

# EAGLE TECHNICAL BULLETIN

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

Eagle Technical Bulletin Number: **TB-E407-789-18**

Purpose: To provide instructions for installation of Night Vision Imaging System (NVIS) compatible instrument panel indicators and switches.

Eligible Serial Numbers: 54086

Compliance: Optional, to be installed and evaluated in conjunction with STC SR01383SE.

Description: This technical bulletin (TB) describes the installation of the instruments, placards and switches required to make the 407HP modification compatible with NVIS installations.

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:   
K BARTON (DE # 05)

DATE: 19.04.04  
CERT. NO.: SH14-47  
ISSUE NO.: 1

APPROVED

A	NEW ISSUE	EB	19.04.04
REV.	DESCRIPTION	BY	DATE
DESIGN	EB	<b>EAGLE COPTERS LTD</b> CALGARY, ALBERTA, CANADA	
DRAWN	EB		
CHECKED	KB	DRAWING NO.	REV. A
MFG. APPR.	N/A	TB-E407-789-18	SHEET 1 OF 5
APPROVED	WK	TITLE	
DE APPR.	KTB 	NVIS COMPATIBLE PART INSTL.	
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Compliance with this TB requires the parts listed in Table 1 below

QTY -011	PART NUMBER	DESCRIPTION
X	TB-E407-789-18-011	NVIS COMPATIBLE PART KIT
1	LED-42-11-SK-E2GCU	FADEC RESET SWITCH - PUSH BUTTON LED
1	0789-03-307-3	DUAL TACHOMETER INDICATOR
1	0789-03-308-3	GAS GENERATOR TACH INDICATOR
1	0789-03-309-3	MEASURED GAS TEMP INDICATOR
1	0789-03-310-3	TORQUE INDICATOR
1	0789-03-311-3	ENG OIL PRESS AND TEMP INDICATOR
1	0789-03-312-3	FUEL QUANTITY INDICATOR
1	0789-03-313-3	FUEL PRESSURE AND AMMETER INDICATOR
1	0789-03-314-3	TRANSMISSION OIL PRESS AND TEMP INDICATOR
1	0789-03-170-113	ENG FUEL FILTER
1	0789-03-170-133	A/F FUEL FILTER
1	0789-03-170-153	FADEC CH FAIL
1	0789-03-170-213	FADEC MAINT
1	0789-03-170-233	START FAULT
1	0789-03-170-313	ENG OIL PRESS
1	0789-02-096-3	INTEGRALLY LIT PANEL
1	0789-03-182-3	PLACARD, OPERATING LIMITATIONS, PERFORMANCE DATA
1	0789-03-183-3	PLACARD, FUEL CAPACITY
1	0789-03-184-3	PLACARD, OPERATING LIMITATIONS
1	0789-03-191-3	PLACARD, FUEL VALVE
1	0789-03-202-3	PLACARD, CAP MODIFICATION

**TABLE 1 - NVIS PART NUMBERS**

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DESIGN	EB	<b>EAGLE COPTERS LTD</b> CALGARY, ALBERTA, CANADA	
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MFG. APPR.	N/A	<b>TB-E407-789-18</b>	SHEET 2 OF 5
APPROVED	WK	TITLE	
DE APPR.	KTB <i>[Signature]</i>	<b>NVIS COMPATIBLE PART INSTL.</b>	
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QTY	PART NUMBER	DESCRIPTION
1	LED-42-11-BK-E138W	FADEC RESET SWITCH - PUSH BUTTON LED
1	0789-03-307-1	DUAL TACHOMETER INDICATOR
1	0789-03-308-1	GAS GENERATOR TACH INDICATOR
1	0789-03-309-1	MEASURED GAS TEMP INDICATOR
1	0789-03-310-1	TORQUE INDICATOR
1	0789-03-311-1	ENG OIL PRESS AND TEMP INDICATOR
1	0789-03-312-1	FUEL QUANTITY INDICATOR
1	0789-03-313-1	FUEL PRESSURE AND AMMETER INDICATOR
1	0789-03-314-1	TRANSMISSION OIL PRESS AND TEMP INDICATOR
1	0789-03-170-11	ENG FUEL FILTER
1	0789-03-170-13	A/F FUEL FILTER
1	0789-03-170-15	FADEC CH FAIL
1	0789-03-170-21	FADEC MAINT
1	0789-03-170-23	START FAULT
1	0789-03-170-31	ENG OIL PRESS
1	0789-02-096-1	INTEGRALLY LIT PANEL
1	0789-03-182-1	PLACARD, OPERATING LIMITATIONS, PERFORMANCE DATA
1	0789-03-183-1	PLACARD, FUEL CAPACITY
1	0789-03-184-1	PLACARD, OPERATING LIMITATIONS
1	0789-03-186-1	PLACARD, HORN MUTE
1	0789-03-187-1	PLACARD, FIRE DET. TEST
1	0789-03-188-1	PLACARD, LCD TEST
1	0789-03-189-1	PLACARD, FUEL QTY. FWD.
1	0789-03-190-1	PLACARD, CHIP DET. TEST
1	0789-03-191-1	PLACARD, FUEL VALVE

**TABLE 2 - PARTS NO LONGER REQUIRED FROM E407-789-011 KIT**

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DESIGN	EB	<b>EAGLE COPTERS LTD</b> CALGARY, ALBERTA, CANADA
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REV. A  
SHEET 3 OF 5

Procedure:

1. Remove all items listed in Table 2 from kit E407-789-011 and replace with items from Table 1.
2. Install the NVIS compatible FADEC RESET switch, P/N LED-42-11-SK-E2GCU, IAW Section 7.1 of IIN-E407-789 and drawing 0789-01-155.
3. Install qty 8 of the 0789-03-3XX-3 (NVIS green A) NVIS compatible gauges (see Table 1) in place of the 0789-03-3XX-1 (standard) gauges, IAW Section 7.1 of IIN-E407-789 and drawing 0789-01-155.
4. Install qty 6 of the 0789-03-170-XX3 (NVIS green A) NVIS compatible Caution/Warning Panel segments in BHT P/N: 407-375-015-111 in place of the standard segments, IAW Section 7.1 of IIN-E407-789 and drawing 0789-03-170.
5. Install placard P/N: 0789-03-202-3 on BHT P/N: 407-375-015-111, IAW drawing 0789-01-142.
6. Install the 0789-03-XXX-3 placards, IAW Section 7.1 of IIN-E407-789 and drawing 0789-01-155.
7. Install the 0789-032-096-3 (NVIS green A) NVIS compatible Collective Panel (see Table 1) in place of the 0789-02-096-1 (standard) Collective Panel, IAW Drawing 0789-02-096.
8. Make entry in aircraft technical records indicating that TB-E407-789-18 has been complied with.
9. Complete and return Sheet 5 of this TB to Eagle Copters to indicate compliance.

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NOTIFY EAGLE COPTERS THAT THE TB-E407-789-18 HAS BEEN INCORPORATED INTO THE AIRCRAFT LISTED BELOW.

AIRCRAFT SERIAL NUMBER: \_\_\_\_\_

AIRCRAFT OWNER: \_\_\_\_\_

DATE TB-E407-789-18 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: [JDJORG@EAGLECOPTERS.COM](mailto:JDJORG@EAGLECOPTERS.COM)

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