

EAGLE TECHNICAL BULLETIN

REF. TCCA STC: SH14-47
REF. FAA STC: SR03496NY

Eagle Service Bulletin Number: **TB-E407-789-12**

Purpose: To provide instructions for installation of an upgraded 0789-03-307-1 Dual Tachometer

Eligible Serial Numbers: All. The intent of this TB has been incorporated by Eagle Copters at 407HP #018 and subsequent prior to delivery

Compliance: **Eagle Copters will be working with operators to incorporate this upgrade into all 407 aircraft that have been modified per SH14-47/SR03496NY**

Description:

In October 2017, a 407HP experienced an uncommanded engine shutdown in flight. While the root cause is believed to be related to the Frangible Fuse in the engine, the investigation has revealed that additional annunciation of Frangible Fuse faults will be beneficial to operators. Therefore, P/N 0789-03-307-1 Dual Tachometer has been updated to illuminate the FADEC MAINT advisory light, in flight, if a Frangible Fuse fault is annunciated by the FADEC.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 18.03.08
CERT. NO.: SH14-47
ISSUE NO.: 1

APPROVED

A	NEW ISSUE	HS	18.03.08
REV.	DESCRIPTION	BY	DATE
DESIGN	HS	EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA	
DRAWN	HS		
CHECKED	KB	DRAWING NO.	REV. A
MFG. APPR.	N/A	TB-E407-789-12	SHEET 1 OF 3
APPROVED	HS	TITLE	
DE APPR.	DS	FRANGIBLE FUSE FAULT MGMT	
DATE	18.03.08	<small>COPYRIGHT © 2018 BY EAGLE COPTERS LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM EAGLE COPTERS LTD.</small>	

Procedure:


1. Replace the 0789-03-307-1 Dual Tachometer Rev. A or previous with a 0789-03-307-1 Dual Tachometer Rev. B or later per ICA-E407-789 Section 95.5.6.
2. Ensure that the latest version of the GSE software is being used to interrogate the 0789-03-307-1 Dual Tachometer. Version 1.3.4.0 Rev. C or later is required. Download new software at [http://www.diamondjinc.net/support/Diamond J Indicator Interface.zip](http://www.diamondjinc.net/support/Diamond%20J%20Indicator%20Interface.zip)
3. Ensure that FMS-E407-789-1 Rev. 2 has been inserted into the Rotorcraft Flight Manual
4. Ensure that ICA-E407-789 Rev. 3 is being used to perform maintenance on the helicopter
5. In the event of FADEC MAINT advisory light illumination in flight, the procedures in FMS-E407-789-1 and ICA-E407-789 must be followed
6. Per Honeywell SB HTS900-77-10-0008, P/N 4-301-549-03 Frangible Fuses that exhibit Frangible Fuse Link faults must be removed from service
7. Make entry in aircraft technical records indicating that TB-E407-789-12 has been complied with
8. Complete and return Sheet 3 of this TB to Eagle Copters to indicate compliance

Weight and Balance:

The incorporation of this TB has a negligible effect on the aircraft weight and balance

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
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	D. SHEPHERD (DE # 02)
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DRAWN	HS		
CHECKED	KB	DRAWING NO.	REV. A
MFG. APPR.	N/A	TB-E407-789-12	SHEET 2 OF 3
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NOTIFY EAGLE COPTERS THAT THE TB-E407-789-12 HAS BEEN INCORPORATED INTO THE AIRCRAFT LISTED BELOW.

AIRCRAFT SERIAL NUMBER: _____

AIRCRAFT OWNER: _____

DATE TB-E407-789-12 WAS INCORPORATED ON THE ABOVE AIRCRAFT:

SIGNATURE OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:

PRINT NAME OF PERSON RESPONSIBLE FOR ENTRY INTO AIRCRAFT TECHNICAL RECORD:

Email this page to: mboyce@eaglecopters.com

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	DRAWN	HS		
	CHECKED	KB	DRAWING NO.	REV. A
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