



SERVICE BULLETIN

TO : All AS350 B / D / FX, EC130 Operators
FROM : FDC/aerofilter Engineering
SB NUMBER : SB.FDC.AS350.0014
CATEGORY : Optional Service Bulletin
EFFECTIVITY : All AS350 Helicopters modified IAW STC SR00811SE
All AS350 Helicopters modified IAW STC SR01049SE
All EC130 Helicopters modified IAW STC SR01373SE
DATE : Wednesday, November 05, 2008

¼-TURN FASTENER RECEPTACLES

1.0 BACKGROUND

On the possibility of a ¼-turn fastener pin breaking, the pin falls outside of the engine air path.

The remote possibility exists that a broken pin could fall on the ledge of the filter housing and fall into the engine inlet at the next engine cowl opening.

FDC has introduced encapsulated receptacles to the AS350 & EC130 filter systems as added insurance against this possibility. This Service Bulletin details the repair procedure to replace open receptacles.

2.0 COMPLIANCE

Optional

3.0 COMPLIANCE TIME

As required

4.0 SPARE KIT AVAILABILITY

N/A

5.0 INSTALLATION TIME

Estimated 1.5 man-hours.

6.0 WEIGHT & BALANCE

Not Effected

7.0 FLIGHT MANUAL REVISION

Not Applicable

8.0 DOCUMENTS

Not Effected

9.0 REPAIR INSTRUCTIONS

NOTE: Ensure that you comply with standard practices as per AC43.

- (1) Remove the filter element from the aircraft and disconnect system lines to the filter system.
- (2) Remove the cowl with the filter housing from the aircraft and place upside-down on a padded workbench. Install cover to prevent contamination of compressor.
- (3) Remove the filter housing from the cowl by removing the 15 perimeter screws. Note that there are two size screws used. Retain screws for reinstallation.
- (4) Remove the existing 17 ¼-turn fastener receptacles from the housing by drilling out the rivets.
- (5) Install new fastener receptacles: Stainless Steel (Fairchild Fasteners Catalog Page A-28, P/N 26R18-1), or Silicon Bronze (Fairchild Fasteners Catalog Page A-28, P/N 26R16-1) in the same locations using 34 rivets (P/N MS20426A3-5).
- (6) Reinstall filter housing into cowl using hardware removed in (3).
- (7) Reinstall cowl onto aircraft, ensuring system lines to the filter system are reconnected.
- (8) Clean away inlet protection, check for debris, and reinstall the filter.

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