

EAGLE TECHNICAL BULLETIN

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

Eagle Technical Bulletin Number: **TB-E407-789-6**

Purpose: To add an upgraded Engine Gearbox Vent Line Assembly

Eligible Serial Numbers: 53585, 53494, 53868, 53641

Compliance: At the next convenient Maintenance Interval

Description:

Eagle Copters has developed this Technical Bulletin to provide an upgraded Gearbox Vent Line Assembly that includes a flexible portion to prevent stresses due to misalignment. Compliance with this Technical Bulletin requires the parts listed in Table 1 below:

Parts List:

Table 1

| QTY -011 | PART NUMBER | DESCRIPTION |
|-------------|-------------------|--|
| X | TB-E407-789-6-011 | GEARBOX VENT LINE UPGRADE KIT |
| 1 | 0789-02-121-1 | GEARBOX VENT LINE ASSEMBLY |
| 1 | AN815-8J | UNION, FLARED TUBE |
| 1 | MS21919WCJ13 | CLAMP, LOOP TYPE, CUSHIONED, SUPPORT |
| 1 | S145000008-0093 | FLEX LINE, GEARBOX VENT, TITFLEX, SAE AS1424 |

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

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.07.04
CERT. NO.: SH14-47
ISSUE NO.: 1

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|------------|--|---|--------------|
| A | NEW ISSUE | AK | 16.07.04 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | AK | EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA | |
| DRAWN | VS | | |
| CHECKED | HS | DRAWING NO. | REV. A |
| MFG. APPR. | EPDMA | TB-E407-789-6 | SHEET 1 OF 3 |
| APPROVED | HS | TITLE | SCALE |
| DE APPR. | DS  | GEARBOX VENT LINE UPGRADE | NTS |
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Procedure:

1. Remove 0789-02-119-1 Engine Gearbox Vent Line Assembly per ICA-E407-789, Section 79. Retain clamping hardware and clamps.
2. Install 0789-02-121-1 Engine Gearbox Vent Line Assembly onto engine gearbox and route toward engine exhaust. See Figure 1.
3. Install AN815-8J Flared Tube Union onto 0789-02-121-1 Engine Gearbox Vent Line Assembly. See Figure 1.
4. Install S145000008-0093 Flex Line onto the AN815-8J Union and onto the Engine exhaust duct fitting.
5. Torque all lines per ICA-E407-789 and clamp as shown in Figure 1 using new MS21919WCJ13 Clamp and existing (retained) clamp and hardware.
6. Notify Eagle Copters that this Technical Bulletin has been accomplished by filling in the attached form (sheet 3) and emailing it to Eagle Copters.
7. Make entry into aircraft technical reports to indicate TB-E407-789-6 has been completed.

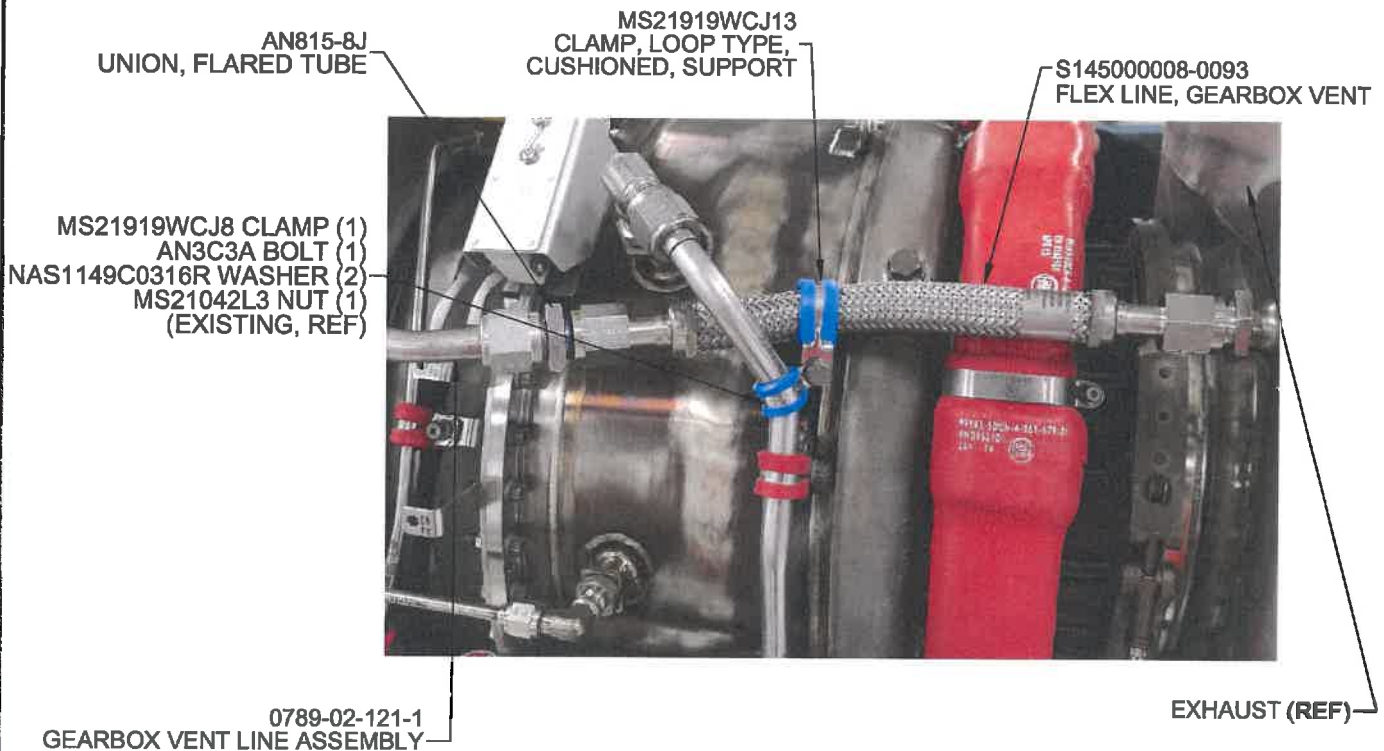


FIGURE 1: GEARBOX VENT LINE UPGRADE KIT INSTALLATION

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| | |
|------------|----------|
| DESIGN | AK |
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| DATE | 16.07.04 |

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| EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA | |
| DRAWING NO. | REV. A |
| TB-E407-789-6 | SHEET 2 OF 3 |
| TITLE | SCALE |
| GEARBOX VENT LINE UPGRADE | NTS |

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NOTIFY EAGLE COPTERS THAT THE TB-E407-789-6 HAS BEEN INCORPORATED INTO THE AIRCRAFT LISTED BELOW.

AIRCRAFT SERIAL NUMBER: _____

AIRCRAFT OWNER: _____

DATE TB-E407-789-6 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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| | | | | |
|------------|-------|--|------------------------------|------------------------|
| DESIGN | AK | EAGLE COPTERS LTD CALGARY, ALBERTA, CANADA | DRAWING NO. TB-E407-789-6 | REV. A SHEET 3 OF 3 |
| DRAWN | VS | | | |
| CHECKED | HS | TITLE GEARBOX VENT LINE UPGRADE | | |
| MFG. APPR. | EPDMA | SCALE NTS | | |
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