

REFERENCE NOTES

NOTES:

1. Epoxy Head to Bracket
2. Epoxy Bracket to Original Plate
3. Modify Original Bracket and Epoxy Head
4. Modify Circuit for Correct Erase Bias Voltage
5. Use Two Playback Heads
6. Add Amplifier for Stereo
7. Add Capacitor in Series to Obtain 60V Across Erase Head
8. Do Not Use Erase Section of Kit
9. Shorten QK-66 Bracket
10. If Replacing M/M Head, Use #1801 Instead of #1800
11. Adjust Bias Current to Spec. 65 MA at 31 V RMS
12. Adjust Bias Current to Spec. 21 MA at 24V RMS
13. Mount QK to Base Plate
14. Add .022 MFD Capacitor in Series with Erase Head
15. Ground One Side Erase Head
16. Change Erase Coupling Capacitors C45 and C46 to .02 MFD
17. No Mount Available
18. Erase Requires Modification
19. Refer to Form 7215
20. Adjust Bias Current to .42 MA @ 22V RM at 72 kHz
21. Side Mount Optional — QK-38
22. Base Mount Optional - QK-35
23. Requires L-5 Bracket
24. Add 100 MF Capacitor in Series
25. Readjust Bias and Record Current
26. Observe Erase Head Polarity
27. Reverse Polarity if Head Does Not Erase
28. Modify QK-21
29. Mount QK Upside Down in Original Shield
30. Do Not Use Bias Winding of Original Head
31. Adjust Head Bias for 20V
32. Add .001 5 MFD Capacitor in Series with Hot Side of Erase Head
33. Change Bias Capacitor CC20 and CC21 to 100PF
34. Write for Mounting Instructions
35. Insert 570 PF Capacitor in Series with Erase Head
36. Drill New Mounting Holes for Head
37. Mount R/P Upside Down
38. Adjust Record Head for Peak Bias
39. Use Original Mount
40. Enlarge Mounting Hole or Slot
41. Break Off Side Tabs Now in Machine
42. Use Original Base Mounting Plate
43. For Erase, Change Coupling Cup to .1 MFD. Remove 4.7 R in Parallel
44. Drawing for Special Mount Available
45. For 1/8" Tape
46. Need TG-7 for R/P
47. Need TG-8 for Erase
48. Solder Tape Guide to MFT Bracket
49. Increase Bias Capacitor from 90 PF to 150 PF
50. Add 100 PF Bias Capacitor Across 47 PF C54 & C55
51. Install One Head Track Up, Other Track Down. Retap Cup to 7-28 STD
52. RPE-20 Replaces Nortronics, RPE 23 replaces Shure
53. Some Models Use 2 Record Heads
54. Shim Bottom of Head to Push Head to Top of Case
55. Mount R/P Head inside Original Head Case
56. Adjust Bias Voltage to 22V, Record Current to 33 MA
57. Add 5 MHY Choke Across Secondary of Oscillator Coil
58. Enlarge Center Hole in Original Plate to Fasten QK. Use Shims to Adjust to Correct Height.
59. Adjust Bias Current
60. Adjust Bias to 50V, Across 2601 Head. Change Capacitor C133 to 470 PFD
61. Mount QK-18 for Right Head Support
62. Erase Full Track
63. Requires Circuit Modification
64. Call or write JRF for info
65. Adjust Erase Voltage
66. Use L-7 with Erase
67. Use QK-38 with R/P
68. Use L-6 with Playback
69. 2-TR Mono Erase
70. 4-TR Stereo Play
71. 2-TR Stereo Play
72. Adjust Record Current to 33 MA, Bias Voltage 22V
73. Play Head Mounts in Outer Case
74. Adjust Bias Capacitor to Obtain 15V
75. Cement to Mount with 1/64" Shim
76. Adjust Bias Voltage to 25V
77. Permanent Magnet Erase
78. Change Series Capacitor to 470 MFD
79. Change Series Resistor to 560 Ohms
80. Stereo Heads Used in Mono Machine
81. Mount Head + QK Inside Original Head Cup
82. Cassette
83. Cement with 1/32 Shim
84. No Replacement if Original Head has Four Leads
85. Install QK 38 Backwards for Clearance
86. Discard Original Head Shield. Cut Off Rear of Mount for Pin Clearance. Cement New Head to Mount
87. Cement with 3/64" Shim
88. 50 Million-Series Serial Numbered Units
89. 70 Million-Series Serial Numbered Units
90. Circuit Modification may be required when Erase Head is Changed.
91. Use 2 Heads Per Unit
92. On Units Equipped with 4 Heads Use QK-87 Instead of QK 76
93. For Alferol Metal use #8215 (Record) and #821 1 (Playback)
94. See Section C.
95. Alferol Available
96. Additional Modification
97. Stack Nuts on Mounting Block Must be Removed Before Mounting
98. Carbide Guides and Front Shield May be Required on Older Models
99. Cement with 1/16" Shim
100. Consult Manufacturer for Lipps Head Replacements on Older Models
101. Older Models use 4 MHY Record Head #9461
102. Older Models Use 4 MHY Record Head #9881
103. Older Models use 4 MHY Record Head #9992
104. Both Record & Erase Head Must be Replaced
105. Remove 1/32" from Mounting Post
106. Remove 3/64" from Mounting Post
107. Remove 1/64" from Mounting Post
108. Add 1/64" Shims to Erase Head Mounting
109. Add 1 MHY Choke in Series with Each Coil of Erase Head
110. Machines with 6V6 Bias Oscillator Use for Record Head Same Model as Play Head. Listing Correct as is for 6SN7 Oscillator
111. Erase Head for Older Models with Side-Mount Erase Head Should be #2201 with QK-18
112. Use 8 mfd. Capacitor in Series if Original Head is of French Manufacture
113. See Form 7354 (included) for instructions
114. Re-drill Side Mounting Holes 1/8" Diameter
115. Cut Off Ear Ends on QK 38 at Bend

ABBREVIATIONS IN THIS GUIDE

2, 3, 4, or 8	Number of tracks or channels
M	Mono
S	Stereo
C	Channel
FT	Full Track
R	Record
P	Playback
E	Erase
RP	Record-Playback
RPE	Record-Playback-Erase
NSI	Not Sufficient Information
NONE	No Replacement