

IMMEDIATE ACTION

SERVICE



BULLETIN

NUMBER 28

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SUBJECT: Electrical Wiring

MODELS AFFECTED: J4 Cubs, Serial Nos. 4-400 to 4-769 incl.

We are issuing this bulletin at the request of the Civil Aeronautics Authority to advise you that there are certain features in the electrical wiring system in your airplane which the Authority feels should be corrected. These points are:

1. A master fuse of 10 amperes capacity should be installed in the circuit at the battery. A fuse holder can be secured at an Auto Accessory store. This fuse should be mounted on top or on the side of the battery box.
2. The type of insulation used on the cable is not considered adequate. To correct this condition we would suggest that the wiring in the cockpit and fuselage be replaced with cable of the following specification. Double conductor 18 gauge 19/22 tinned copper -- two varnished cambric tapes, glazed cotton braid lacquered. It would also be desirable to replace the wing cables at the time of recovering the wings.
3. The attachment of the wires to the light switch should be checked to see that there are no broken strands. In order to make a better connection, the ends of the cable should be twisted and dipped in solder to form a more solid end for the set screw to clamp on. In order to distribute the stresses in the wire attachment, friction tape should be wound tightly over the light switch terminal and the insulation of the wire.

These points should be attended to at the earliest opportunity and an appropriate entry should be made in the airplane log book.

PIPER AIRCRAFT CORPORATION, LOCK HAVEN, PA., U. S. A.