



Piper Aircraft Corporation

Vero Beach, Florida, U.S.A.

SERVICE *No. 859* BULLETIN

* PIPER CONSIDERS *
* COMPLIANCE MANDATORY *

FAA Approved

Date March 30, 1987

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SUBJECT:

Nose Gear Shuttle Valve Bracket
Installation

MODELS AFFECTED:

PA-31-350 T-1020
PA-42 Cheyenne III
PA-42-720R Cheyenne

PA-42-720 Cheyenne IIIA

SERIAL NUMBERS AFFECTED:

31-8253001 through 31-8553002
42-7800002 through 42-8001106
42-5501024, 42-5501028, 42-5501032,
42-5501034 through 42-5501038
42-8301001, 42-8301002, 42-5501003
through 42-5501023, 42-5501025
through 42-5501027, 42-5501029
through 42-5501031 and 42-5501033
42-5527002 through 42-5527035

PA-42-1000 Cheyenne 400LS

COMPLIANCE TIME:

To coincide with the next regularly scheduled maintenance event, but not to exceed the next twenty-five (25) hours of operation.

PURPOSE:

Field reports have been received of the nose gear shuttle valve fitting fracturing at the actuator, caused by stress loads imposed by the hydraulic hoses during landing gear operation. Failure of shuttle valve results in the inability to extend the nose landing gear.

This Service Bulletin announces the availability of a Nose Gear Shuttle Valve Bracket Kit, which, when installed, will prevent the above described condition.

INSTRUCTIONS:

All instructions necessary to accomplish this installation are contained in the Nose Gear Shuttle Valve Kit, Piper Part Number 765-315.

MATERIAL REQUIRED:

One (1) each Nose Gear Shuttle Valve Bracket Kit, Piper Part Number 765-315, per aircraft.

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.

(over)
ATA: 3225

SUMMARY: (Cont'd.)

Please contact your Factory Authorized Piper Cheyenne Field Service Facility to make arrangements for compliance with the provisions of this Service Bulletin in accordance with the Compliance Time above, 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.