

CFM56-7B S/B 80-0016 – Introduction of New V-Band Clamp VIN 31428-6600 (P/N 2635M04P01)



Vinod Makam

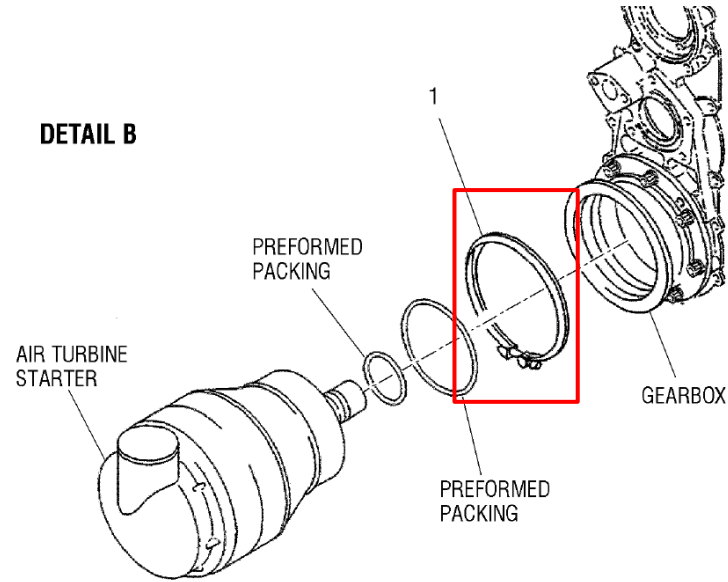
Aftermarket Sales Manager (Ducting & Sealing Products)

Aftermarket Fuel & Motion Control Systems Division



Powering Business Worldwide

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Eaton P/N 31428-6600

CFM56-7B S/B 80-0016: Eaton P/N 31428-6600

GE CFM Retrofit objective

- Introduce new part with improved reliability & maintainability.
- Replace cracked Sheet metal V-band clamps that have failed and caused oil loss at the gear box interface in the field resulting in In-Flight Shut Downs (IFSDs)

Root cause

- The welded sheet metal clamp is known to crack in the weld and fails in High Cycle Fatigue (HCF). Overtorque during installation of the Sheet metal clamp is known to increase the likelihood of cracking

New part design improvements

- New design is a Machined Clamp (No Welds)
 - The new part is constructed with fully machined components and this designs out the weld thus eliminating the failure mode
- Improved margin to installation over torque
 - New Machined clamp is torqued to a higher torque range, 115-125 lb-in, which is aligned to common pneumatic system couplings on the engine

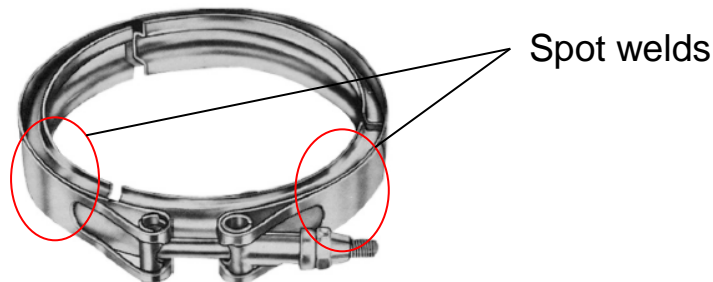
7B_80-0016R0 Coupling retrofit Eaton p/n 31428-6600

Sheetmetal coupling

- Contains welds
- Manufactured from stainless steel sheet
- Installation torque = 49-55 lb-in
 - Highly sensitive to overtorque

Machined coupling

- No welds - fully machined
- Manufactured from heat resistant alloys
 - A-286 retainers
 - Inconel 718 & A-286 hardware
- Increased margin compared to sheetmetal coupling
- Installation torque = 115-125 in-lb
 - Torque marked on part
 - Torque common to similar machined couplings on the engine



No spot welds



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Description

- This Service Bulletin introduces a new V-band clamp VIN 31428-6600 (P/N 2635M04P01)

Manpower

- After access to the V-band clamp is obtained, approximately 1 man-hour is required to do the replacement portion of this Service Bulletin

Compliance

- CFM recommends that you do this Service Bulletin as soon as the V-band clamp is removed from the engine
- This Service Bulletin can be accomplished on wing or in shop

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Contact information

CFM has negotiated a special price with Eaton/AAR for orders placed on or before the date of 30 June 2016 for the purpose of this Service Bulletin.

Customers are requested to contact the AAR below for their requirements

AAR Distribution

c/o Eaton Commercial Product Line

1100 N. Wood Dale Rd.

Wood Dale, IL 60191

U.S.A.

or U.S.A. Phone: 630-227-2000



Questions/Comments



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