



# SERVICE No. 563 BULLETIN

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

"DOA SO-1 Approved"

May 13, 1977

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Subject: Nose Landing Gear Actuator Rod End Bearing Change

Models Affected: Serial Numbers Affected:

PA-28R-201 Cherokee Arrow III ..... 28R-7737002 to 28R-7737046 Inclusive, and 28R-7737048

PA-28R-201T Cherokee Turbo Arrow III ... 28R-7703005 to 28R-7703010 Inclusive, 28R-7703022, 28R-7703038 to 28R-7703090 Inclusive, and 28R-7703092

PA-32R-300 Cherokee Lance ..... 32R-7780255 to 32R-7780294 Inclusive, 32R-7780296 and 32R-7780298.

Compliance Time: Within the next 50 hours of operation or at the next regularly scheduled inspection, whichever occurs first.

Purpose: It has been brought to our attention that under certain hydraulic load conditions, the Nose Landing Gear Actuator Rod End Bearing may separate. If this happens, then the Nose Landing Gear extends, locks down and will not retract.

To eliminate the possibility of this condition, an improved, higher strength Rod End Bearing has been placed into production.

This Service Bulletin announces the availability and provides instructions for installation of this improved bearing.

Instructions: Remove the Rod End Bearing presently installed on the Nose Landing Gear Actuator and replace with the new Rod End Bearing (listed in Materials Required, below) per instructions listed in the applicable Cherokee Service Manual.

Material Required: One (1) each Piper Part Number 452 357V Rod End Bearing.

Availability of Parts: Your Piper Field Service Facility.

Effectivity Date: This Service Release is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to make arrangements for compliance with this Service Release in accordance with Compliance Time, above. Reimbursement for material specified above is available through your Piper Field Service Facility for a period of time not to exceed ninety ( 90) days from above issue date, in accordance with their respective material allowance credit application procedure.