INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1041726
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 1/6/2005 15:57

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 1/06/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,254.5 A/F Tach: 3,145.2 Init EB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,317.6	3,317.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	983.2	3,032.9
B2D34C213	000908	PROPELLER ARROW	804.2	3,306.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	ELT Goes off during taxi, or when landing Resets OK	2560	1	Removed ELT 110-4 S/N 65043 and installed ELT 110-4 S/N 63610. Battery due 12/06 ELT insp due 10/05 G Switch test c/w and Status updated	2560	N	1/06	.5		EB	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature
Date 1-6-05

1. Approving National Aviation Authority/Country:	2.	3. Form Tra
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	ARTEX 16715 Page 1 of 1
4. Organization	Artex Aircraft Supplies, Inc. 14405 Keil Road Aurora, Oregon 97002 USA	5. ~~Work Order~~/Contract/Invoice Number: INVOICE: 0096912

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	ELT 110-4 Main Assembly	453-0150 Rev. P	N/A	1	63610	Repaired
2	Last Entry **********	**********	**********	**********	**********	**********

13. Remarks

Replaced G-switch (stuck) - MOD 14. Installed new battery pack. All work performed is recorded on Work Order A 11211. All work performed in accordance with ARTEX Repair Station Manual 570-2222 Rev. 12 (07 January 2004). Tested unit per specified operational parameters. Unit found to be in full compliance with specifications.

Note:Battery pack expires: DEC/2006

14. Certifies the items identified above were manufactured in conformity to:		19.	
☐ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in Block 13.		☑ 14 CFR 43.9 Return to Service ☐ 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.: JQ6R648N
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed): Gary J. Weiss	23. Date (m/d/y): 10/20/2004

User/Installer Responsibilities

It is important to understand that the existance 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 authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in block 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.

FAA Form 8130-3 (6-01) *Installer must cross-check eligibility with applicable technical data NSN: 0052-00-012-9005

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1041736
Mech: JEB
Shop Code: F
Equip Code: A
Opened: 1/7/2005 10:14

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 1/7/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp ____ In Progress Insp ____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,254.5 A/F Tach: 3,145.2 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,317.6	3,317.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	983.2	3,032.9
B2D34C213	000908	PROPELLER ARROW	804.2	3,306.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Static wick broken on R/H aileron.	2360	1	Replaced wick. A+P 502641606	2360	N	1/7	.5			JEB

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1041749
Mech: JEB
Shop Code: F
Equip Code: A
Opened: 1/10/2005 8:05

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 1/10/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,256.1 A/F Tach: 3,146.4 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,318.8	3,318.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	984.4	3,034.1
B2D34C213	000909	PROPELLER ARROW	906.4	3,307.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	ELT went off during flt.	25 60	1	Replaced ELT remote switch.	25 60	N	1 10	1.0		JEB	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 1-10-05

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1041800
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 1/11/2005 17:56

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l) SM
Date closed: 1/14/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Init In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,258.0 A/F Tach: 3,147.7 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,320.1	3,320.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	985.7	3,035.4
B2D34C213	000908	PROPELLER ARROW	806.7	3,309.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	ELT sounds when transmitting on ground. Cycled switch to shut off.	25/60	1	Researched history, removed ELT and inspected. Disassembled cabin interior panels and floor panels. Inspected wiring from ELT connector to remote connector. Ohmed wiring, no defects noted. Began reassembling cabin interior	2560	N	1/11	4.5		EB	
				~~4.5 MHE~~							
								4.5		DFS	
			2	Completed reassembly	2510	N	1/12	2.0		EB	
			3	Removed ELT 110-4 S/N 63610 and inst ELT 110-4 S/N 63039. Checked ELT, updated status rpts OK.	2560	N	1/14	1.0		EB	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1041800

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
2	Oil leak from back of oil pressure gauge.	7930	1	Tightened fitting, checks OK	7930	N	1/14	.2		EB	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R002N

Authorized Signature

Date 1/14/05

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Ref. No.
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	ARTEX 16718 RS Page 1 of 1
4. Organization: Artex Aircraft Supplies, Inc. 14405 Keil Road Aurora, Oregon 97002 USA		5. ~~Work Order/Contract~~/Invoice Number: INVOICE: 0096920

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	ELT 110-4 Main Assembly	453-0150 Rev. P	N/A	1	63039	Repaired
2	Last Entry **********	**********	**********	**********	**********	**********

13. Remarks

Replaced G-switch (sticks) - MOD 14. Installed new battery pack. All work performed is recorded on Work Order A 11226. All work performed in accordance with ARTEX Repair Station Manual 570-2222 Rev. 12 (07 January 2004). Tested unit per specified operational parameters. Unit found to be in full compliance with specifications.

Note:Battery pack expires: DEC/2006

14. Certifies the items identified above were manufactured in conformity to:

- ☐ Approved design data and are in condition for safe operation.
- ☐ Non-approved design data specified in Block 13.

19.
- ☑ 14 CFR 43.9 Return to Service
- ☐ 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.:
			JQ6R648N
17. Name (Typed or Printed):	18. Date:	22. Name (Typed or Printed):	23. Date (m/d/y):
		Gary J. Weiss	10/20/2004

User/Installer Responsibilities

It is important to understand that the existance 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 authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in block 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.

FAA Form 8130-3 (6-01)

*Installer must cross-check eligibility with applicable technical data

NSN: 0052-00-012-9005

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1041989
Mech: KHP
Shop Code: A
Equip Code: A
Opened: 1/19/2005 11:27

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 1/20/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,259.2 A/F Tach: 3,149.4 Init: BSS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,320.8	3,320.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	986.4	3,036.1
B2D34C213	000908	PROPELLER ARROW	807.4	3,309.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	ELT tx after landing @ GFK.	25/60	1	Built new harness for ELT from switch to ELT. Dissassembled interior blpholstery. Routed new harness from switch to ELT. Capped and tied up old harness. Ops checked ELT several times. ELT Ops checks good. Assembled upholstery.	25/60	N	1/19	4.0		BSS	
					25/60	N	1/20	4.0		BSS	
					25/60	N	1/20	2.5		KHP	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature
Date 1/20/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1042058
Mech: KHP
Shop Code: A
Equip Code: A
Opened: 1/23/2005 13:44

42058

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)

Date closed: 1/23/05

Customer: UND Acc#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,265.5 A/F Tach: 3,154.6 Init KHP

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,327.0	3,327.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	992.6	3,042.3
B2D34C213	000909	PROPELLER ARROW	813.6	3,315.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Static wick broken	23/60	1	Replaced Luke Peterson A&P 4777825847	23/60	N	1/23	.3		KHP	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1042134
Mech: BSS
Shop Code: F
Equip Code: A
Opened: 1/26/2005 13:20

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 1/27/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp KHP In Progress Insp KHP

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,271.7 A/F Tach: 3,157.3 Init BSS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,329.7	3,329.7
IO-360-C1C6	L46661A	ENGINE (ARROW)	995.3	3,045.0
B2D34C213	000908	PROPELLER ARROW	816.3	3,318.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	ELT went off after start-up.	25/60	1	Insp. wiring and ELT mounting bracket. Removed and replaced remote switch. OPs checked ELT in A/c. Applied ~~pow~~ external power to aircraft. Monitored ELT for 6 hours on 1/26 & 1/27. Subjected switch and ELT to vibration many times. ELT never activated.	25/60	N	1/26	3.0		BSS	KHP

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature
Date 1/27/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1042192
Mech: AMB
Shop Code: F
Equip Code: A
Opened: 1/27/2005 20:19

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 1/27/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MF In Progress Insp MF

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,274.8 A/F Tach: 3,159.7 Init AMB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,332.1	3,332.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	997.7	3,047.4
B2D34C213	000908	PROPELLER ARROW	818.7	3,321.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	L/H toe brake appears to be spongy	32 40	1	Bleed L/H brake op check good	32 40	N	1/27	.3		AMB	MF

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature
Date 1-27-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1042451
Mech: DMT
Shop Code: W
Equip Code: A
Opened: 2/7/2005 19:30

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 2-7-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,306.4 A/F Tach: 3,182.6 Init DM

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,355.0	3,355.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,020.6	3,070.3
B2D34C213	000908	PROPELLER ARROW	841.6	3,343.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	A/C required cleaning	12 20	1	Cleaned A/C as required	12 20	W	2-7	1.6		DM	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1042462
Mech: RMK
Shop Code: F
Equip Code: A
Opened: 2/8/2005 7:01

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 2-8-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND Acft Type: ARRO Model: PA28R-201 Bill Meter: 4,308.4 A/F Tach: 3,182.8 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,355.0	3,355.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,020.6	3,070.3
B2D34C213	000908	PROPELLER ARROW	841.6	3,343.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1.	PHASE 4 DUE	05 20	1		05 20	N	2/8	4.9			
2.	AD 2002-26-01 FUEL INJECTION LINES INSP DUE DATED 01/31/2003	0400	1	INSP & FOUND NO DEFECTS NEXT DUE @ 3257.6	0400	N	2/8	.2			

I certify that this aircraft has been inspected in accordance with Phase 4 inspection, including, as applicable a routine inspection of Fuselage empennage cabin, engine & landing gear and detailed inspection of Engine & propeller and was determined to be in airworthy condition, and is approved for return to service

Certified Repair Station OG5R092N

Authorized Signature

Date 2-8-05

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 5

Reg#: (N) 289 ND Work Order #: 1042462

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	#2 ROCKER COVER GASKET LEAKING	7230	1	REMOVED & REPLACED ROCKER COVER GASKET	7230	N	2/8	.2			
4	HEAT SHROUD BOOT TORN IN SEVERAL PLACES	7160	1	Removed & Replaced Boot	7160	N	2/8	.1			
5	#2 OIL RETURN LINE LEAKING	7920	1	TIGHTENED #2 OIL RETURN LINE	7920	N	2/8	.1			
6	#4 INTAKE LEAKING	7230	1	Removed and Replaced Gasket and O-Ring	7230	N	2/8	.5			

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 5

Reg#: (N) 286ND Work Order #: 1042462

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	EGT LINE ELECT LEAD	7/20	1	RE-ROUTED LINE	7/20	N	2/8	.1			
	RUBBING AGAINST BAFFLING										
8	ENGINE IDLE HIGH	7/10	1	ADJUSTED IDLE SPEED	7/10	N	2/8	.1			
9	AFT AIR CABLE LOOSE	7/60	1	Removed & Replaced	7/60	N	2/8	.5			
				Fitting & Stud, tightened							
				and Safetied. Ops checked good							
10	RT ML6 SCISSOR HAS	32/10	1	TIGHTEN & SAFETIED	32/20	N	2/8	.2			
	SOME PLAY			RT ML6							

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 5

Reg#: (N) 289ND Work Order #: 1002462

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
11	TAIL ~~TO~~ ANTENNA FOR NAV SUPPORT BRACKET BROKEN	2320	1	REMOVED & REPLACED SUPPORT BRACKET	2320	N	2/8	1.0			
12	ALL TIRE PRESSURES LOW	3240	1	SERVICED TIRES	3240	N	2/8	.3			
13	YOKES STICKY	2700	1	Cleaned & Lube	2700	N	2/8	.1			
14	PROP NICKED	6100	1	Dressed prop	6100	N	2/8	.4			

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1046262

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
15	INSP TIME	360	1	time	360	N	2/8	1.0			

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature

Date 2-9-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1042644
Mech: RMK
Shop Code: F
Equip Code: A
Opened: 2/12/2005 9:02

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 2/12/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp mns In Progress Insp mns

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,323.9 A/F Tach: 3,196.1 Init mns

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,368.5	3,368.5
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,034.1	3,083.8
B2D34C213	000908	PROPELLER ARROW	866.1	3,357.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Landing light Inop MEL	33-40	1	Removed + Replaced Lights Ops Checked Good Cleared MEL	33-40	N	2/12	.4			mns

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature Morgan R. Strot
Date 2/12/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO# 1043176
Mech: AMB
Shop Code: F
Equip Code: A
Opened: 3/1/2005 14:56

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)

Date closed: 3-1-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Inspection Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,392.3 A/F Tach: 3,249.4 Init AMB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,421.8	3,421.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,087.4	3,137.1
B2D34C213	000908	PROPELLER ARROW	908.4	3,410.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	phase I insp due	05/20	1		05/20	N	3/1	4.5		AMB	
							3/1	3.5		AMB	

I certify that this aircraft has been inspected in accordance with phase I inspection, including, as applicable a routine inspection of Propeller assembly & Landing Gear and detailed inspection of fuselage & Wing & Empennage and was determined to be in airworthy condition, and is approved for return to service

Certified Repair Station OG5R092N

Authorized Signature

Date 3-1-05

2	POH Rev. 12 due	25/10	1	installed POH Rev. 12	25/10	N	3/1	.1		AMB	

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 4

Reg#: (N) 289MP Work Order #: 104 3176

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	AD2002-26-01 fuel	04/00	1	inspected fuel injection	04/00	N	3/1	.1		AMB	
	injection line insp. due			lines							
	Rev date 1/31/03			Next due @ 3317.6							
4	Aft spar attach bolt	04/00	1	~~performed~~ AMB torque	04/00	N	3/1	.1		AMB	
	torque check Rev			checked good							
	date 12/21/04										
5	ELT "G" switch test	25/60	1	tested G switchops	25/60	N	3/1	.1		AMB	
	due Rev date 12/21/04			check good							

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 4

Reg#: (N) 289ND Work Order #: 1043176

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	L/H shoulder harness	25/10	1	Removed and Replaced	25/10	N	3/1	.2		AMB	
	Locking mechanism inop			shoulder harness							
7	R/H shoulder harness	25/10	1	Removed and Replaced	25/10	N	3/1	.2		AMB	
	Locking mechanism inop			shoulder harness							
8	jackscrew is worn	27/30	1	Removed & Replaced	27/30	N	3/1	.5		MA	
				Jackscrew and							
				Bushing.							

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 4

Reg#: (N) 289ND Work Order #: 10431/76

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	R/H Main Gear Door	32/10	1	Installed new safety	32/10	N	3/1	.1		AMB	
	link Bolt has broken			wire no defects noted							
	safety wire										
10	Co-pilots seat	25/10	1	installed seat springs	25/10	N	3/1	.5		AMB	
	springs Broken			ops check good							
11	Prop has Nick	61/00	1	dressed Prop	61/00	N	3/1	.4		CAB	
						N	3/1	.1		MAS	
12	INSP time	05/60	1	Time	05/60	N	3/1	.5			

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature

Date 3-1-05

1. ng National Aviation uthority/Country:	2.	3. Form Tracking Number.
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	**W179141-211740-4**

4. Organization Name and Address.	5. Work Order, Contract or Invoice Number:
Pacific Scientific P94R580N **AVIATION SERVICES COMPANY** **11700 NW 102nd ROAD** **SUITE 6** **MIAMI, FL 33178**	1014495

6. Item	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	REEL ASSEMBLY	1107447-13	N/A	47	N/A	REPAIRED

13. REMARKS

Unit was repaired IAW manufacturers approved data.

Technical Data Used
1107447 Rev: N Rev Date: 7/2/2001

SB A25-1124A HAS BEEN PREVIOUSLY COMPLIED WITH. (SHAFT REPLACEMENT)
PAC 452-680

14. Certifies the items identified above were manufactured in conformity to:	19 ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data 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/Certifcate No:
			P94R580N
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): MARTIN WEISS	23. Date (m/d/y): 10/11/2004

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 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.

Statement 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. ng National Aviation thority/Country:	2.	3. Form Tracking Number.
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	**W179141-211740-4**

4. Organization Name and Address.	5. Work Order, Contract or Invoice Number:
Pacific Scientific P94R580N **AVIATION SERVICES COMPANY** **11700 NW 102nd ROAD** **SUITE 6** **MIAMI, FL 33178**	1014495

6. Item	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	REEL ASSEMBLY	1107447-13	N/A	47	N/A	REPAIRED

13. REMARKS

Unit was repaired IAW manufacturers approved data.

Technical Data Used
1107447 Rev: N Rev Date: 7/2/2001

SB A25-1124A HAS BEEN PREVIOUSLY COMPLIED WITH. (SHAFT REPLACEMENT)
PAC 452-680

14. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 13

19 ☒ 14 CFR 43.9 Return to Service ☐ 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/Certifcate No:
			P94R580N
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): **MARTIN WEISS**	23. Date (m/d/y): 10/11/2004

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 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.

Statement 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.

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043332
Mech: KHP
Shop Code: A
Equip Code: A
Opened: 3/6/2005 15:21

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) SM
Date closed: 3/6/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp — In Progress Insp —

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,409.1 A/F Tach: 3,263.9 Init KHP

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,436.3	3,436.3
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,101.9	3,151.6
B2D34C213	000908	PROPELLER, ARROW	922.9	3,425.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Left pit.+ inop	23/10	1	Repaired wire near left yoke	23/10	N	3/6	.3		KHP	

[signature]
A# 477 782 584

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043616
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 3/17/2005 18:08

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt) _____

Date closed: 3/17/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,414.0 A/F Tach: 3,266.3 Init SB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,438.7	3,438.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,104.3	3,154.0
B2D34C213	000908	PROPELLER, ARROW	925.3	3,427.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Oil pressure red ~~7700~~ 7930 lined on take off roll.		1	Ran engine to normal temp, oil pressure OK Scott F Baker A&P 2856702	~~7700~~ 7930	N	3/17	.5		SB	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043625
Mech: DHT
Shop Code: F
Equip Code: A
Opened: 3/18/2005 9:26

OBTAIN ALL INITIALS BEFORE FILING

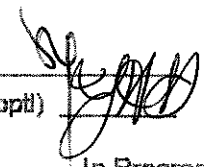
R/A
Parts (optl)
Date closed: 3/18/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp ____ In Progress Insp ____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,414.3 A/F Tach: 3,266.3 Init DHT

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,438.7	3,438.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,104.3	3,154.0
B2D34C213	000908	PROPELLER, ARROW	925.3	3,427.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	static wick broken on stabilator	23 60	1	Installed new static wick	23 60	N	3/18	.5		DHT	
				[signature] AP4727X6066							



INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043635
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 3/18/2005 17:41

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 3/18/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,418.7 A/F Tach: 3,269.6 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,442.0	3,442.0
IO-360-C1C6	L48651A	ENGINE (ARROW)	1,107.6	3,157.3
B2D34C213	000908	PROPELLER, ARROW	928.6	3,430.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Would not start	7200	1	Started normally	7200	N	3/18	.2			
				Scott F Baker							
				A&P 2856702							

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043756
Mech: SJC
Shop Code: F
Equip Code: A
Opened: 3/24/2005 11:54

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (opt) SMT
Date closed: 3/24/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MNS In Progress Insp MNS

N#: N299ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,441.9 A/F Tach: 3,299.0 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,460.4	3,460.4
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,126.0	3,175.7
B2D34C213	000908	PROPELLER, ARROW	947.0	3,449.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Alt failed in flight, alt light flickered ammeter went from 0 to 30 removed AIX 8521L$ S/N E030200	2400	1	confirmed zero amps - low volts - installed alternator AIX 8521R S/N E123377 ran - opr ckd O/K. cowled aircraft	2400	N	3/24	1.8	X	SOL	MNS

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature [signature]
Date 3/24/05

1. Approving National Aviation Authority/Country: FAA/UNITED STATES	2. **AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: E123377
4. Organization Name and Address: ***KELLY AEROSPACE POWER SYSTEMS, AIRPORT COMPLEX, FORT DEPOSIT, AL. 36032***		5. Work Order/Contract/Invoice Number: W/O: M728120

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	ALTERNATOR - OVERHAUL **********	ALX-8521 MOD/NO END **********	N/A **********	1	E123377	OVERHAUL

13. Remarks:

COPY OF WORK ORDER AVAILABLE ON REQUEST FROM KELLY AEROSPACE POWER SYSTEMS

CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER EASA.145.4418 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER UT2R226L. APPROVED FOR EXPORT

THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES IDENTIFIED AS MOD/NO AND ORIG. MFG

COMPLIES WITH PPS-9001 LATEST REVISION

NOTE: THE FAA-PMA SHOWN ON THE DATA PLATE ONLY REPRESENTS FAA APPROVAL OF THE REPLACEMENT DATA PLATE

OVERHAULED PER KELLY AEROSPACE OE-A2 MANUAL DATED 5/1/03.

THE FOLLOWING SERVICE BULLETINS & AD NOTES HAVE BEEN COMPLIED WITH ON ITEM 1:

SB ASM-8, ASM-9, ASM-15 & AD72-15-2

14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.		19. ☒ 14 CFR 43.9 Return to Service ☒ 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: *Stephanie Merriweather*	21. Approval/Certificate No: UT2R226L
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): **Stephanie Merriweather**	23. Date (m/d/y): 12/27/04

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 authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 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.

FAA Form 8130-3 (6-01) *Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

ESICODE: ALX-8521R

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043801
Mech: MRS
Shop Code: F
Equip Code: A
Opened: 3/26/2005 11:25

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 3/26/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MRS In Progress Insp MRS

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,448.4 A/F Tach: 3,293.1 Init MRS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,465.5	3,465.5
IO-360-C1C6	L46851A	ENGINE (ARROW)	1,131.1	3,180.8
B2D34C213	000908	PROPELLER, ARROW	952.1	3,454.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Static Wick Broken on R/H Flap	23.60	1	Removed + Replaced Static Wick	23.60	N	3/26	.5		MRS	MRS

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature Morgan R Ahrens
Date 3/26/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044069
Mech: AJG
Shop Code: W
Equip Code: A
Opened: 4/5/2005 17:32

OBTAIN ALL INITIALS BEFORE FILING

R/A AJG
Parts (opt) _____

Date closed: 4/5/05 AJG

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N288ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,472.9 A/F Tach: 3,312.3 Init AJG

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,484.7	3,484.7
IO-360-C1C6	L46661A	ENGINE (ARROW)	1,160.3	3,200.0
B2D34C213	000908	PROPELLER, ARROW	971.3	3,473.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Aircraft Required Cleaning	12 20	1	Cleaned + vacuumed Aircraft	12 20	N	4/5/05	1.0		AJG	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044040
Mech: MJP
Shop Code: W
Equip Code: A
Opened: 4/4/2005 16:49

OBTAIN ALL INITIALS BEFORE FILING

R/A SY
Parts (optl)
Date closed: 4/4/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp ____ In Progress Insp ____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,472.9 A/F Tach: 3,312.3 Init RDR

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,484.7	3,484.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,150.3	3,200.0
B2D34C213	000908	PROPELLER, ARROW	971.3	3,473.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	A/C required cleaning	12 20	1	A/C cleaned as required	12 20	N	4/4/05	0.7		RDR	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043984
Mech: CME
Shop Code: F
Equip Code: A
Opened: 4/2/2005 12:50

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l) OSH
Date closed: 4-2-05

Customer: UND Acct#: 1244-0519-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,467.4 A/F Tach: 3,308.0 Init CME

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,480.4	3,480.4
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,146.0	3,195.7
B2D34C213	000909	PROPELLER, ARROW	967.0	3,469.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	L/S tire bad	32 40	1	Replaced worn L/S tire	32 40	N	4/2	.4		CME	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 4-2-05

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Num
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	4238N/282

4. Organization	5. Work Order, Contract, Invoice or Pick No:
Michelin Aircraft Tire Corp. 515 Michelin Road, Building 56 Greenville, SC 29602 Michelin Aircraft Tyre – Siam Tyre Industry Co.,Ltd. 57 Moo 6 Nongplakradee Rd., Nongplamore, Nongkhae, Saraburi 18140	DIDS4238N14 0 Page Attached

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	6.00-6/6/120 Aircraft Tire	072-314-0	TSO Article N/A	1	4235W00251	New

13. Remarks. :

DIRECT SHIPMENT AUTHORIZATION

Limited life parts must normally be accompanied by maintenance history including total time/total cycle/time since new.

14. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block

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:
M. Anant Renseb	DMIR 511126 CE	NA	NA
17. Name (typed or printed):	**18. Date:**	**22. Name (typed or printed):**	**23. Date:**
M. Anant Renseb	26-Aug-04	NA	NA

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 authority accepts part/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.

FAA Form 8130-3 (6-01) *Installer must cross check eligibility with applicable technical data. NSN: 0052-00-012-9005

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1043854
Mech: AMB
Shop Code: F
Equip Code: A
Opened: 3/28/2005 15:47

OBTAIN ALL INITIALS BEFORE FILING

R/A 84
Parts (opt) 55

Date closed: 3-31-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MSB In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,455.0 A/F Tach: 3,298.2 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,470.6	3,470.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,136.2	3,185.9
B2D34C213	000908	PROPELLER, ARROW	957.2	3,459.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	flaps do not lock in place when airborne	27 50	1	Removed and Replaced flap handle pivot bolt and flap handle bracket assembly ops check good	27 50	N	3/28	2.5		AMB	MSB
2	landing light inop	33 40	1	Removed and Replaced landing light ops check good	33 40	N	3/28	.2		AMB	MSB
3	Crew door has crack on skin under lower hinge	52 10	1	Removed door from aircraft and Removed lower hinge from door	52 10	N	3/28	.6		AMB	MSB
			2	Fabricated Patch out of like material as door skin	52 10	N	3/29	2.5			MSB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 43854

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	Crack		3	Riveted Patch onto door IAW AC43.13-1B Chp 4-Sec 4 Para 4-57 after Alodining	02-10	N	3/30	2.0		[signature]	[signature]
			4	Installed door	57-10	N	3/31	.5		[signature]	[signature]

I certify the aircraft airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG6[redacted]92N.

Authorized Signature [signature]

Date 3-31-09

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044083
Mech: SJR
Shop Code: F
Equip Code: A
Opened: 4/6/2005 7:00

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 4/6/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MRB In Progress Insp MNS

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,472.9 A/F Tach: 3,312.3 Init SJR

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,484.7	3,484.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,150.3	3,200.0
B2D34C213	000908	PROPELLER, ARROW	971.3	3,473.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1.	Phase 2 Insp due Compressions #1 75/80 #2 73/80 #3 74/80 #4 75/80	05 20	1	I certify that this aircraft has been inspected in accordance with Phase 2 inspection, including, as applicable a routine inspection of Cabin, Fuselage, Empennage, Wings, Landing Gear and detailed inspection of Engine and Propeller and was determined to be in airworthy condition, and is approved for return to service Certified Repair Station OG5R092N Authorized Signature Date	05 20	N	4/6	5.0		SJR	MNS
2.	SB 565 Fuel pump Insp 2/21/05	05 20	1	Inspected pump N/A by Code	05 20	N	4/6	.1		SJR	MNS
3.	AD 2002-26-01 Fuel Inj lines Insp 1/31/03	04 00	1	Inspected Inj Lines No defects Noted Next due @ 3377.6	73 10	N	4/6	.1		SJR	MNS

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 44083

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
4.	SB UND 6 Cabin	05 20	1.	Repositioned Safety	26 20	N	4/6	.2		Sm	MNS
	Fire Ext Check			Pin and Installed							
	3/18/05			New Seal + weighed							
5.	Induction Air Filters	71 00	1.	Installed New filter	71 00	N	4/6	.2		Sm	MNS
	due			Next due @ 3512.3							
6.	Aft Spar attach bolt	57 40	1	Performed Aft Spar	57 40	N	4/6	.3		[illegible]	MNS
	torque Check			bolt torque check							
				No defects noted							
				Torque check good							

INSPECTION SUPPLEMENT AND WORK ORDER

Work Order #: 44083

Reg#: (N) 289ND

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7.	Left mag due time Change P/N 4372 L S/N 00121493	74/10	1	Removed and Replaced MAG Internally timed and timed to Eng Specs P/N 4372 S/N 03021018	74/10	T	4/6	.7		Sm	MNS
8.	Right mag due time Change P/N 4370 S/N 03040771	74/10	1	Removed and Replaced Mag and Internally timed & Timed to Eng Specs P/N 4370 S/N 03092313	74/10	T	4/6	.7		Sm	MNS
9.	Winter plate needs to be Removed	71/70	1	Removed winter plate	71/70	N	4/6	.1		Sm	MNS

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 44083

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
10.	Cabin Door Lower Hinge Rivets pulling out	52/10	1	Drilled out rivets; installed screws & nuts	52/10	N	4/6	.3		Jon	MMS
11.	Prop Nicked	6/00	1	Dressed prop	6/00	N	4/6	.3		Jon	MMS
12.	Air Filter A/F placard coming off.	~~11~~/10	1	Removed and Replaced tape to hold placard on	~~11~~/10 Jon	N	4/6	.2		Jon	MMS

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 44083

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
13.	Insp Time	05/60	1	Insp. Time for Billing	05/60	N	4/6	1.5		mms	mms
				I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service Certified Repair Station OG5R092N.							
				Authorized Signature Morgan R Strot							
				Date 4/6/06							

INSPECTION SUPPLEMENT AND WORK ORDER

School of Aerospace Sci.
ity of North Dakota
Forks Intl. Airport
Andrews Field
nd Forks, ND 58202
pair Station# OG5R092N

WKO#: 1039776
Mech: KHP
Shop Code: X
Equip Code: I
Opened: 10/13/2004 8:00

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt) _____
Date closed: 10/13/04

Customer: UND Acct#: 0700-8261-801 Preliminary Insp KHP In Progress Insp KHP

N#: AcftType: Bill Meter: A/F Tach: Init KH

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Repair magneto	74/10	1	Replaced bearings	74/10	N	10/13	2.0		KHP	KH
	Total time 1078.6			points and brush.							
				Timed and tested							
	4370R			for two hours							
	SN 02092313			unit tests OK							

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature [signature]
Date 10/13/04

PARTS INCOMING INSPECTION

Date Rec'd 10/13/04 Clerk JS
PO #/Batch # OR#1015174
Inspected by
Date App'd Clerk
Inv #

INSPECTION SUPPLEMENT AND WORK ORDER

ool of Aerospace Sci.
North Dakota
s Intl. Airport
ews Field
orks, ND 58202
Station# OG5R092N

WKO#: 1043495
Mech: DPS
Shop Code: X
Equip Code: I
Opened: 3/11/2005 16:29

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 3-22-05

omer: UND Acct#: 0700-8261-801 Preliminary Insp KHP In Progress Insp KHP

AcftType: Bill Meter: A/F Tach: Init

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Time change TSOH 605.6 P/N 43728 S/N 03021018	74/10	1	Replaced bearings, points, and brush. Cleaned, timed, and tested. Mag ops checks good.	74/10	N	3/21	1.8		DPS	KHP
					74/10	N	3/22	.2		DPS	KHP

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 3/23/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044267
Mech: JEB
Shop Code: F
Equip Code: A
Opened: 4/13/2005 11:50

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 4/13/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,488.4 A/F Tach: 3,323.9 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,496.3	3,496.3
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,161.9	3,211.6
B2D34C213	000908	PROPELLER, ARROW	982.9	3,485.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Alt. inop annunciator illuminated.	24 30	1	Replaced alt. inop fuse holder. Joseph Rutten A4P5026 41606	24 30	N	4/13	1.5			JEB

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044619
Mech: CME
Shop Code: F
Equip Code: A
Opened: 4/26/2005 15:04

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 4/27/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Init In Progress Insp Init

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,548.2 A/F Tach: 3,367.7 Init CME

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,540.1	3,540.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,205.7	3,255.4
B2D34C213	000908	PROPELLER, ARROW	1,026.7	3,529.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Phase 3 inspection	05 20	1	began phase 3 insp	05 20	N	4/26	3.0		AMB	
	Due					N	4/26	2.0		MDE	
			1	phase 3 complete		N	4/27	1.0		AMB	
2	SB1156NLG Drag linkbolt replacement due Rev 4/7/05	04 00	1	Removed and Replaced linkbolt	0400	N	4/26	.3		AMB	

I certify that this aircraft has been inspected in accordance with Phase 3 inspection, including, as applicable a routine inspection of engine propeller cabin fuselage empennage and detailed inspection of wings landing gear and was determined to be in airworthy condition, and is approved for return to service.

Certified Repair Station OG5R092N

Authorized Signature Andrew M. Berg

Date 4/27/05

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 6

Reg#: (N) 289 Work Order #: 1044619

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	SB CAN 7 Rib crack inspection due Rev 3/31/05	04 00	1	Inspected found ~~left~~ Right Rib Cracked. Stop drilled R/H Rib F.A.W Piper letter dated March 24, 2005 next due @ 3377	04/00	N	4/26	1.5		CMS	
4	SL 1082 Wing aft spar bolt tourque check due Rev 3/30/05	04 00	1	bolt torque check due AMB complete	04 00	N	4/26	.1		AMB	
5	AD 2002-26-01 fuel Inj lines Insp due Rev 1/31/03	04 00	1	inspected fuel injection lines no defects noted next due @ 3437.6	04 00	N	4/26	.1		AMB	

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 6

Reg#: (N) 289 ND Work Order #: 1044619

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	L/H mag neto due for	05 20	1	Removed & Replaced	74 10	T	4/26	.4		CAB	[illegible]
	change P/N 4372R			w/ ~~new~~ Repaired Mag &			4/26	.1		AMB	[illegible]
	S/N 03021018			timed opscheckgood L/H mag							
				Part# 4372R							
				S# 03072174							
7	prop has nicks	61 00	1	dressed prop	61 00	N	4/26	.3		AMB	[illegible]
8	#3 intake gasket is	72 30	1	Removed and Replaced	72 30	N	4/26	.3		MDE	[illegible]
	leaking			intake gasket			4/26	.1		AMB	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 6

Reg#: (N) 239ND Work Order #: 1044619

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	Lwr cowl R/H pin	71/10	1	Removed and Replaced	71/10	N	4/26	.1		CME	
	Receptacle is worn			Receptacle							
10	R/H pin on upper	71/10	1	Removed and Replaced	71/10	N	4/26	1.0		AMP	
	cowl is worn			cowl pin							
11	~~Right~~ MDE ~~Left~~ main tire is	32/40	MDE	removed and replaced	32/40	N	4/26	.3		MDE	
	flat spotted			right main tire			4/26	.1		AMB	

INSPECTION SUPPLEMENT AND WORK ORDER Page 5 of 6

Reg#: (N) 289 ND Work Order #: 104619

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
12	Brake disc on ~~left~~ MDE Right main	32 40	1	removed and replaced brake	32 40	N	4/26	.3		MDE	
	gear is worn			disc on right main gear			4/26	.1		AMB	
13	L/H aft aileron pulley	27 10	1	removed and replaced L/H	27 10	N	4/26	.4		MDE	
	at wing root is flat spotted			aileron pulley at wing root			4/26	.1		AMB	
14	outboard bearing on right	32 40	1	removed and replaced	32 40	N	4/26	.3		MDE	
	main gear is worn			outboard bearing on right			4/26	.1		AMB	
				main gear							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 44619

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
15	Wing Ding needs	57-20	1	Installed Wing Ding	57-20	N	4/27	.5		MS	SD
	to be installed			as per STCSA107550							
				and completed 337.							
16	inspectors time	05 60	1	Time	05/60	N	4/27	.5			

I certify the aircraft ~~airframe~~, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature

Date 1-27-05

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	**4276N/280**

4. Organization		5. Work Order, Contract, Invoice or Pick No:
Michelin Aircraft Tire Corp. 515 Michelin Road, Building 56 Greenville, SC 29602	Michelin Aircraft Tyre – Siam Tyre Industry Co.,Ltd. 57 Moo 6 Nongplakradee Rd., Nongplamore, Nongkhae, Saraburi 18140	**DIDS4276N5** 0 Page Attached

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	**6.00-6/6/120** Aircraft Tire	**072-314-0**	TSO Article N/A	1	**4274W00313**	New

13. Remarks. :

DIRECT SHIPMENT AUTHORIZATION

Limited life parts must normally be accompanied by maintenance history including total time/total cycle/time since new.

14. Certifies the items identified above were manufactured in conformity to:	19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block
☒ Approved design data are in a condition for safe operation. ☐ Non-approved design data 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:
	DMIR 511126 CE	NA	NA
17. Name (typed or printed):	18. Date:	22. Name (typed or printed):	23. Date:
M. Anant Renseb	**04-Oct-04**	NA	NA

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 authority accepts part/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.

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No.2120-0020

For FAA Use Only

Office Identification

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make: New Piper	Model: PA-28R-201
	Serial No.: 2844039	Nationality and Registration Mark: N289ND
2. Owner	Name (As shown on registration certificate): University of North Dakota	Address (As shown on registration certificate): PO Box 9007, Grand Forks, ND 58202-9007

3. For FAA Use Only

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	*(As described in item 1 above)*				X
POWERPLANT					
PROPELLER					
APPLIANCE	Type / Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
JDO School of Aerospace Sciences Grand Forks Intl. Airport Mark Andrews Field Grand Forks, ND 58203	[ ] U.S. Certificated Mechanic [ ] Foreign Certificated Mechanic [X] Certificated Repair Station [ ] Manufacturer	OG5R092N

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date	Signature of Authorized Individual
4/27/05	Morgan R. Stroh — Morgan R. Stroh

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [✓] APPROVED [ ] REJECTED

BY								
	[ ]	FAA Flt. Standards Inspector	[ ]	Manufacturer	[ ]	Inspection Authorization	Other *(Specify)*
	[ ]	FAA Designee	[X]	Repair Station	[ ]	Person Appoved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
4/27/05	OG5R092N	Stephen J. Carpenter

FAA Form 337 (12-88)

United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA1075SO

This certificate issued to William J. Stephenson

certifies that the change in the type design for the following product with the limitations and conditions thereof as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.

Original Product—Type Certificate Number: 2A13

Make: Piper

Model: PA-28-151, PA-28-161, PA-28-181, PA-28R-200, PA-28R-201, PA-28-235, and PA-28R-201T

Description of Type Design Change:

"Wing-Ding" door stop to be installed using existing screws (Piper P/N 415 309, MS27039-0809) on leading edge of right wing at inboard side of fuel cell (W.S. 57.00).

Limitations and Conditions: This approval applies to the above listed models and should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined by the installer that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse affect upon the airworthiness of that aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: February 8, 1979

Date issued:

Date of issuance: May 18, 1979

Date amended:

By direction of the Administrator

Francis C. Rock

FRANCIS C. ROCK, (Signature) Acting Chief, Engineering and Manufacturing Branch Flight Standards Division

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044474
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 4/19/2005 19:50

OBTAIN ALL INITIALS BEFORE FILING

R/A 04
Parts (opt) _____
Date closed: 4/19/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,517.3 A/F Tach: 3,346.1 Init SB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,518.5	3,518.5
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,184.1	3,233.8
B2D34C213	000908	PROPELLER, ARROW	1,005.1	3,507.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Left mag drop 300 RPM	7410	1	Replaced #4 cyl bottom spark plug, Ops ck good Scott F Baker A&P 2856702	7420	N	4/19	.4		SB	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044729
Mech: JDL
Shop Code: F
Equip Code: A
Opened: 5/2/2005 15:08

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 5-2-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Init In Progress Insp Init

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,560.4 A/F Tach: 3,376.6 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,549.0	3,549.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,214.6	3,264.3
B2D34C213	000908	PROPELLER, ARROW	1,036.6	3,537.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	SB UND 7	04 00	1	Insp. R/H wing rib	04 00	N	5/2	1.5			
	Rib crack insp.,			crack at WS 49.25			5/2	1.5			
	due for R/H Rib			for crack growth, NO							
	cracked at 3367.7			crack growth found at							
	Tach. Time			this time, next due							
	effective date			for insp. at 3386.6 for							
	3-31-05			second 10-hour insp. as							
				advised by Piper							
2	Landing Light	33 40	1	Replaced landing	33 40	N	5/2	.5			
	is Inop.			light, ops check good							

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature
Date 5-2-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044796
Mech: NRK
Shop Code: W
Equip Code: A
Opened: 5/4/2005 17:32

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt) _____
Date closed: 5/4

Customer: UND Acc#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N288ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,573.3 A/F Tach: 3,386.5 Init NRK

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,558.9	3,558.9
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,224.5	3,274.2
B2D34C213	000808	PROPELLER, ARROW	1,046.6	3,647.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	A/C needs washed	12 20	1	washed A/C	12 20	N	5/4	1.0		NRK	
							5/4	1.0		NSP	
							5/4	1.0		MSP	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1044809
Mech: ADC
Shop Code: F
Equip Code: A
Opened: 5/5/2005 7:07

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 5-5-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,573.3 A/F Tach: 3,386.5 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,558.9	3,558.9
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,224.5	3,274.2
B2D34C213	000908	PROPELLER, ARROW	1,046.5	3,547.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	UND SB'7 init check inspections due	05/50	1	Inspected IAW SB UND 7 Next due @ 3427.6	57/10	N	5/5	.2			

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature
Date 5-5-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1045191
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 5/24/2005 22:12

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 5/24/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,614.4 A/F Tach: 3,418.5 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,590.9	3,590.9
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,266.5	3,306.2
B2D34C213	000908	PROPELLER, ARROW	1,077.5	3,579.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Very loud intermittent popping sound from battery compartment. Noise continued with battery master on	2570	1	Repaired strobe wire, checks OK	3340	N	5/24	1.0			

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 5/24/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1045203
Mech: DMT
Shop Code: W
Equip Code: A
Opened: 5/25/2005 14:39

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l) SM

Date closed: 5-25-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,617.2 A/F Tach: 3,420.8 Init DMT

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,593.2	3,593.2
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,258.8	3,308.5
B2D34C213	000908	PROPELLER, ARROW	1,079.8	3,582.1

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	A/C received cleaning	12 20	1	Cleaned A/C as received	12 20	N	5-25	9.5		DMT	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1045316
Mech: AMB
Shop Code: F
Equip Code: A
Opened: 6/1/2005 15:22

OBTAIN ALL INITIALS BEFORE FILING

84

R/A [signature]
Parts (optl) _____
Date closed: 6/01/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,627.0 A/F Tach: 3,428.5 Init AMB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,600.9	3,600.9
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,266.5	3,316.2
B2D34C213	000908	PROPELLER, ARROW	1,087.5	3,589.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Battery is weak	2400	1	Removed, charged, reinstalled battery. Acft started normally, charging system indicated normally	2400	N	6/01	.4		SB	
				Scott F Baker A&P 2856702							

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO# 1045207
Mech: RWS
Shop Code: F
Equip Code: A
Opened: 5/25/2005 15:10

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 5-27-05

Customer: UND Acct#: 1244-0519-471 Preliminary Insp Inspection In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,617.2 A/F Tach: 3,420.8 Init RWS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,593.2	3,593.2
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,258.8	3,308.5
B2D34C213	000908	PROPELLER, ARROW	1,079.8	3,582.1

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Phase 4 inspection	05 20	1		05 20	N	5/25	6.5		RWS	
	due					N	05/25	4.0		DCJ	
				I certify that this aircraft has been inspected in accordance with a Phase 4 inspection, including, as applicable a routine inspection of Cabin Empennage Wings Landing Gear, and detailed inspection of Engine, Propeller and was determined to be unairworthy and a list of discrepancies and unairworthy items follows by problem description number: 1 5. Certified Repair Station OG5R092N. Authorized Signature [signature]. Date 5-25-05						
2	SB UND 7 R.b	07 00	1	Inspected IAW SB UND 7 # 7 no cracks found 3607.9	07 00	N	5/25	.3		RWS	
	Crack inspection due										
	Dated 4-1-05			Next Due: 3487.6 mins							

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 9

Reg#: (N) 289ND Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	AD2002-26-01 Fuel injection lines inspection due Dated 1-31-05	04 00	1	Inspected DAW SB 342E no defects found next Rec: 3497.6	04 00	N	5/25	.1		RWS	
4	Rivets missing on Right rear wheel door	32 20	1	Replaced 2 Rivets on door	32 20	N	5/25	.2		RWS	
5	left cowl Bushing worn	71 10	1	Replaced cowl Bushing	71 10	N	5/25	.2		RWS	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	Cabin door seal is torn	52 10	1	Repaired cabin door seal with 1300 adhesive	52 10	N	05/25	.2		DLJ	
							5/25	.1	1	RWS	
7	Prop is nicked	61 00	1	dressed prop	61 00	N	05/25	3		DLJ	
							5/25	.1		RWS	
8	Sticky yoke	27 10	1	Cleaned Yokes	27 10	N	05/25	.1		DLJ	
							5/25	.1		RWS	

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 9

Reg#: (N) 289ND Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	Left Brake linings worn	32 40	1	Replaced linings	32 40	N	5/25	2		Rws	
10	Engine control quadrant cover Broken	76 00	1	Removed and Replaced Engine control quadrant	76 00	N	05/25	.3		Dcf	
							5/25	.1		Rws	
11	screw loose on cabin door holder	52 10	1	Tightened screw	52 10	N	5/25	.1		GB	

INSPECTION SUPPLEMENT AND WORK ORDER Page 5 of 9

Reg#: (N) 289NW2 Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
12	inner Baffle missing on fwd muffler PN: 18259 PN: 67517-00R	7820	1	Removed and replaced fwd muffler. new PN: 67517 SN 19653	7820	T	05/25	.5		DCF	
						T	5/25	.1		RWS	
13	lack cable loose at engine	7710	1	Tightened housing	7710	N	5/25	.2		EB	
14	nut missing on alternator ground wire	2400	1	Installed correct hardware	2400	N	5/25	.2		EB	

INSPECTION SUPPLEMENT AND WORK ORDER Page 6 of 9

Reg#: (N) 289 ND Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
15	Intake hose clamp	71/20	1	Polished out rub mark	71/20	N	5/27	3.5		Jm	
	Rubbing on left			primed and repainted.							
	side of engine			Positioned hose clamp away							
	mount			from mount. Reinstalled							
				cowling.							
16	aft muffler is	78/10	1	tightened muffler	78/10	N	5/25	.2		RWS	
	loose on stacks										

INSPECTION SUPPLEMENT AND WORK ORDER Page 1 of 9

Reg#: (N) 289ND Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
17	Prop control is very stiff	76/10	1	lubed prop control	76/10	N	5/25	.1		RWS	
18	fwd Right Exhaust stack was stuck in muffler	78/10	1	removed and replaced fwd Right exhaust stack	78/10	N	5/25	.3		DCT	
							5/25	.1		RWS	
19	Heat shroud Boot is torn	71/60	1	Replaced Boot	71/60	N	5/25	.1		RWS	

INSPECTION SUPPLEMENT AND WORK ORDER Page 9 of 9

Reg#: (N) 289ND Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
20	aft alternate Bolt loose	24/20	1	tightened aft alt Bolt	24/20	N	5/25	.2		AMB	
21	Prop control Rod end worn at Governor	76/10	1	Replaced Rod End	76/10	N	5/25	.2		RMM	
22	nose gear warning light insop	32/60	1	removed and Replaced nose gear warning light bulb ops check good	32/60	N	5/25 5/25	.1 .1		DCF RWS	

INSPECTION SUPPLEMENT AND WORK ORDER Page 9 of 9

Reg#: (N) 289ND Work Order #: 1045207

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
23	Inspection Time	05 60	1	Time	05/60	N	5/05	.5			
				I certify the ~~aircraft airframe~~, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. ~~Certified Repair Station QQ5R092N~~ Authorized Signature Date 5-27-05							

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	79088

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number
Aerospace Welding, Inc. 12124 12th Avenue South Burnsville MN 55337	79088

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	STACK	67809-00	N/A	1 each	AWI 79088	REPAIRED

13. Remarks:

REF: WORK ORDER #79088.

14. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 13.

19. ☒ **14 CFR 43.9 Return to Service** ☐ **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.:
			UWDR792L
17. Name (Typed or Printed):	**18. Date:**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
		Craig Skunberg	10/8/2004

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 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.

FAA Form 8130–3 (6–01) *Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

AEROSPACE WELDING MINNEAPOLIS, INC.

12124 12th Ave. South, Burnsville, MN 55337 952-890-1511

FAA Repair Station #UWDR792L

Form 100

NAME: UND AEROSPACE	S/N AWI: 79088	Job: 7163	
ADDRESS: PO BOX 9007	CITY: GRAND FORKS ND 58202-9007	INSPECTION	Preliminary Date: 10/8/2004 CS
Make & Model: PIPER 28R-200	Part Number: 67809-00		Hidden Damage Date: 10/8/2004 CS
Unit Description: RF STACK 200			In Progress Date: 10/8/2004 CS
Registration No.			Final Date: 10/8/2004 CS

CUSTOMER SERVICES REQUESTED

Discrepancies Noted:

☐ OUTERSHELL	☐ BALL JOINT	☐ BELLOWS
☐ OVERBOARD	☐ BELL JOINT	☐ HEAT FINS
☐ BAFFLE	☐ INLAY	☐ STRAIGHT TUBE
☐ END PLATE	☐ OVERLAY	☐ BRACKET
☐ SHROUD RING	☐ INLET EXTENSION	☑ BOLT FLANGE
☐ BEADED END	☑ RISER TUBE	☐ TOP TUBE
☐ TAB	☐ FLANGE	☐ CRACK WELD
☐ SHAFT	☐ TAILPIPE	☑ SLIP JOINT
☐ BUTTERFLY	☐ FLOW DIVIDER	☐ ELBOW
☐ CLEAN & INSP.	☐ BODY	☐ SKIN
☐ _____	☐ _____	☐ _____

INSPECTOR'S INITIALS CS

Corrective Action: **ITEMS REPLACED OR REPAIRED**

REPL	REPR		REPL	REPR		REPL	REPR	
☐	☐	OUTERSHELL	☐	☐	BALL JOINT	☐	☐	BELLOWS
☐	☐	OVERBOARD	☐	☐	BELL JOINT	☐	☐	HEAT FINS
☐	☐	BAFFLE	☐	☐	INLAY	☐	☐	STRAIGHT TUBE
☐	☐	END PLATE	☐	☐	OVERLAY	☐	☐	BRACKET
☐	☐	SHROUD RING	☐	☐	INLET EXTENSION	1	☐	BOLT FLANGE
☐	☐	BEADED END	1	☐	RISER TUBE	☐	☐	TOP TUBE
☐	☐	TAB	☐	☐	FLANGE	☐	☐	CRACK WELD
☐	☐	SHAFT	☐	☐	TAILPIPE	1	☐	SLIP JOINT
☐	☐	BUTTERFLY	☐	☐	FLOW DIVIDER	☐	☐	ELBOW
☐	☐	CLEAN & INSP.	☐	☐	BODY	☐	☐	SKIN
☐	☐	_____	☐	☐	_____	☐	☐	_____

INSPECTOR'S INITIALS CS

Material Type	***Approved Data***
☑ 347 SS FILLER ROD	☑ 43.13-1B
☑ 321 SS	☐ MANUFACTURER'S MANUAL
☐ 4130 CHROMALLY	☐ AIR CARRIER'S MANUAL
☐ 4130 ROD	
☐ INCONEL	
☐ INCONEL ROD	
☐ _____	☐ _____
☐ _____	

☑ REPAIRS	☑ ELBOW	☐ _____	☐ _____
☑ A.D. NOTES	☐ DIE PENETRANT	☐ CORROSION PROTECT NEW TUBE	☐ _____
☑ PRESSURE TEST	☐ DEMAGNETIZE	☐ PRIMER COAT	☐ _____

MAINTENANCE RELEASE

The aircraft/component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for Return to Service. Pertinent details of the repair are on file at this agency.

AUTHORIZED AND CONDITIONS AGREED TO AS STATED ABOVE

BY _____ DATE 10/8/2004

~~INSPECTION SUPPLEMENT AND WORK ORDER~~ Page 1 of 1

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1045263
Mech: RMK
Shop Code: F
Equip Code: A
Opened: 5/30/2005 18:26

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)
Date closed: 5-30-05

Customer: UND Acc#: 1244-0518-471 Preliminary Insp Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,619.0 A/F Tach: 3,422.0 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,594.4	3,594.4
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,260.0	3,309.7
B2D34C213	000908	PROPELLER, ARROW	1,081.0	3,583.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1.	STALL WARNING HORN INOP	3/40	1	PERFORMED OPS CK SYSTEM FUNCTIONAL CK GOOD	3/40	N	5/30	.5	X		

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature
Date 5-30-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1045748
Mech: SJC
Shop Code: F
Equip Code: A
Opened: 6/21/2005 12:36

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) _____
Date closed: 6/21/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,667.4 A/F Tach: 3,459.9 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,632.3	3,632.3
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,297.9	3,347.6
B2D34C213	000908	PROPELLER, ARROW	1,118.9	3,621.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Stall warning horn didn't work & found during preflight	3010	1	stall horn audible when lift detector actuated	3010	N	6/21	.1		SOR	
2	Landing lt MEled	3340	1	replaced landing lt opr OK	3340	N	6/21	.5		SOR	

[signature]
A&P 502767224

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1045757
Mech: AMB
Shop Code: F
Equip Code: A
Opened: 6/21/2005 16:17

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 6/21/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,667.4 A/F Tach: 3,459.9 Init: AMB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,632.3	3,632.3
IO-360-C1C6	L46851A	ENGINE (ARROW)	1,297.9	3,347.6
B2D34C213	000908	PROPELLER, ARROW	1,118.9	3,621.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Aircraft would not start P/N G35 S/N 60212816 7	25/70	1	Removed and Replaced battery ops check good P/N G35 S/N 60217912	25/70	N	6/21	.6		AMB	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 6-21-05

INSPECTION SUPPLEMENT AND WORK ORDER

d School of Aerospace Sci.
sity of North Dakota
nd Forks Intl. Airport
ark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1045042
Mech: CEC
Shop Code: F
Equip Code: I
Opened: 5/17/2005 16:16

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt) _____
Date closed: 5-18-05

Customer: UND Acct#: 0700-8261-801 Preliminary Insp [initials] In Progress Insp [initials]

N#: AcftType: Bill Meter: A/F Tach: Init ____

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Battery needs initial charge P/N 6-35 S/N GO2177412	24/30	1	Serviced Battery with acid started Charge	24/30	N	5/17	.3		[initials]	[initials]
			2	finished charging, specific gravity checked good	24/30	N	5/18	.2		[initials]	[initials]

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature [signature]
Date 5-18-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1046097
Mech: RMM
Shop Code: F
Equip Code: A
Opened: 7/10/2005 9:21

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 10 July 05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,698.9 A/F Tach: 3,494.7 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,657.1	3,657.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,322.7	3,372.4
B2D34C213	000909	PROPELLER, ARROW	1,143.7	3,646.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Stall warning horn is weak	31/40	1	Tested stall warning horn, ops checkgood	31/40	N	07/10	.1		RMM	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service Certified Repair Station OG5R092N.

Authorized Signature
Date 7-10-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1046083
Mech: AMB
Shop Code: F
Equip Code: A
Opened: 7/8/2005 18:43

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 7/8/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MSB In Progress Insp MSB

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,698.9 A/F Tach: 3,484.7 Init AMB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,657.1	3,657.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,322.7	3,372.4
B2D34C213	000908	PROPELLER, ARROW	1,143.7	3,646.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	stall warning horn works periodically on preflight	3 1 40	1	charged battery ops check good	31 40	N	7/8	.3		AMB	MSB

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature
Date 7-8-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1046060
Mech: CAB
Shop Code: F
Equip Code: A
Opened: 7/8/2005 6:56

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)
Date closed: 7/8/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,698.9 A/F Tach: 3,484.7 Init CAB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2944039	AIRFRAME (ARROW)	3,657.1	3,657.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,322.7	3,372.4
B2D34C213	000908	PROPELLER, ARROW	1,143.7	3,646.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	phase 1 Inspection	05/20	1		05/20	N	7/8	4.0		CAB	
	due	05/20			05 20	N	7/8/05	5.3		RWS	
				I certify that this aircraft has been inspected in accordance with phase 1 inspection, including, as applicable a routine inspection of Engine, propeller, wings & Landing Gear and detailed inspection of Fuselage (visual) Engine and was determined to be in airworthy condition, and is approved for return to service Certified Repair Station OG5R092N Authorized Signature Date 7/8/05						
2	SB UND4 ELT	04 00	1	tested ELT "G"	04 00	N	7/8/05	.2		RWS	
	"G" switch			switch IAW SBUND4							
	test due			ops chk ok							
	Effective Date 12-21-04			next Due 3727.6							
3	SL 1087 Wing	04 00	1	checked Bolt torque	04 00	N	7/8/05	.2		RWS	
	Aft Spar Bolt			IAW SL 1087 fun ok							
	Torque check			next Due 3607.6							
	due										
	Effective Date 3-30-05										

L

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 5

Reg#: (N) 289 NO Work Order #: 104060

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
4	AD2002-26-01	04 00	1	Inspected IAW SB 342E	04 00	N	7/8/05	.1		RWS	
	fuel injection lines			no defects found							
	Insp Due			next Due 3547.6							
	Effective Date: 1-31-03										
5	Instrument filter	05/20	1	Removed & Replaced	37/18/10	W	7/8	.3			
	replacement Due			Instrument filters							
				Next Rec 3984.7							
6	Induction Air	05 20	1	Installed new	71 60	N	7/8/05	.1		RWS	
	filter timed			filter							
	out			Next Due: 3684.7							

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 5

Reg#: (N) 289 ND Work Order #: 1041060

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	Aileron Tension	27/10	1	found to be	27/10	IV	7/8	2		CAS	
	is low			in limits							
8	Pilot Side Seat	25/10	1	Repaired IAW AC43-13-1B	25/10	N	7/8/05	.3		RWS	
	Cracked on			4-57-A,B,C,							
	back rest Left										
	Side										
9	Rubber Seal on	28/10	1	Replaced gasket	28/10	N	7/8/05	.1		RWS	
	Right Side Gas cap (RWS)										
	~~tank~~ torn										

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 281 ND

Work Order #: 1046660

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
10	All tires Are low on pressure	32/40	1	filled All Tires w/ Correct Air pressure	32/40	W	7/8	.2		CAB	[illegible]
11	Nose ~~wheel~~ CAB tire is worn	32/20	1	Removed & Replaced Nose tire	32/20	W	7/8	.3		CAB	[illegible]
12	Prop has Nicks	61/00	1	dressed prop	61/00	W	7/8	.3		CAB	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289 ND

Work Order #: 1046660

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
13	Stabilator Pulley under Rear Seat on Left Side has a Flat Spot	27/40	1	Replaced pulley	27/40	N	7/8/05	.3		RWS	
14	Door Release placard is Faded	52/10	1	Removed & Replaced with new Door Release placard	52/10	N	7/8	.2		CAB	
15	Inspection Time	05/60	1	Time I certify the aircraft/airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. ~~Certified Repair Station OC5R092N~~ Authorized Signature Date 7-8-05	0560	05/60	7/8	1.0			

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	4226N/191

4. Organization		5. Work Order, Contract, Invoice or Pick No:
Michelin Aircraft Tire Corp. 515 Michelin Road, Building 56 Greenville, SC 29602	Michelin Aircraft Tyre – Siam Tyre Industry Co.,Ltd. 57 Moo 6 Nongplakradee Rd., Nongplamore, Nongkhae, Saraburi 18140	DIDS4226N7 0 Page Attached

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	5.00-5/6/120 Aircraft Tire	072-312-0	TSO Article N/A	1	4220W00196	New

13. Remarks. :

DIRECT SHIPMENT AUTHORIZATION

Limited life parts must normally be accompanied by maintenance history including total time/total cycle/time since new.

14. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block

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: NA	21. Approval Certificate Number: NA
17. Name (typed or printed): M. Anant Renseb	18. Date: 14-Aug-04	22. Name (typed or printed): NA	23. Date: NA

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 authority accepts part/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.

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
ta6

WKO#: 1046698 (1046698)
Mech: CES
Shop Code: F
Equip Code: A
Opened: 8/6/2005 8:05

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 8/6

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MNS In Progress Insp MNS

N#: N298ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,888.8 A/F Tach: 3,494.7 Init CES

Part# (28R ND)	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,657.1	3,657.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,322.7	3,372.4
B2D34C213	000909	PROPELLER, ARROW	1,143.7	3,646.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	A/C requires POH revision #13 dated 5/23/05	25 10	1	installed POH revision #13	25 10	N	8/6	.2		CES	MNS
2	AD 2005-14-11 Props returned to Service by S. Calif. Props, dated 8/17/05	04-00	1	N/A Prop not returned to Service by S. Calif. Props	61-00	N	8/6	.1		MNS	MNS

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature Morgan R. Stub
Date 8/6/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202
Repair Station# OG5R092N

WKO#: 1046103
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 7/10/2005 11:40

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 8/23/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp
In Progress Insp

N#: N289ND Act#Type: ARRO Model: PA28R-201 Bill Meter: 4,698.9 A/F Tach: 3,484.7 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,657.1	3,657.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,322.7	3,372.4
B2D34C213	000908	PROPELLER, ARROW	1,143.7	3,646.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Found compass sys CB popped on preflight. Reset OK, turned on battery master to check lights and CB popped again	3440	1	Inspected CB panel, no defects. Removed Left wing tip, CB would pop when wiring to remote compass transmitter ~~was~~ moved. (Hose attached to wing)	3440	N	7/10	1.0		RMM	
						N	7/10	.3			
			2	Ran new power wire from CB to gyro.	34 40	N	7/13	2.0		JM	
							7/14	2.0		JM	
			3	Found KI 525A indicator inop. Troubleshot with serviceable indicator. NAV Flag stays	34 40	N	7/14	2.0		JM	
					34/40	N	8/22	8.0		DPS	
					34/40	N	8/22	5.0		KHP	
					34/40	N	8/23	6.0		KHP	
				Cont.	34/40	N					

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 2

Reg#: (N) 289ND Work Order #: 1046103

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
			3 cont	Removed HSI and nav/ gps sw unit. Tested wiring for continuity. found NAV Flag + shorted to gnd and wire bundle routing problems under baggage compartment. Repaired wiring. Put cut track on sharp edges under compartment and spiral wrapped bundle. Reassembled aircraft and tested nav and compass system.							

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature

Date 9-25-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1046970
Tech: JDR
Shop Code: F
Equip Code: A
Opened: 8/29/2005 8:46

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) SM
Date closed: 8-29-2005

Customer: UND Acct#: 1244-0518-471 Preliminary Insp ____ In Progress Insp ____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,724.4 A/F Tach: 3,503.4 Init JDR

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,675.8	3,675.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,341.4	3,391.1
B2D34C213	000908	PROPELLER, ARROW	1,162.4	3,664.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	left shoulder harness will not move in or out.	25 10	P	Found belt folded in spool. Released and straightened. Operational check good.	25 10	N	8/29	.8		JDR	
				Jan D. Robbe [signature]							
				A&P 3058780							

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047099
Tech: SFB
Shop Code: F
Equip Code: A
Opened: 9/1/2005 21:11

OBTAIN ALL INITIALS BEFORE FILING

R/A SF
Parts (opt'l)

Date closed: 9/01/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp ____ In Progress Insp ____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,747.0 A/F Tach: 3,520.1 Init SF

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,692.5	3,692.5
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,358.1	3,407.8
B2D34C213	000908	PROPELLER, ARROW	1,179.1	3,681.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Pilots shoulder harness won't extend	2510	1	Replaced harness with repaired unit	2510	N	9/01	.6		SF	
				Scott F Balun A&P 2856702							

1. ng National Aviation hority/Country: /UNITED STATES	2. **AUTHORIZED RELEASE CERTIFICATE** FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number. **W193775-231985-2**
anization Name and Address.	**Pacific Scientific P94R580N** **AVIATION SERVICES COMPANY** **11700 NW 102nd ROAD** **SUITE 6** **MIAMI, FL 33178**	5. Work Order, Contract or Invoice Number: 1017783

6. Item	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	REEL ASSEMBLY	1107447-13	N/A	1	N/A	REPAIRED

13. REMARKS

Unit was repaired IAW manufacturers approved data.

Technical Data Used
1107447 Rev: N Rev Date: 7/2/2001

SB A25-1124A HAS BEEN PREVIOUSLY COMPLIED WITH. (SHAFT REPLACEMENT)

14. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 13

19 ☒ 14 CFR 43.9 Return to Service ☐ 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: Lisa Hernandez	21. Approval/Certifcate No: **P94R580N**
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): **Lisa Hernandez**	23. Date (m/d/y): Aug/4/2005

12:46 PM

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 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.

Statement 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.

ic Scientific
N SERVICES COMPANY
W 102nd ROAD
6
I, FL 33178
305-477-4711, Fax: 305-477-9799

Work Order
W193775

Part Number: 1107447-13 **Qty:** 1 **Description:** REEL ASSEMBLY

Customer: UNIVERSITY OF NORTH DAKOTA

Customer P.O.: 1017783

Technical Data: DATA TYPE / NUMBER / REVISION / REV DATE
1107447 N 7/2/2001

Evaluation

Customers remark:

Customer requests inspect and repair as necessary

REPAIR

Results from evaluation:

Unit(s) webbing frayed beyond acceptable limits.

Parts were found to be corroded, worn or damaged.

Work to be performed:

Unit is to be repaired IAW Mfr technical data.

Initial Evaluation

Work Instructions:

Verify Technical Data

Verify the revision level and date of drawing 1107447 Revision= N Revision Date= 7/2/01

The following Service Bulletins, Engineering Orders, are associated with part number. Verify information below:

SB: A25-1124A EO/ESO: none.

Verified by: [PacSci 16 Miami] Stamp 7/25/05 mo da yr

Initial inspection

Initial Inspection: The technician shall inspect the unit for damage, unapproved parts and any non-conforming conditions. Verify the customer has correctly identified the unit. Record the following information:

Unit is correctly identified: (YES) NO

1) Webbing condition: Good_____needs replacing__/__Existing Color. Black.

Remarks none.

Initial Inspection Completed by: [PacSci 16] Stamp 7/25/05. mo da yr

Disassemble and evaluate

Cut the webbing from the existing hardware. Verify that the existing hardware is serviceable. Inspect for hiddend damaged

Remarks_____

Work perfomed by: [PacSci 9 Miami] Stamp 8/3/05 mo da yr

Released to Shop

ic Scientific
SERVICES COMPANY
W 102nd ROAD
, FL 33178
305-477-4711, Fax: 305-477-9799

Work Order
W193775

Work Instructions:

Assemble and Sew to drawing requirements

Assemble and sew the webbing in accordance with the manufacturer's drawings.

Re-assemble the reel and strap. Adjust for proper operation.

Work performed by: [Pac Sci 9 Miami] Stamp 8 / 4 / 05 mo da yr

---

Calibrate reel

Test the reel in accordance with IT 595. Perform retraction force test. Pass / Fail ____

Must lock = .75 g No lock = .37 g

Unit calibrated by: [Pac Sci 9 Miami] Stamp 8 / 4 / 05 mo da yr

---

Final assembly

Complete the assembly in accordance with manfucturer's drawings and/or customer's Engineering orders.

SB complied with: / yes ___ no PCW A25-1124.A

EO/ESO complied with: ___ yes / no

Work performed by: [Pac Sci 9 Miami] Stamp 8 / 4 / 05 mo da yr

---

Cell leader acceptance

Work was performed in accordance with Manufacturer's specifications and/or customer engineering orders.

Verified by: [Pac Sci 19 Miami] Stamp 8 / 4 / 05 mo da yr

Inspection

Work Instructions:

Final Inspection

Inspected the unit IAW manufacturer's drawings, and/or customer's engineering order.

This certifies that the work specified in this work order was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part is approved for return to service.

AUG 04 2005

Return to service by ~~Lisa~~ Lisa Hernandez Signature ___ / ___ / ___ mo da yr [Pac Sci 60 Miami] Stamp

PACIFIC SCIENTIFIC SERVICES COMPANY

Miami
11700 N.W. 102nd Road
Suite 6, Miami, FL 33178
Phone: (305) 477-4711
Fax: (305) 477-9799

Dallas
2156 W. Northwest Highway
Suite 314, Dallas, TX 75220
Phone: (214) 574-4200
Fax: (214) 574-4210

www.pacscimiami.com

Packing Slip

Invoice #: M197801
Invoice Date: 8/4/2005
Cust. PO#: 1017783
ORIGINAL
Page: 1

Sold To:
UNIVERSITY OF NORTH DAKOTA
CENTER FOR AEROSPACE SCIENCES
PO BOX 9007
GRAND FORKS, ND 58202-9007
USA
Ph: 701-777-7917 Fax: 701-777-7929

Ship To:
UNIVERSITY OF NORTH DAKOTA
JOHN D. ODEGARD SCHOOL OF AEROSPACE
UNIVERSITY ON NORTH DAKOTA
GRAND FORKS INTERNATIONAL AIRPORT
GRAND FORKS, ND 58202, USA
USA

Sales Order: S166731
Customer #: 100933
Terms: NET 30
Order Date: 8/4/2005
Ship Date: 8/4/2005

Shipment #: 1
FOB: collect
Ship Via: UPS GROUND
Account No. V60390
AWB:

Item	Part Number	Description	Shipped	BkOrd	CD	Unit Price	Ext Price
1	1107447-13	REEL ASSEMBLY	1	0	RP		

CERTIFICATE OF CONFORMANCE

This certifies that the unit(s) shipped herewith have been subjected to all necessary tests, and test data showing conformance with the applicable specification, as well as test reports covering the material of these parts showing conformance with the applicable requirements, are enclosed or, are on file at this facility or at the manufacturer's plant.

Authorized Signature: _____ Date: **8/4/2005**

Michael Dziuba
Director of Quality

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047112
Tech: JEB
Shop Code: F
Equip Code: A
Opened: 9/2/2005 10:43

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 9/2/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

W#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,748.9 A/F Tach: 3,521.2 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,693.6	3,693.6
O-360-C1C6	L46651A	ENGINE (ARROW)	1,359.2	3,408.9
92D34C213	000908	PROPELLER, ARROW	1,180.2	3,682.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Turn coord. inop. P/N 1394T100-72 S/N In B04-11059 S/N Out 2003-284	34 40	1	Replaced turn coord, ops normal. I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R892N. Authorized Signature Date 9-2-05	34 20	N	9 2	.7		JEB	

1. Approving National Aviation Authority/Country:	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking N WRK0062187

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
MID-CONTINENT INSTRUMENT CO., INC 9400 E 34th ST. NORTH WICHITA, KS 67226 FAA CRS OL2R061L	WRK0062187

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	TURN COORD.	1394T100-7Z 1394T100-7Z	N/A	1	B04-11059	REPAIRED

13. Remarks:

THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED.

ALL WORK WAS PERFORMED I.A.W MANUAL # 34-20-43 ORIGINAL 12/04

The work specified in block 12/13 except as otherwise specified was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number EASA.145.4675.

14. Certifies the items identified above were manufactured in conformity to:

- ☐ **Approved design data and are in condition for safe operation.**
- ☐ **Non-approved design data specified in Block 13.**

19. ☒ **14 CFR 43.9 Return to Service** ☒ **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.:
		Randall K. Ferguson	FAA CRS OL2R061L
17. Name (Typed or Printed):	**18. Date (m/d/y):**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
		RANDALL FERGUSON	August 16, 2005

User/Installer Responsibilities

It is important to understand that the existance 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 installer/user before the aircraft may be flown.

MID-CONTINENT INSTRUMENTS CO., INC.
9400 E 34TH ST. NORTH
WICHITA, KS 67226
FAA CRS OL2R061L

WRK0062187

July 27, 2005

Final Work Order

Nomenclature	Serial No	Location	RMA #	AR #
URN COORD.	**B04-11059**	**KS**	**RMA000000077348**	**23049**
Manufacturer's Part No.	Model No.		Quantity	
1394T100-7Z	**1394T100-7Z**		**1**	
Manufacturer	Customer Item Number		Service Period	
EGC				
Customer	Customer PO No.		Customer Reference No.	
UNIVERSITY OF NORTH DAKOTA	**413703/1018096**			

Reason For Removal

1 OF 6 UNITS
INOP.

Work Instructions

Warranty Repair X Overhaul _____ Return As Is _____

Functional Test _____ Repair _____ Modified _____

Special Instructions

Panel Tilt: 0 DEG. Input: 12-32 VDC LTG: N/A

Preliminary Inspection

Seals Broken No Cover Damaged No Hidden Damage Inspection Required No

Nameplate Damaged No

Finding

Preliminary Inspector ROBIN FREEMAN Date August 1, 2005

Failure Analysis ROTOR

Customer Complaint Verified

ROTOR BEARINGS BRINELLED CAUSING EXCESSIVE NOISE
AND INTERMITTENT OPERATION.

Previous Service Bulletins Installed: N/A

Work Accomplished

REPAIRED AS NECESSARY, TESTED TO MFG. SPEC.
DISASSEMBLED, REPLACED ALL PARTS LISTED, BALANCED, CLEANED, CALIBRATED, ASSEMBLED, AND TESTED.

I.A.W Manual # 34-20-43 ORIGINAL 12/04
Outgoing Service Bulletins N/A

Technician NHAT NGUYEN Date August 16, 2005

In-Process Inspector KHA NGUYEN Date August 16, 2005

FINAL INSPECTOR RANDALL FERGUSON Date August 16, 2005

Parts Used

Part Number	Part Description	Quantity
1234225-3	WHEEL ASSY	1
1394288	BRUSH GUIDE	1
1234158-1	GLASS, COVER	1

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047298
Tech: RMM
Shop Code: F
Equip Code: A
Opened: 9/9/2005 15:02

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 09 Sept. 05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Jdl In Progress Insp Jdl

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,763.3 A/F Tach: 3,532.4 Init RMM

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,704.8	3,704.8
IO-360-C1C6	L46851A	ENGINE (ARROW)	1,370.4	3,420.1
B2D34C213	000908	PROPELLER, ARROW	1,191.4	3,693.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Oil pressure red line on takeoff	79/30	1	Ran aircraft, found oil pressure to be in operating range.	79/30	N	09/09	.3		RMM	Jdl

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature
Date 9-9-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO# 1047418
Tech: DPS
Shop Code: A
Equip Code: A
Opened: 9/13/2005 22:08

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 9-14-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp KHP In Progress Insp KHP

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,787.0 A/F Tach: 3,550.4 Init DPS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,722.8	3,722.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,388.4	3,438.1
B2D34C213	000808	PROPELLER, ARROW	1,209.4	3,711.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	When turning from north to east HSI would initially turn to the northwest.	34/40	1	Tested HSI and could not duplicate problem.	34/40	N	9/13	1.0		DPS	KHP

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 9/14/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047447
Tech: DPS
Shop Code: A
Equip Code: A
Opened: 9/14/2005 15:39

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 9/15/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,788.9 A/F Tach: 3,551.5 Init DPS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,723.9	3,723.9
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,389.5	3,439.2
B2D34C213	000908	PROPELLER, ARROW	1,210.5	3,712.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Hdg flag flashes, then HSI hdg card continually rotated and Hdg flag in view. KA51B SN 29782 Removed serviceable from avionics test set. SN 33122 OUT	34/40	1	Troubleshot and changed DG. Ran airplane and problem was intermittent. Put original DG back in. Replaced Slaving acc. and intermittent problem did not arise.	34/40	N	9/14	4.5		DPS	
			2	Removed wingtip and placed aircraft on compass rose. Removed flux tx index error. continued swing and calibrated slaveing accesory. Reassembled. Tests good.	34/40	N	9/15	3.5		KHF	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature
Date 9-15-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047491
Tech: DDK
Shop Code: W
Equip Code: A
Opened: 9/15/2005 17:28

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt) _____

Date closed: 9/15/2005

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,790.8 A/F Tach: 3,552.2 Init DDK

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,724.6	3,724.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,390.2	3,439.9
B2D34C213	000908	PROPELLER, ARROW	1,211.2	3,713.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Aircraft Required cleaning	12 20	1	Cleaned Aircraft	12 20	N	9/15/05	1.0		DDK	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047826
Tech: CES
Shop Code: F
Equip Code: A
Opened: 9/25/2005 14:12

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (opt1) _____
Date closed: 9/25/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MSB In Progress Insp MSB

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,801.6 A/F Tach: 3,560.1 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,732.5	3,732.5
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,398.1	3,447.8
B2D34C213	000908	PROPELLER, ARROW	1,219.1	3,721.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	on start up engine ran rough	71 00	1	ran A/C through various power settings and could not duplicate problems at this time	71 00	N	9/25	.5		[initials]	MSB

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature [signature]
Date 9-25-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO# 1047377
Tech: PDH
Shop Code: F
Equip Code: A
Opened: 9/12/2005 15:33

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl)
Date closed: 9/12/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp [initials] In Progress Insp [initials]

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,779.3 A/F Tach: 3,544.5 Init PDH

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,716.9	3,716.9
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,382.5	3,432.2
B2D34C213	000908	PROPELLER, ARROW	1,203.5	3,705.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Steady dripping of gasoline from one of the thinner rubber hoses right next to the oil breather.	71 00	1	Checked drain lines. Fuel came from manifold drain hose. Fuel was dripping out from a overpriming condition - this is normal operation. Started engine with flooded start procedure. Adjusted idle speed to specs. Ops check good.	73 20	N	9/12	.5		PDH	[initials]

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature [signature]
Date 9/12/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047914
Tech: JEB
Shop Code: F
Equip Code: A
Opened: 9/27/2005 7:07

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 9/27/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,808.2 A/F Tach: 3,565.2 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,737.6	3,737.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,403.2	3,452.9
B2D34C213	000908	PROPELLER, ARROW	1,224.2	3,726.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Engine quit on taxi. P/N 8120-G S/N In 60903 S/N Out 57415	28 20	1	Replaced electric fuel pump, ops + leak check normal.	28 20	N	9 27	1.0		JEB	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 9-27-05

1. Approving National Aviation Authority/Country FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking R05-05089
4. Organization Name and Address B&S Aircraft Parts & Accessories, Inc., 1414 South Mosley, Wichita, KS 67211-3398, USA		5. Work Order/Contract/Invoice# R05-05089

6. Item	7. Description	8. Part Number	9. Elig*	10. Qty	11. Serial/Batch#	12. Status/Work
1	BOOST PUMP	8120-G	N/A	1	60903	OVERHAULED

13. Remarks

Overhauled, reference Weldon manual No. J-800096 revision "G", 2-16-04. B&S Aircraft Parts & Accessories, 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 EASA.145.4228. Full details held on work order R05-05089

14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation ☐ Non-approved design data specified in Block 13		19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13 Certifies that unless 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/Auth No	20. Authorized Signature Bryson L Voth	21. Approval/Certificate No **NE2R028L**
17. Name (Typed or Printed)	18. Date (m/d/y)	22. Name (Typed or Printed) Bryson L. Voth	23. Date (m/d/y) Jul/27/2005

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 company 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.

B&S Aircraft Parts & Accessories Inc.
1414 S. Mosley • Wichita, Kansas 67211-3387
(316) 264-2397 • FAX (316) 264-7898
FAA Certificate No. NE2R028L - Accessory Overhaul

Work Order No.

Issued.: 07/15/05
By.....: Carol Loy
Request: 07/30/05

Invoice No:
Shipped...:
Sales Ord#:
Sales Amt.:

Customer Number	UNI002
Ship Code	GRAN

UNIVERSITY OF NORTH DAKOTA

COMPLETED

Received Via	Purchase Order Number	Itm	Packing Slip/Shipping Authorization No.	Itm	Customer's Part Number	Manufacturer's Part Number	Serial Number
UPS GROUND [X] Prepaid [ ] Collect	1015549	4				8120-G	60903

Description	Qty	Prod Code	Dep	Manufacturer	Mfg Date	Link#	Mod Status
BOOST PUMP	1	3181	2	WELDON PUMP		2939	

Discrepancy or Reason for Return

OVERHAUL

Work Instructions

Overhaul & Certify [X] Functional Test Only [ ] Repair and Certify [ ] Accident Unit [ ]
Third Party Proc.. [ ] Merchandise Return.. [ ] Non-Certified Work [ ] Eval Only.... [ ]
Repair Cost Estimate Required? Yes [X] No [ ] Ck Modify [ ] Warr Request? [ ]

Special Work Instructions Not Outlined Above

Work Performed

OHC'd, Reference Weldon Manual no. J-800096, Rev. G. 2-16-04,

Preliminary Inspection Record

Assy. date decal damaged, date is not Legible
Nameplate also damaged,

Initials: DWC
Date: 7-20-05

Hidden Damage Inspection Record

Motor worn @ drive and Froze up.
Rotor worn @ drive + scored,
Insert Scored,
Plunger Checked ok,

Initials: DWC
Date: 7-20-05

Functional Test Results

Volts (D.C.)	Flow (P.P.H.)	Flow (G.P.H)	Pressure (PSI.)	Current (Amps.)	Seal Leak	Vacuum (In. HG.)
14	375	59.7	14	4.00	0	27
	0		29	4.75		

Ran 1/4 hr. No Leaks

Certified Airworthy By	Certificate Number	Date	Master Technician	Technician	Date
[signature]	2488689	7-27-05		[signature]	7-27-05

1100 03/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
~~Mark Andrews Field~~
Grand Forks, ND 58202

WKO#: 1047902
Tech: JDL
Shop Code: F
Equip Code: A
Opened: 9/26/2005 22:48

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt'l) n/a

89

Date closed: 9/26

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,808.2 A/F Tach: 3,565.2 Init _____

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,737.6	3,737.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,403.2	3,452.9
B2D34C213	000908	PROPELLER, ARROW	1,224.2	3,726.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
				ENTERED IN ERROR							

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047622
Tech: JDL
Shop Code: F
Equip Code: A
Opened: 9/19/2005 15:02

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 9/21

Customer: UND Acct#: 1244-0518-471 Preliminary Insp mnb In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,790.8 A/F Tach: 3,552.2 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,724.6	3,724.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,390.2	3,439.9
B2D34C213	000908	PROPELLER, ARROW	1,211.2	3,713.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Phase 2 Insp. due	05 20	1	Phase 2 Insp. complete	05 20	N	9/19	6.0			MOA
	compression test results #1 71/80 #2 74/80 #3 76/80 #4 73/80			certify that this aircraft has been inspected in accordance with a Phase 2 inspection including, as applicable a routine inspection of fuselage, cabin empennage, wings landing gear, and detailed inspection of engine and propeller and was determined to be unairworthy and a list of discrepancies and unairworthy items follows by problem description number: 18. Certified Repair Station OG5R092N. Authorized Signature. Date 9-19-05							
2	SB UND8 Wing spar chaffing effective date 7-15-05	04 00	1	Installed chaffe tape.	04 00	N	9/19	.2			MOA

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 7

Reg#: (N) N289NV Work Order #: 1047622

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	AD 2002-26-01	04 00	1	Insp. fuel injection	04 00	N	9/19	.4		[illegible]	MOA
	Fuel injection lines Insp.			lines, no defects							
	effective date			found at this time,							
	1-31-03			next due at 3617.6							
4	#1 cyl. side baffle	77 30	1	Reattached #1 cyl.	77 30	N	9/19	.3		NSP	MOA
	seal is loose			baffle seal			9/19	.1		[illegible]	MOA
5	Left fuel drain	28 00	1	REMOVED & REPLACED	28 00	N	9/19	.2		[illegible]	MOA
	is leaking			SUMP DRAIN							
6	Left main tire is	32 40	1	Replaced left	32 40	N	9/19	.3		[illegible]	MOA
	flat spotted			main tire							

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 7

Reg#: (N) N289ND Work Order #: 1047622

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	Prop. has nicks	61 00	1	Dressed prop	61 00	N	9/19	.3		NSP	MOA
							9/19	.1		[illegible]	MOA
8	Both control yokes	27 30	1	Lubed both	27 30	N	9/19	.2		[illegible]	MOA
	are sticky			control yokes							
9	Top cowl, left fwd.	71 10	1	FIBERGLASS REPAIR completed	71 10	N	9/19	.3		[illegible]	MOA
	mount pin is loose			IAW 43.13.1B CHAP							
	in fiberglass			2-2 PAGE 5-1							
10	Both plastic cowl	71 10	1	Replaced both	71 10	N	9/19	.2		[illegible]	MOA
	bushings are			cowl bushings							
	worn out										

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 7

Reg#: (N) N289NP Work Order #: 1047622

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
11	#3 cyl. aft baffle blast tube is loose	72 30	1	Replaced rivets	73 30	N	9/19	.5		[illegible]	MOA
12	Rubber tube on exhaust shroud is torn	7820	1	REMOVED & REPLACED BOOT	7820	N	9/19	.2		[illegible]	MOA
13	Starter housing is loose	6010	1	TIGHTENED HOUSING	6010	N	9/19	.3		[illegible]	MOA
14	Mount clamp for bottom cowl R/H fwd. side is loose	71 10	1	Tightened clamp	71 10	N	9/19	.2		[illegible]	MOA

INSPECTION SUPPLEMENT AND WORK ORDER Page 5 of 7

Reg#: (N) N289NT Work Order #: 1047622

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
15	Both magneto timing is early	74 10	1	Timed both mags. to specs.	74 10	N	9/19	.7		[illegible]	MOA
16	#2 cyl. Fwd. baffle is cracked	72 30	1	REPAIRED BAFFLE IAW AC 43.13-1B PAGE 4-14 PARA 4-57	72 30	N	9/19	2.0		Rod	MOA
17	Induction air filter needs to be replaced	05 20	1	Replaced induction air filter, next due 3752.2	71 60	N	9/19	.2		[illegible]	MOA

INSPECTION SUPPLEMENT AND WORK ORDER Page 6 of 7

Reg#: (N) N289NV Work Order #: 1047622

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
18	Cabin door lower hinge has loose screws, loose rivet, and door is cracked past stop drill	5210	1	Removed cabin door	5210	N	9/20	.5		[illegible]	MSB
			2	replaced lower hinge and hardware ~~at top~~ drilled crack structure not effected by crack installed door		N	9/21	2.0		SR	MSB
19	KLN 89B Quick reference guide needs to be placed in aircraft	25 00	1	Installed Quick reference guide in aircraft	25 00	N	9/19	.2		[illegible]	MSB

INSPECTION SUPPLEMENT AND WORK ORDER

Page 1 of 1

Reg#: (N) N289NT

Work Order #: 1047622

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
20	LT BRAKE PADS WORN	32 40	1	REMOVED & REPLACED	32 40	N	9/19	.3			
				BRAKE PADS							
21	Inspectors Time	05 60	1	Time	05 60	N	9/19	1.0			

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature

Date 9-21-05

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	4226N/265

4. Organization	5. Work Order, Contract, Invoice or Pick No:
Michelin Aircraft Tire Corp. 515 Michelin Road, Building 56 Greenville, SC 29602 Michelin Aircraft Tyre – Siam Tyre Industry Co.,Ltd. 57 Moo 6 Nongplakradee Rd., Nongplamore, Nongkhae, Saraburi 18140	DIDS4226N2 0 Page Attached

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	6.00-6/6/120 Aircraft Tire	072-314-0	TSO Article N/A	1	4221W00547	New

13. Remarks. :

DIRECT SHIPMENT AUTHORIZATION

Limited life parts must normally be accompanied by maintenance history including total time/total cycle/time since new.

14. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.

☐ 14 CFR 43.9 Return to Service ☐ 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: NA	21. Approval Certificate Number: NA
17. Name (typed or printed): M. Anant Renseb	18. Date: 14-Aug-04	22. Name (typed or printed): NA	23. Date: NA

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 authority accepts part/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.

NSN: 0052-00-012-9003

check eligibility with applicable technical data.

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047803
Tech: CES
Shop Code: F
Equip Code: A
Opened: 9/23/2005 18:28

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl)
Date closed: 9/23

Customer: UND Acct#: 1244-0518-471 Preliminary Insp [initials] In Progress Insp [initials]

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,799.8 A/F Tach: 3,558.8 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,731.2	3,731.2
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,396.8	3,446.5
B2D34C213	000908	PROPELLER, ARROW	1,217.8	3,720.1

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	during taxi engine ran rough adjusted mixture during shutdown ✓ list engine almost died	74 20	1	ran - up A/C and burned off plugs ops. ✓ good	74 20	N	9/23	.5		[initials]	[initials]

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature [signature]
Date 9-23-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047722
Tech: CEC
Shop Code: F
Equip Code: A
Opened: 9/21/2005 17:46

OBTAIN ALL INITIALS BEFORE FILING

R/A 84
Parts (opti)

84

Date closed: 9/21/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp [illegible] In Progress Insp [illegible]

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,792.5 A/F Tach: 3,554.6 Init NSP

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,727.0	3,727.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,392.6	3,442.3
B2D34C213	000908	PROPELLER, ARROW	1,213.6	3,715.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Lt. main landing gear indicator bulb is inop.	33/10	1	Removed and replaced indicator bulb. ops V good	33/10	N	9/21	.3		NSP	[illegible]
							9/21	.1		[illegible]	[illegible]

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature [signature]
Date 9-21-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1047971
Tech: PDH
Shop Code: F
Equip Code: A
Opened: 9/28/2005 18:22

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) _____
Date closed: 9/28/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,820.5 A/F Tach: 3,574.4 Init PDH

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,746.8	3,746.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,412.4	3,462.1
B2D34C213	000908	PROPELLER, ARROW	1,233.4	3,735.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Both main landing gear struts are low	32 40	1	Serviced main struts with Nitrogen	32 40	N	9/28	.3		PDH	

Paul D. Hawkins
A&P 468968071 IA

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO# 1048287
Tech: DDK
Shop Code: W
Equip Code: A
Opened: 10/11/2005 17:28

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 10/11/2005

Customer: UND Acct#: 1244-0518-471 Preliminary Insp ____ In Progress Insp ____

N# N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,871.1 A/F Tach: 3,614.0 Init DDK

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,786.4	3,786.4
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,452.0	3,501.7
B2D34C213	000906	PROPELLER, ARROW	1,273.0	3,775.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Aircraft Required cleaning	12 20	1	cleaned Aircraft	12 20	N	10/11	1.0		DDK	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1048501
Tech: SFB
Shop Code: F
Equip Code: A
Opened: 10/18/2005 17:39

OBTAIN ALL INITIALS BEFORE FILING

R/A SB
Parts (opt) N
Date closed: 10/18/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp ____ In Progress Insp ____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,895.1 A/F Tach: 3,632.4 Init SB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,804.8	3,804.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,470.4	3,520.1
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,470.4	3,520.1
B2D34C213	000908	PROPELLER	1,291.4	3,793.7
B2D34C213	000908	PROPELLER	1,291.4	3,793.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Oil door latch missing	7110	1	Trimmed and installed new door Scott F Baker A&P 2856702	7110	N	10/18	.3		SB	

10-13-05

4871.3

1	Phase 3 insp due	05 20	1	For Billing purposes only Worked Performed By GFK Flight Support. Date 10-13-05 WO# 05-4258	05 20	N	10/13 .5

GFK Flight Support, Inc.
2467 Air Cargo Dr.
Grand Forks, ND 58203
Phone 701-772-5504
Fax 701-772-8917
www.flygfk.com

38-17.6

Shop Order: 05-4258
Acct Number: PO 413695

Opened: 10/13/2005
Closed:

Sold To: Odegard School For Aerospace
UNIVERSITY OF NORTH DAKOTA
BOX 9007
GRAND FORKS, ND 58202

Aircraft Number: 289ND **Type:** **S/N:**

Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1							

Discrepancy: 1

Problem:
05-20 phase 3 inspection due

Action Taken:
c/w phase 3 inspection iaw a piper and und aerospace checklist.

Charges This Item:

10.00 Hours @	48.00	$	480.00
Total For This Discrepancy:		$	480.00

Employees Working On This Discrepancy	Hours Worked
Kortisses, Thomas J, Jr	2.00
Skold, Michael E	8.00

Discrepancy: 2

Problem:
33-40 right recog. light inop

Action Taken:
replaced lamp, ops checks o.k.

Charges This Item:

0.50 Hours @	48.00	$	24.00
Total For This Discrepancy:		$	24.00

Employees Working On This Discrepancy	Hours Worked
Kortisses, Thomas J, Jr	0.50

Discrepancy: 3

Problem:
05-50 sb und8 due

Action Taken:
c/w und sb8, no defects noted at this time

Charges This Item:

0.50 Hours @	48.00	$	24.00
Total For This Discrepancy:		$	24.00

Employees Working On This Discrepancy	Hours Worked
Kortisses, Thomas J, Jr	0.50

Discrepancy: 4

Problem:
05-50 sl 1087 due ~~UNB~~ mnf

Action Taken:
c/w s.l. 1087 by checking aft wing spar attach bolts, no defects noted

Charges This Item:

0.50 Hours @	48.00	$	24.00
Total For This Discrepancy:		$	24.00

GFK Flight Support, Inc.
2467 Air Cargo Dr.
Grand Forks, ND 58203
Phone 701-772-5504
Fax 701-772-8917
www.flygfk.com

Employees Working On This Discrepancy	Hours Worked
Skold, Michael E	0.50

Discrepancy: 5

Problem:

5.50 sb und7 due

Action Taken:

c/w und sb7, no defects noted at this time

Charges This Item:			
0.30 Hours @	48.00	$	14.40
Total For This Discrepancy:		$	14.40

Employees Working On This Discrepancy	Hours Worked
Kortisses, Thomas J. Jr	0.30

Discrepancy: 6

Problem:

5.50 sb 548a due

Action Taken:

c/w sb548a, n/a by date of manufacture

Charges This Item:			
0.50 Hours @	48.00	$	24.00
Total For This Discrepancy:		$	24.00

Employees Working On This Discrepancy	Hours Worked
Kortisses, Thomas J. Jr	0.50

Discrepancy: 7

Problem:

4.00 a.d. 05-19-11 due/crank shaft failure MNS dated 10/21/05

Action Taken:

c/w a.d. 05-19-11, n/a by engine s/n

Charges This Item:			
0.40 Hours @	48.00	$	19.20
Total For This Discrepancy:		$	19.20

Employees Working On This Discrepancy	Hours Worked
Skold, Michael E	0.40

Discrepancy: 8

Problem:

4.00 a.d. 02-26-01 due/fuel injection lines MNS dated 1/31/03

Action Taken:

c/w a.d. 02-26-01 by visual inspection of fuel lines, no defects noted

Charges This Item:			
0.50 Hours @	48.00	$	24.00
Total For This Discrepancy:		$	24.00

Employees Working On This Discrepancy	Hours Worked
Skold, Michael E	0.50

Discrepancy: 9

Problem:

5.20 yearly elt inspection due MNS ELT P/N ELT110-4 S/N 63039

Action Taken:

c/w yearly elt inspection iaw FAR 91.207(D), next due 10/2006.

Charges This Item:			
0.50 Hours @	48.00	$	24.00
Total For This Discrepancy:		$	24.00

Employees Working On This Discrepancy	Hours Worked
Kortisses, Thomas J. Jr	0.50

Discrepancy: 10

Problem:

12.40 r/h brake pads worn to limits

GFK Flight Support, Inc.
2467 Air Cargo Dr.
Grand Forks, ND 58203
Phone 701-772-5504
Fax 701-772-8917
www.flygfk.com

Action Taken:
replaced pads

Charges This Item:			0.50 Hours @	48.00	$	24.00

Part Number	Description	Credit	Quantity	Units	Unit Price		Extended
66-10500	Brake Lining		2.00	Each	21.960	$	43.92
105-00200	Rivet		4.00	Each	0.510	$	2.04
					Total For This Discrepancy:	$	69.96

Employees Working On This Discrepancy	Hours Worked
Kortisses, Thomas J. Jr	0.50

Discrepancy: 11

Problem:
6/10 prop nicked
Action Taken:
blended areas and painted

Charges This Item:		0.50 Hours @	48.00	$	24.00
		Total For This Discrepancy:		$	24.00

Employees Working On This Discrepancy	Hours Worked
Skold, Michael E	0.50

Miscellaneous Charges:

Misc Supplies:	$	56.37

Summary:

Total Parts:	$	45.96	Misc Supplies:	$ 56.37
Total Labor - 14.70 Hours:	$	705.60		

Totals:

SubTotal:	$	**807.93**
Total Charges:	$	**807.93**
Amount Remaining:	$	**807.93**

Thank you for stopping at GFK Flight Support. Every effort has been made to make your visit an enjoyable experience. If for any reason we have not met your expectations of quality of service, please let us know by contacting Bob Martin at 701-772-5504. We appreciate your business and look forward to serving you in the future.

Celebrating 12 years of Service November 2005!

I certify that this Aircraft *has been inspected in accordance with a* Phase 3 - Progressive *inspection and is in an airworthy condition.*

IA2659389AP

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1048563
Tech: SFB
Shop Code: F
Equip Code: A
Opened: 10/20/2005 20:00

OBTAIN ALL INITIALS BEFORE FILING

R/A SF
Parts (optl) JW
Date closed: 10/20/05 SF

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N288ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,898.6 A/F Tach: 3,635.2 Init EB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,807.6	3,807.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,473.2	3,522.9
B2D34C213	000908	PROPELLER	1,294.2	3,798.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Pilots shoulder harness won't extend	2510	1	Replaced shoulder harness w/repaired assy. Checks OK Scott F Eaton A&P2856702	2510	N	10/20	.4		EB	

ing National Aviation thority/Country:	2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number. W193780-232001-2
A/UNITED STATES		
rganization Name and Address.	Pacific Scientific P94R580N AVIATION SERVICES COMPANY 11700 NW 102nd ROAD SUITE 6 MIAMI, FL 33178	5. Work Order, Contract or Invoice Number: 1016955

6. Item	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	REEL ASSEMBLY	1107447-13	N/A	1	N/A	REPAIRED

13. REMARKS

Unit was repaired IAW manufacturers approved data.

Technical Data Used
1107447 Rev: N Rev Date: 7/2/2001

SB A25-1124A HAS BEEN PREVIOUSLY COMPLIED WITH. (SHAFT REPLACEMENT)

14. Certifies the items identified above were manufactured in conformity to:		19 ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data 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: Lisa Hernandez	21. Approval/Certifcate No: P94R580N
17. Name (Typed or Printed):	18. Date (m/d/y): 1:04 PM	22. Name (Typed or Printed): **Lisa Hernandez**	23. Date (m/d/y): Aug/3/2005

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 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.

Statement 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.

ific Scientific
ION SERVICES COMPANY
0 NW 102nd ROAD
TE 6
AMI, FL 33178
SA
Ph: 305-477-4711, Fax: 305-477-9799

Work Order
W193780

Part Number: 1107447-13 **Qty:** 1 **Description:** REEL ASSEMBLY
Customer: UNIVERSITY OF NORTH DAKOTA
Customer P.O.: 1016955

Technical Data: DATA TYPE / NUMBER / REVISION / REV DATE
1107447 N 7/2/2001

Evaluation

Customers remark:

Customer requests inspect and repair as necessary

Results from evaluation:

Unit(s) webbing frayed beyond acceptable limits.

Parts were found to be corroded, worn or damaged.

Work to be performed:

Unit is to be repaired IAW Mfr technical data.

Initial Evaluation

Work Instructions:

Verify Technical Data

Verify the revision level and date of drawing 1107447 Revision= N Revision Date= 7/2/01

The following Service Bulletins, Engineering Orders, are associated with part number. Verify information below:

SB: A25-1124A EO/ESO: none.

Verified by: [Stamp] 7/25/05 (mo da yr)

Initial inspection

Initial Inspection: The technician shall inspect the unit for damage, unapproved parts and any non-conforming conditions. Verify the customer has correctly identified the unit. Record the following information:

Unit is correctly identified: (YES) NO

1) Webbing condition: Good_____needs replacing__/__Existing Color. Black.

Remarks none.

Initial Inspection Completed by: [Stamp] 7/25/05. (mo da yr)

Disassemble and evaluate

Cut the webbing from the existing hardware. Verify that the existing hardware is serviceable. Inspect for hiddend damaged

Remarks_____

Work perfomed by: [Stamp] 8/3/05 (mo da yr)

Released to Shop

Work Instructions:

ific Scientific
TION SERVICES COMPANY
00 NW 102nd ROAD
UITE 6
IAMI, FL 33178
USA
Ph: 305-477-4711, Fax: 305-477-9799

Work Order
W193780

Assemble and Sew to drawing requirements

Assemble and sew the webbing in accordance with the manufacturer's drawings.

Re-assemble the reel and strap. Adjust for proper operation.

Work performed by: [Pac Sci 31 Miami] Stamp 8 / 3 / 05 mo da yr

Calibrate reel

Test the reel in accordance with IT 575 Perform retraction force test. Pass ✓ Fail ____

Must lock = 37 g No lock = 75 g

Unit calibrated by: [Pac Sci 31 Miami] Stamp 8 / 3 / 05 mo da yr

Final assembly

Complete the assembly in accordance with manfucturer's drawings and/or customer's Engineering orders.

SB complied with: ✓ yes ___ no PCW-B25-1124A

EO/ESO complied with: ___ yes ✓ no

Work performed by: [Pac Sci 31 Miami] Stamp 8 / 3 / 05 mo da yr

Cell leader acceptance

Work was performed in accordance with Manufacturer's specifications and/or customer engineering orders.

Verified by: [Pac Sci 19 Miami] Stamp 8 / 3 / 05 mo da yr

Inspection

Work Instructions:

Final Inspection

Inspected the unit IAW manufacturer's drawings, and/or customer's engineering order.

This certifies that the work specified in this work order was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part is approved for return to service.

Return to service by: Lisa Hernandez AUG 03 2005 mo da yr [Pac Sci 60 Miami] Signature Stamp

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
~~Mark Andrews Field~~
Grand Forks, ND 58202

WKO#: 1048933
Tech: MJK
Shop Code: W
Equip Code: A
Opened: 11/3/2005 10:52

OBTAIN ALL INITIALS BEFORE FILING

R/A MJK
Parts (optl) JW
Date closed: 11-3-05

MJK

Customer: UND Acct#: 1244-0518-471 Preliminary Insp _____ In Progress Insp _____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,944.9 A/F Tach: 3,671.8 Init MJK

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,844.2	3,844.2
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,509.8	3,559.5
B2D34C213	000908	PROPELLER	1,330.8	3,833.1

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	A/C required Cleaning	12 20	1	Cleaned A/C as required	12 20	N	11-3	1.0		MJK	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1048657
Tech: SJC
Shop Code: F
Equip Code: A
Opened: 10/25/2005 8:13

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 10/25/2005

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,905.5 A/F Tach: 3,640.4 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,812.8	3,812.8
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,478.4	3,528.1
B2D34C213	000908	PROPELLER	1,299.4	3,801.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	full FWD trim required for straight and level flight as well as some forward pressure	2700	1	inspected stabilator and trim tab travel CKed OK. Cable tension CKed OK - security of surfaces CKed OK. - found trim ind not reading correctly adjusted indicator	2700	N	10/25	1.0		SA	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 10-25-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1048973
Tech: RWS
Shop Code: F
Equip Code: A
Opened: 11/5/2005 14:52

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 11-5-05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp MOA In Progress Insp MOA

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,945.8 A/F Tach: 3,673.8 Init RWS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,846.2	3,846.2
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,511.8	3,561.5
B2D34C213	000908	PROPELLER	1,332.8	3,835.1

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Broken Static wick on left stab	23 60	1	Replaced Static wick	23 60	N	11/5/05	.3		RWS	MOA

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 11/5/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1048938
Tech: SFB
Shop Code: F
Equip Code: A
Opened: 11/3/2005 14:35

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 11/03/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,944.9 A/F Tach: 3,671.8 Init SB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,844.2	3,844.2
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,509.8	3,559.5
B2D34C213	000908	PROPELLER	1,330.8	3,833.1

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Phase 4 insp due	0520	1		0520	N	11/03	4.5		SB	
						N	11/03	2.0		SB	
	Compressions										
	#1 74/80			I certify that this aircraft has been inspected in accordance with Phase 4 inspection, including, as applicable a routine inspection of Cabin, Fuselage, Empennage, Wings, Landing Gear and detailed inspection of Engine and propeller and was determined to be in airworthy condition, and is approved for return to service							
	#2 78/80										
	#3 76/80										
	#4 74/80			Certified Repair Station ~~OG5R053N~~ Authorized Signature Scott Fiala Date 11/03/05							
2	AD 2002-26-01	0400	1	Inspected, no	7310	N	11/03	.3		SB	
	Fuel injection			defects noted.							
	lines due			Next due 3737.6							
	Rev: 1/31/03										
3	SB VND 8 Spar	0480	1	No defects noted	5710	N	11/03	.1		SB	
	chafing insp due			by visual insp							

INSPECTION SUPPLEMENT AND WORK ORDER

Page 2 of

Reg#: (N) 289ND

Work Order #: 1048938

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
4	Aft Muffler due T/C	7820	1	Removed P/N 67517-000R	7820	T	11/03	.7		SB	
				S/N 17182 and installed							
				67517-000 S/N							
				88692							
5	Idle set too low	7610	1	Set to 650 RPM	7610	N	11/03	.1		SB	
6	P.O.H & MEL needs	2510	1	Installed as req'd	2510	N	11/03	.1		SB	
	New format										

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 282

Work Order #: 1048938

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	Copilot seat back hardware missing	2510	1	Replaced hardware on Copilot seat back	2510	N	11/03	.2		156	
8	Insulation is broken on Cyl #4 bottom spark plug	7420	1	Replaced Cyl #4 bottom spark plug	7420	N	11/03	.1		156	
9	R/H MLG tire is worn	3240	1	Removed & Replaced R/H MLG tire	3240	N	11/03	.5		156	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1045938

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
10	Rt bank cylinder baffle inner connect rod loose	7230	1	Tightened as required	7230	N	11/03	.2		SB	
11	#2 cyl lower forward baffle cracked	7230	1	Replaced baffle piece	7230	N	11/03	.7		SB	
12	Top muffler shroud center baffle worn and bent	7160	1	Replaced baffle piece.	7160	N	11/03	.7		SB	

INSPECTION SUPPLEMENT AND WORK ORDER

Page 5 of

Reg#: (N) 289ND

Work Order #: 1048938

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
13	Baffle seal loose or damaged #1 cyl side, #1 cyl fwd, #4 cyl side	72/30	1	Reattached baffle seal on Cyl #4 side, #1 cyl Fwd, #4 cyl side Baffle seals (as Replaced)	72/30	N	11/03	.6		CSG	
14	Alternate air door lever loose	7160	1	Shimmed bushing, replaced bolt, travel & ops OK OK	7160	N	11/03	.4		SB	
15	Air filter dirty	7160	1	Replaced w/new	7160	N	11/03	.2		SB	

INSPECTION SUPPLEMENT AND WORK ORDER

Page 6 of

Reg#: (N) 283ND

Work Order #: 1048938

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
16	Step missing from	7600	1	Canned part from	7600	Z	11/03	.4		056	
	mixture lever			N283ND WO 1047994							
				PD #3, inspected, Tag	963						
				determined to be serviceable,							
				installed.							
17	Insp time	0560	1	Time	~~OSP~~ 760	N	11/3	.5			

I certify the aircraft airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service Certified Repair Station OG5R092N

Authorized Signature

Date 11-3-05

1. Approving National Aviation Authority/Country:	2.	3.
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130–3, AIRWORTHINESS APPROVAL TAG	88692

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number
Aerospace Welding, Inc. 12124 12th Avenue South Burnsville MN 55337	88692

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	MUFFLER	67517-00	N/A	1 each	88692	OVERHAULED

13. Remarks:

REF: WORK ORDER #88692.

14. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in a condition for safe operation.

☐ Non-approved design data specified in Block 13.

19. ☒ **14 CFR 43.9 Return to Service** ☐ **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.:
			UWDR792L
17. Name (Typed or Printed):	**18. Date:**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
		Eric Hanzel	9/27/2005

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 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.

FAA Form 8130–3 (6–01) *Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

AEROSPACE WELDING MINNEAPOLIS,

12124 12th Ave. South, Burnsville, MN 55337 952-890-1511

FAA Repair Station #UWDR792L

NAME: UND AEROSPACE	S/N AWI: 88692	Job:
ADDRESS: PO BOX 9007	CITY: GRAND FORKS ND 58202-9007	
Make & Model: PIPER 32(R)-300 3 M	Part Number: 67517-00	
Unit Description: MUFFLER		
Registration No.		

INSPECTION

Preliminary Date	9/27/2005 EH
Hidden Damage Date	9/27/2005 EH
In Progress Date	9/27/2005 EH
Final Date	9/27/2005 EH

CUSTOMER SERVICES REQUESTED

Discrepancies Noted:

☑ OUTERSHELL	☐ BALL JOINT	☐ BELLOWS
☐ OVERBOARD	☐ BELL JOINT	☐ HEAT FINS
☑ BAFFLE	☐ INLAY	☐ STRAIGHT TUBE
☑ END PLATE	☑ OVERLAY	☐ BRACKET
☐ SHROUD RING	☐ INLET EXTENSION	☐ BOLT FLANGE
☐ BEADED END	☐ RISER TUBE	☐ TOP TUBE
☐ TAB	☐ FLANGE	☐ CRACK WELD
☐ SHAFT	☑ TAILPIPE	☑ SLIP JOINT
☐ BUTTERFLY	☐ FLOW DIVIDER	☐ ELBOW
☐ CLEAN & INSP.	☐ BODY	☐ SKIN
☐ _____	☐ _____	☐ _____

INSPECTOR'S INITIALS EH

Corrective Action: **ITEMS REPLACED OR REPAIRED**

REPL	REPR		REPL	REPR		REPL	REPR	
1	☐	OUTERSHELL	☐	☐	BALL JOINT	☐	☐	BELLOWS
0	☐	OVERBOARD	☐	☐	BELL JOINT	☐	☐	HEAT FINS
1	☐	BAFFLE	☐	☐	INLAY	☐	☐	STRAIGHT TUBE
2	☐	END PLATE	2	☐	OVERLAY	☐	☐	BRACKET
☐	☐	SHROUD RING	☐	☐	INLET EXTENSION	☐	☐	BOLT FLANGE
☐	☐	BEADED END	☐	☐	RISER TUBE	☐	☐	TOP TUBE
☐	☐	TAB	☐	☐	FLANGE	☐	☐	CRACK WELD
☐	☐	SHAFT	1	☐	TAILPIPE	2	☐	SLIP JOINT
☐	☐	BUTTERFLY	☐	☐	FLOW DIVIDER	☐	☐	ELBOW
☐	☐	CLEAN & INSP.	☐	☐	BODY	☐	☐	SKIN
☐	☐	_____	☐	☐	_____	☐	☐	_____

INSPECTOR'S INITIALS EH

Material Type	***Approved Data***
☑ 347 SS FILLER ROD	☑ 43.13-1B
☑ 321 SS	☐ MANUFACTURER'S MANUAL
☐ 4130 CHROMALLY	☐ AIR CARRIER'S MANUAL
☐ 4130 ROD	
☐ INCONEL	
☐ INCONEL ROD	
☐ _____	☐ _____
☐ _____	

☑ REPAIRS	☑ TAB	☐ _____	☐ _____
☑ A.D. NOTES	☐ DIE PENETRANT	☐ CORROSION PROTECT NEW TUBE	☐ _____
☑ PRESSURE TEST	☐ DEMAGNETIZE	☐ PRIMER COAT	☐ _____

MAINTENANCE RELEASE

The aircraft/component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for Return to Service. Pertinent details of the repair are on file at this agency.

AUTHORIZED AND CONDITIONS AGREED TO AS STATED ABOVE

BY _____ DATE 9/27/2005

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving National Aviation Authority/Country:	2.	3. Form
FAA/United States		5141N/558

4. Organization	5. Work Order, Contract, Invoice or Pick No:
Michelin Aircraft Tire Corp. 515 Michelin Road, Building 56 Greenville, SC 29602 Michelin Aircraft Tyre – Siam Tyre Industry Co.,Ltd. 57 Moo 6 Nongplakradee Rd., Nongplamore, Nongkhae, Saraburi 18140	**DIDS5141N8** 0 Page Attached

6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1.	**6.00-6/6/120** Aircraft Tire	**072-314-0**	TSO Article N/A	1	**5154W00185**	New

13. Remarks. :

DIRECT SHIPMENT AUTHORIZATION

Limited life parts must normally be accompanied by maintenance history including total time/total cycle/time since new.

14. Certifies the items identified above were manufactured in conformity to:

☒ Approved design data are in a condition for safe operation.
☐ Non-approved design data specified in Block 13.

19. ☐ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block

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:
Anant R.	**DMIR 511126 CE**	NA	NA
17. Name (typed or printed):	**18. Date:**	**22. Name (typed or printed):**	**23. Date:**
M. Anant Renseb	**06-Jun-05**	NA	NA

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 authority accepts part/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.

*Installer must cross check eligibility with applicable technical data.

NSN: 0052-00-012-9005

INSPECTION SUPPLEMENT AND WORK ORDER

Aerospace Sci. WKO#: 1042266 *OBTAIN ALL*
Dakota Mech: PDH *INITIALS BEFORE FILING*
Airport
ield Shop Code: F
ND 58202 Equip Code: I R/A _____
OG5R092N Opened: 1/31/2005 15:31 Parts (opt) _____ Date closed: 1/31/05

UND Acc#: 0700-8261-801 Preliminary Insp MSB In Progress Insp MSB

AcftType: Bill Meter: A/F Tach: Init _____

Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
Tabs are cracked	72 30	1	Repaired as	72 36	N	1/31	2.5		DCF	MSB
OR# 1015222			necessary.				.1		SB	MSB

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature _____
Date 1-31-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1049115
Tech: DHT
Shop Code: F
Equip Code: A
Opened: 11/11/2005 9:50

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (ostl)
Date closed: 11/11/05

Customer: UND Acct#: 1244-0518-471 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 4,966.4 A/F Tach: 3,687.3 Init DHT

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,859.7	3,859.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,525.3	3,575.0
B2D34C213	000908	PROPELLER	1,346.3	3,848.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	oil press high.	79 30	1	Removed washers from relief valve body. Ran A/c - oil press checks ok	79 30	N	11/11	.7		DHT	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature
Date 11-11-05

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO# 1049583
Tech: CSG
Shop Code: F
Equip Code: A
Opened: 12/5/2005 15:04

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 12-6-05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp MSB In Progress Insp MSB

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,011.0 A/F Tach: 3,721.6 Init CSG

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,894.0	3,894.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,559.6	3,609.3
B2D34C213	000908	PROPELLER	1,380.6	3,882.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Phase I Inspection	05 20	1		05 20	N	12/05	4.0		CSG	MSB
	due					N	12/05	3.5		DWG	MSB
						N	12/05	2.0		NSP	MSB

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 7

Reg#: (N) 289ND Work Order #: 1049563

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	SL 1087 Wing aft spar bolt torque check due	05 20	1	Performed wing Aft spar Bolt Torque check IAW SL 1087. No defects noted At this Time	57 00	N	12/5	.3		DMF	MSB
4	AD2002-26-01 Fuel Injection lines due Rev Date: 1-31-03	04 00	1	Complied IAW AD 2002-26-01, CSO No defects noted Next Due: 3797.6	73 00	N	12/5	.2		CSC	MSB
5	SB UND 8 Wing Spar Cutting due	05 20	1	Complied IAW SB UND 8 Wing Spar Cutting, No defects noted	57 00	N	12/5	.2		CSC	MSB
6	Induction Air filters due	05 20	1	Removed + replaced induction air filter Next due: 3952.2	71 60	N	12/5	.1		Rel	MSB
						N	12/5	.1		CSC	MSB

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 7

Reg#: (N) 299ND Work Order #: 1049563

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	Nose gear torn limit indicator	32/20	1	Removed and Replaced	32/20	N	12/5	.1		DCJ	MSB
	is missing			Turn limit indicator							
8	Coupling R/H Bushing is worn	71/10	1	Removed and Replaced	71/10	N	12/5	.1		DCJ	MSB
				Bushing							
9	Prop has nicks	61/00	1	Dressed prop	61/00	N	12/5	.3		NSP	MSB
						N	12/5	.1		CSC	MSB
10	R/H Stabilator trim tab L/H end	55/20	1	Removed + replaced	55/20	N	12/5	1.4		ReW	MSB
	cap is cracked			Rh stabilator trim tab		N	12/5	.1		CSC	MSB
				L/H end cap Drivited							
				IAW AC43.13-16 chapt 4 Sec 4 57							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1049563

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
11	Rudder ~~to~~ CSG ~~ex~~ top end cap	55 40	1	Installed fiberglass patch on	55 40	N	12/5	.5		CSG	MSB
	Fairing is cracked			Rudder top end cap fairing							
				IAW AC43.13-1b chapt 3							
				Sec: 3-2							
12	Co-Pilot LH Seat Back doubler is	~~CSG~~ 25 10	1	Fabricated and Installed	25 10	N	12/5	.5		DCJ	MSB
	cracked			new doubler IAW AC43.13-1B							
				chapter 4 para. 4-57							
13	Cabin Door latch is worn	52 10	1	Removed and	52 10	N	12/5	3.0		NSP	MSB
				replaced door		N	12/5	.3		CSG	MSB
				latch, ops checked good							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1044563

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
14	Cabin Door hing pins are worn	52/10	1	Removed and replaced pins & satticd	52/10	N	12/5	.2		NS	MSB
						N	12/5	.1		CSG	MSB
15	co-pilot seat Adjuster needs adjustment	25/10	1	Adjusted co-pilot seat adjuster	29/10	N	12/05	.2		DOF	MSB
16	Toplowl R/H Pin is worn	71/10	1	Removed & Replaced Toplowl R/H Hing Pin, installed IAW Piper Maintenance manual Chap# 71-10-00 pg 1-2 & 51-70-00	71/10	N	12/05	1.2		CSG	MSB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1049563

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
17	Stabilator cable tention	27 30	1	adjusted stabilator	27 30	N	12/5	.3		Rew	MSB
	is low			cable tension to		N	12/5	.1		CSC	MSB
				specifications ~~satisfied~~							
18	Rudder cable tention is low	27 20	1	Inspected Rudder Cable Tension	27 20	N	12/05	.2		Dwf	MSB
				further and found to be within							
				limits.							
19	Flap cable tention is too	27 50	1	Re-rigged Flaps IAW	27 50	N	12/05	1.5		DCF	MSB
	High			Piper Maintenance Manual							
				chapter 27 section ~~27-50~~ 27-50-00							
~~20~~				ops ✓ good							
20	Control yokes are dirty	27 30	1	cleaned control yokes	27 30	N	12/05	.2		CSC	MSB

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 2

Reg#: (N) 289ND Work Order #: 1044563

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
21	Cowl oil cooler air inlet	71 20	1	Repaired with fiberglass	71 20	N	12/6	1.0		MSB	
	is cracked			patch. Re-installed							
				duct tube and top cowl							
22	Inspector time	05 60	1	Inspected	05 60	N	12.5	.7		MSB	MSB
			1	Time	05 60	N	12/6	.3			

~~I certify the aircraft airframe, aircraft engine, propeller, or~~ appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R097N

~~Authorized Signature~~

Date 12-6-85

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
~~Mark Andrews Field~~
Grand Forks, ND 58202

WKO#: 1048525
Tech: CSG
Shop Code: F
Equip Code: A
Opened: 12/2/2005 20:29

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 12-02-05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp MSB In Progress Insp MSB

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,002.6 A/F Tach: 3,715.1 Init CSG

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,887.5	3,887.5
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,553.1	3,602.8
B2D34C213	000908	PROPELLER	1,374.1	3,876.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Nose strut is low	32 20	1	Removed & Replaced Nose strut o-rings & scraper seal & serviced with nitrogen & 5606 & saftied	32 20	N	12/02	1.5		CSG	MSB

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 12-2-05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1049562
Tech: JWG
Shop Code: W
Equip Code: A
Opened: 12/5/2005 14:46

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 12-5-05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp _____ In Progress Insp _____

N#: N299ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,011.0 A/F Tach: 3,721.6 Init JWG

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,894.0	3,894.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,559.6	3,609.3
B2D34C213	000908	PROPELLER	1,380.6	3,882.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	A/C required washing	12 20	1	washed A/C	12 20	N	12-5	1.0		JWG	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1049629
Tech: DCF
Shop Code: F
Equip Code: A
Opened: 12/7/2005 15:21

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 12/07/05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,015.0 A/F Tach: 3,724.3 Init NSP

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,896.7	3,896.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,562.3	3,612.0
B2D34C213	000908	PROPELLER	1,383.3	3,885.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Tech	Insp
1	Stall warning horn inop	24 00	1	Removed battery and charged. Reinstalled charged battery, ops ✓ good	24 00	N	12/7	.2		NSP	
							12/07	.2		SB	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature
Date 12/07/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1049704
Tech: SFB
Shop Code: F
Equip Code: A
Opened: 12/8/2005 18:04

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 12/08/05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,015.2 A/F Tach: 3,724.3 Init SB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,896.7	3,896.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,562.3	3,612.0
B2D34C213	000908	PROPELLER	1,383.3	3,885.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	On taxi out, stall warning horn came on and would not go off	3140	1	Replaced lift detector. Flight test required to determine correct alignment. See WO# 1049706	3140	N	12/08	.4		SB	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092N.

Authorized Signature
Date 12/08/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1049689
Tech: PDH
Shop Code: F
Equip Code: A
Opened: 12/8/2005 11:52

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 12/8/05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp In Progress Insp

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,015.0 A/F Tach: 3,724.3 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,896.7	3,896.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,562.3	3,612.0
B2D34C213	000908	PROPELLER	1,383.3	3,885.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Stall warning inop	31 40	1	Could not duplicate this discrepancy. Stall horn worked repeatedly with all lights and pitot heat on. Ops check good at this time	31 40	N	12/8	.2		PDH	

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N

Authorized Signature
Date 12/8/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1049706
Tech: SFB
Shop Code: F
Equip Code: A
Opened: 12/8/2005 19:10

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) [initials]
Date closed: 12/9/05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp ____ In Progress Insp ____

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,015.2 A/F Tach: 3,724.3 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,896.7	3,896.7
IO-360-C1C6	L46651A	ENGINE (ARROW)	1,562.3	3,612.0
B2D34C213	000908	PROPELLER	1,383.3	3,885.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Flight test due to check stall warning system and vane alignment	0580	1	Performed maintenance flight. Stall within limits. ANDREY MARTINOV Andrey Martinov Certificate # 2764836	05 80	N	12 9	.1		JEB	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Grand Forks Intl. Airport
Mark Andrews Field
Grand Forks, ND 58202

WKO#: 1049914
Tech: JDL
Shop Code: F
Equip Code: A
Opened: 12/23/2005 7:14

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 12-23-05

Customer: UND Acct#: 2059-2223-0 Preliminary Insp In Progress Insp

A/C#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 5,031.6 A/F Tach: 3,737.2 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	3,909.6	3,909.6
O-360-C1C6	L46651A	ENGINE (ARROW)	1,575.2	3,624.9
82D34C213	000908	PROPELLER	1,396.2	3,898.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Tech	Insp
1	Wouldn't start. Noticed teeth missing from starter	80 00	1	Removed starter P/N MZ6222 S/N E073314 Installed new starter P/N MZ-6222 S/N F035398 started engine, ops check good	80 00	N	12/23	1.5			

I certify the aircraft airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration with respect to the work performed and found to be airworthy and is approved for return to service. Certified Repair Station OG5R092R.

Authorized Signature
Date 12-23-05

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	F035398

4. Organization Name and Address:	CHECK THE APPROPRIATE BOX	5. Work Order/Contract/Invoice Number:
KELLY AEROSPACE POWER SYSTEMS, AIRPORT COMPLEX, FORT DEPOSIT, AL. 36032	X PMA-PQ1034CE-D TSO-PT1034CE-D	M810510

6.Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	LIGHTWEIGHT STARTER **** END ****	MZ-6222	Lyc O-235 Srs	1	F035398	NEW

13. Remarks:

AIRWORTHINESS APPROVAL- PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.

14. Certifies the items identified above were manufactured in conformity to:

☒ **Approved design data and are in a condition for safe operation.**

☐ **Non-approved design data specified in Block 13.**

19. ☐ **14 CFR 43.9 Return to Service** ☐ **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:
W. Michael McCluskey	DMIR501213CE		
17. Name (Typed or Printed):	**18. Date (m/d/y):**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
W. MICHAEL McCLUSKEY	Mar/29/2005		

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 authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 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.

FAA Form 8130-3 (6-01) *Installer must cross-check eligibility with applicable technical data. NSN: 0052-00-012-9005

ESICODE: 72544