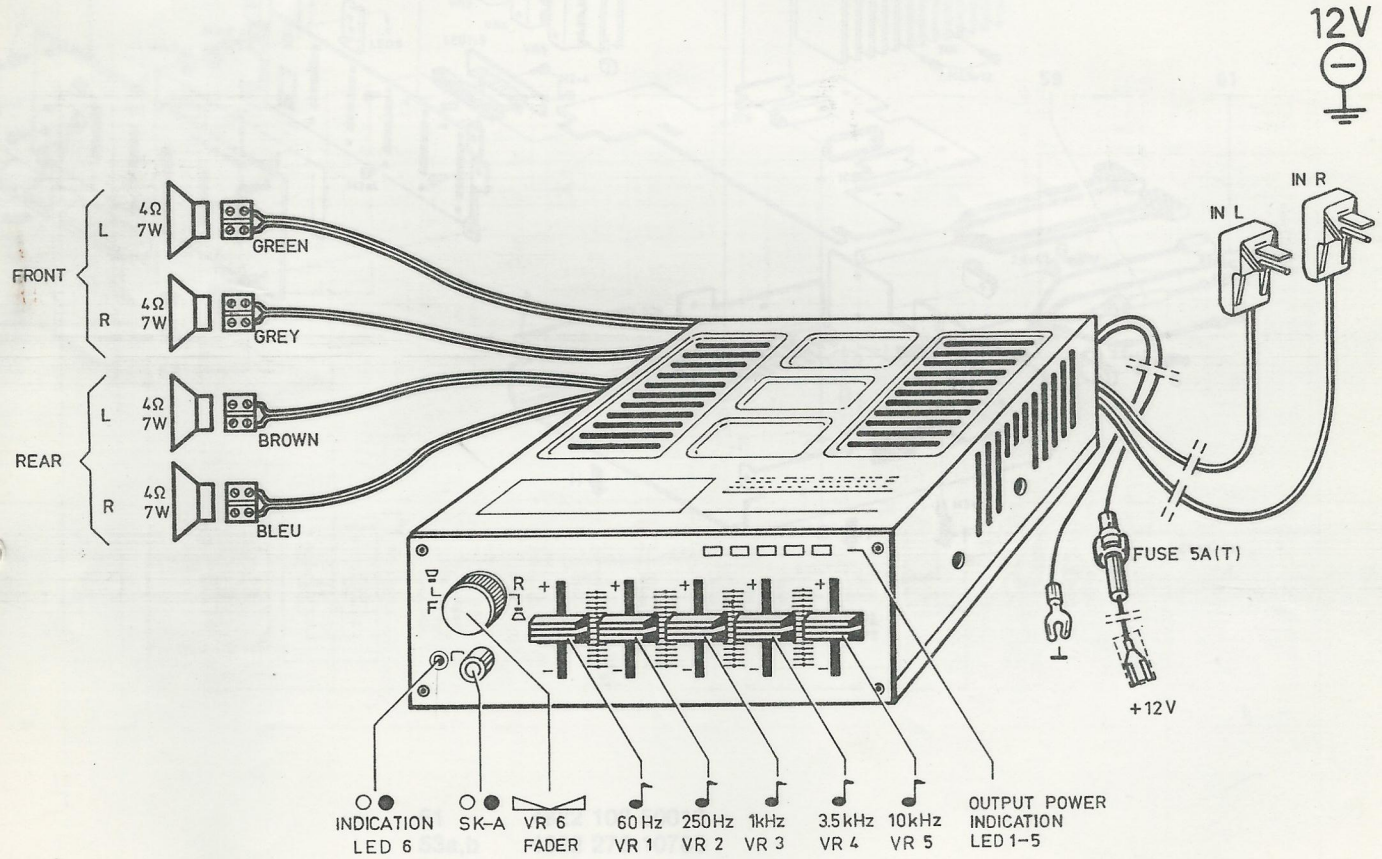
Service
Service
Service

Service Manual



165x140x50

27 454 C12

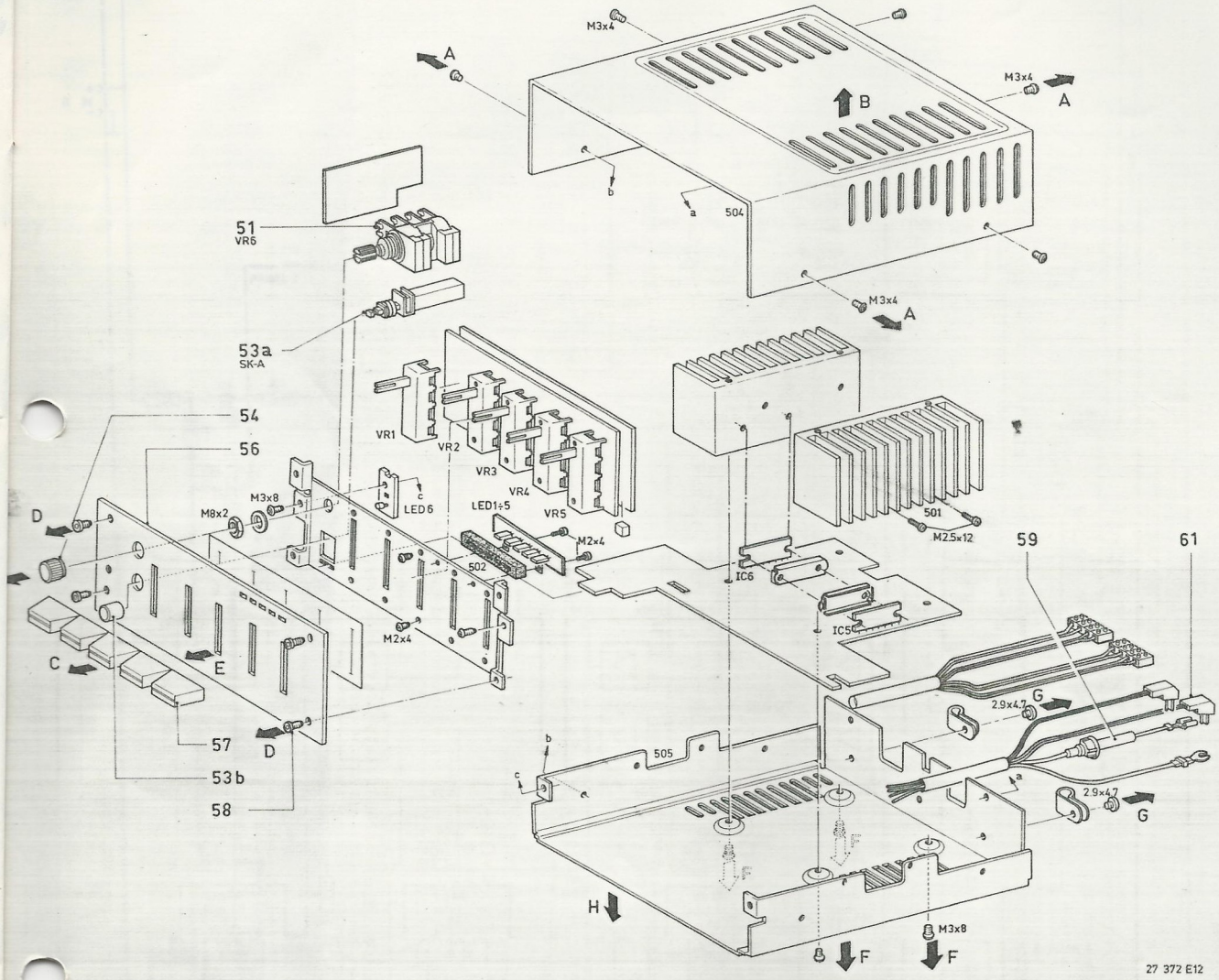
Documentation Technique Service Dokumentation Documentazione di Servizio Huolte-Ohje Manual de Servicio Manual de Serviço

Subject to modification

4822 725 14735

Printed in The Netherlands

PHILIPS



51	4822 102 50018
53a,b	4822 276 10783
54	4822 413 30871
56	4822 459 80158
57	4822 411 60811
58	4822 502 11568
59	4822 321 20334
61	4822 267 40235

0.2 W (CR16)	≤ 220 kΩ	5%
	> 270 kΩ	10%
0.33 W (CR25)	≤ 1 MΩ	5%
	> 1 MΩ	10%
0.33 W (SFR25)		5%
0.25 W (VR25)	≤ 10 MΩ	5%
	> 10 MΩ	10%
0.5 W (CR37)	≤ 1 MΩ	5%
	> 1 MΩ	10%
0.67 W (CR52)		5%
1.15 W (CR68)		5%

ΔΔ*	Ceramic plate
●●*	Polyester flat foil
□*	Polyester mepolesco
○□	Mylar (Polyester flat foil small sized)
○Δ*	Micropoco
■Δ*	Tubular ceramic (body colour pink or yellow/green)
○*	Miniature single elco
○○*	Subminiature tantalum cap.

*a	= 2,5 V
b	= 4 V
c	= 6,3 V
d	= 10 V
e	= 16 V
f	= 25 V
g	= 40 V
h	= 63 V
j	= 100 V
l	= 125 V
m	= 150 V
n	= 160 V
q	= 200 V
r	= 250 V
s	= 300 V
t	= 350 V
u	= 400 V
v	= 500 V
w	= 630 V
x	= 1000 V
A	= 1,6 V
B	= 6 V
C	= 12 V
D	= 15 V
E	= 20 V
F	= 35 V
G	= 50 V
H	= 75 V
I	= 80 V

27037A/B

D1,2	1N60	4822 130 31012
D4	1N4001	4822 130 31438
LED1÷5	LT-3251Y	4822 130 31616
LED6	LT-251Y	4822 130 31385

IC1,2,3	LM324N	4822 209 80587
IC4	SN16889P	4822 209 80557
IC5,6	TA7227P	4822 209 80684

VR1÷5	20 kΩ x 2	4822 105 10354
VR6	200 Ω x 4 (FADER)	4822 102 50018
R49	5 MΩ - 0.33 W	4822 110 72203

C3,6	4.7 μF - 10 V	tantal	5322 124 14064
C4,5, C19,20	22 nF	myler	4822 121 40513
C7,10	1 μF - 10 V	tantal	5322 124 14021
C8,9	6.8 nF	myler	4822 122 31264
C11,14	0.22 μF - 10 V	tantal	4822 124 10312
C12,13	2.2 nF	myler	4822 122 31263
C15,18	68 nF	myler	4822 121 41156
C26,27	10 μF - 10 V	tantal	5322 124 14108
C29,40	1 nF	myler	4822 121 41274
C30,34, C41,45	10 nF	myler	4822 121 41474
C35,38, C46,49	220 nF	myler	4822 121 41523

-Miscellaneous-

F1	Fuse 5A (T) 20 mm	4822 253 30029
T1	0.22 μH	4822 152 20511

In production apparatus with serial number

22AP140/15 00001 up to 10001
22AP140/18 0001 up to 1001

the following changes should be applied:

- C30, 34, 41 and 45 (47 nF) to be changed to 10 nF mylar (4822 121 41474).
  Reason of change:
  To improve stability.
- The two red leads, labelled (!) in the circuit diagrams, should be interrupted and then connected crosswise.
  After this, the leads should be insulated.
  Reason of change:
  The speaker signals are in phase opposition when the booster is switched on/off.

| MISC | | |

| MISC | | |