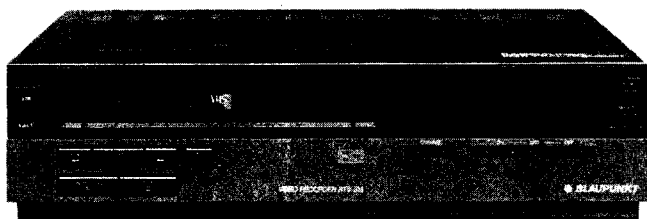


● BLAUPUNKT

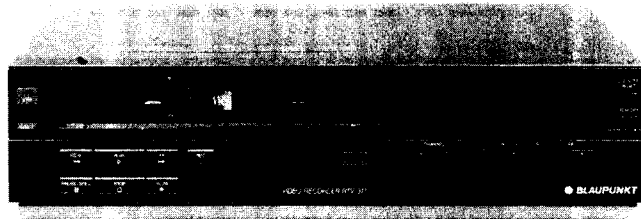
BOSCH Gruppe

Video-Recorder
RTV 316 EGC/ECV/EC/BA
 7618 512/517/514/519
RTV 317 EGC/EC
 7618 513/515
VPS-Adapter 100
 7618 586

Kundendienstschrift · Service Manual



RTV 316



RTV 317



VPS-Adapter 100



IR-Fernbedienung (RTV 317)

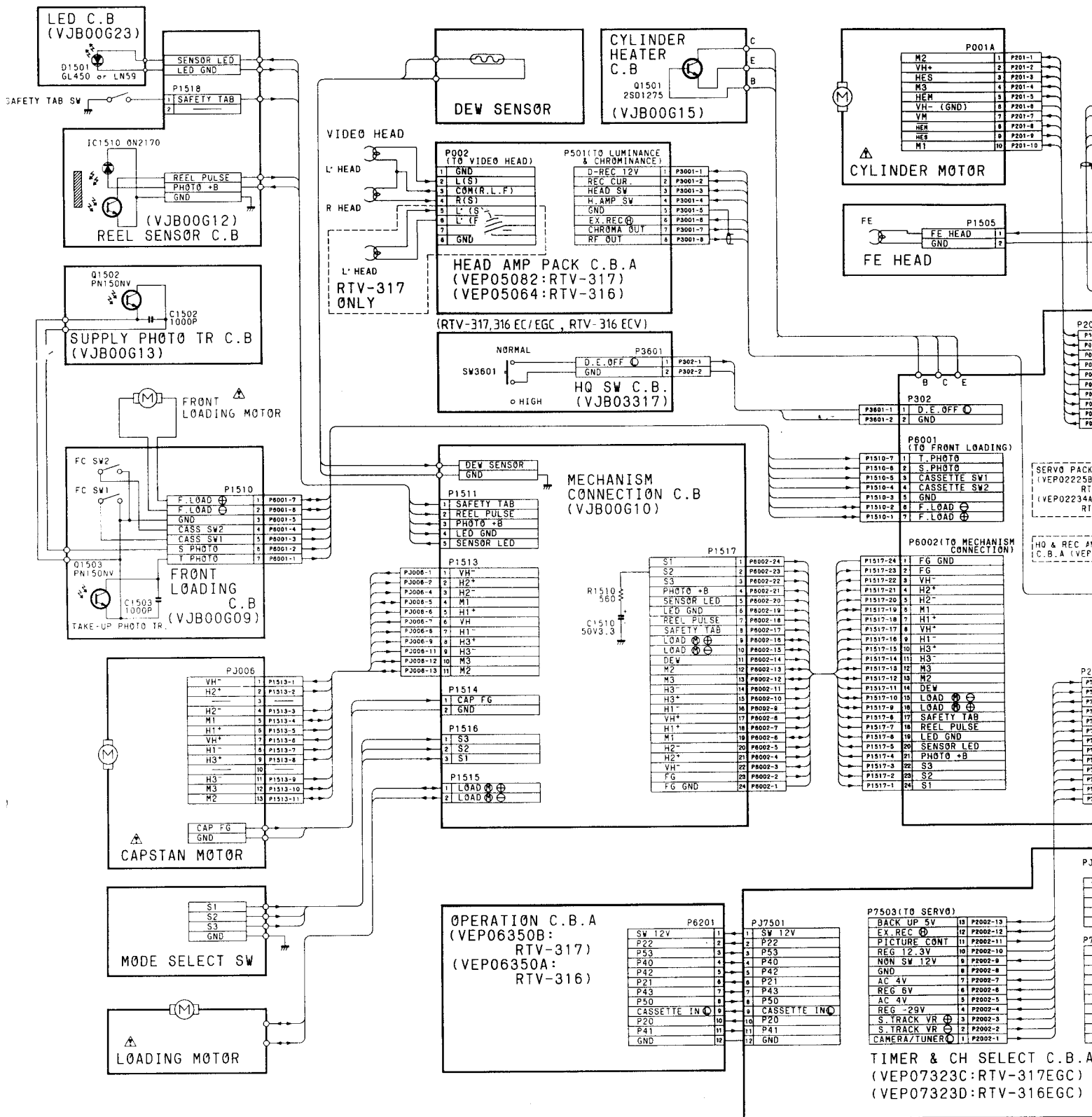
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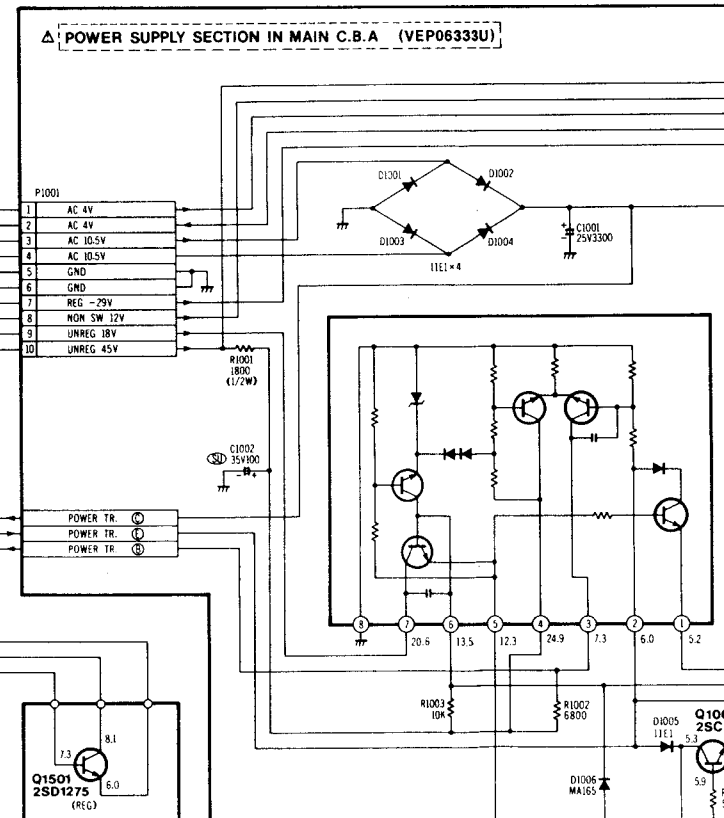
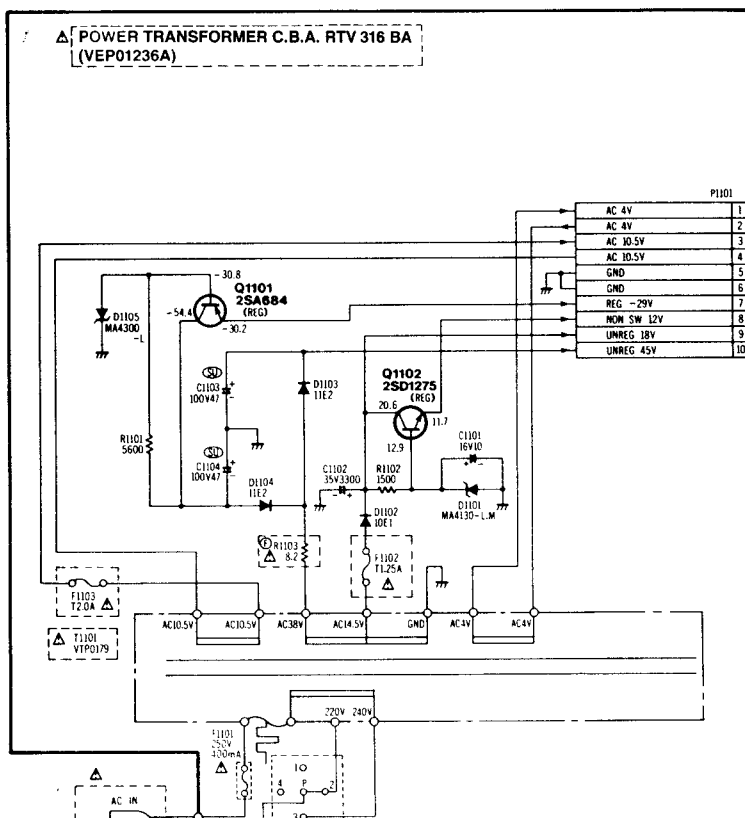
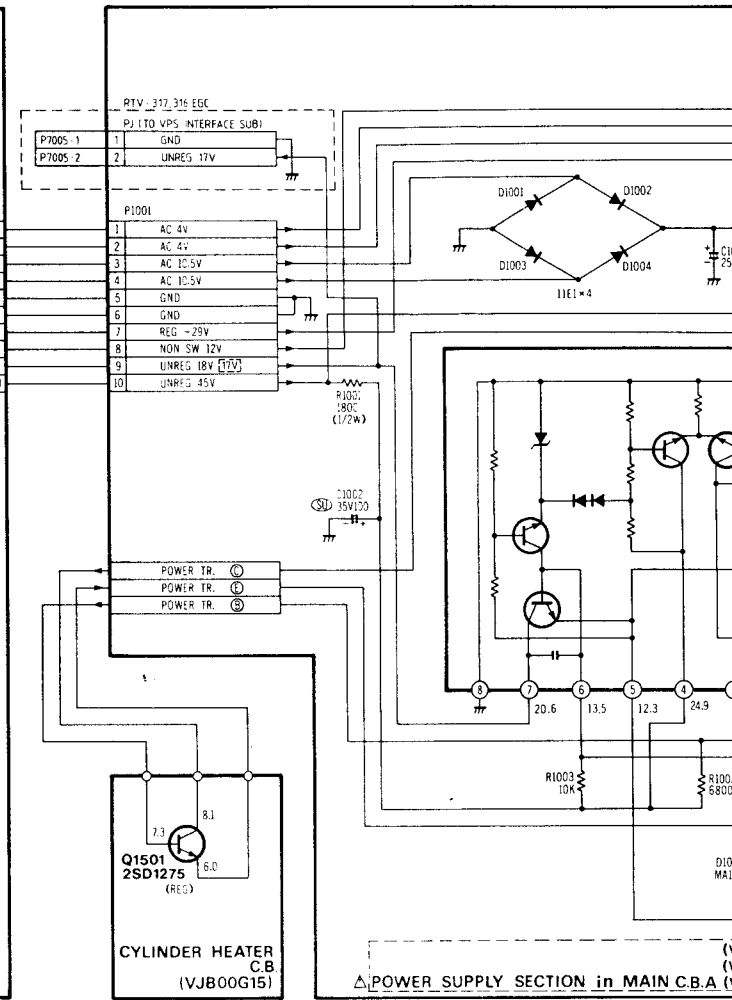
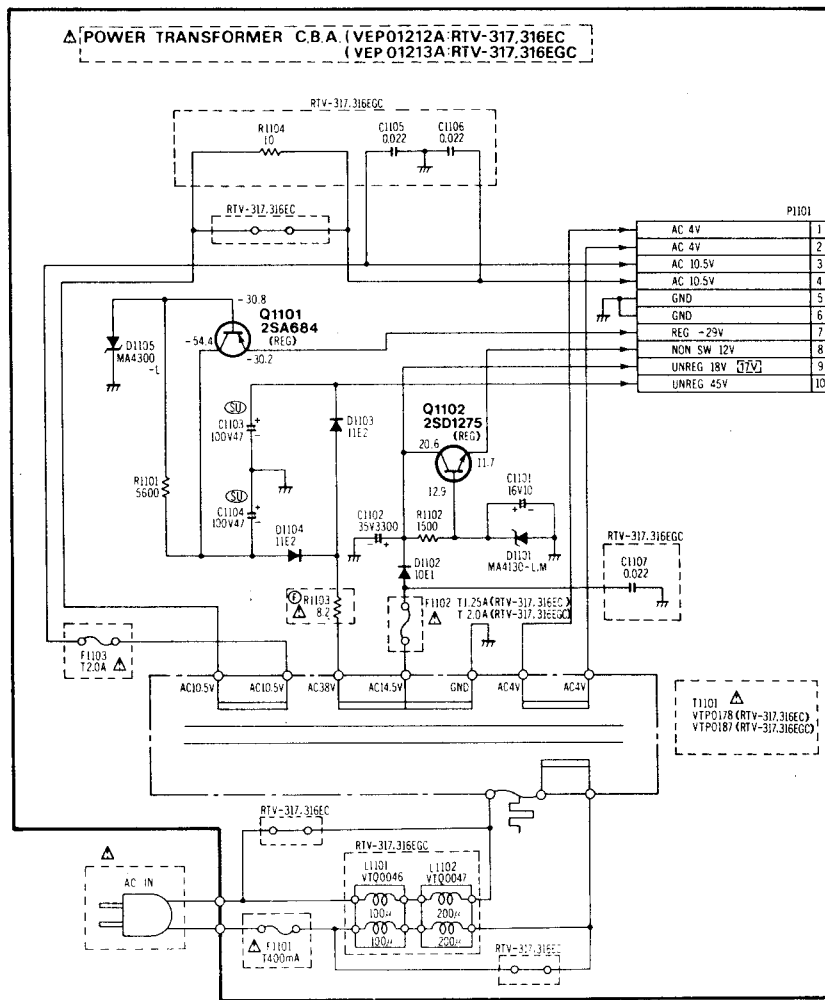
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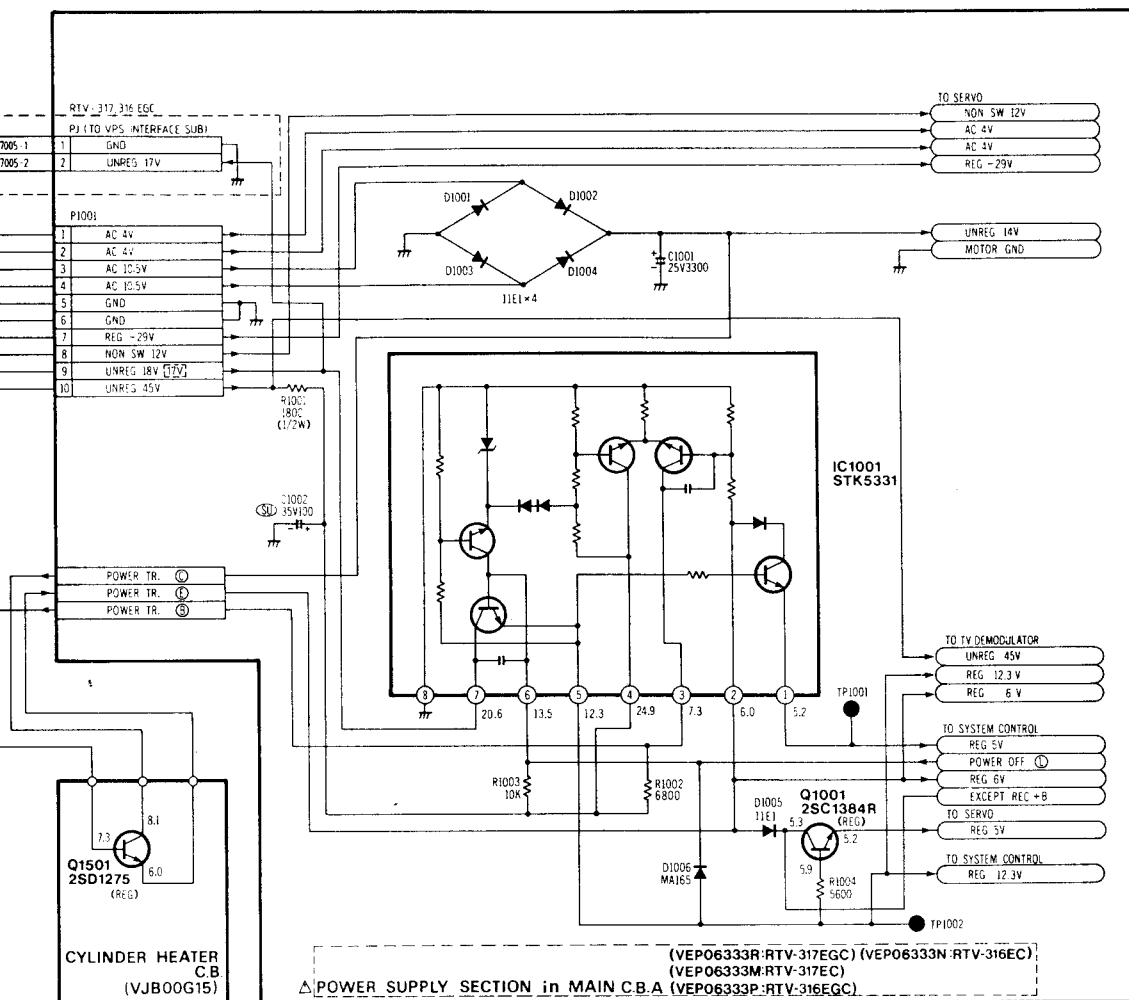
Verdrahtungsplan Interconnection Schematic Diagram



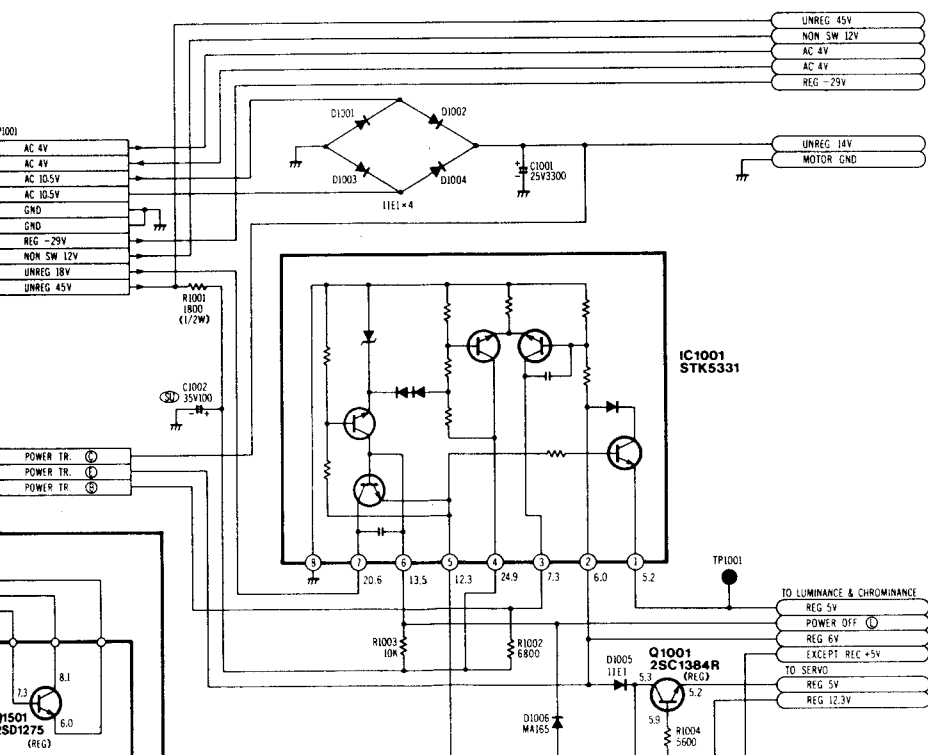
Schaltbild Netzteil (RTV 316/317 EGC, EC u. RTV 316 BA) Power Supply Schematic Diagram (RTV 316/317 EGC, EC and RTV 316 BA)



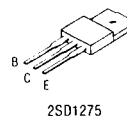
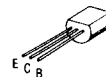
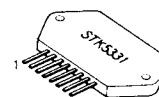
and RTV 316 BA)



△ POWER SUPPLY SECTION IN MAIN C.B.A (VEP06333U)

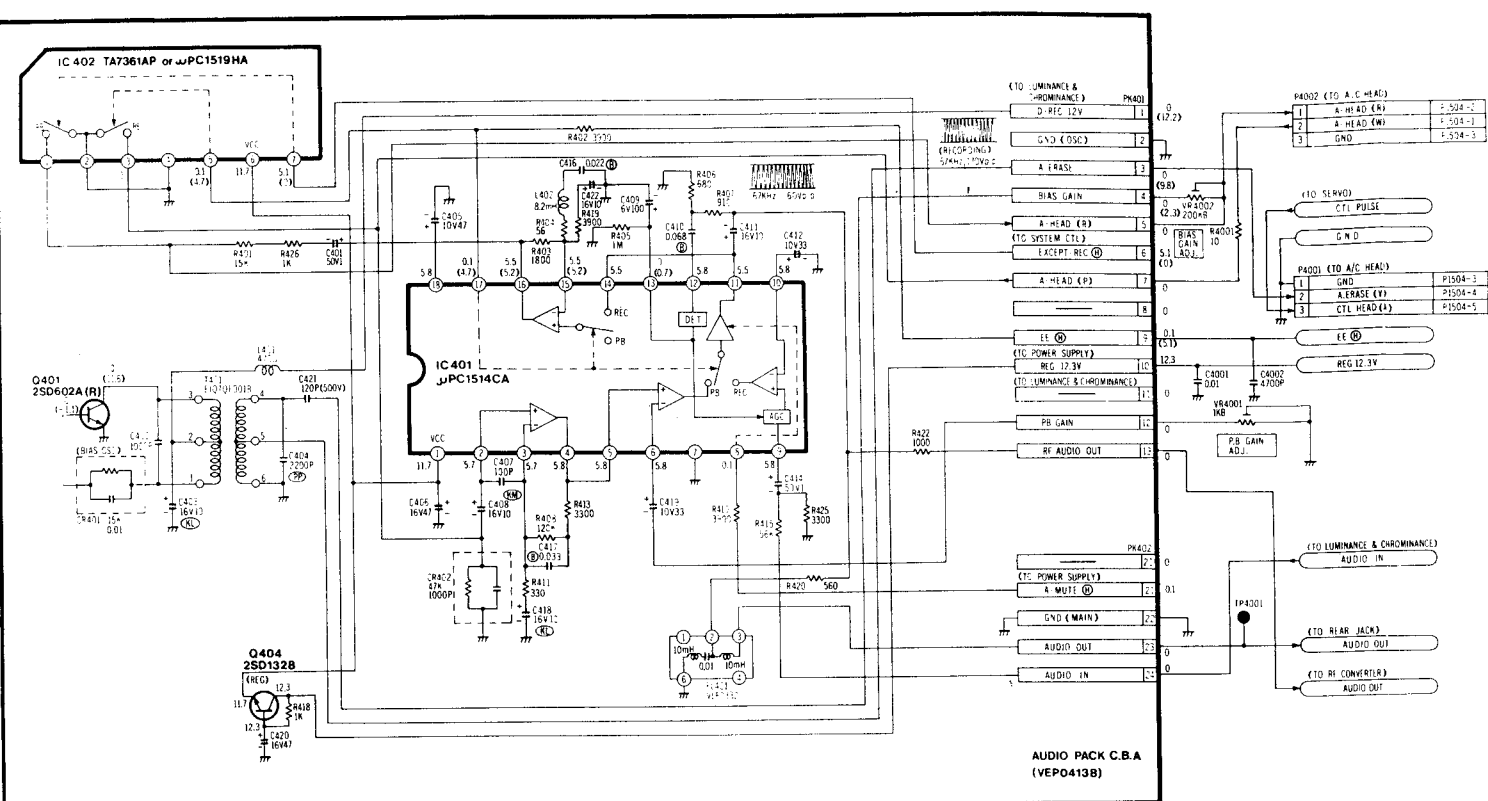


Halbleiter-Anschlußpunkte Semi Conductor Connections

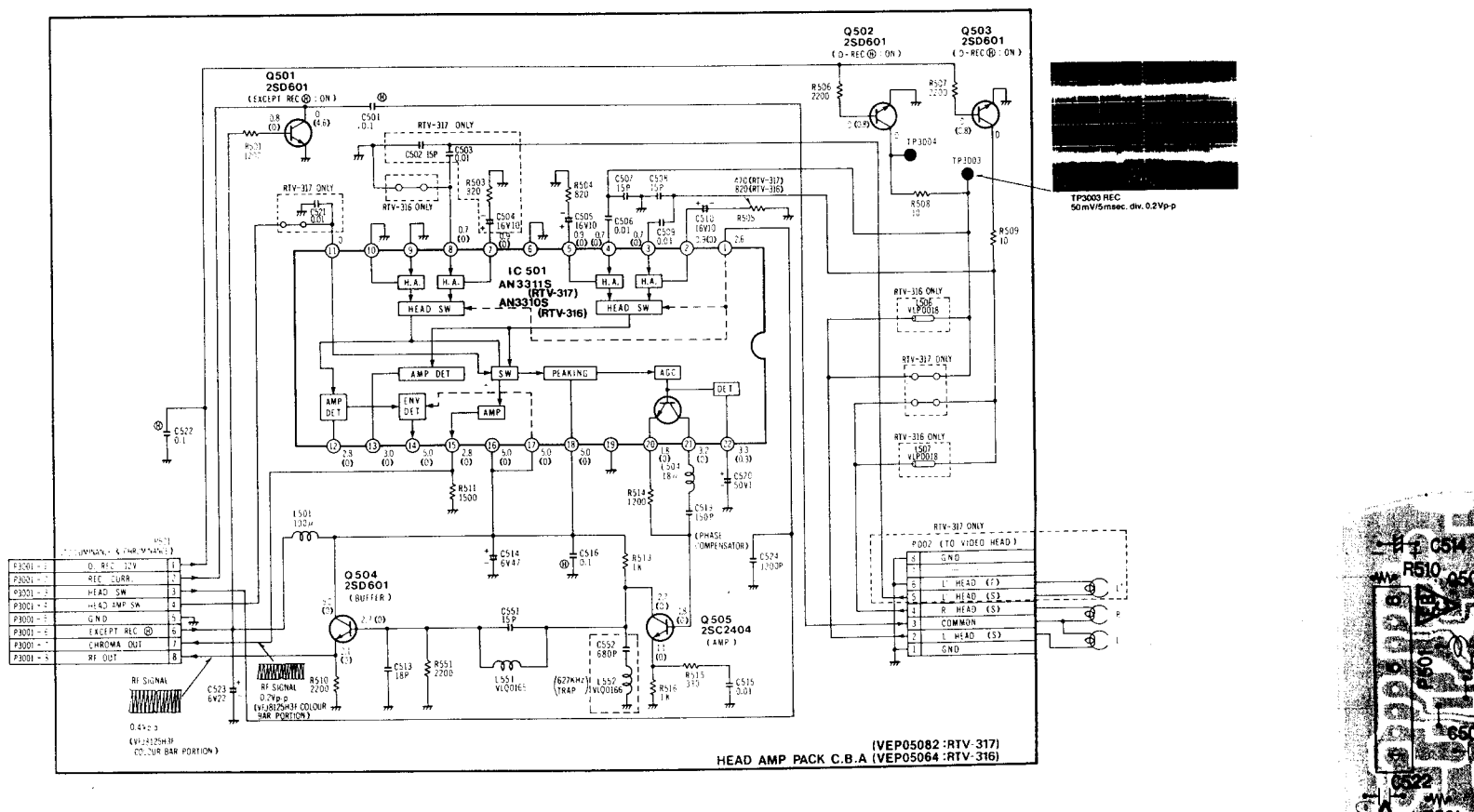


Sicherheitsbauelement (muß durch Originalteil
Security component (must be replaced by origi

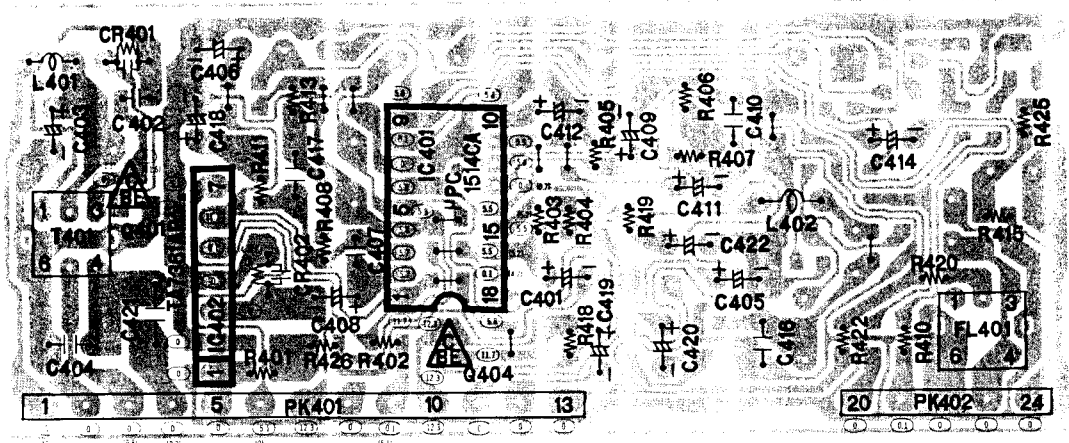
Schaltbild des Tonteils Audio Schematic Diagram



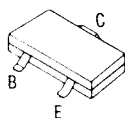
Schaltbild des Kopfverstärkers Head Amp. Schematic Diagram



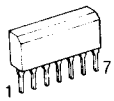
Tonteil-Platine Audio Circuit Board



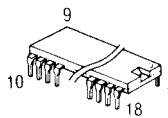
Halbleiteranschlußpunkte Semi Conductor Connection



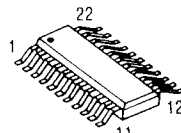
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2SD1328



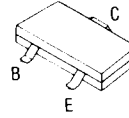
TA7361AP



µPC1514CA

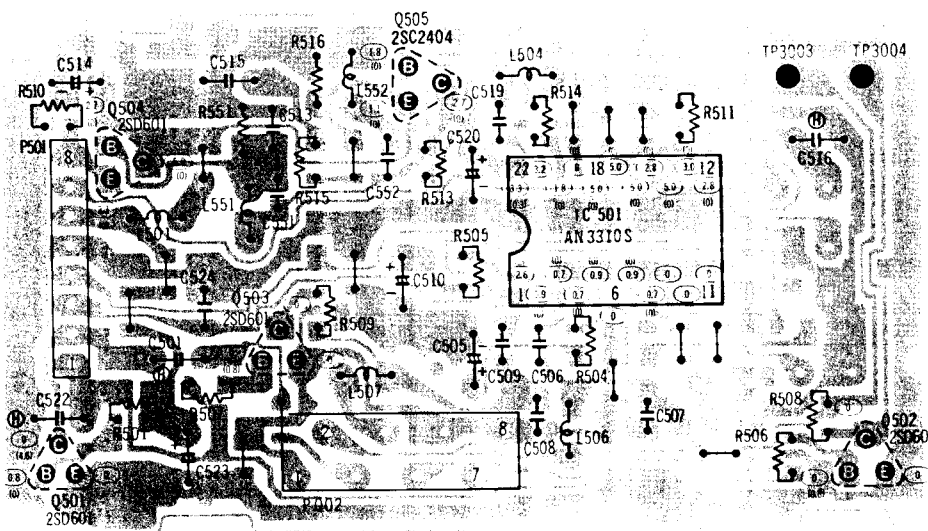


AN3311S

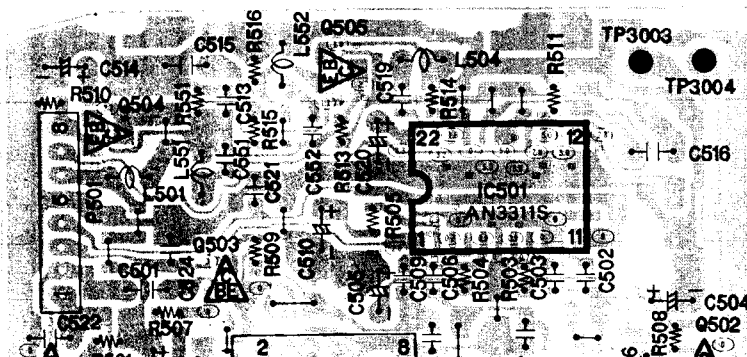


2SD601
2SC2404

Kopfverstärker-Platine (RTV 316) Head Amp. Circuit Board (RTV 316)

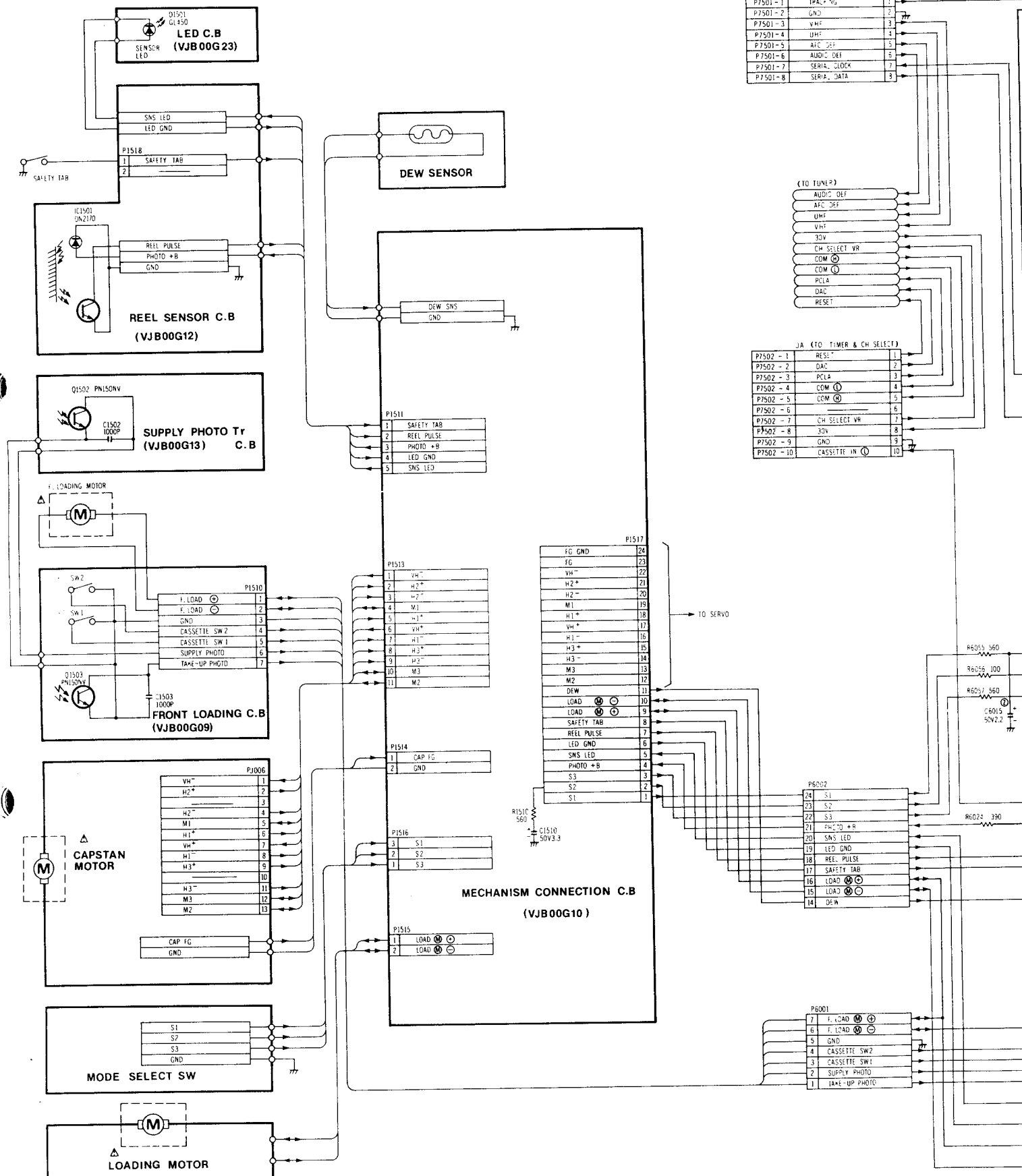


Kopfverstärker-Platine (RTV 317) Head Amp. Circuit Board (RTV 317)

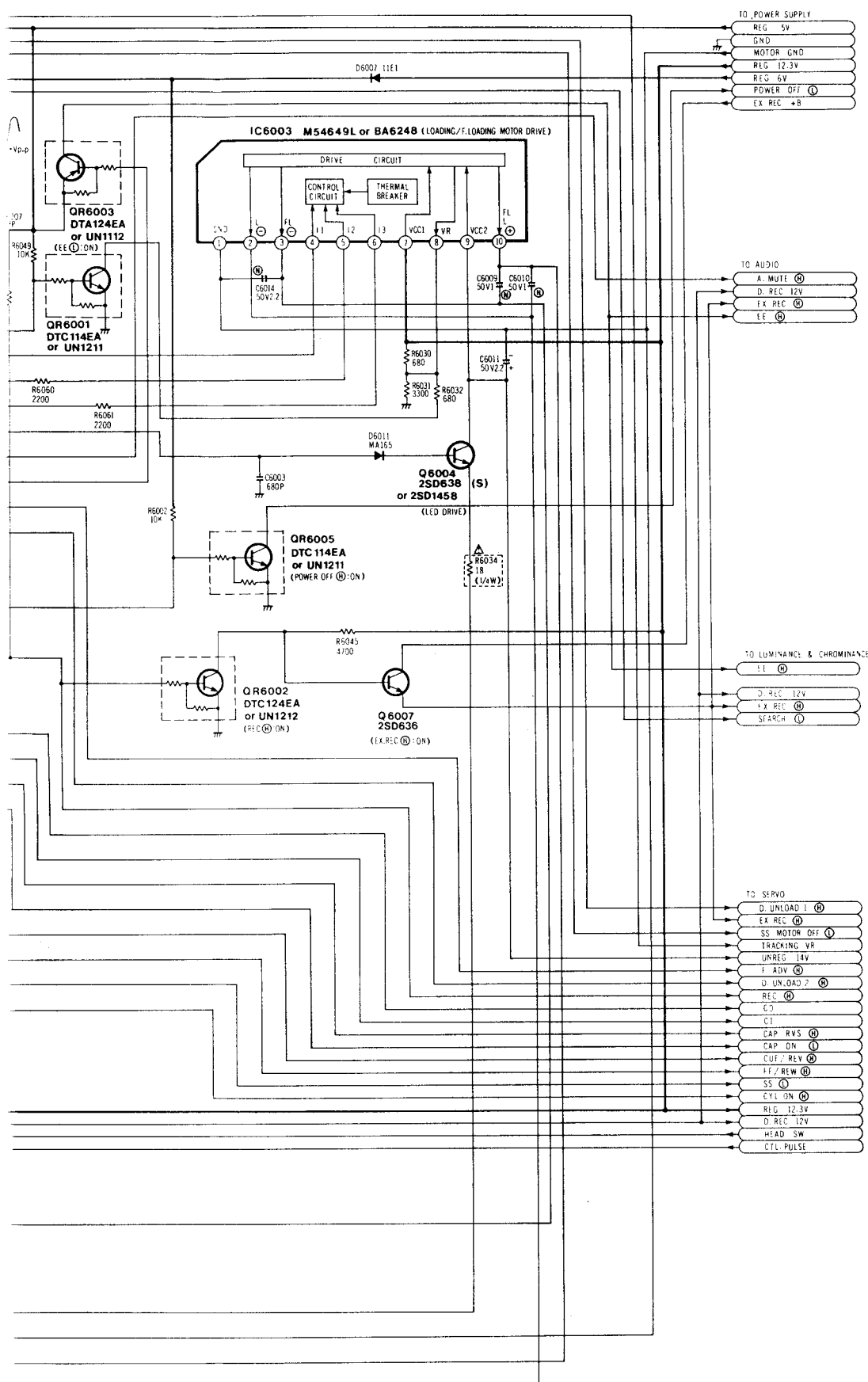


Gleichspannungen Tol. $\pm 15\%$ mit Digitalvoltmeter gegen $\perp$ gemes-

Schaltbild der Systemsteuerung System Control Schematic Diagram



Hauptplatine Main Circuit E



LED C. BOA
(VJB00G23)

CYLINDER
C. BOA

Hauptplatine Main Circuit Board

MECHANISM CONNECTION C. BOARD (VJB00G10)

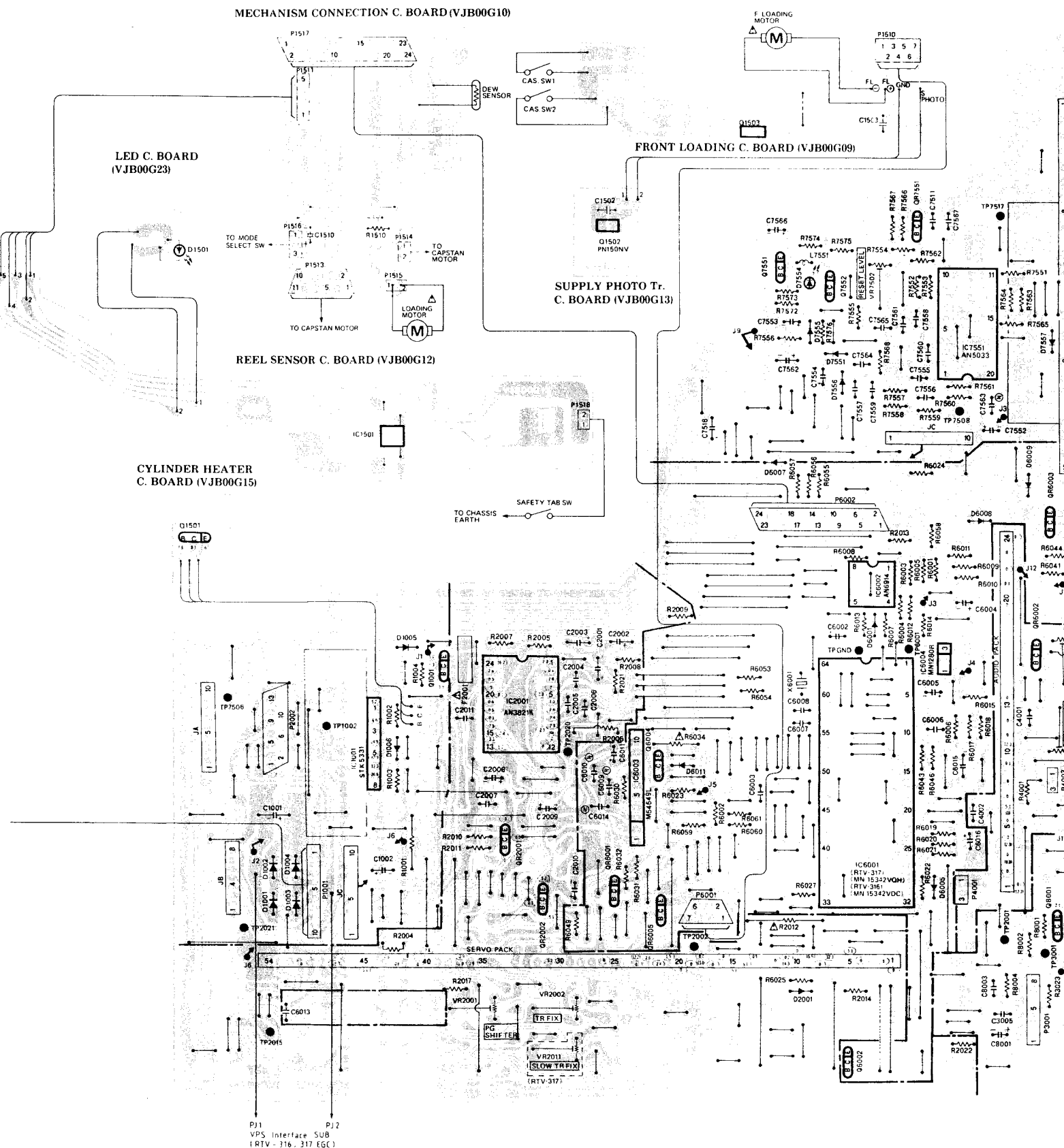
LED C. BOARD
(VJB00G23)

FRONT LOADING C. BOARD (VJB00G09)

SUPPLY PHOTO Tr.
C. BOARD (VJB00G13)

REEL SENSOR C. BOARD (VJB00G12)

CYLINDER HEATER
C. BOARD (VJB00G15)



Spannungstabelle der Systemsteuerungs-IC's System Control ICs Voltage Chart

REF. NO.	IC6001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
STOP	0	0	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.1	4.8	4.9	4.9	5.3	3.0	0	5.0	3.3
PLAY	0	5.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.2	4.8	4.9	4.9	5.3	3.0	2.6	—	3.3
REC	0	5.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	3.0	4.8	4.9	4.9	5.3	3.0	2.6	—	3.3
F.F	0	0.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.1	4.8	4.9	4.9	5.3	3.0	0	2.7	3.3
REW	0	0.1	5.1	0	0	5.1	0	5.1	5.2	3.9	5.3	0.1	4.8	4.9	4.9	5.3	3.0	0	2.7	3.3

REF. NO.	IC6001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
STOP	3.3	0	5.3	0	5.3	5.3	0.1	5.3	0	5.1	1.2	0.9	4.5	0.1	5.1	0	0.1	5.1	0	0
PLAY	3.3	0	5.3	0	5.3	5.3	5.3	0.1	0	5.1	1.2	0.9	4.5	5.1	5.1	0	0	0	0	0
REC	3.3	0	5.3	0	5.3	5.3	5.3	0.1	0	5.1	1.2	0.9	4.5	5.1	5.1	0	0	0	0	0
F.F	3.3	0	5.3	0	5.3	5.3	0.1	5.3	0.1	0	5.1	1.2	0.9	4.5	0	5.1	5.1	0	0	5.1
REW	3.3	0	5.3	0	5.3	5.3	0.1	5.3	0.1	0	5.1	1.2	0.9	4.5	0	5.1	5.1	0	0	5.1

REF. NO.	IC6001																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
STOP	0	0.7	12.3	0.2	0.3	0.1	0	5.1	0	0	0.1	0	0	0	0	0	5.0	0	5.1	5.1
PLAY	5.1	0.5	12.3	0.2	0.3	0.1	0	5.1	0	0	5.1	0	0.6	0	0	0	5.0	0	5.1	5.1
REC	5.1	0	0.3	4.3	0.3	0.1	0	5.1	0	0	0.1	0	0.6	0	0	0	5.0	0	5.1	5.1
F.F	5.1	0.8	12.3	0.2	12.3	0.1	0	5.1	0	0	0	0	0.6	0	0	0	5.0	0	5.1	5.1
REW	5.1	0.8	12.3	0.2	12.3	0.1	0	5.1	0	0	0	0	0.6	0	0	0	5.0	0	5.1	5.1

REF. NO.	IC6001										IC6002									
MODE	61	62	63	64							1	2	3	4	5	6	7	8		
STOP	4.8	2.1	2.2	5.1							5.0	0.3	2.7	0	0	0.4	0	5.3		
PLAY	4.8	2.1	2.2	5.1							—	—	2.7	0	0	0.4	0	5.3		
REC	4.8	2.1	2.2	5.1							—	—	2.7	0	0	0.4	0	5.3		
F.F	4.8	2.1	2.2	5.1							2.7	2.4	2.7	0	0	0.4	0	5.3		
REW	4.8	2.1	2.2	5.1							2.7	2.4	2.7	0	0	0.4	0	5.3		

REF. NO.	IC6003										IC6004									
MODE	1	2	3	4	5	6	7	8	9	10	1	2	3							
STOP	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
PLAY	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
REC	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
F.F	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							
REW	0	0.2	0.2	0	0	0	12.3	5.6	16.2	0.2	5.3	5.3	0							

Spannungstabelle der Systemsteuerungs-Transistoren System Control Transistors Voltage Chart

REF. NO.	Q6002			Q6003			Q6004			Q6005			Q6006			Q6007		
MODE	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B	E	C	B
STOP	0.9	1.0	1.6	12.3	12.2	11.6	0.1	16.2	0.5	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9
PLAY	0.9	1.0	1.6	12.3	12.2	11.6	0.6	16.2	0.9	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9
REC	0.9	1.0	1.6	12.3	12.2	11.6	0.6	16.2	1.0	12.3	12.2	11.6	12.3	12.3	11.6	0	5.3	0
F.F	0.9	1.0	1.6	12.3	0	12.3	0.6	16.2	0.9	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9
REW	0.9	1.0	1.6	12.3	0	12.3	0.6	16.2	1.0	12.3	0	12.3	12.3	12.3	11.6	5.1	5.3	5.9

REF. NO.	QR6001			QR6002			QR6003			QR6005									
MODE	E	C	B	E	C	B	E	C	B	E	C	B							
STOP	0	0	5.0	0	5.9	0.2	5.1	5.1	0.1	0	13.6	0.1							
PLAY	0	0	5.0	0	5.9	0.2	5.1	5.1	0.1	0	13.6	0.1							
REC	0	0	5.0	0	0	4.3	5.1	5.1	0.1	0	13.6	0.1							
F.F	0	0	5.0	0	5.9	0.2	5.1	5.1	0	0	13.0	0.1							
REW	0	0	5.0	0	5.9	0.2	5.1	5.1	0	0	13.6	0.1							

Mikroproz
Microproc

STOP → PL
IC Pin No

56
57
34
38
41
40
26
27
28

PLAY → ST
IC Pin No

56
57
34
38
41
40
49
26
27
28

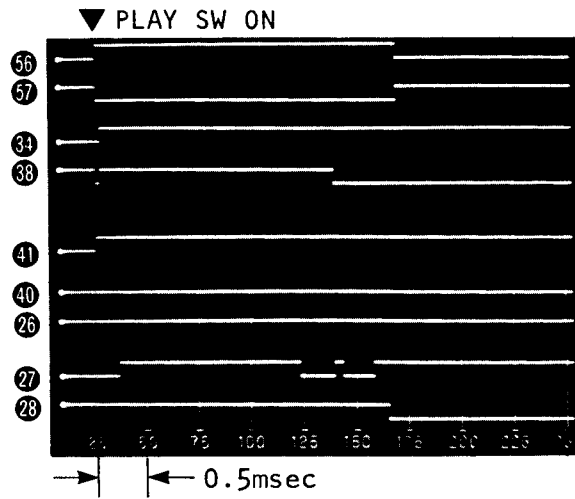
STOP → F
IC Pin No

56
57
38
41
40
26
27
28

Mikroprozessor (IC 6001: MN 15342 VQH/VEE/VDC/VEJ) Ablaufdiagramme **Microprocessor (IC 6001: MN 15342 VQH/VEE/VDC/VEJ) Timing Charts**

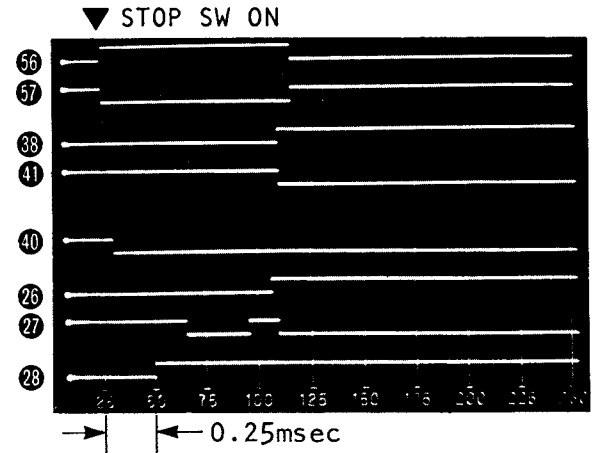
STOP → PLAY

IC Pin No.



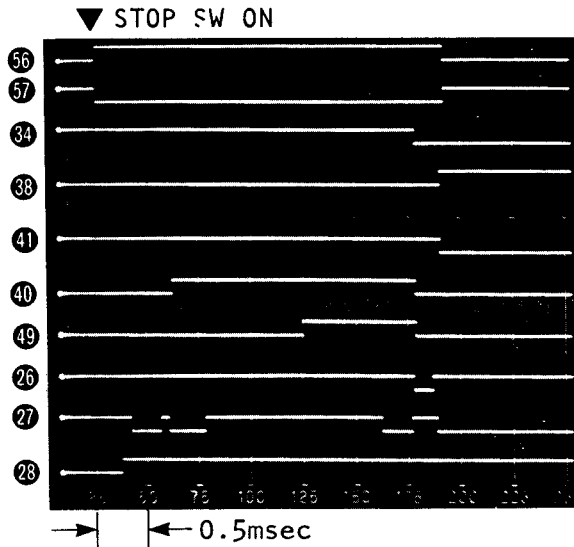
FF → STOP

IC Pin No.



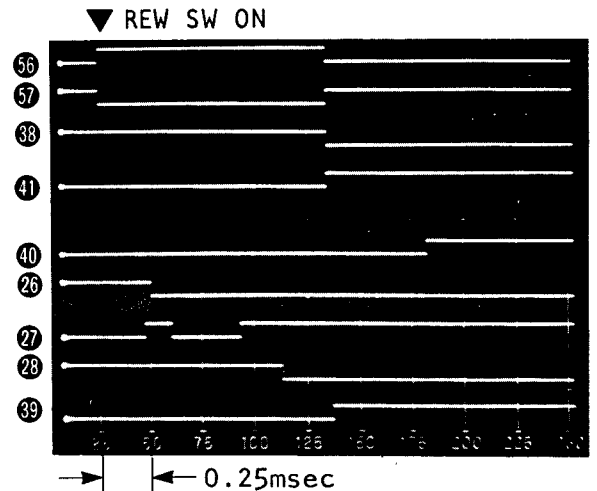
PLAY → STOP

IC Pin No.



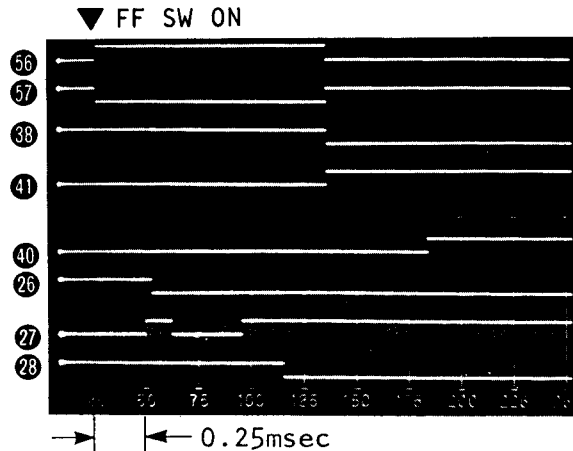
STOP → REW

IC Pin No.



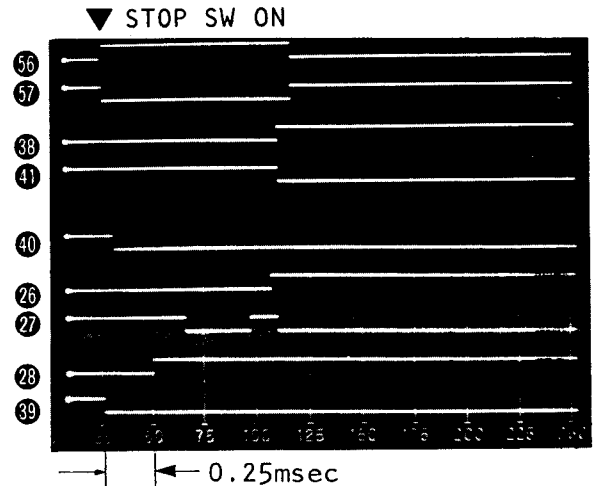
STOP → FF

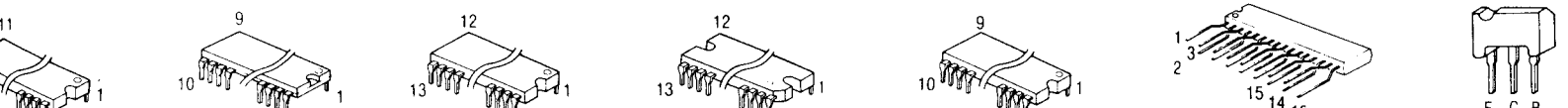
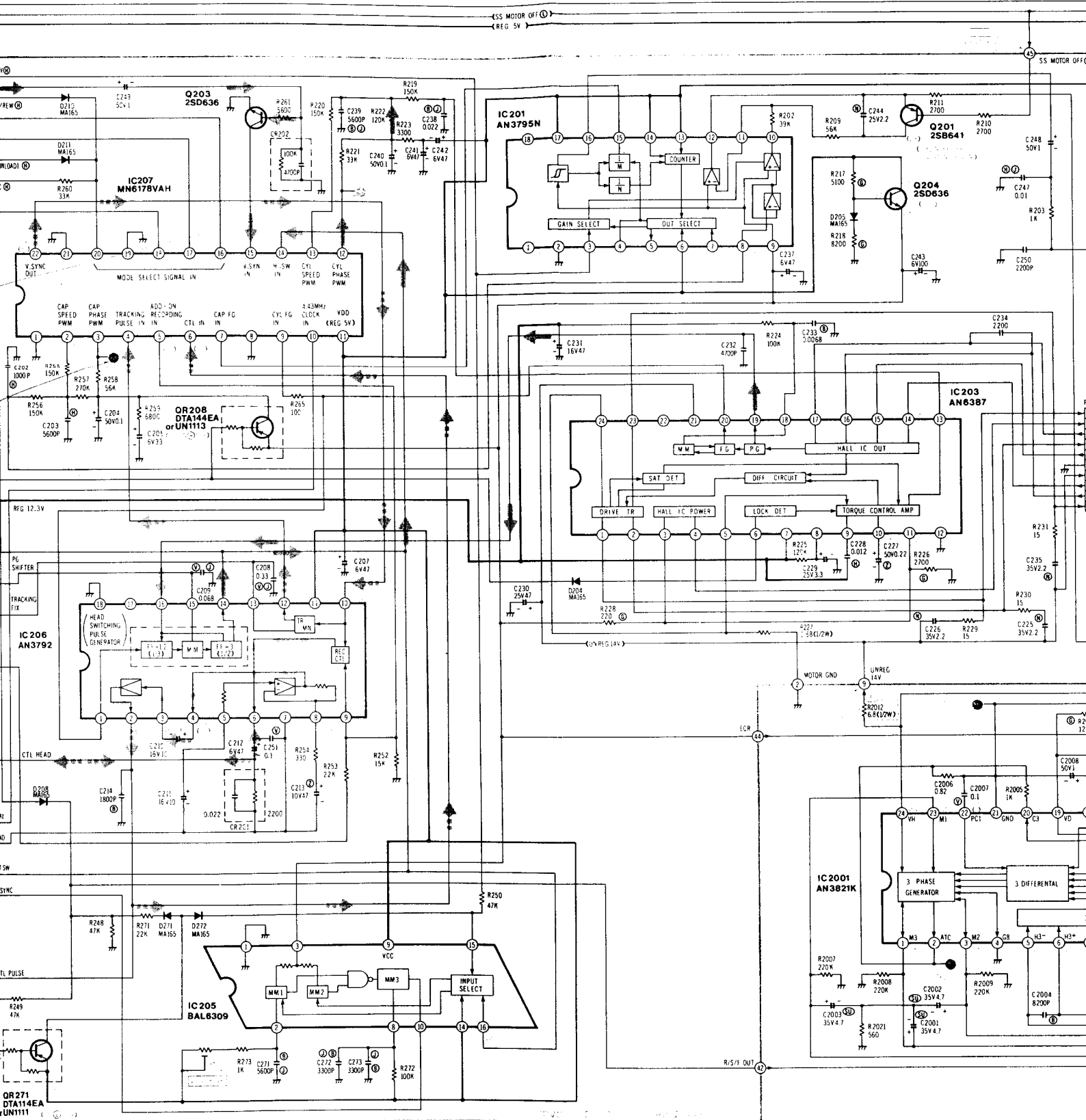
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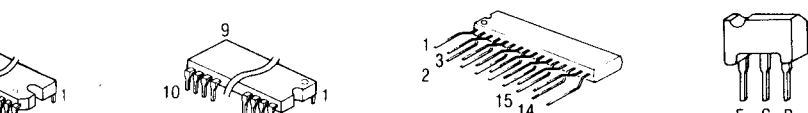
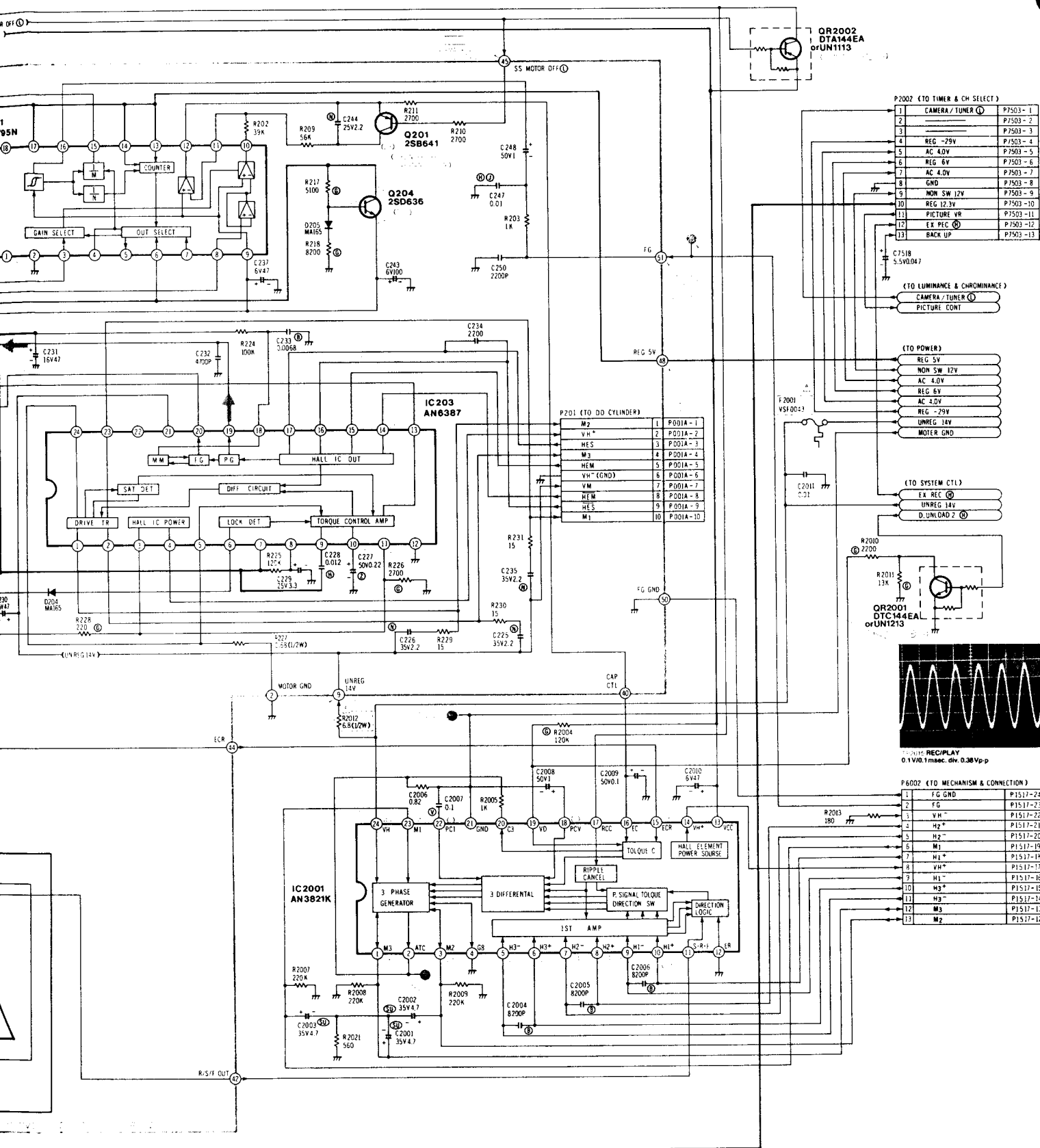


REW → STOP

IC Pin No.

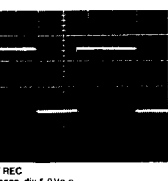
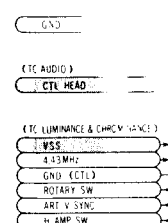
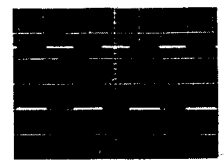
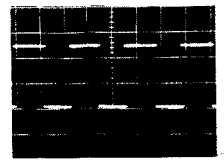
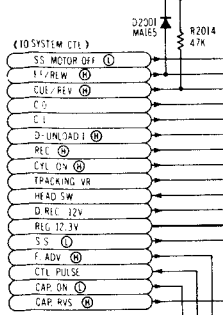
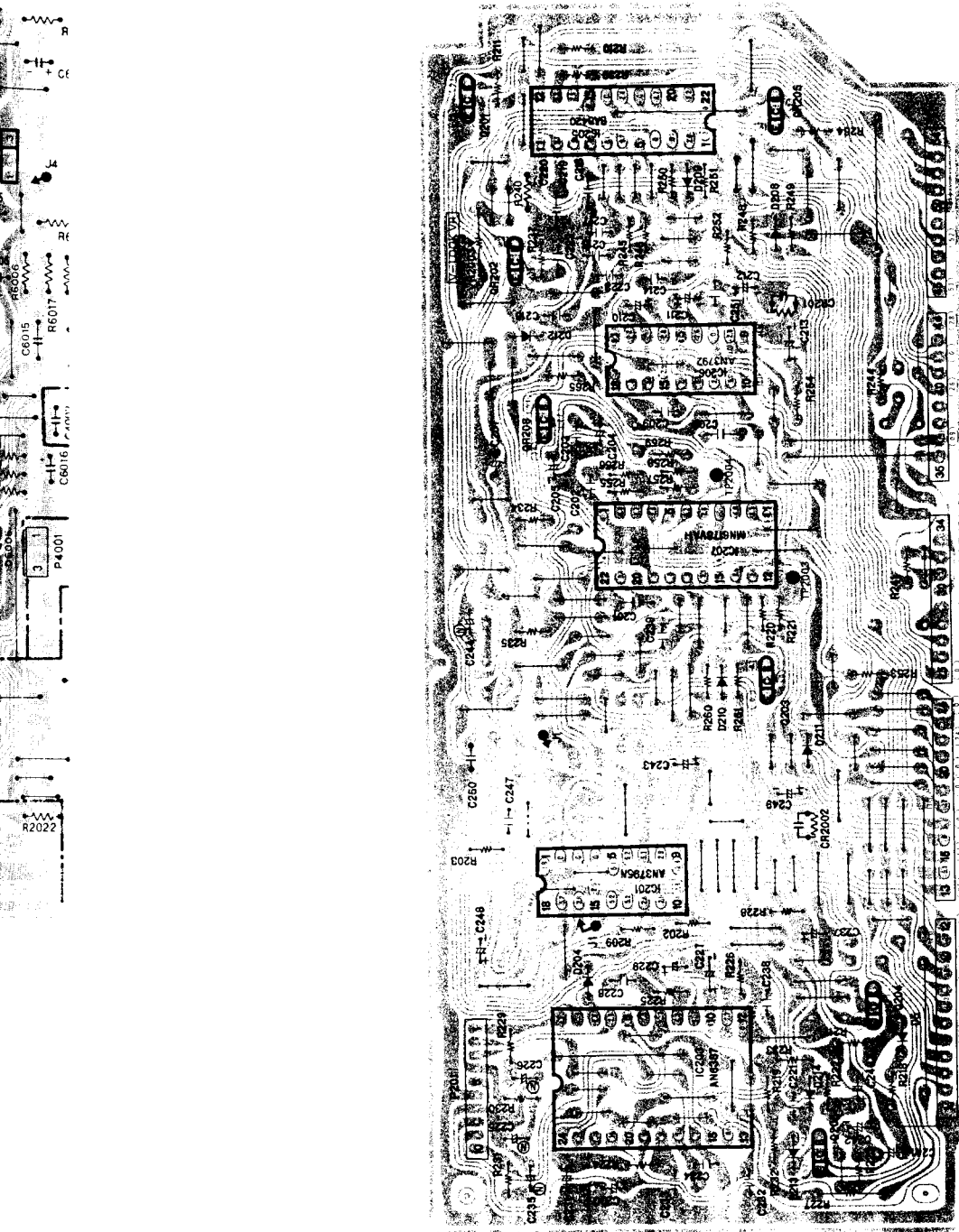




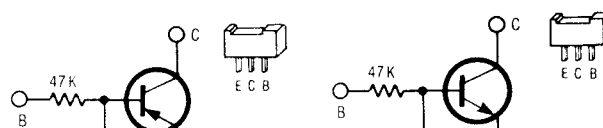
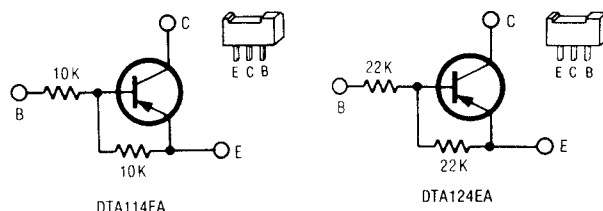


Servo-Zusatzplatine (RTV 317) Servo Pack Circuit Board (RTV 317)

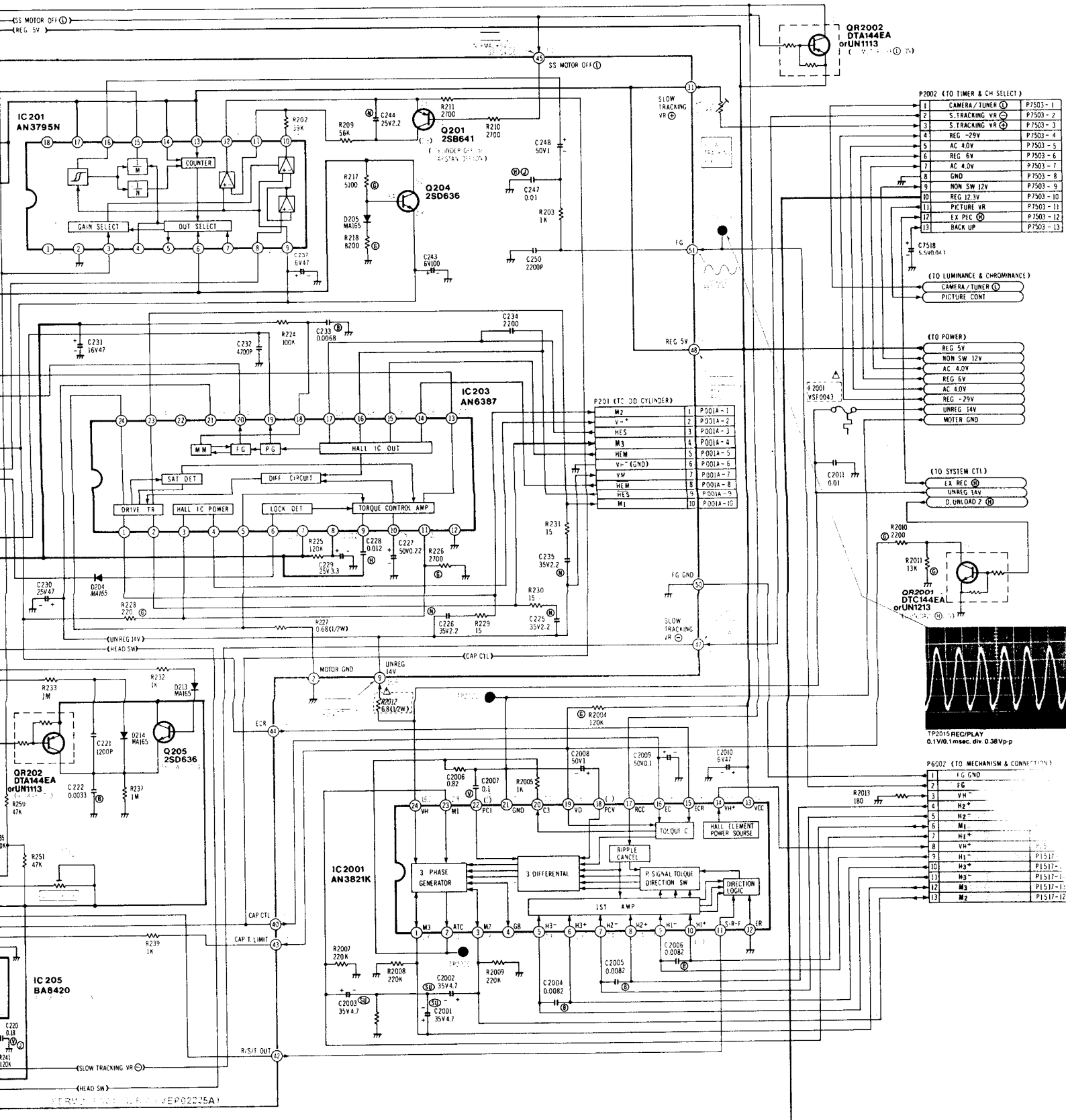
Schaltbild Servo Sch



Halbleiter-Anschlußpunkte Semi Conductor Connection

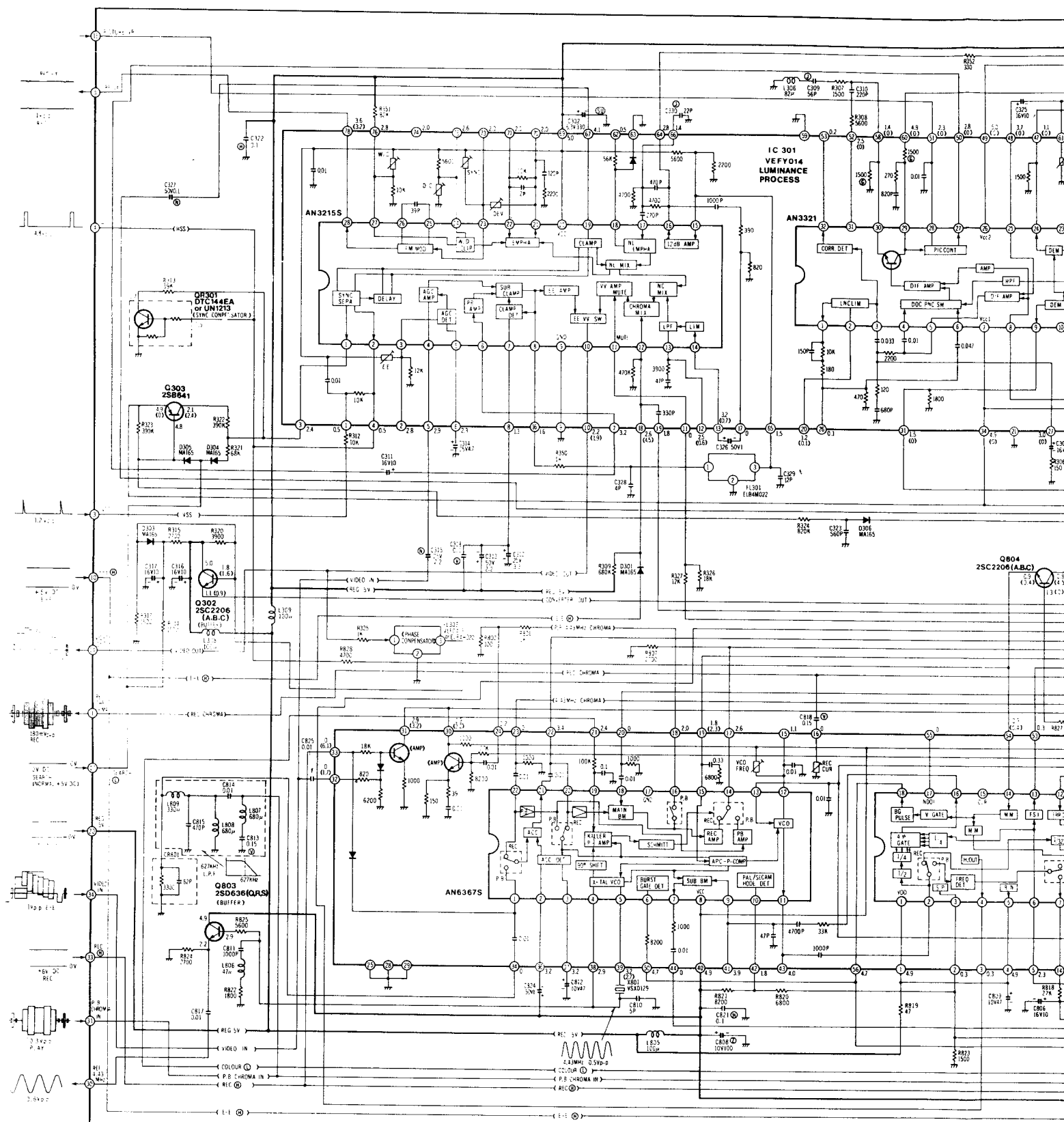


Halbleiter-A Semi Condu

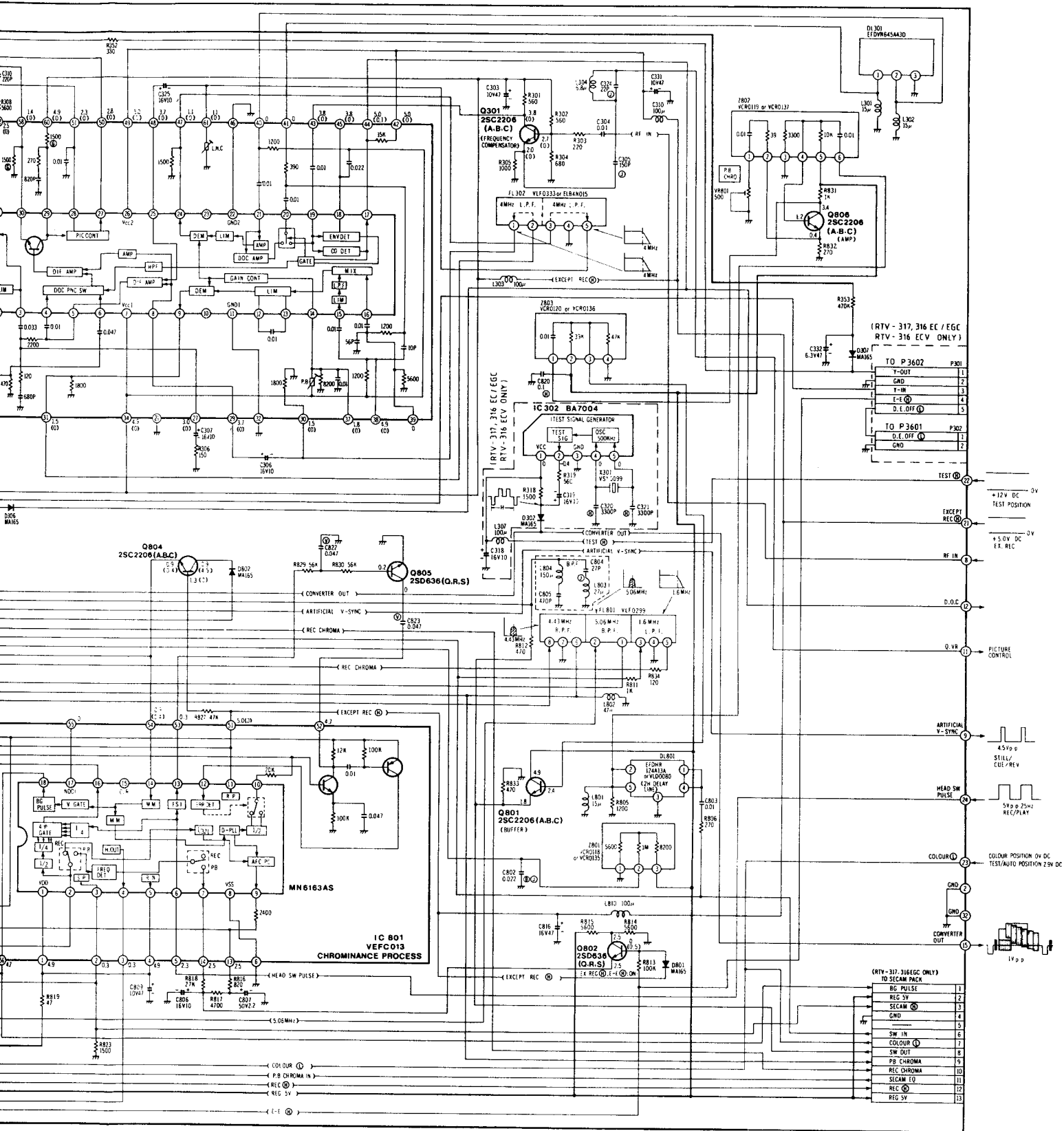


Gleichspannungen Tol. $\pm 15\%$ mit Digitalvoltmeter gegen — gemessen. Wiedergabe: () Aufnahme.

Schaltbild der Luminanz- und Farb-Zusatzplatine Luminance and Chrominance Pack Schematic Diagram

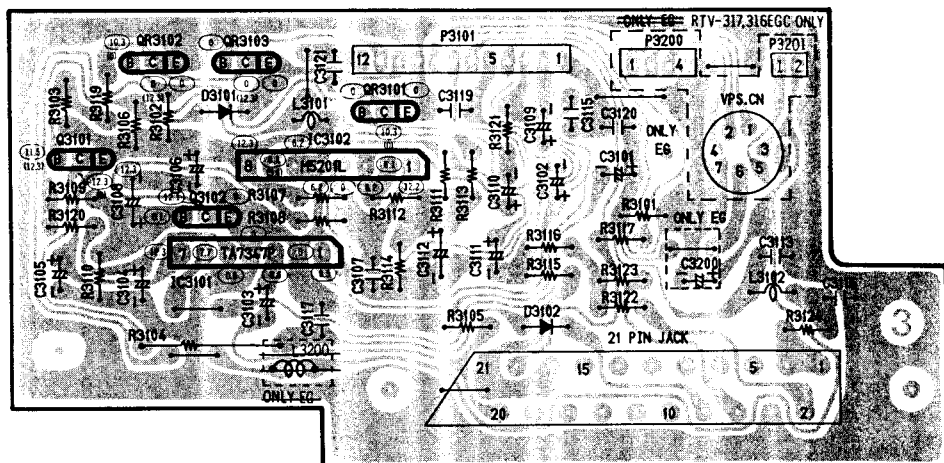
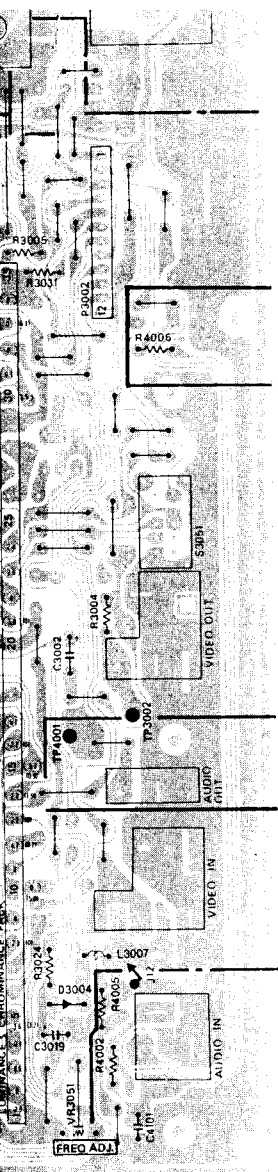


Gleichspannungen Töl. $\pm 15\%$ mit Digitalvoltmeter gegen $\perp$ gemessen „Wiedergabe“, () $\triangle$ Aufnahme.

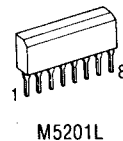
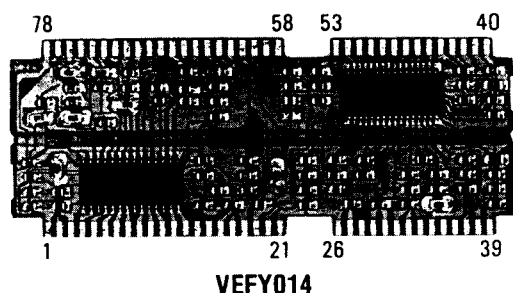


auf der Hauptplatine ance Section in Main Board

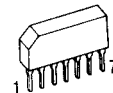
Zusatzplatine Eingangswahlteil Input Select Pack Circuit Board



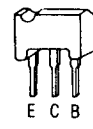
Halbleiter-Anschlußpunkte Semi Conductor Connection



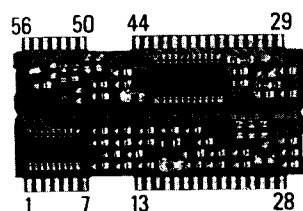
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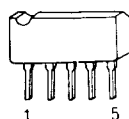
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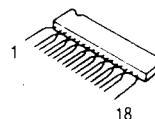
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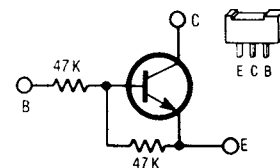
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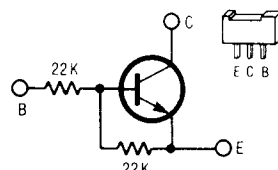
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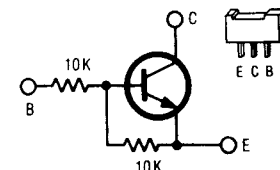
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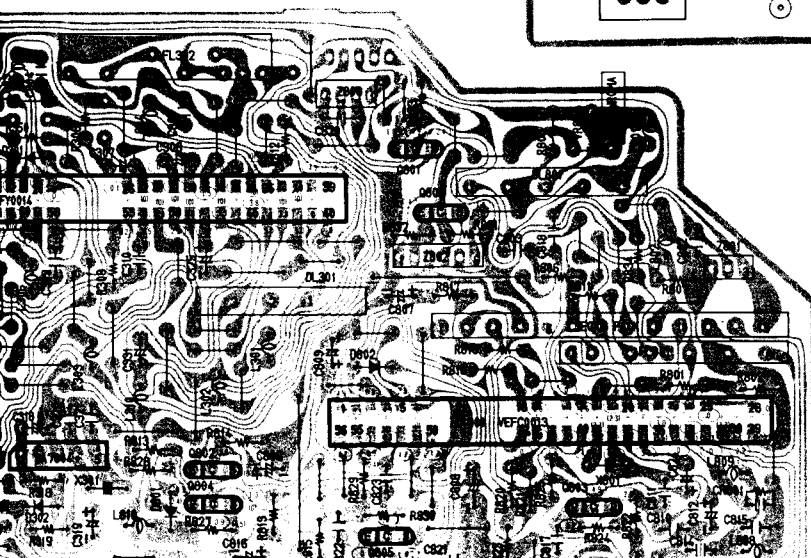
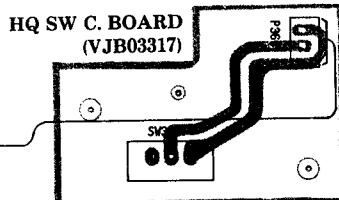


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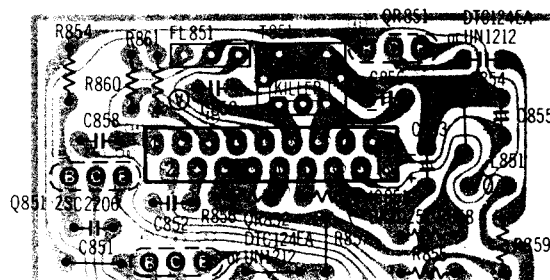


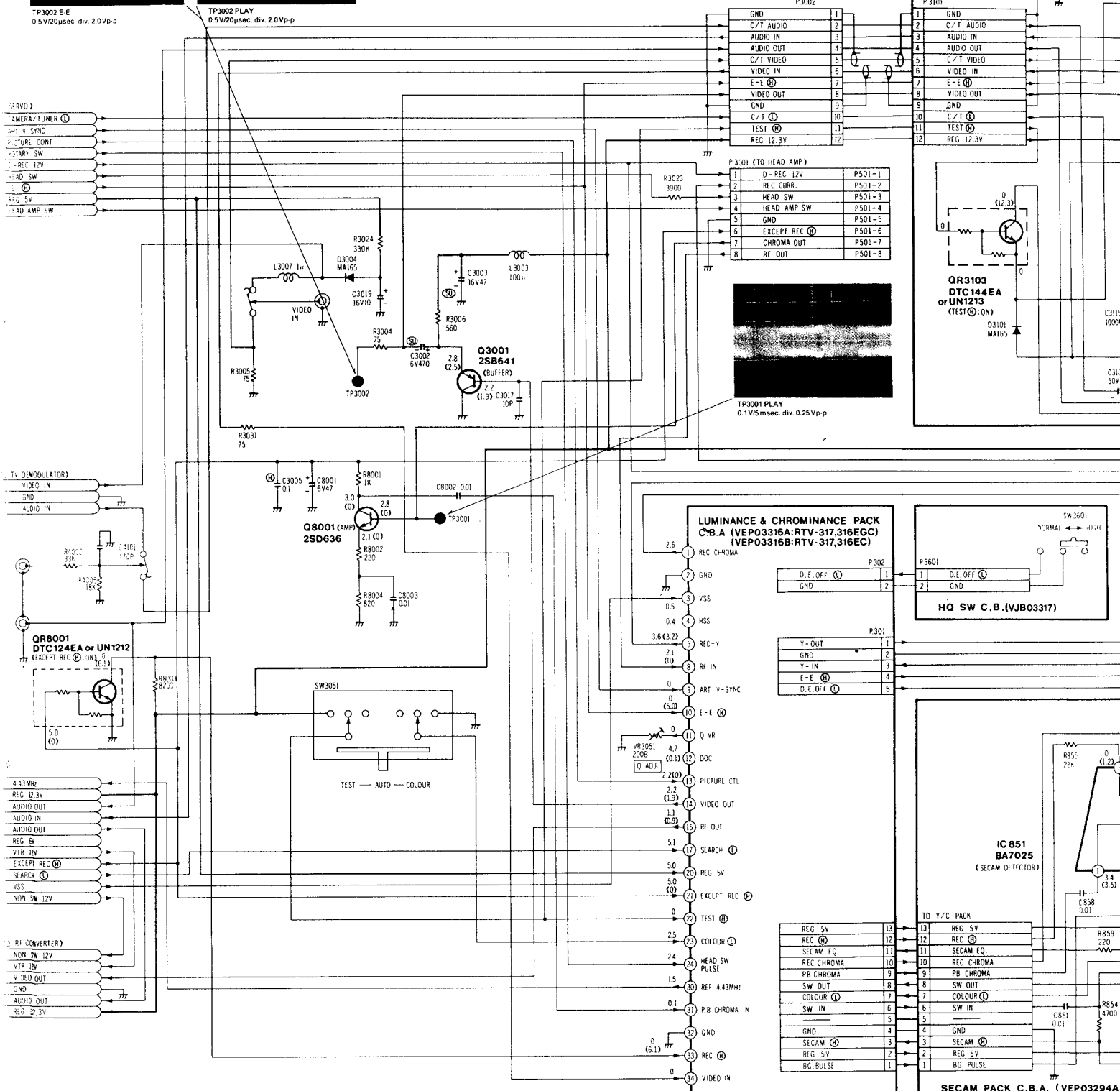
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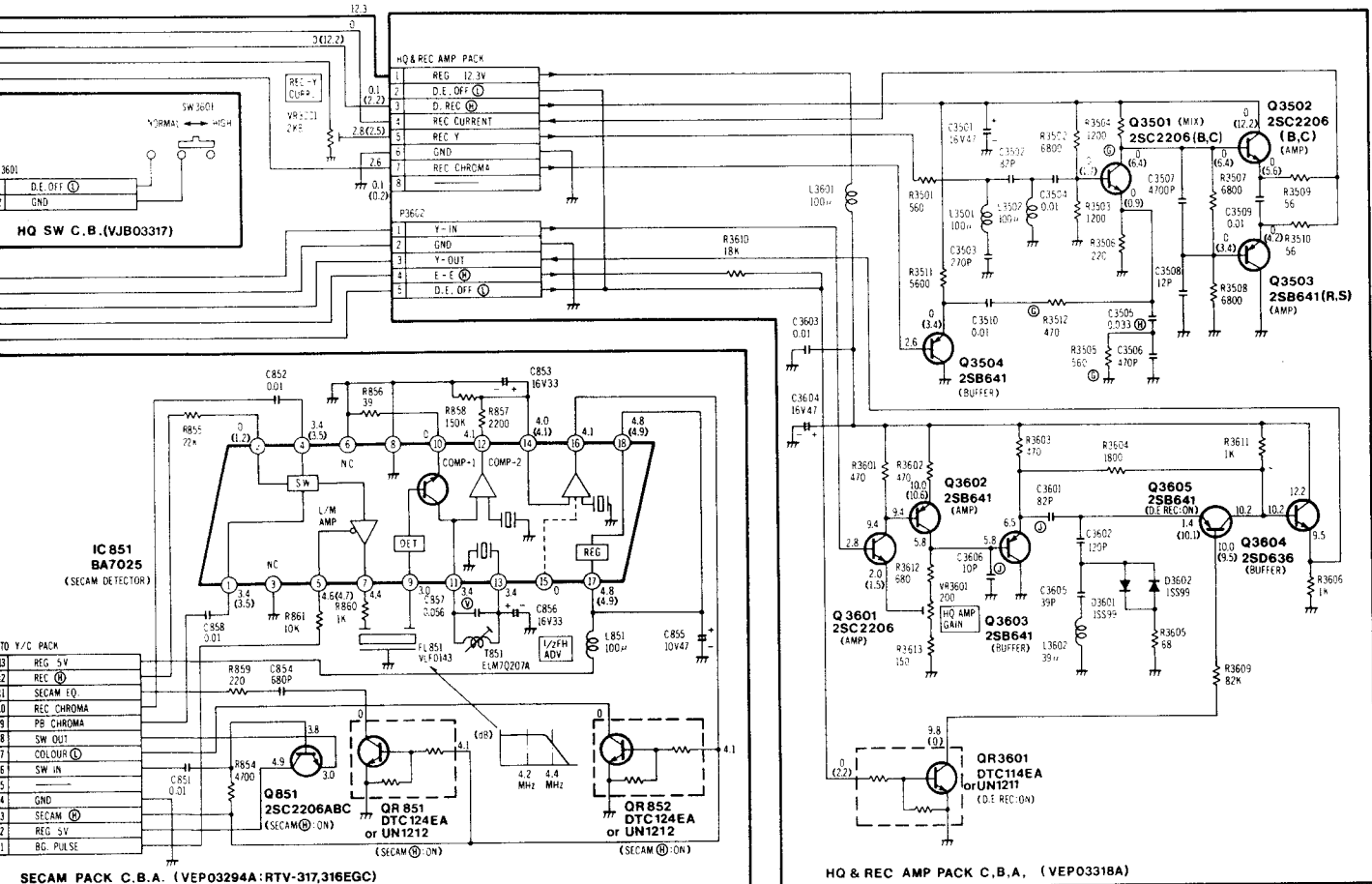
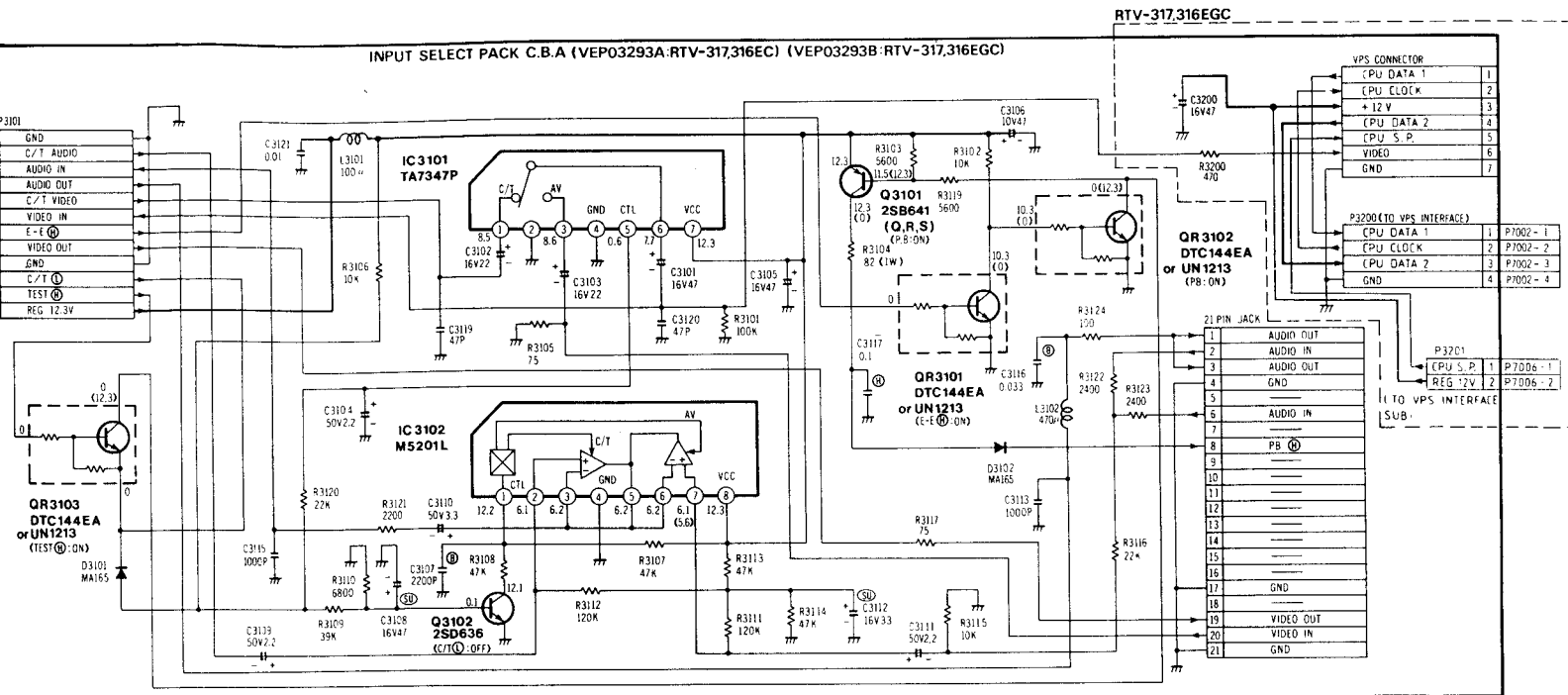
z- und Farbteil inance Pack Circuit Board



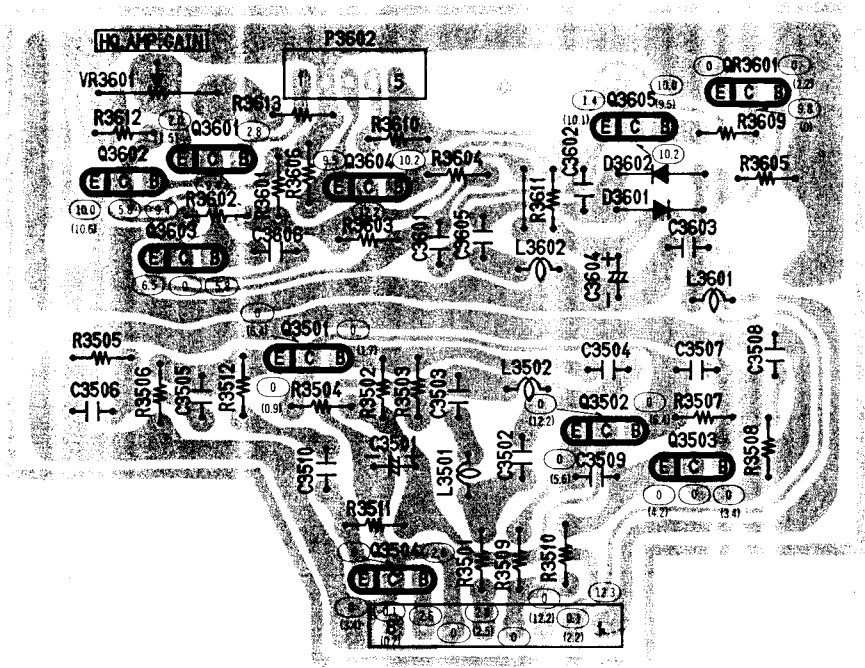
SECAM-Zusatzplatine SECAM Pack Circuit Board



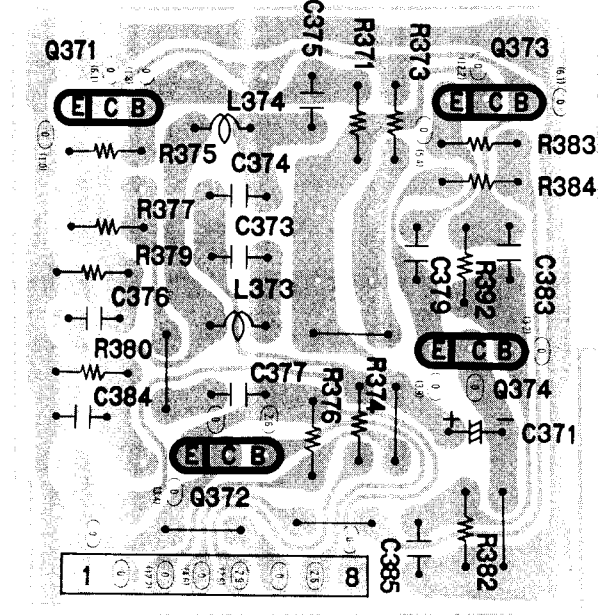




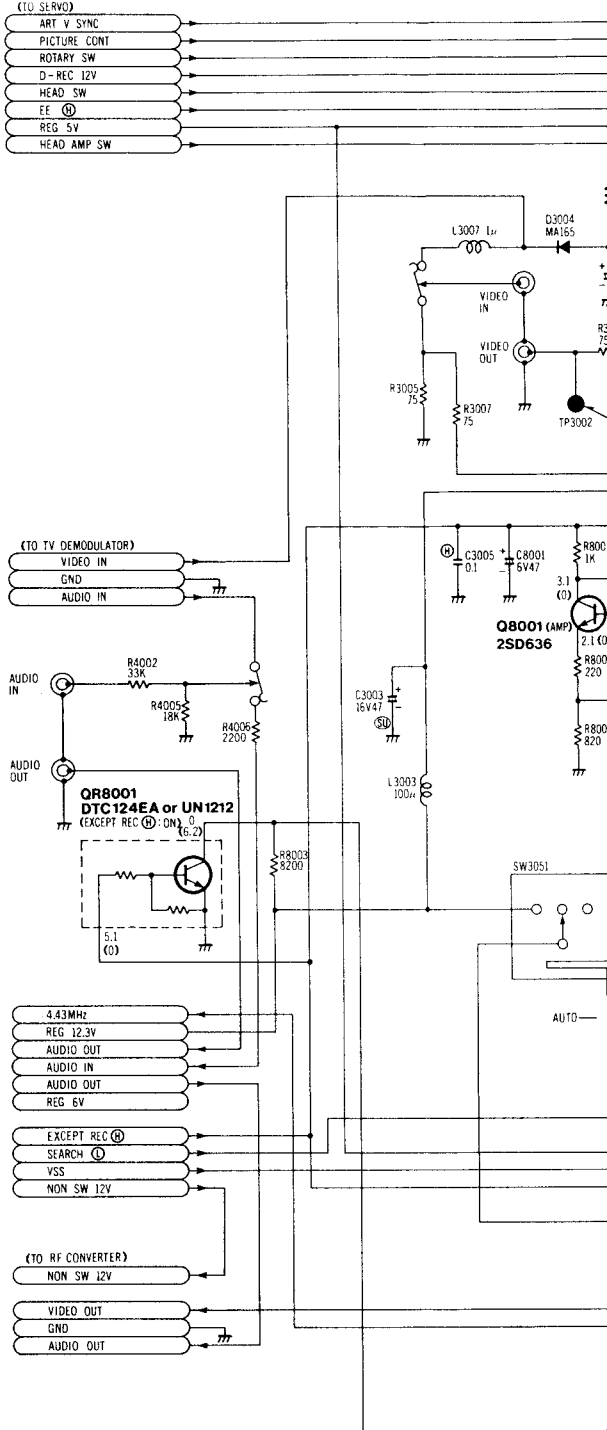
HQ-Zusatzplatine HQ Pack Circuit Board



Zusatzplatine Aufnahmeverstärker Rec Amp. Pack Circuit Board

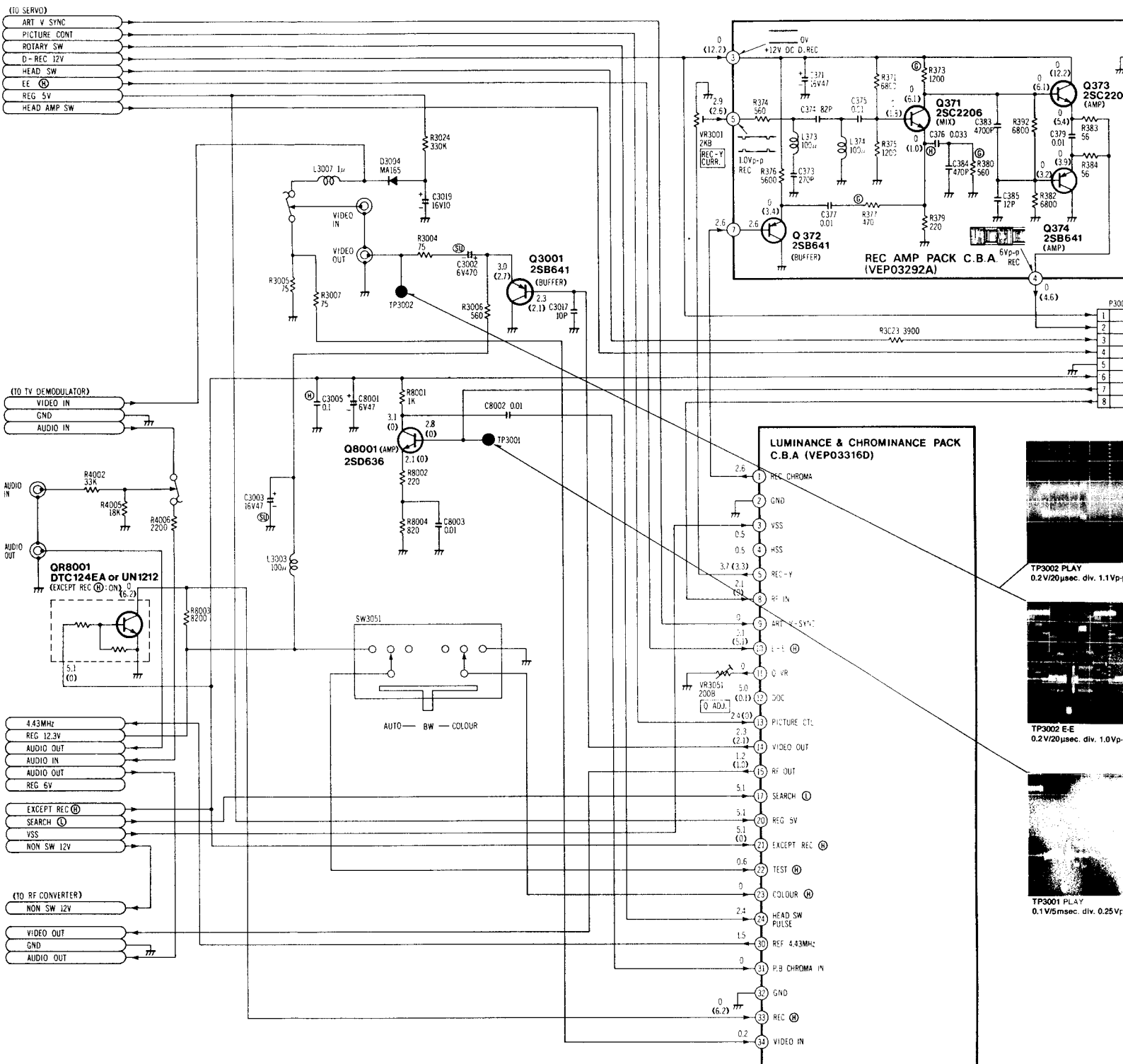


Schaltbild Luminanz- und Farbteil (RTV 3) Luminance and Chrominance Schematic

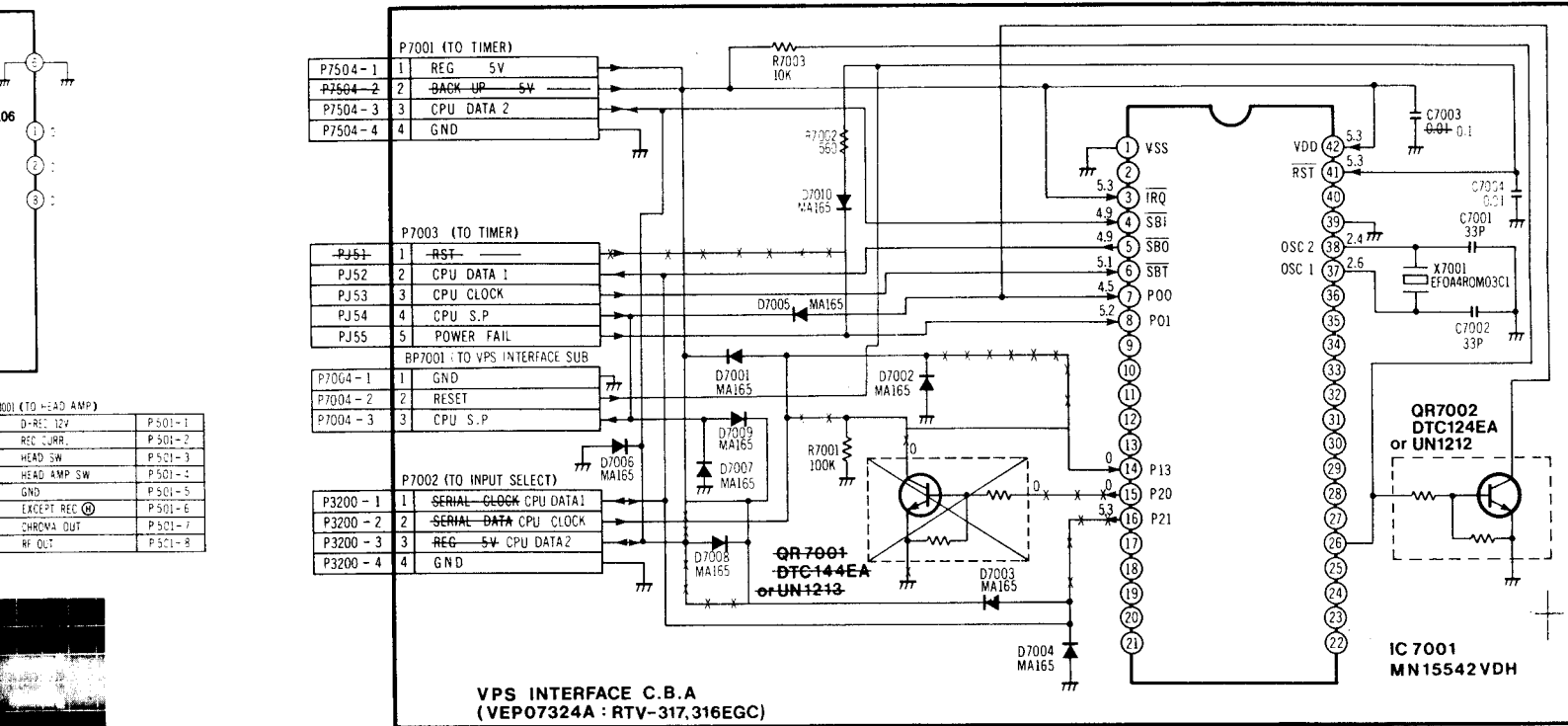


Schaltbild Luminanz- und Farbteil (RTV 316 BA)

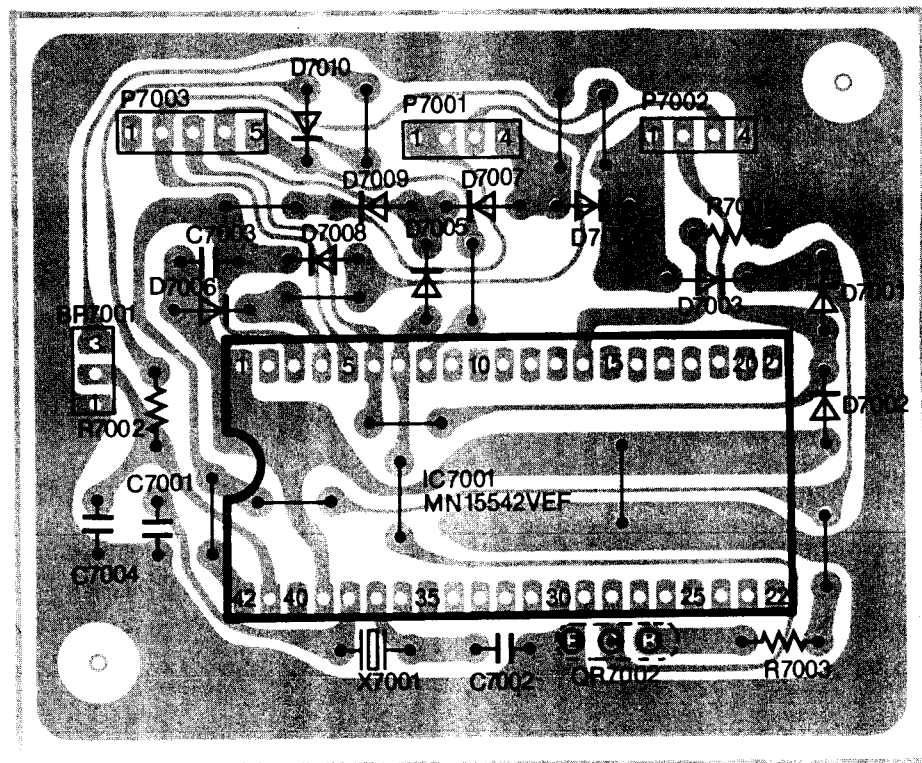
Luminance and Chrominance Schematic Diagram (RTV 316 BA)



Schaltbild VPS-Interface (nur RTV 316/317 EGC) VPS Interface Schematic Diagram (only RTV 316/317 EGC)

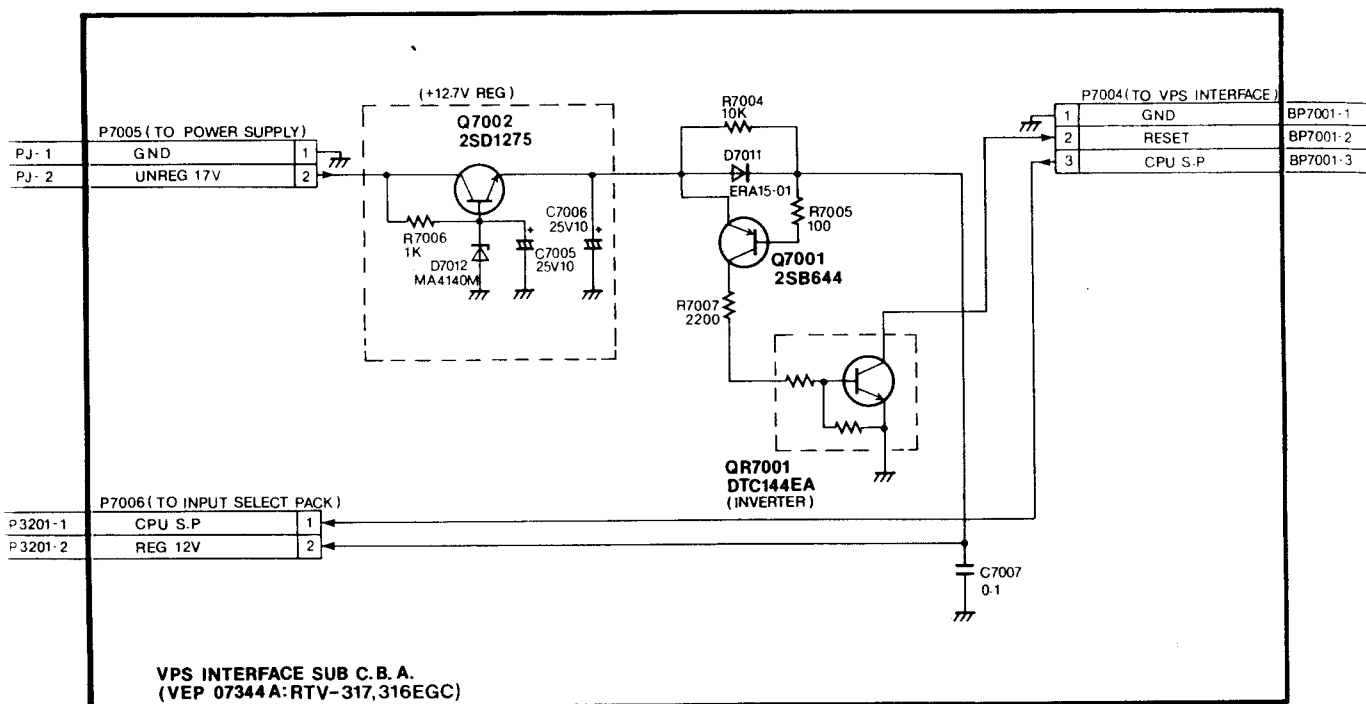


Platine VPS-Interface (nur RTV 316/317 EGC) VPS Interface Circuit Board (only RTV 316/317 EGC)

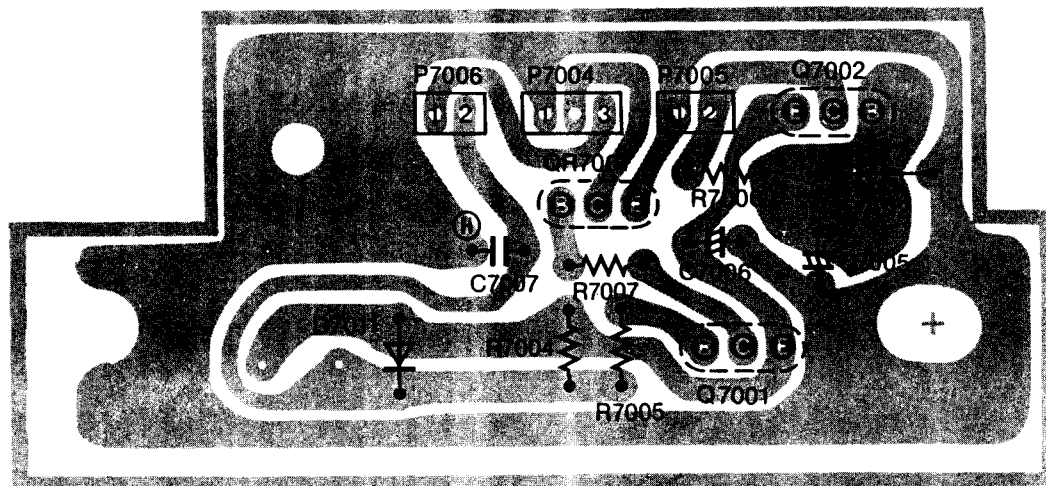


Schaltbild VPS-Interface Zusatzteil (nur RTV 316/317 EGC)
VPS Interface Pack Schematic Diagram (only RTV 316/317 EGC)

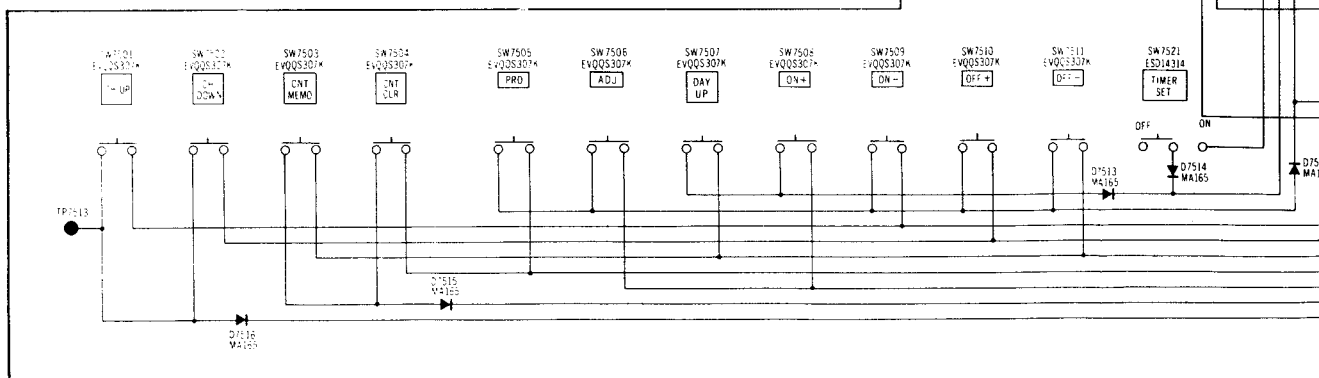
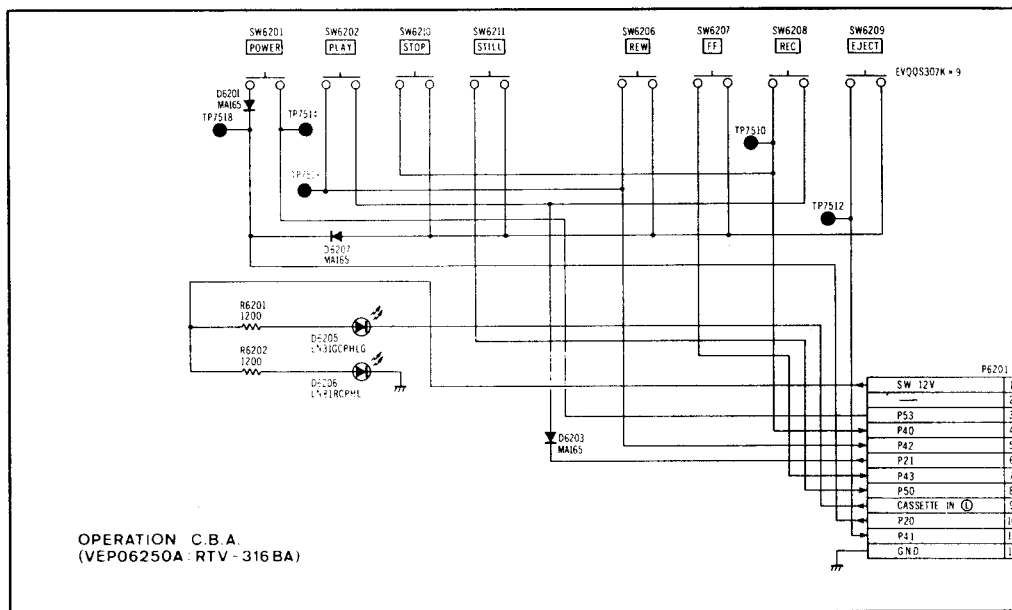
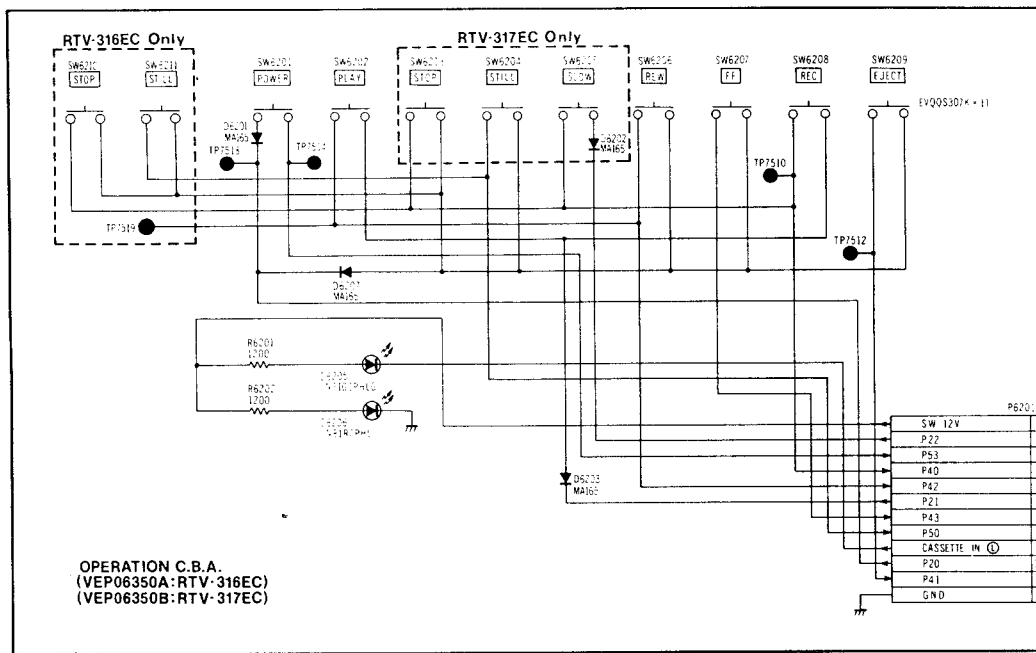
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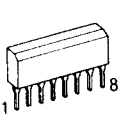
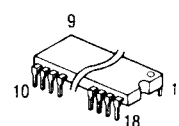
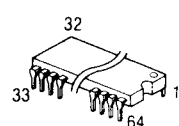
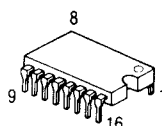
VPS-Interface Zusatzplatine (nur RTV 316/317 EGC)
VPS-Interface Pack Circuit Board (only RTV 316/317 EGC)



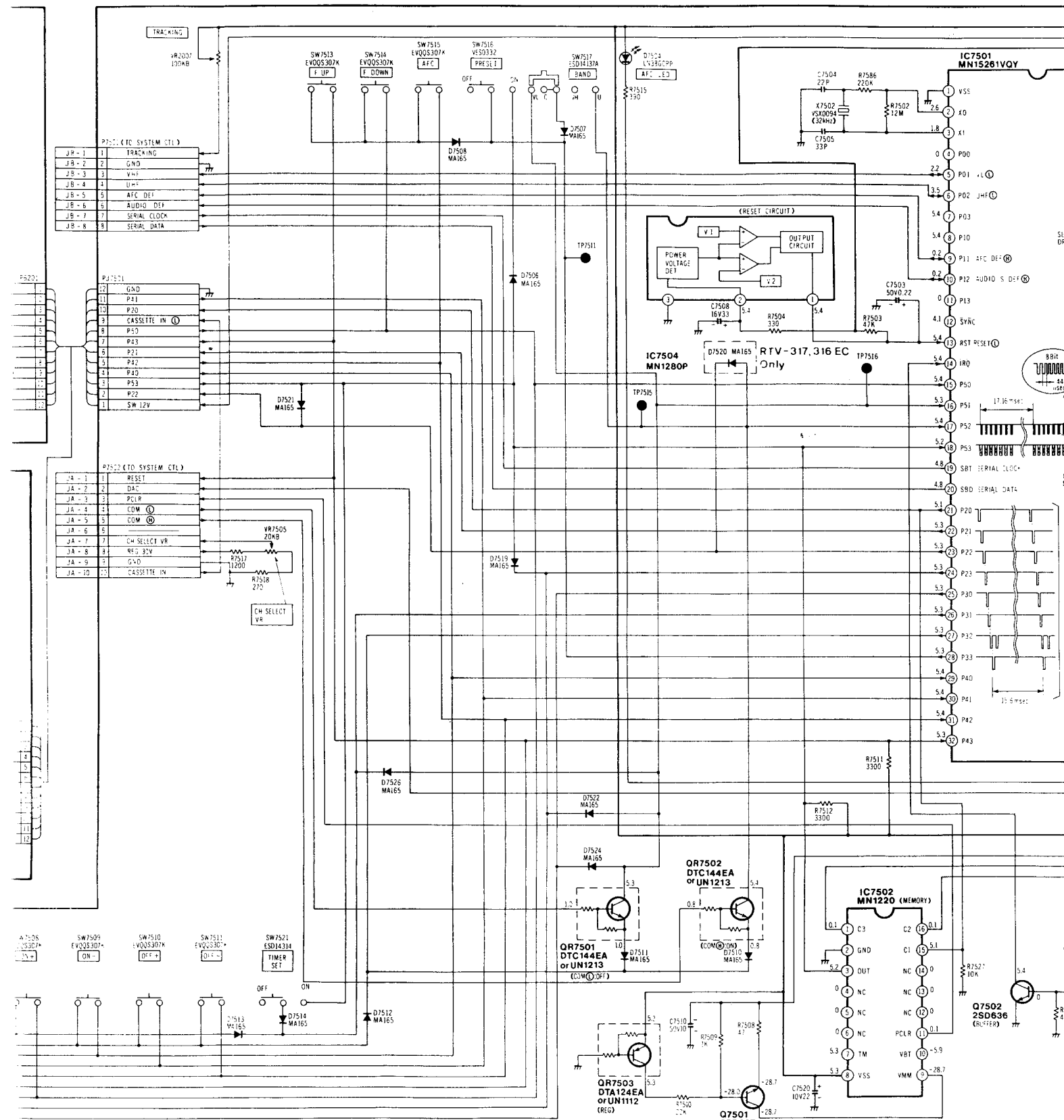
Schaltbild Bedienteil, Timer und Timer-Bedienteil (RTV 316 EC, BA/317 EC) Operation, Timer and Timer Operation Schematic Diagram (RTV 316 EC, BA/317 EC)

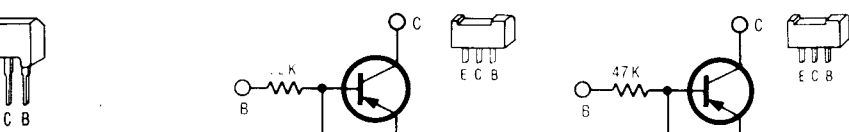
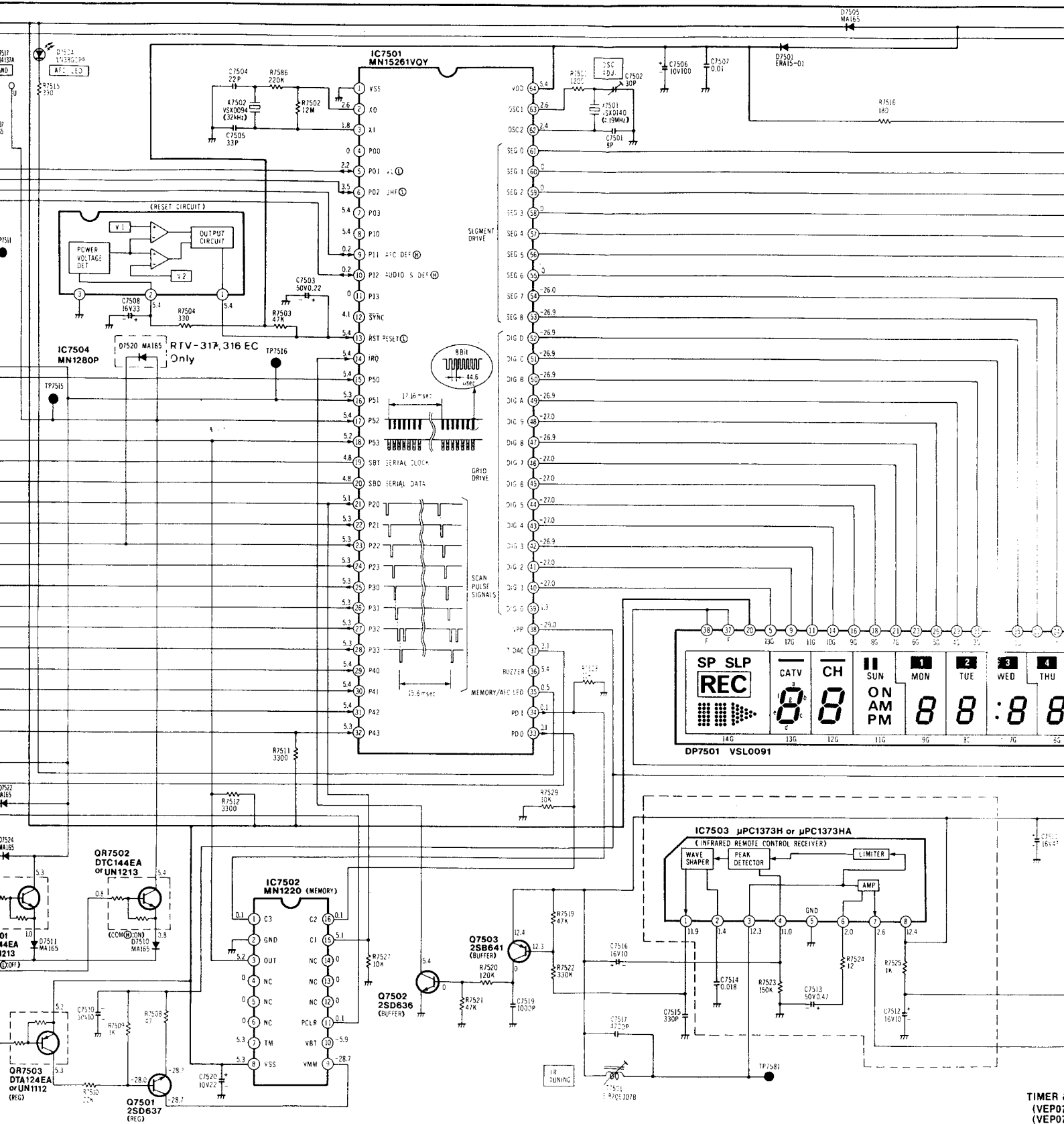


Halbleiter-Anschlußpunkte
Semi Conductor Connection

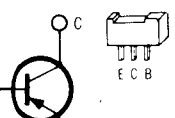
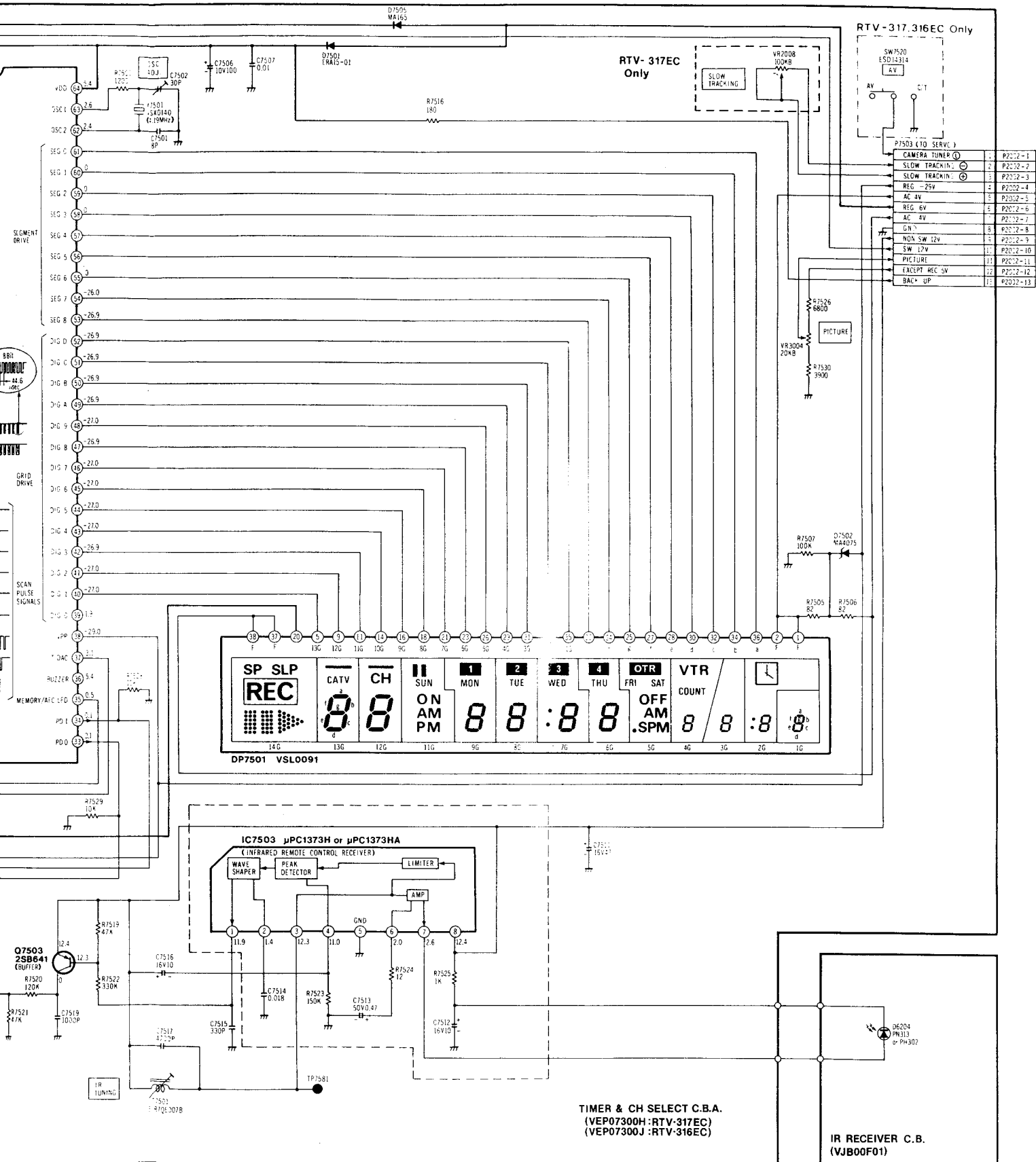


V/317 EC)
16 EC, BA/317 EC)

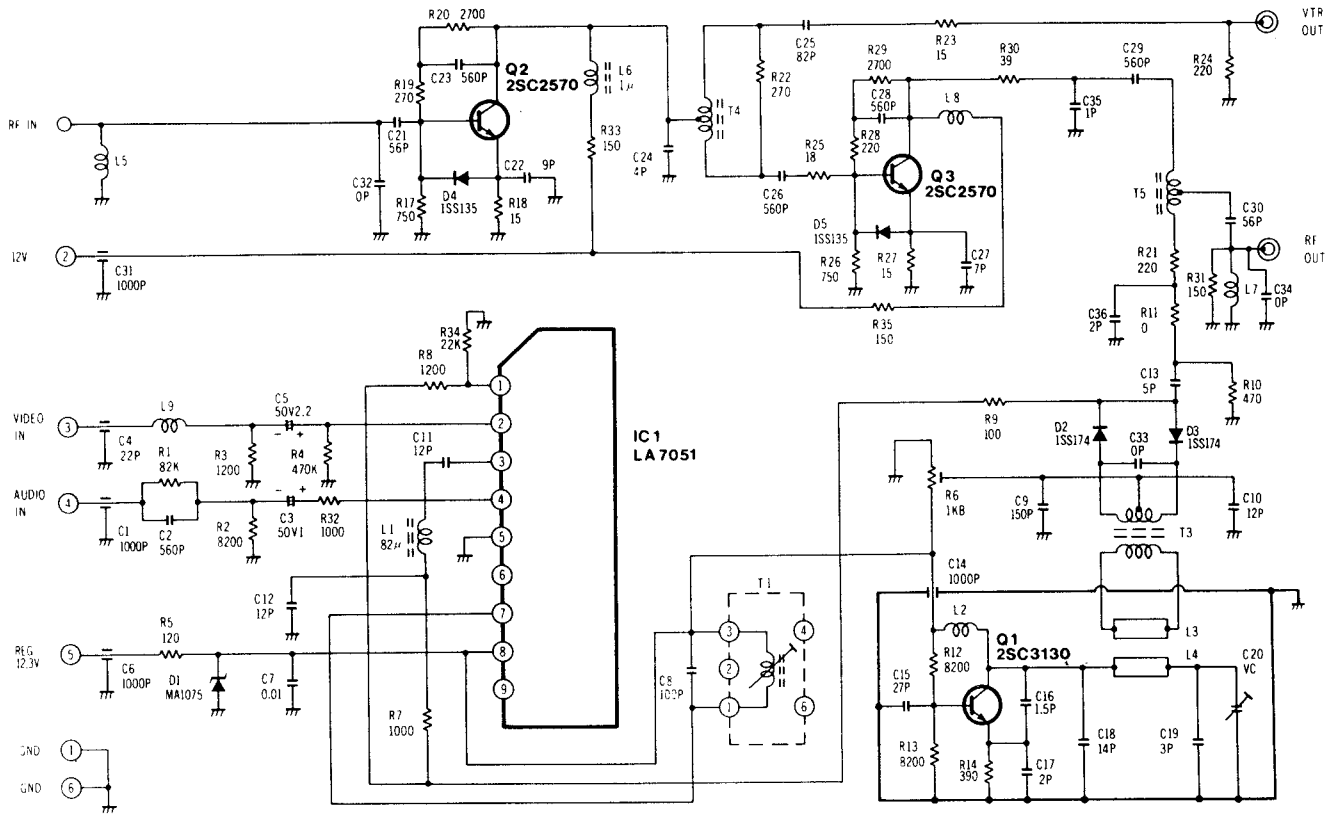




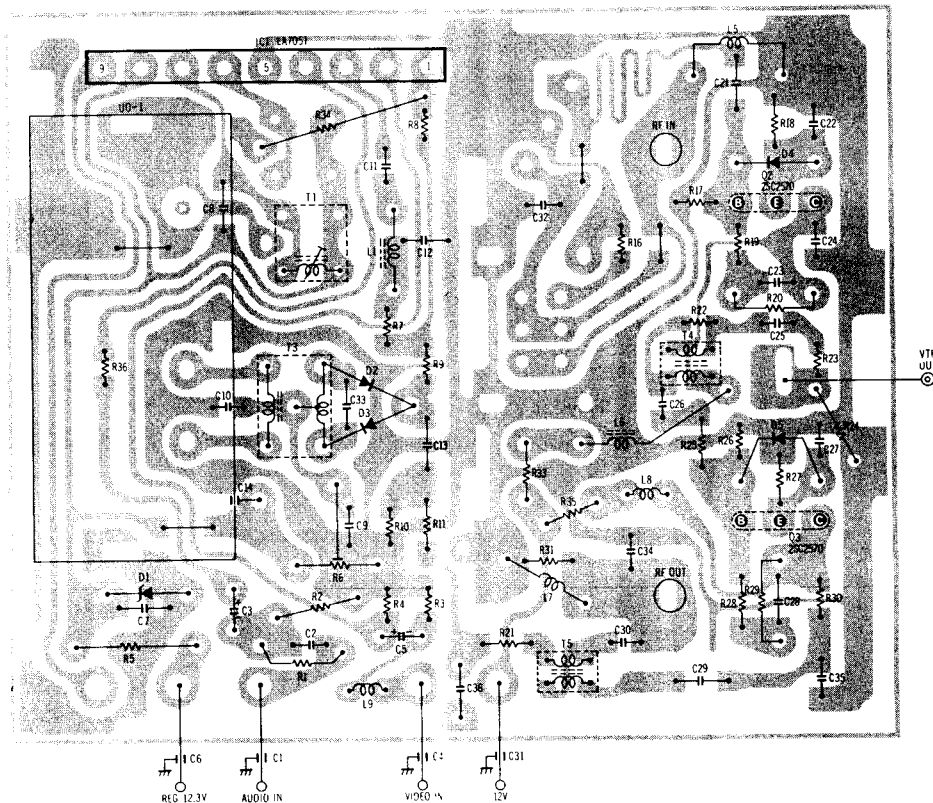
TIMER
(VEP01)
(VEP02)



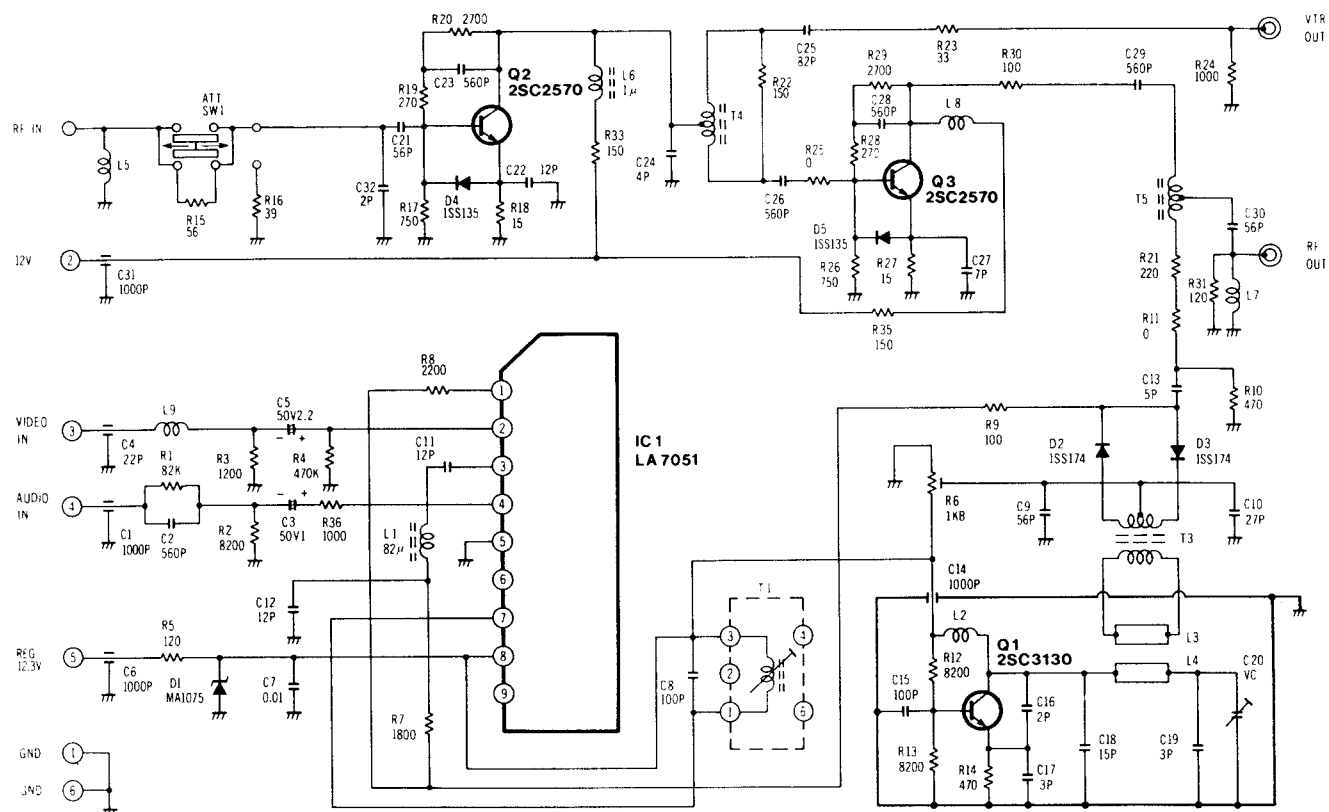
Schaltbild HF-Konverter und Ant. Anschluß (RTV 316/317 EGC) RF Converter and Ant. Terminal Schematic Diagram (RTV 316/317 EGC)



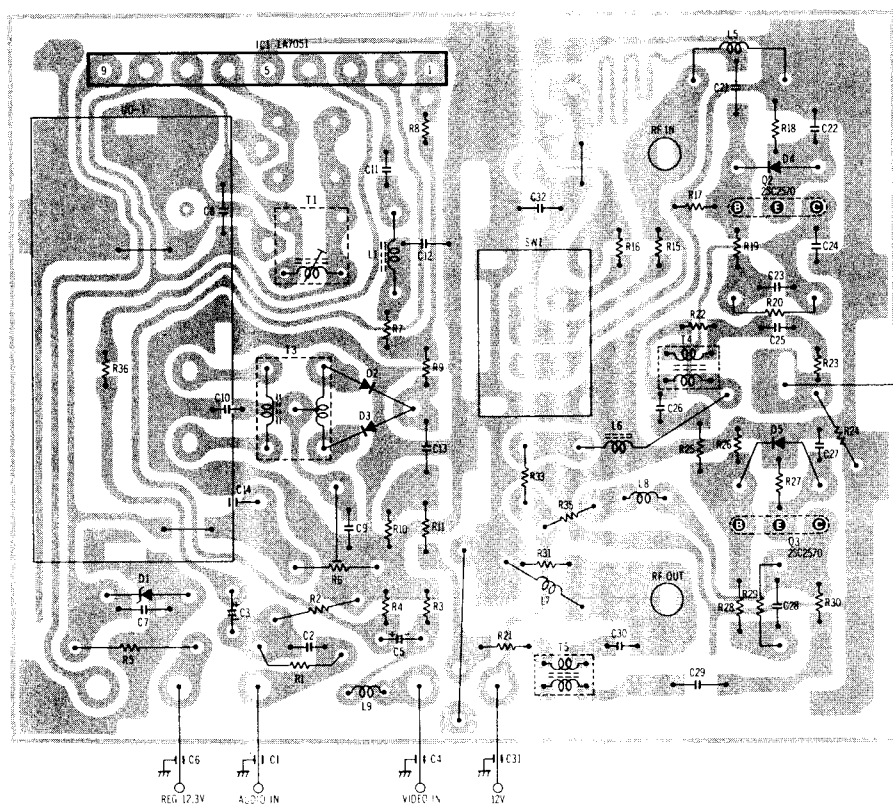
HF-Konverter- und Ant. Anschluß-Platine (RTV 316/317 EGC) RF Converter and Ant. Terminal Board (RTV 316/317 EGC)



Schaltbild HF-Konverter und Ant. Anschluß (RTV 316/317 EC) RF Converter and Ant. Terminal Schematic Diagram (RTV 316/317 EC)

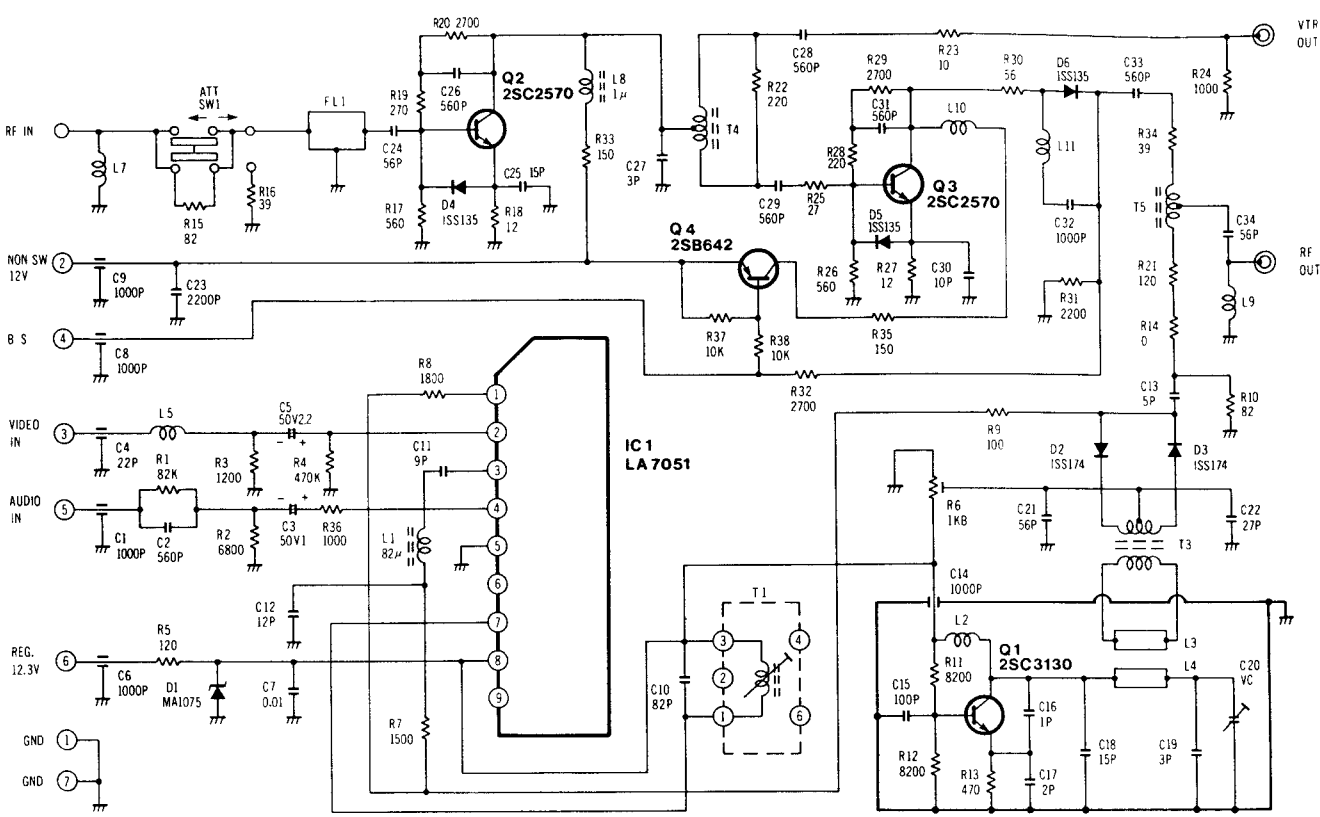


HF-Konverter- und Ant. Anschluß-Platine (RTV 316/317 EC) RF Converter and Ant. Terminal Board (RTV 316/317 EC)

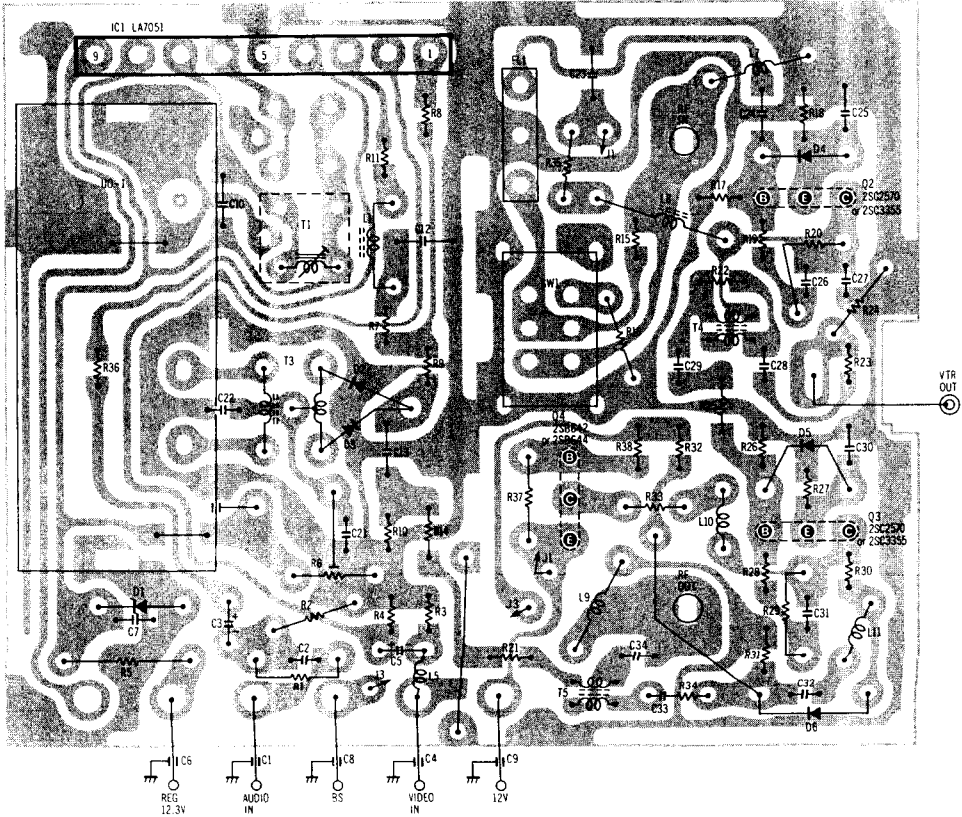


Schaltbild HF-Konverter (RTV 316 BA)
RF Converter and Ant. Terminal Schematic Diagram (RTV 316 BA)

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Infrare

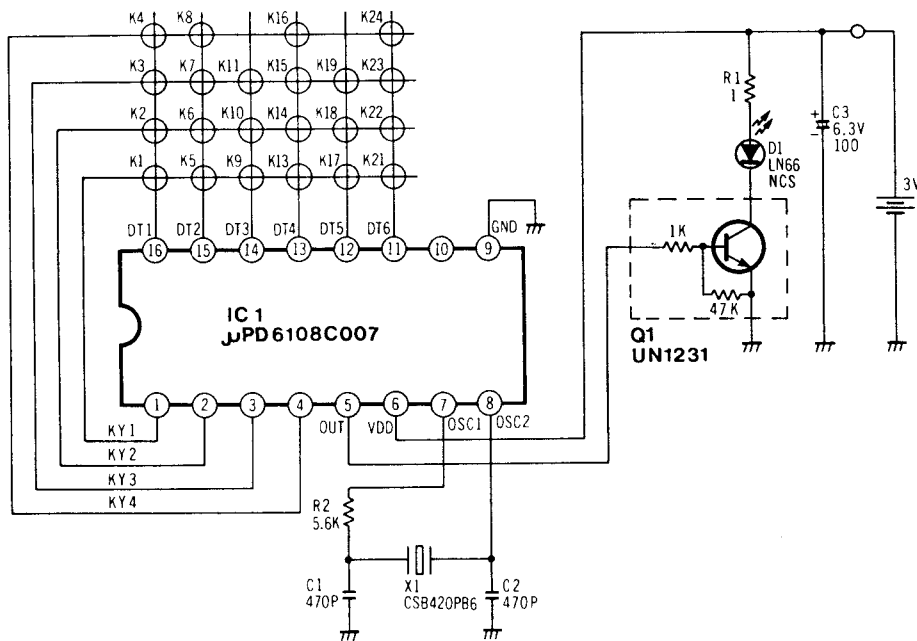


HF-Konverter- und Ant.-Anschluß-Platine (RTV 316 BA)
RF Converter and Ant. Terminal Board (RTV 316 BA)

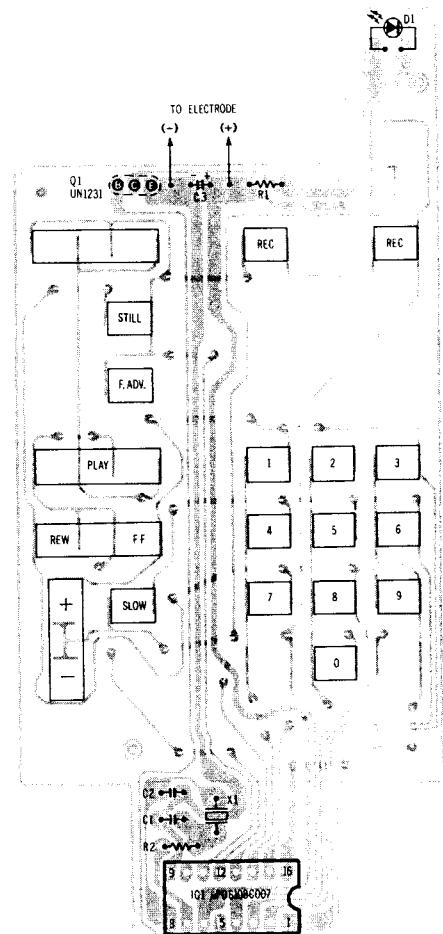
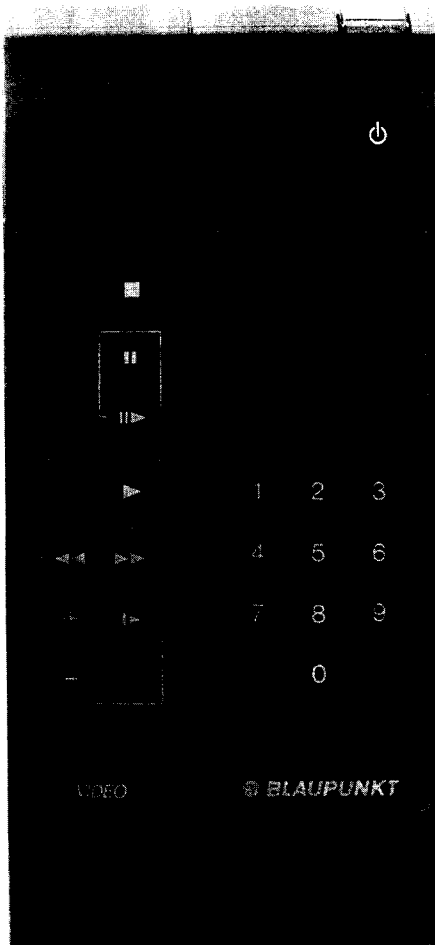


Schaltbild und Platine Infrarot-Fernbedienung Infrared Remote Control Schematic Diagram and Circuit Board

8 619 491 802

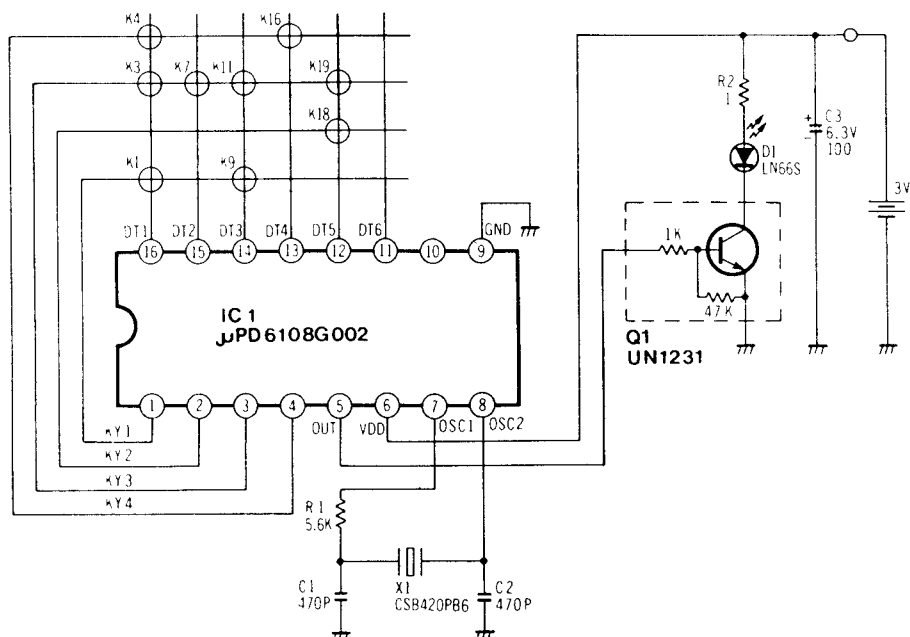


KEY NO.	FUNCTION
1	CH 3
2	CH 6
3	CH 9
5	CH 2
6	CH 5
7	CH 8
8	0 / 10
9	CH 1
10	CH 4
11	CH 7
13	SPEED UP
14	SLOW
15	SPEED DOWN
16	POWER ON/OFF
17	FF
18	PLAY
19	REW
21	FRAME ADV
22	STOP
23	STILL / PAUSE
24	REC

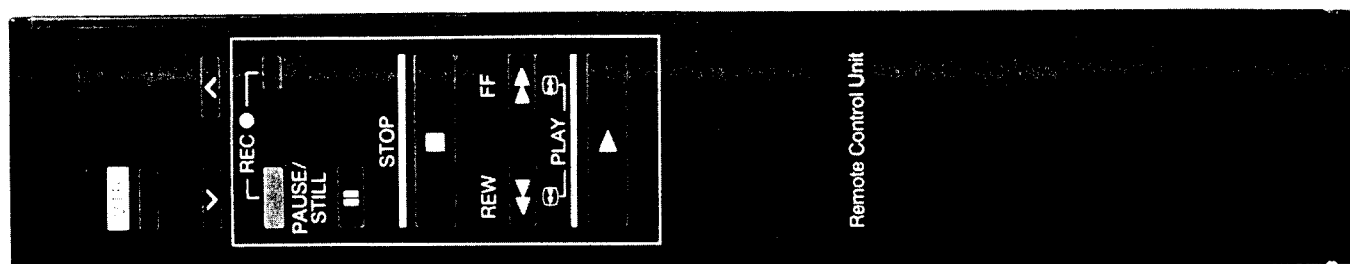
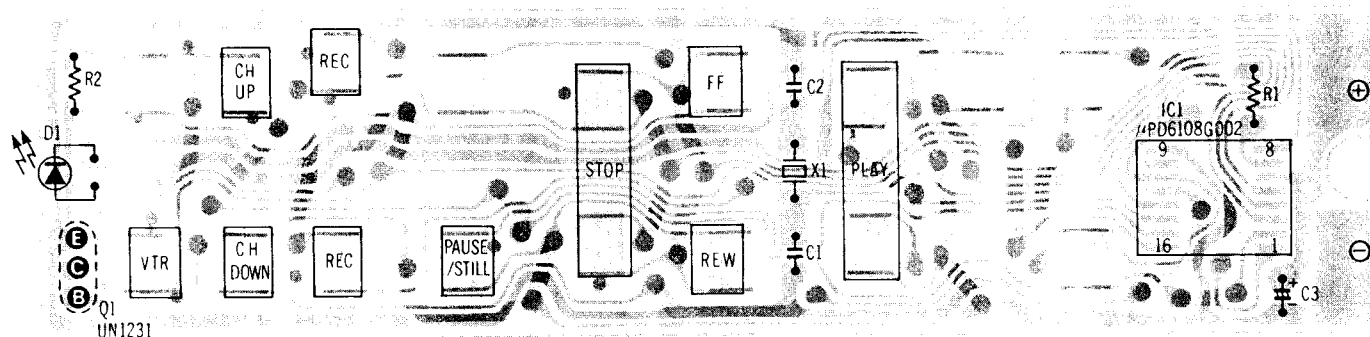


Schaltbild und Platine Infrarot-Fernbedienung (RTV 316 BA) Infrared Remote Control Schematic Diagram and Circuit Board (RTV 316 BA)

8 619 491 804



KEY NO.	FUNCTION
1	STOP
3	REW
4	FF
7	STILL/PAUSE
9	REC
11	PLAY
—	—
16	VTR
18	CH UP
19	CH DOWN



Technische Änderungen in den Geräten RTV 316 EGC/ECV, RTV 317 EGC

Technical Modifications in Sets RTV 316 EGC/ECV, RTV 317 EGC

RTV 316/317 EGC ab Serie E6K ... RTV 316 ECV ab 1. Produktionsserie

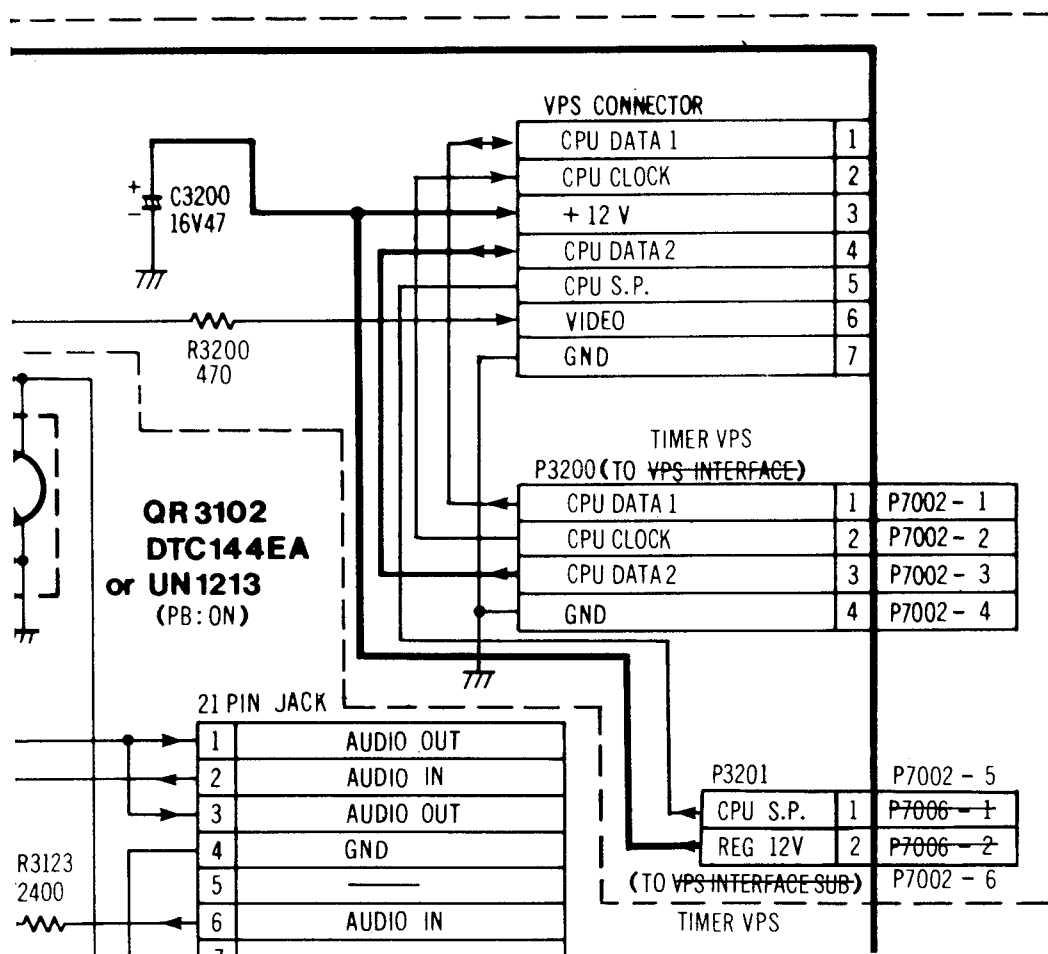
RTV 316/317 EGC from series E6K ... RTV 316 ECV from first production series

Die technischen Änderungen in den einzelnen Schaltungsteilen sind auf den Seiten 84 bis 88 dargestellt.
For technical modifications of the different circuitry parts see pages 84 to 88.

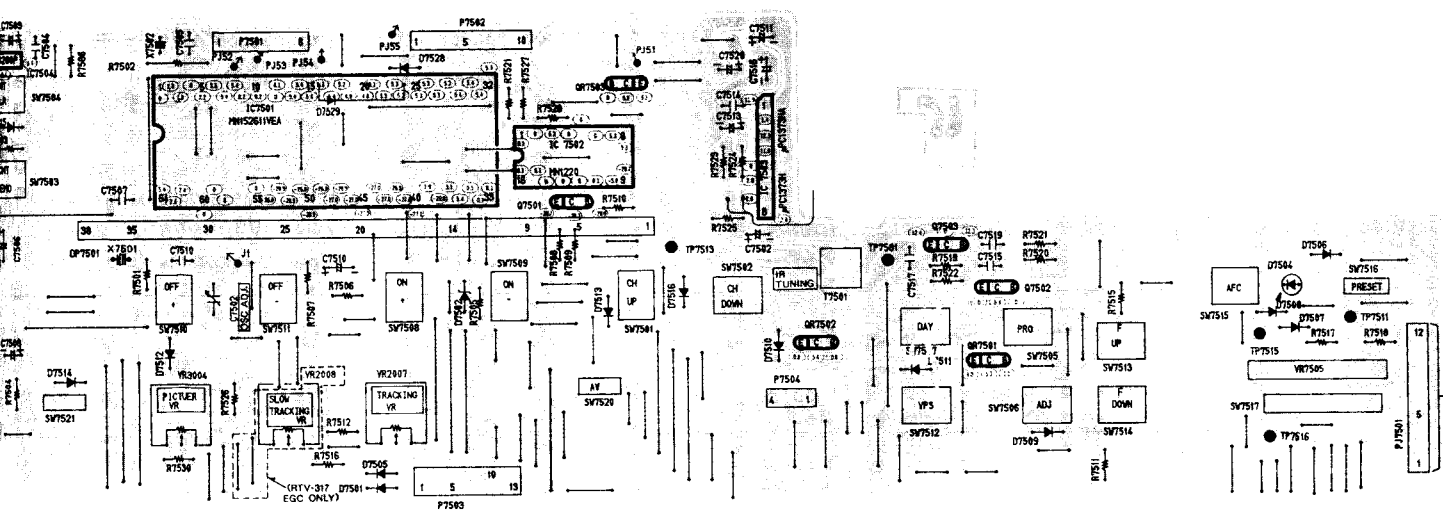
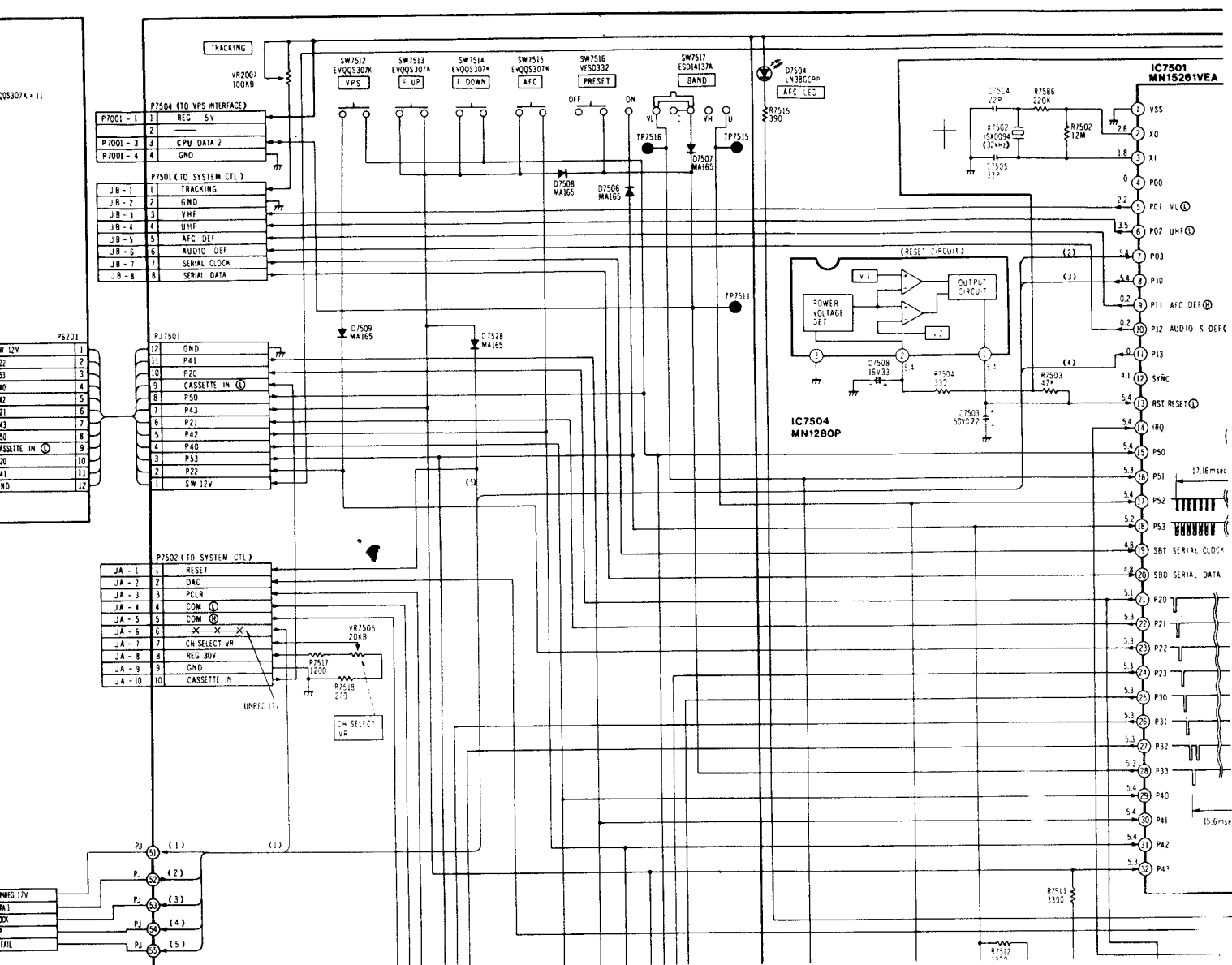
FUNCTION
STOP
REW
FF
TILL/PAUSE
REC
PLAY
—
—
VTR
CH UP
CH DOWN

Änderungen im Eingangswahlteil

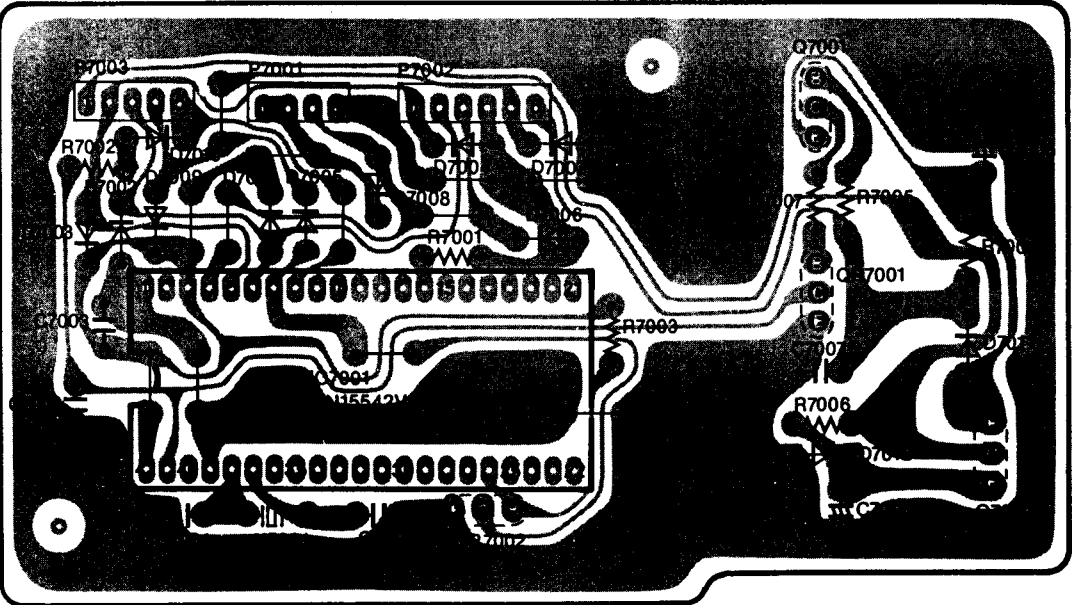
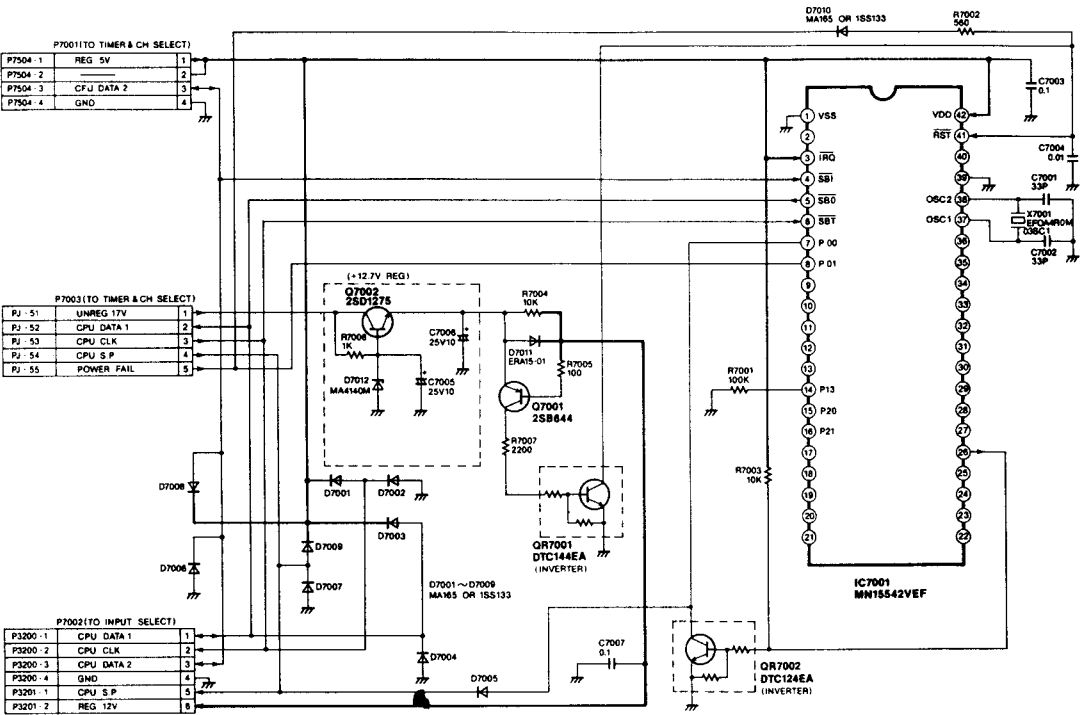
Modification of Schematic Diagram Input Select Pack



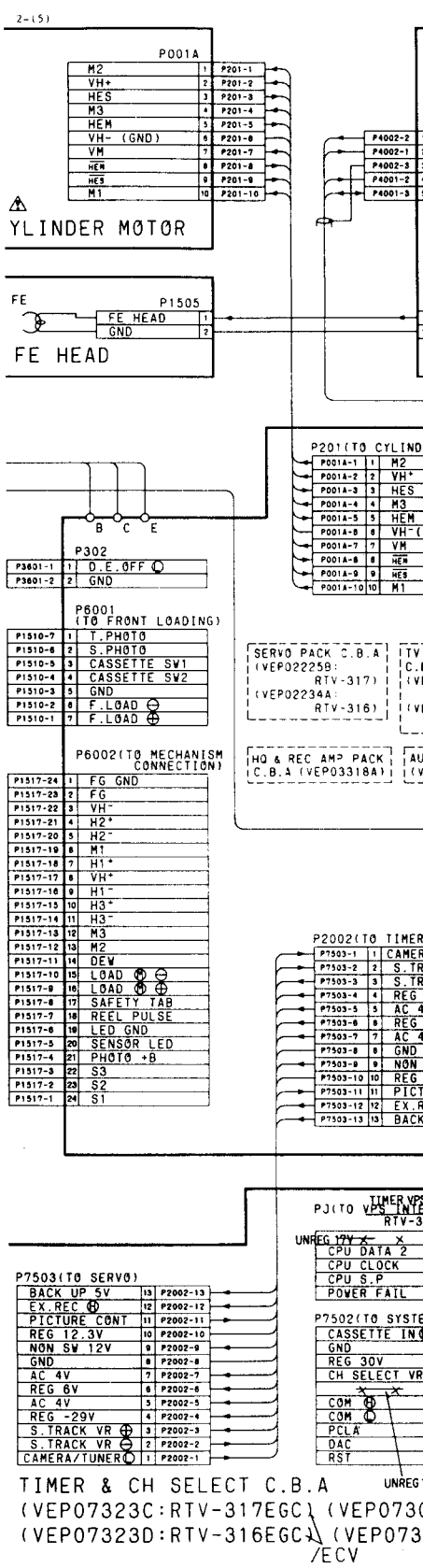
Extraction of Schematic Diagram and Circuit Board from Timer Section



Änderungen im VPS-Timerteil (Interface)
Modification of VPS Timer Section (Interface)



Änderungen im Verdrahtungsplan
Modification of Interconnection



ungen im Verdrahtungsplan cation of Interconnection Schematic Diagram

