



SERVICE INFORMATION LETTER

SERVICE INFORMATION LETTER NO. T-022

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DATE: January 31, 2005

1. SUBJECT: Oil Lubricated Lower Pulley Bearings
2. MODEL: TH-28 and 480
3. EFFECTIVITY: All serial numbers.
4. BACKGROUND:

Oil lubricated lower pulley bearings are now approved as a replacement for the grease lubricated lower pulley bearings in TH-28 and 480 model aircraft. Oil lubrication of the bearings reduces the maintenance down time associated with bearing over-temperature indications resulting from under/over lubrication of the greased bearings. The oil lubrication style bearing temperature probes also reduce the maintenance down time associated with the false over-temperature indications related to the grease style probes.

5. COMPLIANCE:

At owner/operator option, install the oil lubrication style lower pulley bearing housing assemblies into the lower pulley assembly and install the oil lubrication style bearing temperature probes.

- 5.1. MODIFICATION:

NOTE

Refer to the TH-28/480 Series Maintenance Manual for the specific maintenance tasks associated with this Service Information Letter.

1. Remove the lower pulley assembly from the aircraft.
2. Disassemble the lower pulley assembly.

CAUTION

Do not use the STP/Oil mixture when assembling an oil lubricated lower pulley assembly. Only use turbine oil, MIL-PRF-23699, as a lubricant when assembling an oil lubricated lower pulley assembly.

3. Reassemble the lower pulley assembly using the oil lubricated bearing housing assemblies, P/N 4130500-105 and 4130500-106; fittings, P/N SS-200-1-2SBT; and temperature probes, P/N 4193003-5 and 4193003-7.

NOTE

The lower pulley bearing(s), P/N ECD 4056-1 or -3, may be reused if in serviceable condition. Clean the bearing(s) thoroughly to remove all grease prior to installation into the bearing housing.

4. Service the lower pulley bearings with turbine oil, MIL-PRF-23699.

NOTE

Do not fill oil level higher than one half of the sight glass. Oil levels higher than one half the sight glass can cause bearing over-temperature indications.

5. Reinstall the lower pulley assembly.
6. Perform a complete lower pulley drive system alignment.

5.2. PARTS

Part Number	Description	Quantity/Assembly
4130500-105*	Bearing Housing Assembly, Aft	1 Ea.
4130500-106*	Bearing Housing Assembly, Forward	1 Ea.
SS-200-1-2SBT	Fitting	2 Ea.
4193003-5	Thermocouple Probe Assembly (Aft)	1 Ea.
4193003-7	Thermocouple Probe Assembly (Forward)	1 Ea.

- * Refer to TH-28/480 Series Illustrated Parts Catalog, Figure 7-5 for the bearing housing assembly parts breakdown.

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6. SPECIAL TOOLS: T-0139 Belt Tension Tool
T-0141 Drive Pulley Alignment Tool
7. MAN-HOURS: 12 Man-hours
8. WARRANTY: Per standard Enstrom policy.
9. WEIGHT CHANGE: N/A
10. LOG BOOK ENTRY: As required for maintenance actions.
11. REPETITIVE INSPECTION:

Refer to the TH-28/480 Series Maintenance Manual for periodic inspection procedures.

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