



ENSTROM HELICOPTER CORPORATION

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

SERVICE DIRECTIVE BULLETIN

SERVICE DIRECTIVE BULLETIN 0052
Attachment - Bendix Service Bulletin No. 614

Date: March 17, 1981

Subject: Repair of Five Wire Connector

Models: All 280F, F28F and "C" Models with Shower of Sparks Ignition

Effectivity: Within the Next 25 Hours of Operation

Enstrom has been notified by Bendix Corporation to alert users that a possible loss of ignition due to the five wire connector becoming dislodged from the starter vibrator case.

All owners of Enstrom model helicopters equipped with the Bendix shower of sparks ignition system, must comply with Bendix Service Bulletin No. 614 within the next 25 hours of operation.

For convenience, a copy of the Bendix Service Bulletin No. 614 is attached providing the corrective procedures necessary for compliance.



Printed February, 1981

Page 1 of 2 Pages

ATTACHMENT TO ENSTROM SDB 0052

AIRCRAFT

SUBJECT : Repair of certain starting vibrators utilizing "5" contact bushing (connector).

REASON : To alert users of a possible loss of ignition and provide a procedure for corrective action.

EQUIPMENT AFFECTED : All starting vibrators with part numbers indicated below and having a date mfg. of 901 through 101, or 8010 through 8101 (see examples below) permanently stamped on the vibrator.

Vibrator Part Numbers :

10-176485-121	10-176485-242
10-176485-122	10-382780-12
10-176485-241	10-382780-24

Example of Date Mfg. :

- a) 901 : 9 is year of manufacture = 1979; 01 is work week of manufacture = week of January 1.
- b) 021 : 0 is year of manufacture = 1980; 21 is work week of manufacture = week of May 18.
- c) 101 : 1 is year of manufacture = 1981; 01 is work week of manufacture = week of January 1.
- d) 8010 : 80 is year of manufacture = 1980; 10 is work week of manufacture = week of March 2.

Compliance :

Procedures in this bulletin must be completed within the next 25 hours of operation.

General Information :

Bushing (connector), P/N 10-382943, may become loose in the vibrator plate and cause the grounding of both magnetos with possible loss of ignition. See figure 1 (defect).

Detailed Instructions :

WARNING

Master switch must be in the off position while performing any procedures on the engine.

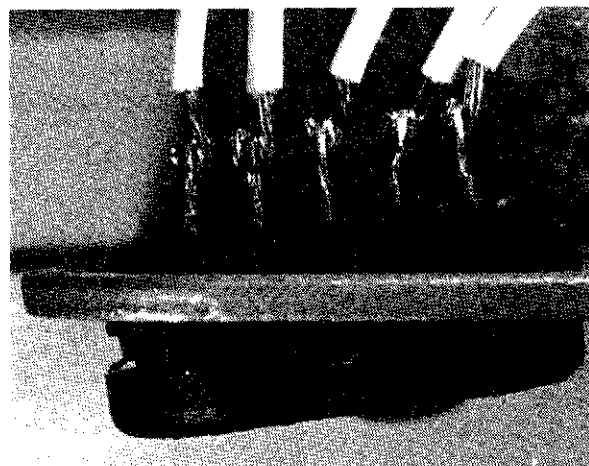


Figure 1 Defect

1. Remove starting vibrator from the airframe.
2. Remove cover to expose the internal surface of the terminal bushing (connector).
3. The surface around the terminal bushing must be clean, dry, free of oil, dirt and grease.
4. Reseat the terminal bushing in the mounting plate to its full extent.



Printed February, 1981

Page 2 of 2 Pages

ATTACHMENT TO ENSTROM SDB 0052

5. Use RTV (Silicone rubber sealant, or equivalent, Dow Corning Corp., Midland, Mich. 48640) to seal terminal bushing to the mounting plate. Apply a small bead completely around the bottom of bushing to secure the bushing to the plate as shown in figure 2 (repaired). If RTV is not available, use either Hysol, Epoxi-Patch Kit (general purpose), Hysol Corp., Olean, NY or Conap, Easy epoxy Kit (K20 general purpose) 1405 Buffalo St., Olean, NY, or equivalent.

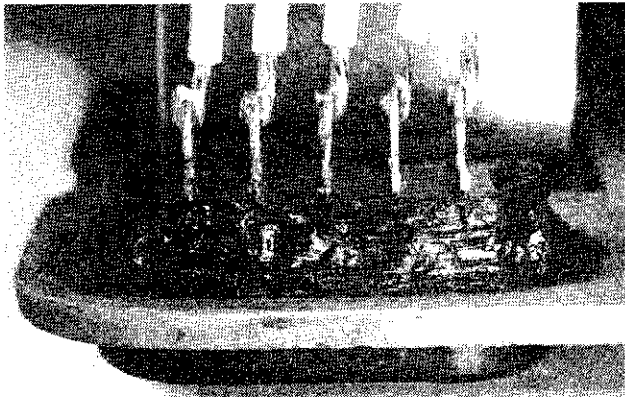


Figure 2 Repaired

6. Allow a curing time of 24 hours at room temperature of 77°F (or follow manufacturer's recommended curing instructions on the adhesive) before reinstalling the starting vibrator.

7. After proper curing, reinstall the starting vibrator cover and reinstall the vibrator in the airframe.
8. When the vibrator repair has been completed as per the instructions in this bulletin, the vibrator must be permanently identified as follows: Approximately 1/4 inch to the right of the manufacture date apply a 1/16 inch dot of red dykem, or equivalent.
9. Make an appropriate entry in the airframe log book to indicate compliance with this bulletin.
10. Compensation for the work involved in complying with this Service Bulletin for those vibrators under warranty will be made upon the submission of a Warranty Claim submitted through a currently Authorized Bendix Engine Products Division Distributor. Compensation will be made in accordance with established Bendix Warranty procedures, with 1/2 hour labor authorized for this bulletin procedure.

Special Tools Required :

None

Man Hours Required :

1/2 (.5) hour

Weight Change :

N/A