

FE-788

FEDERAL COMMUNICATIONS COMMISSION
Field Engineering Bureau
Washington, D. C. 20555

FILE 1220

FILE →
Project XT-18
May 17, 1967

TO ENGINEERS IN CHARGE (FOD)

Project Title: New Code Keyers for Examination Use

Subject: Improvements to Atko Mini-Keyer Case Latch

The Engineer in Charge, Buffalo has furnished information which describes the methods he has utilized to improve the latch and certain mounting screws for this instrument. His report is as follows:

"We experienced difficulty with the cases of both of the ATKO MINI-KEYER units at this office in that they easily popped open, especially when placed with the carrying handle up. We have corrected the problem with two minor modifications. The cases now stay closed under normal handling.

"The first modification was to reshape the case latching catch hook with a fine tool-maker's file. It was noted that the original latching surface of the catch hook was tapered so that the catch would easily slide open. By reshaping the hook as shown in the sketch below, the latch holds securely.

"The second modification was to replace the two screws holding the power cord storage bracket. We found that a twisting motion on the case cover causing the case to pop open was the result of the protruding heads on the screws used to hold the power cord bracket on the case end. We replaced the binder head screws with 1/4" x 6-32 FLAT HEAD machine screws. We countersunk the screw heads into the case by drilling the case with a 5/16" drill. The screw heads are flush with the case surface.

"This office has a supply of finished 1/4" x 6-32 flat head screws and can send them to any office requesting them."

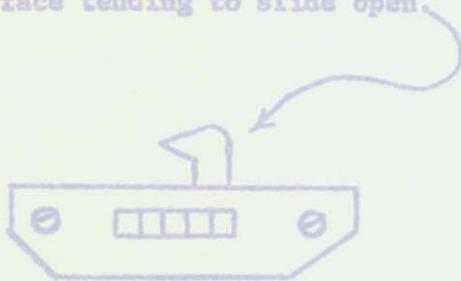
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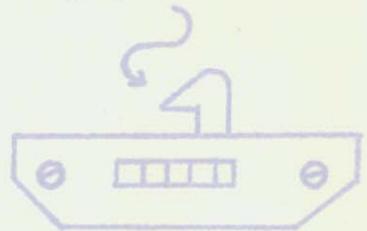
MAY 22 1967

PORTLAND, OREGON

Original shape of latching hook
surface tending to slide open.



Modified shape of hook
latching surface holds without
sliding open.



J. Patrick Scanlon
J. Patrick Scanlon
Chief, Field Offices Division