

STUDER

PROFESSIONAL AUDIO EQUIPMENT

Service Information

Service Information SI 23/77

Nachrüstsatz: Variable speed control
B67 / A67

Supplementary kit : Variable
Speed control B67 / A67

Nachrüstsatz: Variable speed control
B67 / A67

Service Information SI 23/77 D

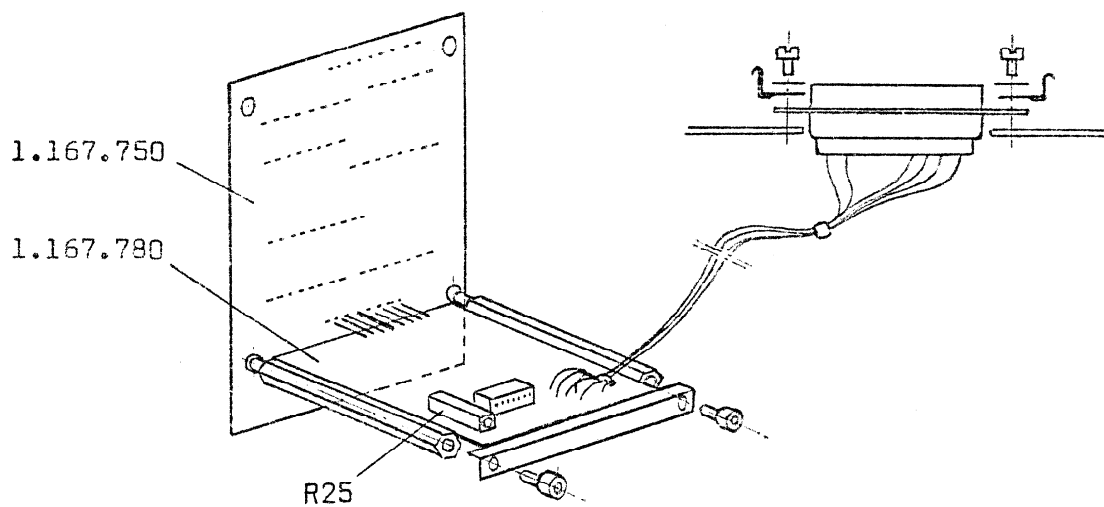
Nachrüstsatz 20.020.102.02 besteht aus:

- 1 Stk. 1.167.780 Print VARIABLE SPEED CONTROL
- 1 Stk. 1.167.781 SPEED CONTROL KIT
- 4 Stk. 35.03.0109 Kabelbinder
- 1 Stk. Montageanleitung SI 23/77

Montageanleitung

WICHTIG: Vor dem Einbau des Variable speed control Print in die A67, müssen die +12V / -12V Spannungen auf dem Print 1.067.750-11 vertauscht werden. [siehe Beilage]

- Kabelbund CAPSTAN SPEED CONTROL demontieren.
[Befestigungsmaterial für Steckerbuchse wird wieder verwendet]
- Print 1.167.780 auf Verbindungsprint 1.167.750 montieren [s. Skizze:
In Maschine rechts aussen, von hinten betrachtet.]
- Kabelbund von 1.167.780 mit Kabelbinder [4 Stück] befestigen.
- Steckerbuchse montieren wie bei CAPSTAN SPEED CONTROL.



Einstellungen

- Ableseskala von SPEED CONTROL KIT auf "500" und 10 Gang Potentiometer auf Mittelstellung einstellen.
- Maschine in Pos. "FAST" starten.
- Frequenz mit Counter an TP 1 auf CAPSTAN SPEED CONTROL - Print messen. Mit Potentiometer R25 auf VARIABLE SPEED CONTROL 1.167.780 justieren auf $f = 1600 \text{ Hz}$.

MEDIUM $f = 800 \text{ Hz}$

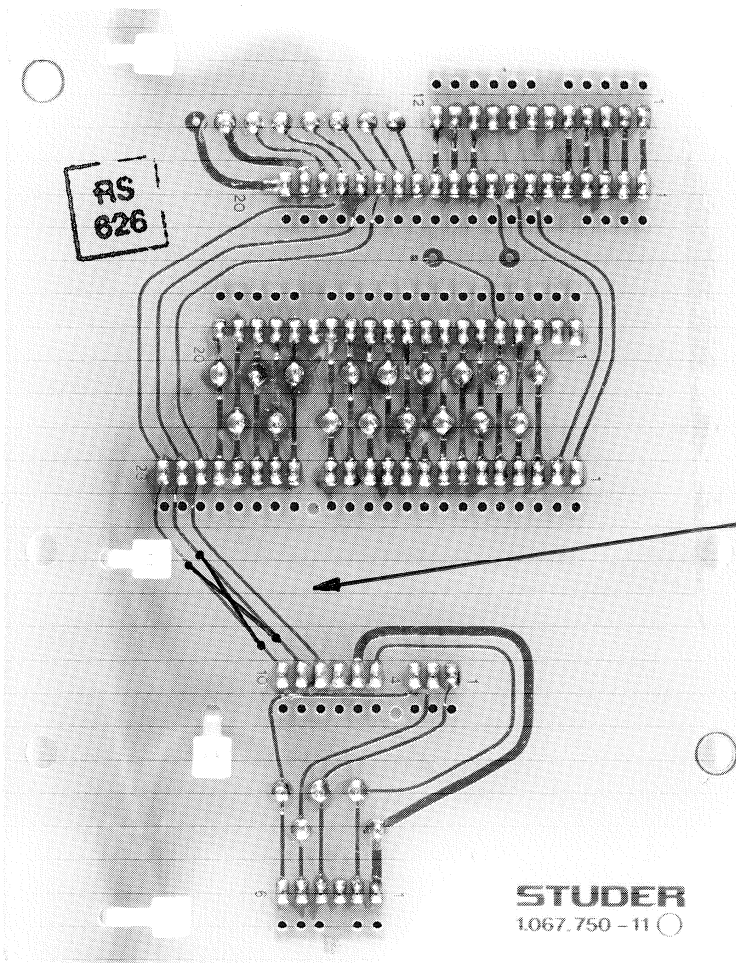
SLOW $f = 400 \text{ Hz}$

Beilagen

- 1 Schema VSC 1.167.780
- 1 Schema SCK 1.167.781
- 1 Skizze Aenderung A67

A 67

Aenderung für Einbau von Vari Speed Print
1.167.780.00



$\pm 12 V$
vertauschen
(Leiterbahn
unterbrechen)

Supplementary kit : Variable
Speed control B67 / A67
Service Information SI 23/77E

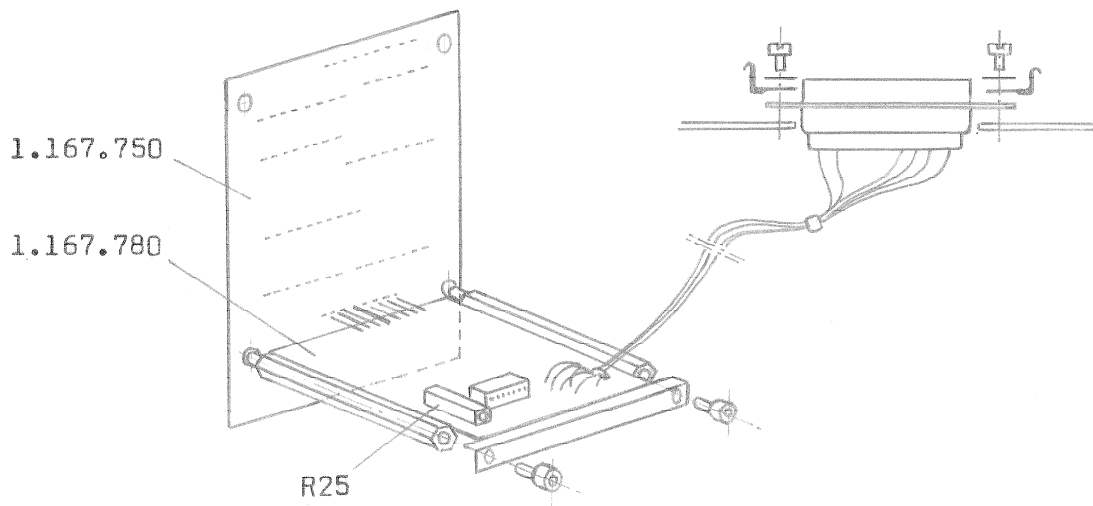
Supplementary kit 20.020.102.02 consists of :

- 1 piece 1.167.780 VARIABLE SPEED CONTROL PcB
- 1 piece 1.167.781 SPEED CONTROL KIT
- 4 pieces 35.03.0109 cable binders
- 1 piece Mounting Instructions SI 23/77

Mounting instructions

Important : Before mounting the variable speed control pcb in an A67 , change the wiring of the +12V / -12V supply Voltage on the Interconnection pcb 1.067.750.11 according to the attached drawing.

- Remove the CAPSTAN SPEED CONTROL wire harness.
(The mounting material from the Connector will be used again.)
- Mount 1.167.780 pcb onto the INTERCONNECTION BOARD 1.167.750 according to the drawing.
- Secure the new wire harness with the 4 cable binders.
- Mount the connector of the wireharness in the position previously occupied by the CAPSTAN SPEED connector.



Electrical adjustment

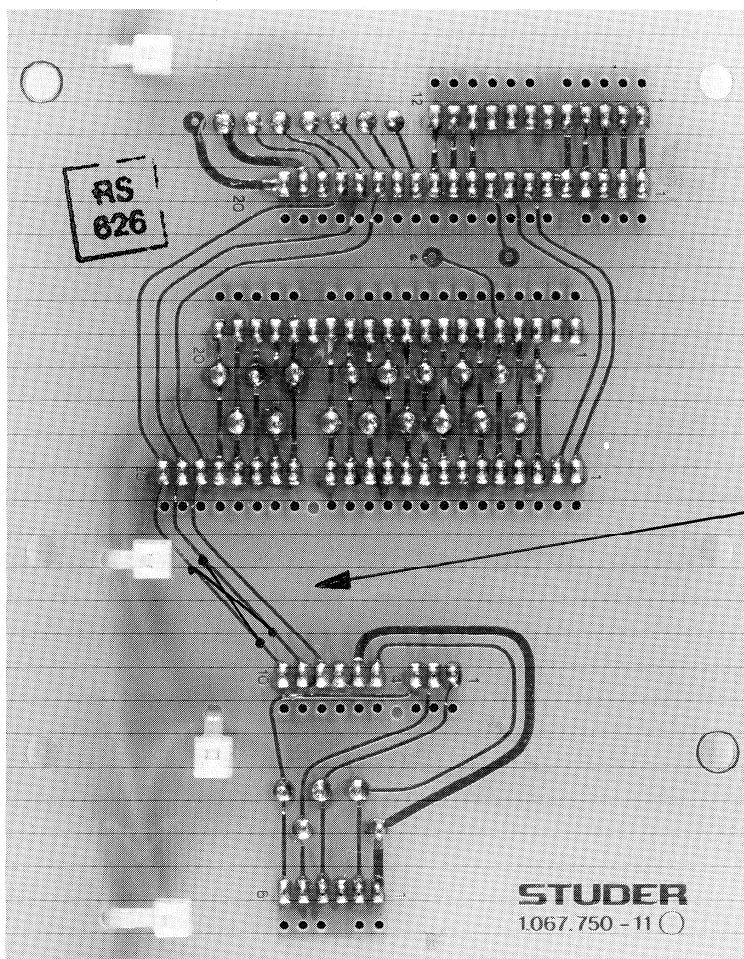
- Set the variable speed potentiometer to the position " 500 " (middle position)
- Select the highest tape speed (15 ips) and start the machine in PLAY mode.
- Connect a frequency counter to TP1 on the CAPSTAN SPEED CONTROL PCB 1.167.235.
- Adjust with potentiometer R25 on the VARIABLE SPEED CONTROL PCB to a counter reading of 1600 Hz at 15 ips.
- Check the remaining 2 tape speeds :
7,5 ips = 800 Hz, 3 3/4 ips = 400 Hz
readjust if necessary.

Enclosures :

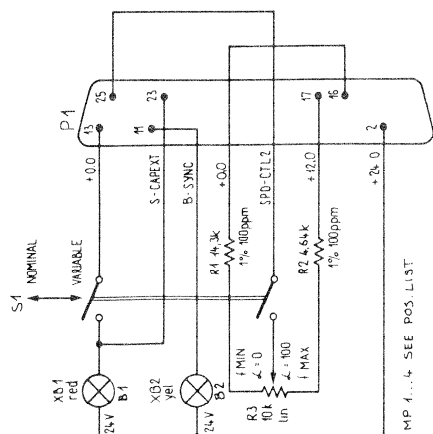
- Schematic diagram VSC 1.167.780
SCK 1.167.781
- Drawing modification A67

A 67

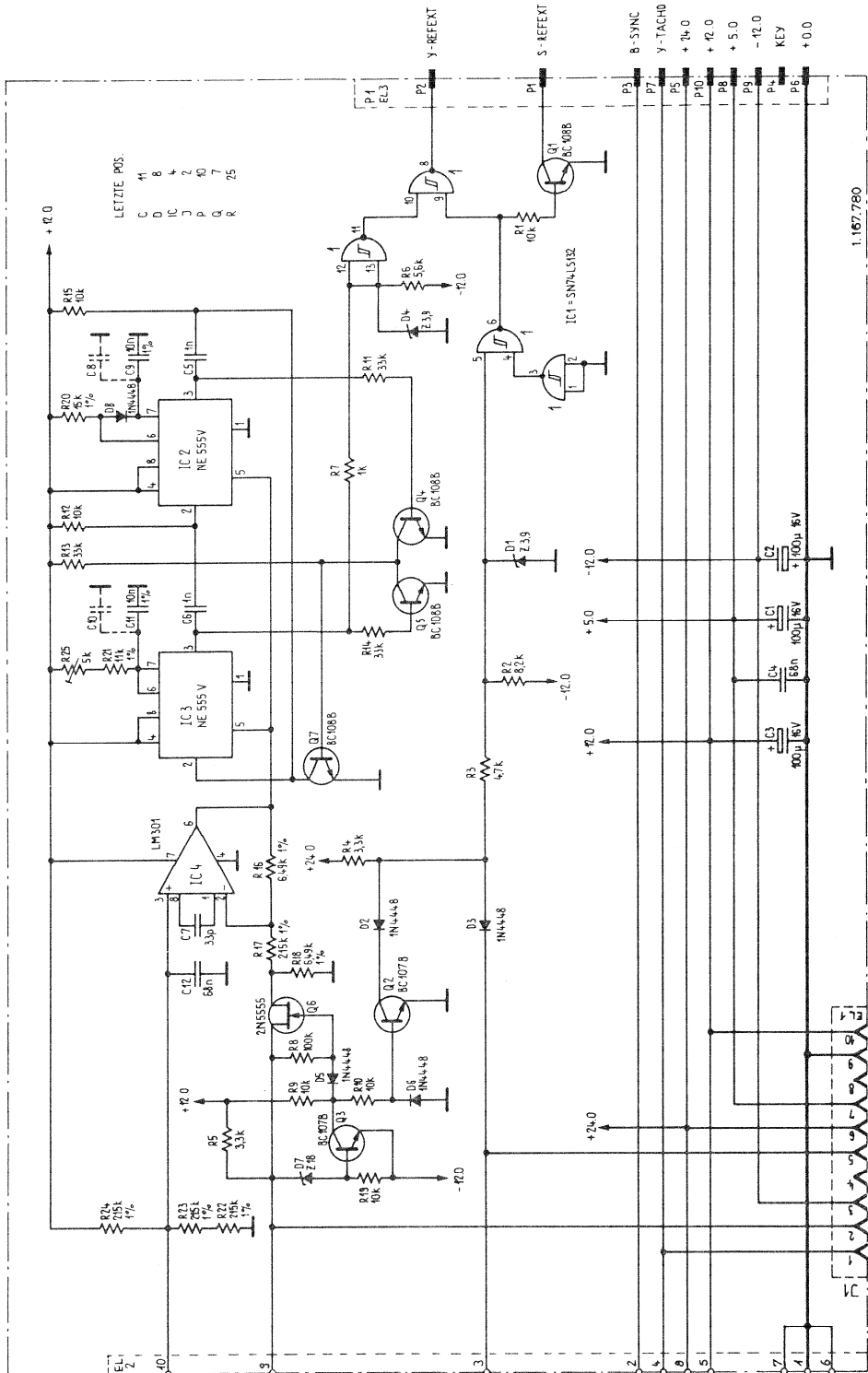
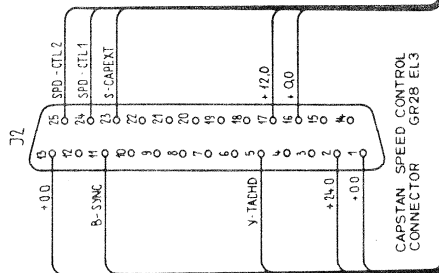
Before mounting the VARIABLE
SPEED CONTROL 1.167.780. the
following modification has to
be carried out.



+ 12 V has to be
interchanged
(cut the remaining
tracks after wards)



SPEED CONTROL KIT 1167781



VARIABLE SPEED CONTROL
GR 32

REV. 17.2.6/14
STW 5.41.76