

1. Epoxy head to bracket.
2. Epoxy head to original plate.
3. Use two playback heads.
4. Ground one side of erase head, connect other side to one erase lead, float other lead.
5. Change erase coupling capacitors C45 and C46 to .02 mfd.
6. Mounting not available.
7. Erase head replacement requires circuit modification.
8. Requires L-5 Bracket.
9. Readjust bias and record currents.
10. Use original head mounting plate.
11. Erase head is Full Track type.
12. Two-track stereo play head.
13. Mount head and OK inside Original Head Cup.
14. AG-300/350 require erase circuit modification with 9127 FT head. Short 4L2 coil, and add shunt .01-mfd. across 4C37.
15. To adjust new erase head voltage or current to spec. value, raise or lower size of the erase coupling capacitor.
16. New spacer blocks required when replacing LIPPS heads. Order one QK-89 for record head, one QK-89 for erase head, and one QK-90 for play head.
17. Add 1-mH 150 mA min. r.f. choke in series with each coil of erase head and adjust for spec. voltage or current at head. (Per Form 7307 instructions.)
18. Machines with 6V6 Bias Oscillator use for Record Head the same as the Play Head. Listing is correct as is for 6SN7 Oscillator.
19. Erase head for Older Models with Side-Mount Erase Head should be #2201 plus QK-18.
20. For AG-300/350 with single-screw-mount erase head, order also one set of SP-76 Spacer Plates for insertion between QK-76 and cup. See Form 7349 instructions.
21. AG-600, AG-600B, AG-500, AL-500, with 9227 erase head, add 1500-pf. 5% across C28 erase coupling capacitor located on S4. See Form 7355 instructions.
22. AG-600, AG-600B, AG-500, and AL-500, with 8640 erase head, replace C28 (located on S4) with 910-pf. 5% cap., per Form 7355 instructions.
23. Head shown in "RP" column may be used for playback in fourth head position.
24. Connect .001-mfd. capacitors across record head coils, if necessary, to increase adjustment range of bias potentiometers.
25. Serial No.'s below 96-280.
26. Serial No.'s above 96-280.
27. Special 4-head nests require QK-87 mounts in place of QK-76. Fourth head model shown in RP column.
30. Full-track erase head shown. For selective 4-channel erase, use instead two 8640 stereo 4-track erase heads with two QK-87 mounts.
31. AMPEX 3200 duplicator for cassette tape requires new tape guides. W-size cassette slave heads need shims to fit QK-76 mount.
32. AMPEX 952, 954, 960, 4-track stereo recorder with dual-coil bias oscillator secondary. Requires replacement of original bias oscillator transformer with new Nortronics T60-F when replacing erase head, because original transformer has poor voltage regulation. (See Drawing No. 725B001 (with QK-86) for instructions.)
33. Use bracket from original head to mount new head.
34. A77, mount new head on head plate, drilling new mounting hole, if necessary, for correct position. Cut slot in bottom of head shield-can, from mounting hole to rear edge, to permit it to be slid over head.
35. 36 series, mount new head inside shield-can, from top of can. Bend cable sharply, near pins, to clear inside of can.
36. The QK-91 SCULLY mount is re-usable and needs to be installed only once. Check present head mount; if it has a set screw holding head in its bracket, then the QK-91 is not needed. To help remove old head, heat bracket with soldering iron to soften epoxy cement.
37. AMPEX 602 series needs QK-86 on later models with oval brass head plate held with slot-head screws. Earlier machines may have threaded studs on brass head plate held by lock-nuts, these require QK-92 instead of QK-86.
38. 100 Series SCULLY machines have dual-head nest with one RP and one erase head. Order complete RPE assembly, or separate RP or Erase heads as needed.
39. Fixed-head SCULLY 270-44 machines with electronics switching can use the 5603 4-channel play heads.
40. QK-88 mount needed only when replacing the one-piece cylindrical heads.
41. Add 2.5-mH r.f. choke in series with each channel of 8640 erase head to limit head voltage to 25-30v. rms at 100 kHz.
42. Conversion of RT-701 to 2-track or Full-track heads requires one QK-701 (T70-T22) booster erase oscillator in addition to heads and mounts. (See Form 7395 instructions.)
43. Add 0.5-mH 150 mA min. r.f. choke in series with each coil of erase head to give correct impedance match. Verify correct head voltage and current.
44. Order Form #7394 from RCD Division of Nortronics; describes how to mount heads on MUZAK tape players.

ABBREVIATIONS USED IN THIS CATALOG

FT	Full Track, 1/4-inch	R MAS	Reel Master
2TM	Two-Track Mono	CAS MAS	Cassette Master
2M	Two-Track Mono	C-C	Cassette-to-Cassette Duplicator
2T	Two-Track, Two Channel	CAS SL	Cassette Slave
2TS	Two-Track Stereo	R SL	Reel Slave
2S	Two-Track Stereo	1/4" R-C	1/4-inch Reel-to-Cassette Duplicator
4TS	Four-Track Stereo, 1/4-inch	1/4" R/C-C	1/4-inch Reel and Cassette Master to Cassette Slave
4CH 1/2"	Four-Channels on 1/2-inch Tape	CAS R-R	Cassette 150-mil Reel-to-Reel
4CH 1/4"	Four-Channels on 1/4-inch Tape	4TS CAS	4-Track Stereo Cassette
8TS	8-Track Stereo, 1/4-inch Tape	2TM CAS	2-Track Mono Cassette (Single-Ch. Head)
8TO	8-Track Quadraphonic (4-Ch.)	4CH 4T	Four Channels of 4-Track System on 1/4-inch Tape
8T 1/4"	8-Channels on 1/4-inch Tape	2CH 4T	Two Channels of 4-Track System, similar to 4-Track Stereo
8CH 1"	Eight Channels on 1-inch Tape	C SL	Cassette Slave
12CH 1"	Twelve Channels on 1-inch Tape	C MAS	Cassette Master
16CH 2"	Sixteen Channels on 2-inch Tape	CR SL	Cassette Reel Slave
24CH 2"	24-Channels on 2-inch Tape	S CAS	Stereo Cassette (4-Track)
4CH CAS	Four Channels on Cassette Tape (4-Ch. Head)	S NAB	Stereo, NAB, Broadcast, 2 Program plus 1 Cue (3-Ch.)
4T CAS	Four Channels on Cassette Tape (4-Ch. Head)	M NAB	Mono, Broadcast, 1 Program plus 1 Cue (2-Ch.)
2T CAS	Two Channels of Mono on Cassette Tape (2-Ch. Head)		
1/4" R-R	1/4-inch Reel-to-Reel. (Duplicator)		