



# SERVICE INFORMATION LETTER

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SERVICE INFORMATION LETTER NO. 0016

Revision 1

Page 1 of 2

DATE: October 6, 2000

1. SUBJECT: Removal of Alternator Cooling Fan

2. MODEL: F-28A, F-28C, F-28F, 280, 280C, 280F, and 280FX

3. EFFECTIVITY: All serial numbers

4. BACKGROUND:

Enstrom recently received a report of an alternator cooling fan failure. The original release of this Service Information Letter required removing the alternator cooling fan. The alternator is cooled by the engine cooling fan. Enstrom has been removing the alternator cooling fan from all production aircraft since 1969.

5. COMPLIANCE:

At the next 100 hour/annual inspection, determine if a cooling fan is installed on the alternator. If a cooling fan is installed, remove the cooling fan from the alternator in accordance with paragraph 5.1.

When installing a replacement alternator, remove the cooling fan in accordance with paragraph 5.1.

5.1. MAINTENANCE PROCEDURE:

1. If the alternator is installed in the aircraft, remove the jack strut assembly, engine cooling fan, and alternator drive belt in accordance with the applicable aircraft maintenance manual.
2. Using a strap wrench or other suitable wrench, hold the alternator pulley and remove the nut and washer.
3. Remove the pulley and cooling fan from the alternator.
4. Install the spacer, P/N 28-21017-1, onto the alternator shaft.
5. Install the pulley, washer, and nut. Using a strap wrench or other suitable wrench, torque the nut to 35 ft-lbs/47.7 Nm.

October 6, 2000

- 6. Install the alternator drive belt, engine cooling fan, and jack strut assembly in accordance with the applicable aircraft maintenance manual.

5.2. PARTS:

<u>Description</u>	<u>Part Number</u>	<u>Quantity</u>
Spacer	28-21017-1	1 Ea.

- 6. SPECIAL TOOLS: Strap wrench or other suitable wrench
- 7. MAN-HOURS: .5 Man-hours if the alternator not installed in aircraft.  
4.0 Man-hours if the alternator installed in aircraft.
- 8. WARRANTY: Not applicable
- 9. WEIGHT CHANGE: None
- 10. LOG BOOK ENTRY: As required for maintenance actions
- 11. REPETITIVE INSPECTION: None

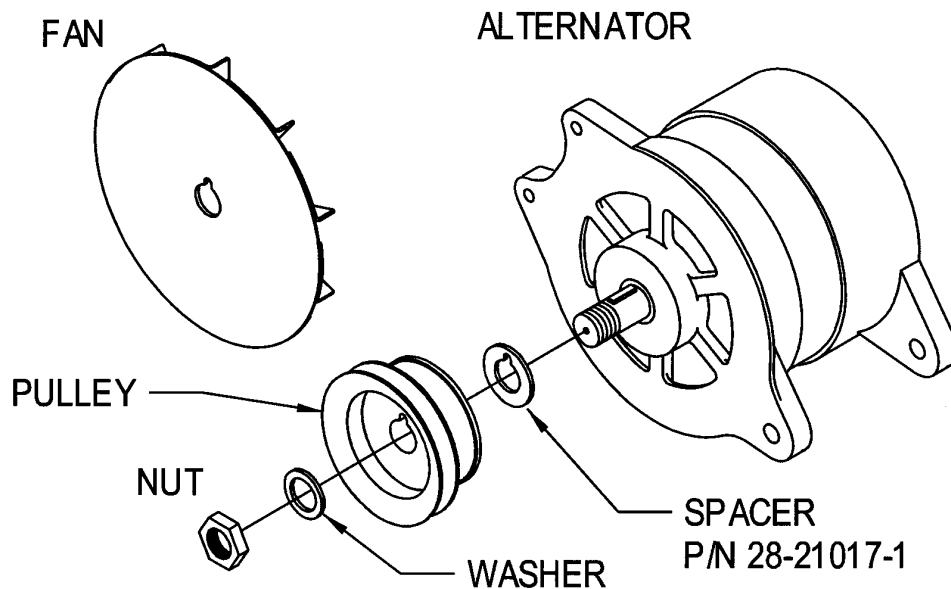


FIGURE 1