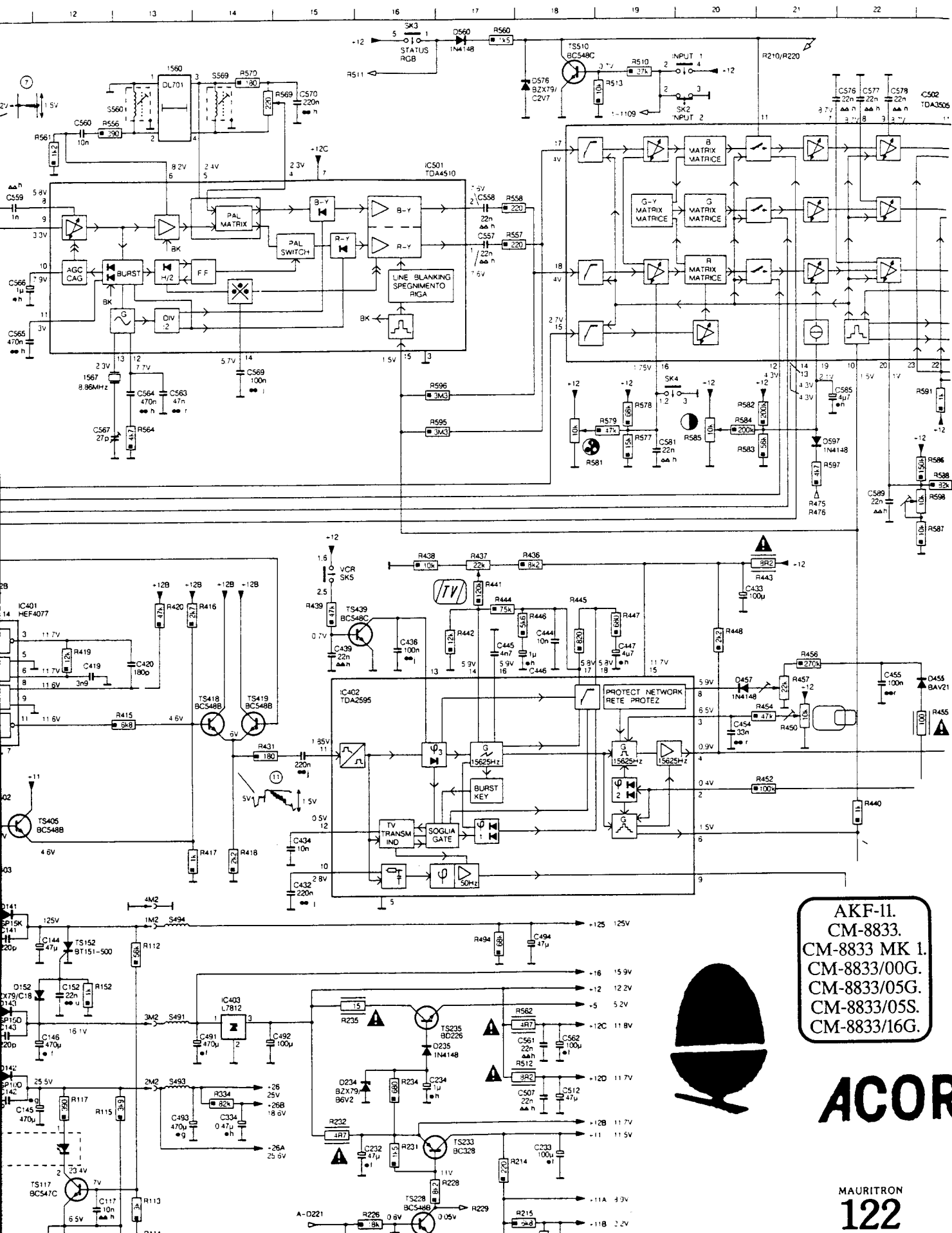




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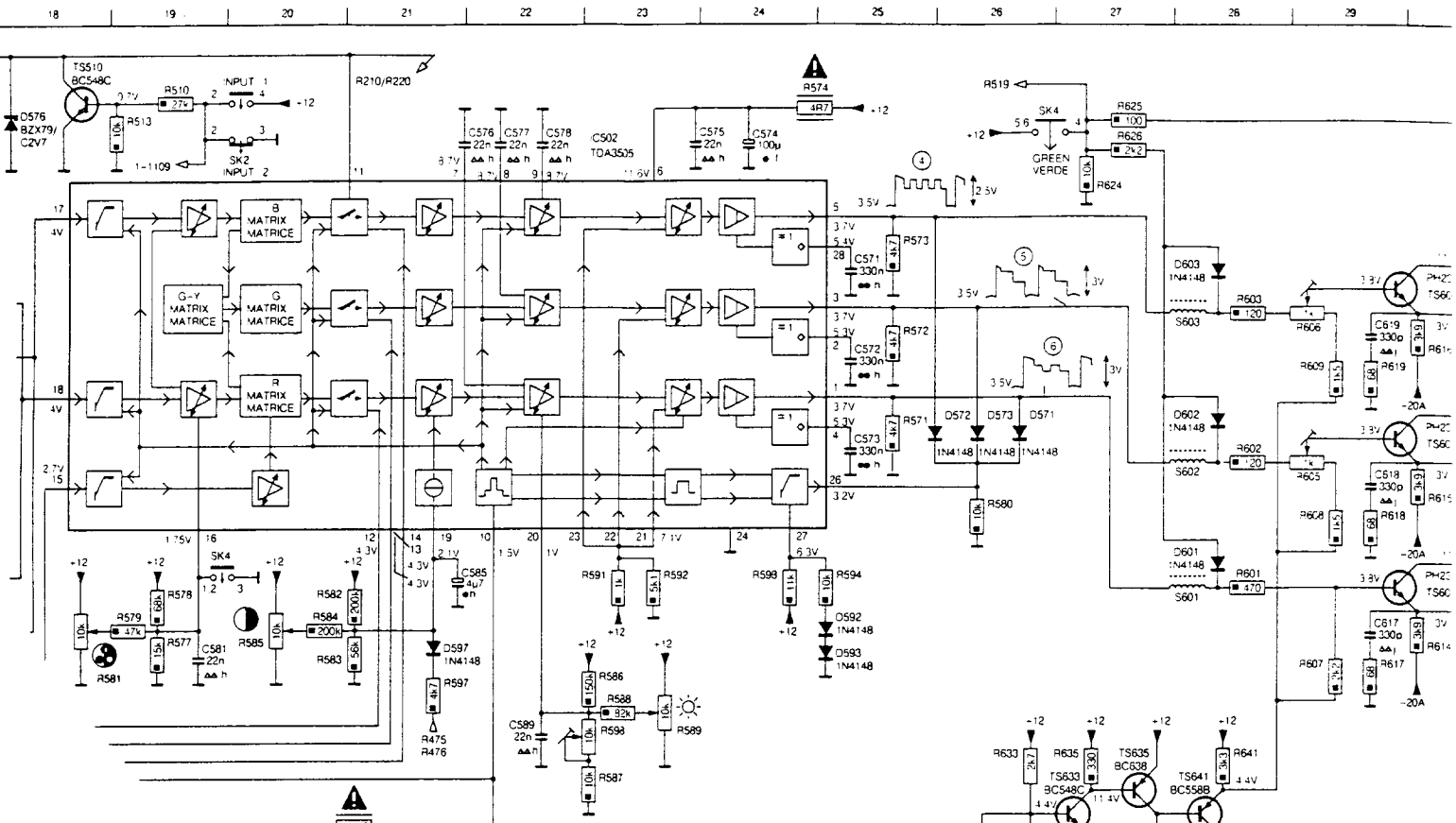


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CM-8833/00G.  
CM-8833/05G.  
CM-8833/05S.  
CM-8833/16G.



# ACORN

MAURITRON  
122

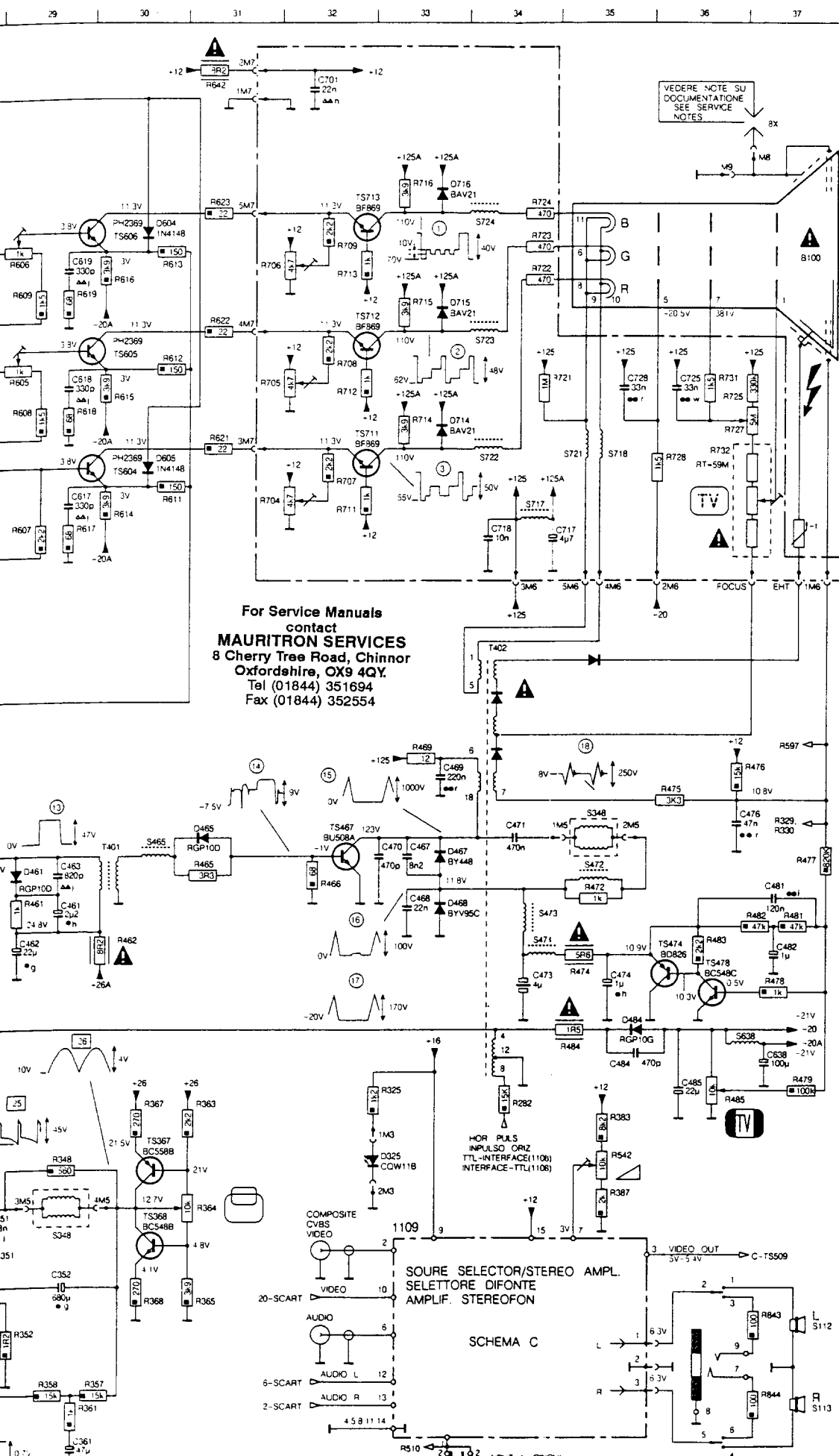


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**AKF-11.**  
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1108	G 4	D115	O12	R387	M35	R633	F28
1109	M33	D121	M9	R402	J11	R634	G27
1560	A13	D125	N 7	R403	K11	R635	F27
1567	E12	D126	N 7	R406	J 9	R636	F27
C102	L 3	D127	M 7	R408	J 1	R641	F28
C103	L 4	D128	M 7	R409	J 2	R642	A31
C104	L 4	D129	L 7	R411	J 1	R704	E31
C105	M 4	D131	L 9	R412	G 9	R705	O31
C107	K 6	D141	K11	R413	G10	R706	C31
C108	L 6	D142	M11	R414	H10	R707	E32
C109	K 5	D143	L 11	R415	I 13	R708	O32
C110	L 5	D152	L11	R416	G14	R709	C32
C111	L 6	D221	I 3	R417	J14	R711	E32
C112	L 6	D222	I 3	R418	J14	R712	O32
C116	O11	D223	I 2	R419	H12	R713	C32
C117	O12	D234	M15	R420	G13	R714	O33
C122	O 3	D235	M17	R431	I14	R715	B33
C124	N 9	D325	L33	R432	M2	R716	C33
C129	L 9	D333	L22	R433	M2	R721	O35
C131	L 9	D337	N25	R436	G18	R722	C34
C132	L10	D346	K28	R437	G17	R723	B34
C141	K11	D412	H 9	R438	G16	R724	B34
C142	M11	D433	M22	R439	G15	R725	C34
C143	L11	D455	M23	R440	J22	R727	E36
C144	K12	D457	H20	R441	G17	R728	E36
C145	M1	D461	I29	R442	H17	R731	O36
C146	M12	D465	I31	R443	G21	R732	E36
C152	L12	D467	I33	R444	G17	R843	C37
C158	E10	D576	O13	R444	J21	S138	L10
C205	E 3	D484	K35	R446	H18	S102	L 3
C206	F 3	D500	A17	R447	H19	S104	M 5
C214	O17	D571	C26	R448	H20	S112	N37
C216	O18	D572	C26	R450	I21	S113	O37
C217	D10	D573	C26	R451	I21	S113	L 9
C218	E10	D576	O13	R444	J21	S138	L10
C219	F10	D592	E25	R454	I21	S348	M29
C225	O18	D593	E25	R455	I23	S348	I35
C232	N18	D597	E21	R456	M21	S465	L10
C233	N18	D601	E28	R457	M21	S472	I35
C234	M17	D602	C29	R458	G17	S473	J34
C235	L24	D603	B28	R462	J30	S474	C34
C236	N14	D604	B30	R465	I31	S491	L13
C238	O25	D605	E30	R466	I32	S493	M13
C341	O25	D714	O33	R469	H33	S494	K13
C345	L26	D715	C33	R472	I35	S533	C 8
C346	H13	D716	B34	R474	K17	S533	B 8
C347	L28	I C101	N10	R475	H06	S555	A 9
C351	M28	I C302	L23	R476	H37	S560	A1
C352	M29	I C401	G11	R477	I37	S569	A14
C356	O28	I C402	H15	R478	J37	S601	E28
C381	O29	I C403	L14	R479	K37	S602	O28
C401	J11	I C501	B17	R481	J37	S603	C38
C411	J 2	I C502	A23	R482	J37	S638	K36
C412	H 9	R103	L 4	R483	J36	S718	E35
C414	H10	R104	M 4	R484	K35	S721	E35
C419	H12	R112	L13	R485	L36	S722	E34
C420	H13	R113	O13	R484	K17	S723	O34
C432	K15	R114	O13	R502	D 2	S724	B34
C433	G20	R115	N12	R506	B 3	SK1	K 2
C434	J15	R116	O12	R507	A 2	SK2	A20
C436	H16	R117	M12	R508	B 3	SK3	A16
C439	H15	R121	K 9	R510	A19	SK4	E19
C443	M22	R122	O 8	R511	C 2	SK5	G15
C444	H18	R125	N 8	R512	M18	T101	K11
C445	H17	R126	N 7	R513	A19	T401	I30
C446	H18	R127	M 8	R514	B 4	T402	G34
C447	H19	R128	M 8	R515	B 4	TS117	N12
C448	I 27	R129	L 8	R516	B 4	TS121	M 8
C454	I20	R136	K10	R519	C 6	TS132	L 9
C455	H22	R152	L12	R520	C 5	TS152	K12
C461	J29	R201	E 3	R529	A 7	TS211	D 4
C462	J29	R202	F 3	R532	B 7	TS212	E 4
C463	J29	R203	F 3	R534	B 8	TS213	F 4
C464	I 28	R204	E 3	R535	B 9	TS217	D 5
C467	I33	R205	F 3	R536	C 9	TS218	E 6
C468	I33	R206	F 3	R538	C10	TS219	F 5
C469	H33	R207	E 4	R541	C10	TS228	O16
C470	I33	R208	F 4	R542	L35	TS233	M17
C471	I34	R209	F 4	R543	B 5	TS235	M17
C473	J34	R210	O 2	R553	B 8	TS238	N27
C474	J35	R211	O 5	R554	A 8	TS367	L30
C476	J37	R212	E 6	R556	B12	TS368	M30
C481	I37	R213</					

# PHILIPS

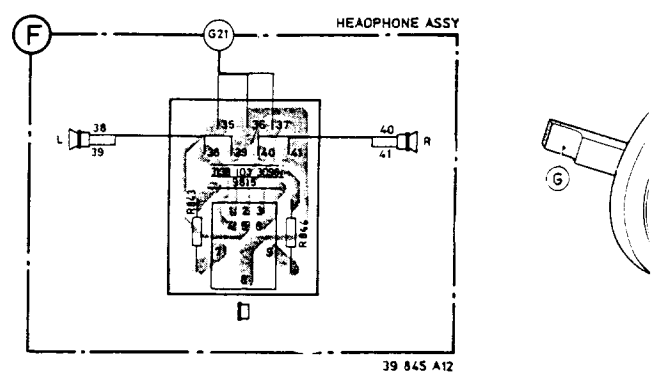
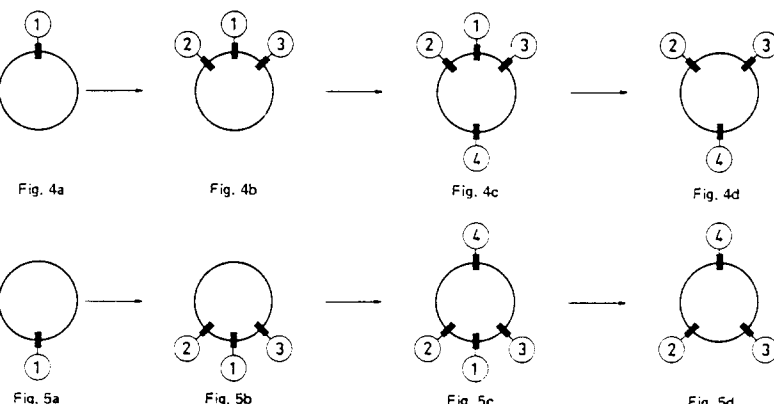
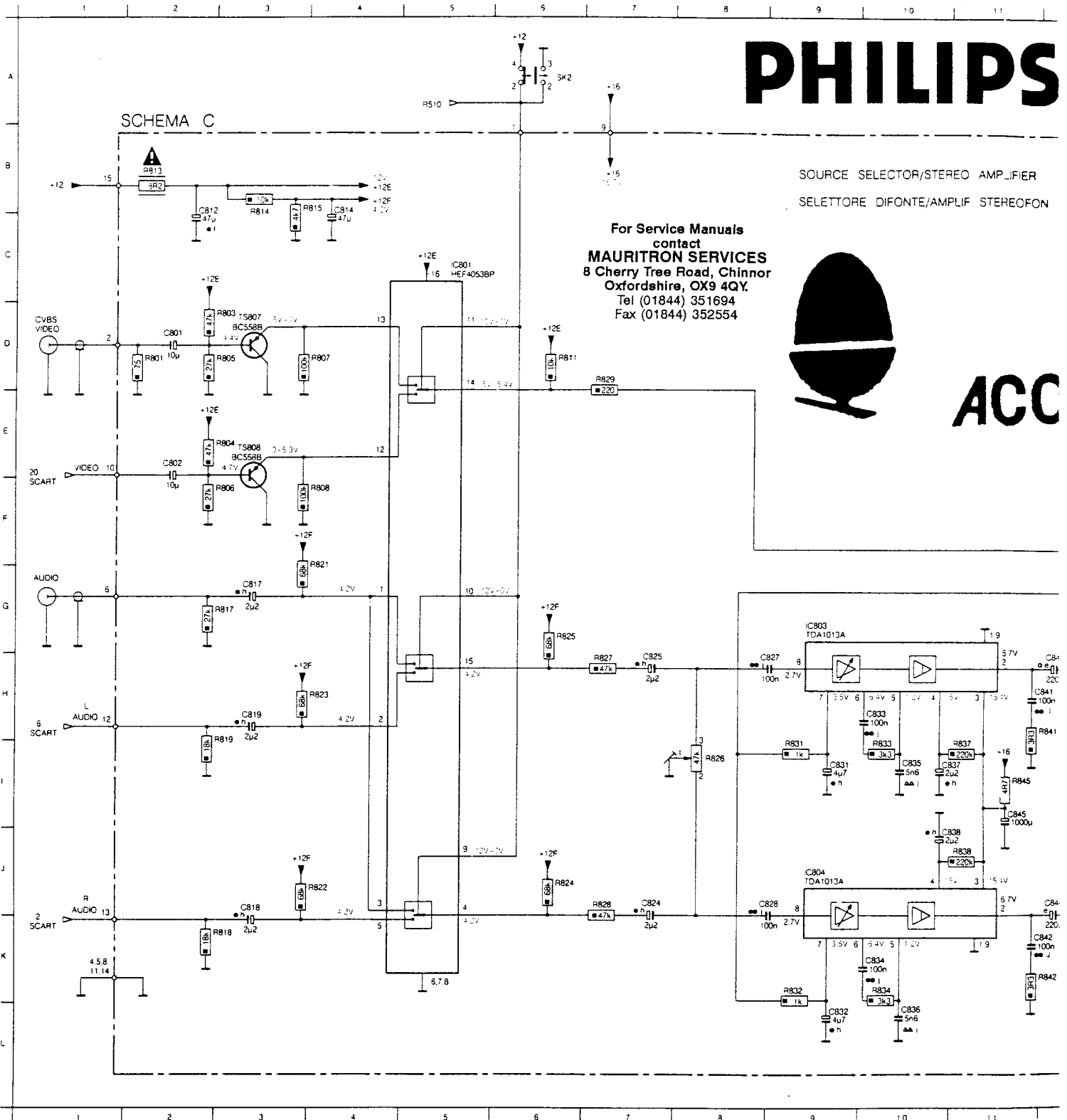
## SCHEMA C

SOURCE SELECTOR/STEREO AMPLIFIER  
SELETTORE DIFONTE/AMPLIF STEREOFON

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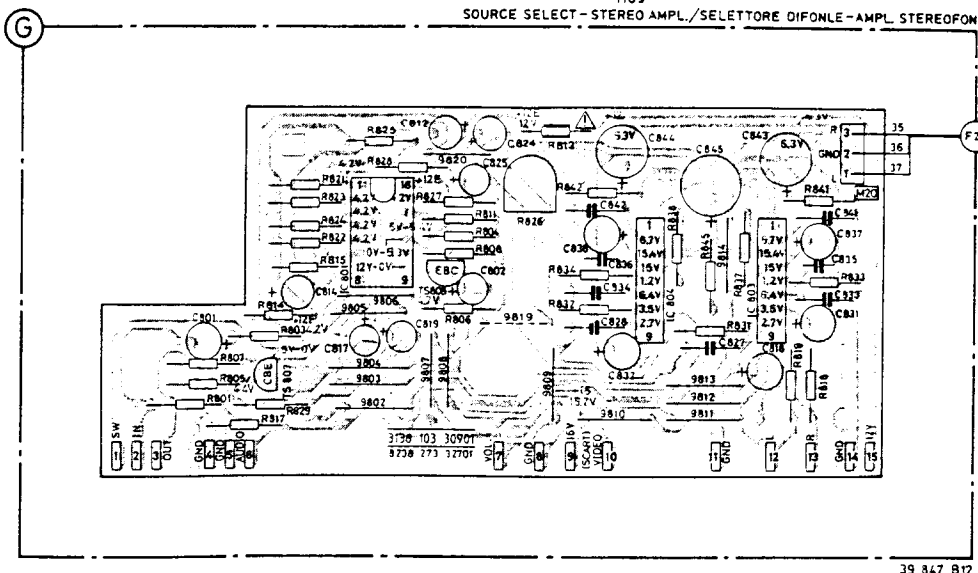


# LIPS

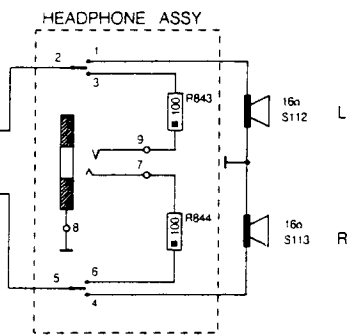
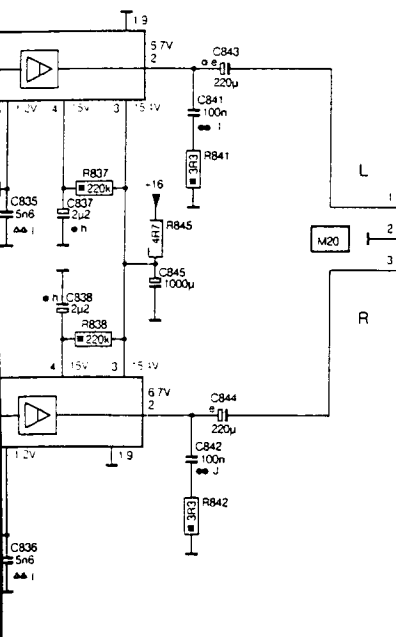
TOR/STEREO AMPLIFIER  
ONTE/AMPLIF STEREOFON

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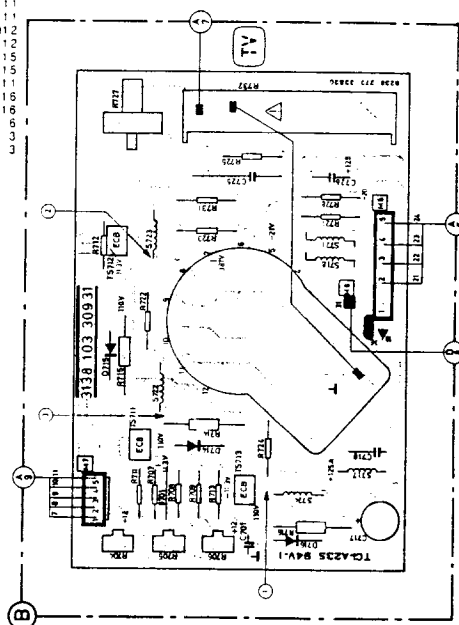
AKF-11.  
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CM-8833/05S.  
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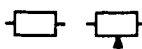
- |       |     |       |     |
|-------|-----|-------|-----|
| C801  | D 2 | R834  | K10 |
| C802  | E 2 | R837  | I11 |
| C812  | B 2 | R838  | J11 |
| C814  | B 4 | R841  | H12 |
| C817  | G 3 | R842  | K12 |
| C818  | J 3 | R843  | I15 |
| C819  | H 3 | R844  | J15 |
| C824  | J 7 | R845  | I11 |
| C825  | H 7 | S112  | I15 |
| C827  | H 9 | S113  | J15 |
| C828  | J 9 | SK2   | A 5 |
| C831  | I 9 | TS807 | D 3 |
| C832  | L 9 | TS808 | E 3 |
| C837  | I11 |       |     |
| C838  | J11 |       |     |
| C842  | K12 |       |     |
| C843  | H12 |       |     |
| C844  | J12 |       |     |
| C845  | I11 |       |     |
| IC801 | C 5 |       |     |
| IC803 | G 9 |       |     |
| IC804 | J 9 |       |     |
| R801  | D 2 |       |     |
| R803  | D 3 |       |     |
| R804  | E 3 |       |     |
| R805  | D 3 |       |     |
| R806  | F 3 |       |     |
| R807  | D 4 |       |     |
| R808  |     |       |     |
| R811  | D 6 |       |     |
| R813  | B 2 |       |     |
| R814  | B 3 |       |     |
| R815  | B 4 |       |     |
| R817  | G 3 |       |     |
| R818  | K 3 |       |     |
| R819  | H 3 |       |     |
| R821  | F 4 |       |     |
| R822  | J 4 |       |     |
| R823  | H 4 |       |     |
| R824  | J 6 |       |     |
| R825  | G 6 |       |     |
| R826  | I 8 |       |     |
| R827  | H 7 |       |     |
| R828  | J 7 |       |     |
| R829  | D 7 |       |     |
| R831  | I 9 |       |     |
| R832  | K 9 |       |     |
| R833  | I10 |       |     |



Source selector/stereo amplifier 4822 212 22609



C801	10 $\mu$ F - 50 V	4822 124 40435
C802	10 $\mu$ F - 50 V	4822 124 40435
C814	47 $\mu$ F - 16 V	4822 124 22056
C845	1000 $\mu$ F - 25 V	4822 124 22016

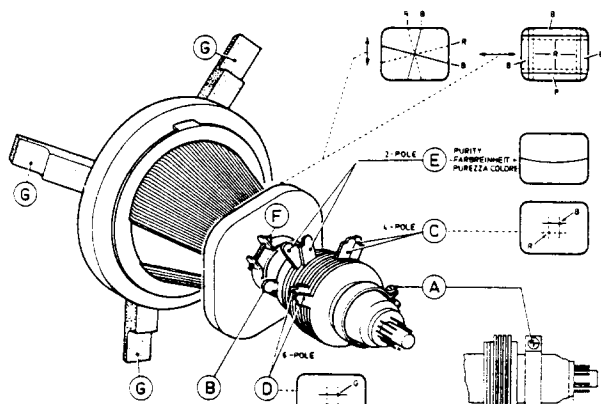


R813	8,2 $\Omega$ - safety	4822 111 30506
R826	47 k $\Omega$ - potm	4822 100 10079
R845	4,7 $\Omega$ - 1 W	4822 116 53662



HEF4053BP 5322 209 10576

ASSY





# PHILIPS

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# ACORN

## △ ADJUSTING THE PICTURE

### Remark:

The colour purity and convergence adjustments described hereafter need only be carried out if a completely new adjustment is called for or if a new picture tube has been fitted. Otherwise, for instance after replacing the deflection unit, it will not be necessary to remove the rubber wedges (G in Fig. 3). Corrections by means of the multi-pole unit will then suffice.

### I. Colour purity, see Fig. 3

- Loosen fixing screw "F" of the deflection unit a few turns.
- Move the deflection unit and remove the three rubber wedges "G".
- Slide the deflection unit forward as far as possible against the glass of the picture tube cone and turn on fixing screw "F" in such a manner that the deflection unit can be moved with some friction.
- Place the multi-pole unit in the position drawn, turn on screw "A" and turn securing ring "B" anti-clockwise.
- Let the apparatus face East or West and switch-on the set.  
Supply a cross-hatch pattern and set brightness control to maximum. Allow for a warming-up time of 10 minutes.
- Adjust the static convergence, using tags "C" and "D" (if necessary, see point II).
- Turn R364 for the vertical centring to its mid-position. Switch-off the green and the blue gun by loosening the resistors R723 and R724.
- By turning the colour purity rings with tags "E", the vertical red bar is adjusted nearest to the centre of the screen, whilst also the central horizontal line should be as straight as possible.
- Supply a white pattern signal and check that the red bar is in the centre of the screen indeed. If not, switch-on the cross-hatch pattern again and move the red bar in the right direction, taking care that the picture does not move too much in vertical direction.
- Supply the white pattern signal and move the deflection unit until the whole picture surface is uniformly red.
- Switch-on the green and the blue gun. No colour patches may occur in the white picture now obtained. In the affirmative, a minor correction can be made by slightly turning the colour purity rings "E" and/or slightly moving the deflection unit.
- Turn on screw "F" tightly.
- Adjust the vertical centring with R364.
- Proceed to the static and next the dynamic convergence adjustment.

### II. Static convergence, see Fig. 3

- Supply a cross-hatch pattern and allow for a warming-up time of 10 minutes.

- Switch-off the green gun by loosening resistor R723 and turn locking ring "B" anti-clockwise.
- By turning the four-pole rings with tags "C", the red and blue cross-hatch patterns in the centre of the screen are placed on top of each other.
- Switch-on the green gun with R723 and switch-off the blue gun by loosening resistor R724.
- By turning the six-pole rings with tags "D" the red and green cross-hatch patterns in the centre of the screen are placed on top of each other.
- Switch-on the blue gun again and tighten ring "B" again.

### III. Dynamic convergence

#### Remark:

The dynamic convergence is achieved by vertical and horizontal tilting of the deflection unit. To secure the right position of the deflection unit, three rubber wedges are fitted between the glass of the picture tube cone and the deflection unit, as shown in Figs. 4d or 5d. Two wedge thicknesses are available, one 7 mm thick, code 4822 462 40356, the other 11 mm thick, code 4822 462 40357.

- First check the colour purity and the static convergence.
- Supply a cross-hatch pattern and switch-off the green gun by loosening resistor R723.
- Eliminate the crossing of the central horizontal blue and red line and the crossing of the central vertical blue and red line, by vertical tilting of the deflection unit. If the position of the deflection unit is correct, then place rubber wedge ①, paper strip not removed, at the top (Fig. 4a) or at the bottom (Fig. 5a).  
Fig. 4a is applicable if the deflection unit is tilted upwards and Fig. 5a if the unit is tilted downwards.
- By horizontal tilting of the deflection unit, now both the horizontal blue and red lines in the upper and lower halves of the picture and the vertical blue and red lines on the left and right hand side of the picture are placed on top of the other.  
If the position of the deflection is correct, then place the wedges ② and ③ with paper strips removed, as shown in Fig. 4b or 5b. Firmly press the adhesive sides of these wigs against the glass of the picture tube.

- Now place wedge ④ as shown in Fig. 4c or 5c and press on the adhesive side firmly.
- Remove wedge ① so that the situation according to Fig. 4d or 5d occurs.
- Switch-on the green gun.

