

1-3-5. Reel Table Height Adjustment

Reel height adjustment is required only if a reel motor has been replaced or if tape rubs excessively against the reel flanges.

Adjustment is accomplished by loosening the reel set screws and moving the reel table on the motor shaft as shown in Fig. 1-3-5.

Remove the top panel of the unit for access to the set screws (2) in the reel motor shaft. Reel table should be adjusted using standard NAB 7" reels. With a tape loaded on the machine, position the reel table height for smooth tape travel. Be sure to tighten the set screws after adjustment is made.

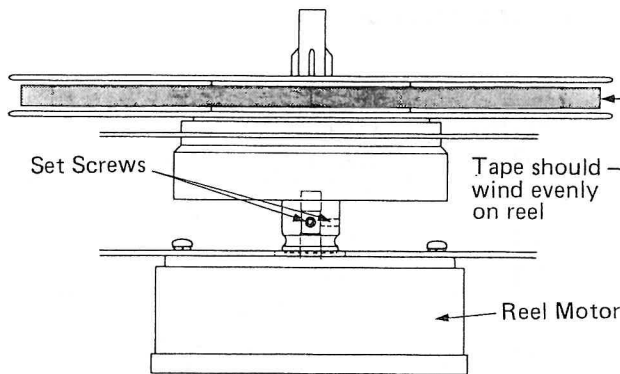


Fig. 1-3-5

1-3-6. Head Alignment

There is no need for head height and tilt adjustments because the record/reproduce head of the 388 is a semi-fixed type (erase head fully-fixed).

Head Mounting (Record/Reproduce Head)

1. Refer to Fig. 1-3-6.
2. Mount head to head base using mounting screw and mount tangency adjustment screw.
3. Mount azimuth adjustment screws.

Head Azimuth Adjustment

1. Connect the TAPE OUT jack for TRK 2 of the deck to the vertical input terminals of an oscilloscope.
2. Connect the TAPE OUT jack for TRK 7 of the deck to the horizontal input terminals of the oscilloscope.
3. Connect an AF level meter to the TAPE OUT jack(s).
4. Load the reproduce alignment test tape (YTT-1003/400 Hz) to reproduce.

5. Slightly loosen the mounting screws which hold record/reproduce head in place and adjust the tangency using adjustment screw, for maximum output. When the maximum output is attained, retighten both mounting screws.
6. Reproduce the 10-kHz signal on the test tape. A picture showing phase relations between both channels will be obtained on the oscilloscope as shown in Fig. 1-3-7.
7. Adjust the repro head azimuth screw until the scope display shows less than 90 degree out of phase at 10 kHz with the AF level meter showing approximately maximum value for both channels.

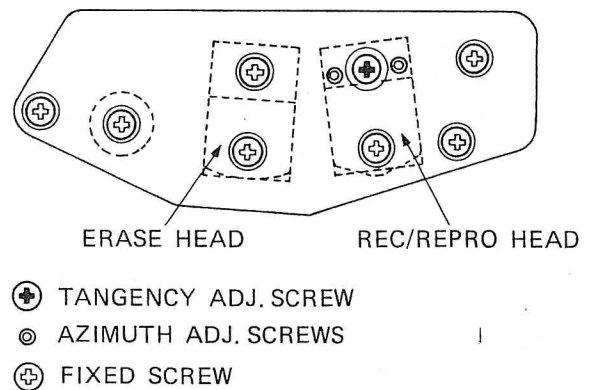


Fig. 1-3-6

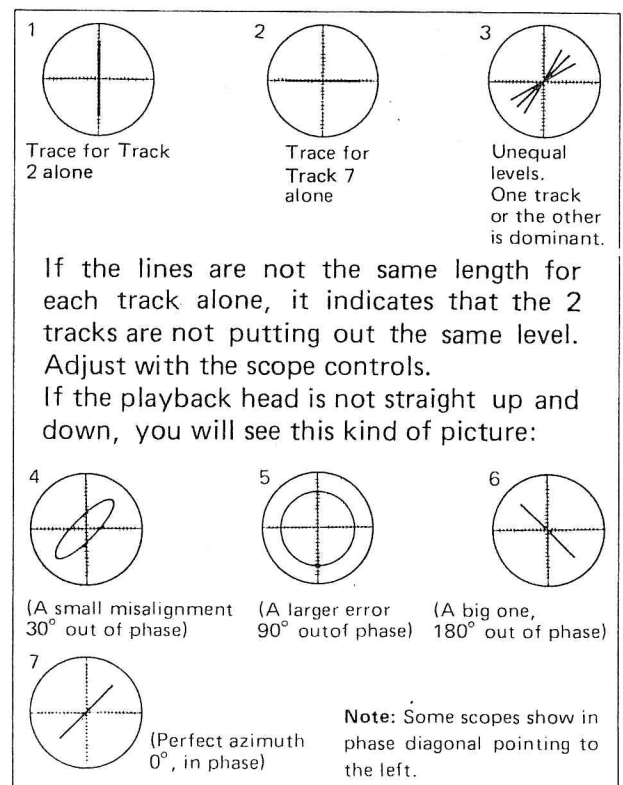


Fig. 1-3-7