SI 92/85

Second up date of A725 CD Player

Software

This is the second software up date action for this player. The reason
for this software up date is that with the first up date version we
still received occasional hang-up cases. This is now definitly taken
care of with the new program.

In addition to this, the tracking behaviour at the very end of a disc
has been improved. The laser can now be moved to the end of the last
track in PAUSE mode, without causing clicks or hang-ups.

The EPROM containing the new software 1.025.621.23 is to replace the
EPROM on the microprocessor board (1.769.325.00).

Recommended Hardware modification

In Pause mode, low level disturbance may be audible on the audio out-
puts of the player. These are only audible if the audio signals are
monitored at very high level.

The interference signal level peaks between 83.5 dB and 86 dB below
maximum line level.
After the modification these signals drop below - 86 dB.

This interference is caused by peak currents drawn by the laser servo,
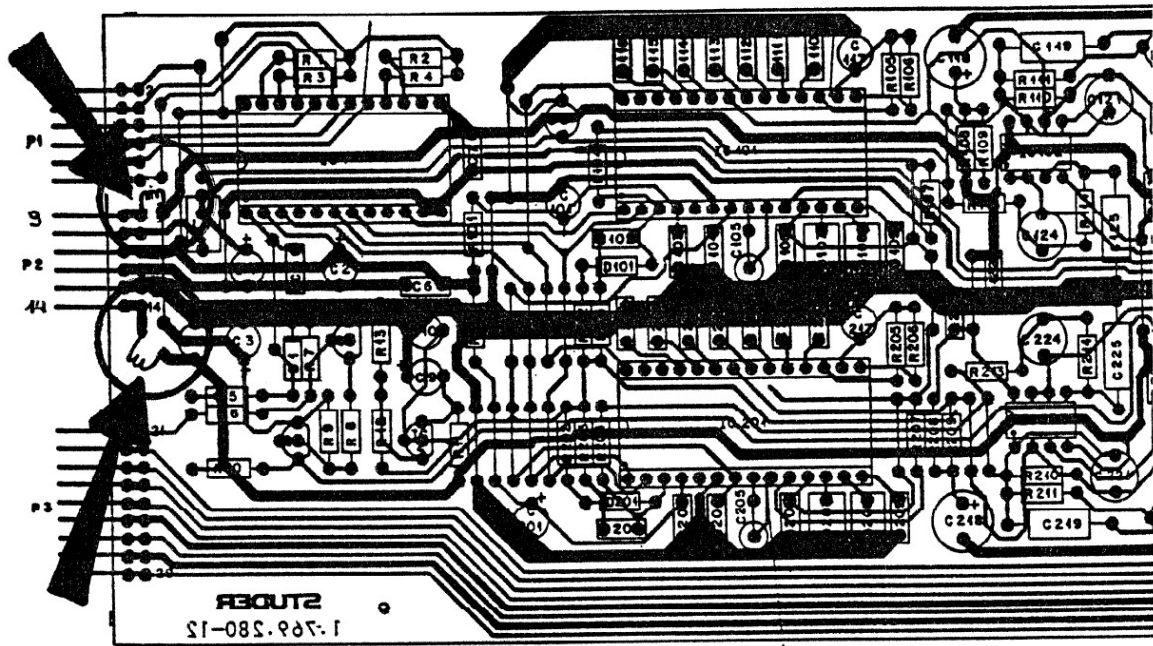as it moves back and forth in PAUSE mode.
This servo may take a maximum of 300 mA for an abrupt radial correction,
and this causes spikes on the +/- 12 Volt power supply of the D/A Con-
verter.

The interference signals are eliminated by inserting a coil in the
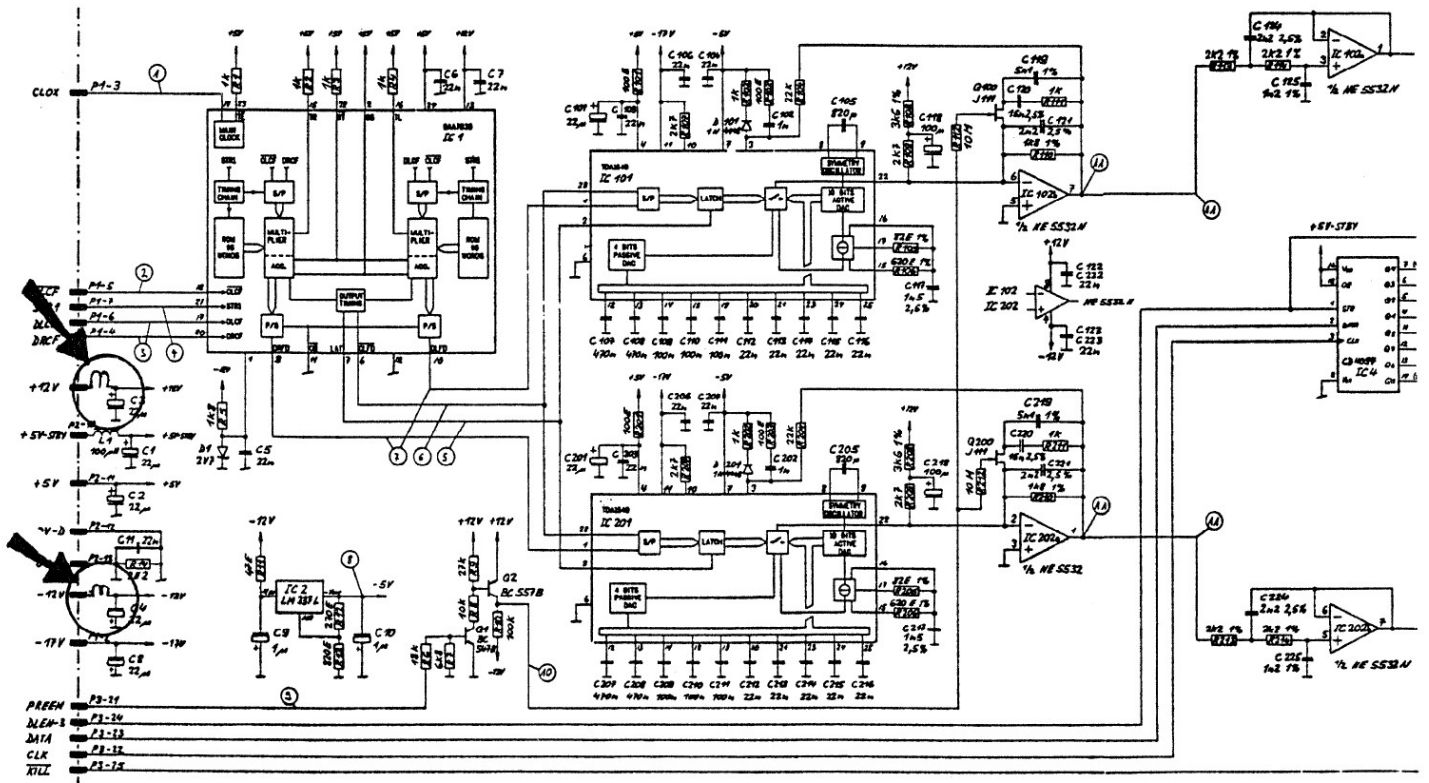+ 12 V and the - 12 V power supply line.
(100 uH, max. 170 mA, ordering number of the coil is 62.02.3101).

On the DAC PCB (1.769.285) the circuit connection of at P2 pin 9 and
at P2 pin 14 are to be interrupted, and the coils are to be inserted.
The coils need to be inserted near the P2 connector, before the capa-
citors C3 and C4.

Please turn this sheet over, for the DAC circuit diagram and PCB layout.

STUDER
1-769.280-12

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