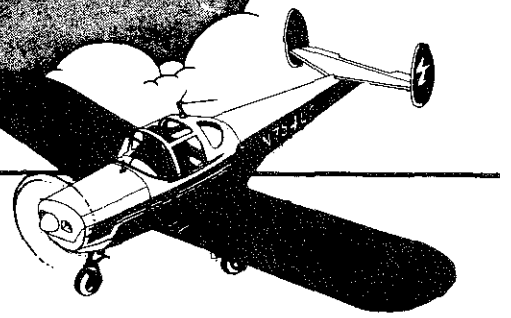


SERVICE BULLETIN

Forney

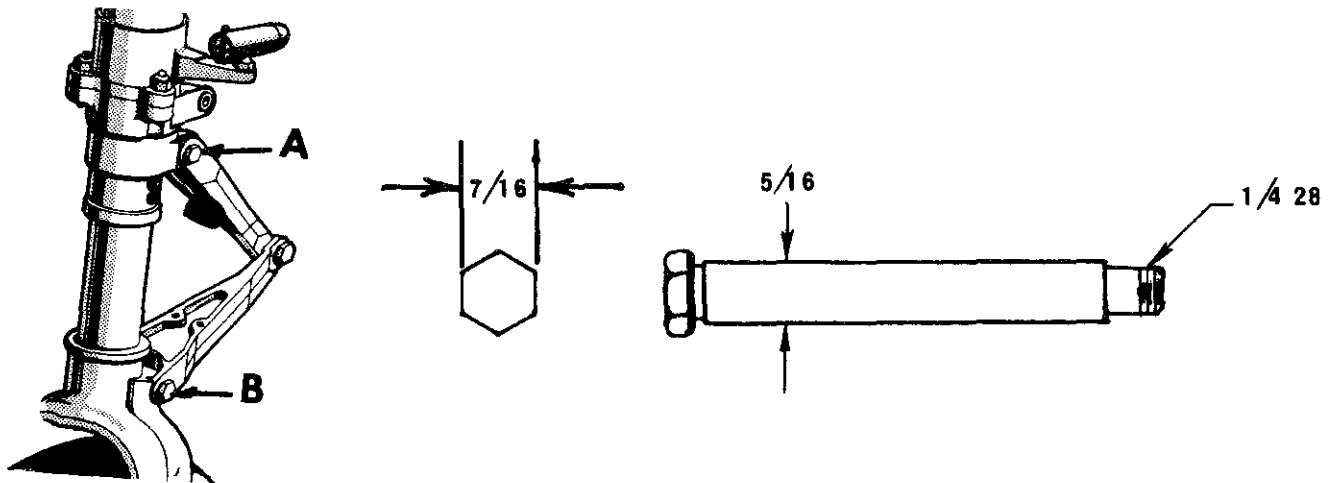


No. **103**

Date June 1, 1959

F.A.A. APPROVED

Subject: Scissors Attaching Bolts Number 415-34330



WHERE USED

These bolts are used to attach the upper and lower scissor to the nose gear at points "A" and "B" (refer to above sketch) on all airplanes Serial Number 4425 and up. These airplanes were equipped with the Electrol type gear and the scissors are aluminum alloy forgings.

PROBLEM

These bolts are made of case hardened, SAE 1113 steel, and a few of them purchased from an outside source have been found to be too brittle.

FACTORY ACTION

To completely eliminate the possibility of a service failure, we have equipped all airplanes Serial Number 5679 and up with standard, nickel steel AN 5-26 bolts, AN 960 washers (two per bolt), and AN 310-5 nuts. These replacement bolts have also been furnished on a no charge basis to owners of all Model F-1 airplanes (Serial Number 5600 to 5678, inc.).

RECOMMENDED ERCOUPE OWNER ACTION

If you own an airplane equipped with an Electrol Gear using these bolts, you are strongly urged to replace the bolts with standard AN 5-26 bolts. Airplanes 183 to 4424, inc., were originally equipped with the old "Steel" Nose Gear with fabricated steel scissors. These steel scissors were attached with AN 4 bolts or AN 24 clevis bolts and are considered satisfactory. These older airplanes should be checked, however, to ascertain whether or not they are presently equipped with an Electrol Gear with forged aluminum scissors. If equipped with an Electrol Gear, the bolts should be changed.

When installing these AN 5-26 bolts, use two AN 960-516 washers and an AN 310-5 nut on each bolt. The nut should be drawn up snug but do not over-tighten, as this would cause binding.

FORNEY MANUFACTURING COMPANY, Aviation Division, Fort Collins, Colorado