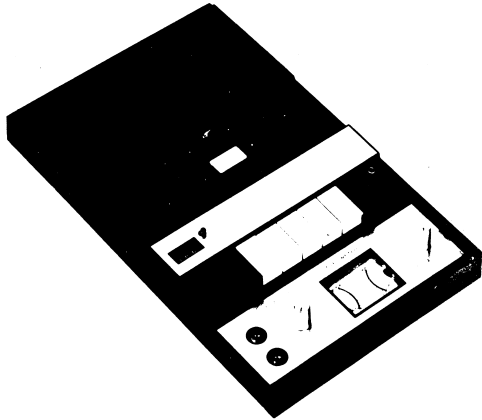
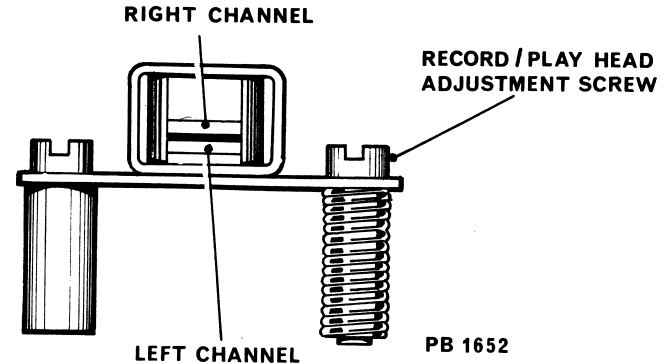


HEAD ADJUSTMENT

The Record/Play head is adjustable in its azimuth position only.

The Erase head is not adjustable in any of its positions. The azimuth position of the Record/Play head is adjusted by using a pre-recorded azimuth adjustment cassette Part No. 4121-031-01 (Philips type 4822-218-001-99).

1. Connect a 470K ohm dummy load to pin 3 of output plug and a VTVM across dummy load.
2. Place a pre-recorded azimuth adjustment cassette in the unit.
3. Turn Record/Play head adjustment screw as shown to obtain the maximum reading on the VTVM.



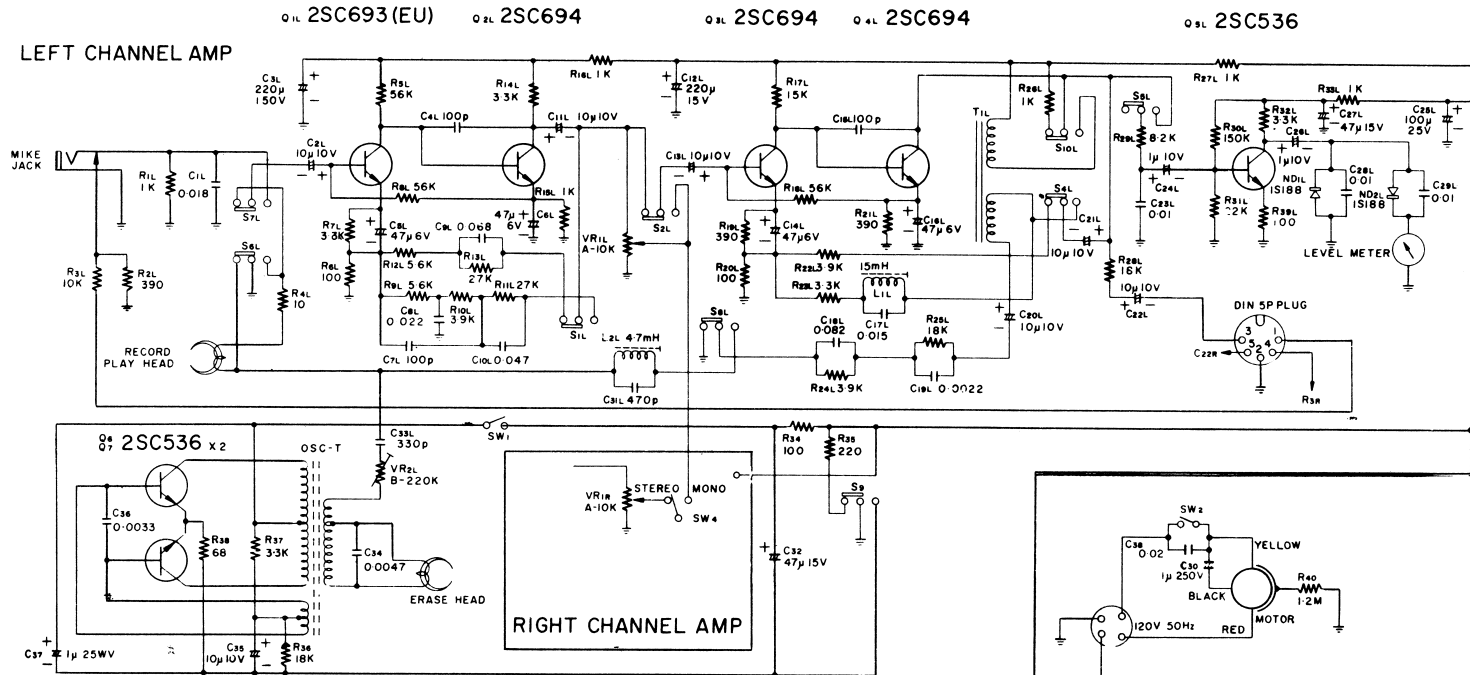
POWER SOURCE: Motor - 100 Volts 50Hz
Pre-amps - 12 Volts D.C.

REMOVAL OF TAPE UNIT:

Unplug lead from unit at the chassis
Remove two control knobs
Remove four screws securing front escutcheon and lift escutcheon clear of main unit.
Remove five screws securing main unit to cabinet and lift clear.
Disconnect leads from tape power transformer and remove tape unit from cabinet.

LUBRICATION

Surfaces must be cleaned before relubrication to remove all traces of dirt, grit and old oil. Use small quantities of oil and wipe off any excess to prevent the lubricant from spreading and to prevent an accumulation of dust and grit. Lubricate slide and pivot points with record changer oil. It is important that the rubber surface of the pressure roller and the surface of the capstan shaft be kept clean and free of any traces of oil.

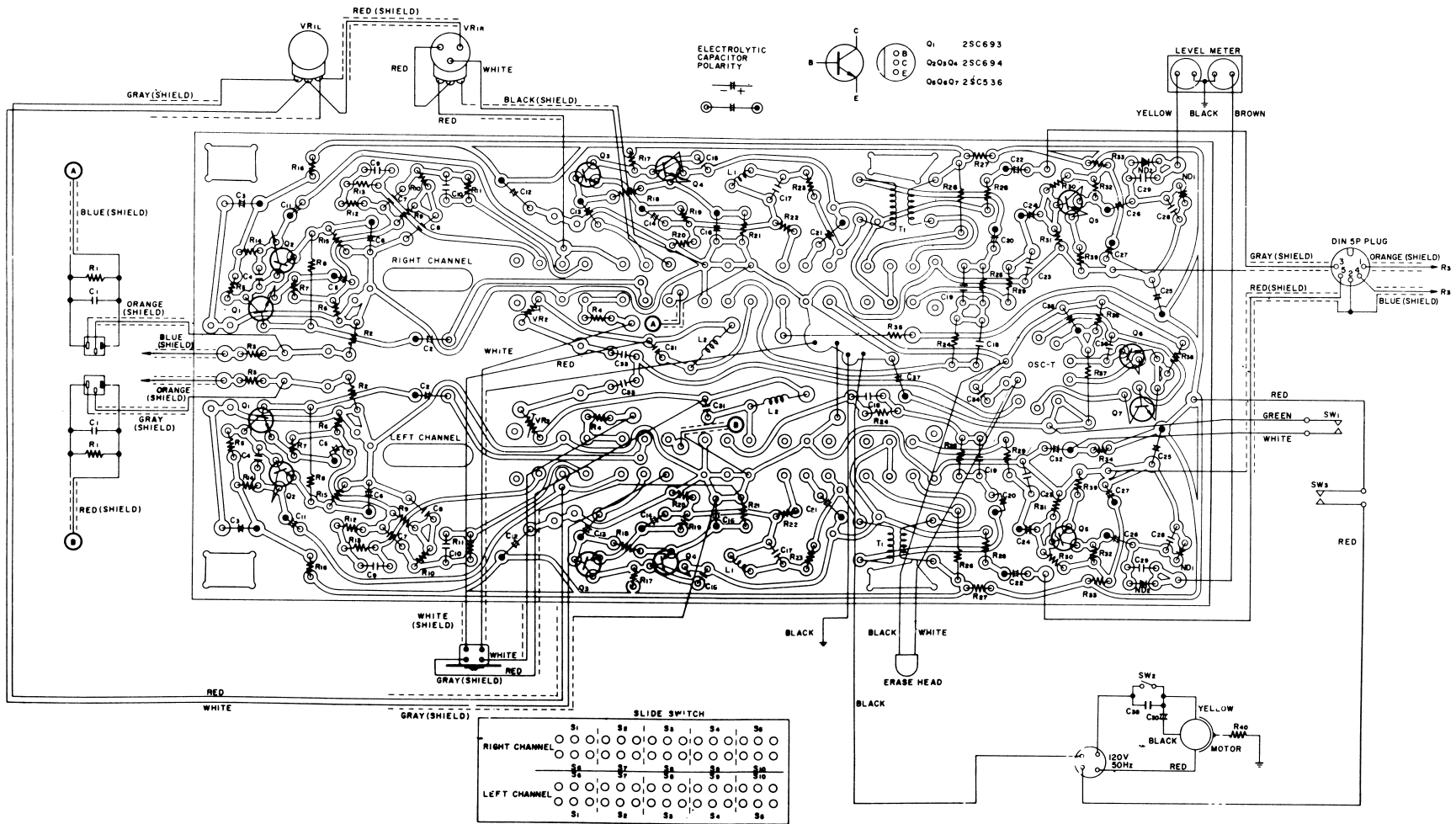


BIAS TRAP ALIGNMENT

1. Connect a 470K ohm dummy load to pin 3 of output plug and a VTVM across dummy load.
2. Place unit in record position and adjust L2 Left with a non-metallic aligning tool for minimum reading on VTVM.
3. Repeat steps 1 and 2 for Right channel using pin 5 of output plug and L2 Right.

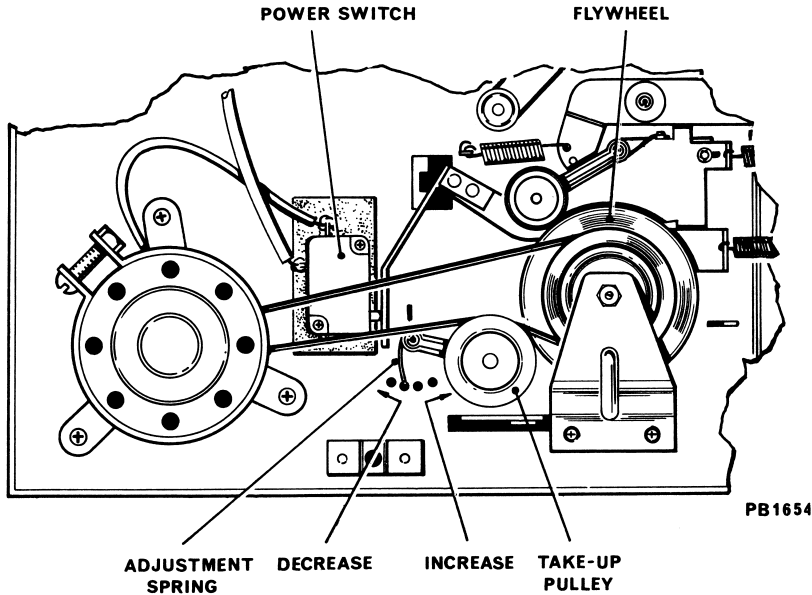
RECORD BIAS ALIGNMENT

1. Connect VTVM across R4 Left.
2. Place unit in record position and adjust VR2 Left for 3.5 millivolts across R4 Left.
3. Repeat steps 1 and 2 for Right channel using VR2 Right and R4 Right.



TAKE-UP REEL SPINDLE

If additional tension is needed on the take-up reel spindle the spring may be hooked in a different hole as shown.



PINCH ROLLER ADJUSTMENT

The pinch roller may be adjusted as shown. Hook spring in hole required.

