A 1066

Issue 1/756

GAUMONT-KALEE

MAIN VOLUME CONTROL

TYPE 1066

MANUAL
and
SPARES LIST

RANK PRECISION INDUSTRIES LTD.

GAUMONT-KALEE DIVISION

37-41 Mortimer Street, London W.1, England

Telephone : Museum 5432 *Cables :* 'RANKALEE LONDON'

MAIN VOLUME CONTROL, TYPE 1066

OPERATORS' MANUAL

and

SPARE PARTS LIST

AP 1066

CONTENTS

ILLUSTRATIONS

SPECIFICATION

Purpose	Three way volume control and four way switching for Machine Changeover and NORMAL/STEREOPHONIC/PERSPECTASOUND selection. Wall mounting.	
Dimensions	Width	11 in. (28 cm.)
	Length	12½ in. (32 cm.)
	Depth	6 in. (15.25 cm.)
Weight (nett)		16 lb. (7.2 kgm.)

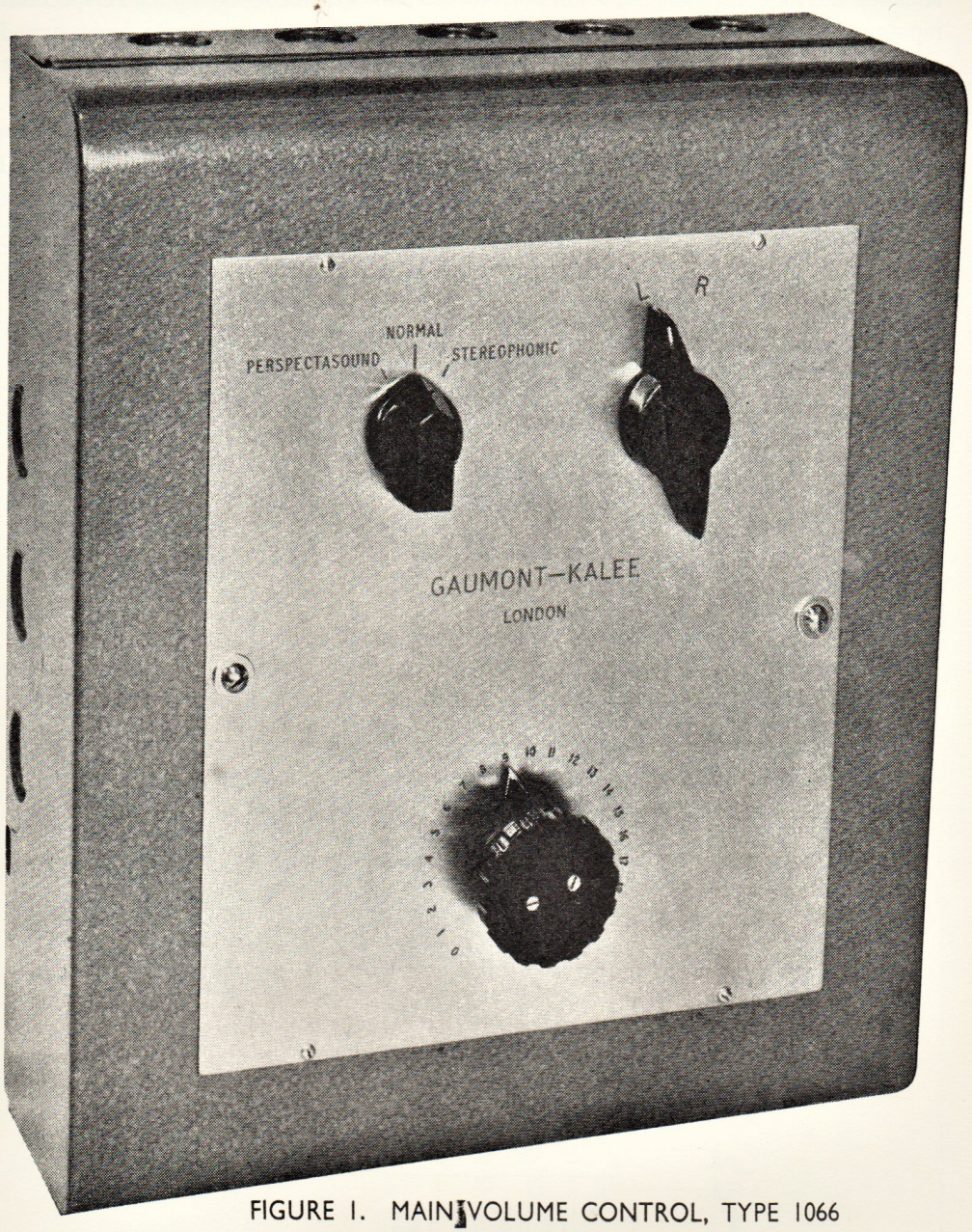


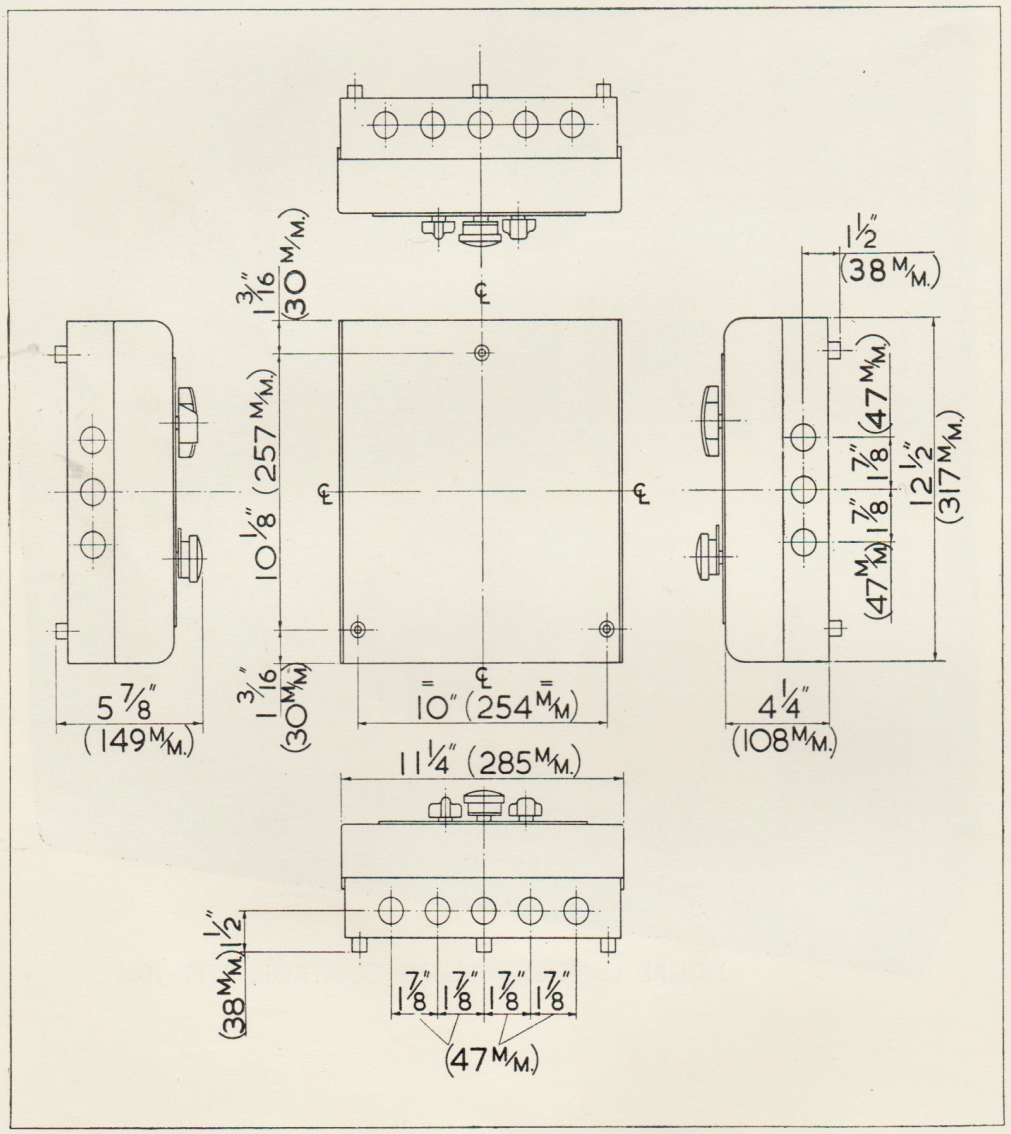
FIGURE 1. MAIN VOLUME CONTROL, TYPE 1066

INTRODUCTION TO TYPE 1066 MAIN VOLUME CONTROL

The type 1066 Main Volume Control has been designed to provide, in one unit, facilities for selecting and for controlling the volume of, Normal photographic sound inputs, Perspectasound inputs, and four track magnetic sound inputs. A changeover switch is also incorporated to permit sound changeover between two projectors. The 1066 Main Volume Control cannot be used in three machine systems, nor in conjunction with GK 20 dual or 40 watt systems.

Physically, the 1066 is constructed of three main parts, a wall mounting back tray, a chassis, and a cover with an engraved escutcheon bearing the switch marking shown in Fig. 4. The unit is normally mounted between the two projectors on the front wall of the projection room.

FIGURE 2. INSTALLATION DIMENSIONS OF 1066 MAIN VOLUME CONTROL



CLEANING FADERS AND SWITCHES

The stud contacts of faders and switches should be cleaned periodically, NEVER LESS THAN ONCE EVERY THREE MONTHS. Since atmospheric conditions have an effect on the contacts, the actual frequency of cleaning must be dictated by experience.

Faders and Stud-Contact Switches

After dusting inside the case and cover, the following cleaning procedure should be followed:—

(1) Wipe the stud faces carefully with a clean rag of fine linen, moistened with pure Benzine, and then with a similar rag dry.

(2) Carefully lift the contact brushes just enough to permit the insertion of a clean piece of paper between the brushes and the contact studs. Oscillate the brushes backwards and forwards over the paper to clean the contact faces.

(3) Clean the collector ring with Benzine, then clean the faces between the collector shoe and the ring with paper as above.

(4) Re-lubricate the stud faces and contact ring face with a very small amount of best quality clock-oil, using a camel hair brush.

(5) Clean out any surplus oil or dust before replacing cover.

NOTE I: On no account should emery paper or any abrasive be used for cleaning contacts.

NOTE II: Do not use Carbon Tetrachloride (or 'Thawpit') as a solvent in place of Benzine, because of impurities found in commercial grades.

NOTE III: When installing or replacing faders or switch-boxes, do not remove fader dust covers whilst connecting leads or soldering adjacent components, as dirt and flux must not be allowed to fall on the contact faces.

Wafer Switches

With switches of this type, it is not generally possible to wipe the contact surfaces, but a similar cleaning method to the above should be employed. After dusting as above:—

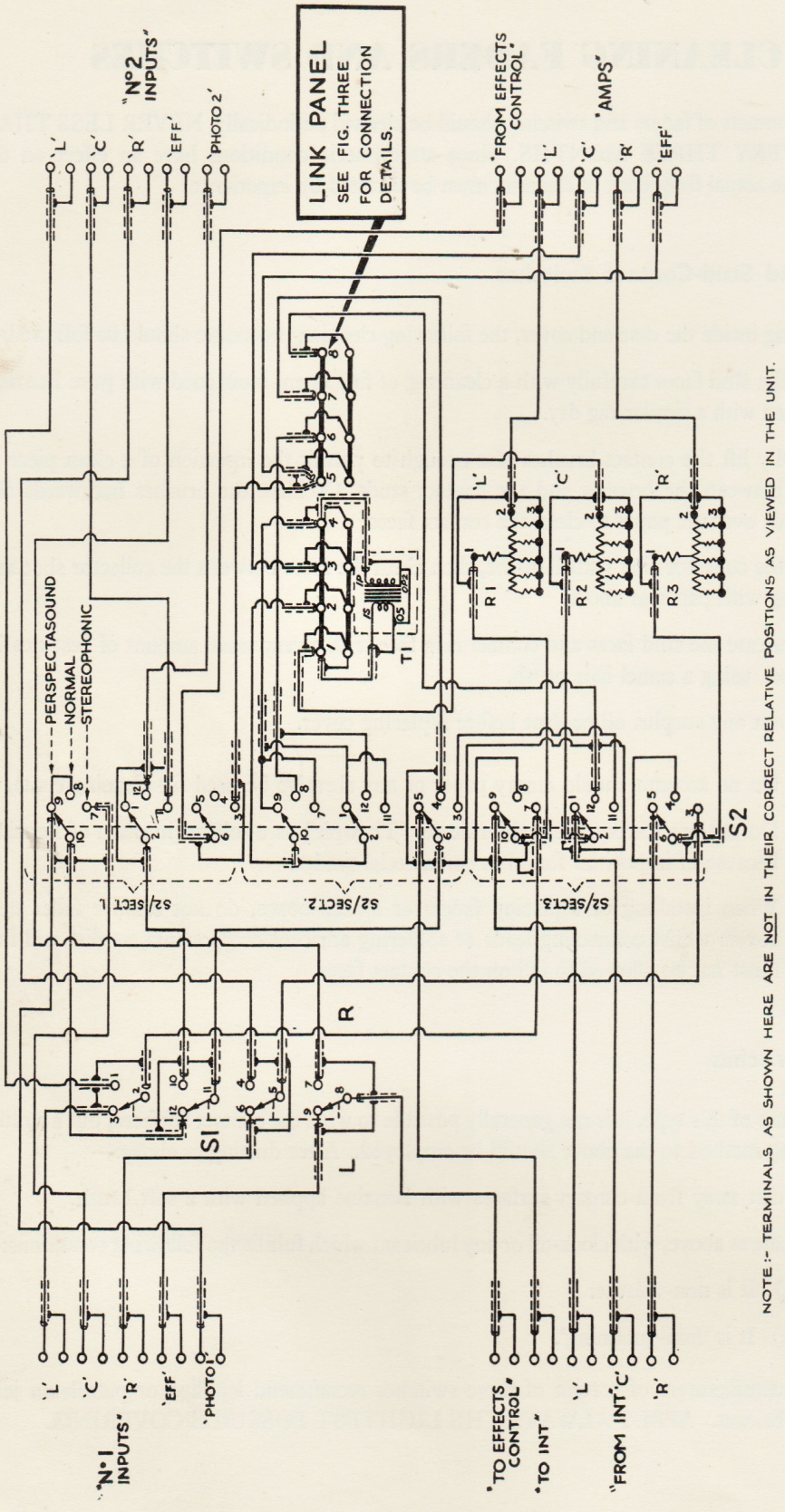
(1) Wash dirt away from contact surfaces with Benzine applied with a soft brush.

(2) Lubricate as above, with clock-oil or any lubricant which fulfills the following conditions:—

(a) It is non-volatile.

(b) It is 'non-gumming'.

The manufacturers of certain of these switches recommend lanoline or petroleum jelly as a lubricant. APPLY ALWAYS THE LIGHTEST POSSIBLE COVERING.



NOTE :- TERMINALS AS SHOWN HERE ARE NOT IN THEIR CORRECT RELATIVE POSITIONS AS VIEWED IN THE UNIT.

FIGURE 3. 1066 CIRCUIT DIAGRAM

SPARE PARTS LIST

(See illustrations overleaf and on sheets AP *1066/7* and AP *1066/8*)

1066008	Spacer
1055021	Fader R1. R3
1044005	Switch S2
1066001	Tray
1066003	Cover
1066007	Designation strip
1055010	Lever
1055014	Driving arm assy.
1055016	Control spindle
1055018	Gear (driven)
1055020	Coupling boss
69059	Switch knob
107012	Can
522117	Barrel
905011	Transfer
477016	Bush
522010	Eyelet tag
CIR 5	Retaining ring
*71010	Teleflex unit
*905009	Coupling collar
1055026	Fader (click stop) R2
1055022	Switch S1
598000	Transformer T1
1066002	Component panel
1066006	Escutcheon plate
1066009	Link tag board assy.
1055011	Bearing bush
1055015	Spindle bearing
1055017	Spacer
1055019	Boss
1055023	Gear (driver)
384072	Fader knob assy.
107026	Lid
905021	Switch knob
1066004	Nameplate
1055004	Bracket
BFS77/534/10	Fanning strip
BFS77/903/10	Barrier strip

Screws, Nuts and Washers

*GRF/65	Grub screw for teleflex
GRF2/25	4BA x *X* skt. screw
GRF/23	4BA x $\frac{1}{4}$ skt. screw
GRC/68	2BA x $\frac{5}{8}$ Cap screw
S2990001	00 x $\frac{1}{8}$ pk screw
SCR2/1046	6BA x $\frac{1}{4}$ ch. hd. screw
SCX/2058	2BA x $\frac{3}{8}$ rd. hd. screw
WAS9/514	0BA shakeproof washer
WAS9/506	4BA shakeproof washer
WAS2/401	0BA plain washer
NUO2/271	2BA oddie nut
HBS10	0BA hank bush
*SCR1100	2 BA ch. hd. screw
GRF/65	2BA x $\frac{3}{8}$ skt, screw
GRC2/110	0BA x $\frac{7}{8}$ Cap screw
GRC/28	4BA x $\frac{5}{8}$ Cap screw
SCR2/1087	4BA x $\frac{5}{8}$ ch. hd. screw
SCR2/2032	6BA x $\frac{3}{16}$ rd. hd. screw
SPK2/6 x $\frac{1}{2}$	No. 6 x $\frac{1}{2}$" self tapping screw
WAS9/503	6BA shakeproof washer
WAS9/508	2BA shakeproof washer
WAS2/403	2BA plain washer
SNP2/1301	6BA oddie nut
HBS12	2BA hank bush

Cables

MO25312	Cable	CKZ 16 M	Cable

* Optional. See Page AT 1066/1

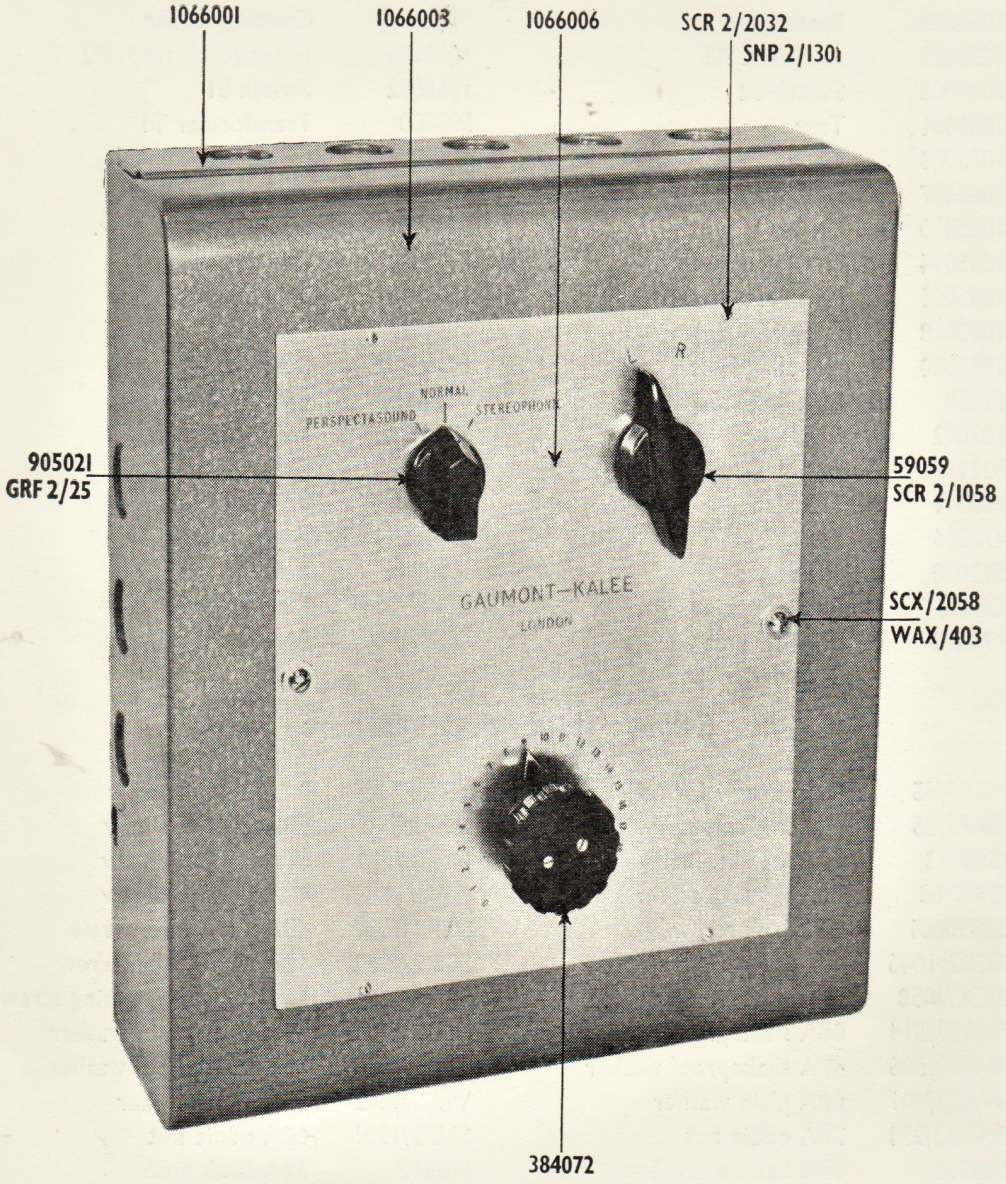


FIGURE 5. SPARE PARTS

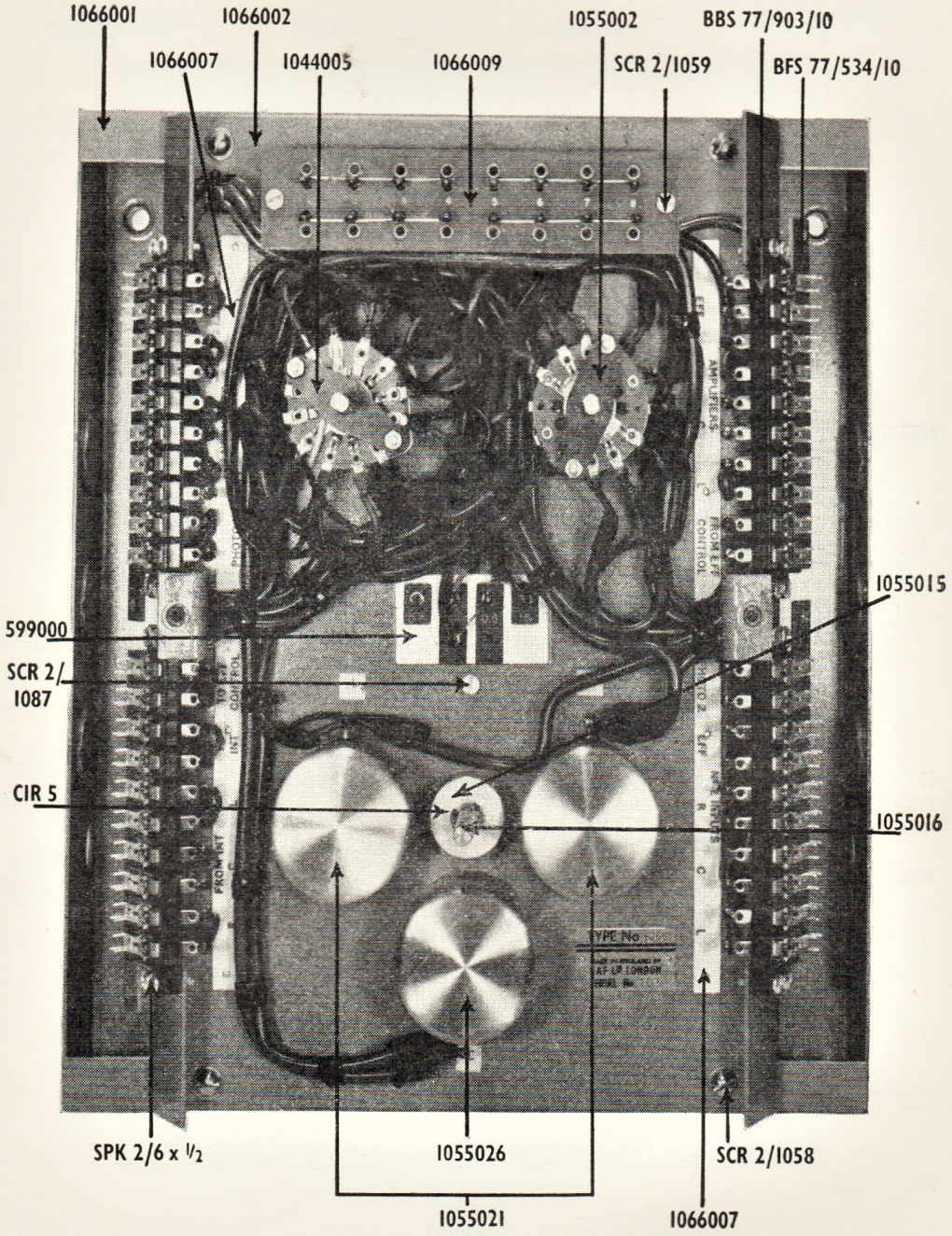


FIGURE 6. SPARE PARTS. CHASSIS (FRONT)

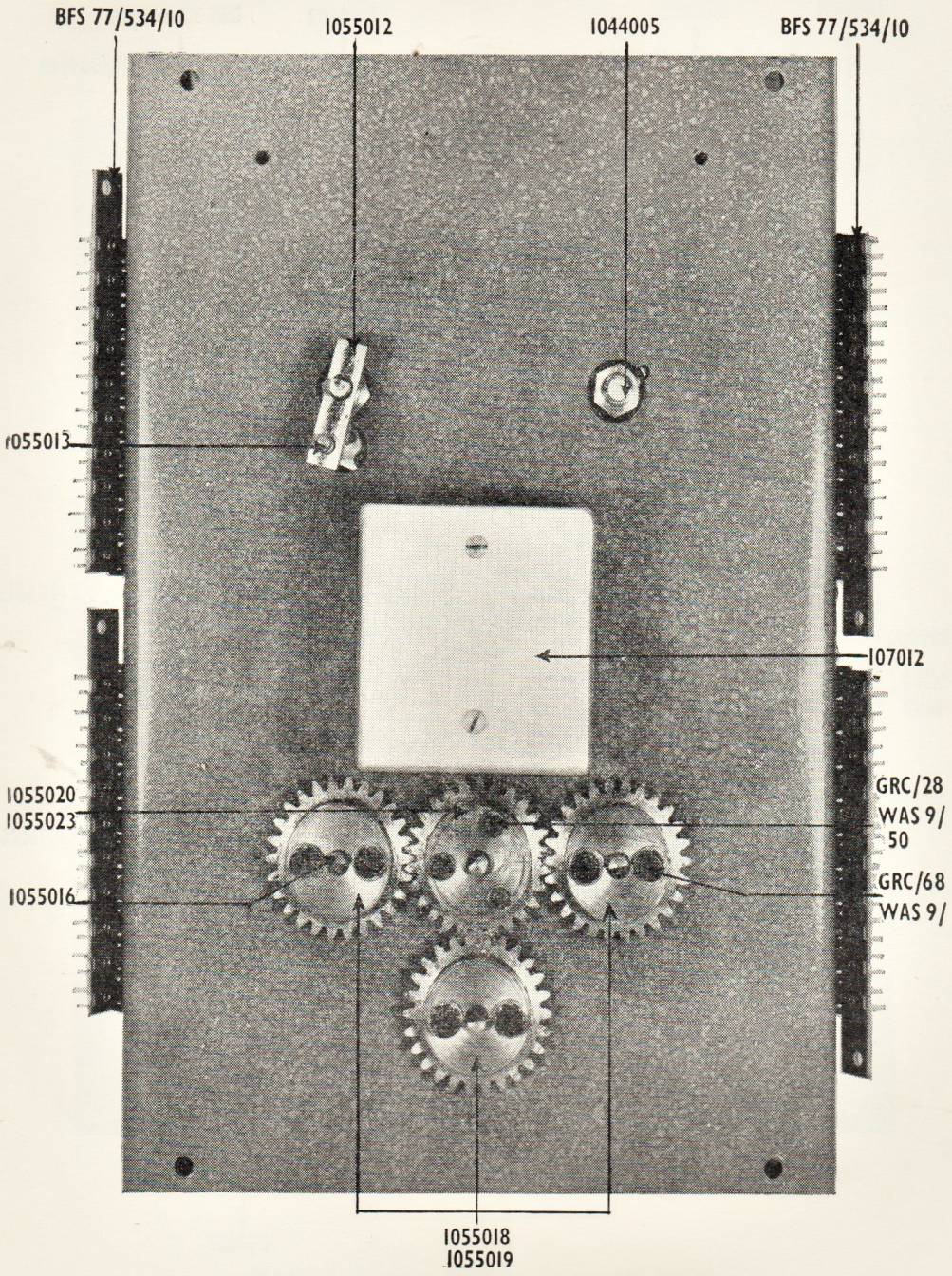


FIGURE 7. SPARE PARTS. CHASSIS (REAR)

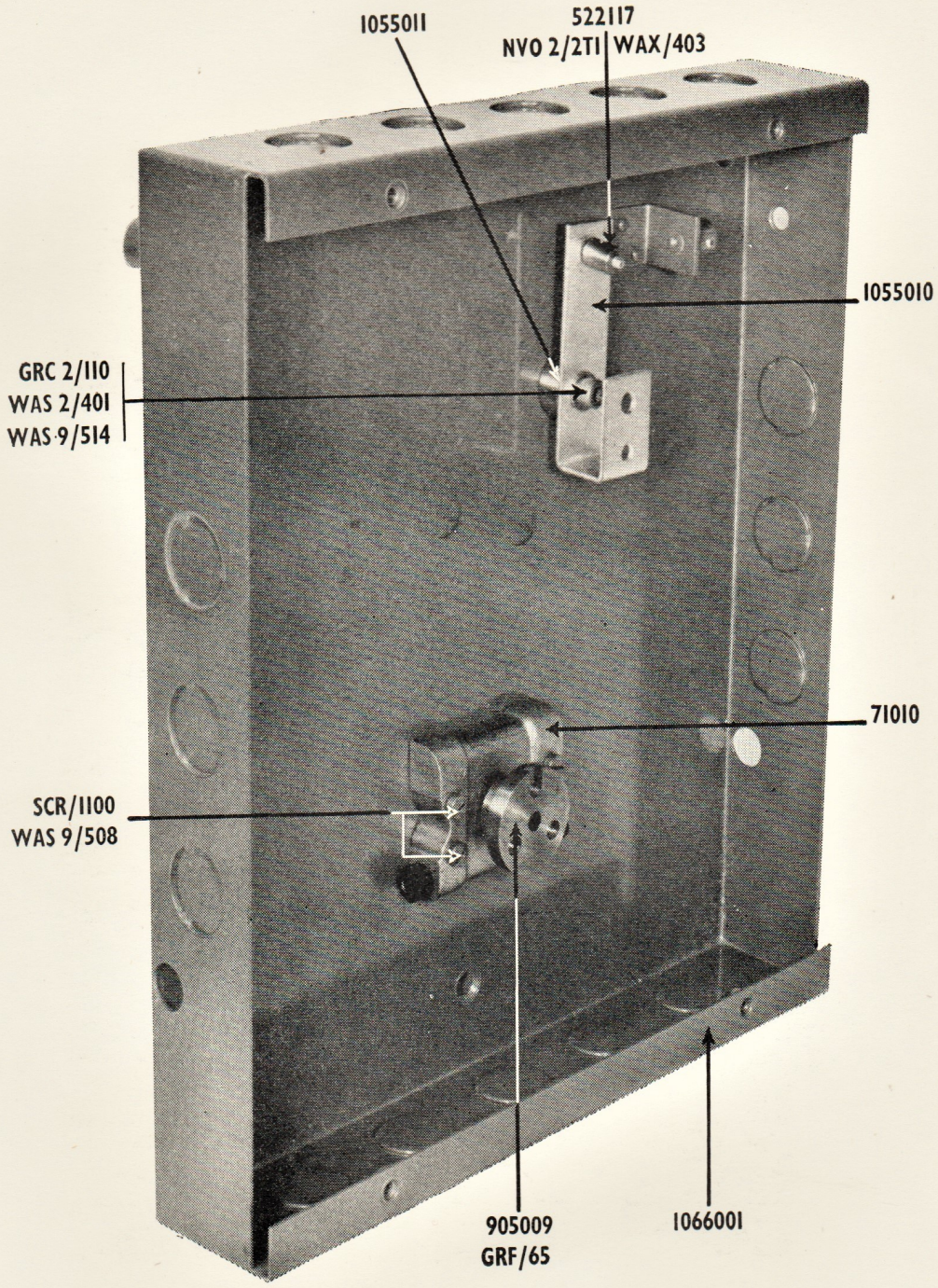


FIGURE 8. SPARE PARTS. BACK TRAY

Note: 71010 and associated parts supply only with 1079000 kit of parts.

(Optional. See page AT 1066/1)