



SERVICE BULLETIN

No. 705

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

FAA DOA EA-1 Approved

June 30, 1981

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Subject: Main Landing Gear Door Actuator Fitting

Models Affected: Serial Numbers Affected:

PA-31T Cheyenne/Cheyenne II
PA-31T1 Cheyenne I
PA-31P Pressurized Navajo

31T-7400002 through 31T-8120041
31T-7804001 through 31T-8104044
31P-3 through 31P-7730012

Compliance Time: Within the next fifty (50) hours of operation,
or at the next scheduled event, whichever
occurs first.

Purpose:

Reports have been received of hydraulic line fittings on inboard main gear door cylinders being oriented in such a way that the hydraulic hose could contact the tire during gear operation. This condition could result in chafing of the line damage to the associated actuator fitting and could cause loss of hydraulic fluid.

This Service Release provides instructions for reorienting the fittings to prevent possible interference during gear operation.

Instructions:

Refer to attached Sketch/Instruction data.

Material Required: Not Applicable.

Availability of Parts: Not Applicable.

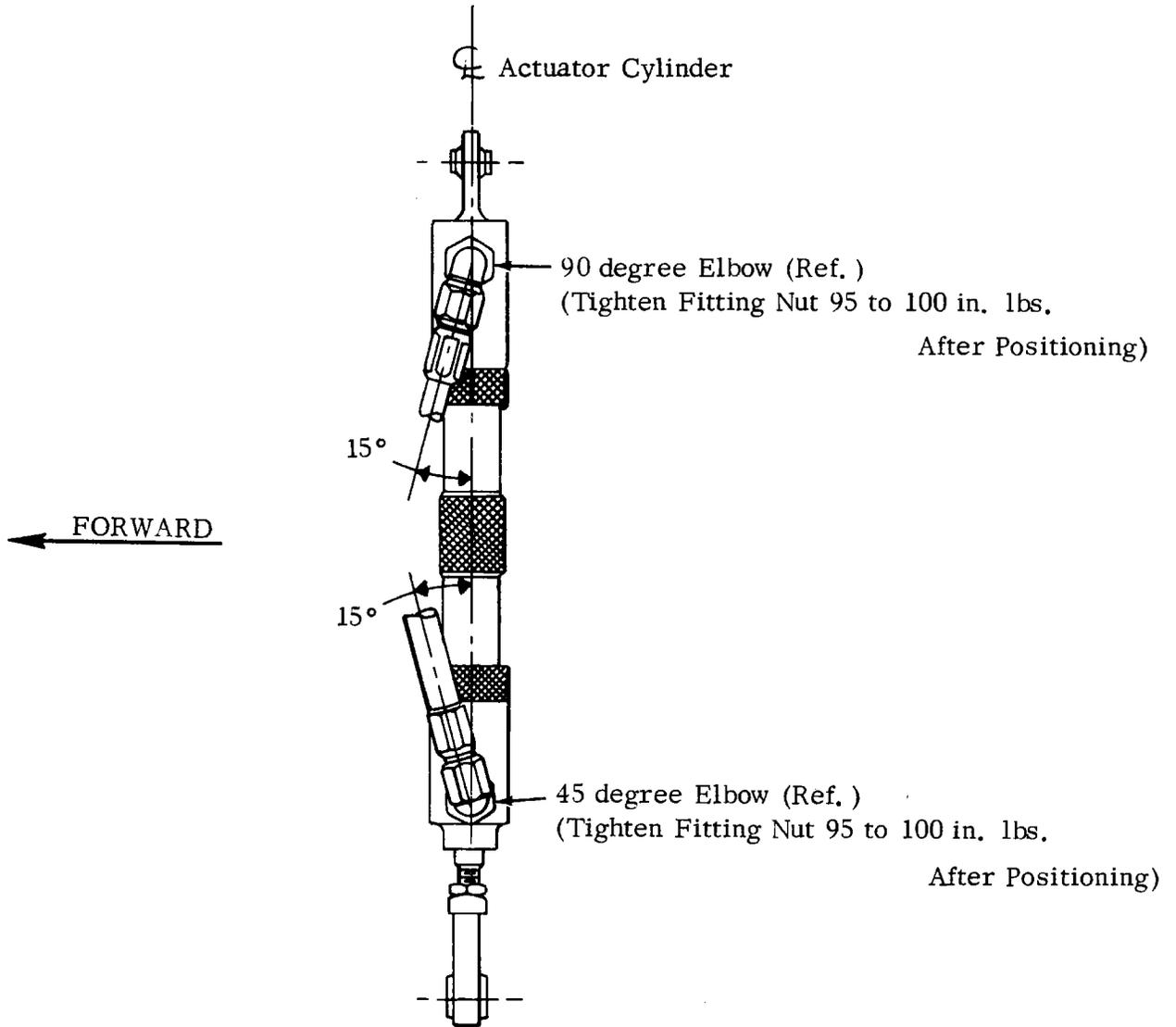
Effectivity Date: This Service Release is effective upon receipt.

Summary:

Please contact your Piper Field Service Facility to arrange for compliance with the provisions of this Service Release in accordance with Compliance Time, above.

(over)

VIEW LOOKING INBOARD AT LEFT MAIN GEAR DOOR ACTUATOR CYLINDER
(Right Side Opposite)



INSTRUCTIONS

1. Using the hydraulic hand pump, extend the inboard gear doors.
2. Inspect the hydraulic hoses for signs of external wear from contact with the tire. Replace if necessary.
3. Inspect the hydraulic fittings on both inboard gear door actuating cylinders. Assure their position is 15° forward to the actuating cylinder center line. (See Sketch.)
4. Make sure the fitting nut is torqued 95 to 100 in. lbs.
5. Perform a retraction test to assure the tire does not rub the hoses. (Rotate the tire to check for possible "High Spots" on the tread.)
6. Make appropriate logbook entry.