



# SERVICE *No. 889* BULLETIN

Piper Aircraft Corporation  
Vero Beach, Florida, U.S.A.

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\* PIPER CONSIDERS \*  
\* COMPLIANCE MANDATORY \*  
\* \*\*\*\*\*

Date July 1, 1988 M

SUBJECT: Main Landing Gear Uplock Hook  
Bracket Inspection and Roller  
Modification

MODELS AFFECTED: SERIAL NUMBERS AFFECTED:

PA-31T1 Cheyenne IA 31T-8304001 through 31T-8304003  
31T-1104004 through 31T-1104017

COMPLIANCE TIME: At the next regularly scheduled maintenance event,  
but not to exceed the next one-hundred (100) hours of operation.

PURPOSE: It has been determined that the possibility exists  
for the longer main landing gear uplock hook, used on the above listed aircraft,  
to become misaligned with the uplock hook roller and lodge between the roller  
and adjacent drag link if the roller is improperly rigged.

If this condition occurs, inability to extend the affected landing gear may  
result.

This Service Bulletin announces the availability of a new spacer bushing which,  
when installed, will prevent the above described condition.

APPROVAL: The technical contents of this Service Bulletin  
have been approved by the F.A.A.

## INSTRUCTIONS:

1. Place aircraft on jacks.
2. On left and right main landing gear, remove nut, uplock roller, bushing and washers. See Sketch 'A', Figure 1 attached.
3. Discard bushing and one (1) washer at each main landing gear.
4. Install one washer, new bushing, uplock roller, one washer and nut at each main landing gear. See Sketch 'A', Figure 2.
5. Inspect the uplock hook assembly and related brackets for condition and rigging in accordance with the Cheyenne IA Service Manual.
6. Perform a gear function check.
7. Remove aircraft from jacks.
8. Make an appropriate logbook entry.

MATERIAL REQUIRED: Two (2) each Bushings, Piper Part Number 41413-79,  
per aircraft.

(Over)  
ATA: 3230

AVAILABILITY OF PARTS: Your Piper Cheyenne Field Service Facility.

EFFECTIVITY DATE: This Service Bulletin is effective upon receipt.

SUMMARY: Any applicable Factory Participation will remain in effect for a period of time not to exceed 180 days from the date of this Service Bulletin.

Please contact your Factory Authorized Piper Cheyenne Field Service Facility to make arrangements for compliance with this Service Bulletin, in accordance with the Compliance Time indicated, and to obtain information concerning any applicable Factory Participation.

NOTE: If you are no longer in possession of this aircraft, please forward this information to the present Owner/Operator and notify the Factory of address/ownership corrections. Changes should include aircraft model, serial number, current owner's name and address.

Corrections/Changes should be directed to:

Piper Aircraft Corporation  
Attn: Customer Services  
P.O. Box 1328  
Vero Beach, FL 32961-1328

SKETCH "A"

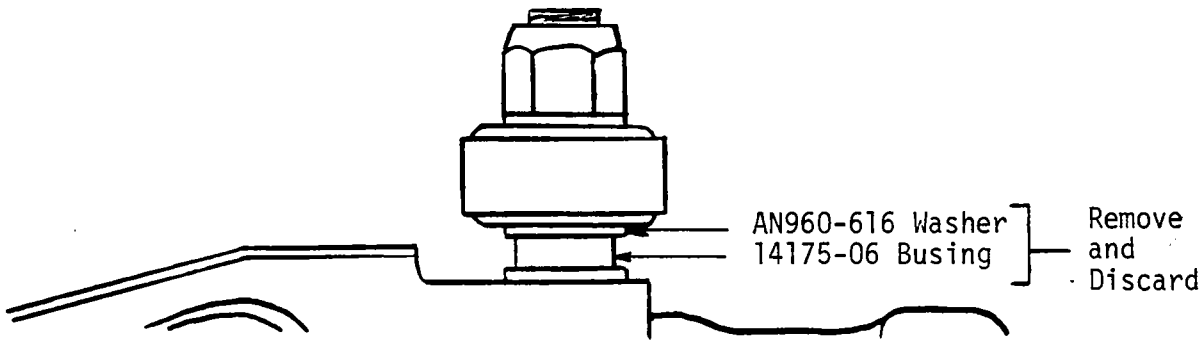


Figure 1

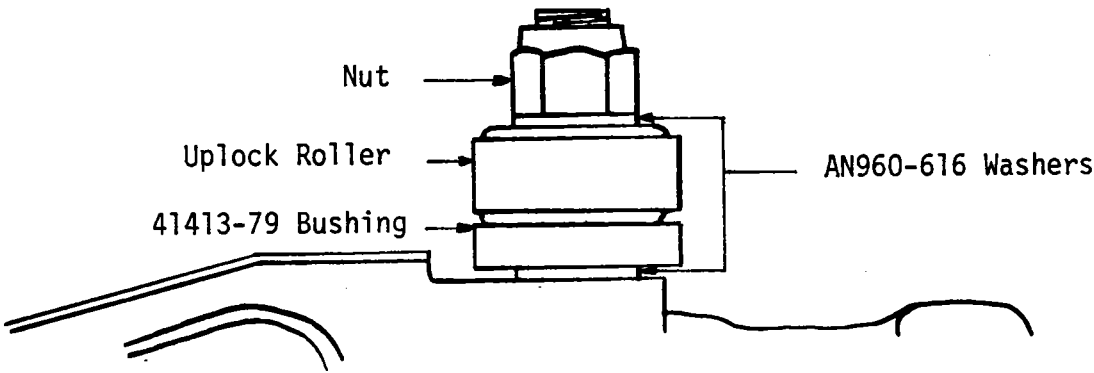


Figure 2