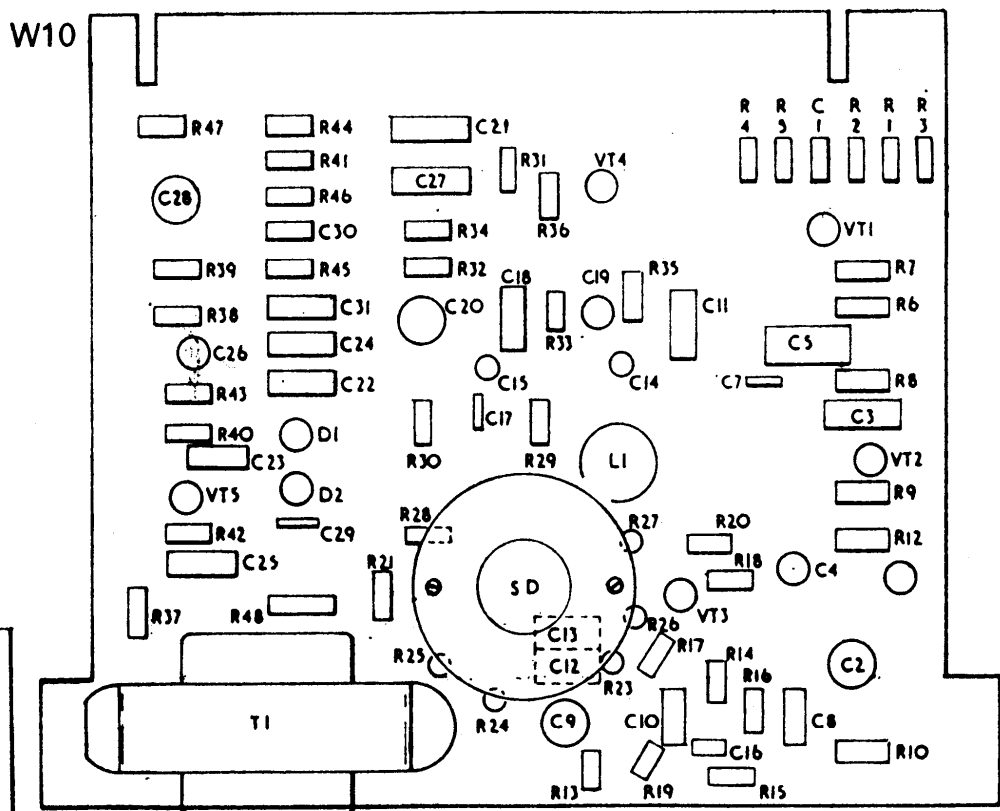


**General Description:** A fully transistorised, three speed ( $7\frac{1}{2}$ ,  $3\frac{3}{4}$ , 1 in./sec.), four-track, stereo tape recorder with facilities for transferring recordings between tracks 1 and 3. Only the right-hand channel is shown. The left-hand channel uses an identical circuit. For use on 200–240-volt A.C. mains. The Modified Output Stage and Voltage Data is shown on the section of the Circuit Diagram 7c.

### Dismantling

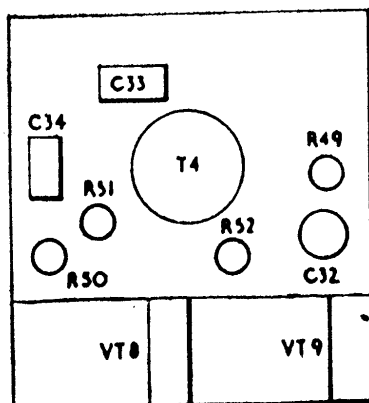
**To Remove Head Cover:** 1. Slide off the speed selector knob (remove lock screw if fitted in end of knob). 2. Remove the two fixing screws at the top of the head cover. 3. Take off the cover. Follow reverse sequence when assembling.

**To Remove Main Cover:** 1. Remove head cover as above. 2. Remove the volume and selector knobs. 3. Remove five counter-sunk screws in the cover. 4. Remove the two smaller cheese-head screws in the cover. 5. Take off the main cover. Follow reverse sequence when assembling taking care that the main cover is not held off by displaced wires etc., or tape reels may foul cover.



(W10) (Above) COMPONENT LAY-OUT—RECORD/  
REPLAY AMPLIFIERS—MODEL STR1

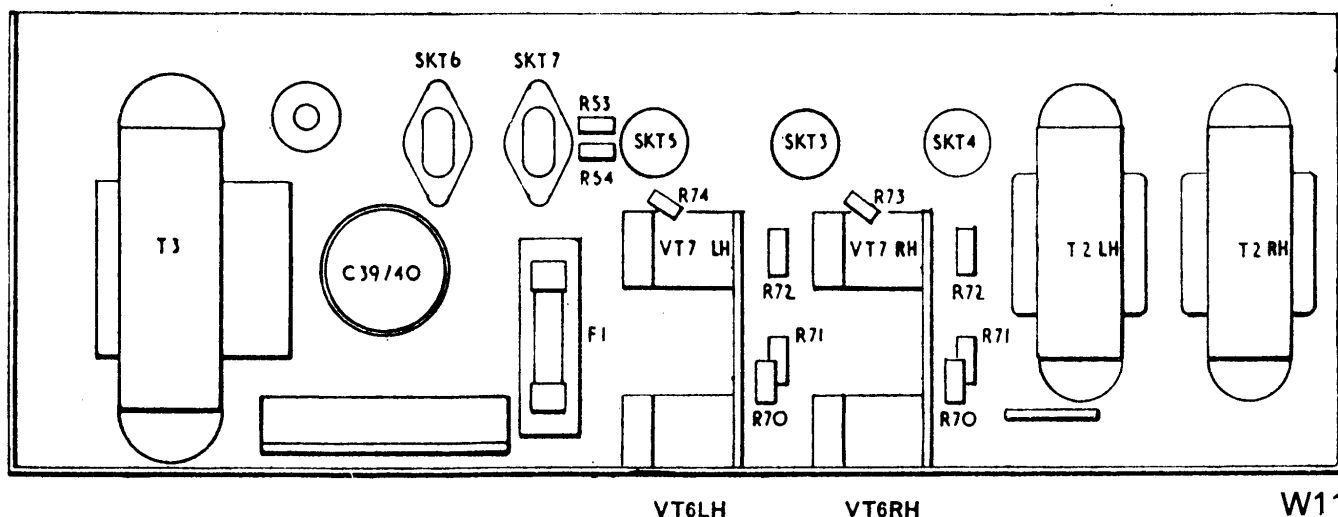
(W12) (Left) COMPONENT LAY-OUT—OSCILLATOR—  
MODEL STR1



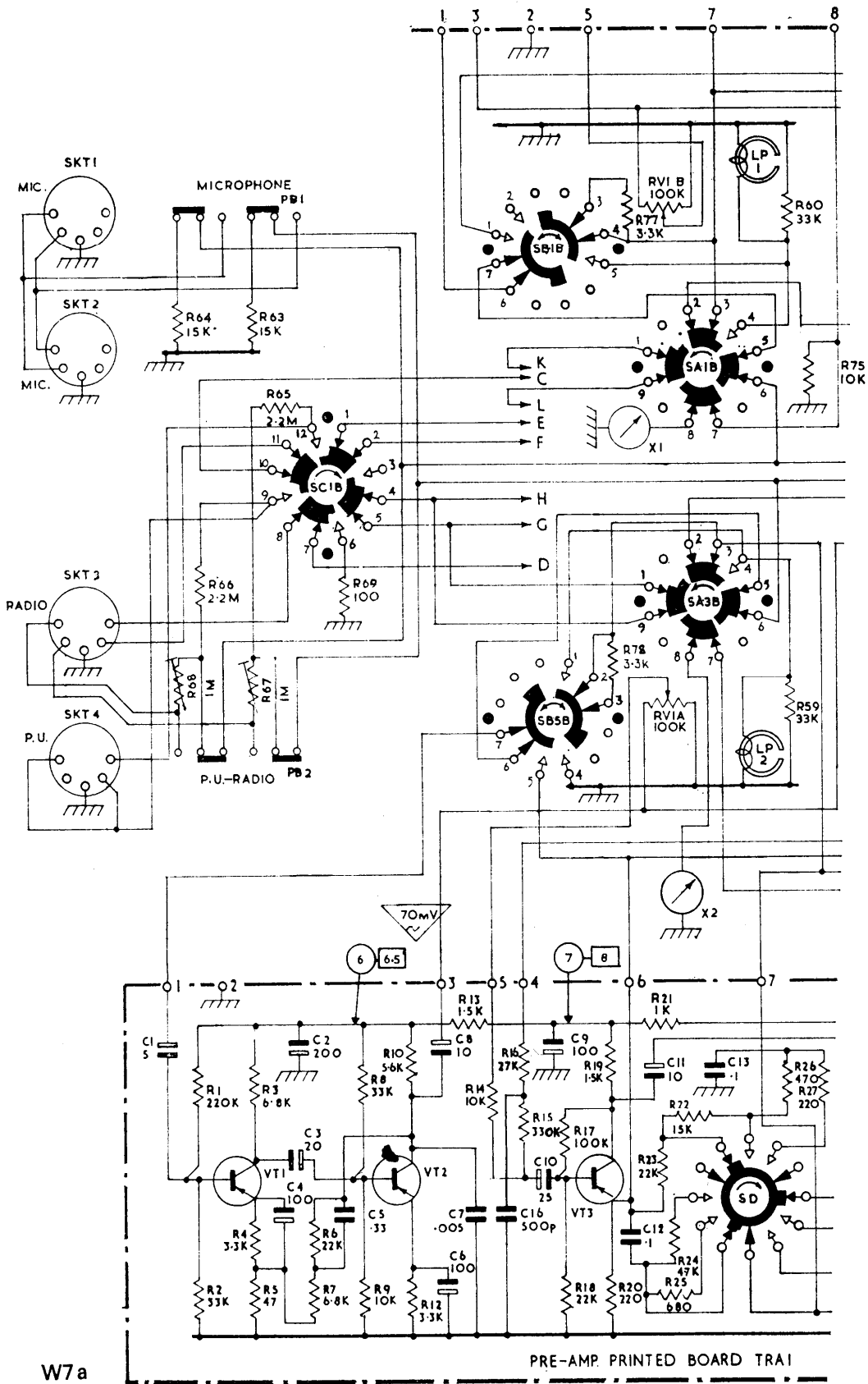
**To Remove Complete Machine from Case:** 1. Remove covers as above. 2. Locate and remove four cheese-head 4BA screws securing deck plate to case. One will be found at each rear corner of deck plate, another adjacent to the counter and the fourth is reached through an aperture in the meter mounting plate. 3. Lift complete machine from case and, if necessary, disconnect loudspeaker leads. When reassembling take care not to trap any wiring associated with selector switch.

**To Remove Amplifier Print Panels:** 1. Remove instrument from case. 2. Temporarily remove counter drive belt. 3. Loosen socket head set screw securing speed change lever to equalisation switch shaft and lift off bush from shaft. 4. Carefully withdraw completely the equalisation switch shaft. 5. Unsolder two link wires from top print panel and connector strip. 6. Remove tie strap from amplifier panel support plates. 7. Carefully ease off the connector strip from the top print panel and then withdraw the panel from the support plate guides in a direction parallel to the main deck plate. 8. Unsolder link wires on lower print panel as detailed above and withdraw in similar fashion. It is important that the rotors of the equalisation switch wafers are not moved or alignment difficulty will appear on reassembly. Also preserve and replace any insulating material fitted to prevent frame of T1 contacting support plate.

**Lubrication:** All main bearings are of the oil retaining type and rarely need lubricating. If it does become necessary a SPOT of oil can be applied to bearings of motor, capstan, pressure roller, intermediate drive wheel, reel hubs and drive belt pulley bearings. Use only a fine grade oil and at all costs avoid excessive use of the oil can. Any surplus oil should be removed with a clean rag. As a general rule, do not oil unless really necessary.



(W11) COMPONENT LAY-OUT—POWER AND O/P STAGES—MODEL STR1



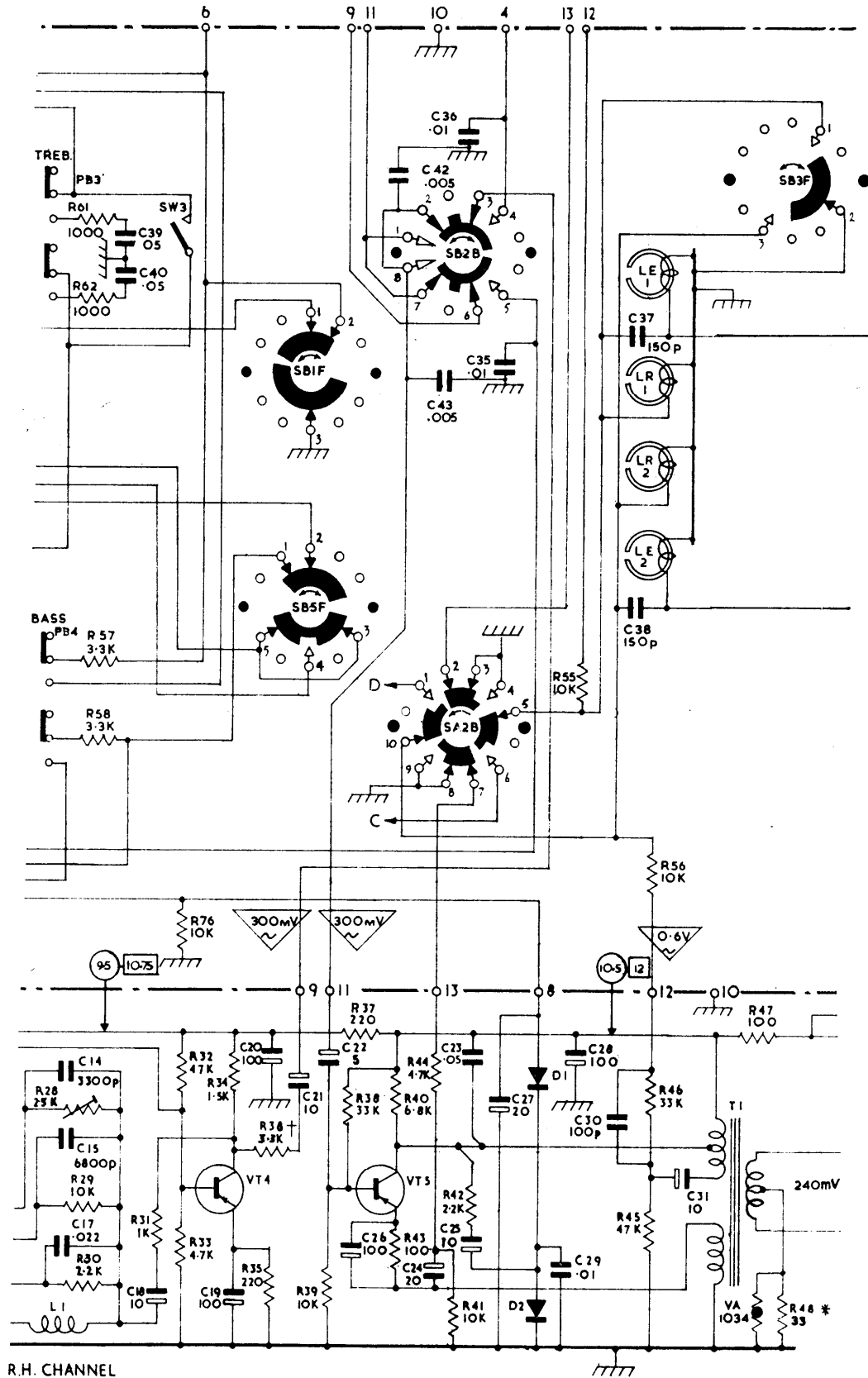
W7a

PRE-AMP PRINTED BOARD TRA1

(W7a) CIRCUIT DIAGRAM—MODEL STR1 (PART)

(W7b) (Below) CIRCUIT DIAGRAM—MODEL STR<sub>I</sub> (PART)

(W7c) (Right) CIRCUIT DIAGRAM—MODEL STR<sub>I</sub> (CONTINUED)



W7b

# DYNATRON

