

12-2. Tape Pass Adjustment

(A) Tape Guide (left) Adjustment

Adjusting Parts:

(1) Thread a tape. See Fig. 12-1

(2) Align the upper edge of the erase head core by turning the tape guide located on the left side of the erase head.

(3) Turn the tape guide located on the left side of the erase head clockwise by approximately 35° from the position obtained in the preceding procedures, so that the upper edge of the tape is approximately 0.05 mm lower than that of the erase head core.

Procedures:

- (1) Turn the azimuth adjusting screws and the angle adjusting screws so that the record head and the playback head are positioned nearly as shown in Fig. 12-5.
- (2) Turn the p.b. head height adjusting screw so that the upper edge of the p.b. head is 0.025 mm lower than that of the tape and memorize the angle of turns.
- (3) Turn the p.b. head zenith adjusting screw by the same angle of turns to the same direction of the p.b. head height adjusting screw.

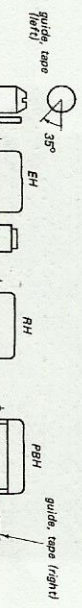


Fig. 12-5 Tape guide (left) adjustment

(B) Tentative Record and P.B. Heads Adjustments

Adjusting Parts: (See Fig. 12-1.)

• P.B. Head

- ① azimuth adjusting screw
- ② angle adjusting screws
- ③ height adjusting screw
- ④ zenith adjusting screw
- ⑤ azimuth adjusting screw

• Record Head

- ① azimuth adjusting screw
- ② height adjusting screw
- ③ zenith adjusting screw

(The p.b. head and the record head adjustments should be made in numerical order.)

- (4) Turn the record head height adjusting screw so that the upper edge of the record head is 0.025 mm lower than that of the tape and memorize the angle of turns.
- (5) Turn the record head zenith adjusting screw by the same angle of turns to the same direction of the record head height adjusting screw.
- (6) Set the machine at 19 cm/s (7½ ips) tape speed.
- (7) Make the tape loose a little by pushing the tension regulator arm pin in the direction shown with arrow in Fig. 12-6 and then adjust the p.b. head and the record head zenith adjusting screws to obtain the reflection of light as shown in Fig. 12-6.

12-1. Power Voltage Adjustment

Connection:

As shown in Fig. 12-3.

Adjusting Parts:

R309 100 kΩ (B) See Fig. 12-4.

Procedures:

- (1) Be sure that the correct power voltage is supplied.
- (2) Place the machine in STOP mode.
- (3) Adjust R309 to obtain 25 ~ 26V on the VTVM.

Be careful not to short-circuit the g⁺ circuit to ground, or the transistor Q304 will be broken.

CAUTION

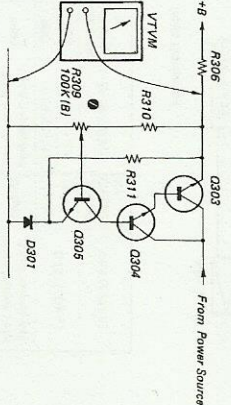


Fig. 12-3 Power voltage adjustment

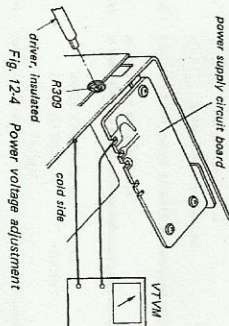


Fig. 12-4 Power voltage adjustment

Fig. 12-2 Adjusting parts location (2)

