

SUBJECT: Installation of Larger Bearing on Outboard Flap Hinge

MODELS AFFECTED: M20D, Serials 1, 101 thru 200. Fixed gear version only, does not apply to retractable models

TIME OF COMPLIANCE: At Next 100 Hour Inspection

INTRODUCTION

The wing flaps on the fixed gear M20D are subject to turbulence from the main gear. To preclude service problems with the outboard flap hinge bearing, the installation of a larger bearing is recommended as described below.

INSTRUCTIONS

1. Remove both flaps from the airplane by detaching the actuating links and removing the hinge bolts. Remove outboard Heim bearings by loosening the jam nut and screwing bearing out.
2. Drill the existing 1/4" tapped holes on the outboard (only) blocks to .2674, +.0065 -.0000 as shown in Figure 1. Tap holes 5/16-24NF3. Use caution to insure that the larger holes are centered on the block as closely as possible.
3. Install 5/16 Heim bearings supplied with this service letter. Do not tighten jam nuts until flap is installed.
4. Install flap on wing (reverse of removal) and adjust new bearing to align with the bolt holes.
5. Install outboard hinge bolts and tighten jam nuts.

COMPLIANCE

A kit is available, free of charge, upon request of your Mooney dealer. After compliance with this Service Letter, please fill out the enclosed compliance card and return it to Mooney Aircraft.

VIEW LOOKING IN AT OUTBOARD FLAP HINGE BEARING

