Alignment Procedure for Otari MX-5050 B-II

Set SRL switch to SRL position.

PLAYBACK

1. Set the Reference Flux, and EQ to suit the test tape

2. AZIMUTH
    a. Adjust for 0º ø on oscilloscope (A4 screw)

3. REPRO LEVEL
    a. Play 0VU @ 1kHz and adjust VR106/VR206 for 0VU

4. REPRO EQ
    a. Play *f* sweep and adjust VR102/VR202 for a flat response (15 ips)
    b. Play *f* sweep and adjust VR103/VR203 for a flat response (71/2 ips)

RECORD

1. AZIMUTH
    a. Adjust for 0º ø on oscilloscope (A3 screw)

2. RECORD METER LEVEL
    a. Set the input level controls to maximum
    b. Record 1kHz from a -15dBm source
    c. Adjust the Record Level trimpot for 0VU
    d. Switch to monitor Source
    e. Adjust VR108/208 for 0VU

3. RECORD LEVEL
    a. Set the Record flux level switch to M (250nW)
    b. Monitor ‘Source’ and set the level to 0VU
    c. Monitor ‘Tape’ and start recording
    d. Adjust the Record Level trimpot for 0VU

4. RECORD BIAS
    a. Record 1kHz tone @ 0VU
    b. Adjust the Record Bias trimpot for +3VU

5. RECORD EQ
    a. For 15 ips, record 10kHz @ 0VU
    b. Adjust the Record EQ (High) trimpot for 0VU
    c. For 71/2" ips, record 10kHz @ -10VU
    d. Adjust the Record EQ (Low) trimpot for 0VU

6. PEAK LIGHT CALIBRATION
    a. Set the record switch to L
    b. Connect a signal of 0dBm
    c. Set the monitor switch to Source
    d. Adjust the line input controls for 0VU
    e. Increase the source level to +9dBm
    f. Adjust VR701/VR801 (VU meter amp PCB) so that the peak LED comes on.