



SERVICE DIRECTIVE BULLETIN

SERVICE DIRECTIVE BULLETIN NO. T-055

Revision 1

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DATE: November 10, 2017

1. SUBJECT: Tail Rotor Rotating Controls Installation Inspection
2. MODEL: 480 and 480B
3. EFFECTIVITY: All S/N
4. BACKGROUND:

Enstrom has received a report of severe deterioration of the blade grip pitch horn at the point of attachment for the tail rotor pitch change link assembly. Further findings indicated that a lack of washers may have initiated the deterioration as evidenced by the wear exhibited on the damaged pitch horn plate. In addition, Enstrom has received reports of loosened hardware even after proper torque procedures were followed.

This Service Directive Bulletin (SDB) requires a pre-flight check of the tail rotor pitch change/pitch horn installation hardware for security.

- Accompanying information regarding detailed inspection and installation aspects of the tail rotor rotating controls hardware is provided in Service Information Letter (SIL) T-027 (latest revision).

Revision 1 clarifies the pre-flight procedure for checking for loose hardware, incorporates information for replacing cad plated carbon steel washers with passivated stainless steel washers, and adds reference information for proper hardware reinstallation.

5. COMPLIANCE:
 - 5.1 Before each flight, perform a pre-flight check for loose, turning hardware.
 - 5.1.1 Using both hands, firmly grasp the bolt head and nut and attempt to turn the bolt in the pitch change link rod end (Figure 1).
 - 5.1.1.1 If the hardware is tight, no further action is required.
 - 5.1.1.2 If the hardware is loose and/or wear is detected, contact authorized maintenance personnel to check the installation and re-torque (reference SIL T-027 (latest revision)) as soon as practicable.

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Figure 1. Check for Loose Hardware

- 5.2 At the next 50-hour service, modify the hardware requirements in accordance with SIL T-027 (latest revision) (refer to Figure 1, items (6) and (7)).
 - 5.2.1 Replace AN960-416 washers (cad plated carbon steel) with NAS1149C0463R/NAS1149C0432R washers (passivated stainless steel).
 - 5.2.2 Each AN960 washer is to be replaced with its equivalent size NAS1149C04XXR washer.
- 5.3 Any time the tail rotor pitch change link assembly is disconnected for servicing or general maintenance (TH-28/480 Series Maintenance Manual, Table 4-2 and paragraph 12-120; and SIL T-026), reference SIL T-027 (latest revision) to ensure the hardware is properly reinstalled and torqued.
6. PARTS: N/A
7. SPECIAL TOOLS: N/A
8. MAN-HOURS: Inspection – 10 minutes
9. WARRANTY: Per Enstrom Helicopter Warranty policy
10. WEIGHT CHANGE: N/A
11. LOG BOOK ENTRY: Enter compliance with this SDB in the aircraft maintenance records.
12. REPETITIVE ACTION:
Before each flight, perform a pre-flight check in accordance with Para. 5.1