

## 5.2 HEADS

The height and azimuth of the record head and playback head can be adjusted by means of the screws on the head bracket, see Figure 5.6.

## 5.3 PLAYBACK HEAD

Use an open cassette. Adjust the height of the playback head so that the tape guides do not rub on the tape when the head bridge is pulled into the playback position. Adjust the height by means of the screws shown in Figure 5.6. Tighten the tape by rotating one of the reel spindles. Push the head bridge carefully into the playback position. The tape must lie parallel with the head face. The positions of the height adjusting screws give a good indication of whether or not the head face is parallel with the tape. The screws should be screwed down to the same height.

Insert a Tandberg test tape No. 23 or a standard azimuth cassette. Adjust the screw marked Playback, azimuth in Figure 5.6 to obtain max. output measured on a VVM connected to the OUTPUT or RADIO socket.

If you use a Tandberg tape path gauge, part B of the gauge will fit into the tape guides on the playback head when the head is at the correct height. The pointed end of B must be parallel with the head face.

## 5.4 RECORD HEAD

### Adjusting the parallelism

Insert an open cassette make sure that the tape lies parallel with the head face. The positions of the height adjusting screws give a good indication of whether or not the head face is parallel with the tape.

### Adjusting the height

Insert a new cassette. Set the machine in the RECORD mode. Record 1000 Hz from an audio sig. gen. at normal recording level. Press the TAPE/SOURCE button down to TAPE and adjust the height of the record head by means of the screws shown in Figure 5.6 to obtain max. output on a VVM connected to the OUTPUT or RADIO socket. When you obtain max. output for record/playback the tracks across the heads will be at the same height. Adjust the height adjustment screws by equal amounts so that the parallelism does not change.

### Adjusting the azimuth

Record 10 kHz and press the MONITOR button in to TAPE as you record. Adjust the Record, azimuth screw to obtain max. deflection on a VVM connected to one of the outputs on the TCD 330. You can also adjust the azimuth with the built in oscillator.

If you use a head gauge, adjust the height as described, but use the head gauge to check the parallelism. The point on part B on the head gauge must be parallel with the head face. Adjust the azimuth as described.

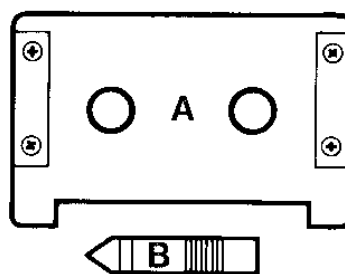


Fig. 5.5 Tape path gauge

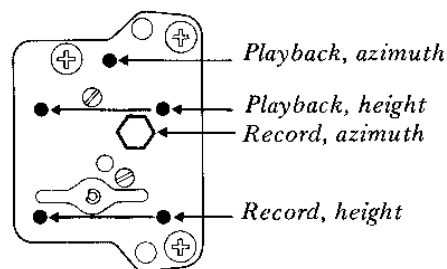


Fig. 5.6 Adjustments for the heads

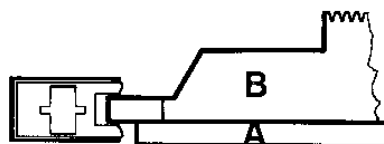


Fig. 5.7 Using the tape path gauge