



ENSTROM HELICOPTER CORPORATION

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

SERVICE DIRECTIVE BULLETIN

SERVICE NOTE NO. 0018
Supplement A

Date: February 15, 1974
Subject: Recommended Flight Procedure for Partial Loss of Power
Model Affected: F-28A Helicopters as Noted Service Note 0018
Compliance: As Noted Below

In the event of an in-flight failure of the forged idler yoke P/N 28-13223, as described in Enstrom Service Note 0018 issued January 24, 1974, the following procedures are recommended if clutch system failure is suspect.

Detection of possible failure is preceded by one or more of the following items:

1. Smell of smoke or scorched rubber caused by drive belt rubbing on retention straps.
2. Belt squealing or slippage accompanied by tachometer needles split.
3. The two above conditions accompanied by yawing of the helicopter.

Corrective Action:

1. Reduce manifold pressure to level that will reduce or stop belt slippage or squealing, as indicated by tachometer. Every effort should be used to maintain rotor rpm in the green at all times.
2. Maintain 50 to 80 mph indicated airspeed.
3. Select nearest suitable area for safe landing.
4. Approach and land with partial power.
5. Operator should be prepared at all times to autorotate to a landing if necessary.



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SERVICE DIRECTIVE BULLETIN

SERVICE NOTE NO. 0018

Date: January 24, 1974

Subject: Premature Failure of Idler Yoke P/N 28-13223 (Forging)

Model Affected: F-28A Helicopters S/N 154 and Up or Any Helicopters with Replacement Forged Parts Installed

Compliance: Immediate

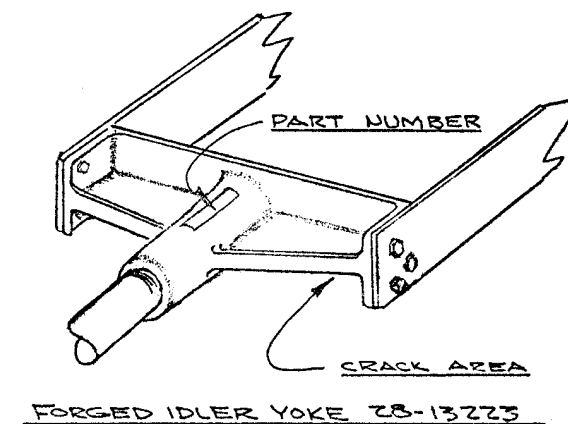
Reports of premature failures of the forged idler yoke P/N 28-13223 in the field have been received. These failures occurred at an average service time of approximately 88 hours. Identification of the forging can be accomplished by the following:

1. The part number is imprinted $\frac{1}{4}$ -inch raised numbers on the barrel portion.
2. The opposite side of the barrel has the alloy number MMT2014 in raised letters.

Helicopters prior to Serial No. 154 had a cast component P/N 28-13223 installed and are not affected by this service note. Helicopters that may have had this idler yoke (P/N 28-13223) changed by maintenance should be checked to verify if a cast or forged component is installed.

The cast component P/N 28-13223 will not have the raised part number or the alloy number imprinted on it, and will have a "T" cross section with a rough finish.

The illustration below shows the forged idler yoke installation.



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It is mandatory that immediate dye penetrant inspection of the forged P/N 28-13223 be performed and a close visual inspection be made on preflight or daily basis. The dye penetrant inspection is to be repeated every 10 hours until further notice.