



American General
Aircraft Corporation

SERVICE

SERVICE BULLETIN No. 179

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DATE: SEPTEMBER 25, 1992

SUBJECT: FLAP TORQUE TUBE BEARING ASSEMBLY

SERIALS AFFECTED: AG-5B99998, AG-5B10000 and subsequent
AA-5 0001 and subsequent
AA-5A 0001 and subsequent
AA-5B 0001 and subsequent

TIME OF COMPLIANCE: Within the next 50 hours of operation or at the next scheduled inspection, which ever occurs first.

GENERAL

It has been determined that some flap torque tube bearing brackets part number 5604006-503 were assembled with the bearing collar installed on the opposite side of the support bracket. When staking was accomplished, the effectiveness was compromised due to the stakes not seating in the bracket chamfer area provided, resulting in collar separation from the bracket. The results of the separation is excessive flap trailing edge free play which can creating a slight wing heavy condition in flight.

INSPECTION

To reduce the possibility of a sudden in flight wing heavy condition due to separation of the bearing collar from the bearing bracket on the inboard flap torque tube bearing bracket assembly, accomplish the following;

1. Fold rear seat bottom forward
2. Unsnap canvas cover and remove
3. Using a light, visually inspect the right and left flap bearing support brackets which are attached to the sides of the fuselage. The bearing collar should be installed on the inboard side of the support bracket. (FIGURE 1)

PROCEDURE

If the above inspection reveals that the bearing bracket assembly is incorrect or the collar is loose in the bracket, the bearing assembly must be replaced. Accomplish the following;

1. Remove the flap as outlined in the AA-5 Series Maintenance Manual section 27-5-1
2. Remove the two nuts and washers that secure the bearing bracket to the fuselage side panels and remove the bearing.
3. Install a new bearing assembly P/N 5604006-503 in reverse order. Insure that the new bearing is correctly assembled prior to installation.

NOTE

**REFER TO AMERICAN GENERAL AIRCRAFT CORPORATION SERVICE BULLETIN
No. 177 FOR CORRECT ALIGNMENT OF THE AILERON TORQUE TUBE INSIDE
THE FLAP TORQUE TUBE.**

4. Replace canvas cover and reinstall rear seat
5. Record compliance in aircraft logbook

PARTS AND LABOR CREDIT

Only those aircraft covered under new aircraft warranty are eligible for parts and labor credit.

Please fill in attached compliance card and return it to:

**American General Aircraft Corporation
P.O. Box 5757
Greenville, MS 38703**