



SERVICE DIRECTIVE BULLETIN

SERVICE DIRECTIVE BULLETIN NO. 0118

Revision 1

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Revision 1 changes the inspection interval from every 50 hours to a one time inspection.

DATE: December 11, 2015

1. SUBJECT: Idler Yoke Inspection, P/N 28-13299-3 (Machined Component)
2. MODEL: F-28A, 280, F-28C, 280C, F-28F, 280F, and 280FX
3. EFFECTIVITY: All S/N excluding F-28F S/N 831 and subsequent and 280FX S/N 2146 and subsequent.
4. BACKGROUND:

During an annual inspection of a factory F-28F demonstrator, a crack was discovered in the 28-13299-3 idler yoke. (Previously, SDB 0109R1 authorized replacement of certain 28-13299-1 idler yokes with 28-13299-3 idler yokes.)

This Service Directive Bulletin (SDB) requires a one-time inspection of the 28-13299-3 idler yoke and replacement of affected idler yokes.

5. COMPLIANCE:

Unless previously complied with upon initial release of this SDB, inspect the idler yoke for cracks in accordance with paragraph 6.1 before further flight.

Note: If the helicopter is remotely located from a maintenance facility, the pilot can perform a visual inspection of the idler yoke for cracks. If no cracks are detected visually, the aircraft may be ferried (2-hour flight maximum) to the maintenance facility to complete a thorough dye penetrant inspection in accordance with paragraph 6.1.

6. INSPECTION:

- 6.1 Inspect for cracks (reference Figure 1 and Figure 2) using dye penetrant method. Follow the dye penetrant manufacturer's instructions.

- 6.1.1 A heavy, solid line bleed-back indicates a crack. Reject the idler yoke and replace with an airworthy idler yoke, P/N 28-13299-3.
- 6.1.2 If no bleed-back indications are present, the inspection is satisfactory. Thoroughly clean the idler yoke per the penetrant kit instructions.
- 7. SPECIAL TOOLS:
Met-L-Chek® Dye Penetrant Kit, or Magnaflux Spotcheck® Kit, or equivalent.
- 8. MAN-HOURS:
Inspection – 45 minutes
- 9. WARRANTY: Per Enstrom New Helicopter Warranty policy
- 10. WEIGHT CHANGE: None
- 11. LOG BOOK ENTRY: Enter compliance with this SDB in the aircraft maintenance records.
- 12. REPETITIVE ACTION: None

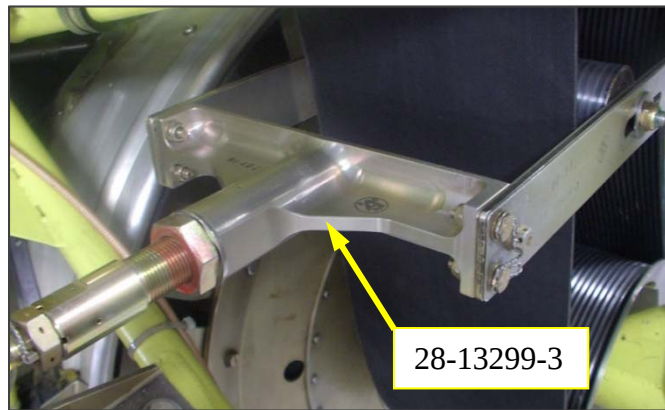


Figure 1 – Idler Yoke, P/N 28-13299-3

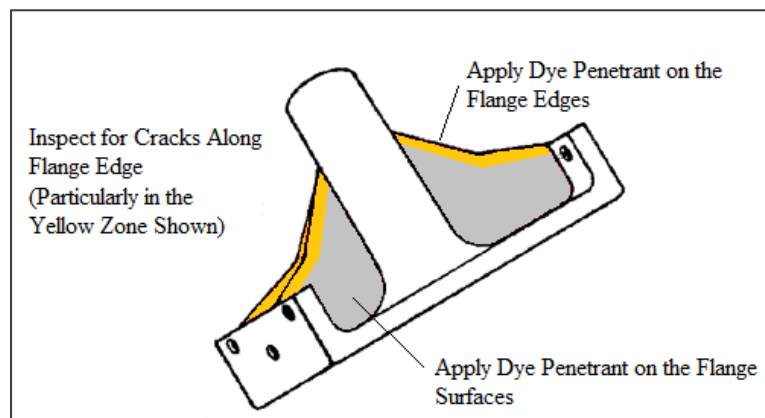


Figure 2 – Idler Yoke Dye Penetrant Inspection Areas