEAD				
	SWITCH		COAXIAL LEAD				
	2 POSITION SWITCH		AERIAL				
	4 POSITION SWITCH		MANUAL CONTROL				
	PUSHBUTTON SWITCH		MECHANICAL LINK				
	RELAY						

SYMBOLS
FIGURE 1

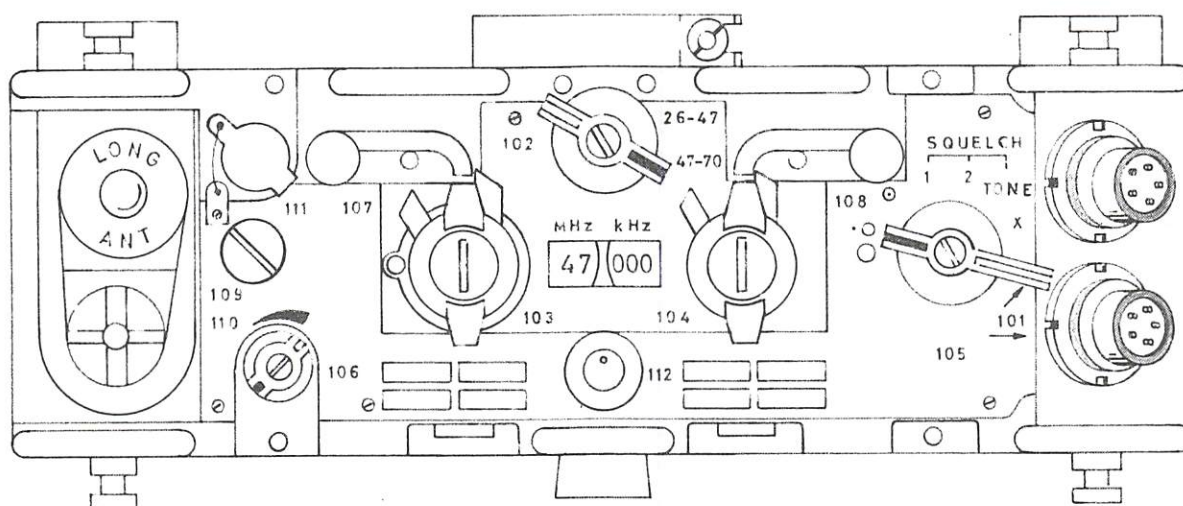
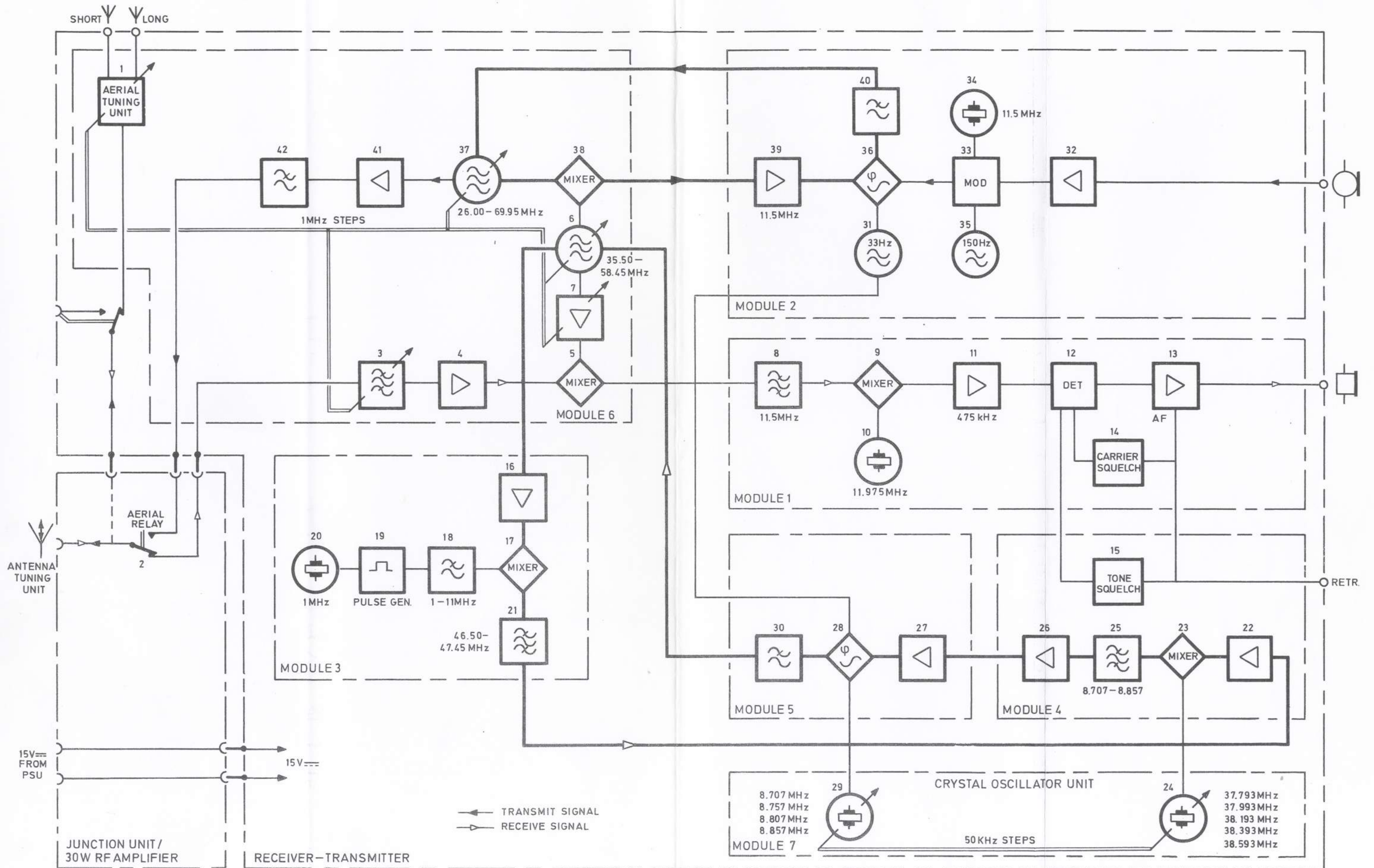
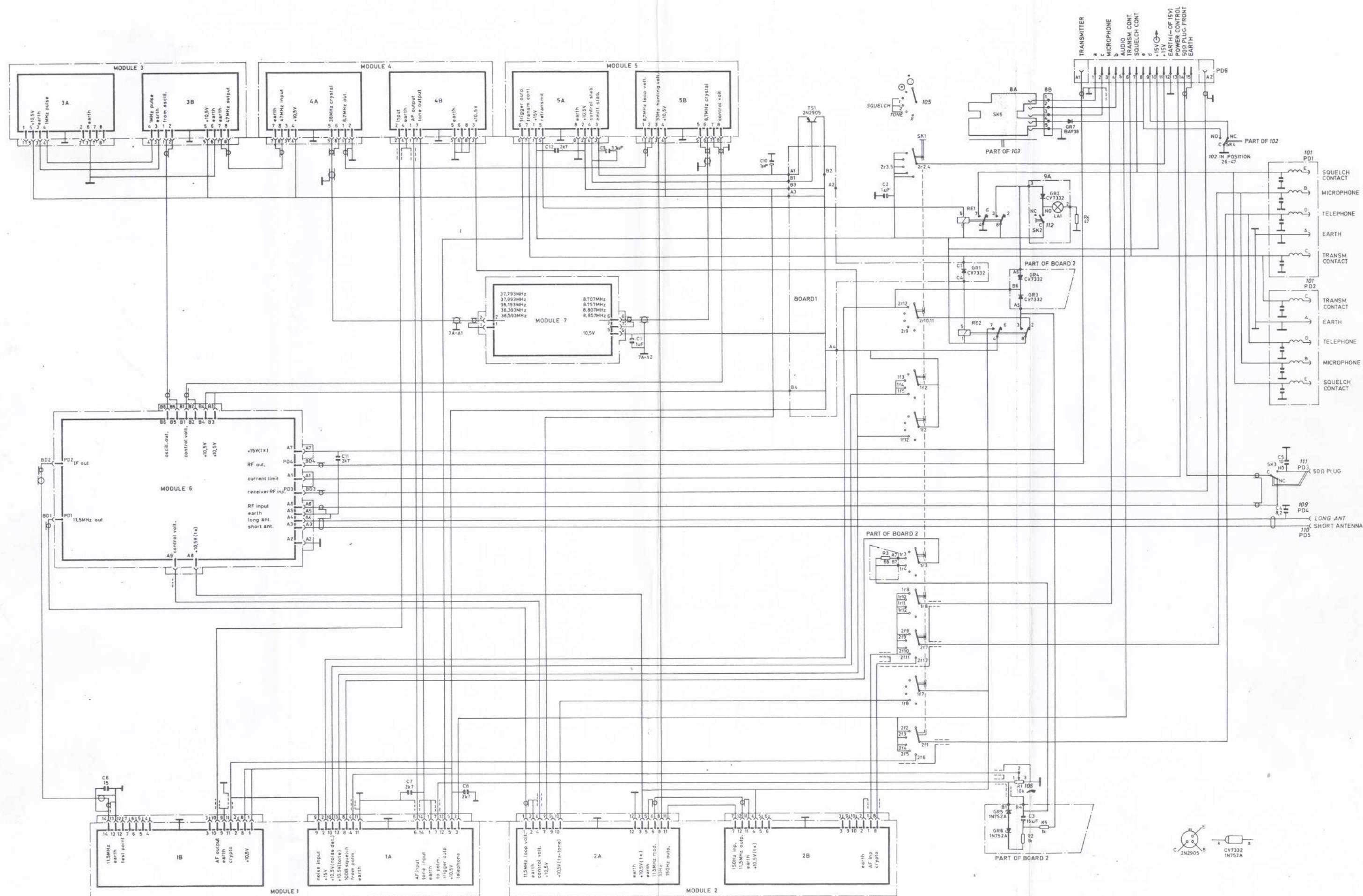


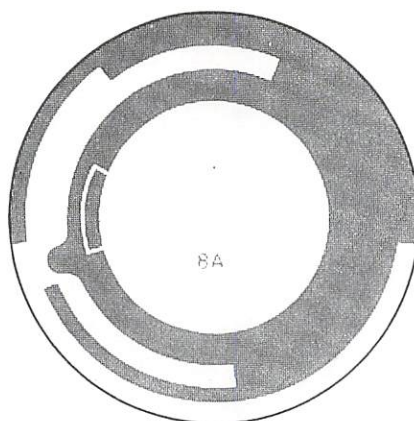
FIGURE 10 — FRONT VIEW, RECEIVER TRANSMITTER, RADIO RT-3600



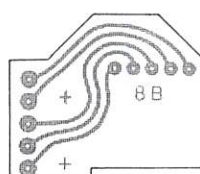
BLOCK DIAGRAM RECEIVER-TRANSMITTER, RADIO RT-3600
FIGURE 3



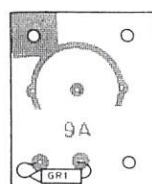
CIRCUIT DIAGRAM FRAME ASSEMBLY
FIGURE 4



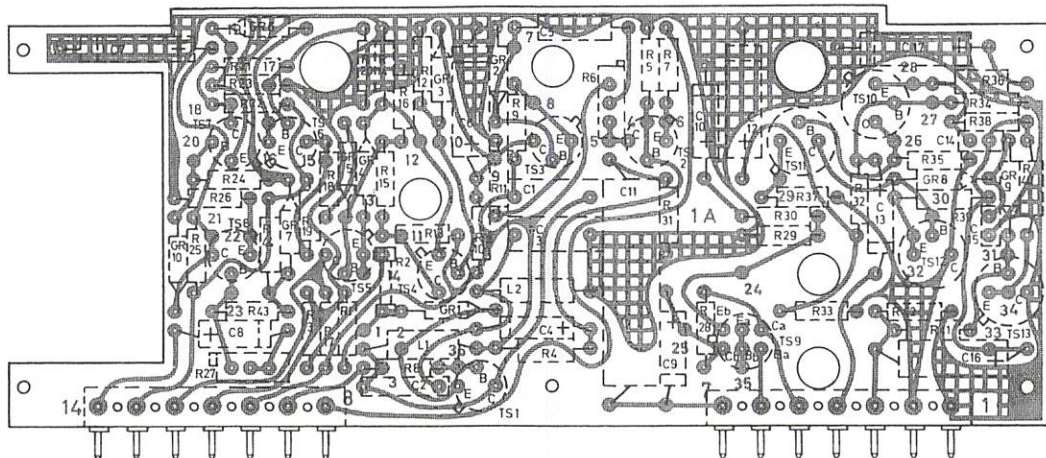
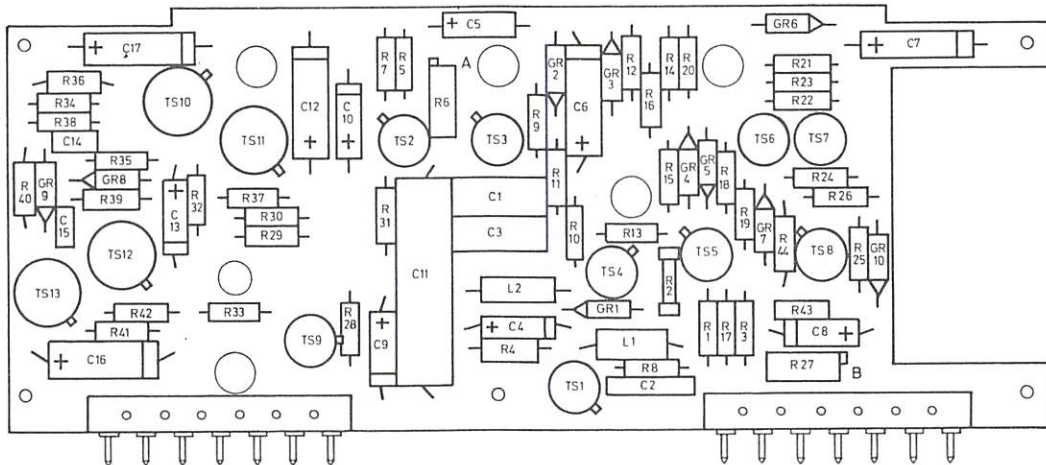
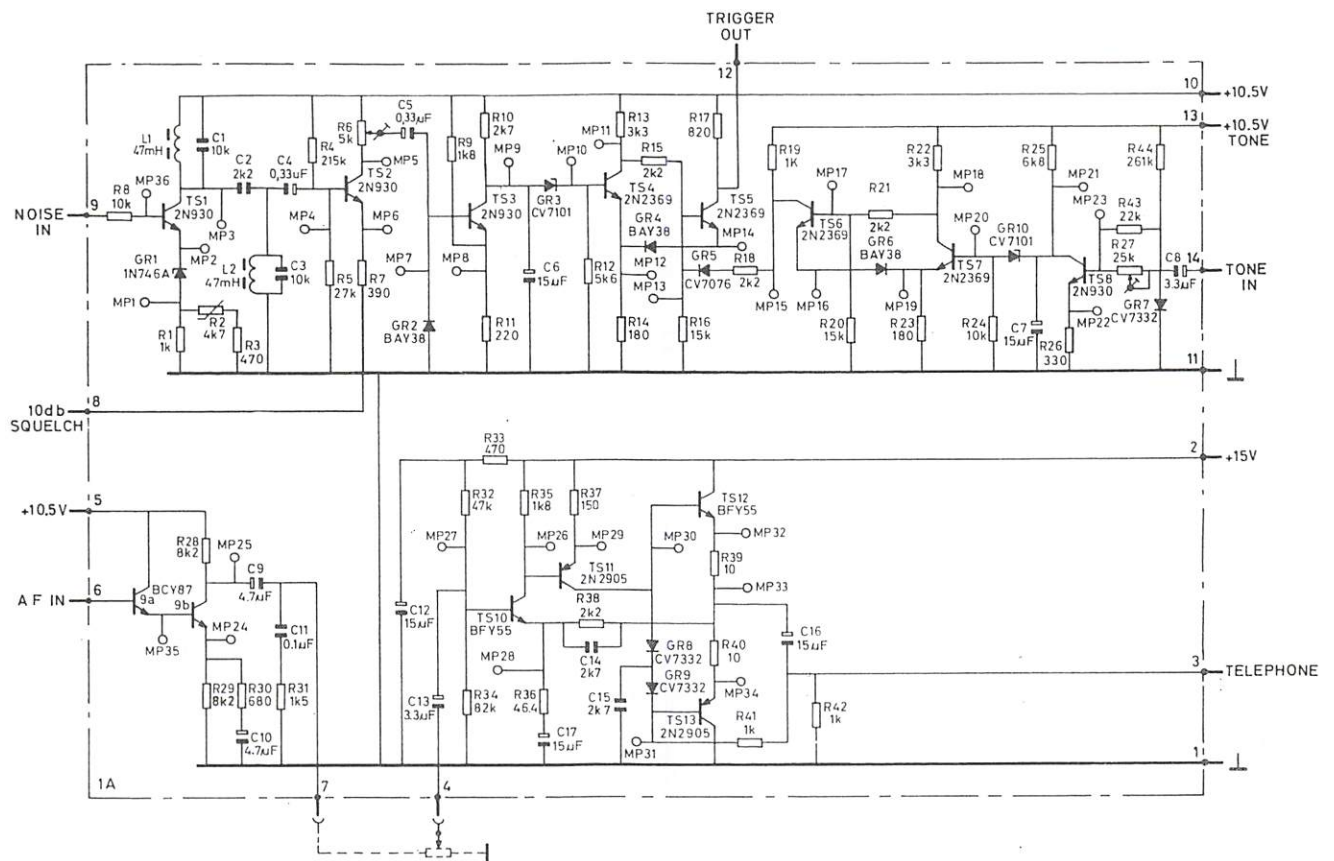
8A



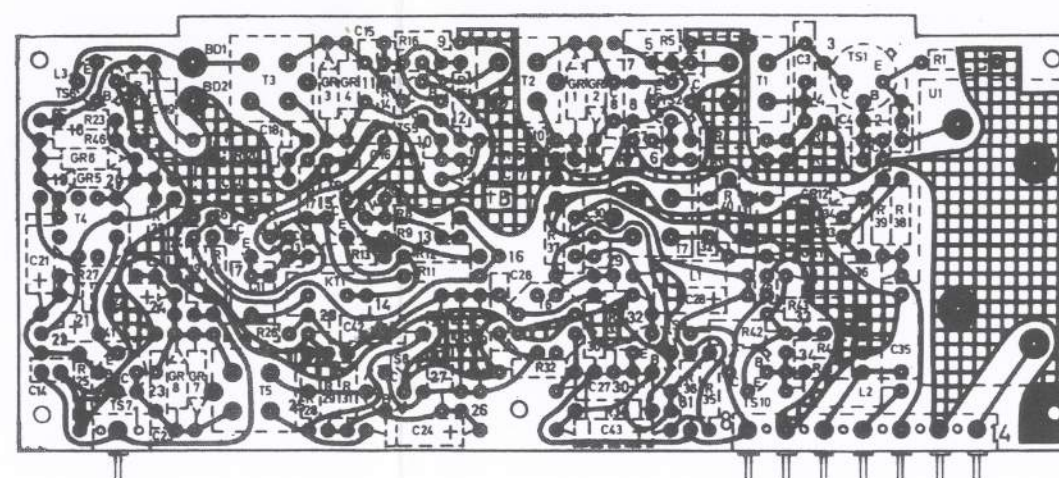
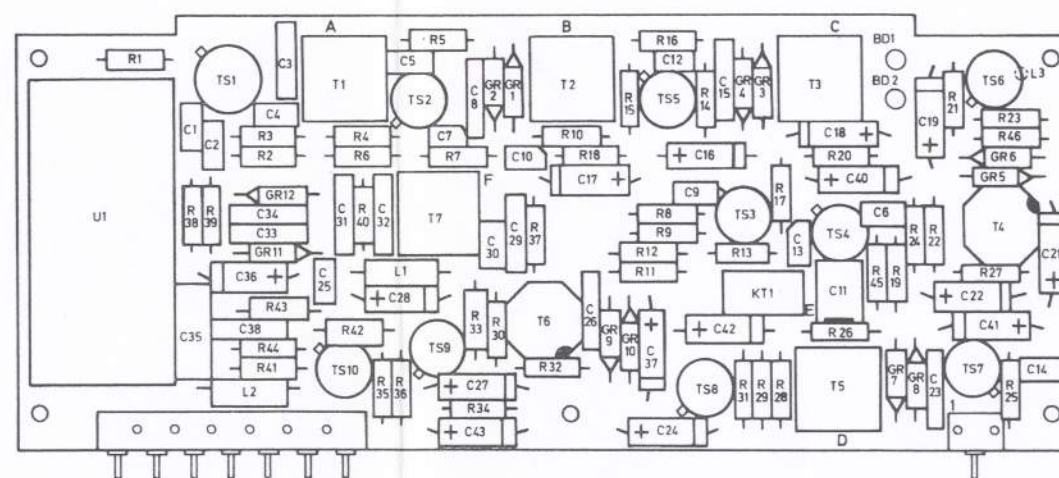
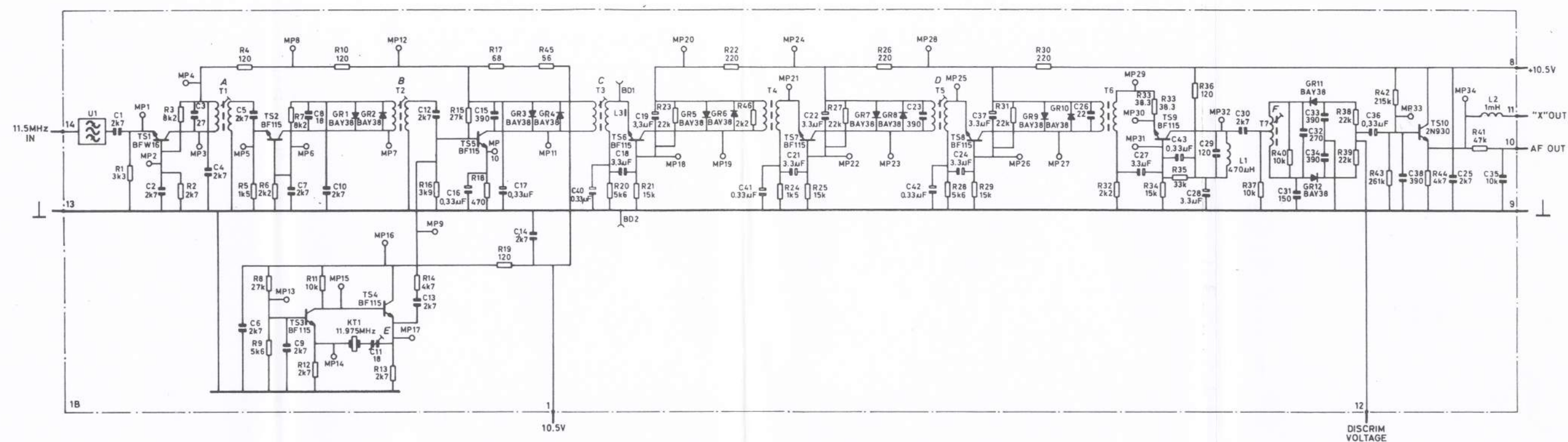
8B



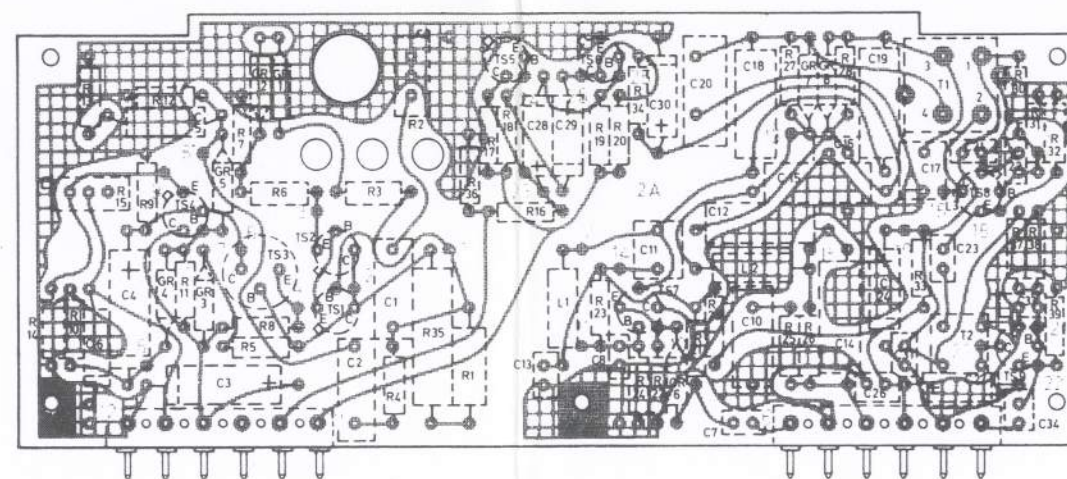
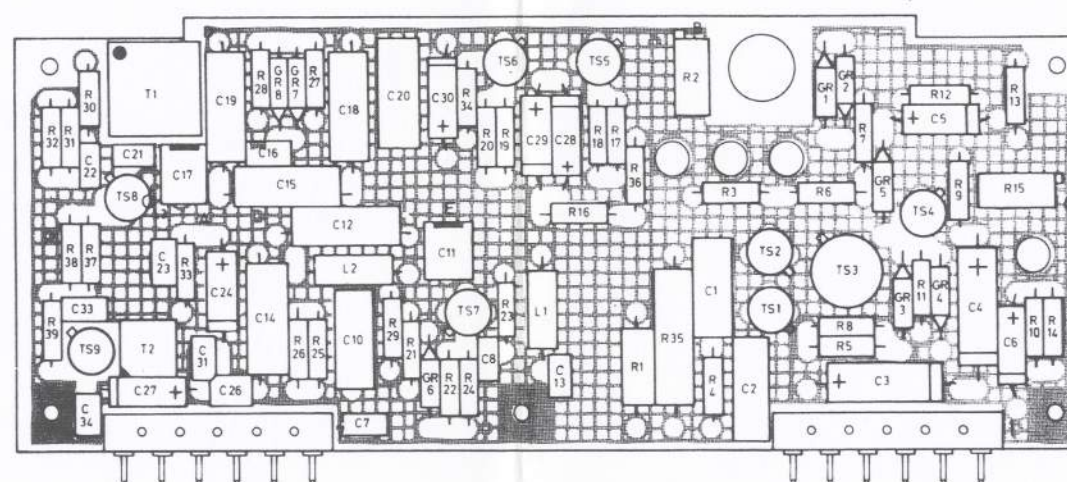
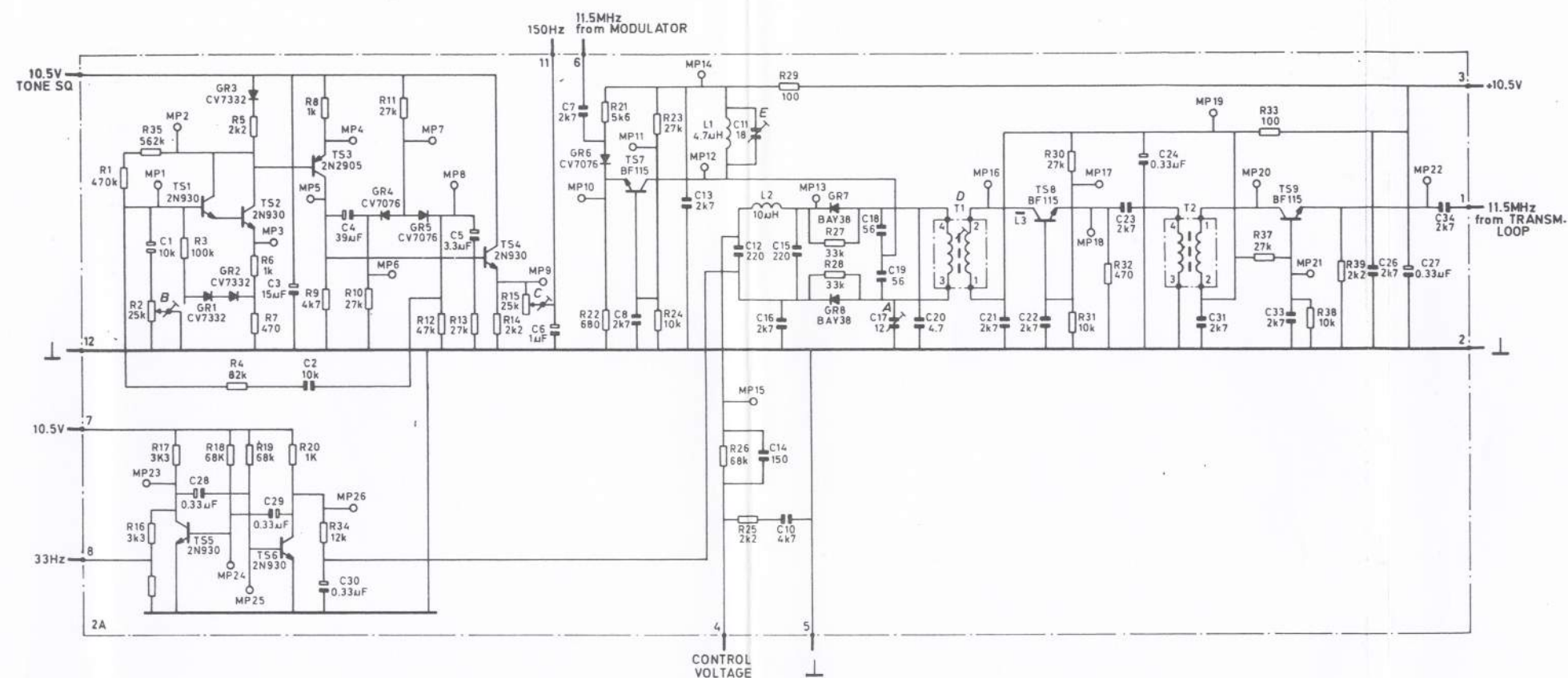
9A



PRINTED CIRCUIT 1A
FIGURE 6

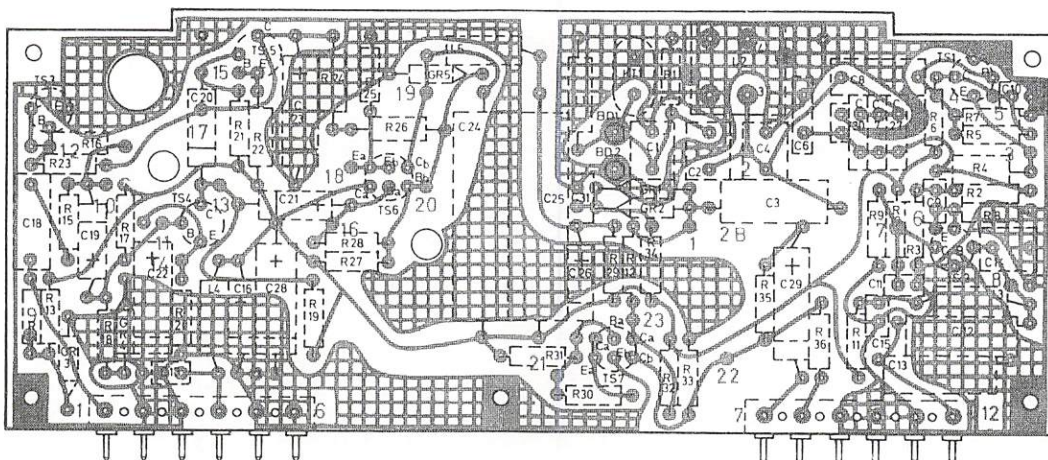
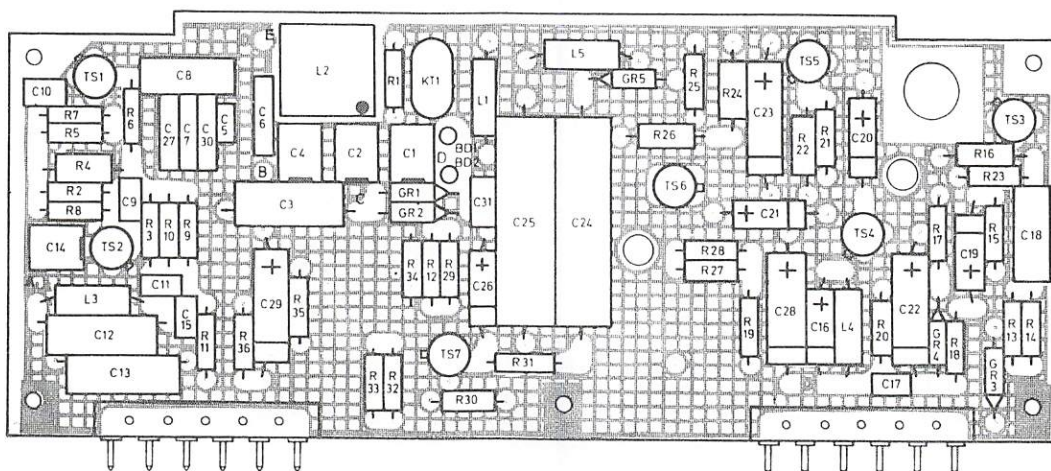
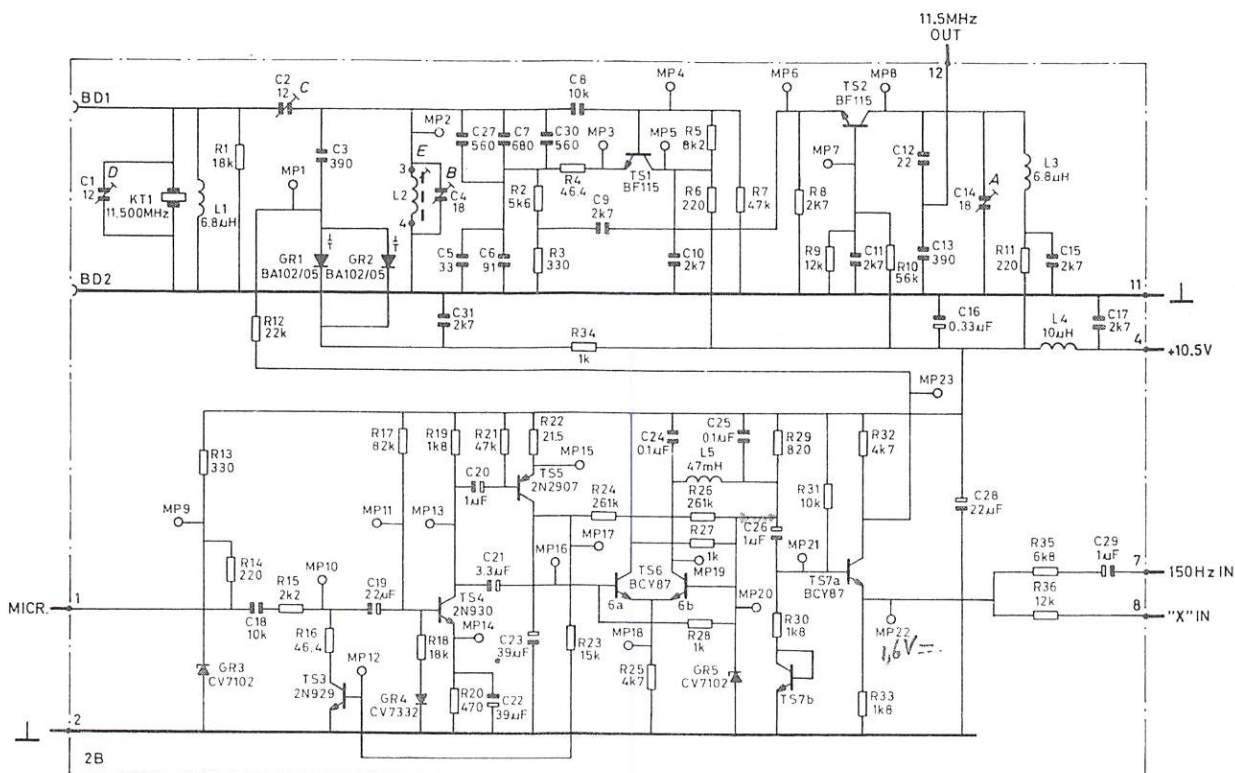


PRINTED CIRCUIT 1B
FIGURE 7

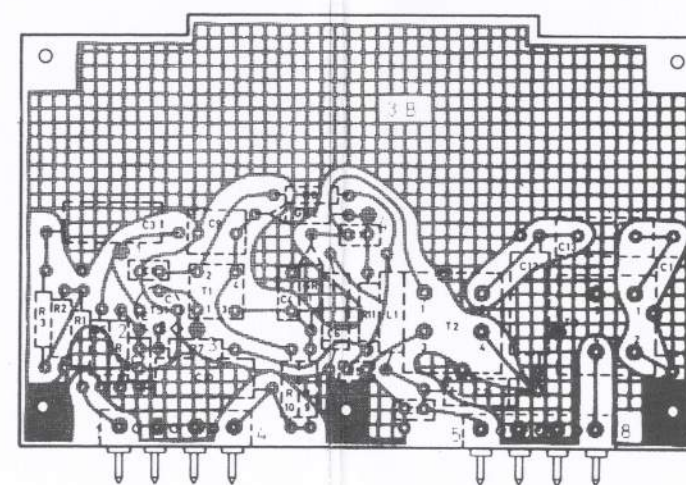
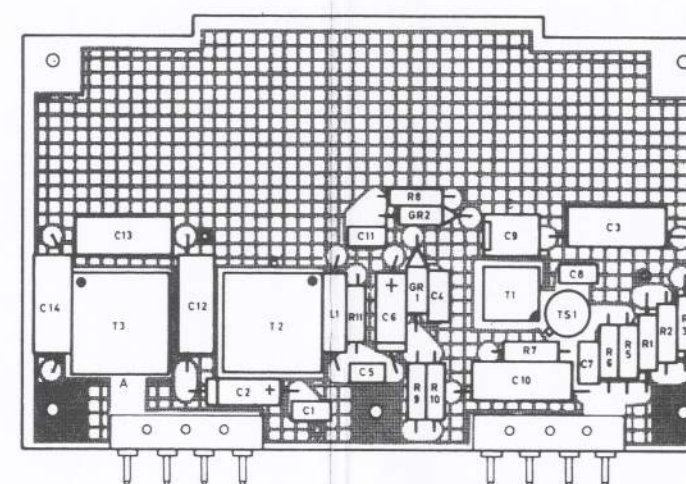
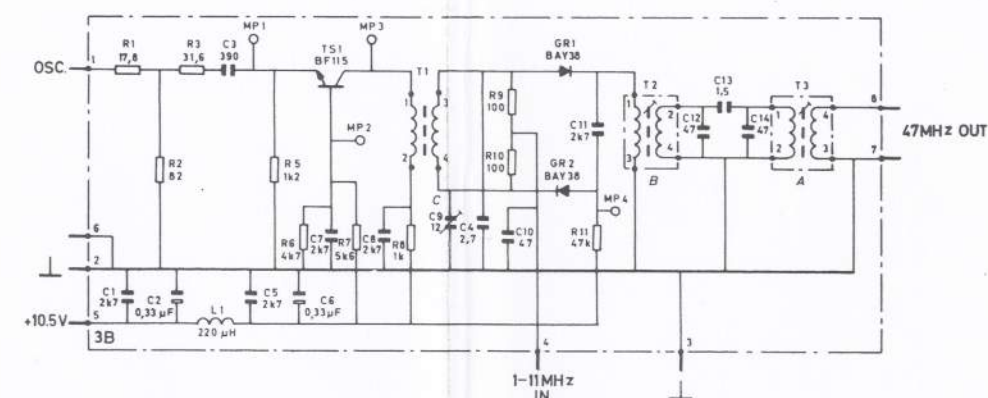
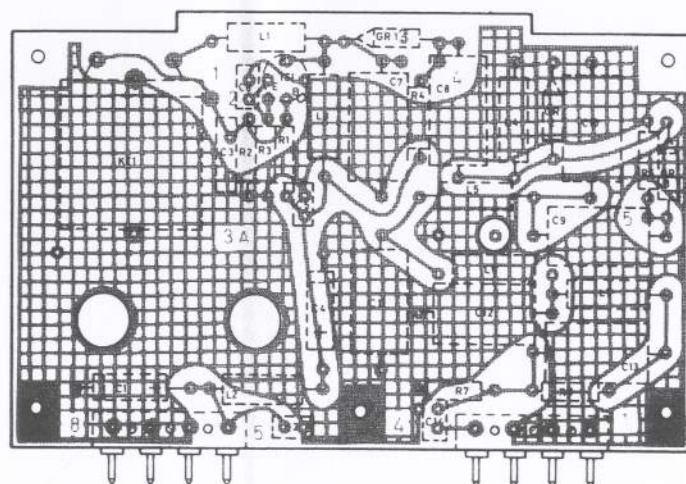
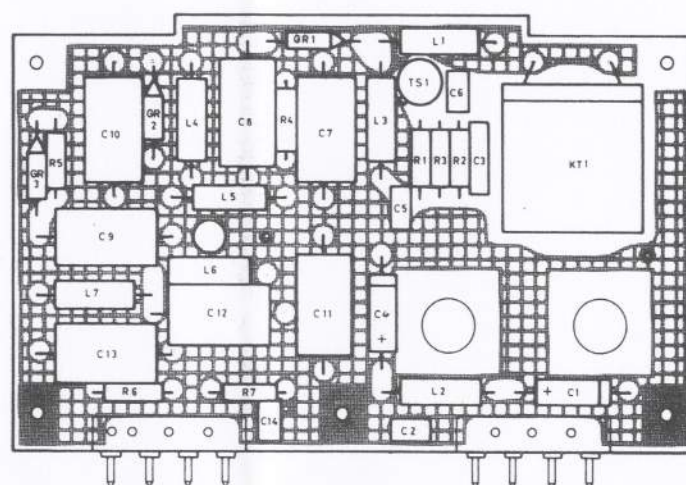
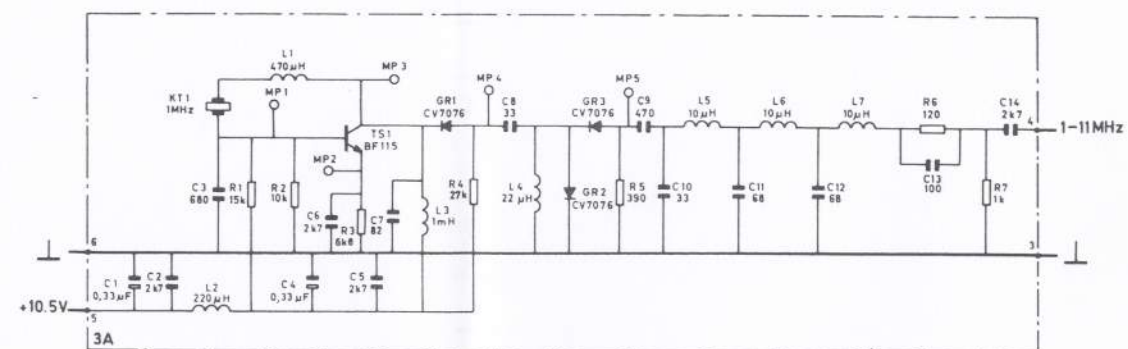


PRINTED CIRCUIT 2A
FIGURE 8

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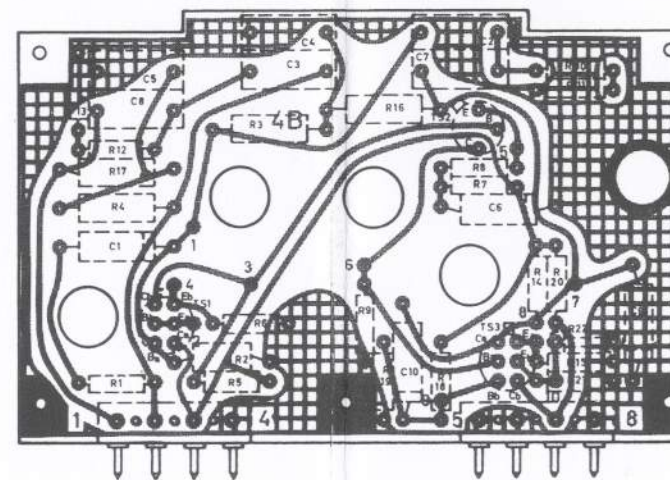
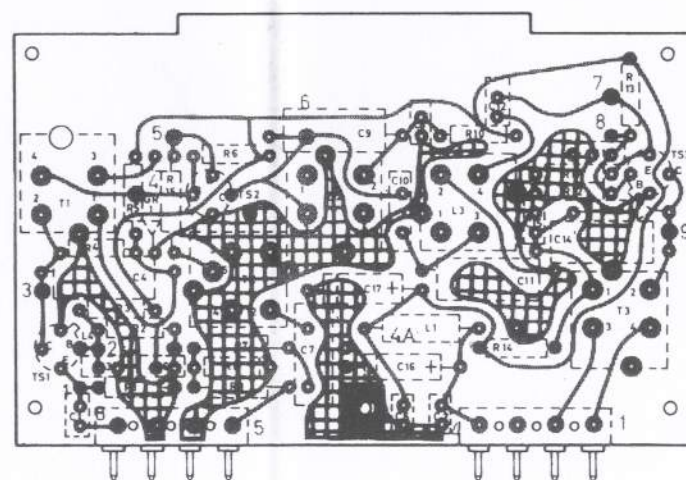
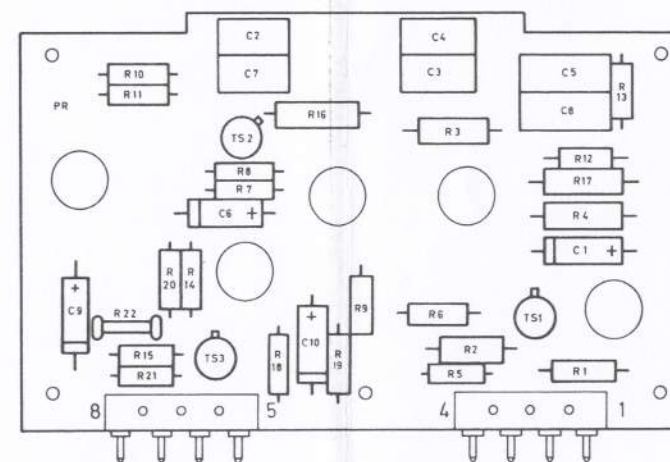
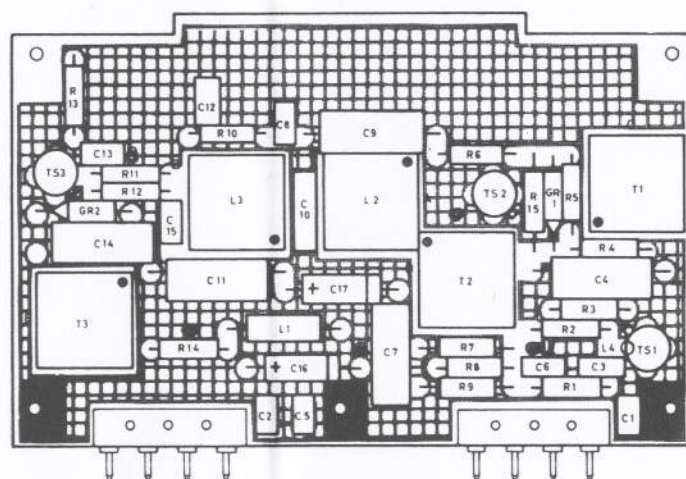
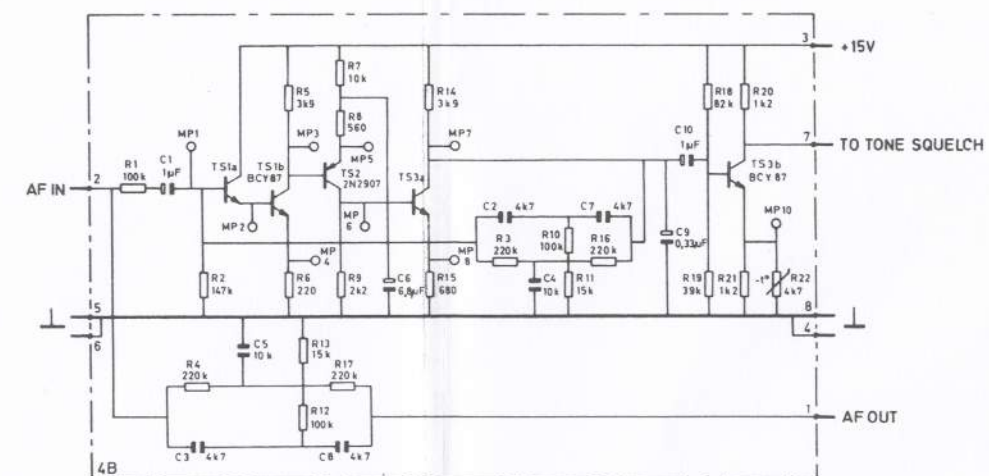
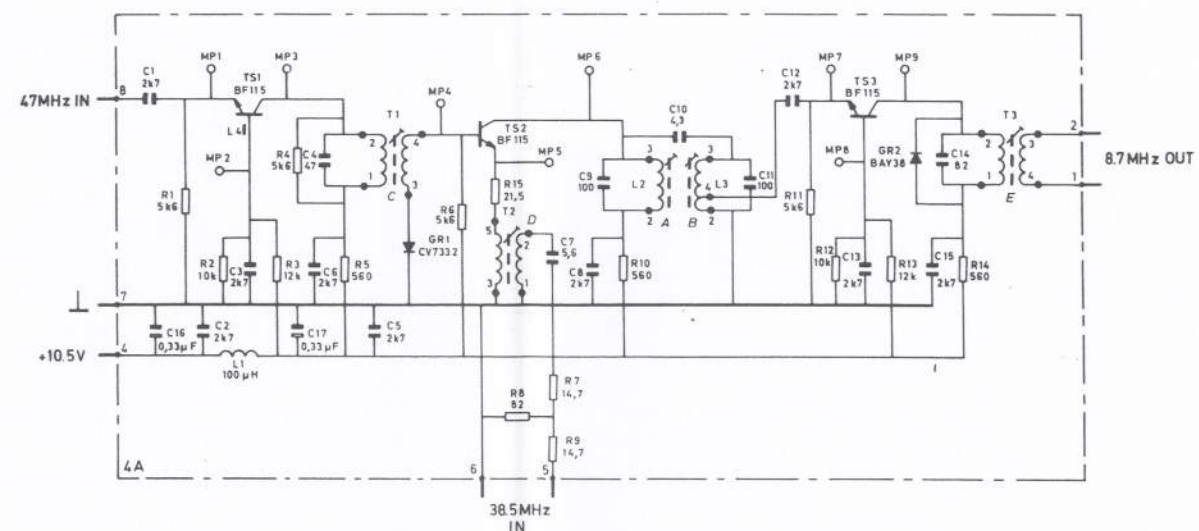


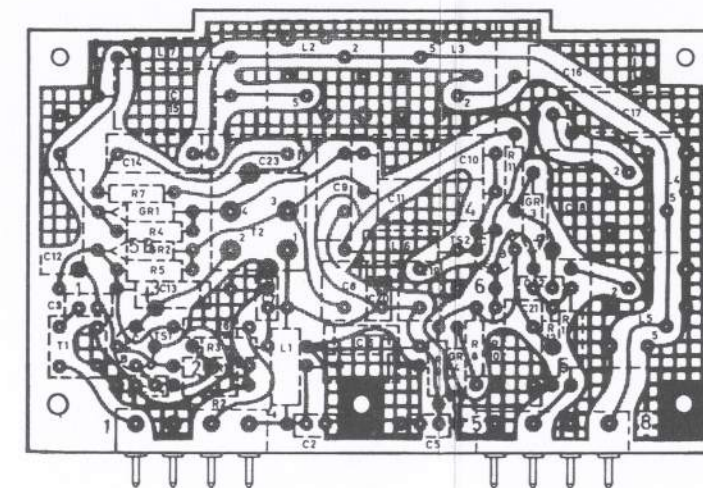
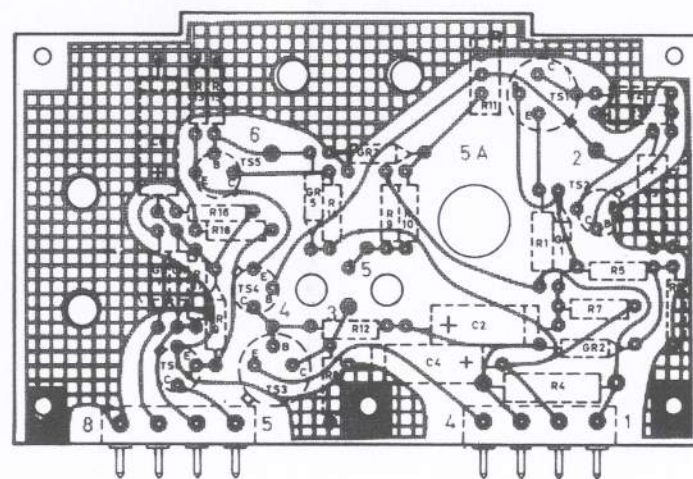
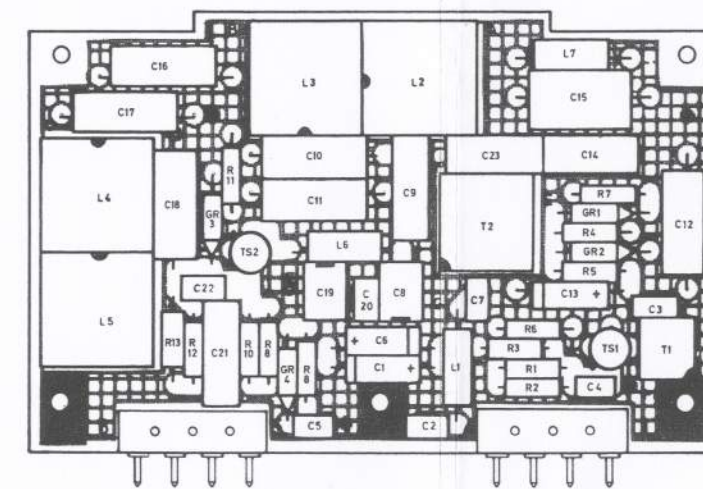
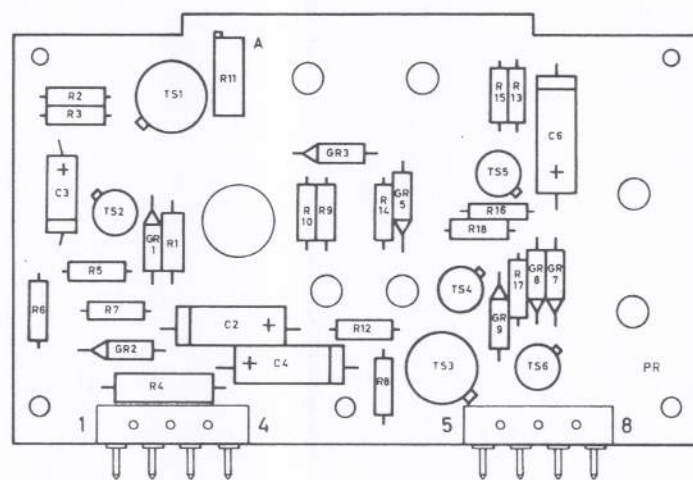
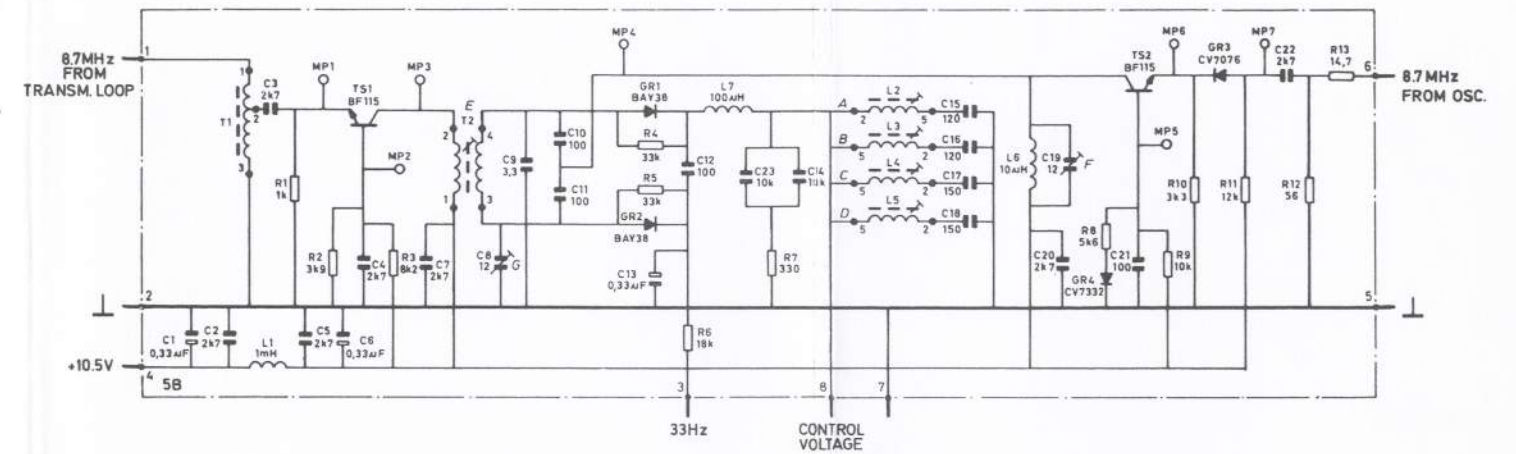
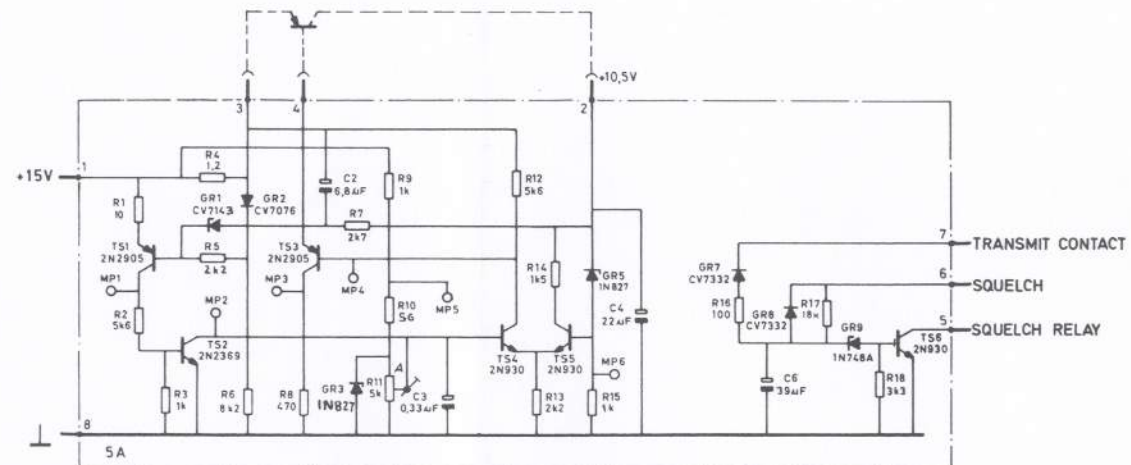
PRINTED CIRCUIT 2B
FIGURE 9

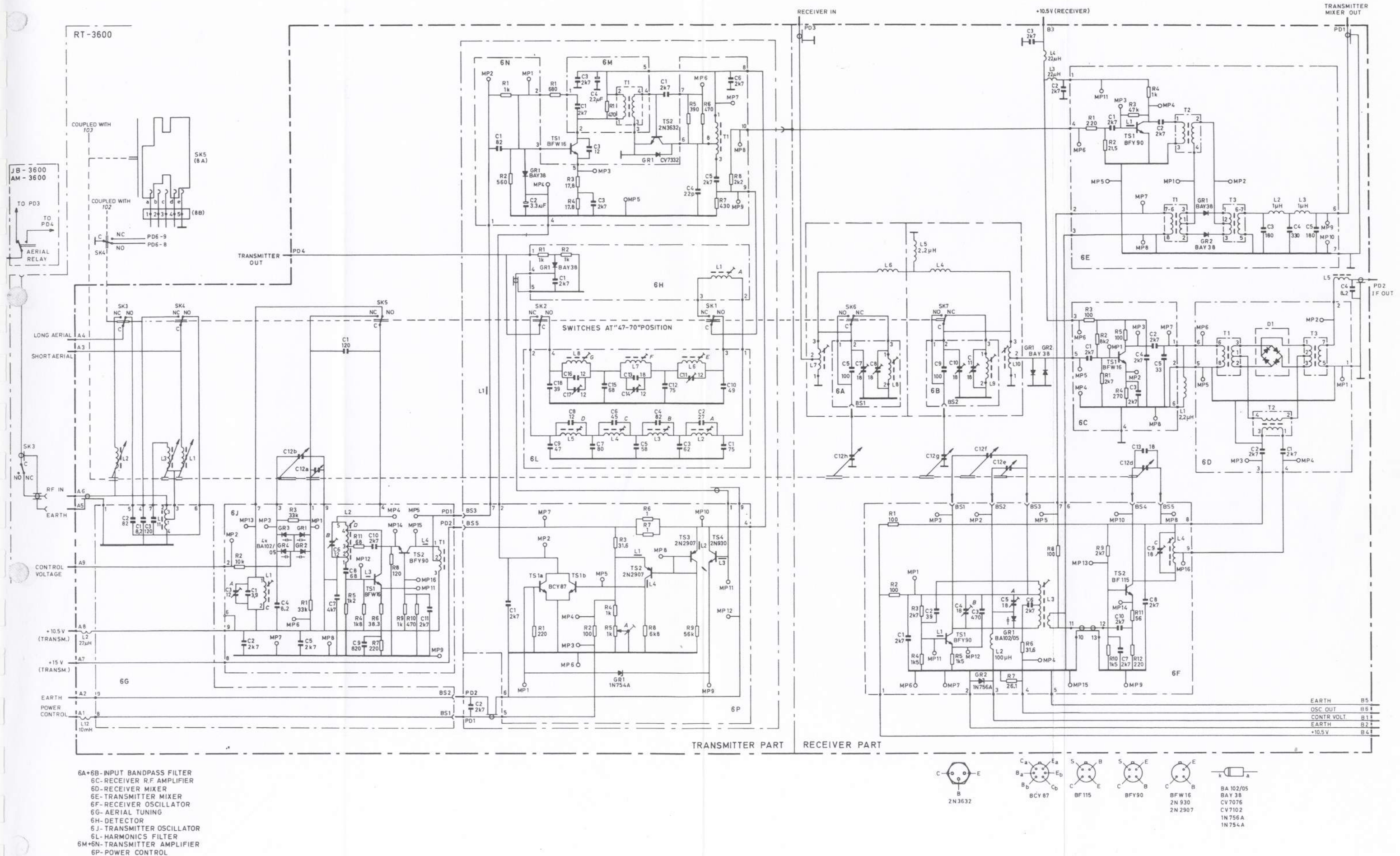


MODULE 3
FIGURE 10

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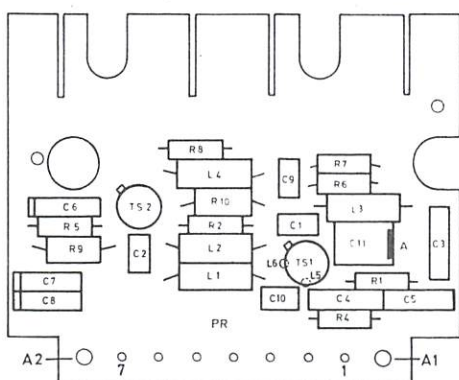
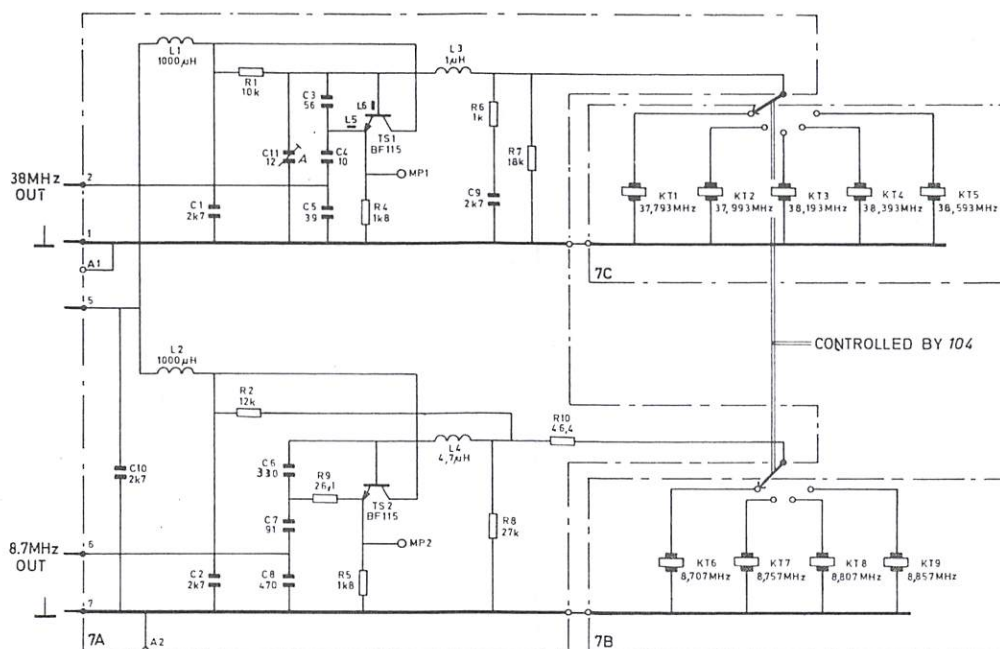




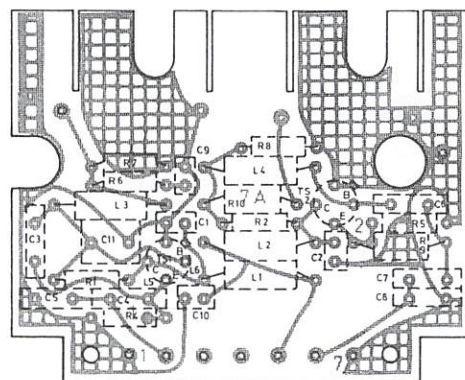


CIRCUIT DIAGRAM MODULE 6
FIGURE 13

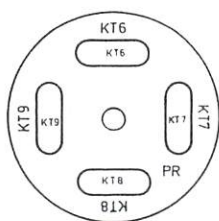
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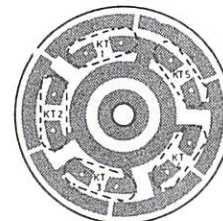
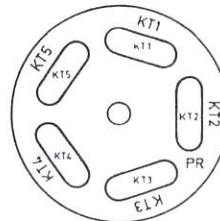
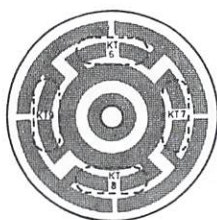
7A



7C



7B



*FIGURES 17,18,19 AND 20.
TO BE ISSUED LATER*

17

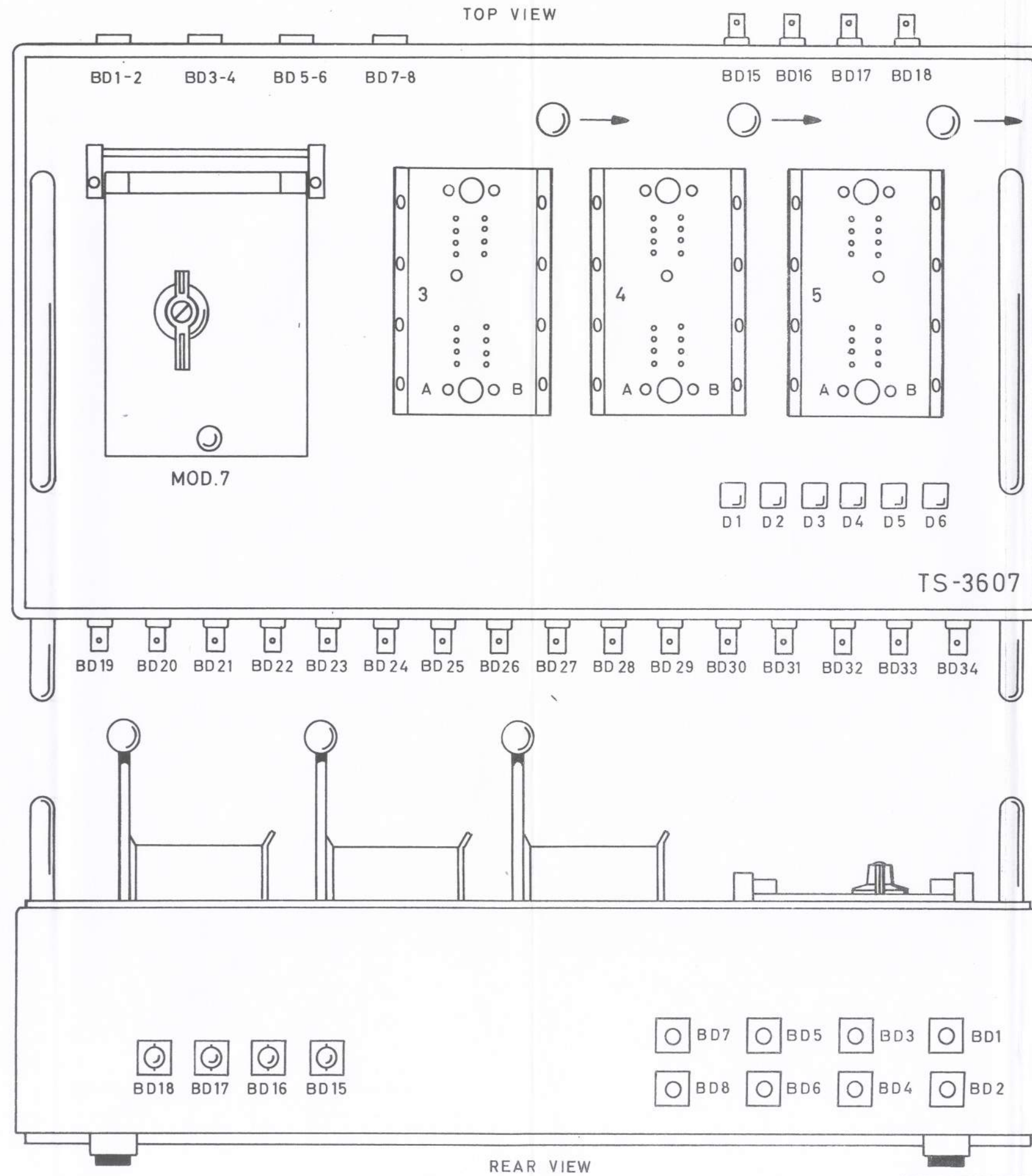
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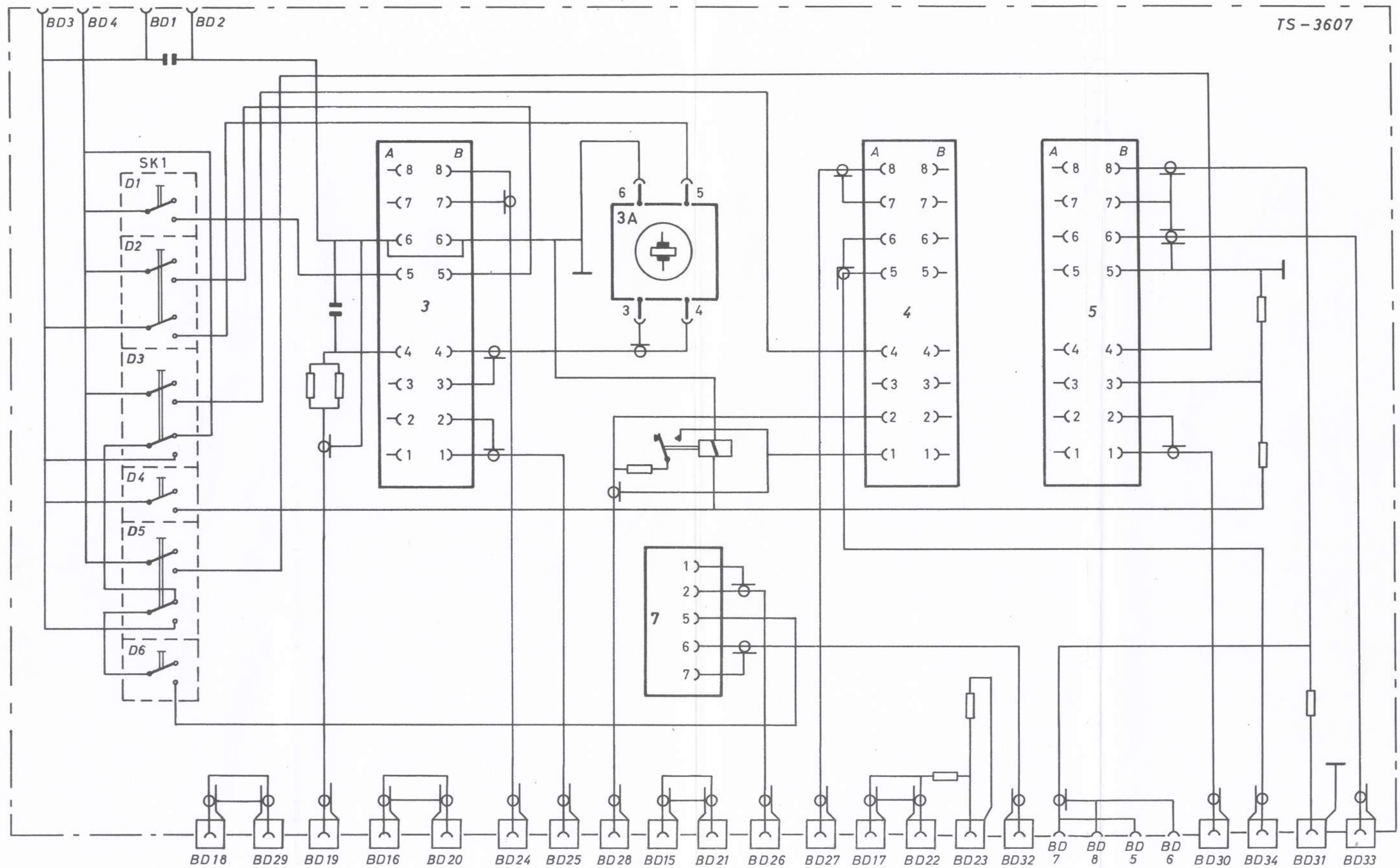
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*MODULE TESTERS TS-3603 AND TS-3606
FIGURES 17,18,19, 20*

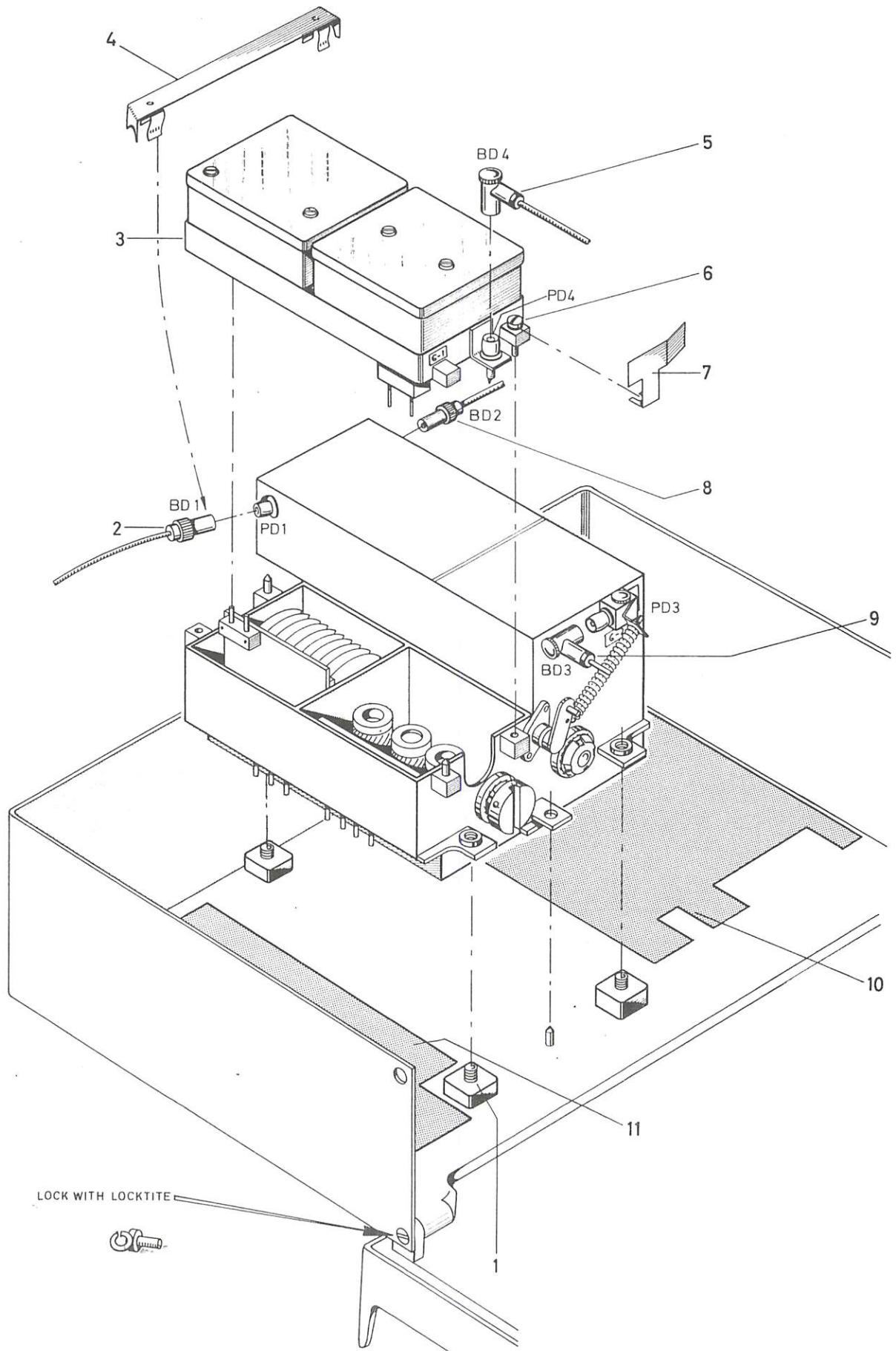
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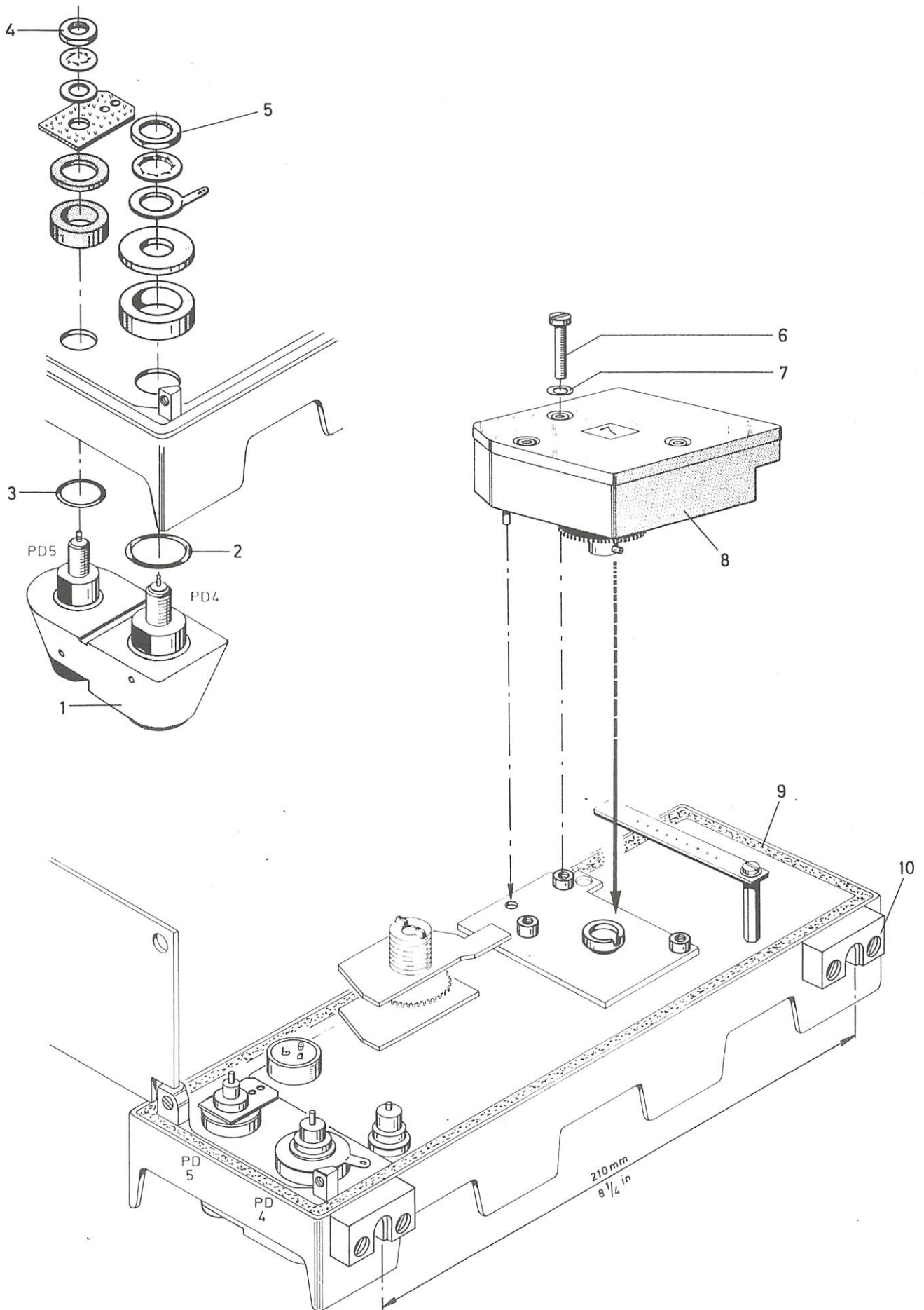
MODULE TESTER TS-3607
FIGURE 21



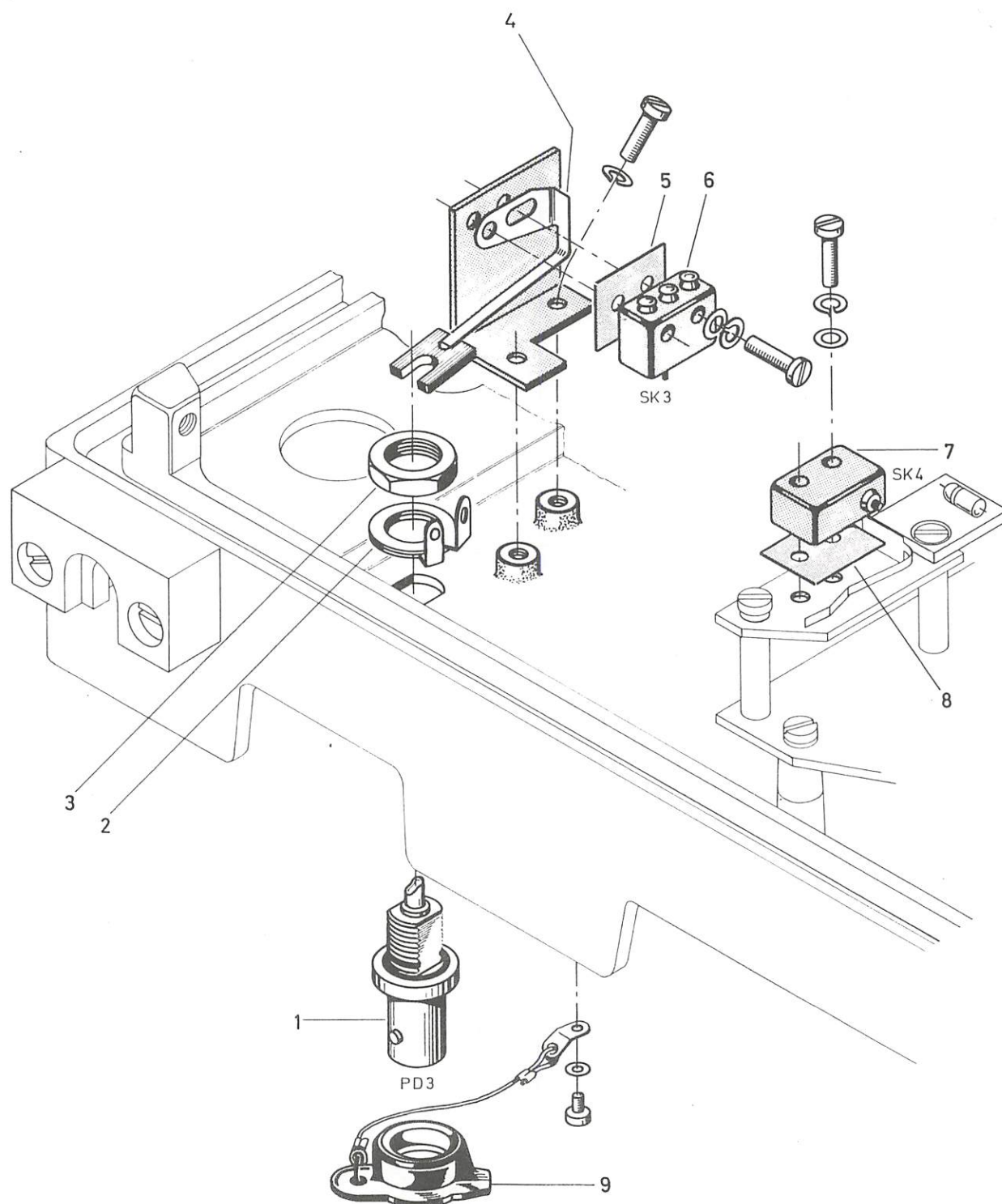
CIRCUIT DIAGRAM MODULE TESTER TS-3607
FIGURE 22



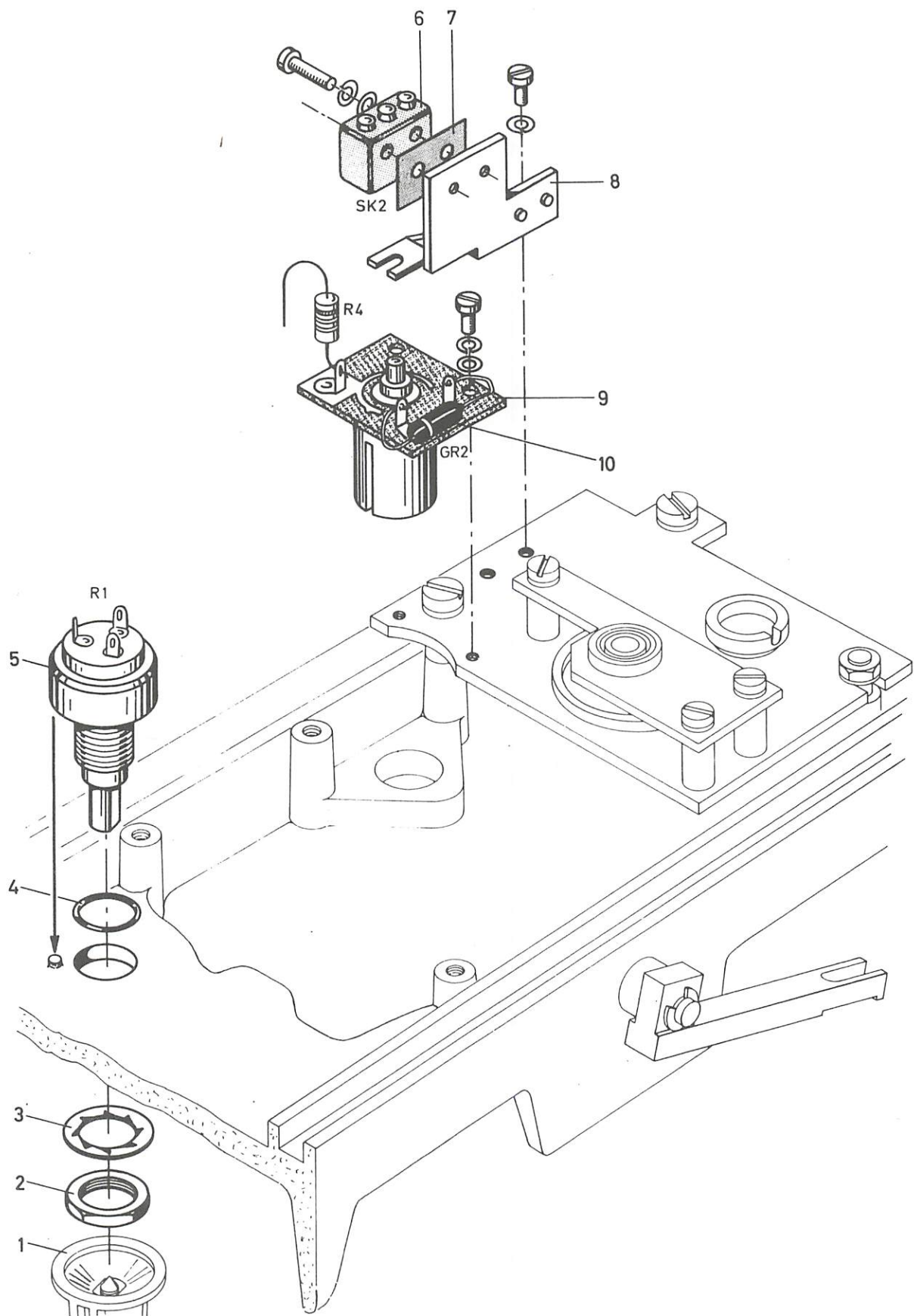
REPLACING MODULE 6
FIGURE 23



REPLACING MODULE 7 AND THE
AERIAL SOCKET
FIGURE 24

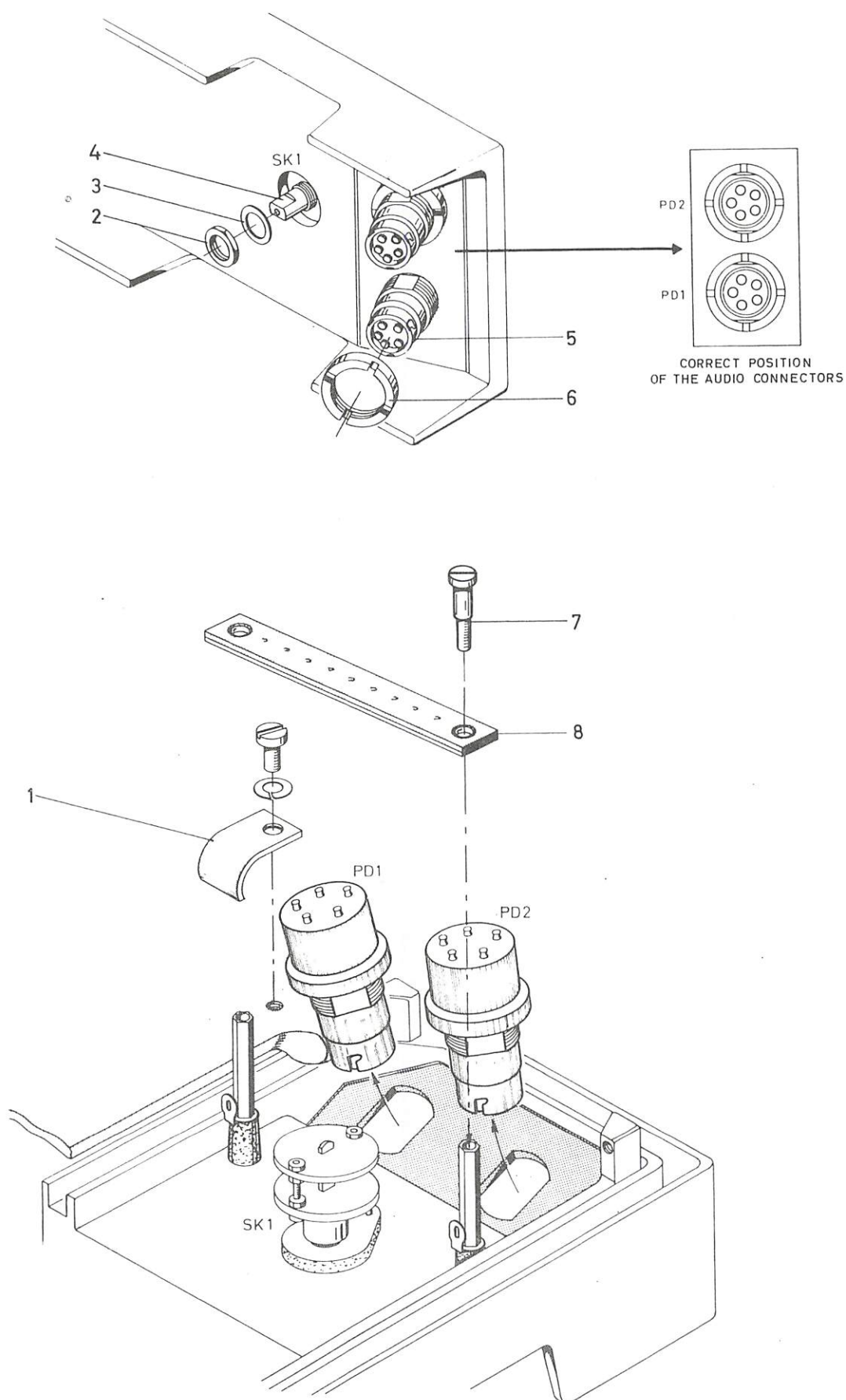


REPLACING COAXIAL CONNECTOR PD3
AND MICRO SWITCHES SK3 AND SK4
FIGURE 25

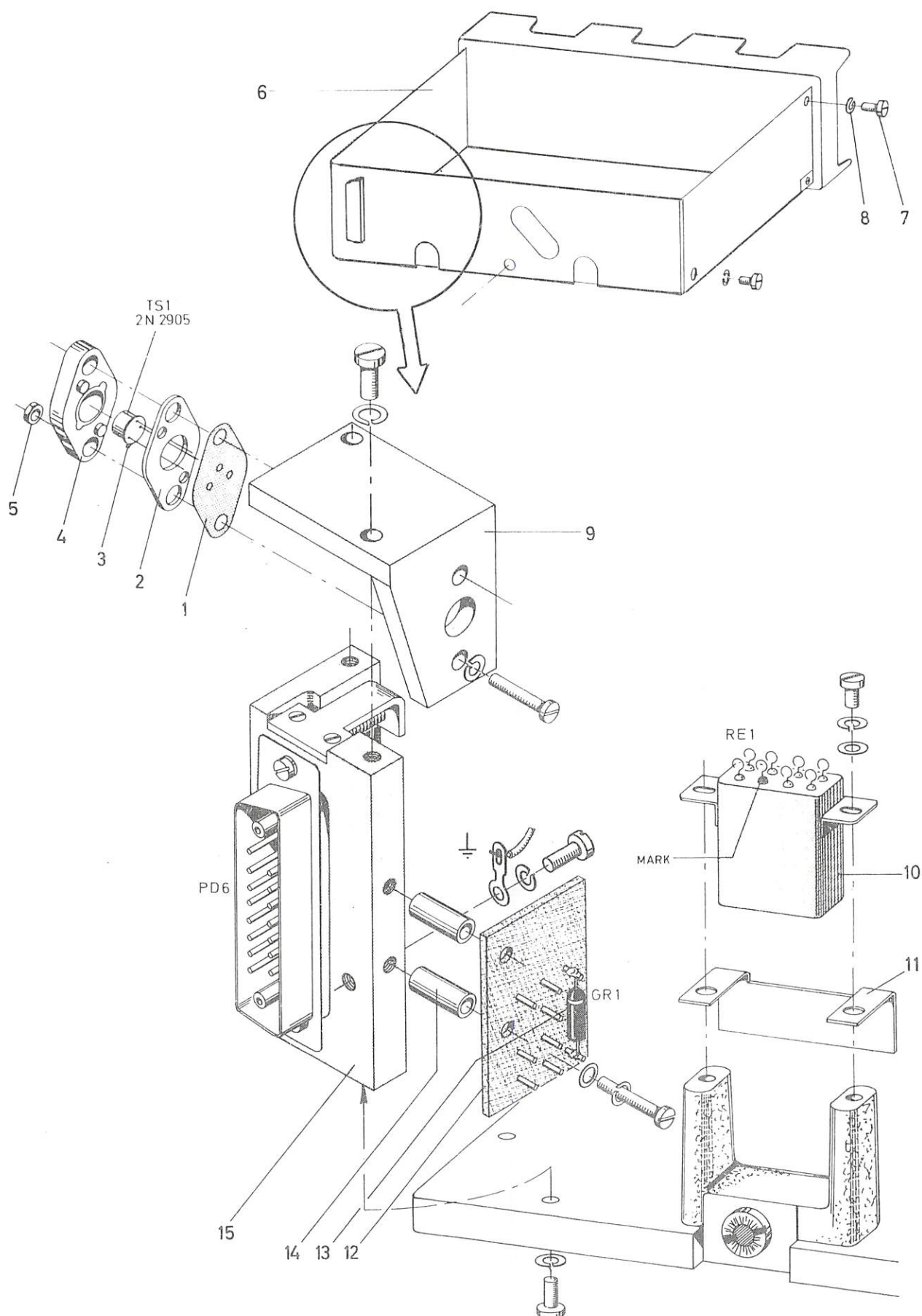


REPLACING POTENTIOMETER R1
SWITCH SK2 AND LAMP HOLDER
CONTACT

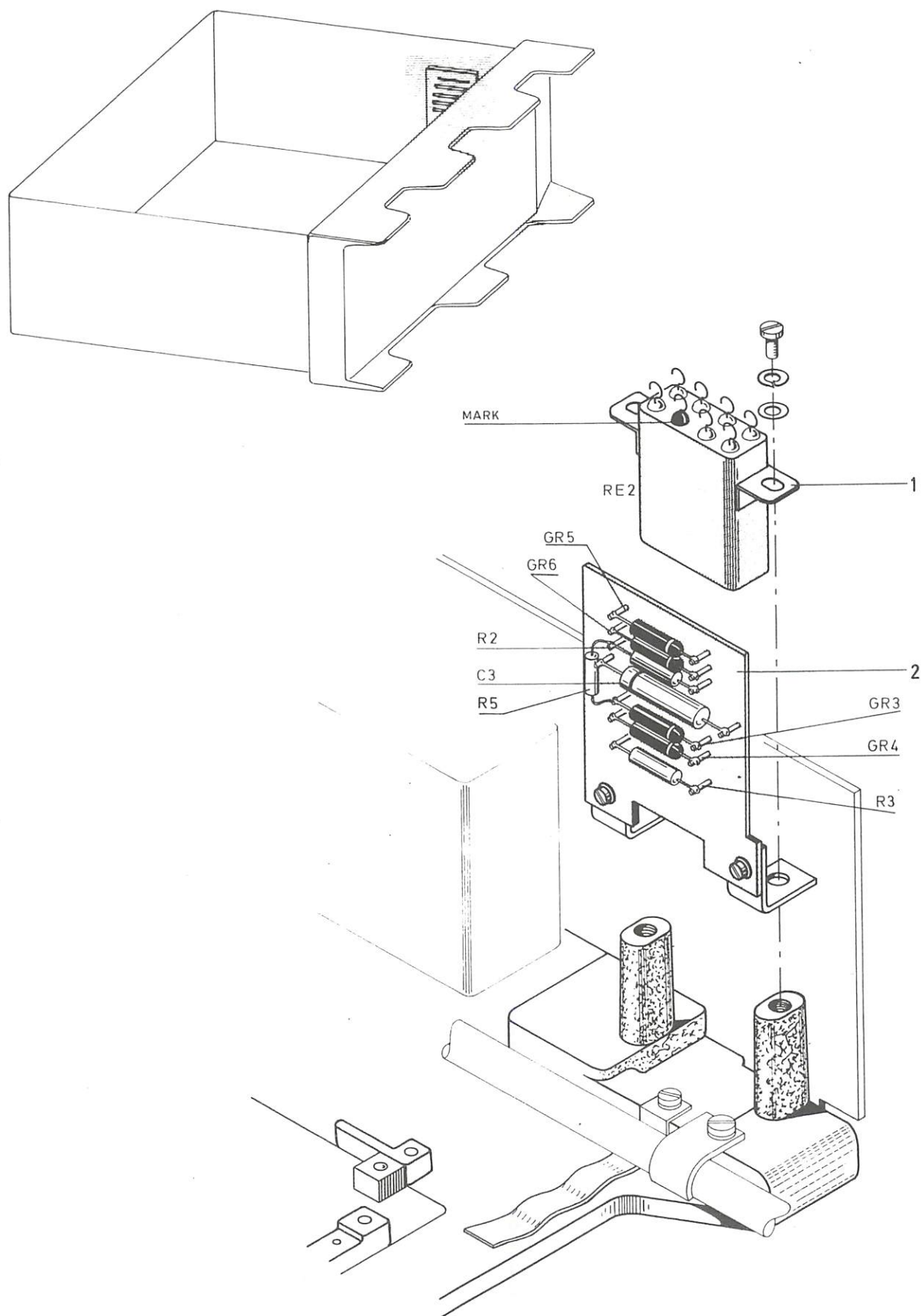
FIGURE 26



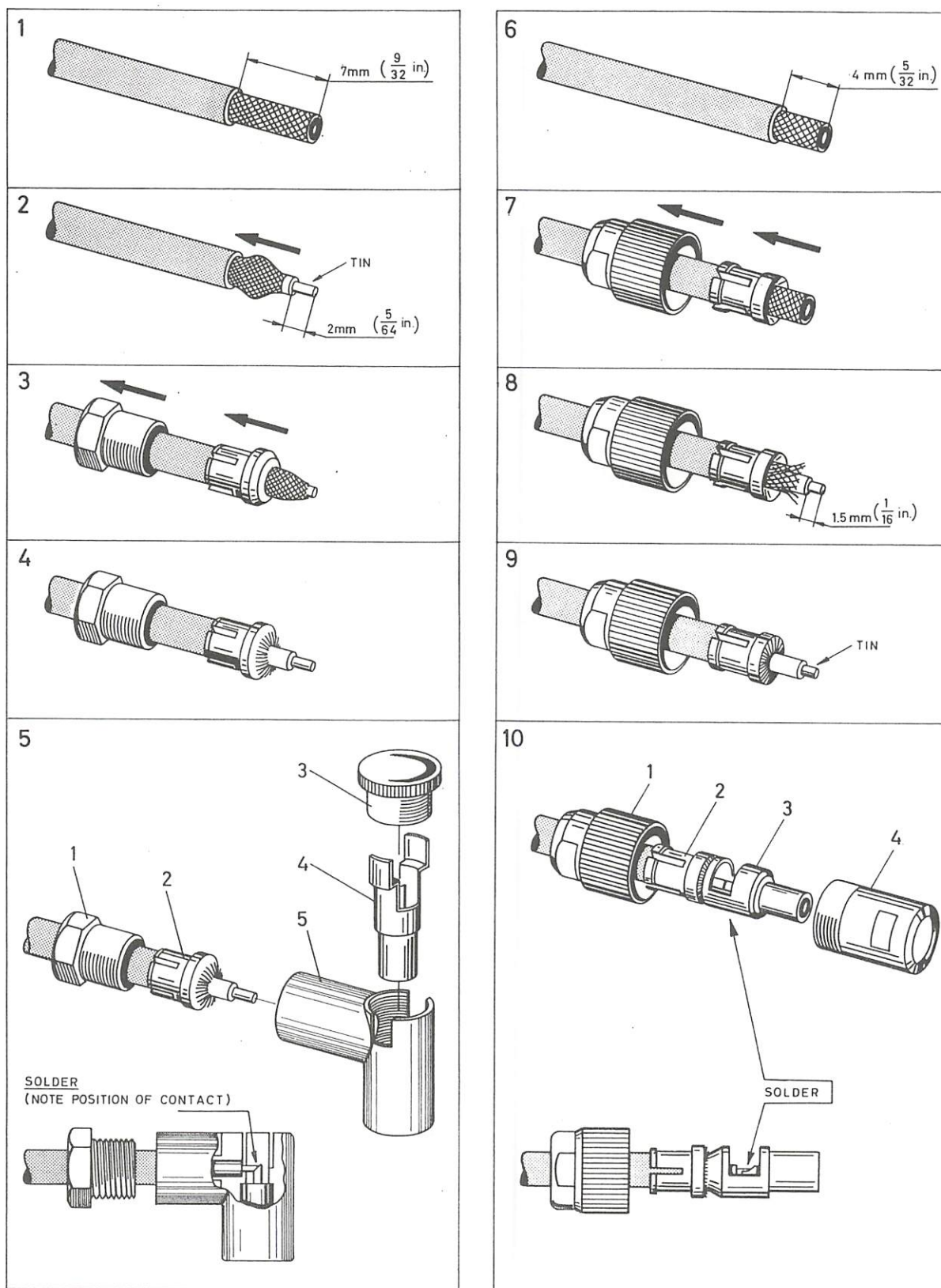
REPLACING AUDIO CONNECTORS
PD1 and PD2
FIGURE 27



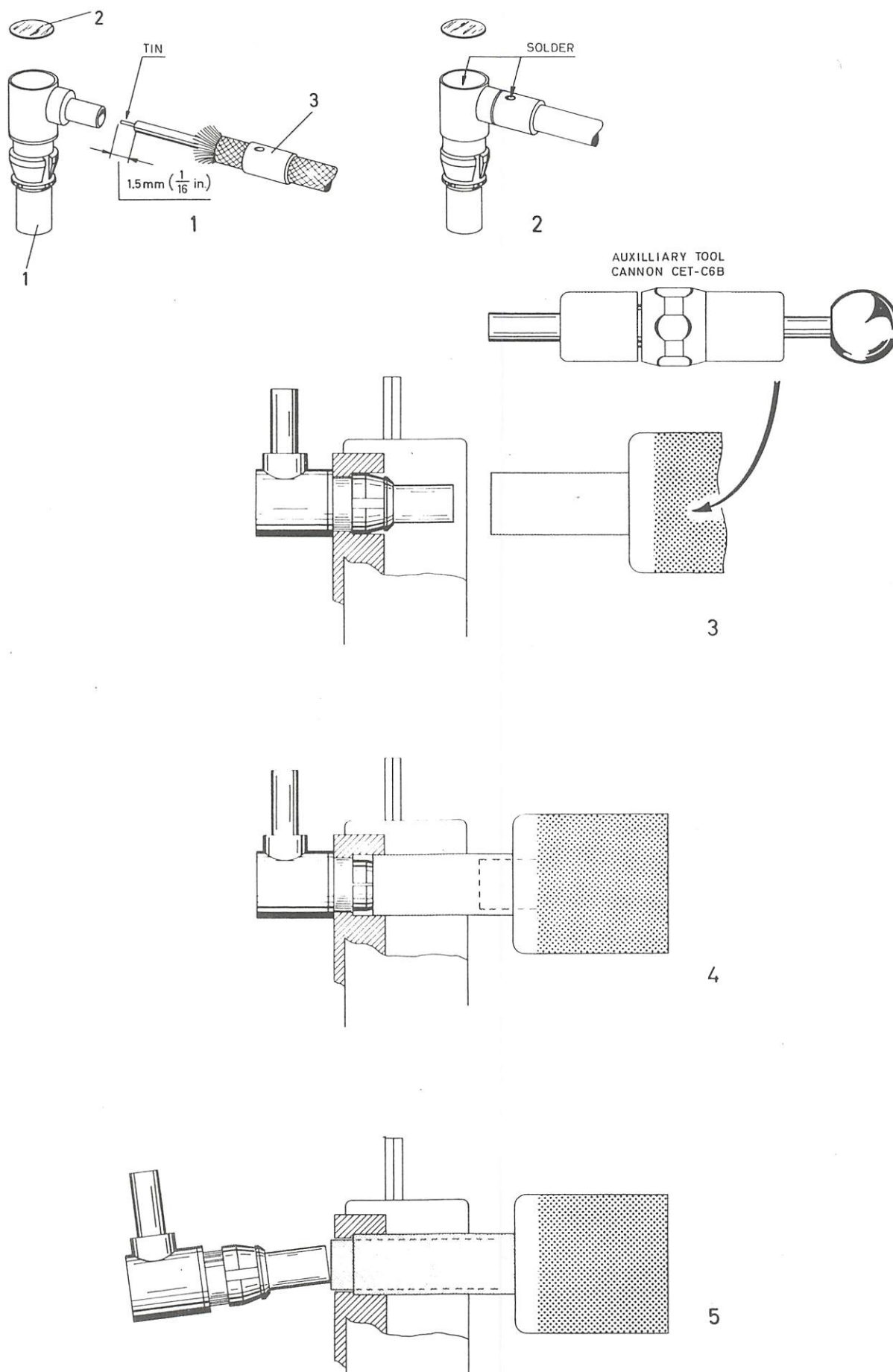
REPLACING TRANSISTOR TS1 and
RELAY RE1
FIGURE 28



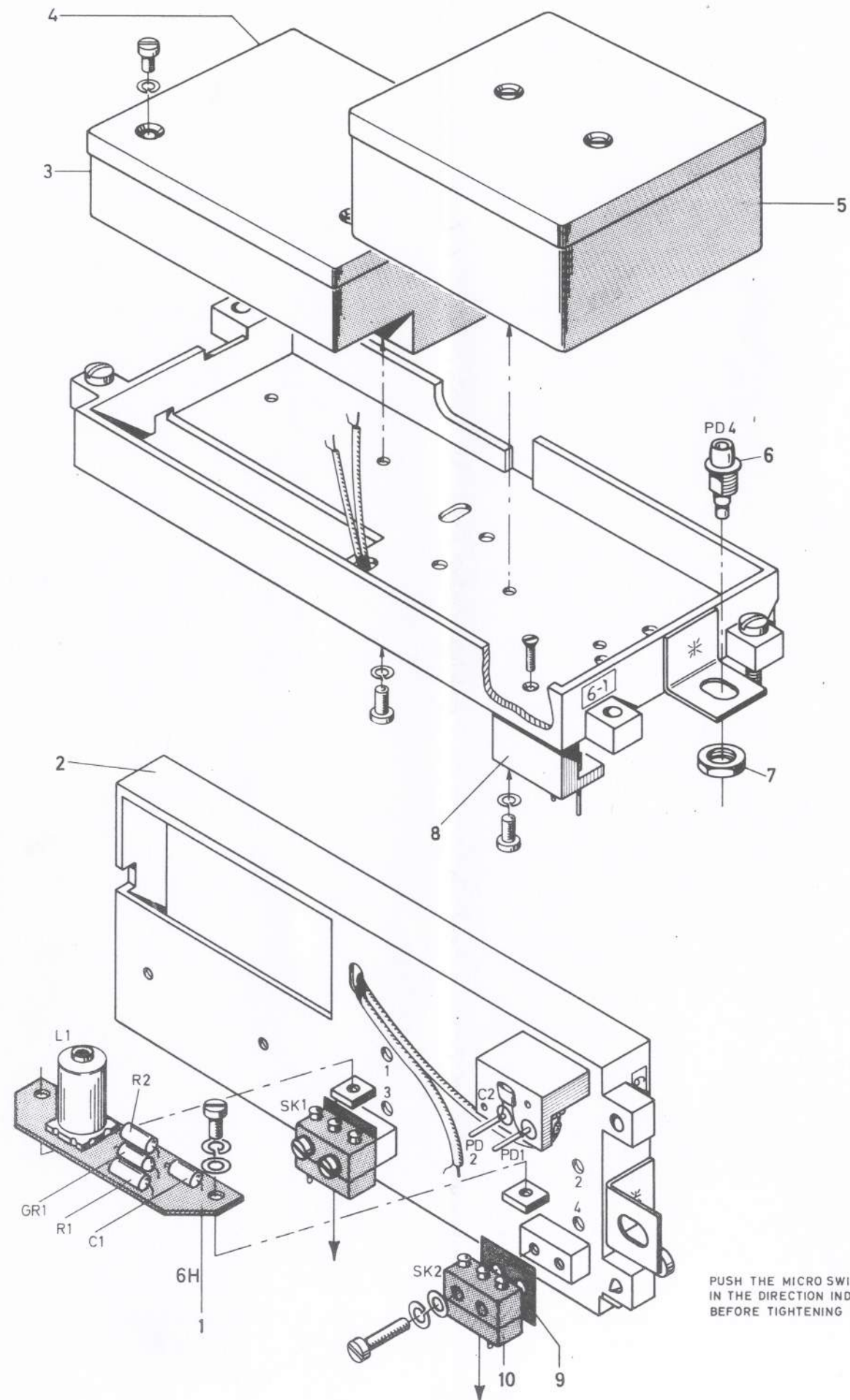
REPLACING RELAY RE2 AND
TERMINAL STRIP 2
FIGURE 29



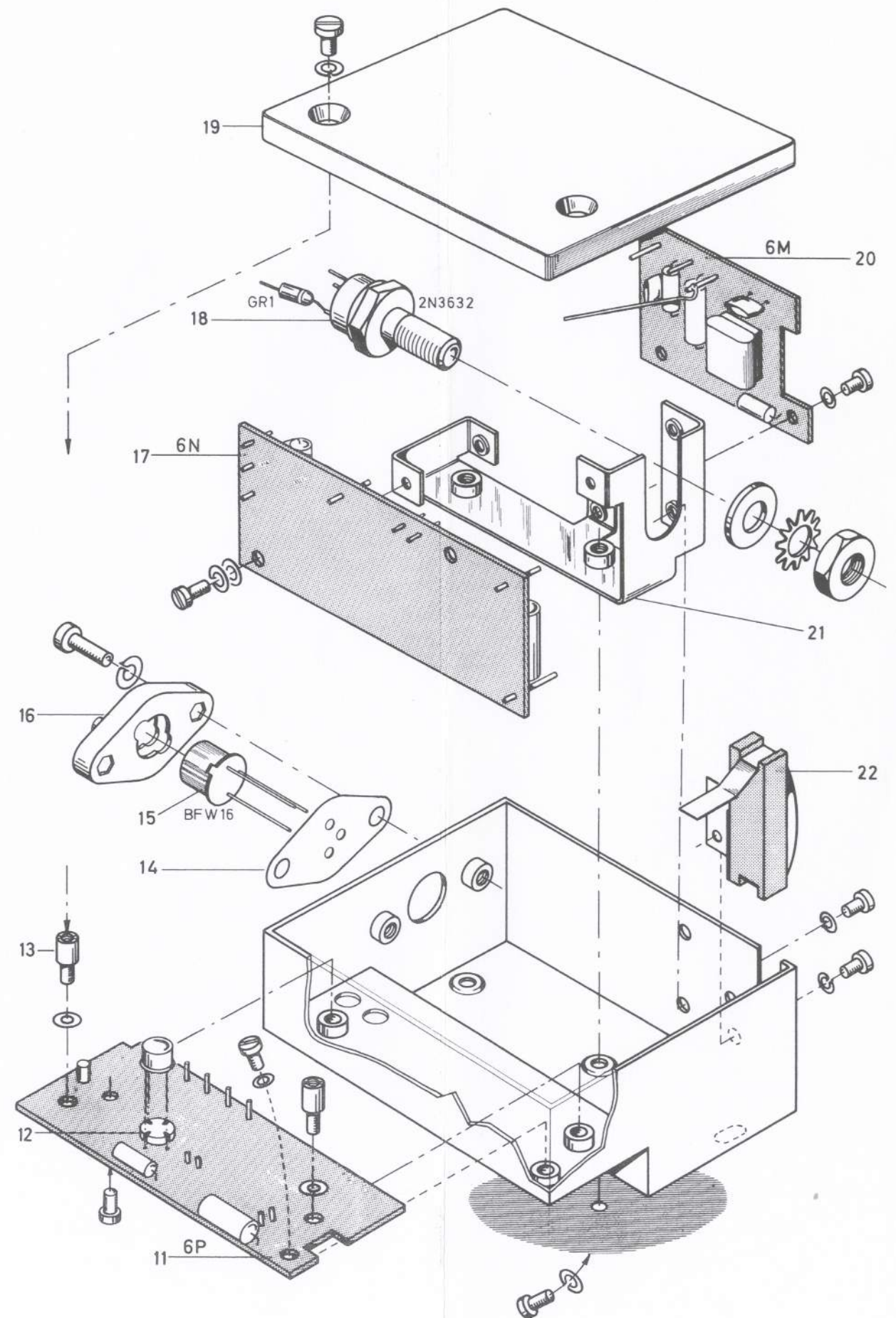
ASSEMBLY OF RF CABLES WITH
MINIATURE CONNECTORS
FIGURE 30



REPLACING COAXIAL CONNECTORS
FIGURE 31

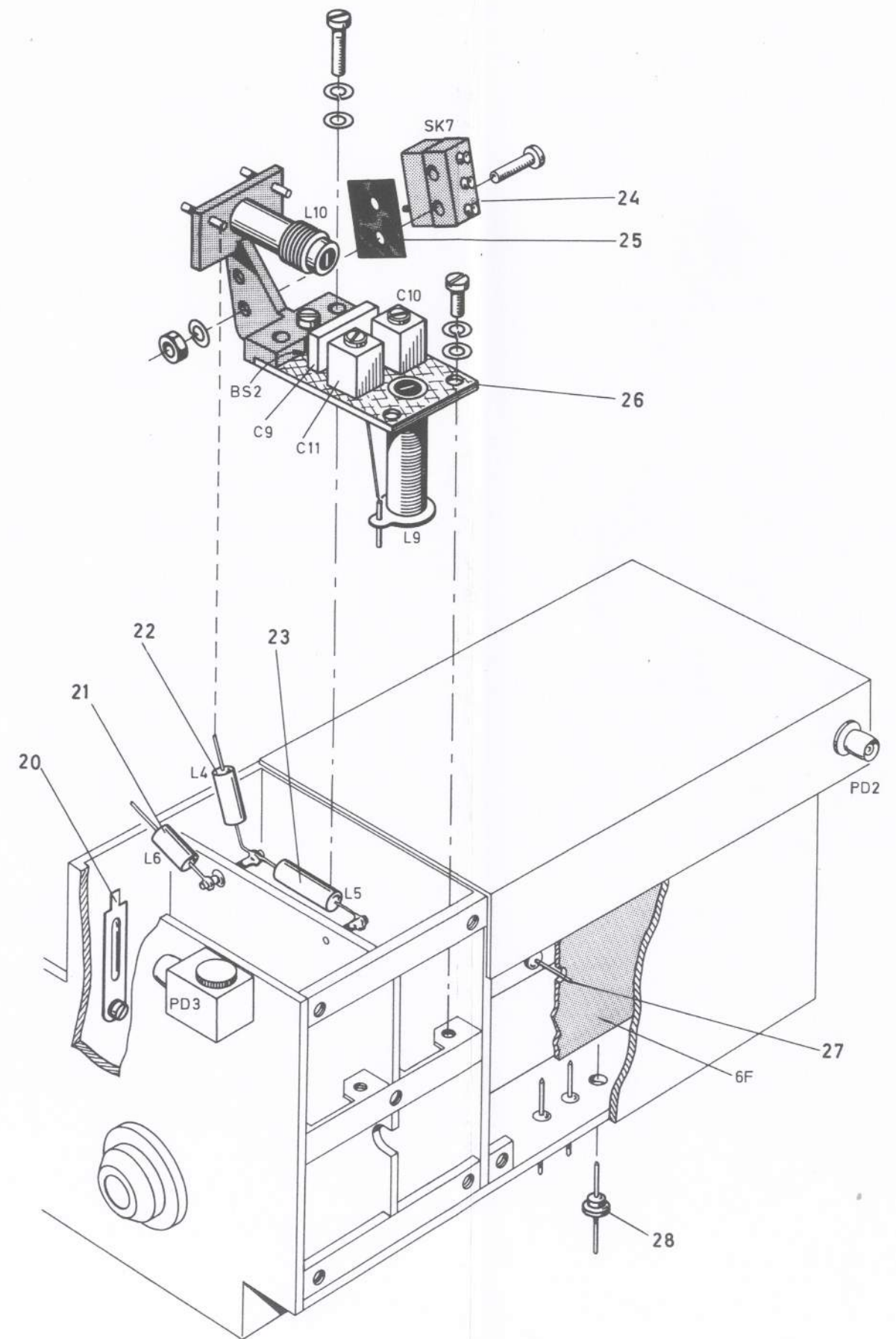
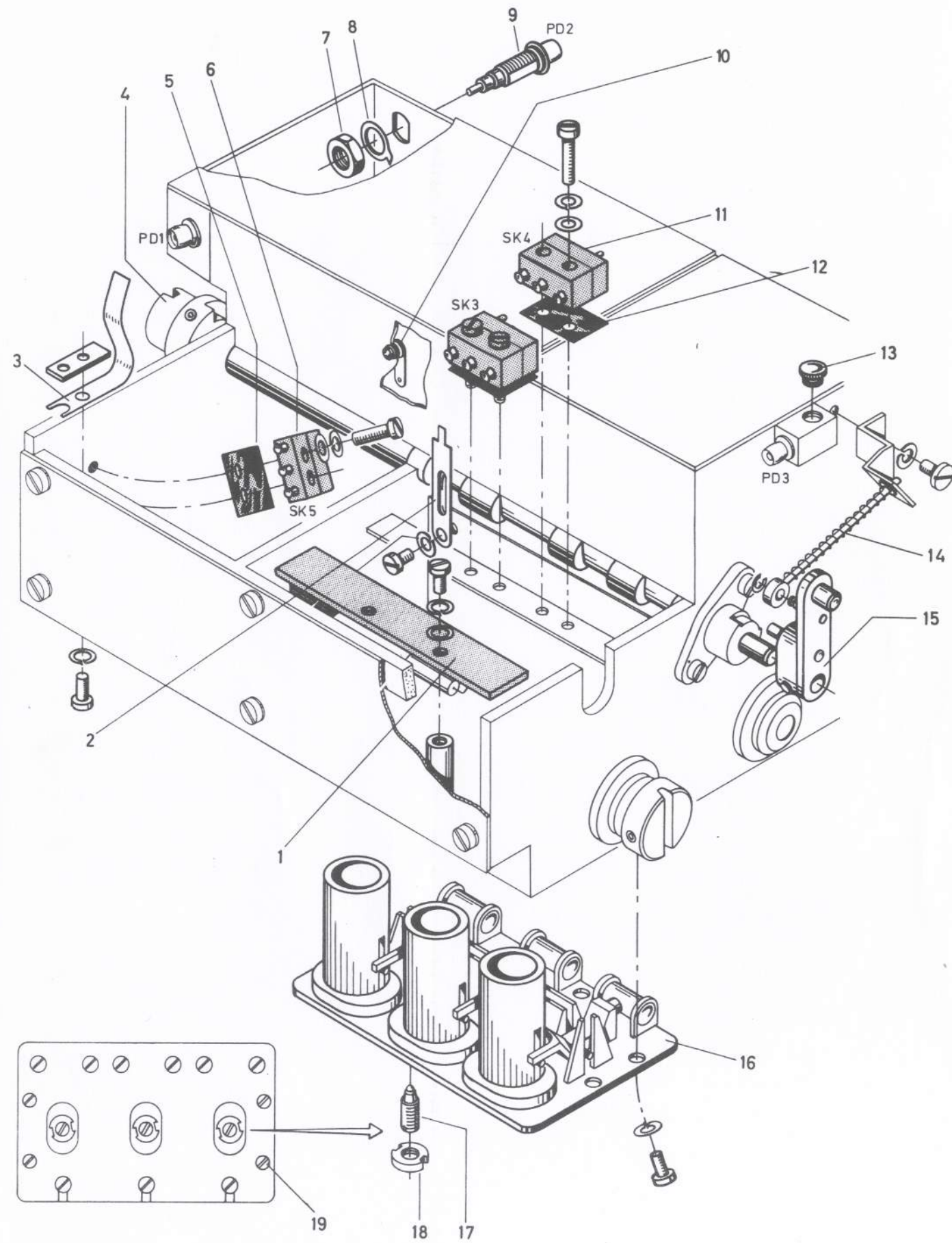


PUSH THE MICRO SWITCHES SK1 AND SK2
IN THE DIRECTION INDICATED BY THE ARROW
BEFORE TIGHTENING THE SCREWS



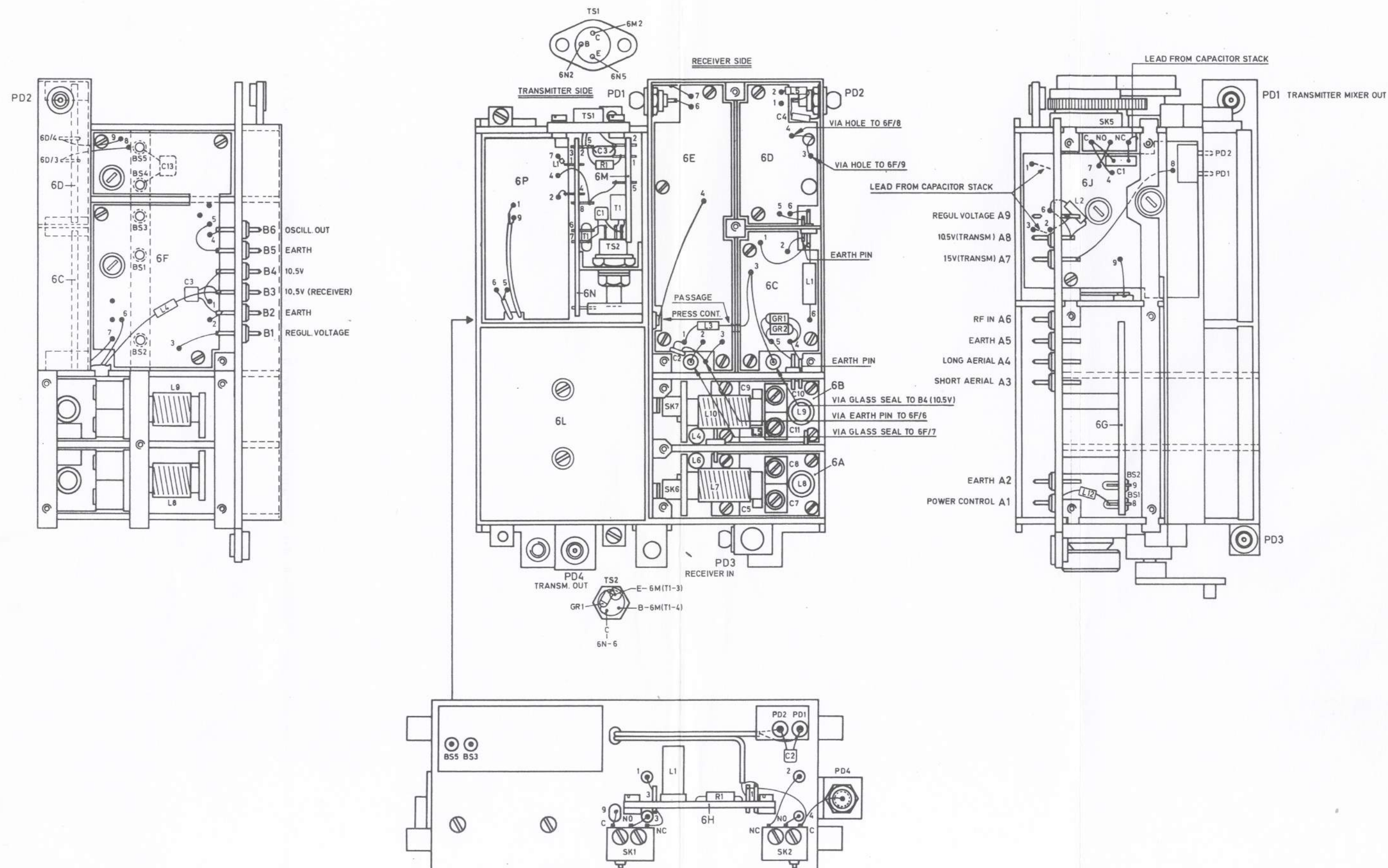
DISASSEMBLY OF MODULE 6
(part 6-1, RF-AMPLIFIER)
FIGURE 32

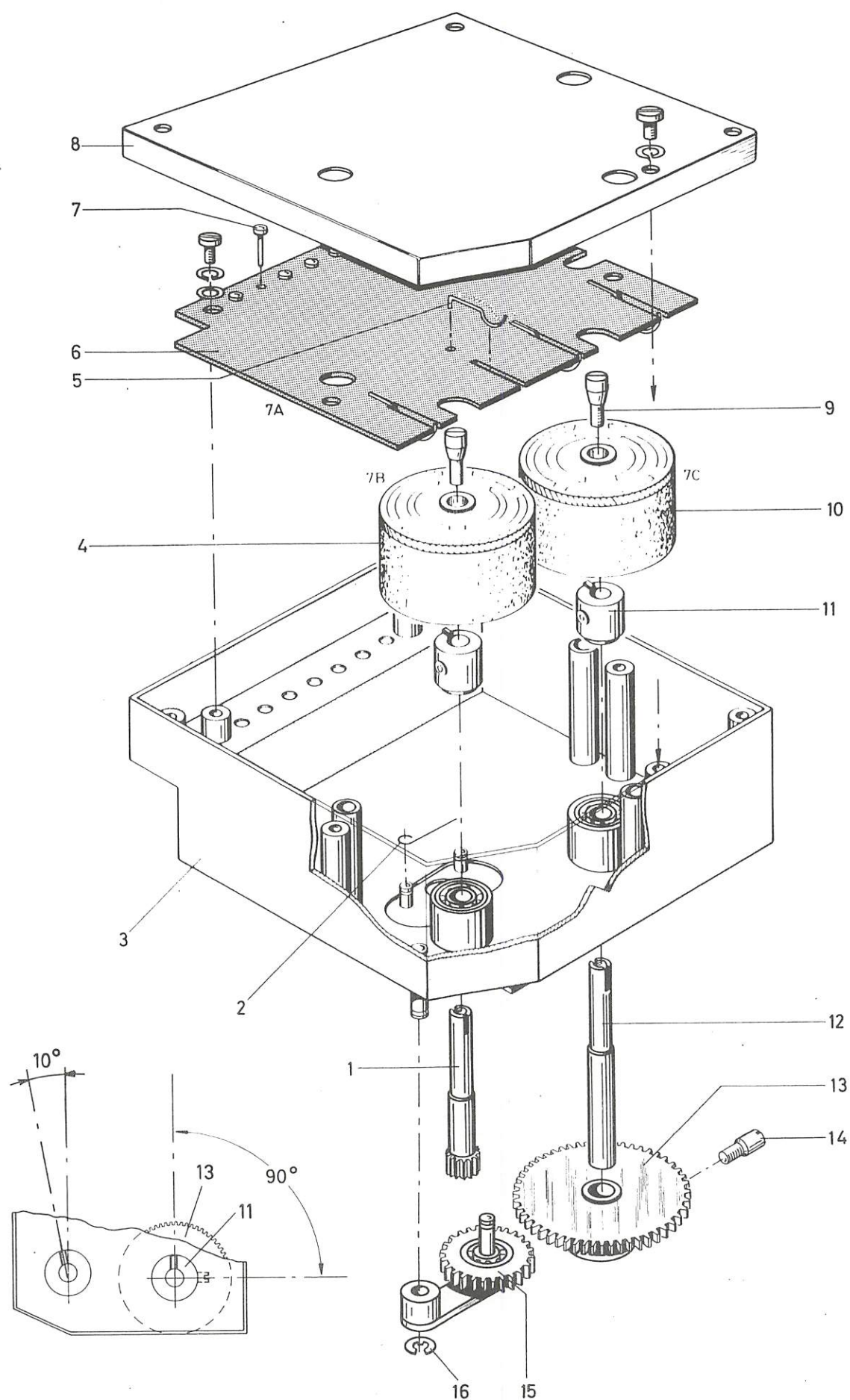
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DISASSEMBLY OF MODULE 6
(part 6-2, RF-TUNING UNIT)
FIGURE 33

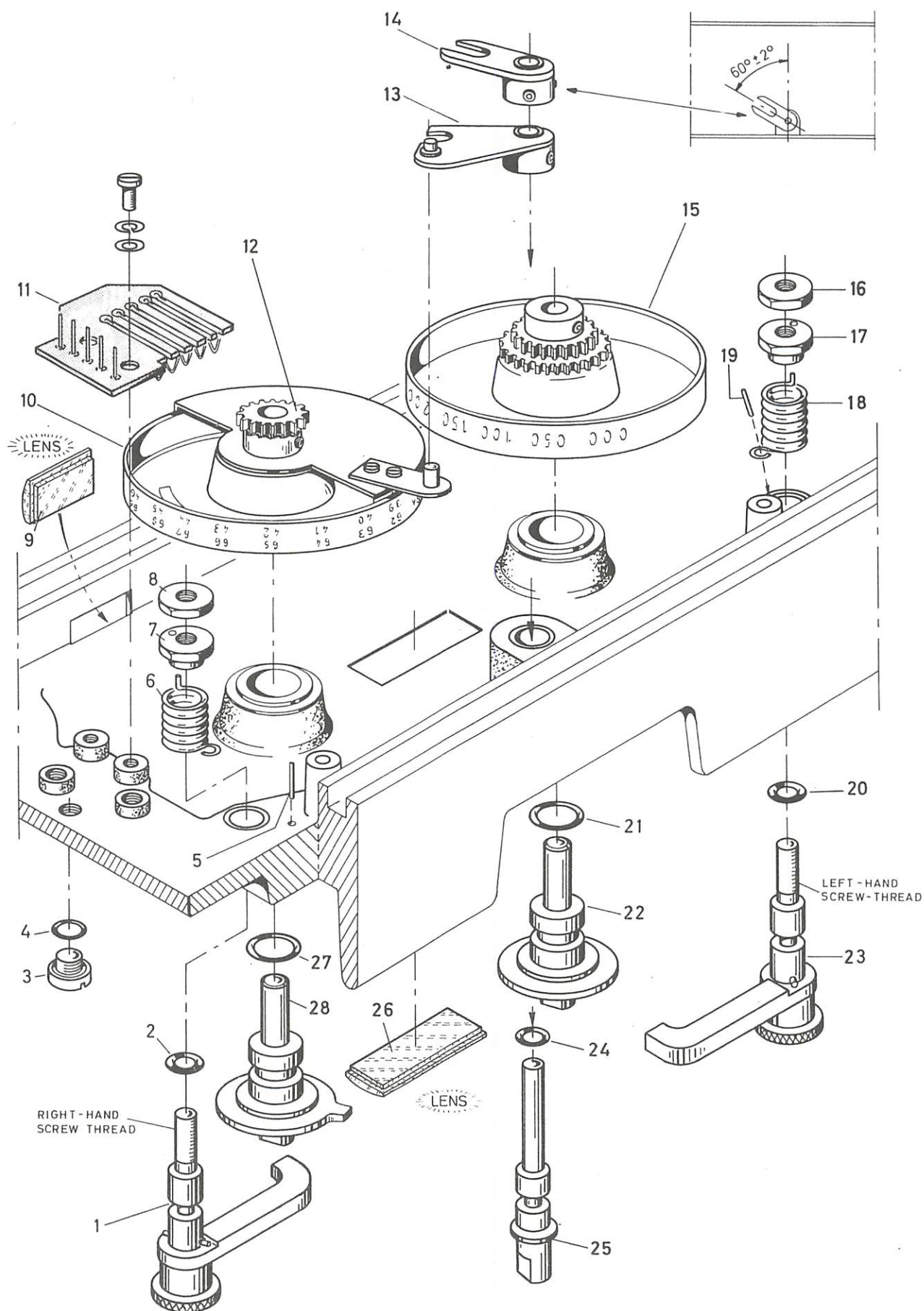
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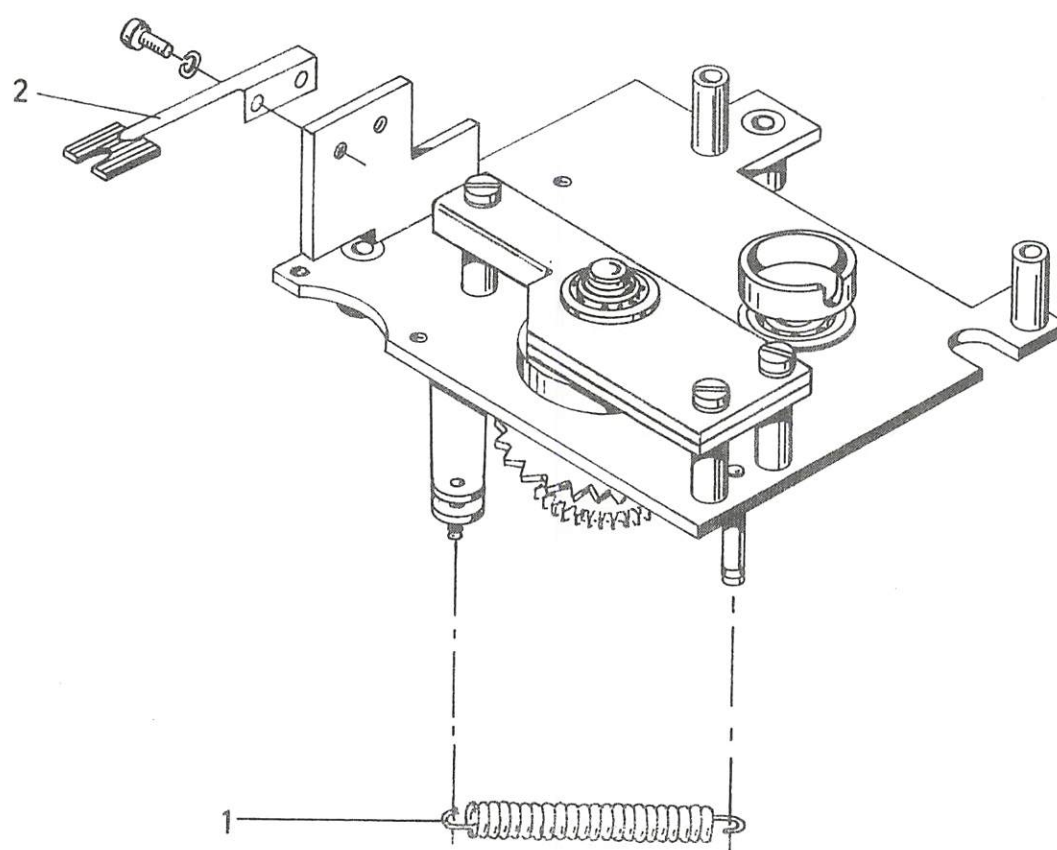


DISASSEMBLY AND ASSEMBLY OF
MODULE 7
FIGURE 35

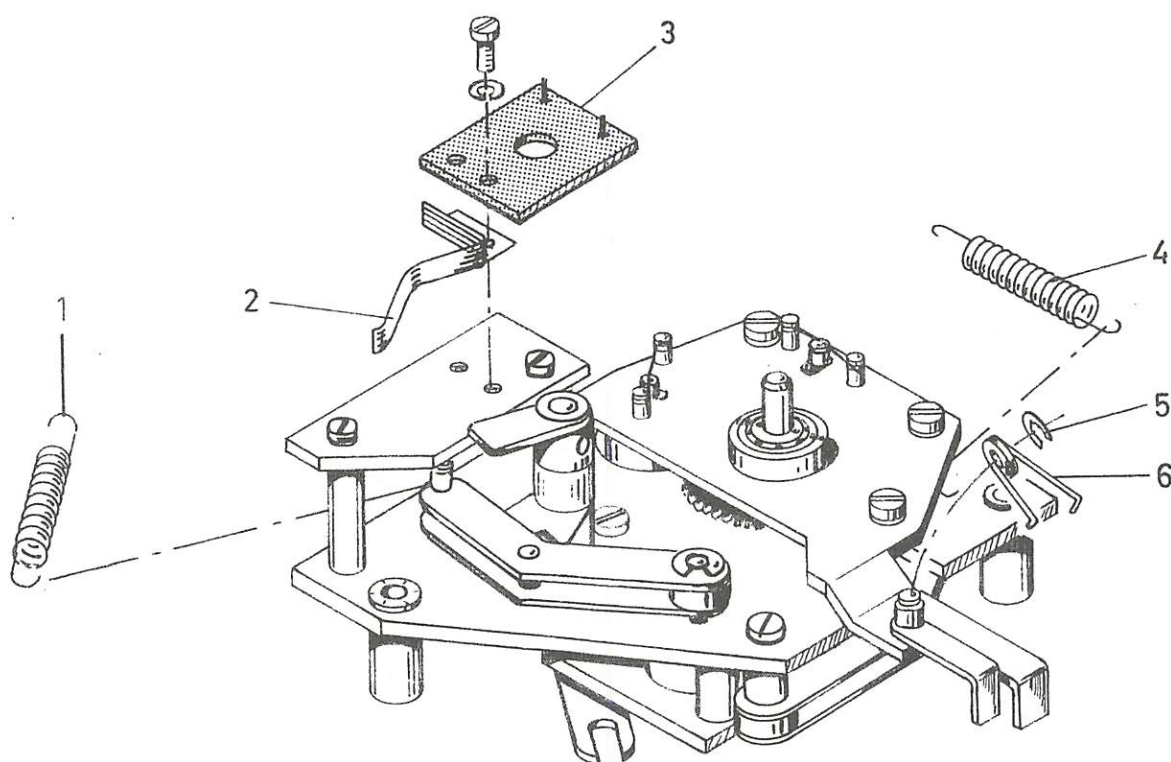
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DISASSEMBLY MODULE 10
FIGURE 36



DISASSEMBLY CURVE-UNIT
FIGURE 37



DISASSEMBLY DIFFERENTIAL - UNIT
FIGURE 38