



ENSTROM HELICOPTER CORPORATION

2209 22ND STREET, P.O. BOX 490, MENOMINEE, MICHIGAN 49858-0490 USA

SERVICE DIRECTIVE BULLETIN

SERVICE NOTE NO. 0029A
Supplement to 0029

Date: January 21, 1976

Subject: Tail Cone Attachment Bolts

Model: F-28A Models .Serial No. 03 thru 347 280 Models .Serial No. 1001 thru 1030

Compliance: As Noted Below

The replacement NAS bolts defined on the original service note should be installed as directed.

When installing the NAS hardware on some helicopters in the field, it might be necessary to install an additional MS20002C6 or an AN960-616 washer on the NAS bolts. These additional washers will insure that the bolts will not bottom out on the grip portion when torqued to the airframe. When removing each of the three bolts, match up the grip lengths of the existing hardware. Be sure that the grip lengths are identical on the replacement NAS bolts.

The replacement NAS bolts are torqued to 240 in. lb. and safety wired.



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SERVICE DIRECTIVE BULLETIN

REFERENCE ONLY

SERVICE NOTE NO. 0029

Date: December 9, 1975

Subject: Tail Cone Attachment Bolts

Model: F-28A Models S/N 03 thru S/N 347 280 Models S/N 1001 thru S/N 1030

Compliance: As Noted Below

We have had several reports of failure of the upper tail cone attach bolts. Some of these bolts have been analyzed and one indicated a possible fatigue failure. The helicopters involved had a history of sheet metal failures in the aft tail cone section, indicating a high-frequency vibratory input. This condition, as described, can be caused by an out-of-balance tail rotor assembly. Unusual vibration in the drive belt system can also be a factor. Failure of the upper bolt does not necessarily infer displacement of the tail cone so close examination of the bolt must be made.

It is necessary that an immediate visual inspection of these three tail cone attach bolts be made and thereafter at 50-hour intervals in lieu of the 100-hour inspection called out on Page MM 3-7 of the Enstrom Maintenance Manual.

It is recommended that the original three AN bolts be replaced with three high-tensile NAS bolts which will void the special 50-hour inspection requirement.

Hardware required: 2 each NAS146DH-22 bolts - lower attachment points
1 each NAS146DH-24 bolt - upper attachment point
3 each MS20002C6 washers

Hardware listed can be obtained from Enstrom Customer Service Department.