

STUDER

PROFESSIONAL AUDIO EQUIPMENT

Service Information

Service Information SI 35/78

B 67 - Varianten
Umbaumöglichkeiten

B 67 - Different Modules
Conversion Possibilities

B 67 - Varianten
Umbaumöglichkeiten

Service Information SI 35/78 D

Auf Grund der Modul-Bauweise des B67 ist es leicht möglich, mit den entsprechenden Zusatzmitteln die Maschine den Kundenwünschen anzupassen.

Eine Anleitung zum Umbau und zur Montage diverser Bausteine beinhaltet diese SI:

Bild I zeigt die Umbaumöglichkeiten der Maschine in einem Blockdiagramm.

Der Basisprint der Audio-Elektronik 1.167.700 / 701 ist der Ausgangspunkt aller Optionen. Alle zu verwendenden Signale können dort mit den entsprechenden steckbaren Kabelbunde bezogen werden.

Die folgende Liste gibt mit den dazugehörigen Abbildungen Hinweise über Kabelführung, Kontaktierung, Positionierung der Jumper.

STANDARD	VARIANTE	ZUBEHOER (KABEL)	siehe Bild	BEMERKUNGEN ZU BASISPRINT
B67 - 1	VU-PANEL	ⓕ 1.167.630	2 11 14	1) - Anstelle der Spannungsteiler - Print 1.067.740 kommen die Stecker 2 u. 3. 2) - Jumper in Pos. I u. L auf K u. M umstecken.
	PILOTTON	ⓓ 1.167.646	2 11 (10)	3) - Nur Stecker 6 + 7 kontaktieren 4) - Buchsenleiste für Pilotton- amplifier und Kabelbund nachbestücken, einlöten. Dazubenötigte Teile je 1 Stk. 54.01.0360 und 54.01.0214 5) - Kabelbund 1.167.646 ⓓ montieren wie ⓕ s. Bild 10.
	PILOTTON MIT VU-PANEL	ⓕ 1.167.630 ⓓ 1.167.646	2 11 14	1) - Anstelle der Spannungsteiler - Print 1.067.740 kommen die Stecker 2 u. 3. 2) - Jumper in Pos. I u. L auf K u. M umstecken. 3) - Nur Stecker 6 + 7 kontaktieren 4) - Buchsenleiste für Pilotton- amplifier und Kabelbund nach- bestücken, einlöten. Dazubenötigte Teile je 1 Stk. 54.01.0360 und 54.01.0214 5) - Kabelbund 1.167.646 ⓓ montieren wie ⓕ s. Bild 10.

STANDARD	VARIANTE	ZUBEHOER (KABEL)	siehe Bild	BEMERKUNGEN ZU BASISPRINT
B67 - 1	VU-PANEL MIT MONITOR	(F) 1.167.630 (E) 1.167.639	3 11	6) - Buchsenleiste 1 + 7 vermehrfachen mit 1.167.745 (8-pol.) 1.167.741 (7-pol.)
	VUK	(D) 1.167.641 (B) 1.167.631 (A) 1.081.926	4 10 12 14	1) - Anstelle der Spannungsteiler - Print 1.067.740 kommen die Stecker 2 u. 3. 2) - Jumper in Pos. I u. L auf K u. M umstecken.
B67 - 2/2 - 0.75	VU-PANEL	(F) 1.167.632	4 11 14	1) - Anstelle der Spannungsteiler - Print 1.067.740 kommen die Stecker 2 u. 3. 2) - Jumper von Pos. I u. L auf K u. M umstecken.
	VU-PANEL MIT MONITOR	(F) 1.167.632 (E) 1.167.639	5 11 14	1) - Anstelle der Spannungsteiler - Print 1.067.740 kommen die Stecker 2 u. 3. 2) - Jumper in Pos. I u. L auf K u. M umstecken 6) - Buchsenleiste 1 + 7 vermehrfachen mit 1.167.745 (8-pol.) 1.167.741 (7-pol.)

STANDARD	VARIANTE	ZUBEHOER (KABEL)	siehe Bild	BEMERKUNGEN ZU BASISPRINT
B67 - 2/2 - 0.75	PANEL MIT M/S-SWITCH	Ⓒ 1.167.603	6 11	7) - Jumper in Pos. I u.L
	VUK	Ⓓ 1.167.641 Ⓑ 1.167.633 Ⓐ 1.081.927	4 12 14	1) - Anstelle der Spannungsteiler - Print 1.067.740 kommen die Stecker 2 u. 3 2) - Jumper von Pos. I u. L auf K u. M umstecken.
	NRK-PANEL AUFBAU (TABLARAUFBAU MIT MONITOR)	Ⓒ 1.167.638 Ⓓ 1.167.641	7 13	6) - Buchsenleiste 2 und 3 mit Steckerprints 1.167.741 versehen. - Die Spannungsteilerprints 1.067.740 bleiben. - Die Jumper sind auf Pos. I und L
B67 - 2CH / SYNC	VU-PANEL MIT MONITOR	Ⓕ 1.167.634 Ⓖ 1.167.640	8 11 14	- Jumper s. Bild 8 - Buchsenleiste 1, 4 u. 8 mit Verteilerprint 1.167.741 (7-pol.) versehen.
	VUK	Ⓓ 1.167.642 Ⓑ 1.167.635 Ⓐ 1.081.927	9 10 14	- Jumper s. Bild 9

B 67 - Different Modules
Conversion Possibilities

Service Information SI 35/78 E

The modular construction of the B67 facilitates the conversion of the machine according to the customers requirements.

This service information describes the conversion procedures and the mounting of the various building bricks available.

Figure 1 shows the conversion possibilities of the machine in form of a block diagram.

A mother board 1.167.700 / 701 of the audio electronic forms the base of all options available. With the aid of an appropriate plug in cable harnesses, all required signals can be tapped off from this base.

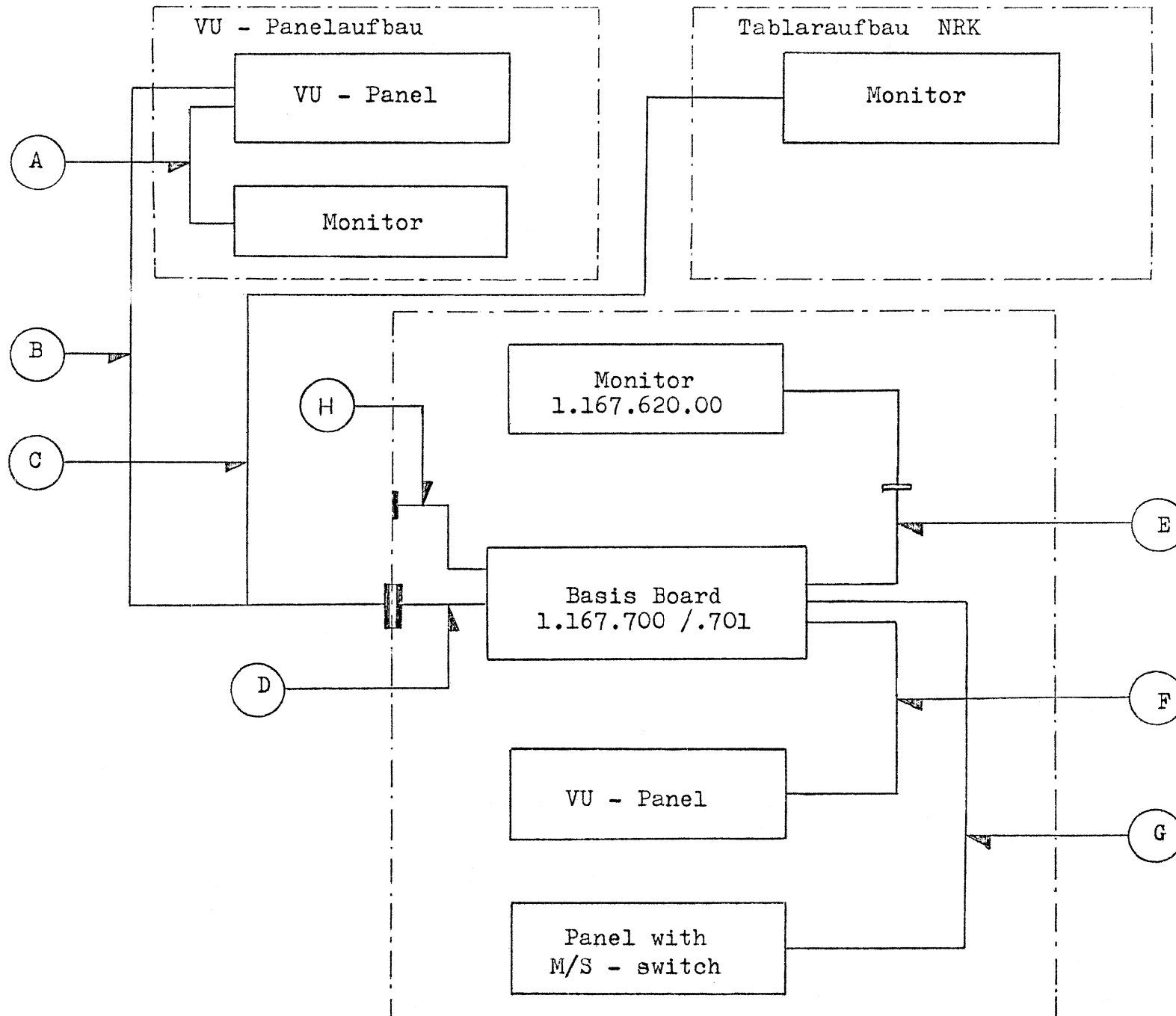
Together with the relevant illustration, the following list indicates cable routing connections and positioning of the jumpers.

STANDARD	OPTION	ACCESSORIES (cable)	see figure	Remarks to mother board
B67 - 1	VU-PANEL	ⓕ 1.167.630	2 11 14	1) - In place of the step down PC card 1.067.740 plugs 2 and 3 are to be inserted. 2) - Transfer jumpers from position I and L to K and M.
	PILOTTONE	ⓓ 1.167.646	2 11 (10)	3) - Connect plugs 6 and 7 only. 4) - Solder in female multi connector and cable harness for pilottone amplifier. Required parts one of each 54.01.0360 and 54.01.0214. 5) - Install cable harness 1.167.646 ⓓ according to ⓓ see figure 10.
	PILOTTONE WITH VU- PANEL	ⓕ 1.167.630 ⓓ 1.167.646	2 11 14	1) - In place of the step down PC card 1.067.740 plugs 2 and 3 are to be inserted. 2) - Transfer jumpers from position I and L to K and M. 3) - Connect plugs 6 and 7 only. 4) - Solder in female multi connector and cable harness for pilottone amplifier. Required parts one of each 54.01.0360 and 54.01.0214. 5) - Install cable harness 1.167.646 ⓓ according to ⓓ see figure 10.

STANDARD	OPTION	ACCESSORIES (cable)	see figure	Remarks to mother board
B67 - 1	VU-PANEL WITH MONITOR	(F) 1.167.630 (E) 1.167.639	3 11	6) - Split multi pin female connector 1 and 7 by means of 1.167.745 (8-pol.) 1.167.741 (7-pol.)
	VUK	(D) 1.167.641 (B) 1.167.631 (A) 1.081.926	4 10 12 14	1) - In place of the step down PC card 1.067.740 plugs 2 and 3 are to be inserted. 2) - Transfer jumpers from position I and L to K and M.
B67 - 2/2 - 0.75	VU-PANEL	(F) 1.167.632	4 11 14	1) - In place of the step down PC card 1.067.740 plugs 2 and 3 are to be inserted. 2) - Transfer jumpers from position I and L to K and M.
	VU-PANEL WITH MONITOR	(F) 1.167.632 (E) 1.167.639	5 11 14	1) - In place of the step down PC card 1.067.740 plugs 2 and 3 are to be inserted. 2) - Transfer jumpers from position I and L to K and M. 6) - Split multi pin female connector 1 and 7 by means of 1.167.745 (8-pol.) 1.167.741 (7-pol.)

STANDARD	OPTION	ACCESSORIES (cable)	see figure	Remarks to mother board
B67 - 2/2 - 0.75	PANEL WITH M/S-SWITCH	Ⓒ 1.167.603	6 11	7) - Jumpers in position I and L.
	VUK	Ⓓ 1.167.641 Ⓑ 1.167.633 Ⓐ 1.081.927	4 12 14	1) - In place of the step down PC card 1.067.740 plugs 2 and 3 are to be inserted. 2) - Transfer jumpers from position I and L to K and M.
	NRK-PANEL SHELF (SHELF WITH MONITOR)	Ⓒ 1.167.638 Ⓓ 1.167.641	7 13	6) - Insert connector PC card 1.167.741 into female multi connectors 2 and 3. - Step down PC card 1.067.740 remain. - Jumpers in position I and L.
B67 - 2CH / SYNC	VU-PANEL WITH MONITOR	Ⓕ 1.167.634 Ⓖ 1.167.640	8 11 14	- Jumpers see figure 8. - Insert distribution PC card 1.167.741 (7-pol.) into female multi wake connector 1, 4 and 8.
	VUK	Ⓓ 1.167.642 Ⓑ 1.167.635 Ⓐ 1.081.927	9 10 14	- Jumpers see figure 9.

Bild 1



BASISBOARD TO:

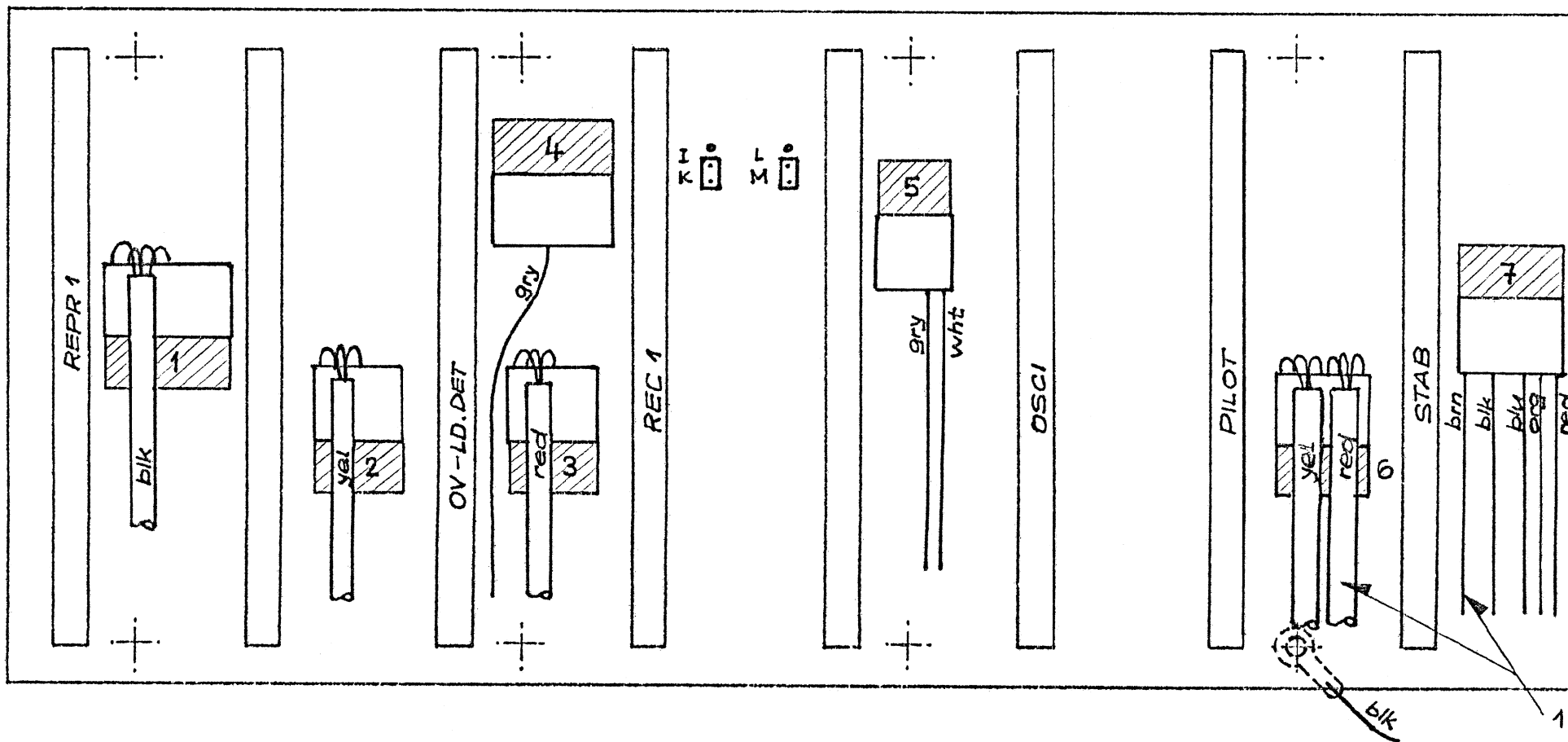
B67 - MONO

- VU PANEL (MONO)

- PILOT

Bild 2

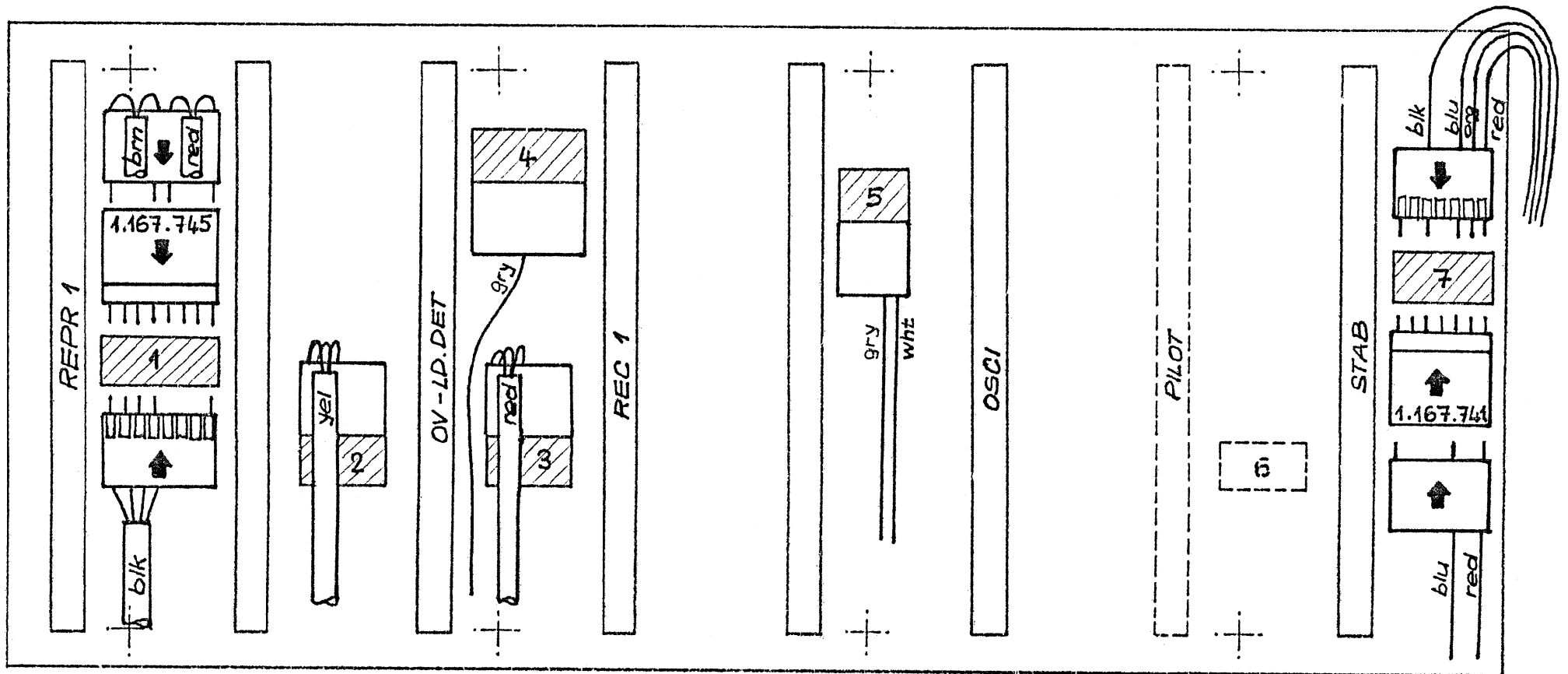
1) with option "Pilotton"



BASISBOARD TO:

B67 - MONO

- VU PANEL WITH MONITOR



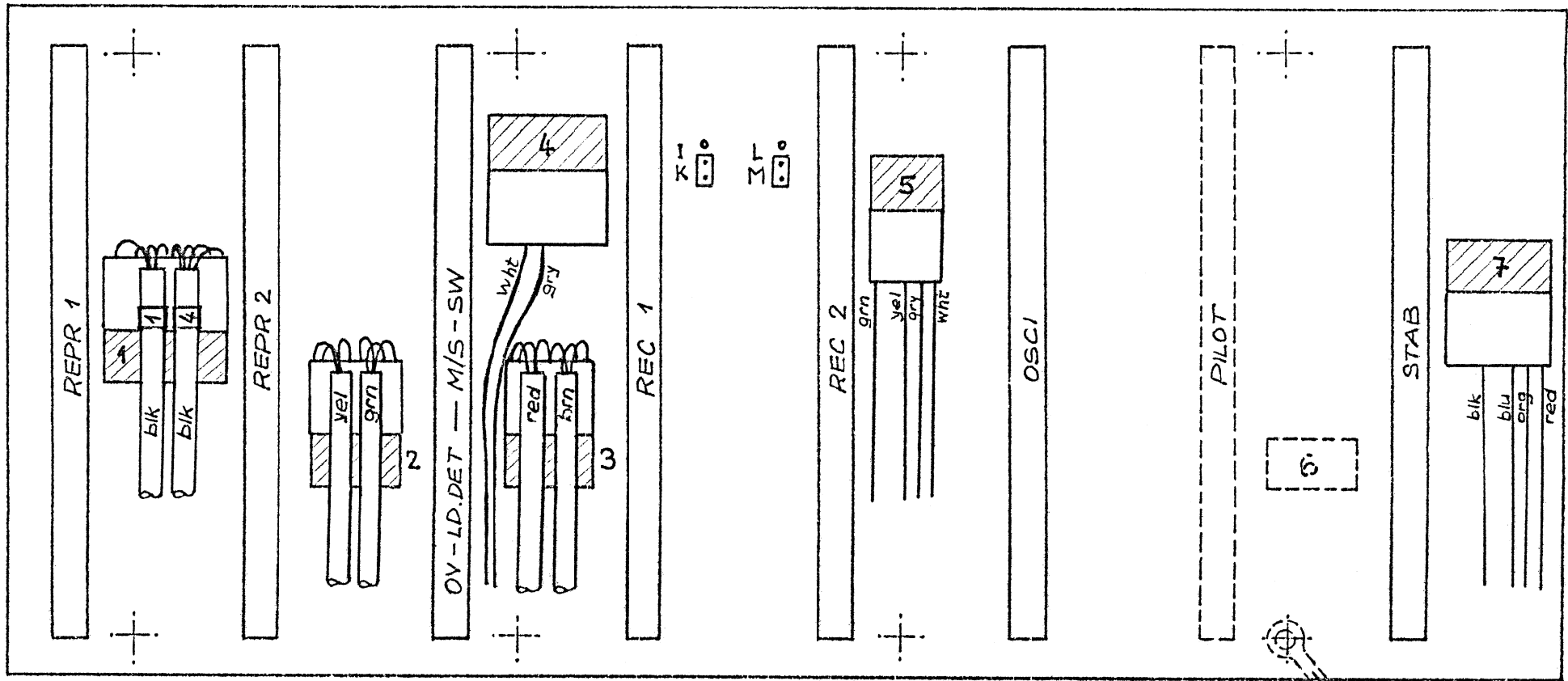
BASISBOARD TO:

B67 - 2 CH / VU PANEL

- MONO / VUK

- 2 CH / VUK

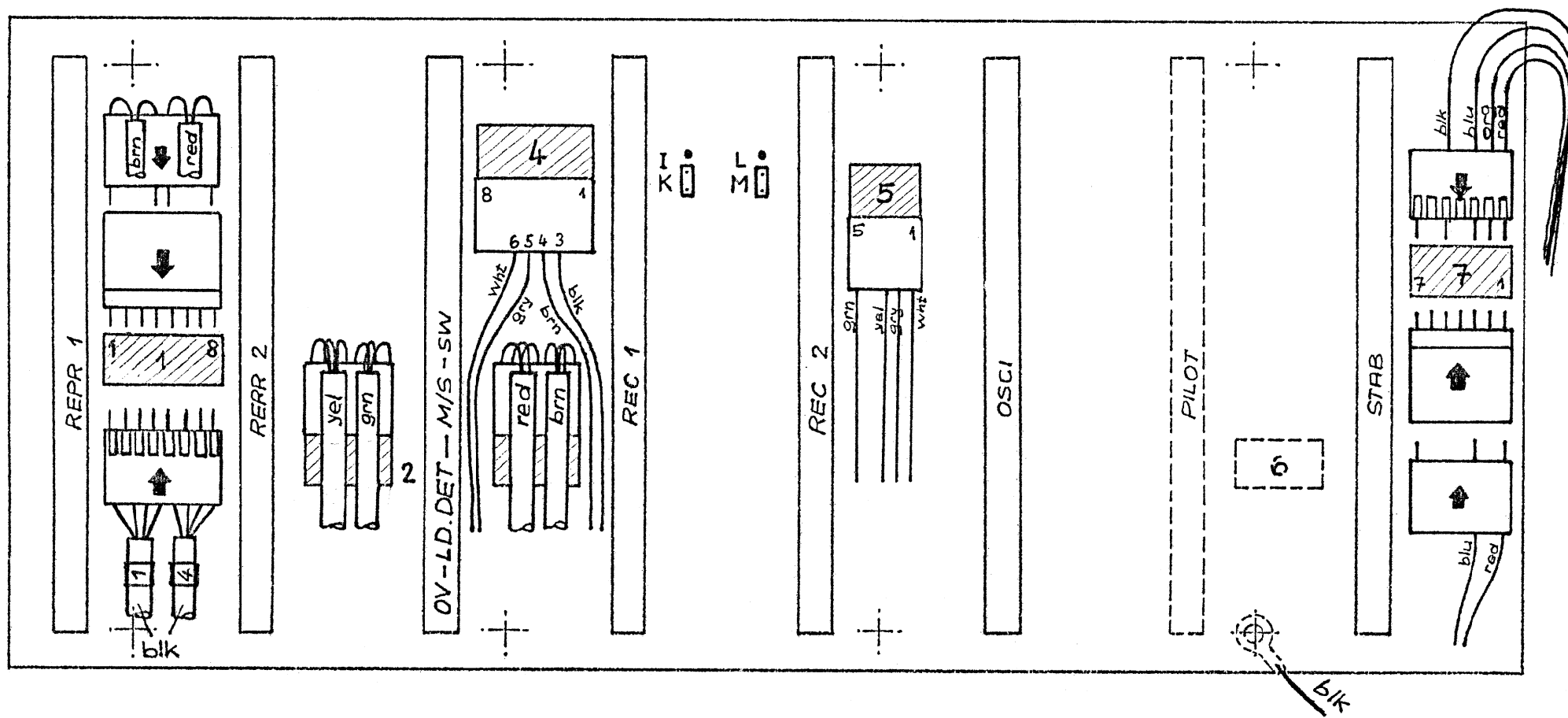
Bild 4



BASISBOARD TO:

B67 - 2 CH / VU PANEL WITH MONITOR

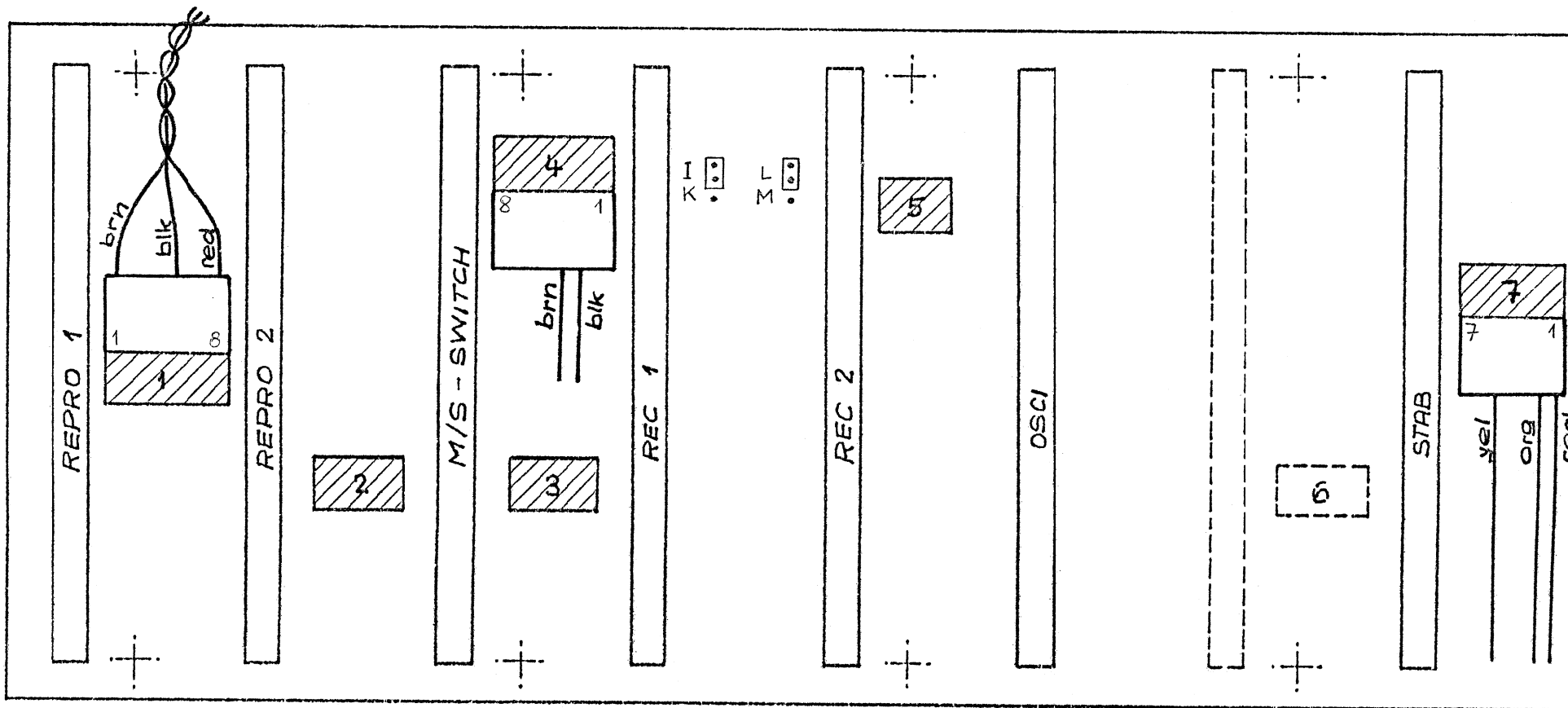
Bild 5



BASISBOARD TO:

B67 - 0.75 WITH M/S - SWITCH

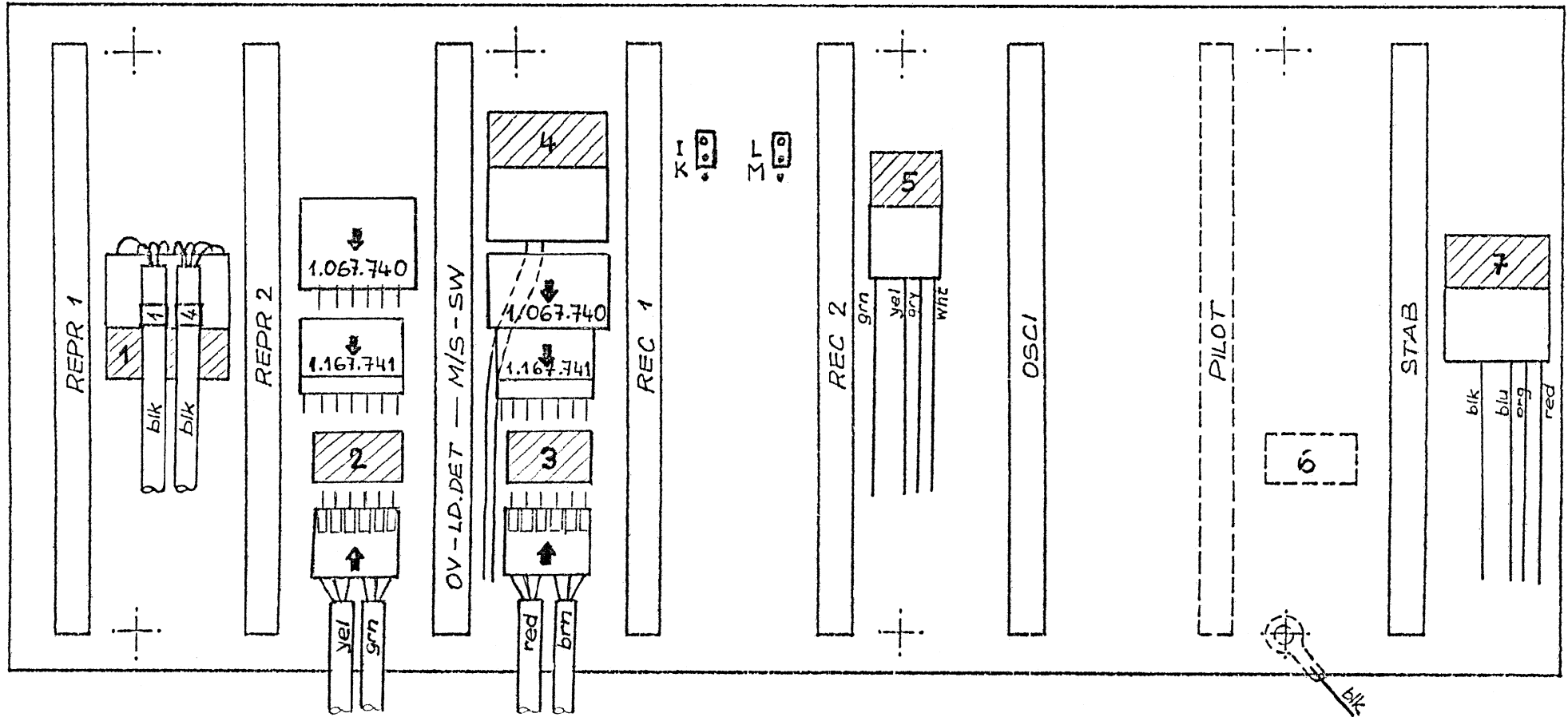
Bild 6



BASISBOARD TO:

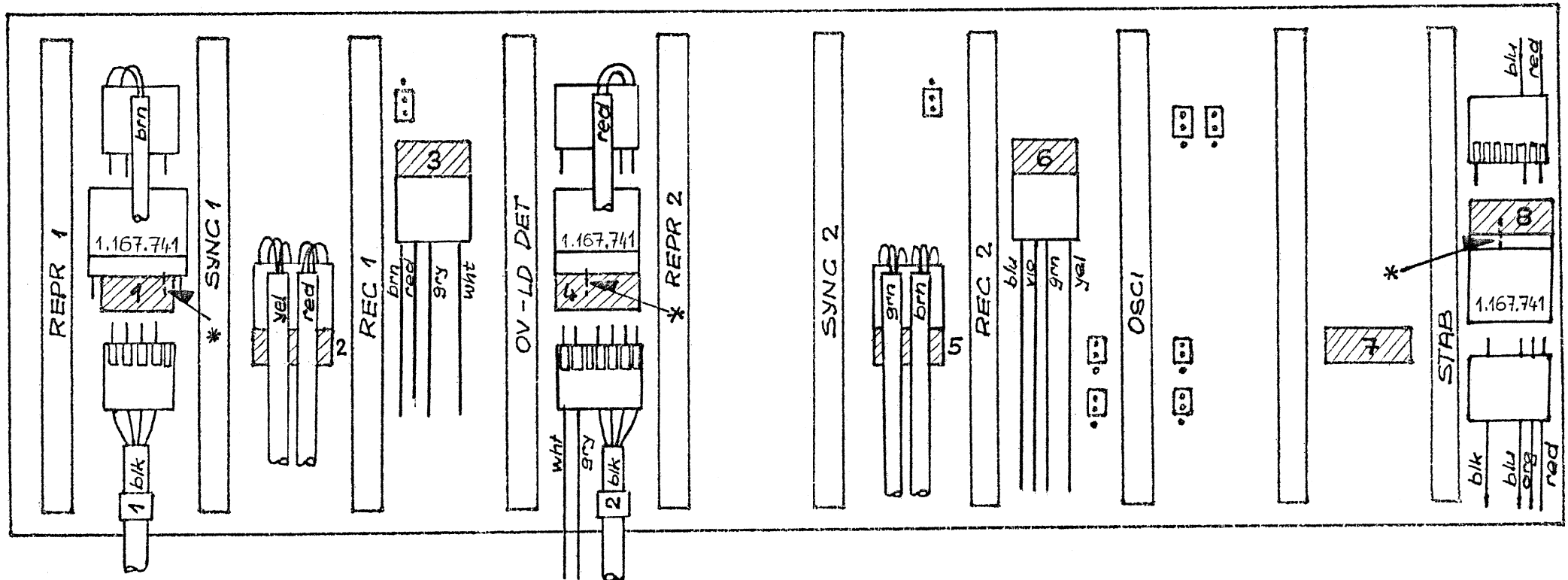
B67 - 2 CH WITH NRK - MONITOR

Bild 7



BASISBOARD TO:

B67 - 2 CH - SYNC WITH MONITOR



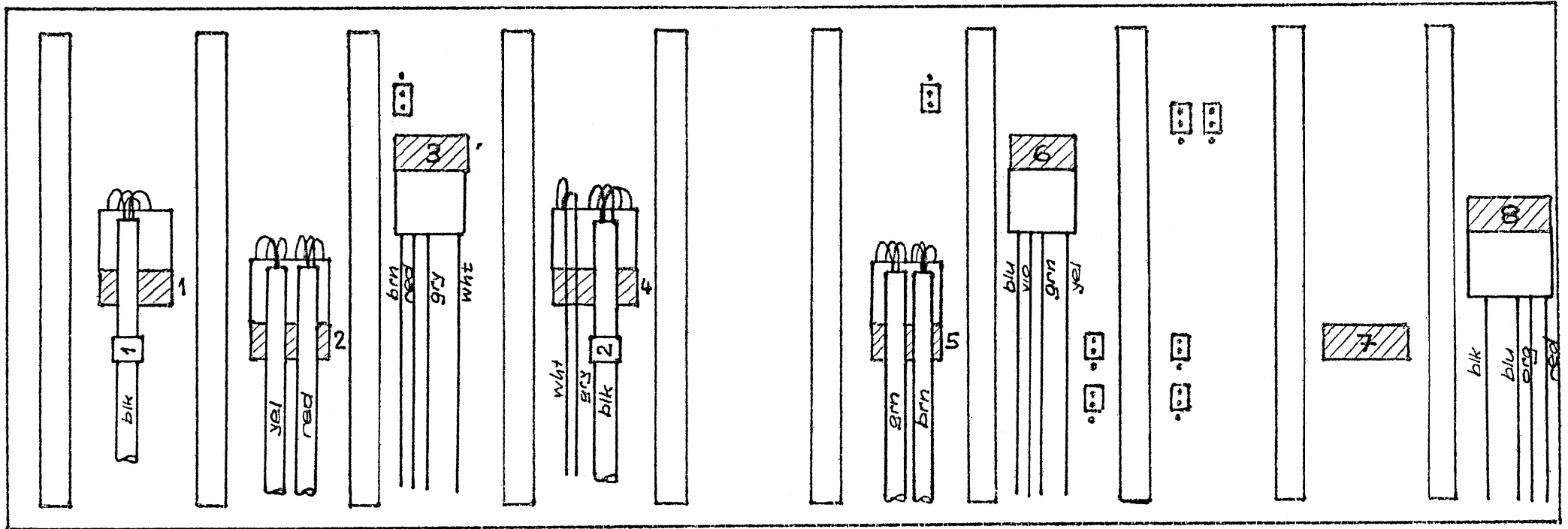
* Codierstift entfernen, dann Steckerprint 7-pol. montieren 1.167.741

* Take off the key and connect with the print 1.167.741.

BASISBOARD TO:

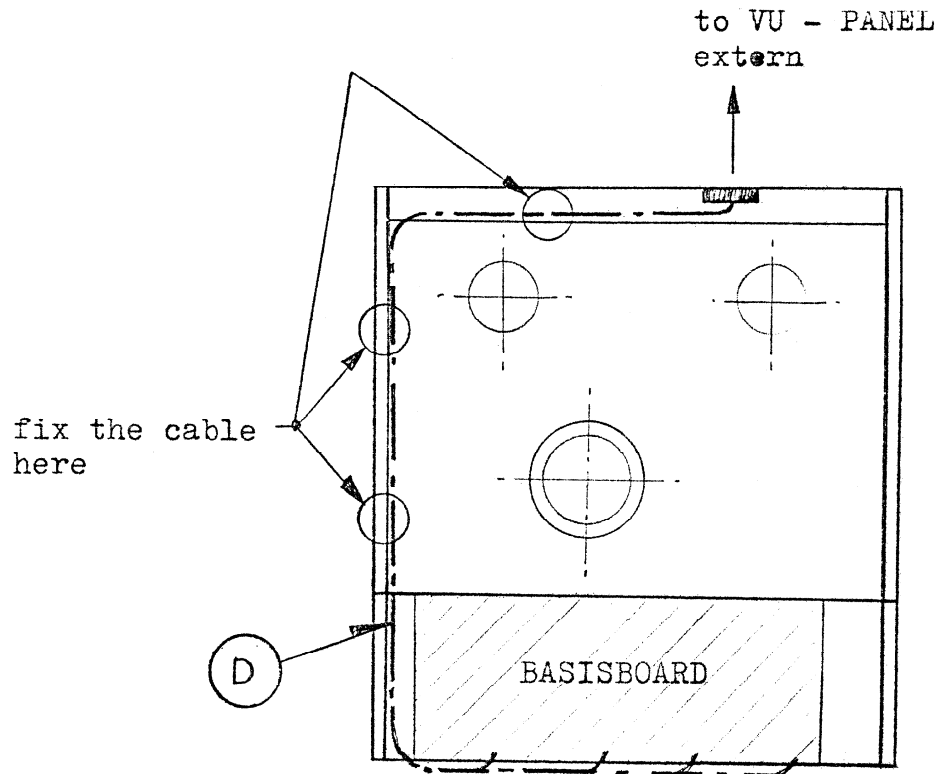
B67 - 2 CH - SYNC / VUK

Bild 9



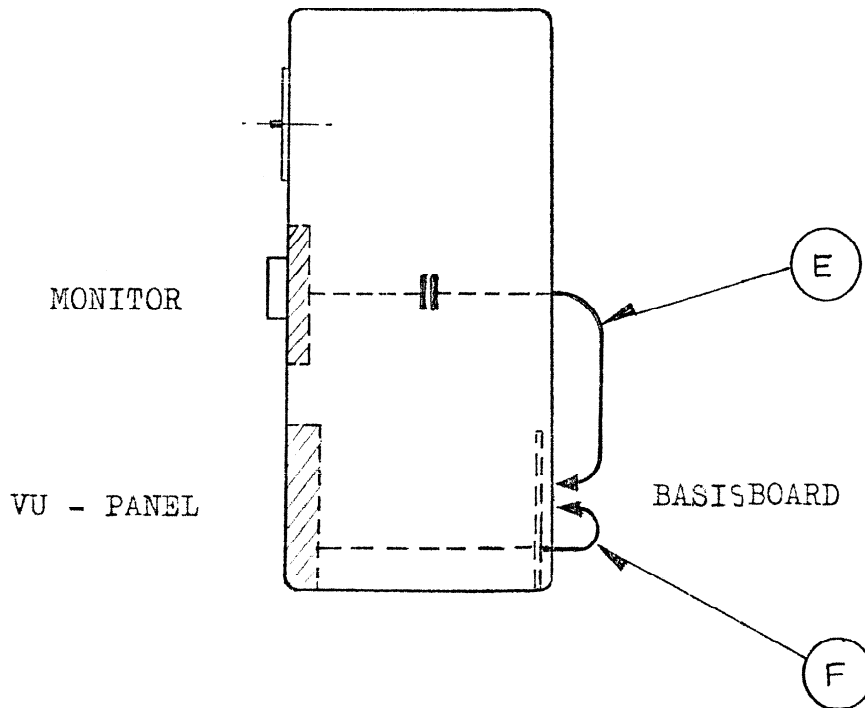
BACK VIEW OFF B67

Bild 10



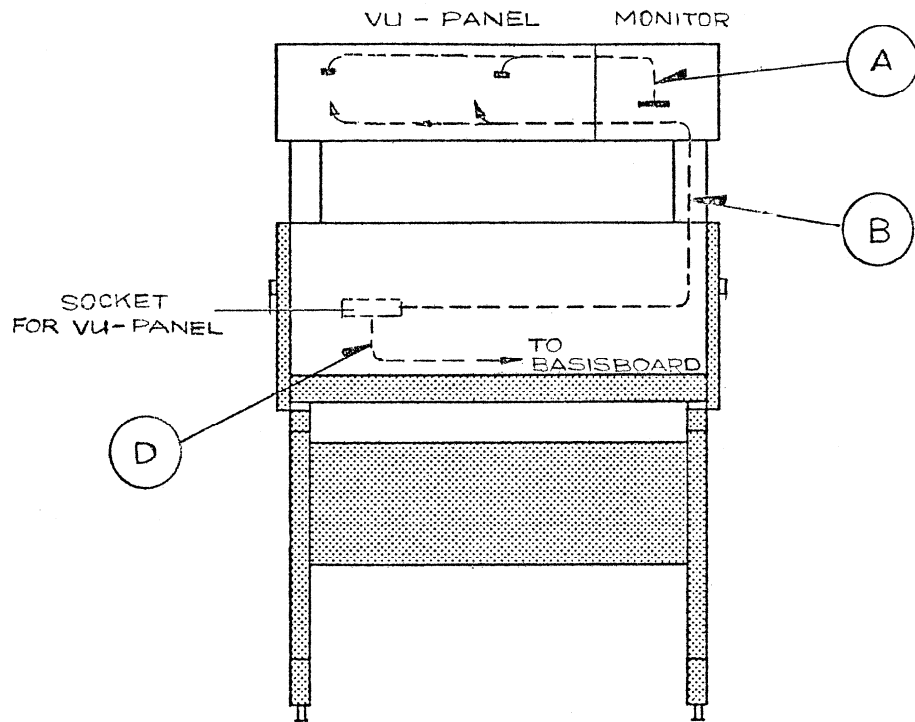
SIDE VIEW OFF B67

Bild 11



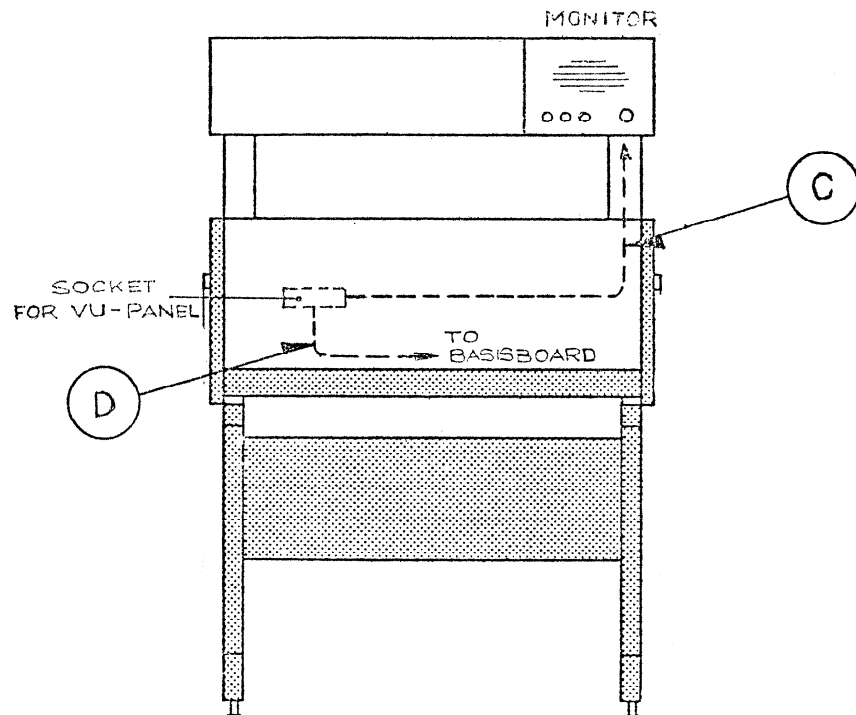
B67 with extern VU - PANEL and MONITOR

Bild 12

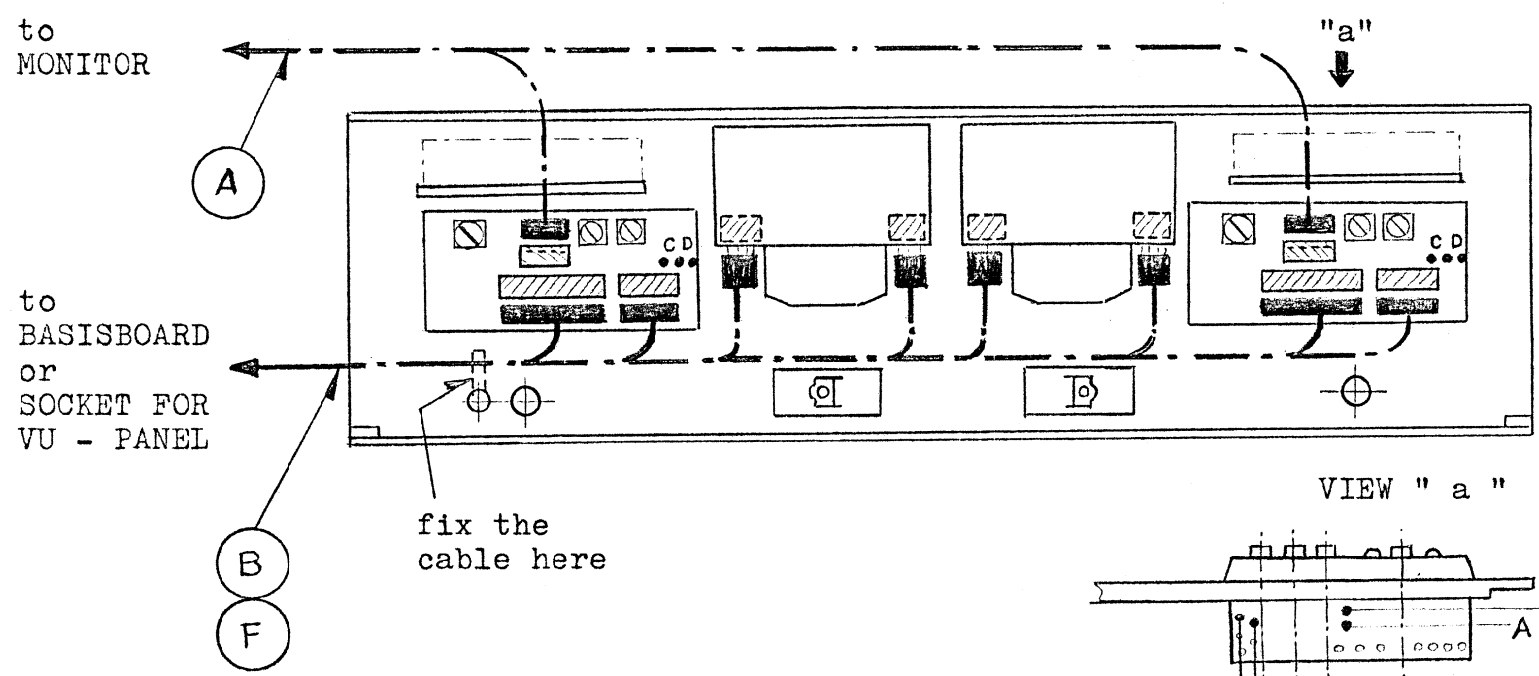


B67 with extern MONITOR (NRK)

Bild 13

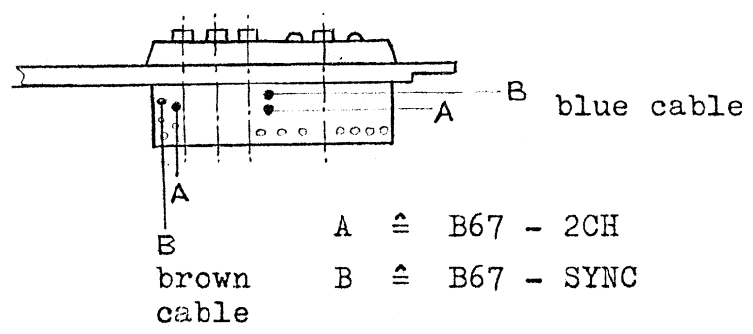


BACK VIEW OFF VU - PANEL

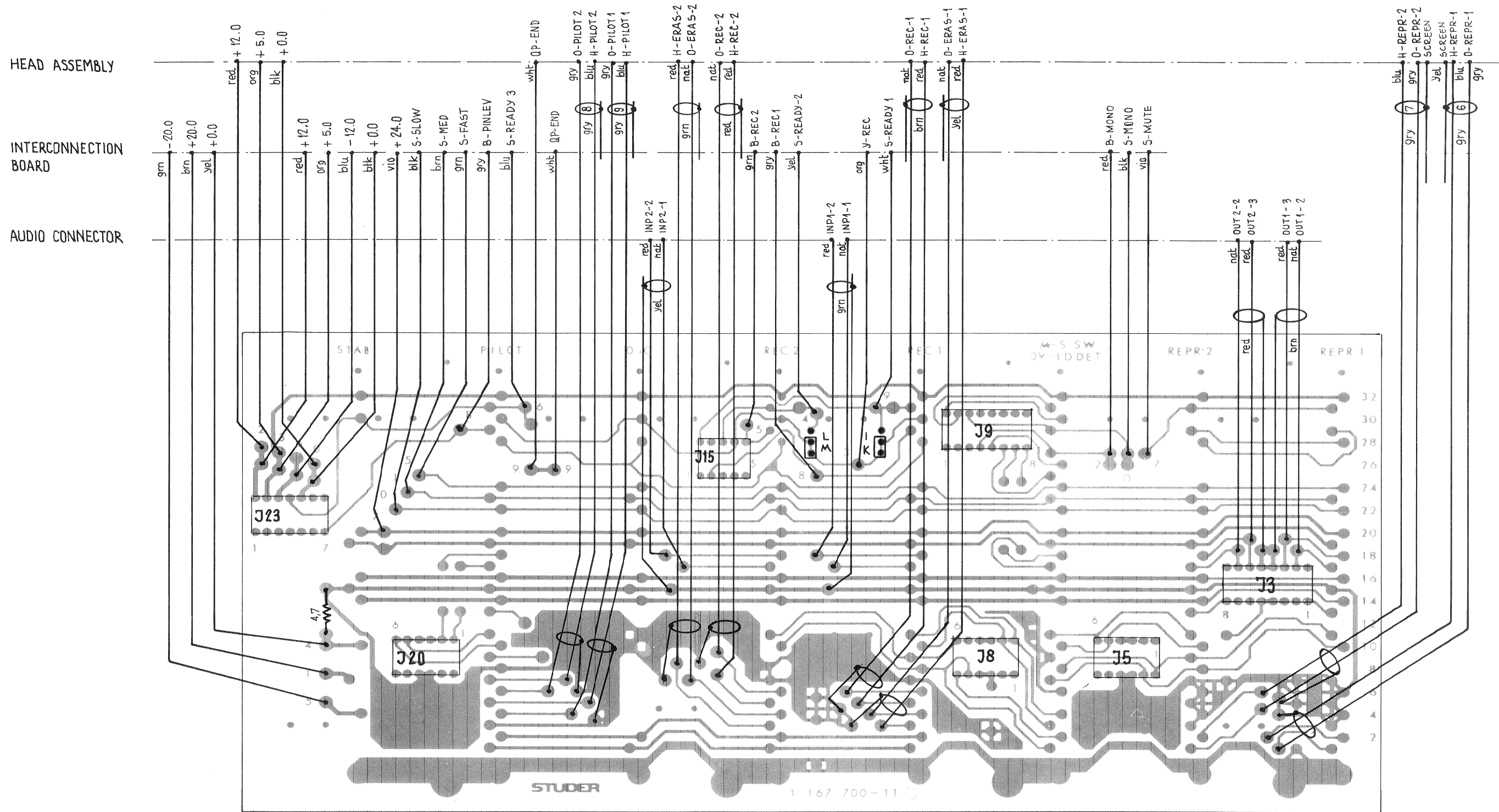


Bridge position:
 C ≐ B67
 D ≐ A80/RC

VIEW " a "



A ≐ B67 - 2CH
 B ≐ B67 - SYNC

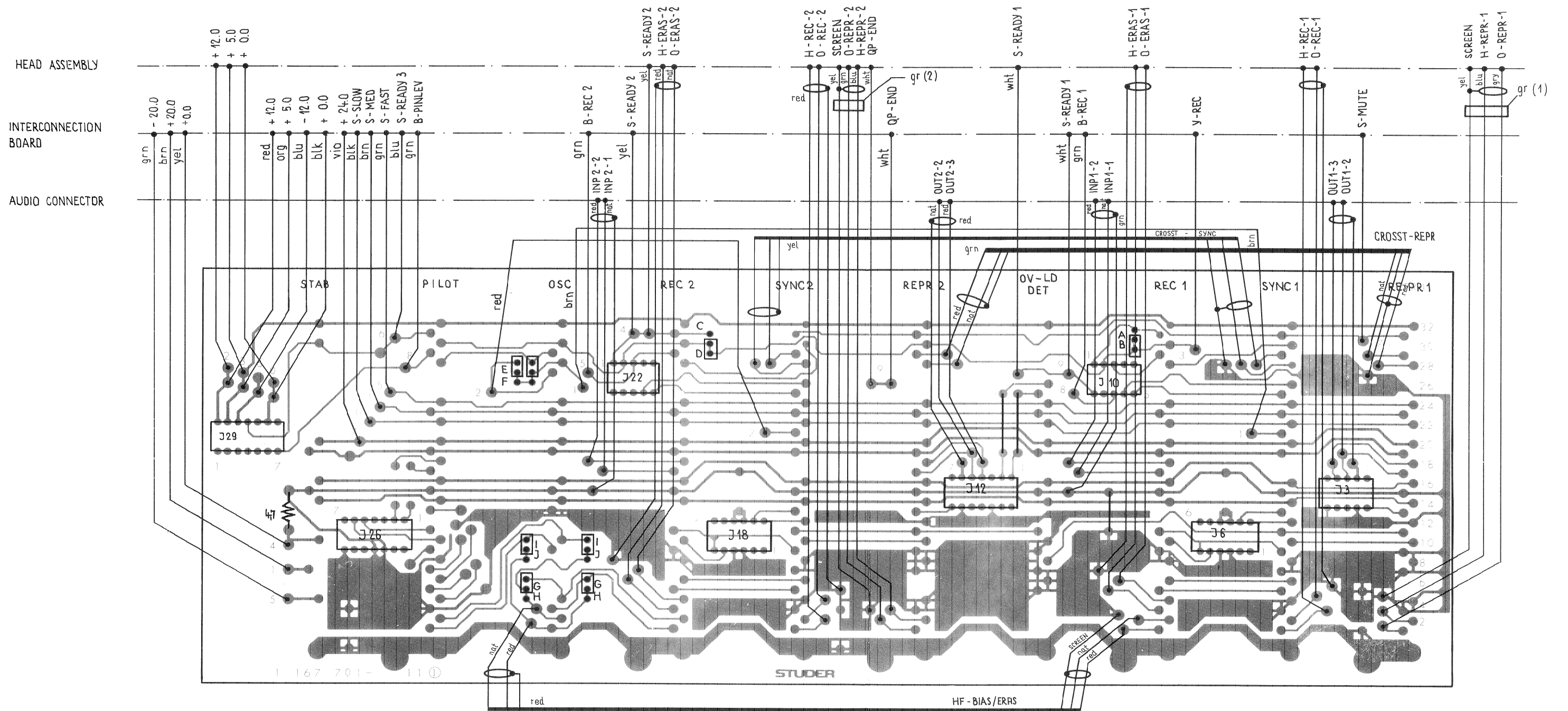


JUMPER POSITION I/L
 WITHOUT SAVE/READY KEY, PLUG JUMPER
 IN POSITION I AND L.

JUMPER POSITION K/M
 WITH SAVE/READY KEY, PLUG JUMPER
 IN POSITION K AND M,
 (RECORD-MODE WHEN ACTIVATING
 READY AND PLAY/REC KEYS.

STUDER	1.167.700
BASIS BOARD 2 CH	
B67	ED 1 1.78

CONNECTOR		SIGNAL
J3	1	OUT 1-1
	2	OUT 1-2
	3	OUT 1-3
	4	OUT 1-0
	5	OUT 2-0
	6	OUT 2-3
	7	OUT 2-2
	8	OUT 2-1
J5	1	OUT 1
	2	REP 1
	3	REP 1-0
	4	REP 2-0
	5	REP 2
	6	OUT 2
J8	1	REC 1
	2	INP 1
	3	INP 1-0
	4	INP 2-0
	5	INP 2
	6	REC 2
J9	1	
	2	
	3	S-MONO
	4	B-MONO
	5	Y-PEAK-1
	6	Y-PEAK-2
	7	
	8	
J15	1	S-READY 1
	2	B-REC 1
	3	S-READY 2
	4	KEY
	5	B-REC 2
J20	1	OUT 3-2
	2	OUT 3-3
	3	SCREEN
	4	SCREEN
	5	INP 3-2
	6	INP 3-1
J23	1	+ 12.0
	2	+ 5.0
	3	-12.0
	4	S-READY 3
	5	+ 0.0
	6	KEY
	7	B-PINLEV



JUMPER POSITION A/C

WITHOUT SAVE/READY KEY, PLUG JUMPER IN POSITION A AND C.

JUMPER POSITION B/D

WITH SAVE/READY KEY, PLUG JUMPER IN POSITION B AND D.
(RECORD-MODE WHEN ACTIVATING READY AND PLAY/REC KEYS)

JUMPER POSITION E/2xI/2xG

NORMAL SETTING
(HF ON ALL CHANNELS SIMULTANEOUS)

STUDER	1.167.701
BASIS BOARD 2 CH-SYNC	
B67	ED 1 1.78

CONNECTOR SIGNAL

J3	1	OUT 1-1	J22	1	S-READY 2
	2	SCREEN		2	KEY
	3	OUT 1-2		3	B-REC 2
	4	OUT 1-3		4	S-INP 2
	5	KEY		5	S-REP 2
J6	1	OUT 1	(J26)	1	OUT 3-2
	2	REP 1		2	OUT 3-3
	3	SCREEN		3	SCREEN
	4	SCREEN		4	SCREEN
	5	INP 1		5	INP 3-2
	6	REC 1		6	INP 3-1
				7	KEY
J10	1	S-READY 1	J29	1	+ 12.0
	2	KEY		2	+ 5.0
	3	B-REC 1		3	-12.0
	4	S-INP 1		4	S-READY 3
	5	S-REP 1		5	KEY
J12	1	Y-PEAK-2		6	+ 0.0
	2	Y-PEAK-1		7	B-PINLEV
	3	KEY			
	4	OUT 2-3			
	5	OUT 2-2			
	6	SCREEN			
	7	OUT 2-1			
J18	1	OUT 2			
	2	REP 2			
	3	SCREEN			
	4	SCREEN			
	5	INP 2			
	6	REC 2			