

# **Owner/Operator Manual CMM500-1**

## **McCauley C500 Series Full-Feathering Constant Speed Propeller**

**McCauley Propeller Systems  
P.O. Box 7704  
WICHITA, KS 67277**

**Sales and Marketing  
Product Support/Engineering  
All Departments  
Fax Number**

**316-831-4021  
316-831-4021  
800-621-PROP (7767)  
316-831-3858**

BLADE MODEL \_\_\_\_\_

McCAULEY PROPELLER SYSTEMS

BLADE SERIAL NO. \_\_\_\_\_

BLADE LOG CARD

DATE	TOTAL TIME	INSTALLED IN HUB MODEL/SERIAL NO.	AIRCRAFT TYPE & SERIAL NUMBER	MAINTENANCE & SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
8/25/17	794.6	SMOH.		Inspected as per 100hr inspection. Lubed & dressed.	<i>[Signature]</i> AIP487645318
8/13/18	844.9	SMOH.		Inspected as per 100hr inspection.	<i>[Signature]</i> 3624556 AIP
9/16/18	1561.5	TT 970	SMOH	Inspected as per 100hr inspection. Dressed as needed	<i>[Signature]</i> AIP487645318
10/1/2020	1598.6	TT 1007.1	SMOH	Inspected as per 100hr inspection. Dressed as needed.	<i>[Signature]</i> AIP487645318

DATE	TOTAL TIME	INSTALLED IN HUB MODEL/SERIAL NO.	AIRCRAFT TYPE & SERIAL NUMBER	MAINTENANCE & SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
13 JUNE 2013	HM 1868.4	S MOH	468.6	cleaned serviced and painted 100 HOUR INSPECTION COMPLETED	Charles Miley AP2158370
10 JUNE 2014	HM 1964.4	S MOH	565	cleaned serviced and painted 100 HR INSP COMPLETED	Charles Miley AP2158370
6-12-15	HM - 2064.6	S MOH	665.2	CLEANED & SERVICED 100 HR INSP. COMPLETED	Nobby Brown 2837625 ADP
10 JUNE 2016	HM - 2127.3	S MOH	727.9	cleaned & serviced 100HR insp completed SPINNER REPAIRED AT PRECISION WELDING, SEE SERVICEABLE TAGS	Charles Miley 2158370 AP

BLADE MODEL \_\_\_\_\_

McCAULEY PROPELLER SYSTEMS

BLADE SERIAL NO. \_\_\_\_\_

BLADE LOG CARD

DATE	TOTAL TIME	INSTALLED IN HUB MODEL/SERIAL NO.	AIRCRAFT TYPE & SERIAL NUMBER	MAINTENANCE & SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
1 FEB 10	HM 1505-4	SMDH	105.6	cleaned & serviced, Replaced ONE wire HARNESS PN SMR 2092-5 SN 102909	Charles R. Whiteley 132860832AP
1 MAR 2011	HM 1598-1	SMDH	198.3	cleaned, serviced and painted 100 HR inspection completed.	Charles R. Whiteley AP2158370
14 MAY 2012	HM 1741-6	SMDH	341.8	R&R this prop AFTER ENG. Repair By custom AIRMATIVE one device HARNESS Replaced, cleaned & PAINTED, 100 HR insp. completed.	Charles R. Whiteley AP2158370

BLADE MODEL


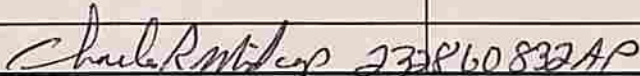
G-82NFA-6

McCAULEY PROPELLER SYSTEMS

BLADE SERIAL NO.

YK26446

BLADE LOG CARD

DATE	TOTAL TIME	INSTALLED IN HUB MODEL/SERIAL NO.	AIRCRAFT TYPE & SERIAL NUMBER	MAINTENANCE & SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
				<p>MAKE McCAULEY                      MODEL 3AF32C508C  SERIAL NO. 050173  THE COMPONENT IDENTIFIED ABOVE WAS <del>REPAIRED</del> OVERHAULED  AND INSPECTED IN ACCORDANCE WITH CURRENT CIVIL AIR  REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO  SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE  AT THIS AGENCY UNDER WORK ORDER NUMBER 6115  DATE 02/03/09  SIGNED  FOR  FOSTER'S PROPELLER SERVICE, INC.  CERTIFICATE NO. F3PR014N  26650 HIGHWAY 62 BOYNTON, OK. 74422 PH. 918-733-2131</p>	
3 MAR 09		0 SMOH	Tach 1399-8		
		INSTALLED	this propeller (SN 050173)	ON LH POSITION	
		OF N214GK	SN 34-8633001.	Remup a ops check	
		NORMAL,	NO leaks.		
					 23860832AP

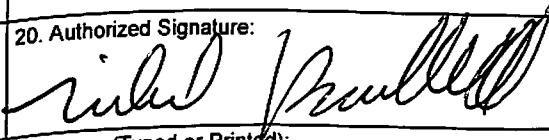
A-6917

1. Approving National Aviation Authority/Country: FAA/UNITED STATES	2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: AA 020309
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4. Organization Name and Address: AIRCRAFT ACCESSORIES OF OKLAHOMA INC. 2740 North Sheridan Tulsa, OK 74115	5. Work order/Contract/Invoice Number: 35912
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6. Item:	7. Description:	8. Part number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status / Work:
1	Governor	E3-7	N/A	1	5061SJ	OVERHAULED

13. Remarks: THE PART IDENTIFIED ABOVE WAS OVERHAULED IN ACCORDANCE WITH FAA APPROVED DATA. THERE ARE NO APPLICABLE AIRWORTHINESS DIRECTIVES. WORK ORDER SHOWING THE ACTUAL WORK PERFORMED IS ON FILE AT THIS FACILITY.

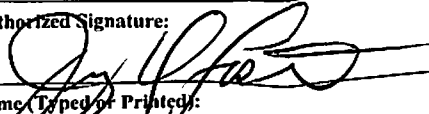
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulations specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
15. Authorized Signature	16. Approval Authorization No:	20. Authorized Signature: 	21. Approval Certificate Number: RV3R829L
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): RICHARD POPPLEWELL	23. Date: Feb. 3, 2009

**User/Installer Responsibilities**

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer insures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



1. Approving National Aviation Authority/Country: FAA/United States		2. <b>AUTHORIZED RELEASE CERTIFICATE</b> FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 6115	
4. Organization Name and Address: FOSTER'S PROPELLER SERVICE, INC. 26650 HIGHWAY 62 BOYNTON, OK. 74422					5. Work Order/Contract/Invoice Number: 6115 1 PAGE		
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	McCAULEY PROP	3AF32C508C	PIPER SENECA	1	050173	OVERHAULED	
13. Remarks: OVERHAUELD PROP PER S/M'S MPC500, BOM100R3 & SPM100R3. C/W ALL SB'S THROUGH SB227B AND ALL SL'S THROUGH SLO4-1 THAT APPLY. BLADE MODEL NUMBER G-82NFA-6 BLADE SERIAL NUMBERS YK26443, YK26446 & YK26448							
14. Certifies the items identified above were manufactured in conformity to:  <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13  Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature:		16. Approval/Authorization No.:	20. Authorized Signature: 		21. Approval/Certificate No.: F3PR014N		
17. Name (Typed or Printed):		18. Date (m/d/y):	22. Name (Typed or Printed): JERRY D. FOSTER		23. Date (m/d/y): 02/03/09		
<b>User/Installer Responsibilities</b>							
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>							

BLADE MODEL \_\_\_\_\_

## McCAULEY PROPELLER SYSTEMS

BLADE SERIAL NO. \_\_\_\_\_

## BLADE LOG CARD

DATE	TOTAL TIME	INSTALLED IN HUB MODEL/SERIAL NO.	AIRCRAFT TYPE & SERIAL NUMBER	MAINTENANCE & SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
7 JAN 09	586.4	since new	1398.8 HOURS	cleaned, painted & insp. for damage	
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT <u>1398.8</u> HRS. DATE <u>7 JAN 09</u> BY <u>Charles R. Miskup 232860832 AP</u> SPRINGFIELD FLYING SERVICE SPRINGFIELD, MISSOURI	
9 JAN 09	586.9		1399.3 HOURS	Removed propeller for overhaul	
					<u>Charles R. Miskup</u> <u>232860832 AP</u>



BLADE MODEL

G-82WFA-6

BLADE SERIAL NO.

YK26443

McCAULEY PROPELLER SYSTEMS

BLADE LOG CARD

DATE	TOTAL TIME	INSTALLED IN HUB MODEL/SERIAL NO.	AIRCRAFT TYPE & SERIAL NUMBER	MAINTENANCE & SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
7 Dec 06	277.8	Since new	1090.1 HOAS	cleaned, painted and inspected for damage	
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT <u>1090.1</u> HRS. DATE <u>7 Dec 06</u> BY <u>Charles R. White 23286032AP</u>	
				SPRINGFIELD FLYING SERVICE SPRINGFIELD, MISSOURI	
3 Dec 07	432.1	Since new	1244.4 HOAS	cleaned, painted and inspected for damage	
				I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT <u>1244.4</u> HRS. DATE <u>3 Dec 07</u> BY <u>Charles R. White 23286032AP</u>	

SPRINGFIELD FLYING SERVICE  
SPRINGFIELD, MISSOURI

A-6917

### PROPELLER ASSEMBLY LOG

DATE M/D/Y	TOTAL TIME	AIRCRAFT TYPE & MODEL	MAINTENANCE SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER

## LOGBOOK ENTRY

AIRFRAME       PROPELLER  
 ENGINE         APU

**WORK ORDER:** PWK2836  
**DATE:** 6/7/2005  
**TAIL NUMBER:** N214GK  
**AIRCRAFT S/N:** 34-8633001  
**TACH/HOBBS:** 812.3 H

**AIRCRAFT TT:** 2852.8  
**LANDINGS:** N/A  
**PROP. MODEL:** 3AF32C508-C  
**PROP. S/N:** 050173  
**PROP.TT/TT SMOH:** 000.0 TT

**North American**  
**JET**

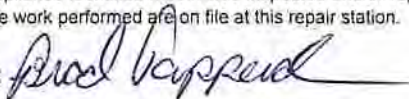
**MAINTENANCE, L.L.C.**  
 FAA CRS #CJ6R959H  
 1011 SOUTH WOLF ROAD  
 WHEELING, IL 60090  
 Phone (847) 808-0812  
 Fax (847) 520-1294

INSTALLED THIS NEW PROPELLER ON THE LEFT ENGINE OF N214GK WITH S/N: 34-8633001. GROUND RUN AND LEAK CHECKS WERE NORMAL. ALL WORK DONE I/A/W PIPER M/M REF: 61-10-00. \*\*END\*\*

The aircraft airframe, aircraft engine, or appliance identified herein was inspected and/or repaired I/A/W current Federal Aviation Regulations and is approved for return to service. Pertinent details of the work performed are on file at this repair station.

Date: 06-07-2005



Signed:



Brad Tappenden

for NORTH AMERICAN JET  
 MAINTENANCE, LLC  
 CRS#CJ6R959H

## PROPELLER ASSEMBLY LOG


DATE M/D/Y	TOTAL TIME	AIRCRAFT TYPE & MODEL	MAINTENANCE SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
				
		2803 North General Aviation Avenue Springfield, Missouri 65803	Phone: (417) 831-2772 Fax: (417) 831-4261	
		N214GK S/N: 34-8633001	Piper PA-34-220T TAT: 2954.0	02-08-2006 Hobbs: 913.5
			<b>**LEFT PROPELLER ENTRY**</b>	
			- C/W annual inspection IAW Piper PA-34-220T service manual.	
			- C/W <b>AD2005-14-11</b> (Southern California Propeller Service), N/A due to not being returned to service by Southern California Propeller Service of Inglewood, CA.	
			-----END-----	
			I certify this propeller has been inspected as per an annual inspection and was determined to be in an airworthy condition. This airframe / engine / propeller / appliance has been inspected and repaired in accordance with current FAA regulations and is approved for return to service. See our work order # 300777 for more details.	
			 Adam Kent—Chief Inspector—CRS#VE6R390H	

**PROPELLER ASSEMBLY LOG**

DATE M/D/Y	TOTAL TIME	AIRCRAFT TYPE & MODEL	MAINTENANCE SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
05/27/05		<b>Propeller S/N</b> 050173	<b>TSN</b> 0.0 <b>TSO</b> N/A	
		This propeller has been serviced as per the 8130-3 tag dated		
		<u>05/27/05</u> under Work Order <u>76210</u>		
		Aircraft Propeller Service, Inc.		
		Wheeling, Illinois		
		CRS EY2R811K	JAA.5126	



### PROPELLER ASSEMBLY LOG

DATE M/D/Y	TOTAL TIME	AIRCRAFT TYPE & MODEL	MAINTENANCE SERVICE HISTORY	SIGNATURE & CERTIFICATE NUMBER
MAR 07 2005	Ø	3AF32C508-C	THIS PROPELLER WAS MANUFACTURED	
		SN-050173	NEW AT McCAULEY PROPELLER SYSTEMS	
			INSPECTED AND FOUND TO BE AIRWORTHY	
			ON THIS DATE. MAR 07 2005	

# Aircraft Propeller Service, Inc.

290 Larkin Drive • Wheeling, Illinois 60090-6456  
(847) 541-1133 (800) 323-4130 • CRS EY2R811K  
FAX (847) 541-0176

## TEARDOWN/WO 0076210

05/27/05

## PO: 76210

Bill To: 13565

NORTH AMERICAN JET  
1011 S. WOLF ROAD  
WHEELING, IL 60090

Ship To:

NORTH AMERICAN JET  
1011 S. WOLF ROAD  
WHEELING, IL 60090

=====

Service Request: INSTALL DEICE      Aircraft: PA34      Engine: TSIO-360

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MCCAULEY PROPELLER	Serial No.	CHANGES	TSN	TSO/TSMI
Assy: 3AF32C508-C	050173		0.0	N/A
Hub : D5880/C508	050173		0.0	N/A
Bld1: 82NFA-6			0.0	N/A
Bld2: 82NFA-6			0.0	N/A
Bld3: 82NFA-6			0.0	N/A

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SHIP	Item/Description	Discrepancy	By
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1	L4E2303-10-3B		
	LABOR, DEICE INSTALLATION W/LEADS		
3	4E2303-10		
	DEICE BOOT		
	S/N: 2042		
	S/N: 2040		
	S/N: 2029		
3	RA2192-5		
	WIRE HARNESS		
3	A1635-5	EXPENDABLE	
	SCREW		
15	TY525M	EXPENDABLE	
	TY RAP (MS3367-1-9)		
1	P5085186-01		
	PROPELLER, 3AF32C508/82NFA-6		
	S/N: 050173		

PLACE AND RETAIN THIS WORK ORDER  
COPY ALONG WITH ITS MAINTENANCE  
RELEASE TAG IN THE AIRCRAFT RECORDS

The propeller or appliance identified above was repaired  
and inspected in accordance with current regulations of the  
Federal Aviation Administration and is approved for return  
to service. Pertinent details of this repair are on file at this  
Repair Station, on this order number, dated as shown above.

FOR AIRCRAFT PROPELLER SERVICE, INC.

BY:



Approving National Aviation  
Authority/Country:

FAA/UNITED STATES

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

76210

5. Work Order/Contract/Invoice Number:

76210 W/ATTACHED PAGE(S)

1 THRU 1 DATED May/27/2005

4. Organization — **AIRCRAFT PROPELLER SERVICE INC.**  
290 LARKIN DR. • WHEELING, IL 60090-6456 • 800-323-4130

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work
1	MCCAULEY PROPELLER	3AF32C508-C 82NFA-6	N/A	1	050173	MODIFIED


13. Remarks: **MODIFIED PER MANUAL 610915R7, 830415R5**

	Serial #	TSN	TSO/TSMI
COMPLIED WITH:	ASSY 050173	0.0	N/A
A/D NONE	Sub 050173	0.0	N/A
S/B NONE	B1d1	0.0	N/A
	B1d2	0.0	N/A
S/L NONE	B1d3	0.0	N/A

The Next Action Required on this Component is within 2000 HOURS OR  
72 MONTHS PER SB 137Z.

"Aircraft Propeller Service, Inc. certifies that the work specified in Blocks 12 and 13 was performed in accordance with EASA Implementation Rule part 145 approval, and with respect to that work, the aircraft component is considered ready for release to service under EASA approval number: 145.5126."

14. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.
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15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate No.: <b>EY2R811K</b>
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): <b>RICHARD WITSCHHEY, INSPECTOR</b>	23. Date (m/d/y): <b>May/27/2005</b>

### User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Approving National Aviation Authority/Country: <b>FAA/UNITED STATES</b>		<b>AUTHORIZED RELEASE CERTIFICATE</b> FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. System Tracking Ref. No. <b>05-0865</b>
4. Organization Name and Address: McCauley Propeller Systems 4800 Cargo Drive Columbus, Ga 31907					5. Work Order, Contract, or Invoice Number: <b>SS38172</b>	
Production Certificate 3						
6. Item:	7. Description:	8. Part Number:	9. Eligibility*:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
	Propeller Assembly	3AF32C508/82NFA-6 P5055186-01	PIPER SENECA II	1	050173	NEW
13. REMARKS  The above mentioned propeller assembly was found to meet type design requirements on Mar 7, 2005 "AIRWORTHINESS APPROVAL-PROPELLER, FOR DOMESTIC SHIPMENTS ONLY"						
14. Certifies the item identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13			<input type="checkbox"/> 14-CFR 42.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
15. Authorized Signature: 		16. Approval/Authorization No.: DMIR410251-CE	20. Authorized Signature:		21. Certificate Number:	
17. Name (Typed or Printed): Mel Tolle		18. Date (m/d/y): Mar 7, 2005	22. Name (Typed or Printed):		23. Date:	
<b>User/Installer Responsibilities</b>						
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.						
Where the user/installer performs works in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.						
Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.						
FAA Form 8130-3 (6-01)		*(Optional) Installer must cross check eligibility with applicable technical data			NSN 0052-00-012	