

# SERVICE



# LETTER

June 15, 1942

Service Letter No. 32

**SUBJECT:** Aileron Cable Pulley Installation

**TO:** All J3 Series Owners (Serial Nos. 1999 to and including 8277)

As it has been necessary to replace the lower aileron cable on the J3 airplanes at rather frequent intervals, due to wear at the fairleads in the fuselage, we have recently replaced these fairleads with pulleys.

The Civil Aeronautics Administration has suggested that this design be made available to the owners of J3 airplanes manufactured previous to the above revision.

As such a change is quite extensive, it has been suggested that it may be done at the time of a major overhaul.

A Kit of the necessary parts and drawings, Part No. 750 253, may be secured through your local Piper Distributor or Dealer.

**GENERAL PROCEDURE:**

1. After removing the wings, struts, floorboards, torque tube and adjacent fabric, remove the two fairlead housings from the fuselage cross tube at the landing gear rear fittings.
2. Remove the large fairlead housing at the lower end of the front lift strut.
3. Remove the small fairlead housings on each strut immediately above this point and replace with the large fairlead housings noted in Item 2 above.
4. Set up new pulley brackets above the longeron at the landing gear rear fitting as near as possible to the drawings. It may be necessary to grind the lower ends of these pulley brackets to fit variations in the fuselage member locations.
5. It may be well to check the position of the cable in relation to the pulley, fuselage members and lift struts, after tacking the brackets in place. This may be done by a setup of the torque tube, wings and lift struts and necessary pulleys and fairleads, with a cord representing the aileron cable.

This change must be covered by a Repair and Alteration Form 337.

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