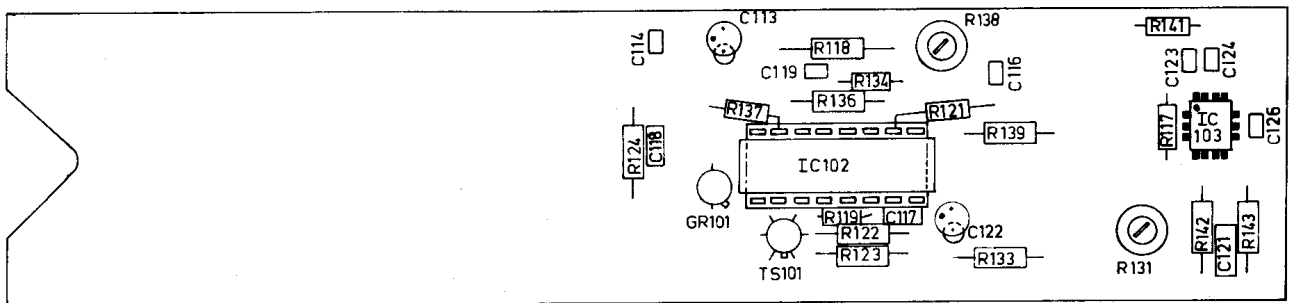
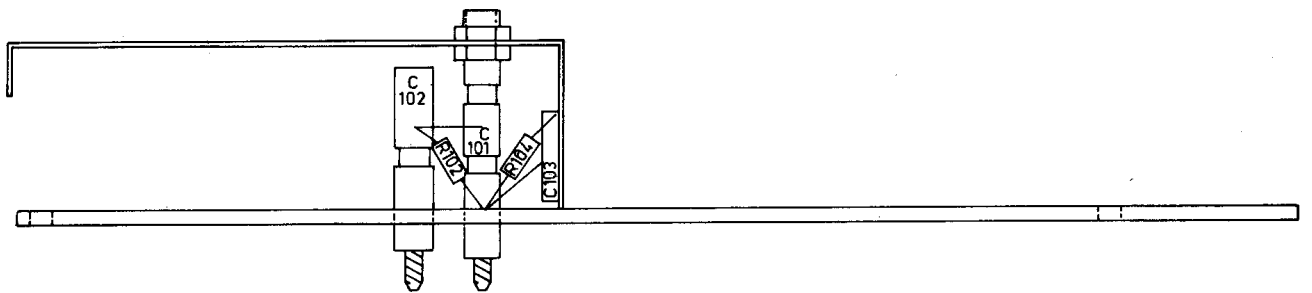
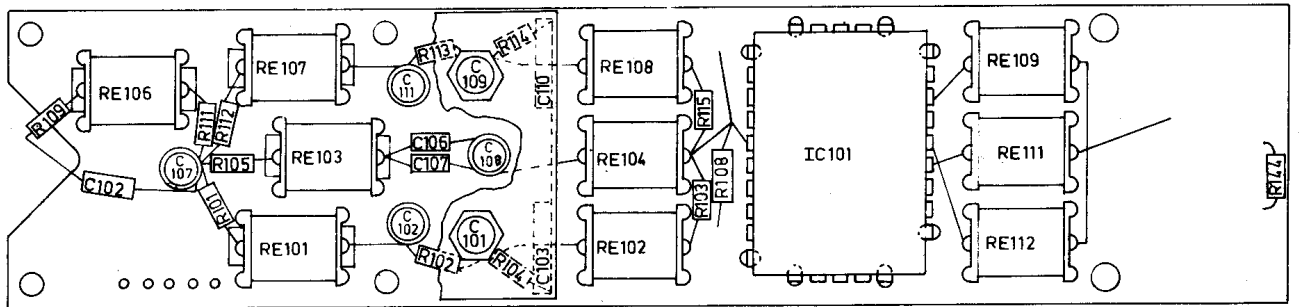
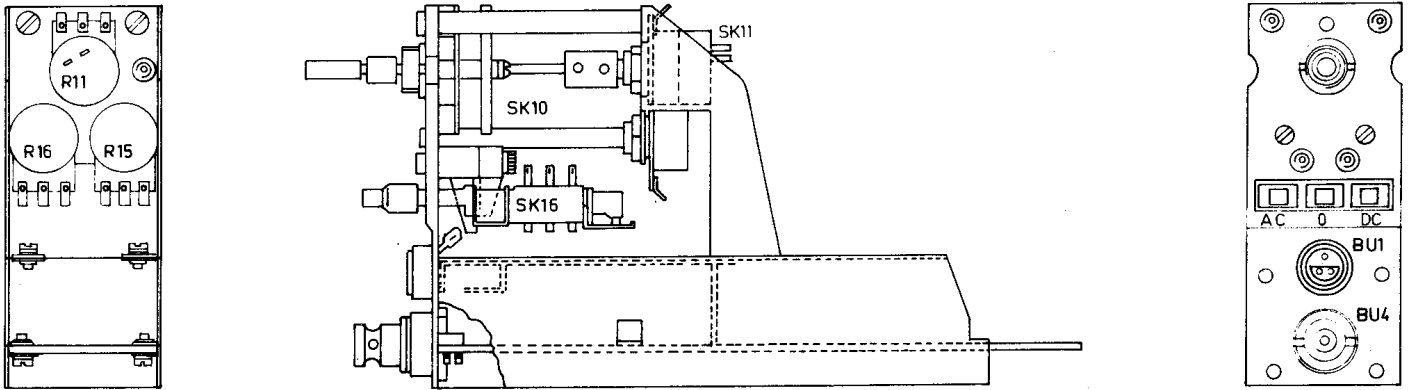


Fig. 3.26. Y Attenuator



VERTICAL ATTENUATOR (ASSEMBLY AND PRINT) PM 3265

MA 8878

Fig. 3.27. Vertical attenuator (Assembly and print)

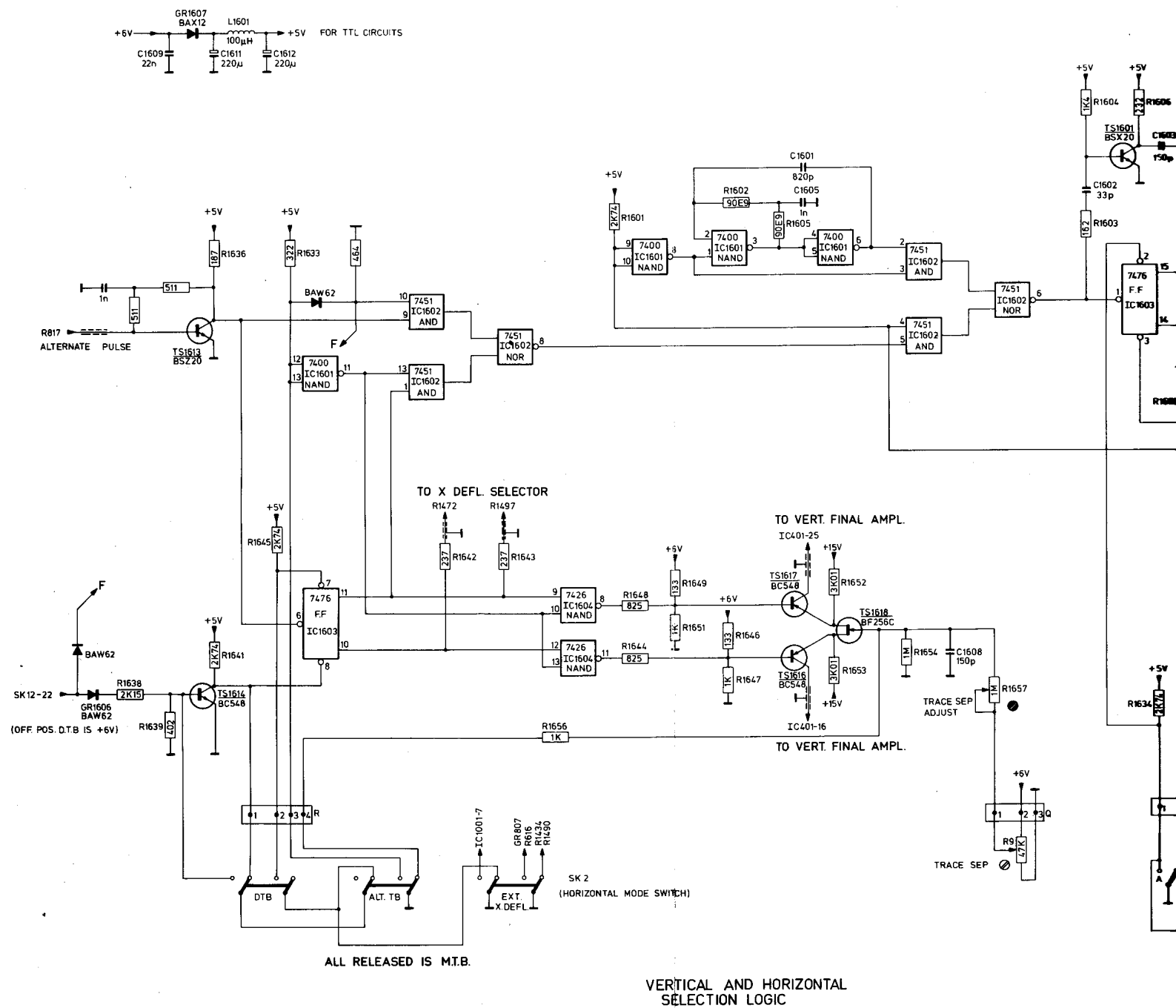
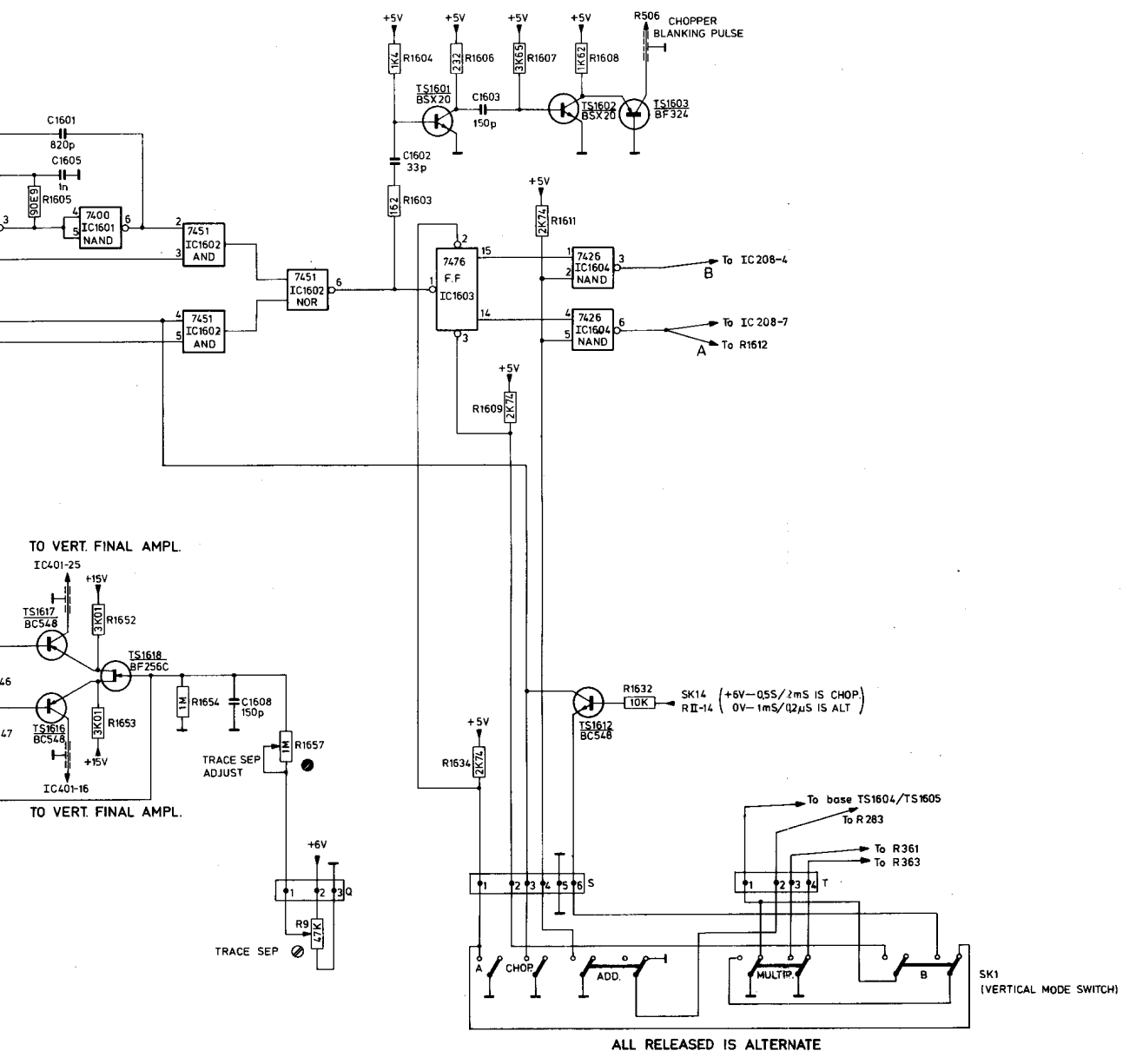


Fig. 3.28. Vertical and Horizontal selection logic



D HORIZONTAL  
LOGIC

MA 8985

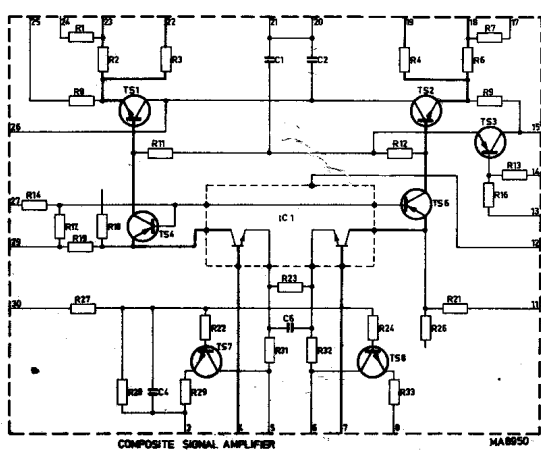
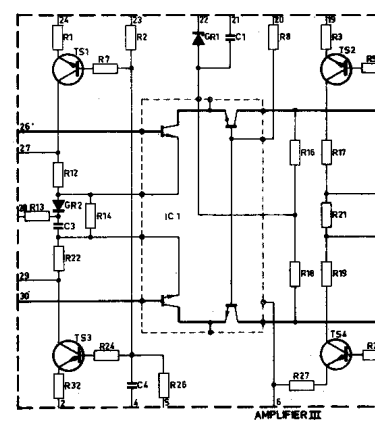
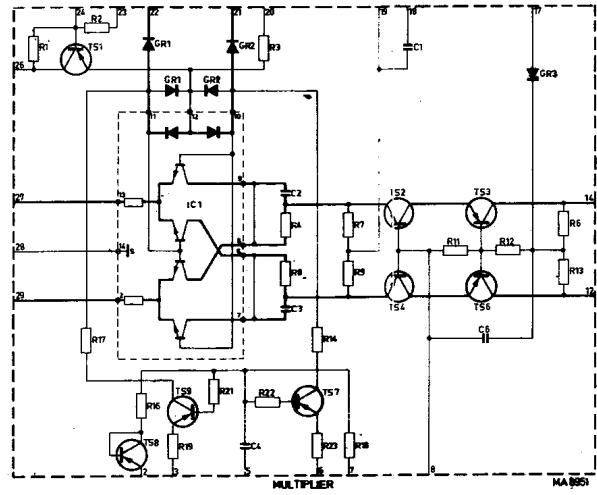
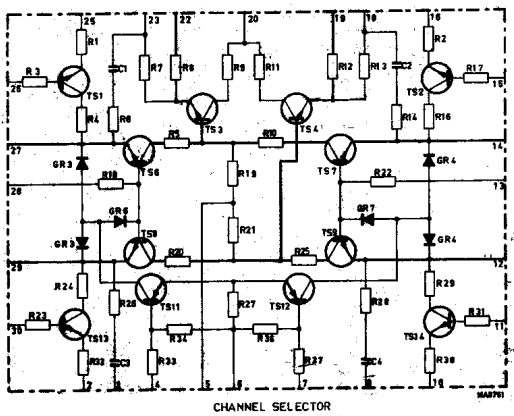
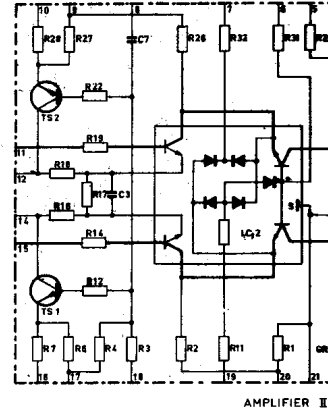
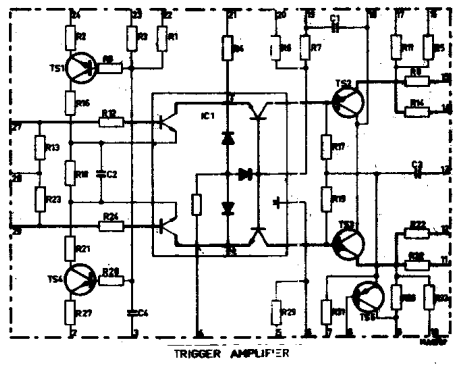
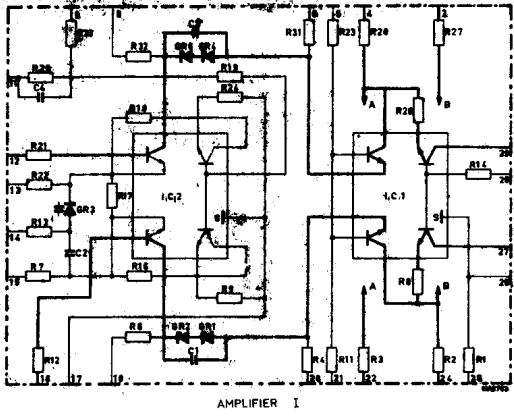
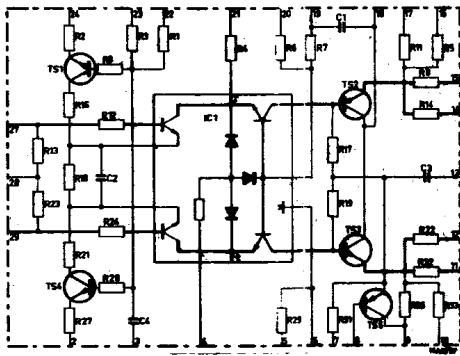
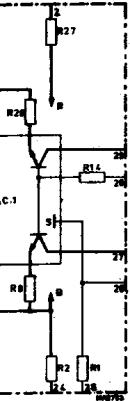
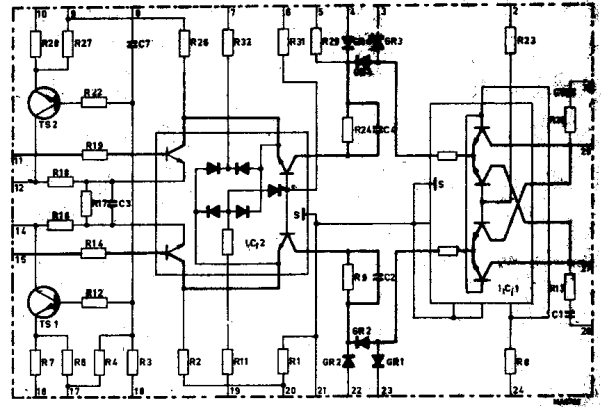


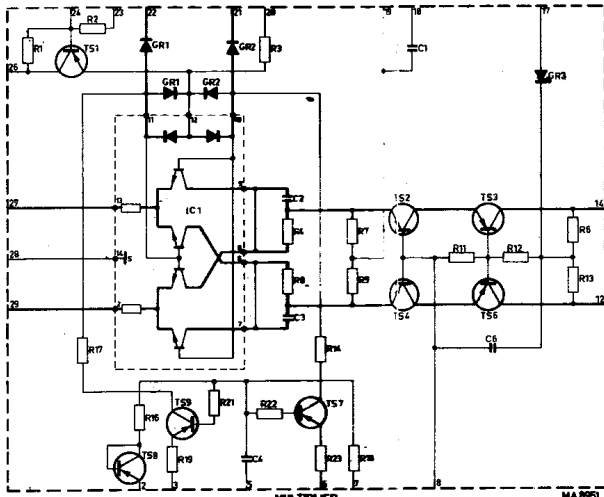
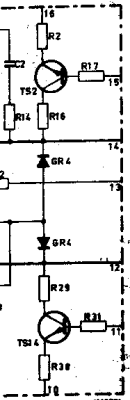
Fig. 3.29. Hybrid circuits intermediate amplifier



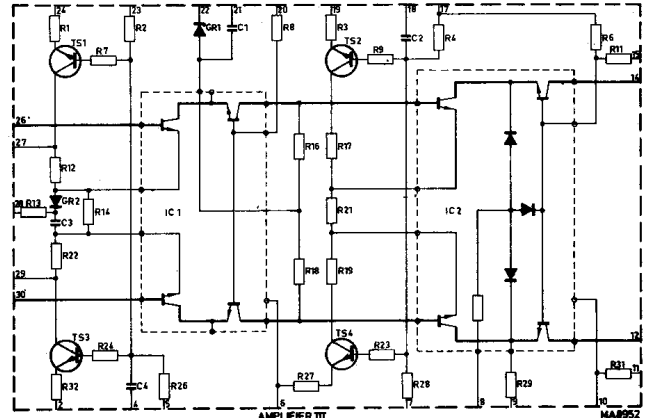
TRIGGER AMPLIFIER



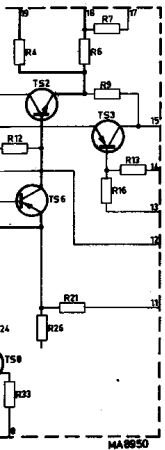
AMPLIFIER II



MULTIPLIER



AMPLIFIER III



MA8950

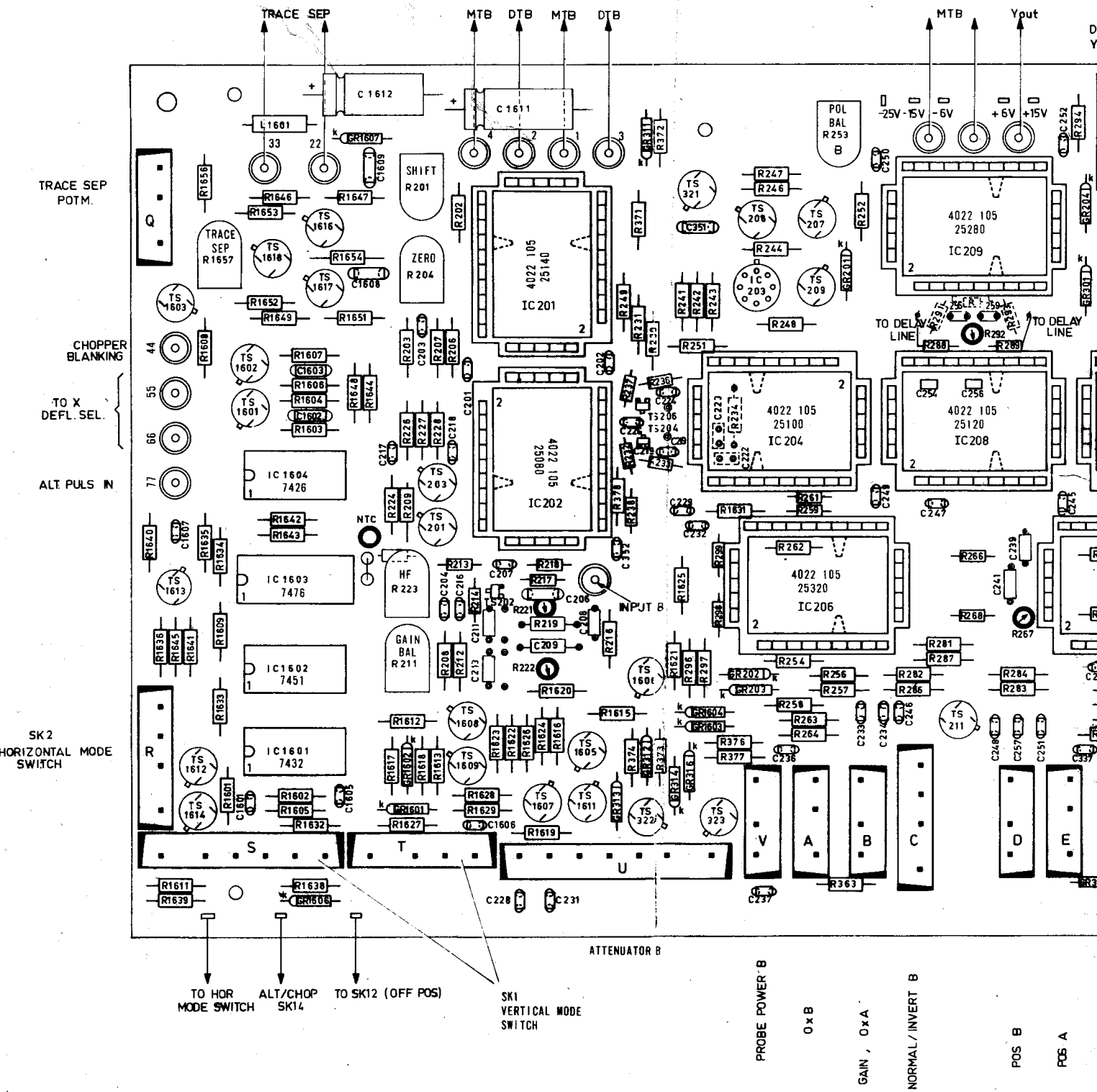
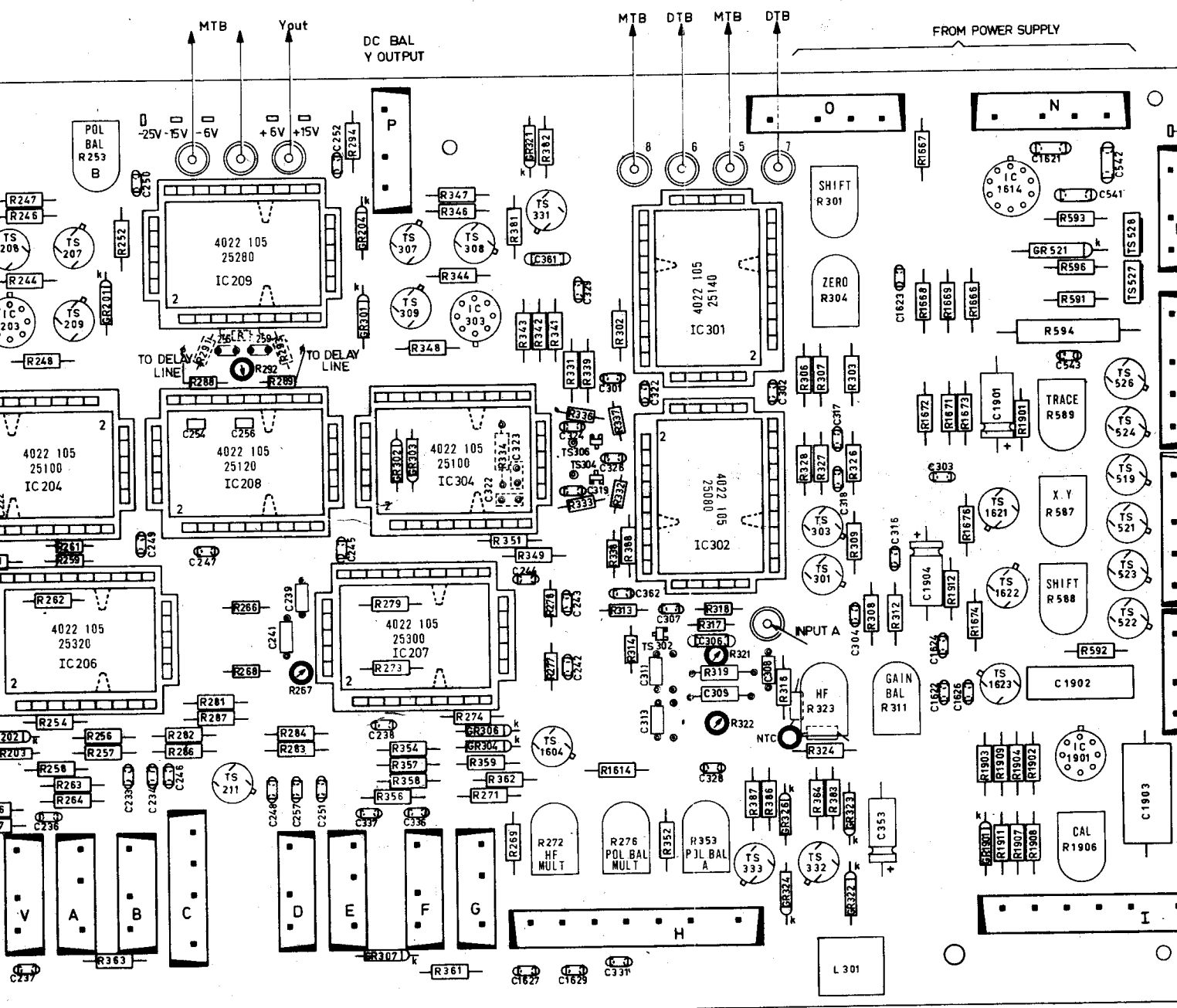


Fig. 3.30. Circuit board intermediate amplifier



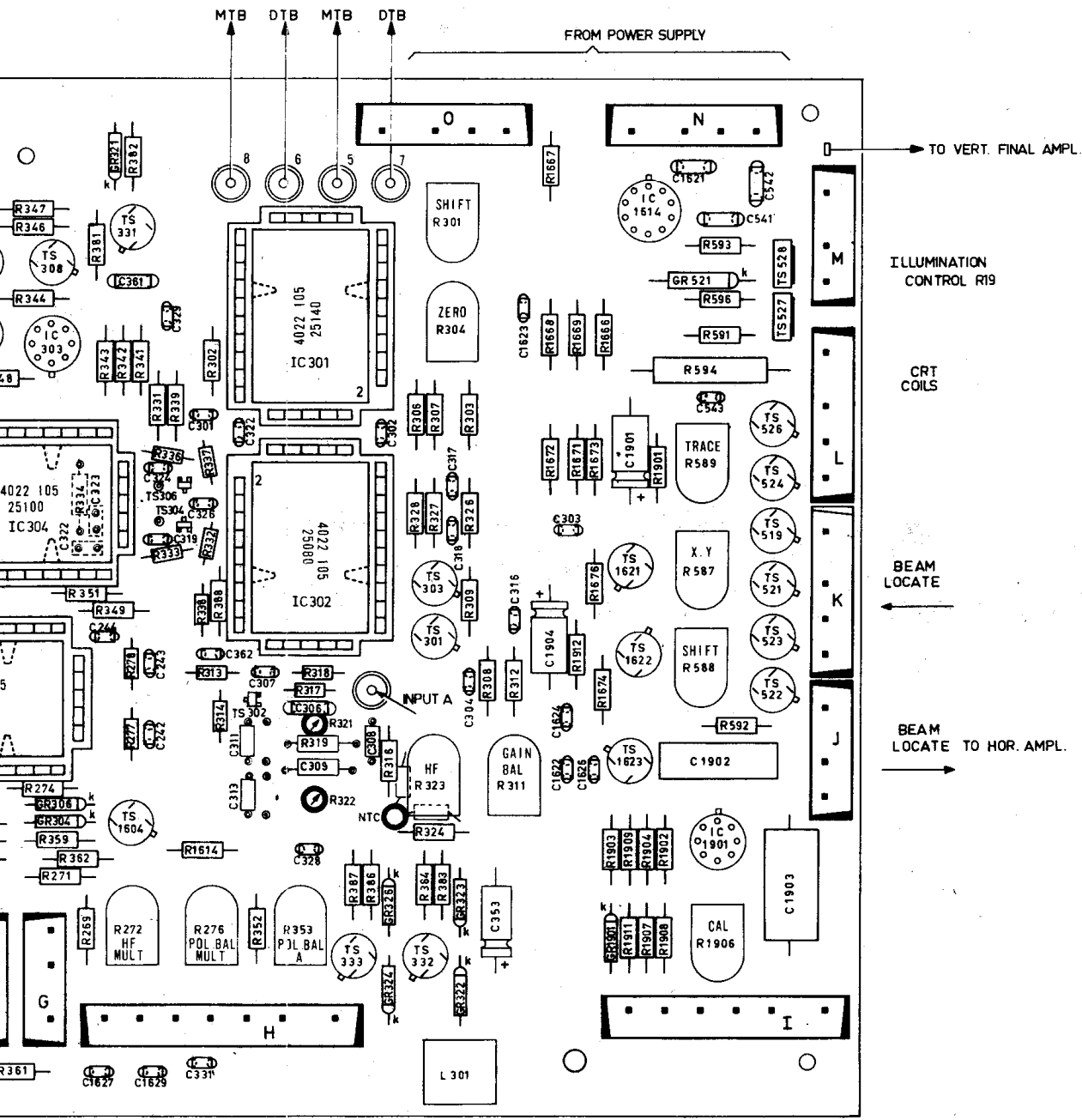
PROBE POWER B  
 O x B  
 GAIN, O x A  
 NORMAL / INVERT B  
 POS B  
 POS A  
 NORMAL / INVERT A  
 PROBE POWER A

ATTENUATOR A

INTERMEDIATE AMPLIFIER PM3265

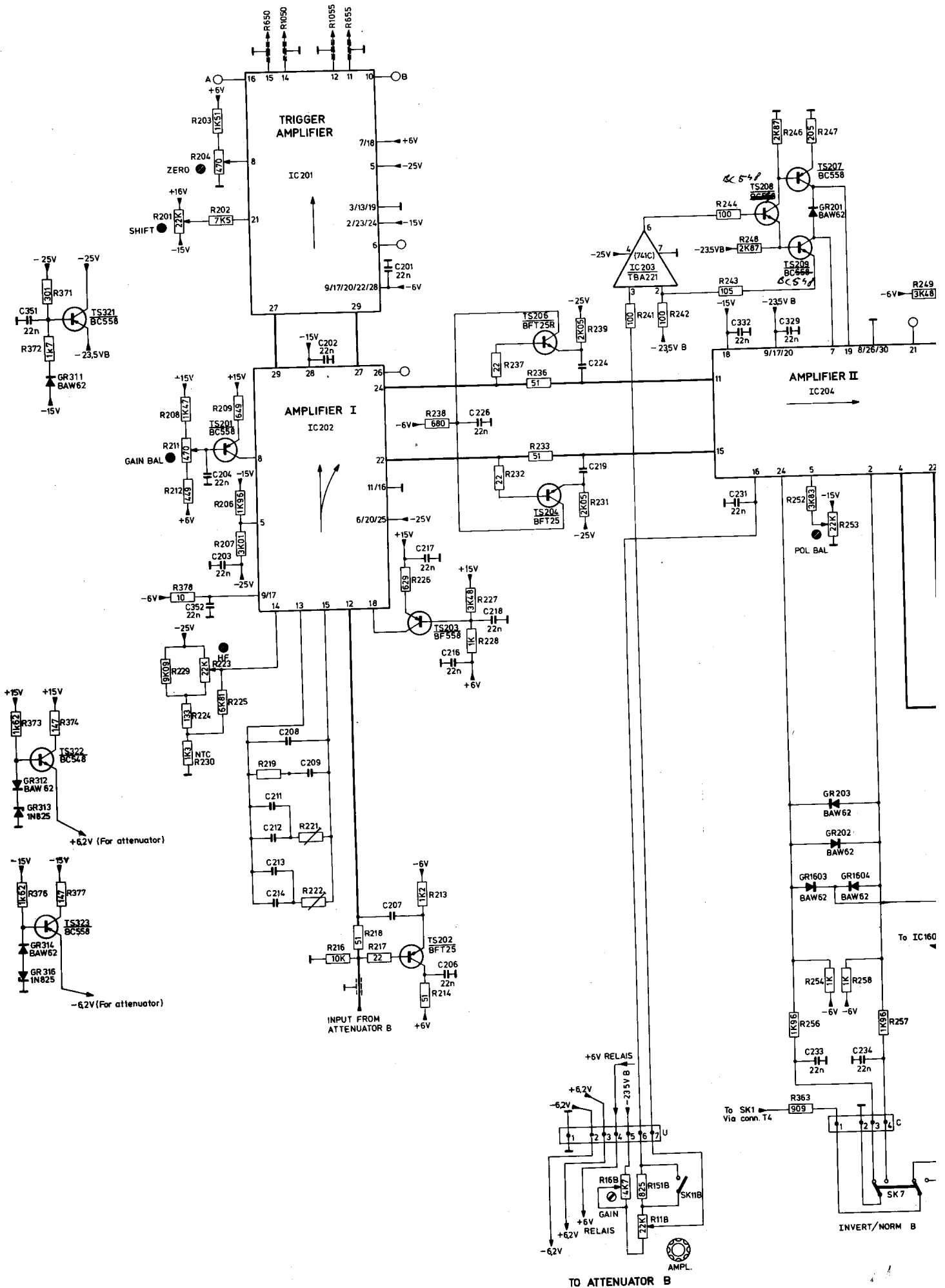
GRATICULE ILLUMINATION AND CAL OUTPUT



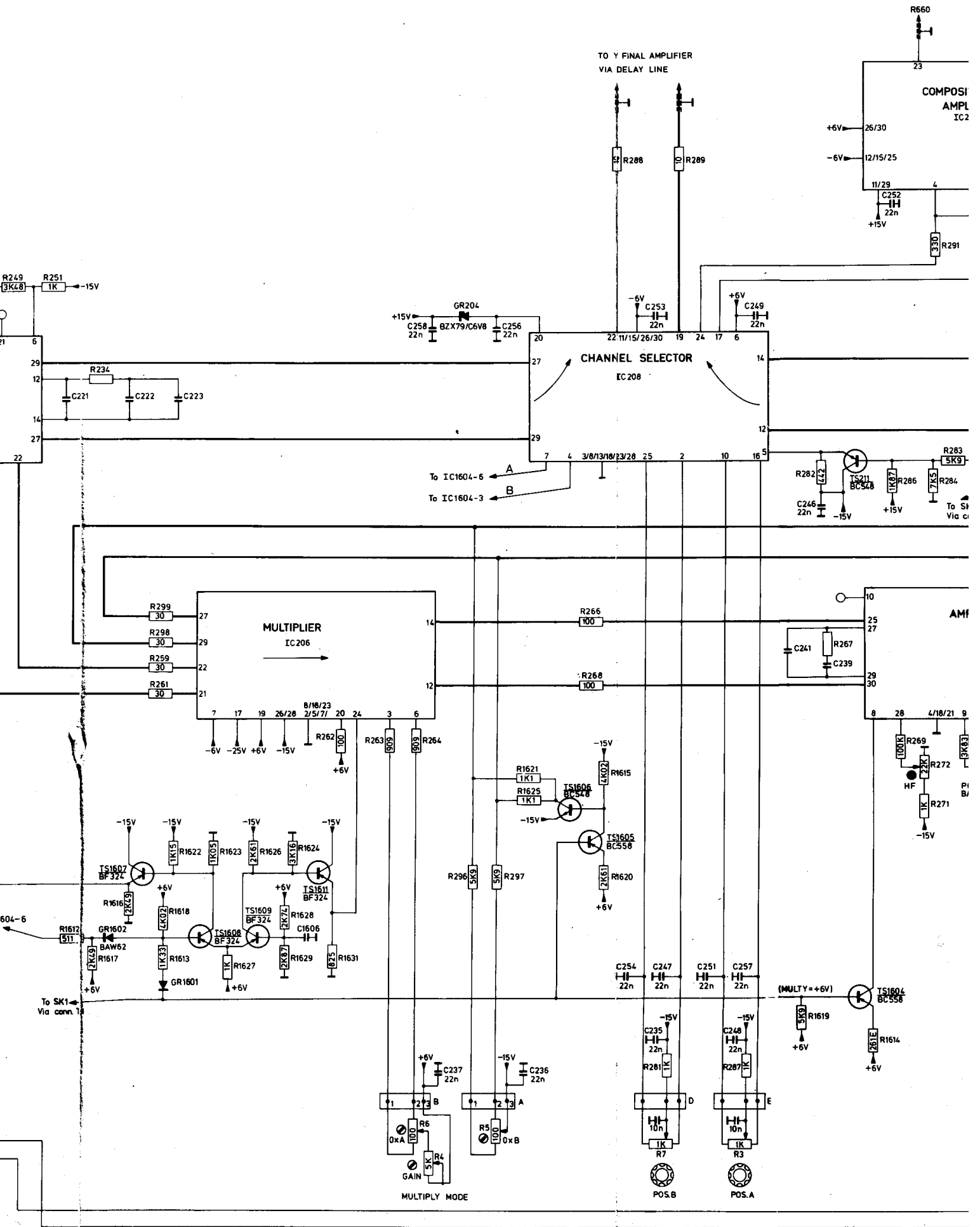


PROBE POWER A

TO M.T.B AND D.T.B



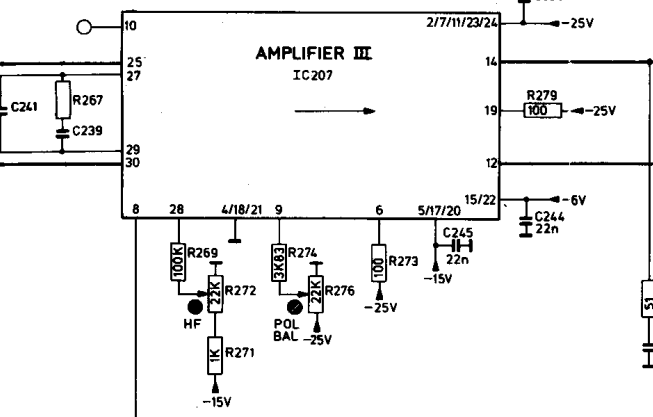
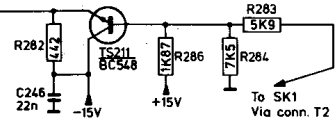
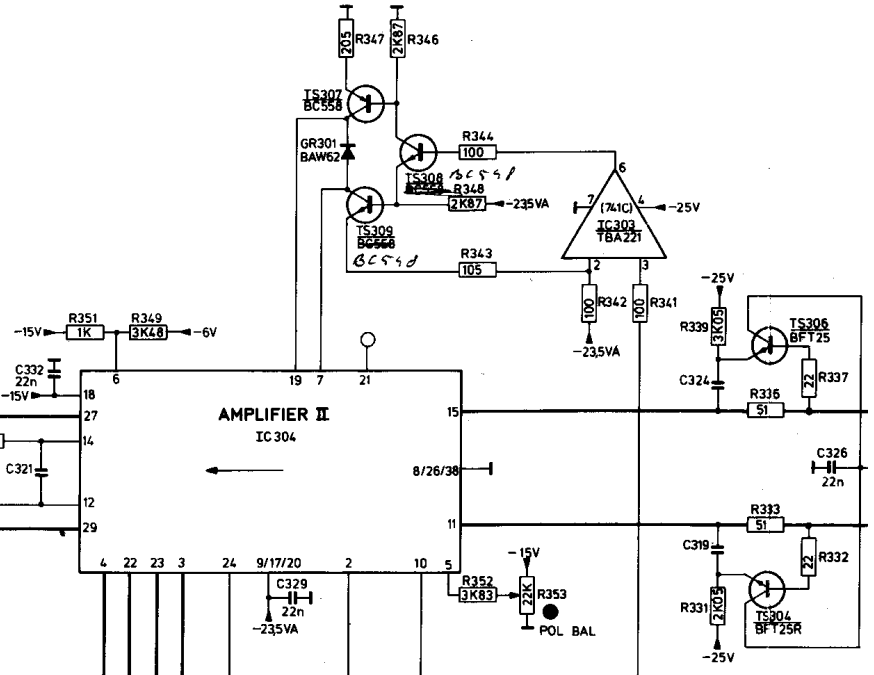
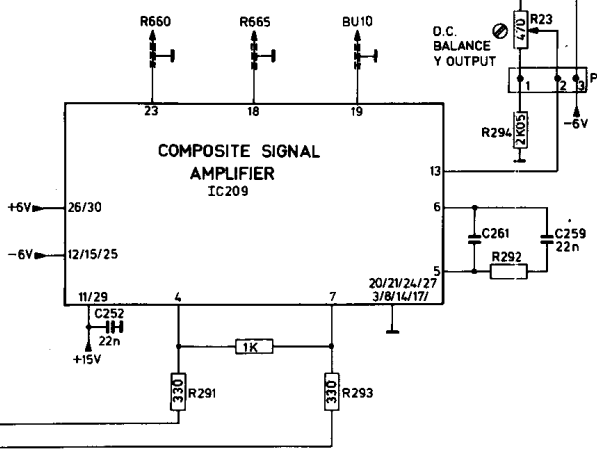
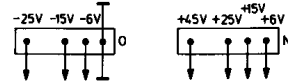
TO ATTENUATOR B



TO MTB Y OUTPUT

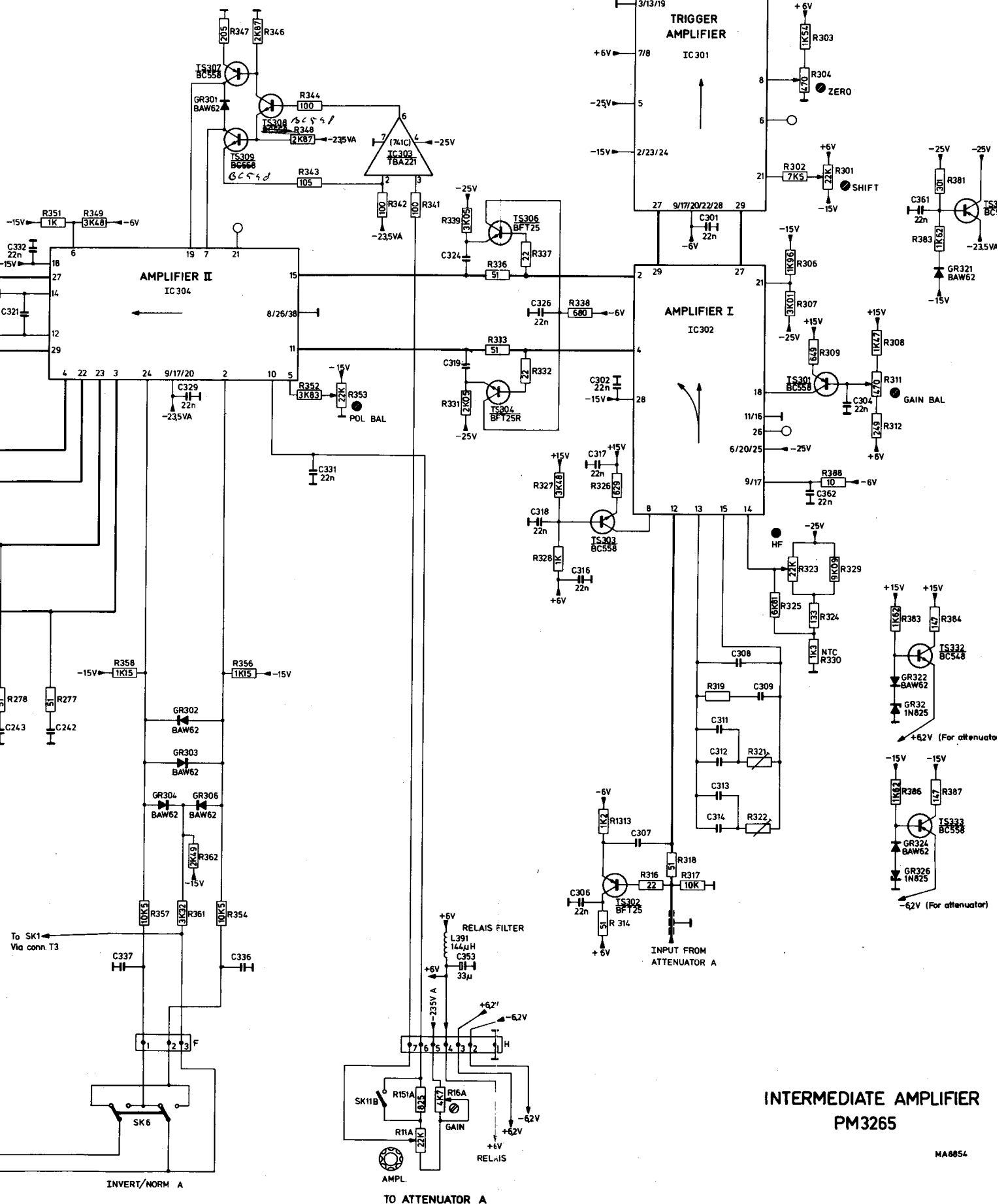
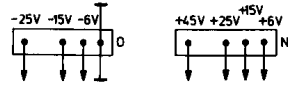
(Composite trigger)

FROM POWER SUPPLY



FROM POWER SUPPLY

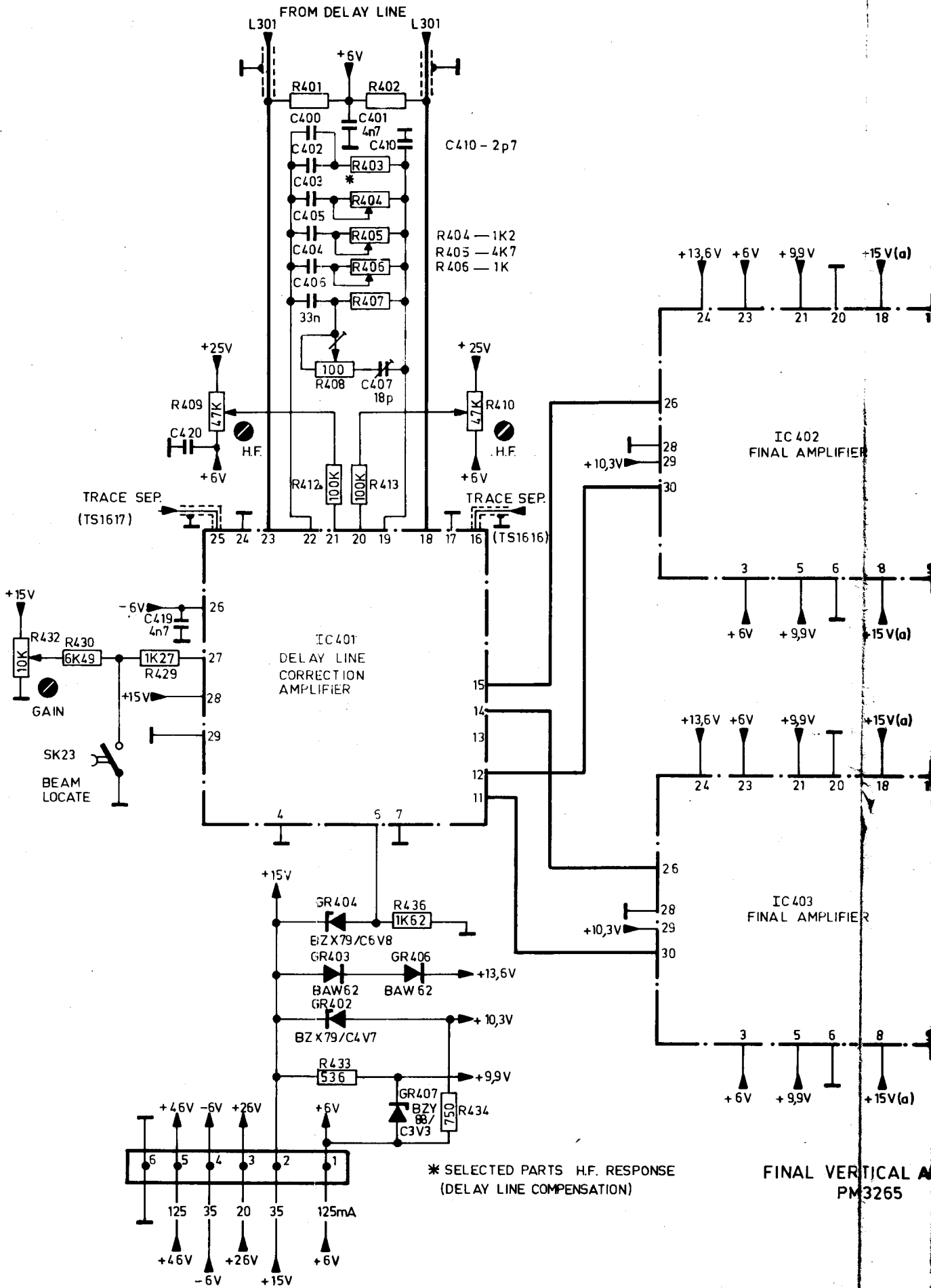
TO M.T.B. AND D.I.B.

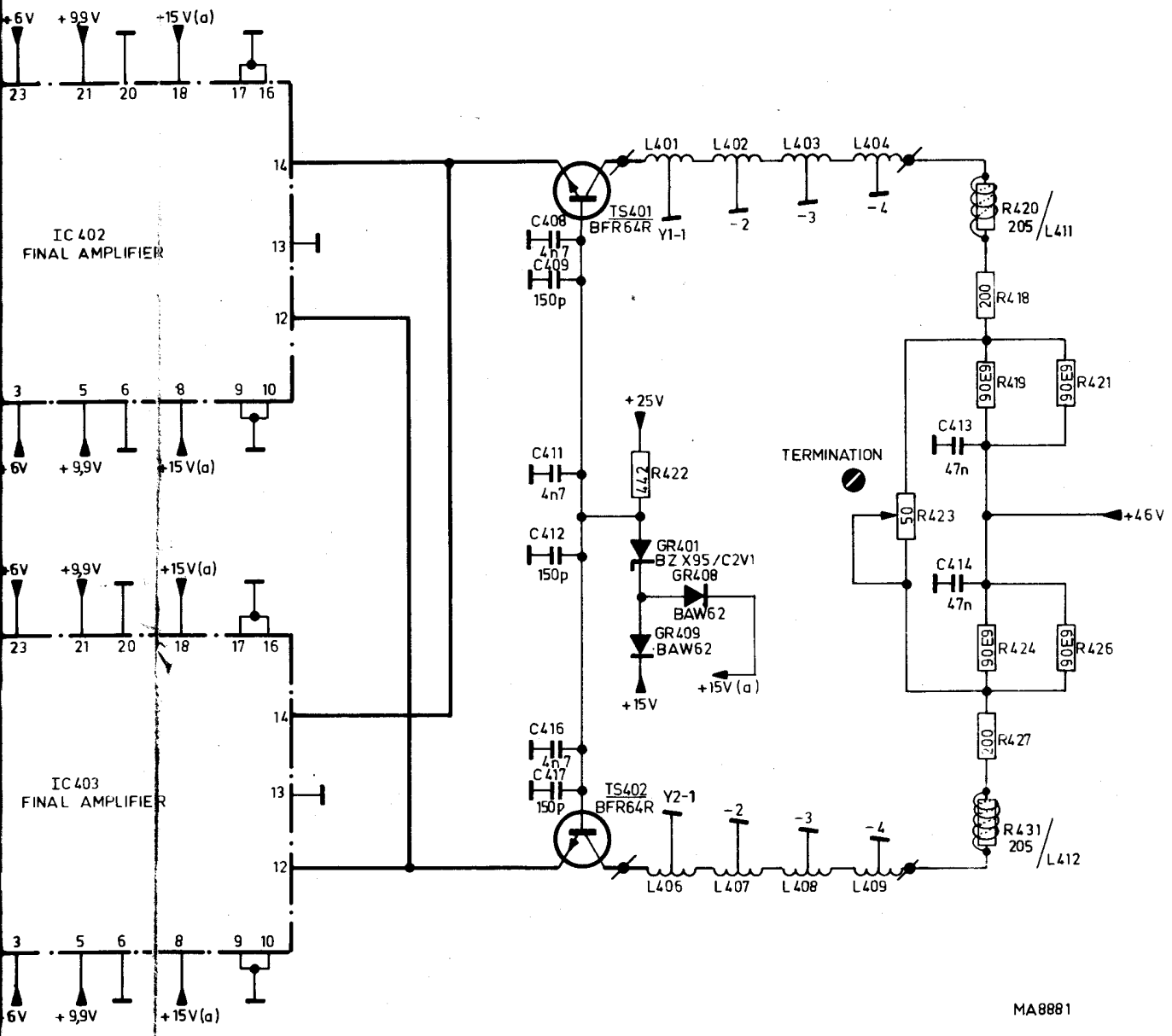


INTERMEDIATE AMPLIFIER PM3265

MA8854

Fig. 3.31. Intermediate amplifier





FINAL VERTICAL AMPLIFIER  
PM3265

L401/L404 and  
L406/L409

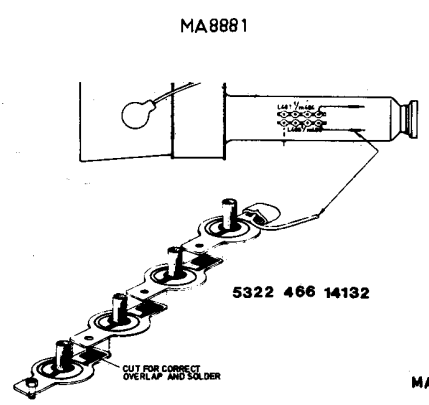
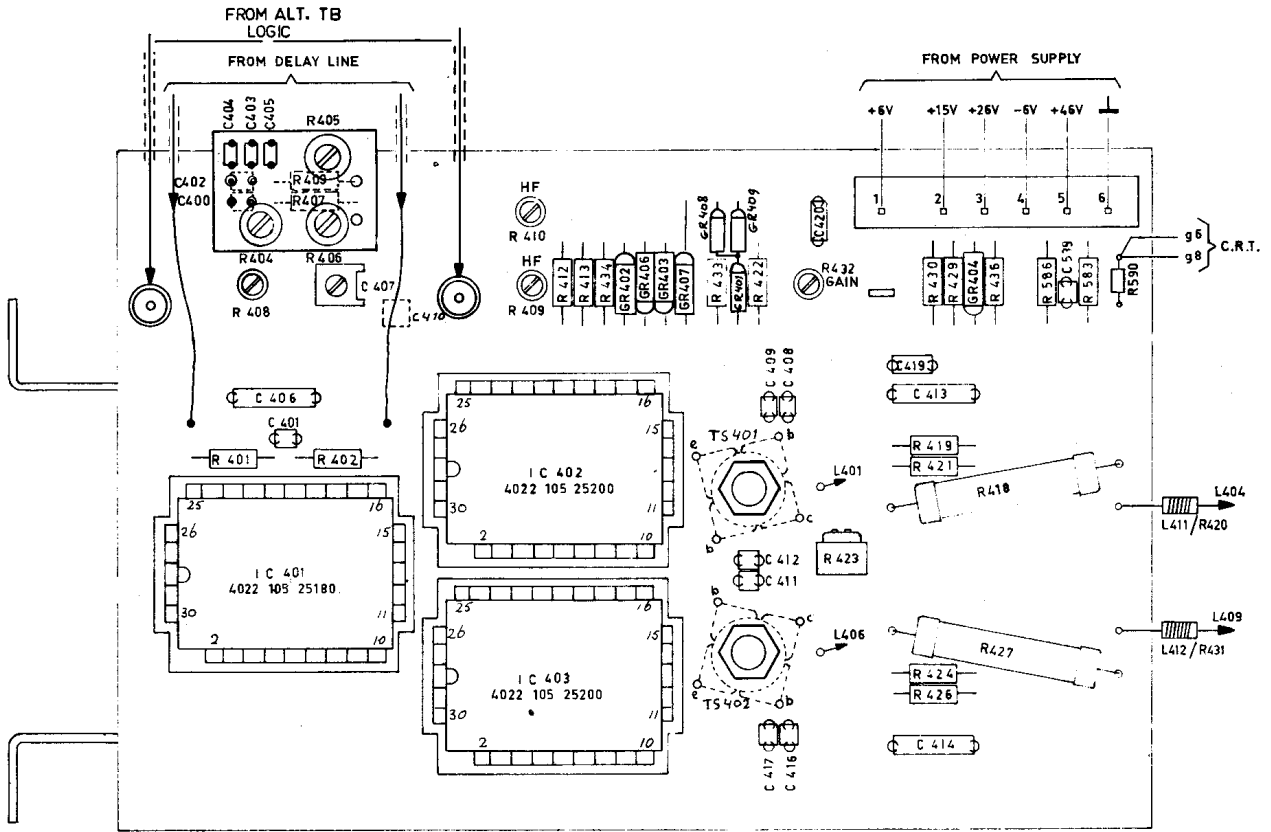


Fig. 3.32. Final Y amplifier circuit

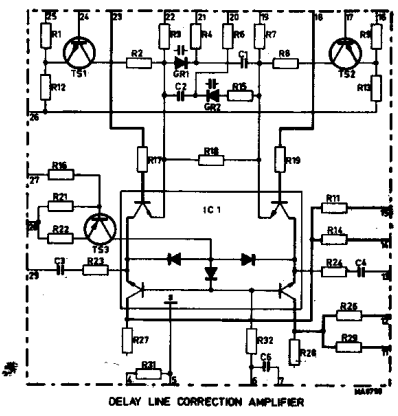
MA8816



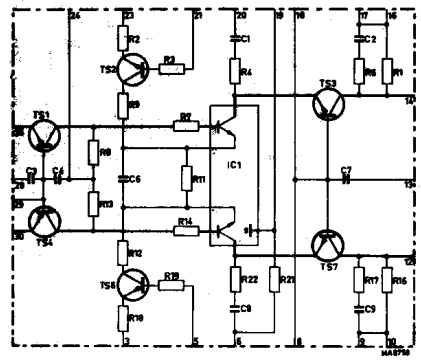
FINAL Y AMPL. ASSY  
PM3265

MA8887

Fig. 3.33. Final Y amplifier circuit board



DELAY LINE CORRECTION AMPLIFIER



FINAL VERTICAL AMPLIFIER

Fig. 3.34. Hybrid circuits final Y amplifier



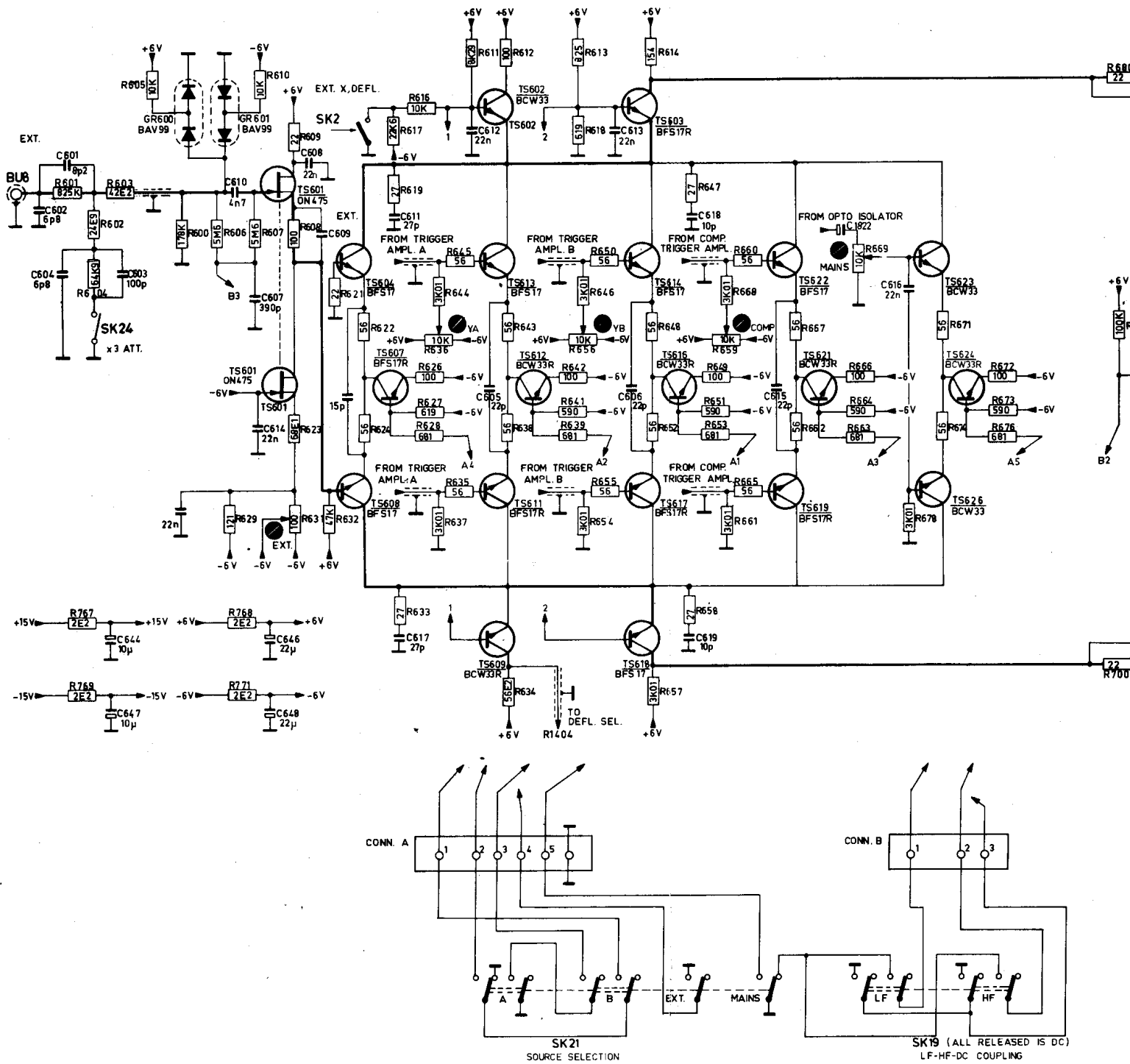
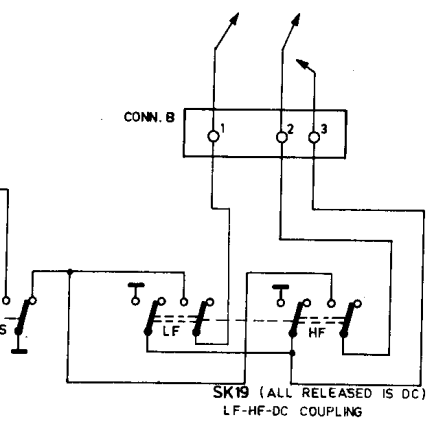
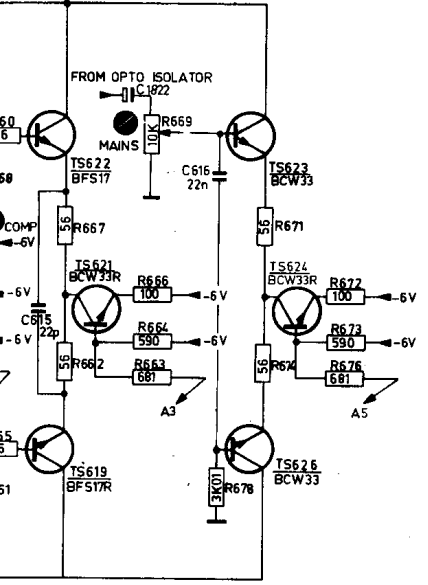
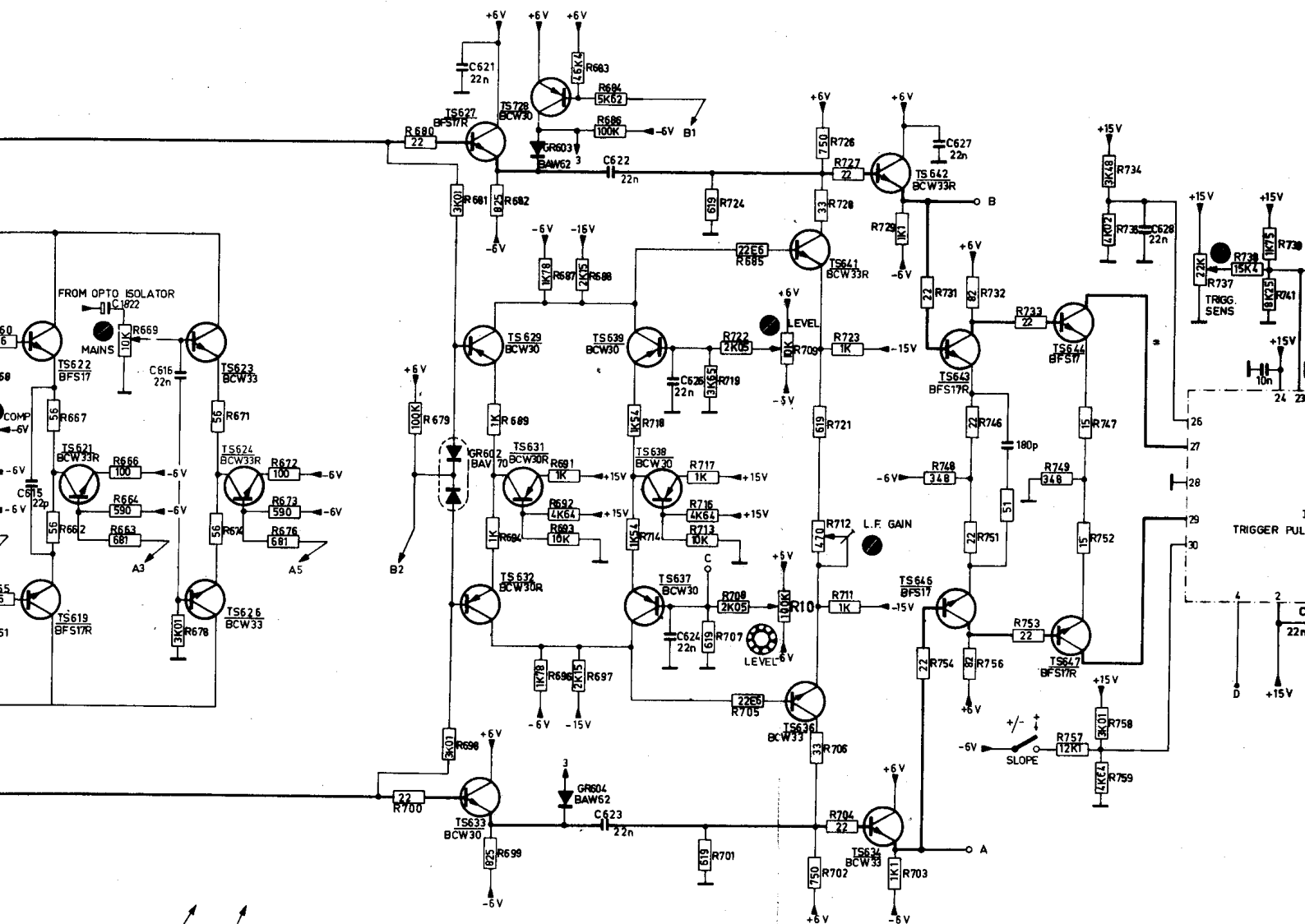
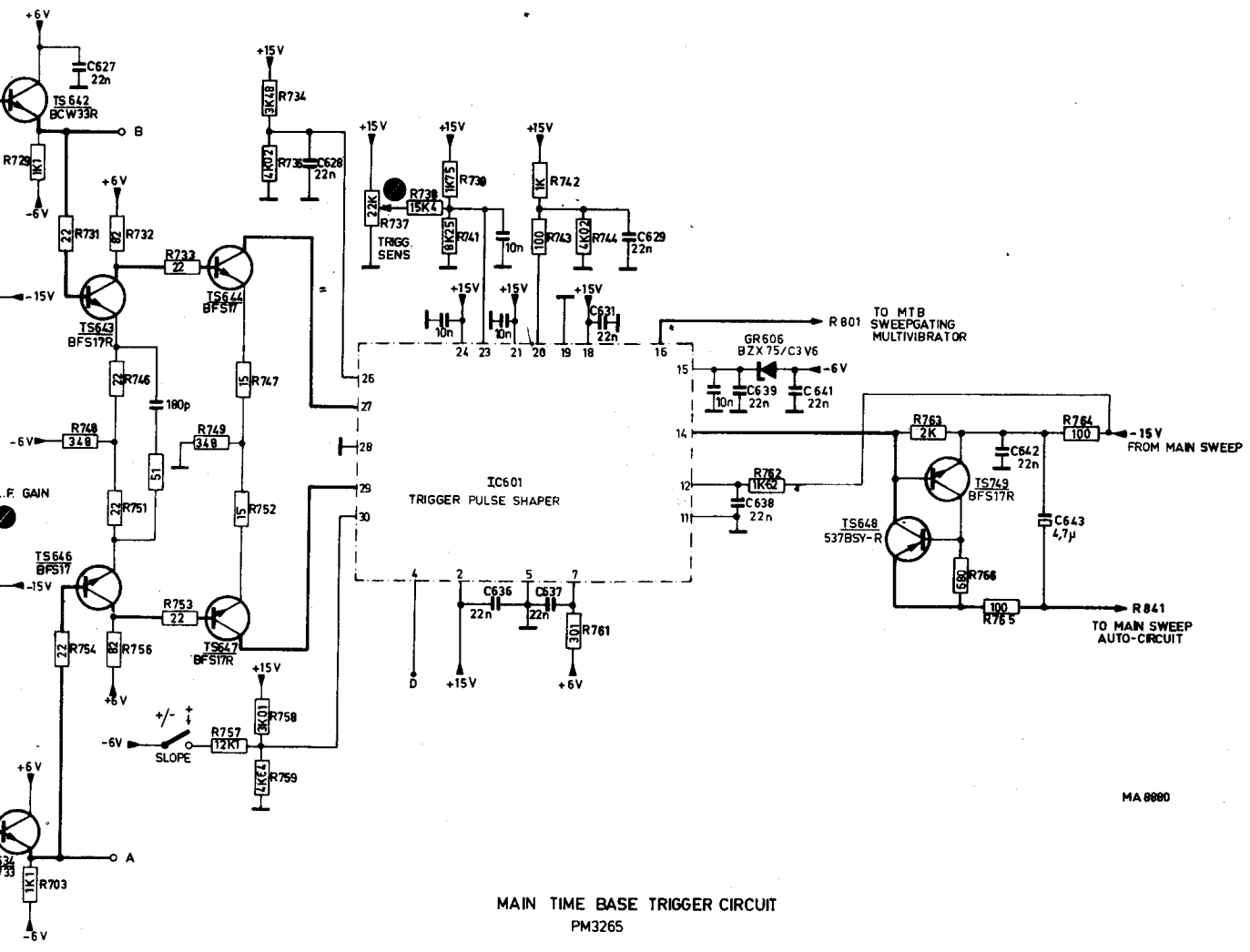


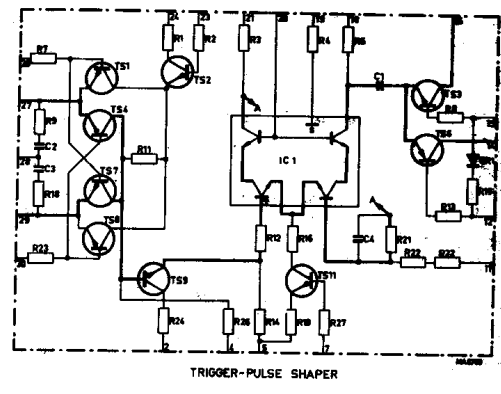
Fig. 3.35. MTB trigger circuit diagram





MA 8880

MAIN TIME BASE TRIGGER CIRCUIT  
PM3265



TRIGGER-PULSE SHAPER



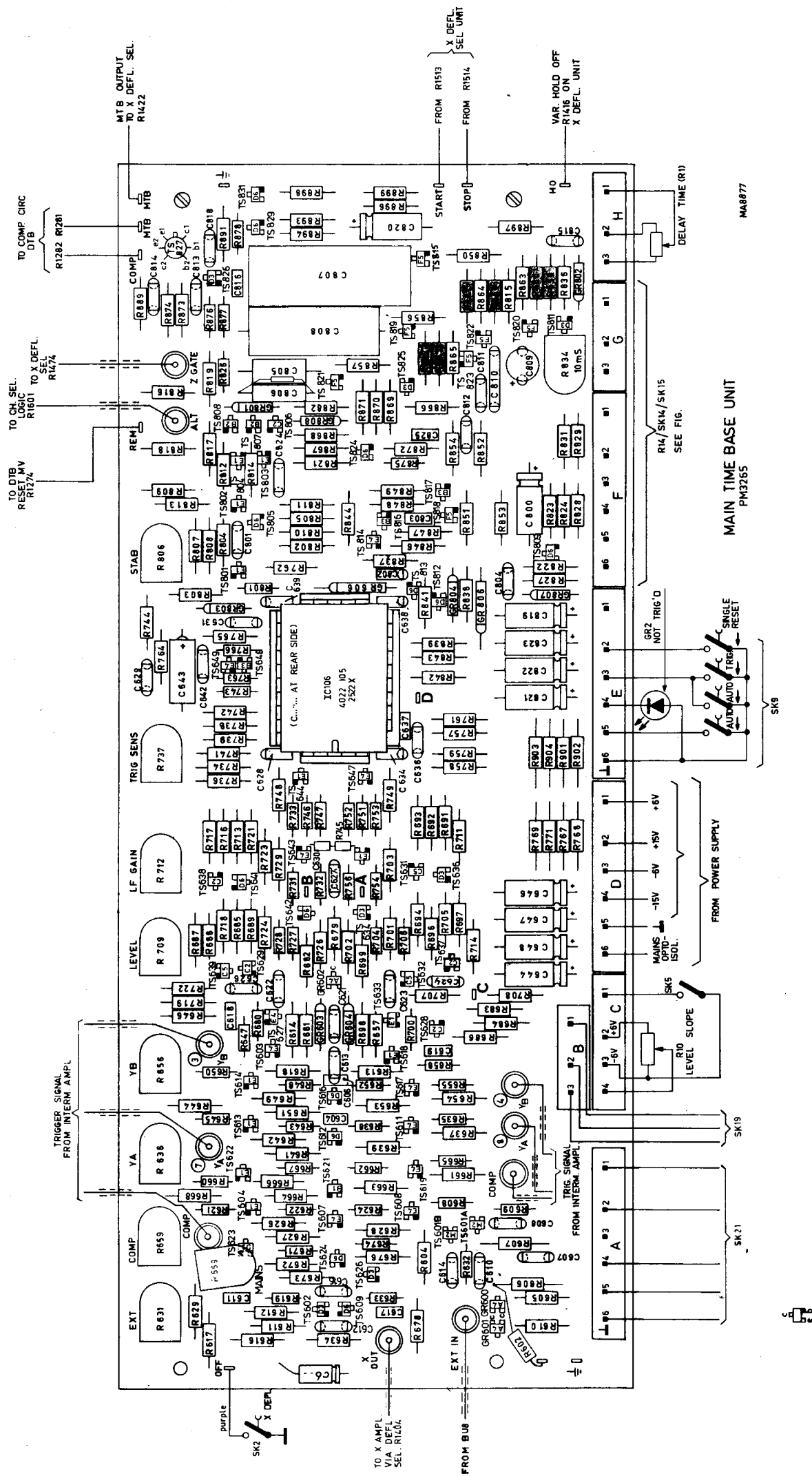
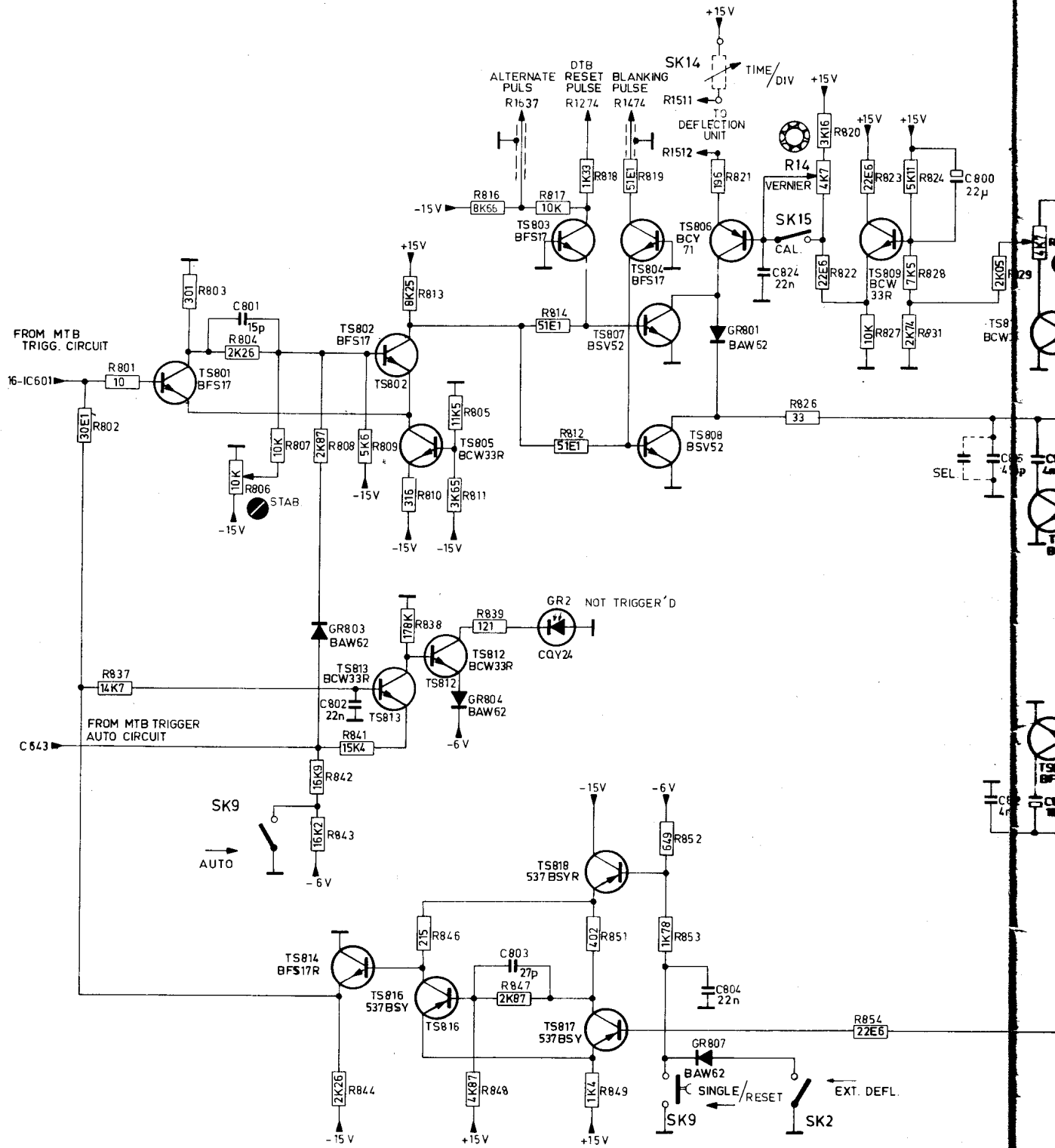
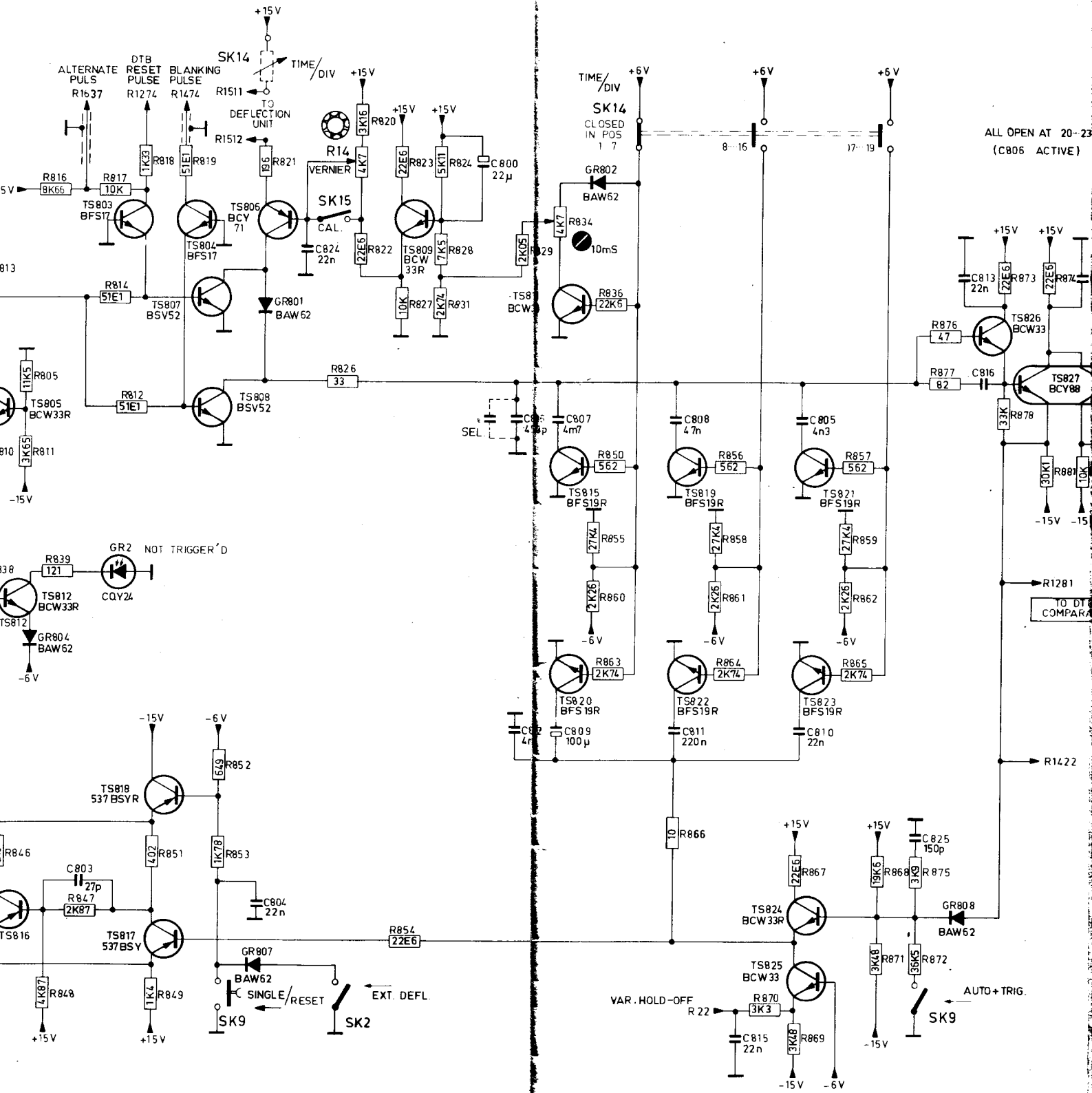


Fig. 3.37. MTB circuit board



MAIN TIME B



MAIN TIME BASE SWEEP GENERATOR

PM3265

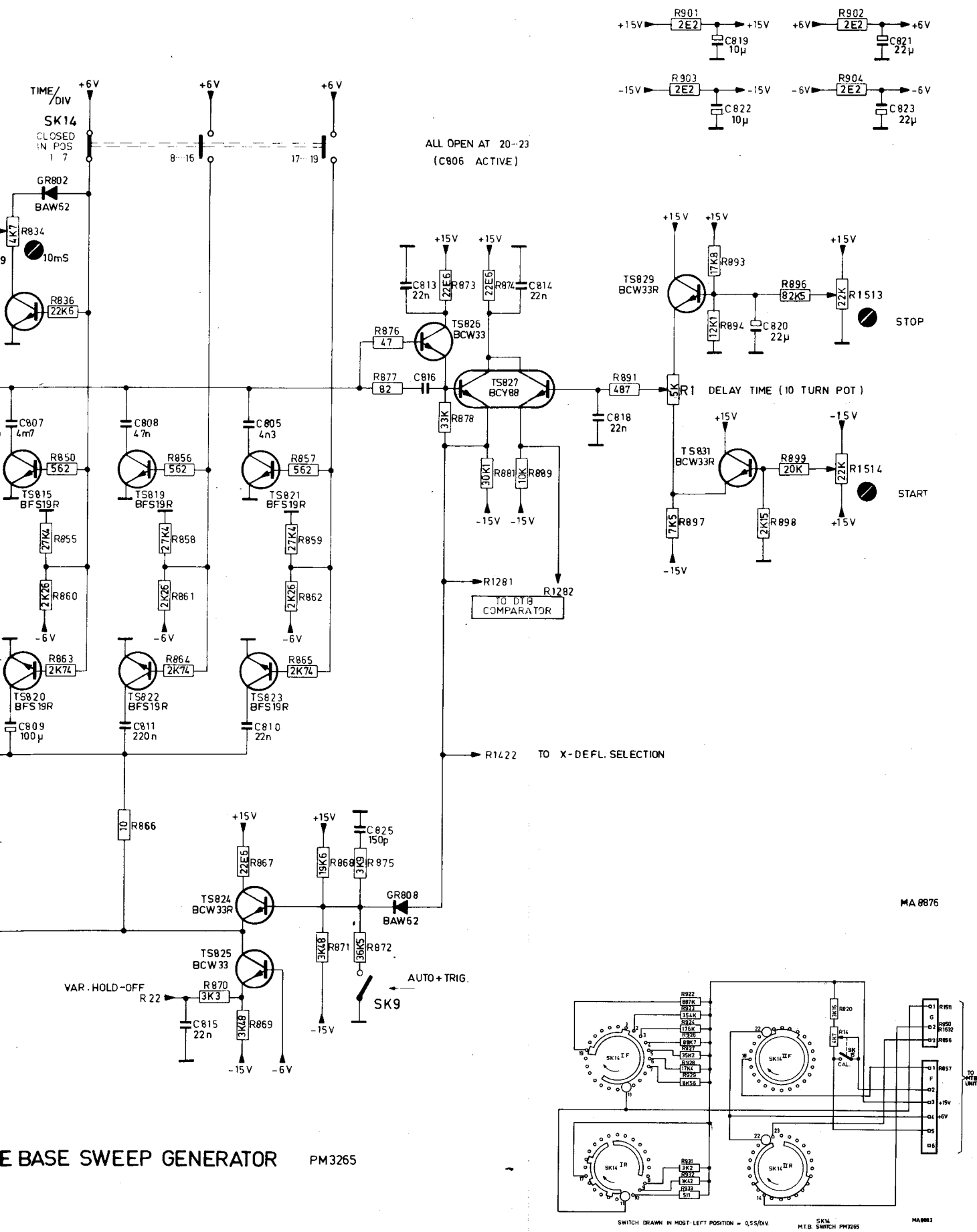


Fig. 3.38. MTB sweep circuit diagram





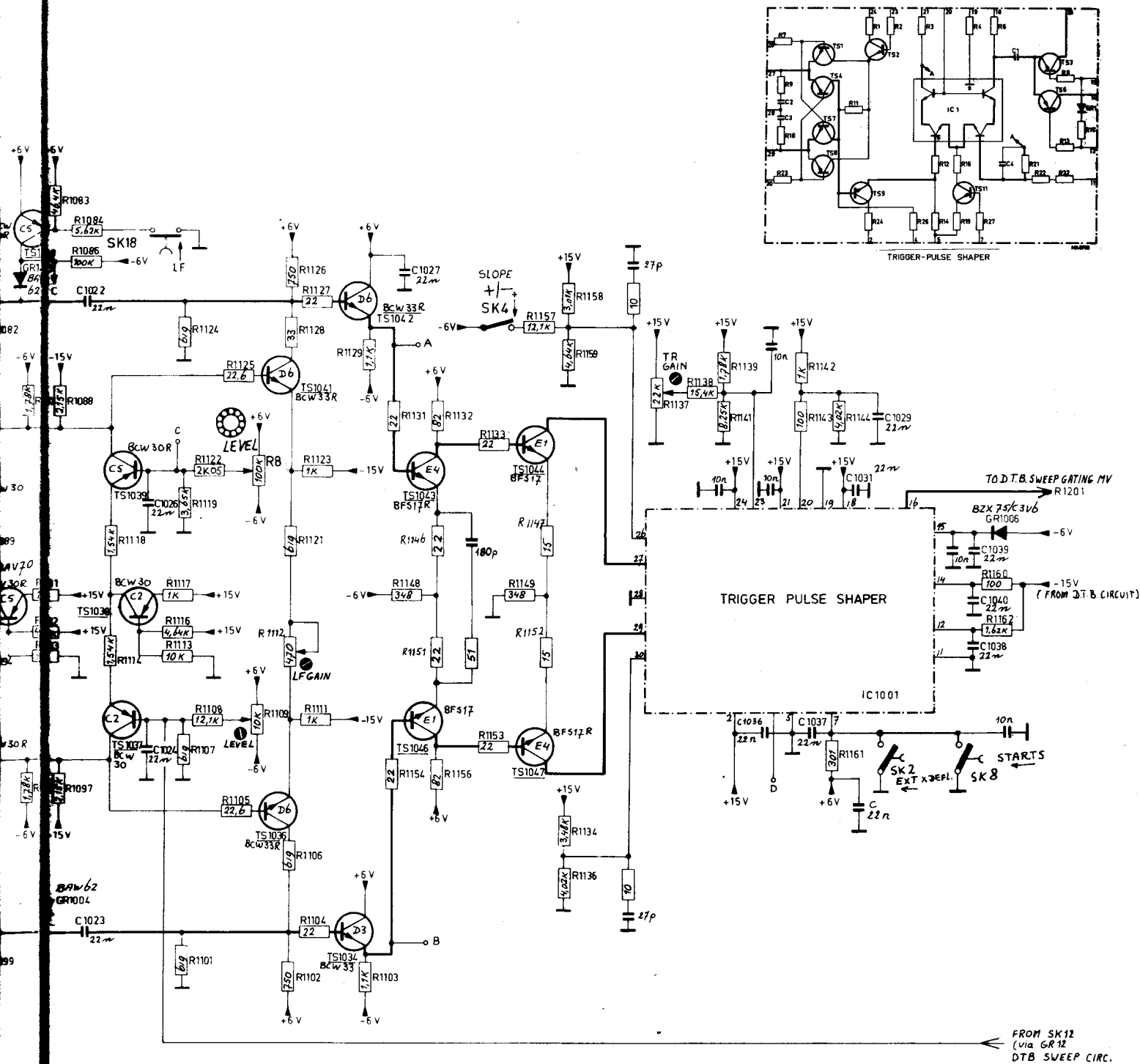


Fig. 3.39. DTB trigger circuit diagram

PM3265

MA8965

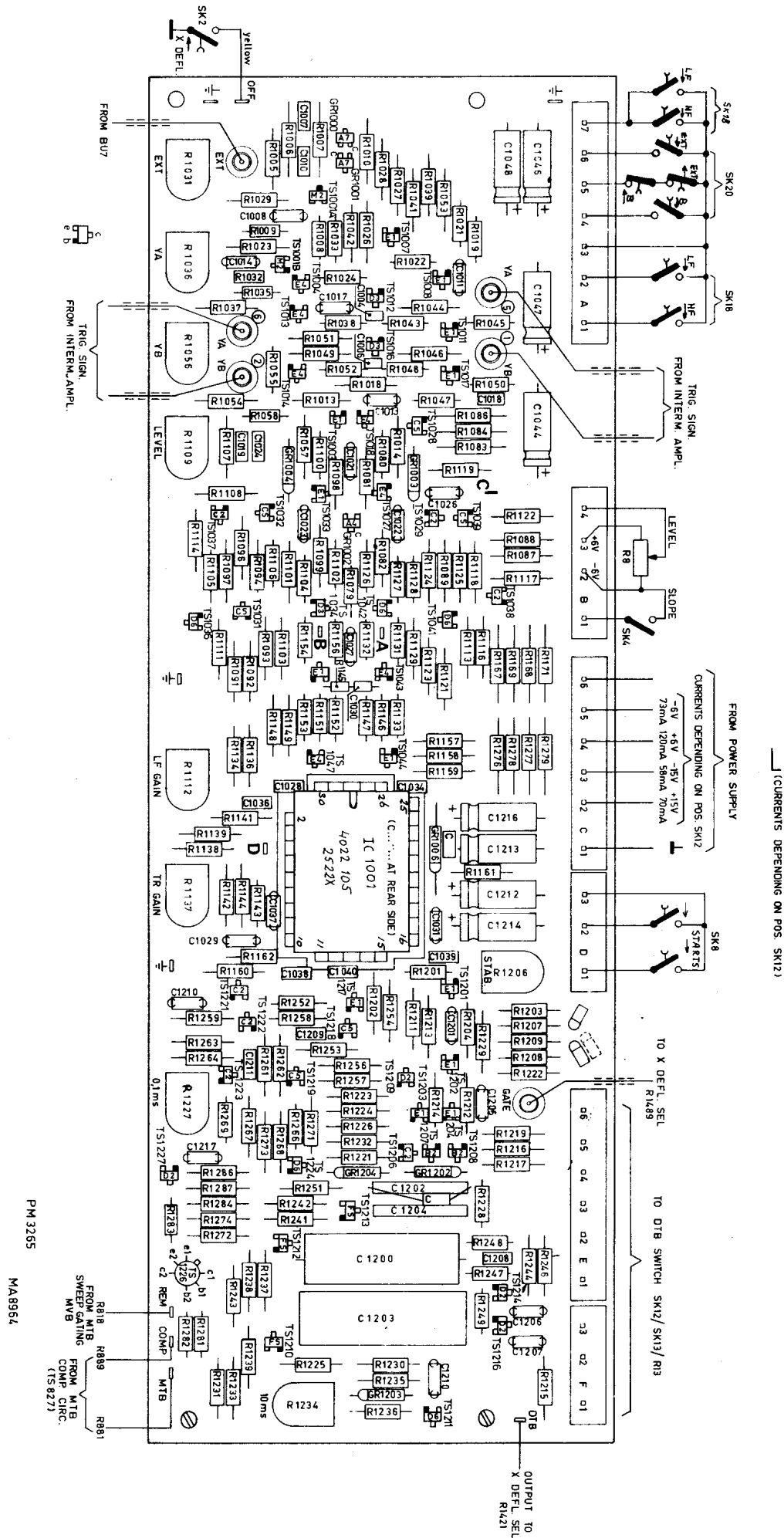
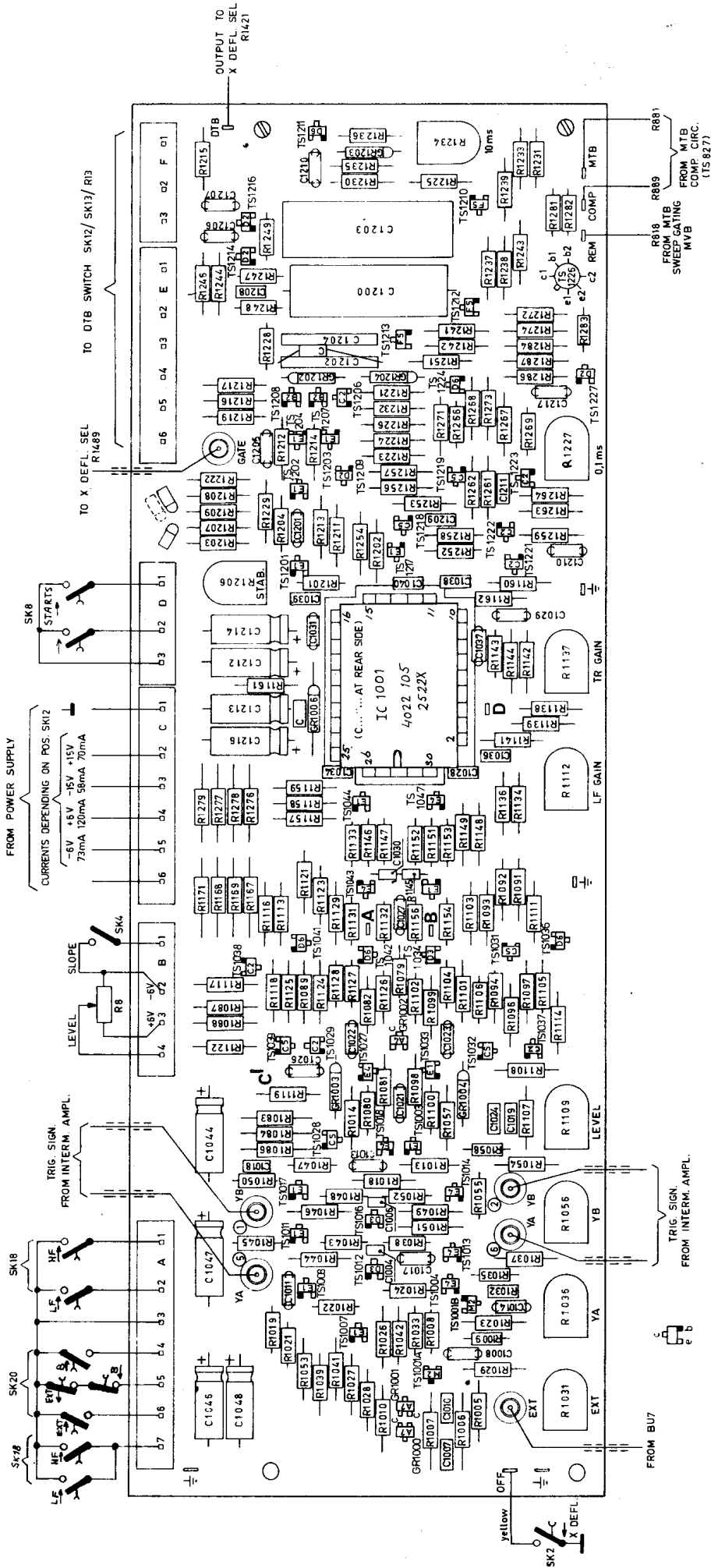


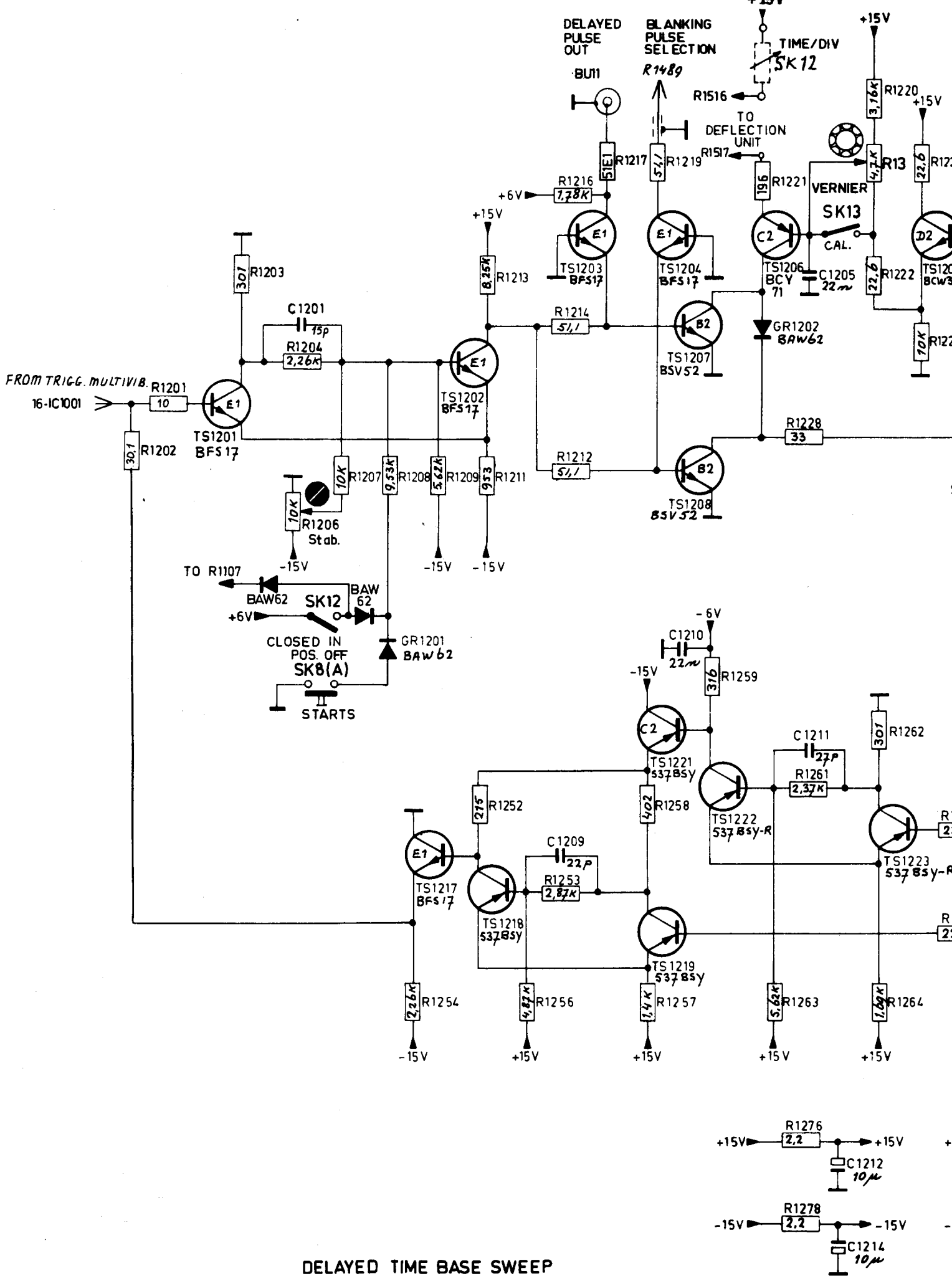
Fig. 3.40. DTB circuit board

(CURRENTS DEPENDING ON POS. SK12)

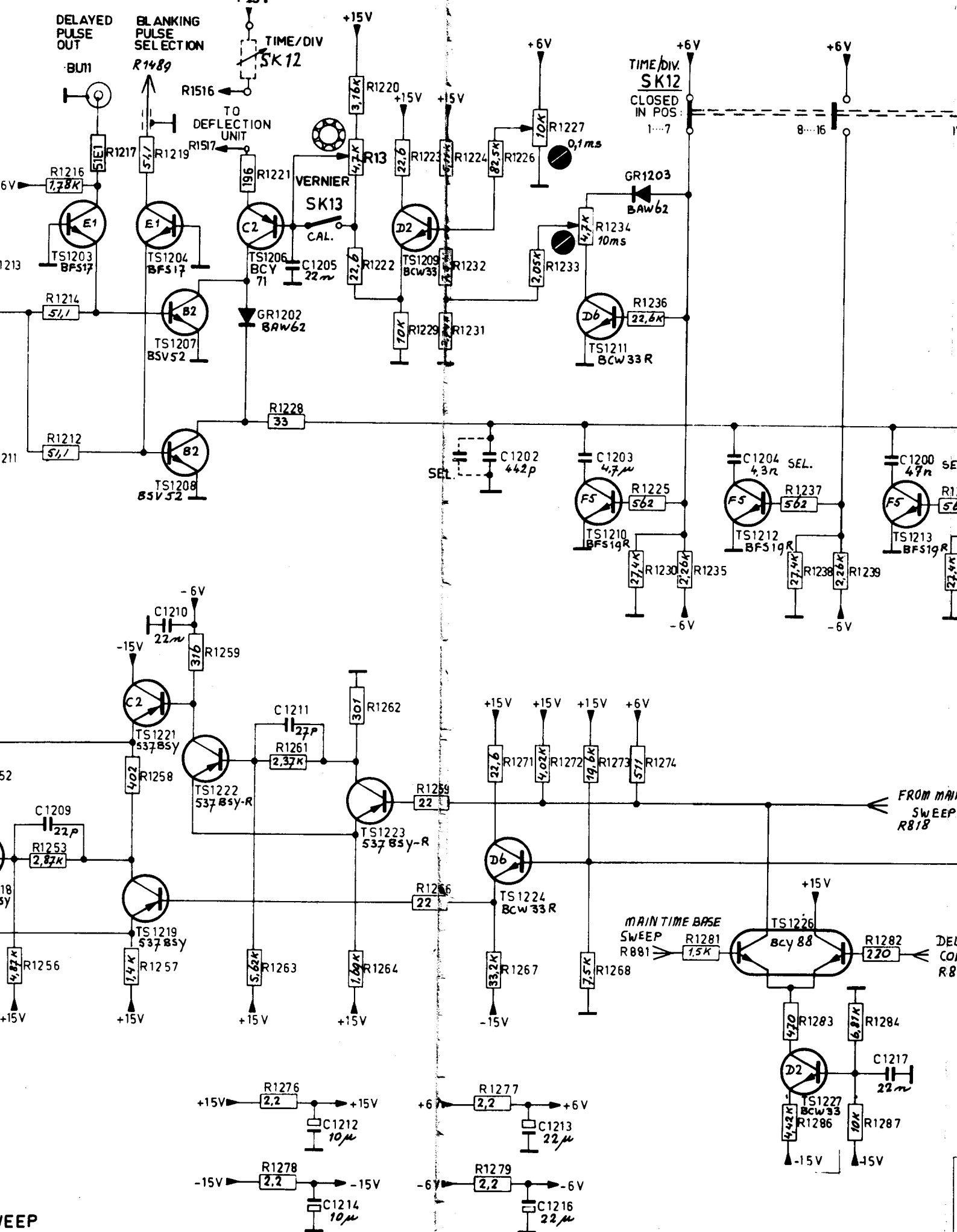


PM 3265  
MA8964

Fig. 3.41. DTB circuit board



DELAYED TIME BASE SWEEP  
 PM3265



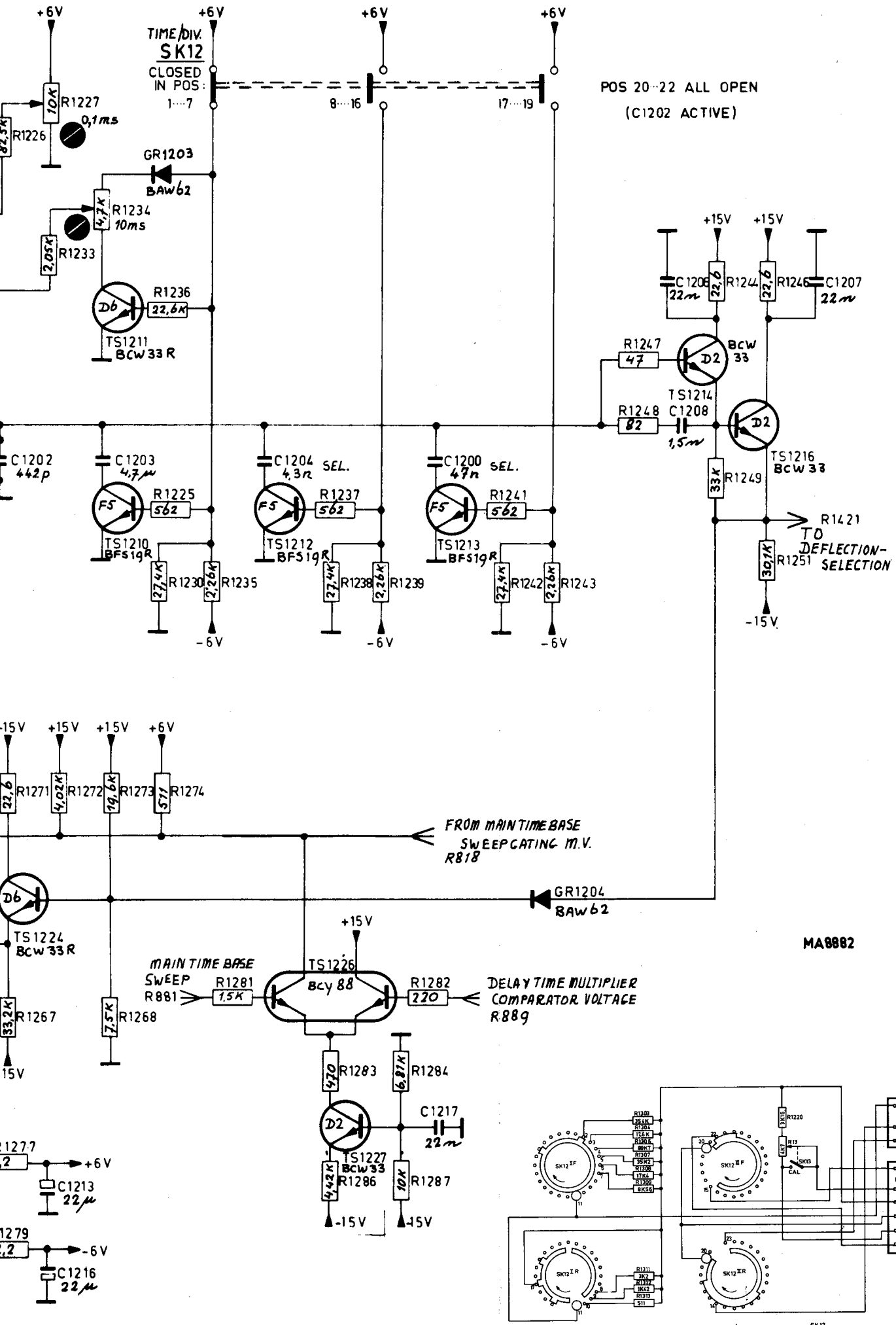
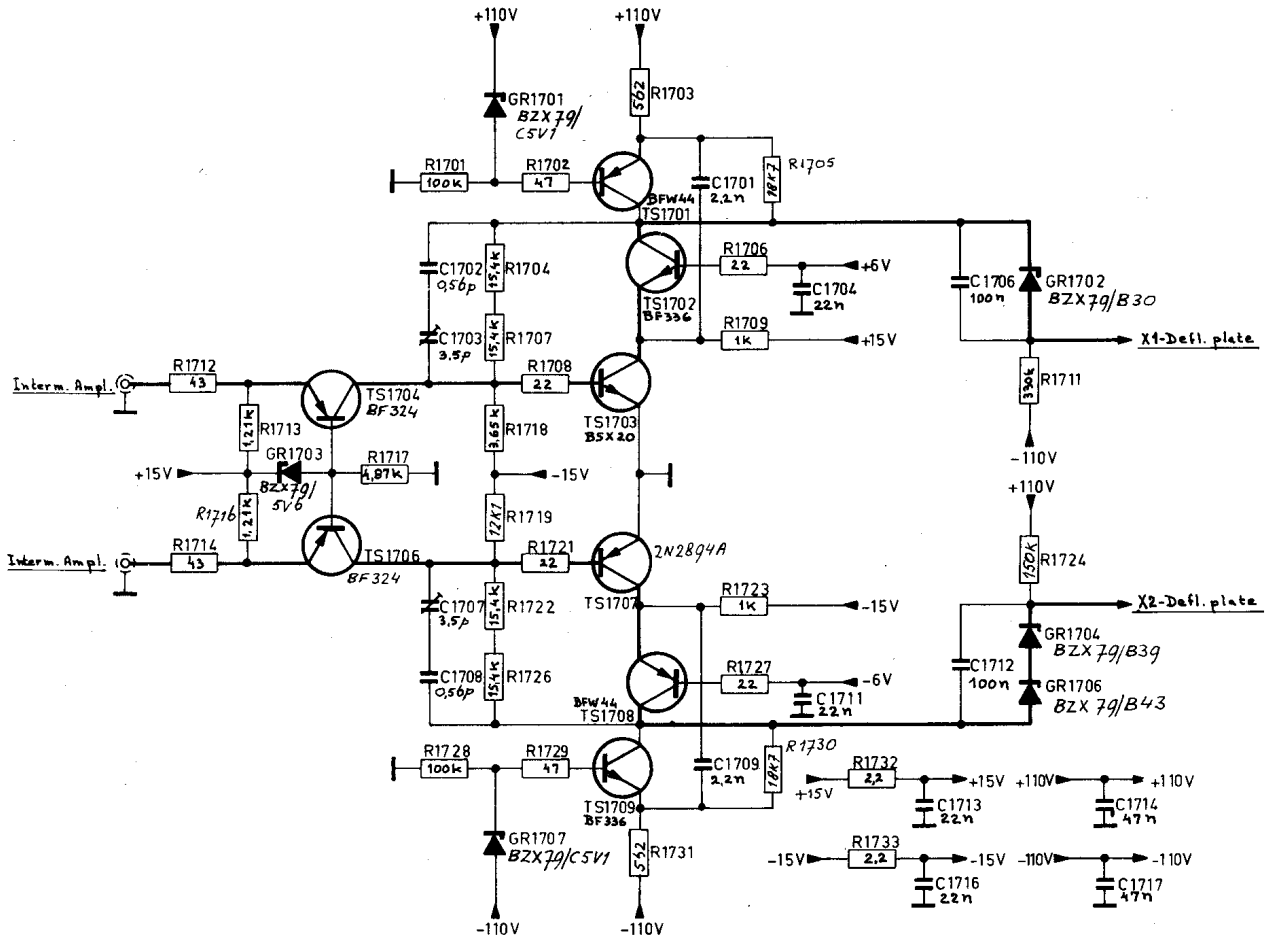


Fig. 3.42. DTB sweep circuit diagram

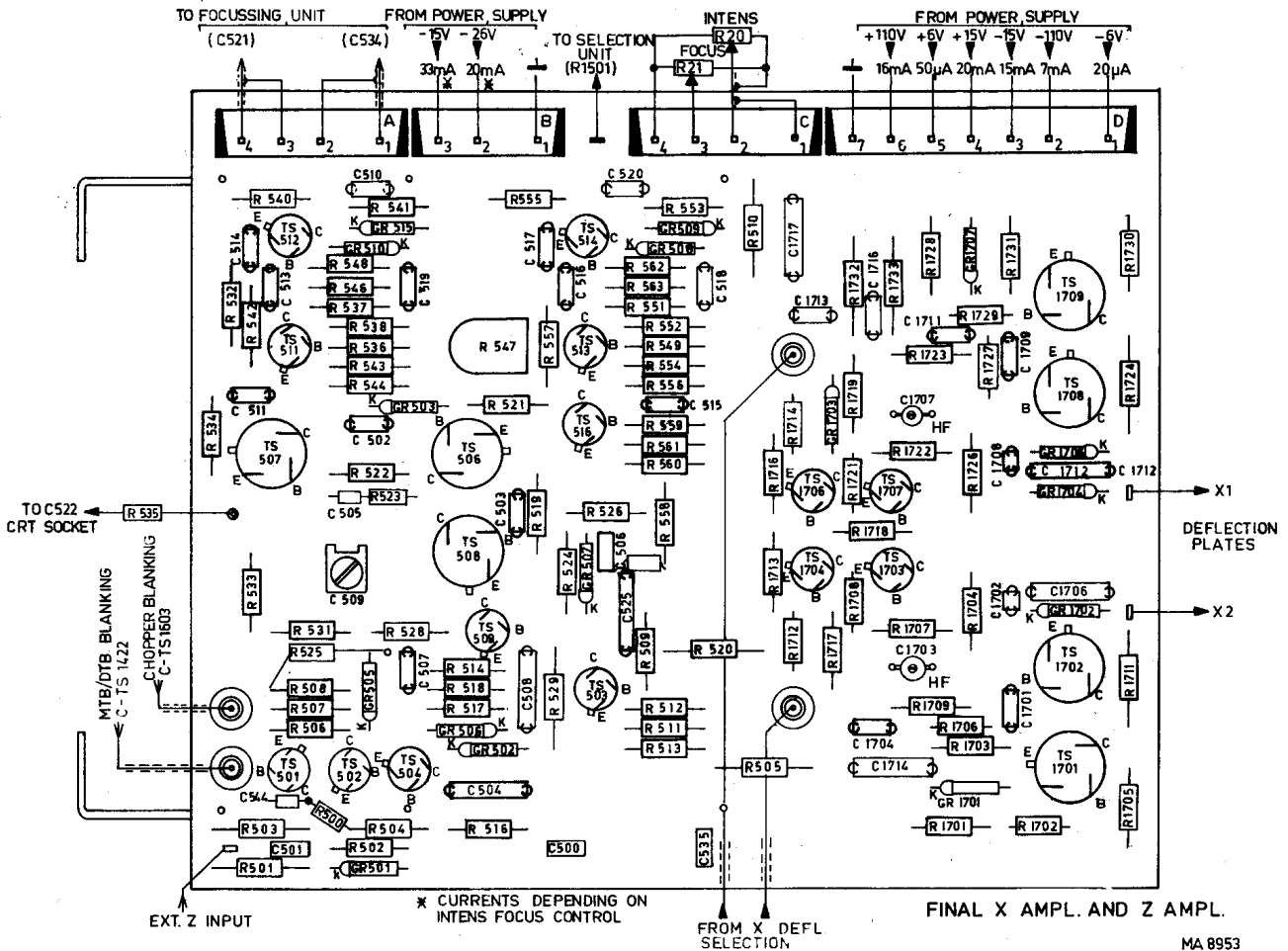






MA 8811

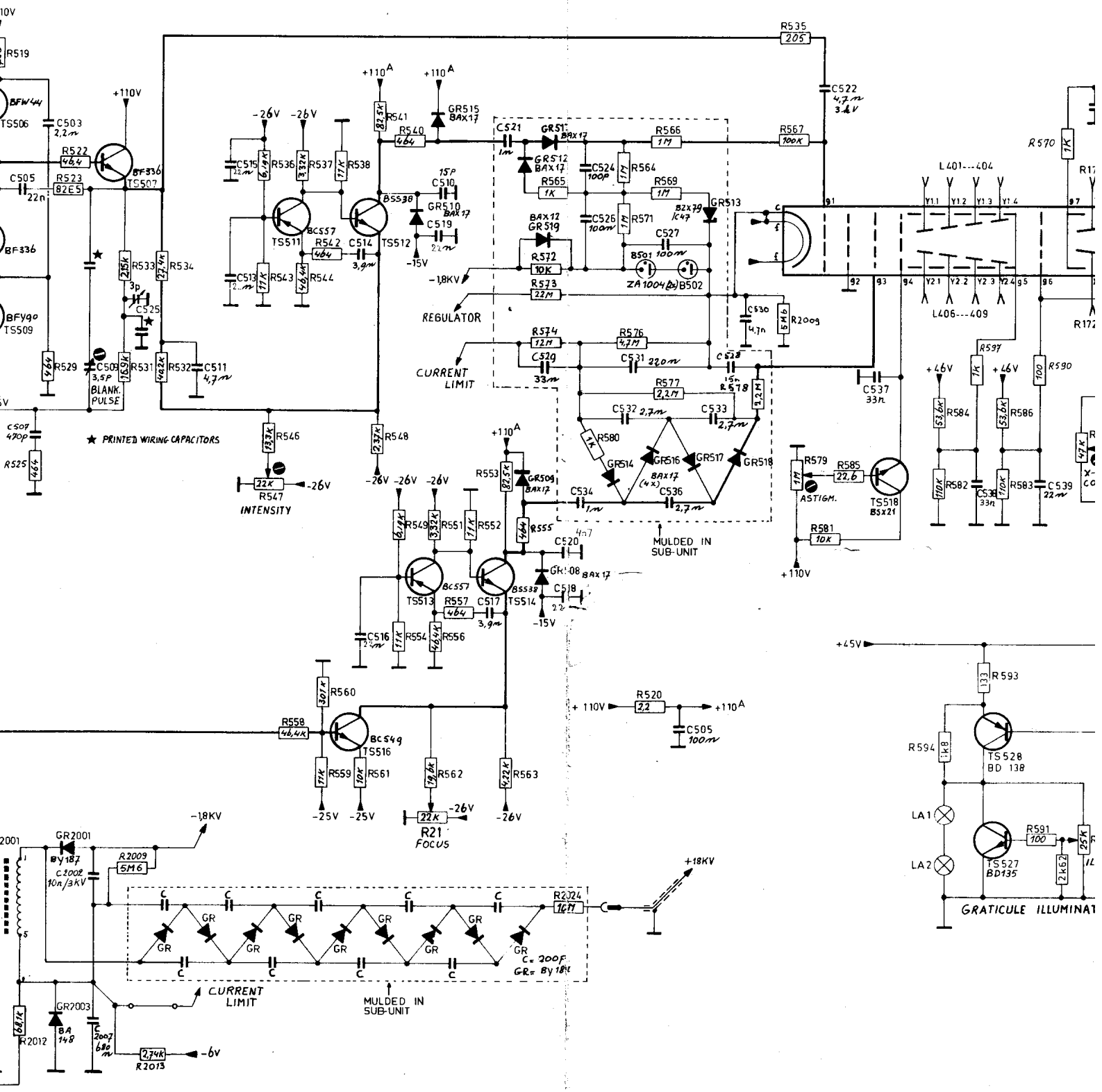
Fig. 3.45. Final X amplifier circuit diagram



MA 8953

Fig. 3.46. Final X and Z amplifier board





★ PRINTED WIRING CAPACITORS

REGULATOR  
CURRENT LIMIT

INTENSITY

FOCUS

CURRENT LIMIT

GRATICULE ILLUMINAT

10V

R519

TS506

C503

R522

R523

BF336

TS507

R533

R534

C525

R529

C509

R531

R532

C511

R546

R547

R548

R549

R550

R551

R552

R553

R554

R555

R556

R557

R558

R559

R560

R561

R562

R563

R564

R565

R566

R567

R568

R569

R570

R571

R572

R573

R574

R575

R576

R577

R578

R579

R580

R581

R582

R583

R584

R585

R586

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R730

R731

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R736

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R738

R739

R740

R741

R742

R743

R744

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R746

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R749

R750

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R756

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R768

R769

R770

R771

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R774

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R779

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R783

R784

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R789

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R795

R796

R797

R798

R799

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R801

R802

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R810

R811

R812

R813

R814

R815

R816

R817

R818

R819

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R826

R827

R828

R829

R830

R831

R832



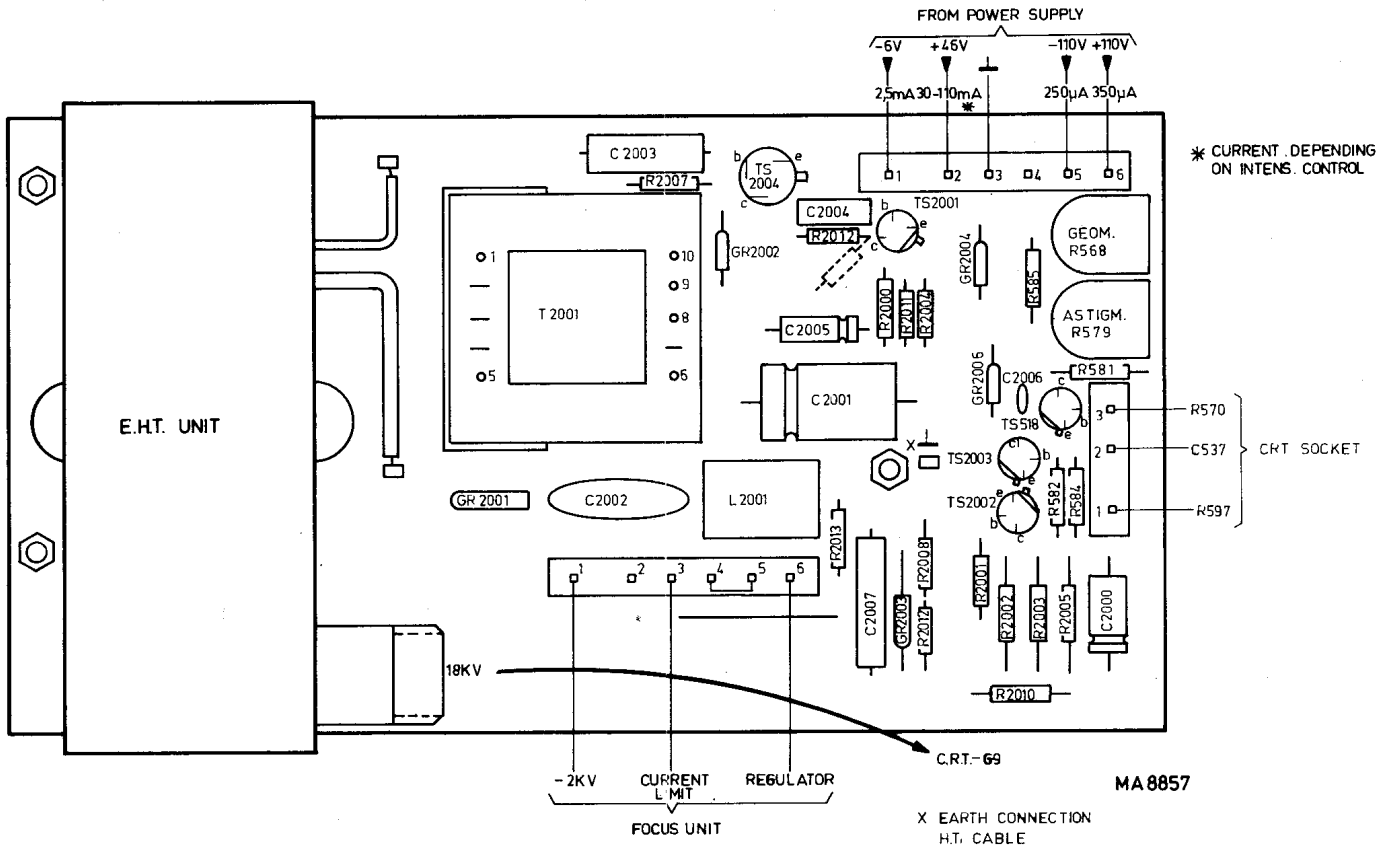


Fig. 3.48. 2 kV unit

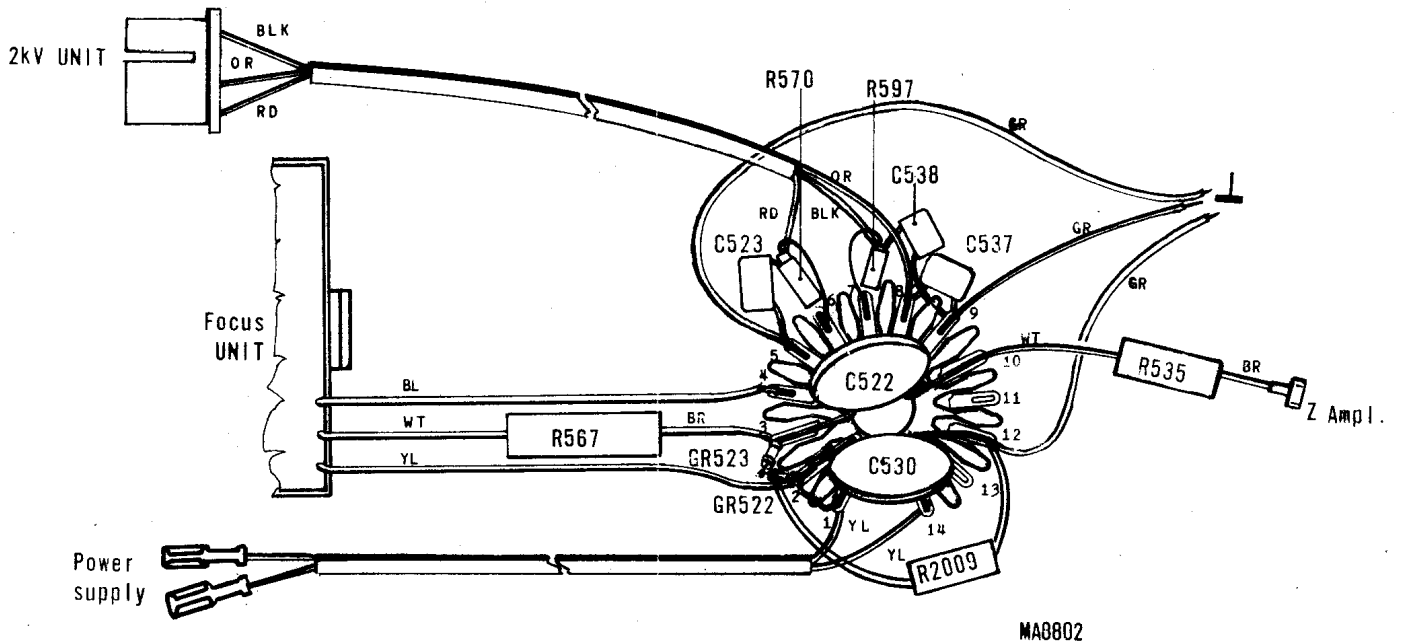


Fig. 3.49. CRT socket assembly

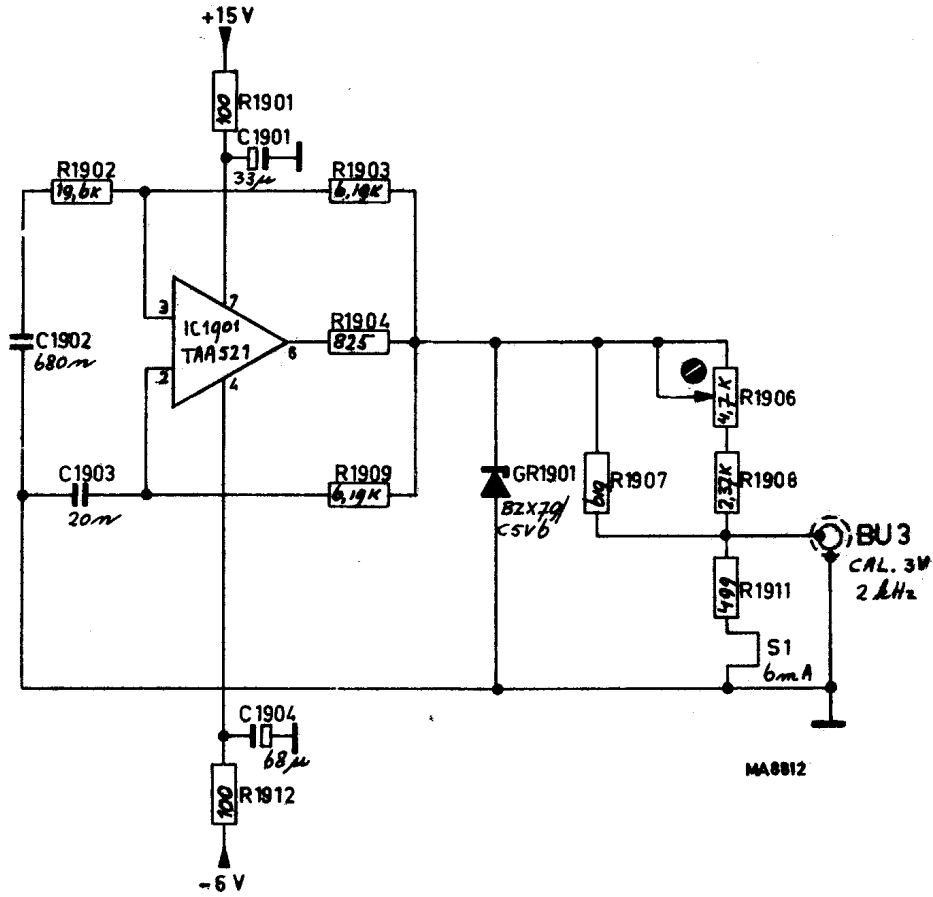


Fig. 3.50. Calibration circuit diagram

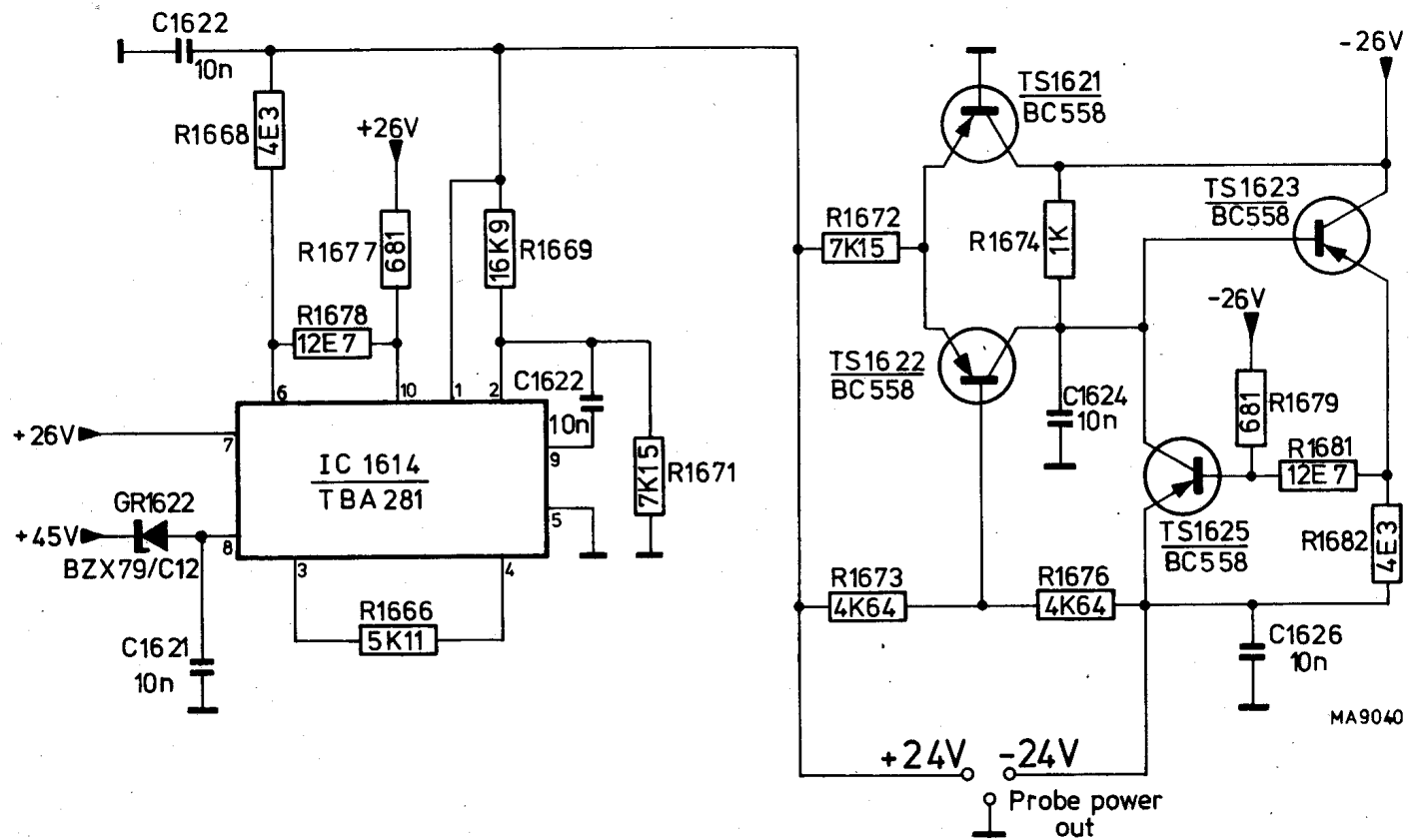
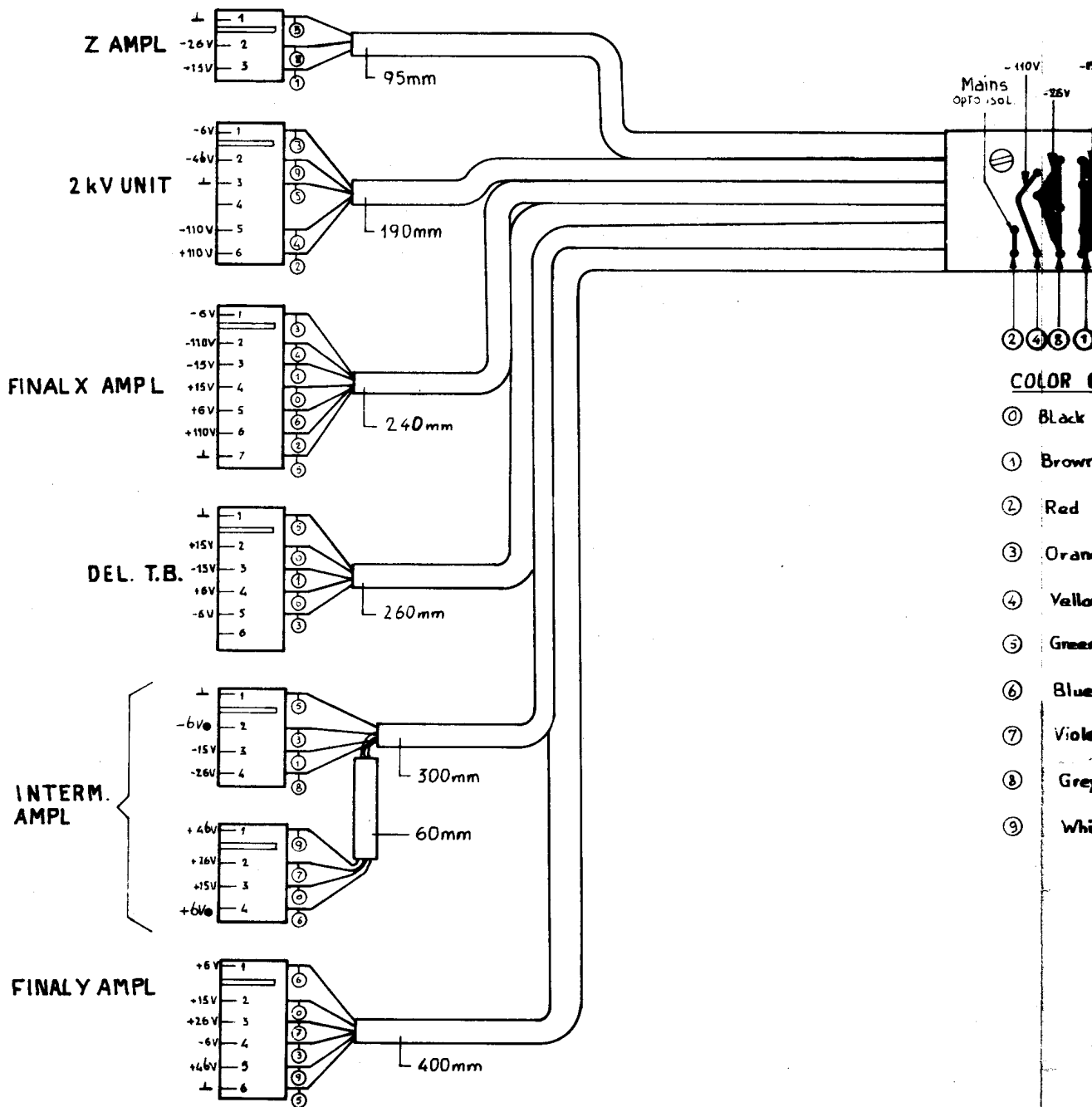
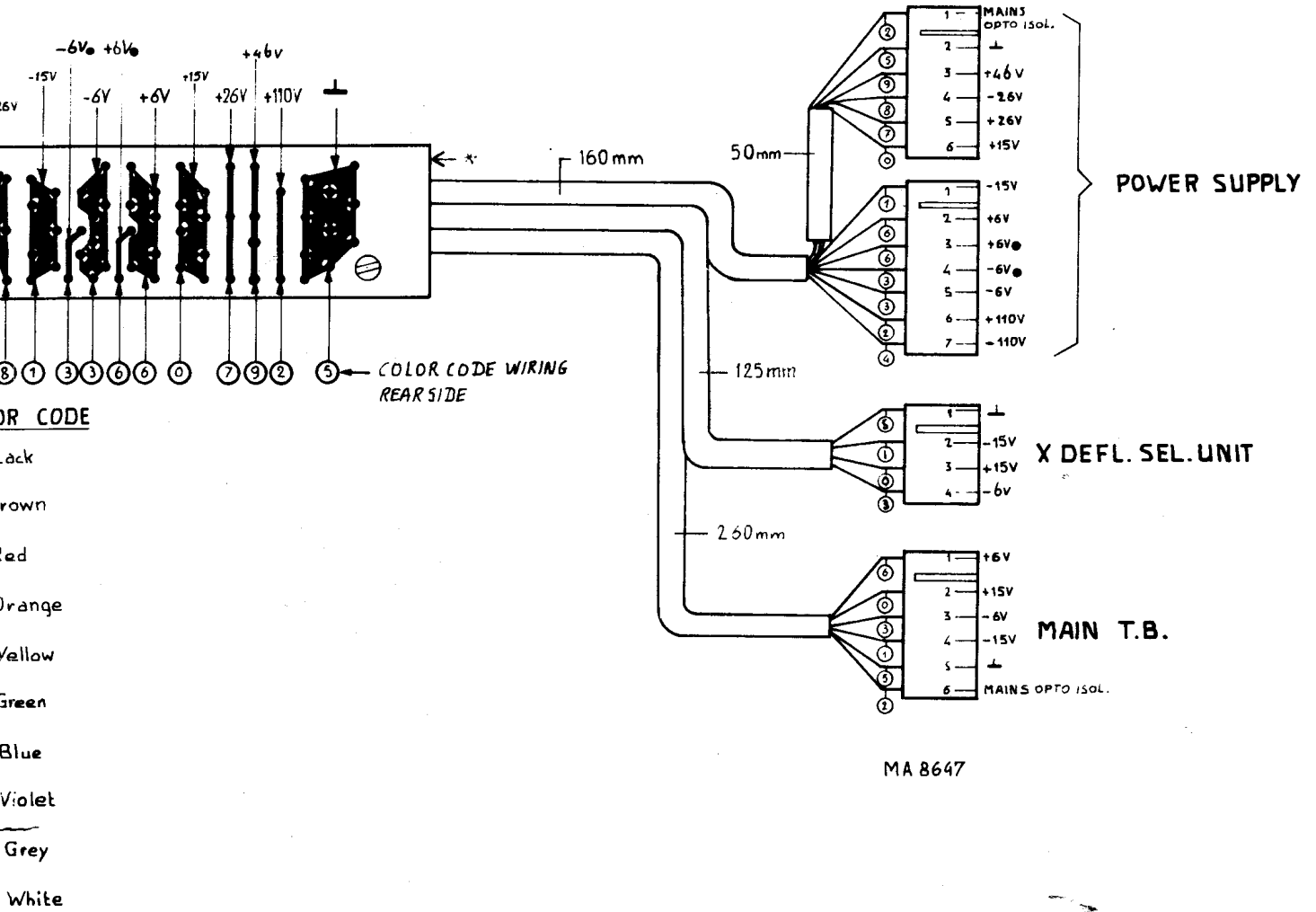


Fig. 3.51. Probe power circuit diagram





\*CABLE LENGTH MEASURED TO P.C. BOARD

Fig. 3.52. Power distribution



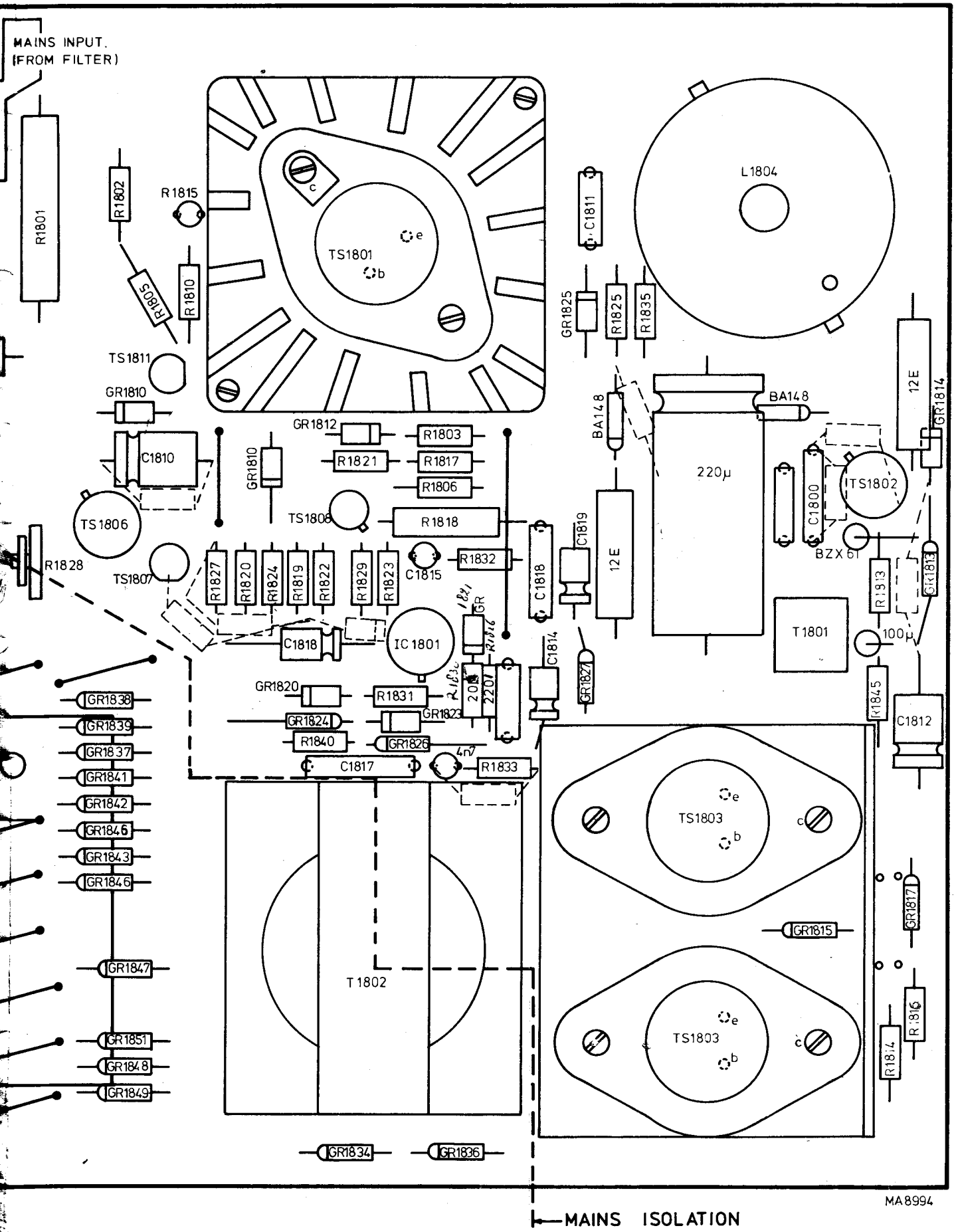
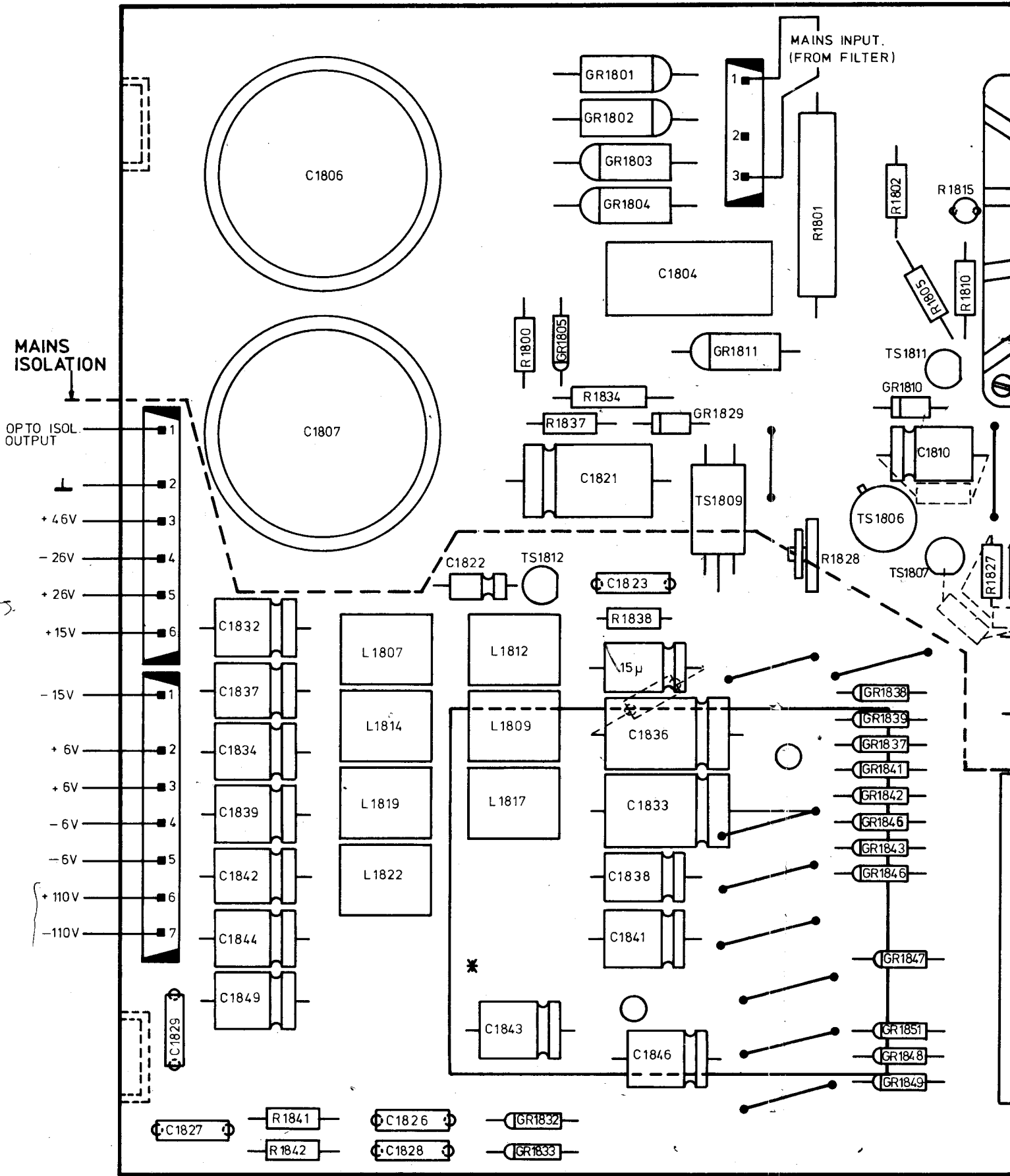


Fig. 3.54. Power supply circuit board



\* C.R.T. HEATER SUPPLY

## QUALITY REPORTING

### CODING SYSTEM FOR FAILURE DESCRIPTION

The following information is meant for Philips service workshops only and serves as a guide for exact reporting of service repairs and maintenance routines on the workshop charts.

For full details reference is made to Information G1 (Introduction) and Information Cd 689 (Specific information for Test and Measuring Instruments).

#### LOCATION



Unit number

e.g. 000A or 0001 (for unit A or 1; **not 00UA or 00U1**)

or: Type number of an accessory (only if delivered with the equipment)

e.g. 9051 or 9532 (for PM 9051 or PM 9532)

or: Unknown/Not applicable  
0000

#### COMPONENT/SEQUENCE NUMBER



Enter the identification as used in the circuit diagram, e.g.:

GR1003	Diode GR1003
TS0023	Transistor TS23
IC0101	Integrated circuit IC101
R0....	Resistor, potentiometer
C0....	Capacitor, variable capacitor
B0....	Tube, valve
LA....	Lamp
VL....	Fuse
SK....	Switch
BU....	Connector, socket, terminal
T0....	Transformer
L0....	Coil
X0....	Crystal
CB....	Circuit block
RE....	Relay
BA....	Battery
TR....	Chopper

#### CATEGORY



- 0 Unknown, not applicable (fault not present, intermittent or disappeared)
- 1 Software error
- 2 Readjustment
- 3 Electrical repair (wiring, solder joint, etc.)
- 4 Mechanical repair (polishing, filing, remachining, etc.)
- 5 Replacement
- 6 Cleaning and/or lubrication
- 7 Operator error
- 8 Missing items (on pre-sale test)
- 9 Environmental requirements are not met

Parts not identified in the circuit diagram:

- 990000 Unknown/Not applicable
- 990001 Cabinet or rack (text plate, emblem, grip, rail, graticule, etc.)
- 990002 Knob (incl. dial knob, cap, etc.)
- 990003 Probe (only if attached to instrument)
- 990004 Leads and associated plugs
- 990005 Holder (valve, transistor, fuse, board, etc.)
- 990006 Complete unit (p.w. board, h.t. unit, etc.)
- 990007 Accessory (only those without type number)
- 990008 Documentation (manual, supplement, etc.)
- 990009 Foreign object
- 990099 Miscellaneous