INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1024943
Mech: DHT
Shop Code: F
Equip Code: A
Opened: 1/7/2003 12:39

OBTAIN ALL INITIALS BEFORE FILING

R/A DJ SM
Parts (opt)

Date closed: 1/7/03

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

N#: N289ND Acft Type: ARRO Model: PA28R-201 Bill Meter: 2,075.8 A/F Tach: 1,456.9 Init: DHT

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,629.3	1,629.3
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 8325)	1,629.3	1,629.3
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,629.3	1,629.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	A/c will not start	80 10	1	Started A/c APA 72786066	80 10	N	1/7	.5		DHT	

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1024975
Mech: CEC
Shop Code: F
Equip Code: A
Opened: 1/10/2003 8:55

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) [initials]
Date closed: 1-11-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,075.9 A/F Tach: 1,456.9 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,629.3	1,629.3
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,629.3	1,629.3
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,629.3	1,629.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Acft would not	24/30	1	Placed battery on	24/30	N	1/11	.5		[initials]	[initials]
	start, weak			charger							
	battery		2	Batty wont charge		N	1/11	.5		[initials]	[initials]
				Installed new							
	old P/N G35			battery							
	old S/N G01935685			New P/N G35							
				New S/N G02045351							
				ops VOK. at							
				this time							
				[signature]							
				AP323528778 FA							

INSPECTION SUPPLEMENT AND WORK ORDER

Page 1 of 1

School
iences
orth Dakota
ersity Station
, ND 58202-9007

WKO#: 1023912
Mech: DFT
Shop Code: X
Equip Code: I
Opened: 11/6/2002 8:06

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt) _____
Date closed: 10-7-02

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

AcftType: Bill Meter: A/F Tech: Init _____

Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
BATTERY needs servicing P/N C35 S/N G07045351	24/30	1	Serviced BATTERY with Acid And Charged	24/30	1	10/7	1.0		DFT	DFT

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 11-7-02

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1025185
Mech: DHT
Shop Code: F
Equip Code: A
Opened: 1/21/2003 9:50

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (ontl) N
Date closed: 1/21/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,115.0 A/F Tach: 1,487.1 Init DHT

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,659.5	1,659.5
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,659.5	1,659.5
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,659.5	1,659.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Starter inop	80 10	1	R+Rd Starter	80 10	N	1/21	1.2		DHT	
				with overhauled							
	Removed			part							
	P/N ~~MZ4222~~ 2041			P/N MZ4222							
	S/N A072799			S/N A-162059							
				Functional Check							
				ok							

...ify the aircraft airframe, aircraft engine, propeller, or ...pliance identified above was repaired and inspected in ...cordance with current regulations of the Federal Aviation ...ministration with respect to the work performed and ...und to be airworthy and is approved for return to service ...rtified Repair Station OG5R092N.
...thorized Signature
1-21-02

ER #: A -186310 DATE: 04/16/01 ORDER #: 183391

N: A -162059

RT # MZ4222
STARTER

MANUFACTURER:
PRESTOLITE

MFG. S/N:

CUSTOMER PO#:
S24822

REPAIR CODE: NO

DESCRIPTION: NEW ORDER, CHARGE CORE

BILL TO: 4390
AMR COMBS AIRCRAFT PARTS INT'L

3778 DISTRIPLEX DRIVE NORTH
MEMPHIS, TN 38118

SHIP TO: 4390
AMR COMBS AIRCRAFT PARTS INT'L

4477 GETWELL ROAD
MEMPHIS, TN 38118

AERO ELECTRIC INC.
FAA CERTIFIED REPAIR STATION NV2R045L
(316) 943-6100
3414 WEST 29th STREET SOUTH
WICHITA, KANSAS 67217

A -186310

Order Qty: 15

INSPECTION RECORD	DATE	INIT.
HIDDEN DAMAGE	4-17-01	
PRELIMINARY	4-17-01	
IN PROCESS	4-19-2001	
FINAL INSPECTOR	APR 2 0 2001	
MAINTENANCE RELEASE	APR 2 0 2001	
THIS ITEM IS AIRWORTHY	APR 2 0 2001	
SVC BLTN: ASM-7	APR 2 0 2001	
OM OE-A1	APR 2 0 2001	

FUNCTIONAL TEST	
VOLTS	10.0/4.0
AMPS	75/LK560
VOLTAGE DRAW	10.0/LK-4
TORQUE	37.5
RPM	1600
FIELD CURRENT	
ROTATION	CW/DE

INSPECTOR STAMP: JJ DATE: APR 2 0 2001

SPECIAL INSTRUCTIONS

Warranty Determination -

Insp. _____ Date APR 2 0 2001

Mechanic _____ 134 Date 4-17-01

QTY.	R	PART
		1) 01: MISC HARDWARE
1	N	2) 148427: BEARING M8121
1	N	3) 192291: BEARING B1314
		4) 90-601: SPACER KIT*
		5) AE924 K: SHAFT MZ,MHB2399
		6) AE929: BUSHING MHB,MZ2400
		7) E17: BRUSH
1	R	8) EBB131A R: BENDIX
		9) MZ1390: GEAR HOUSING*
		10) MZ2399 R: ARMATURE 3100AE*
		11) MZ2400: C E HOUSING*
		12) MZ24A: BAND*
		13) MZ298: BUSHING*
1	N	14) MZ3005GS: FIELD SET*
1	N	15) MZ326A: BENDIX SHAFT
		16) MZ393: GREASE PLATE
		17) MZ396: GEAR*
1	N	18) PS1432C: BENDIX HOUSING*
1	N	19) S770: BATTERY TERM KIT
1	N	20) Z99501: BEARING 6201LLB

APR 18 2001

INSPECTION SUPPLEMENT AND WORK ORDER

ohn D. Odegard School
f Aerospace Sciences
Iniversity of North Dakota
ox 9007 University Station
rand Forks, ND 58202-9007

WKO#: 1025414
Mech: TWC
Shop Code: F
Equip Code: A
Opened: 1/29/2003 14:51

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl)
Date closed: 1-29-03

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

#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,147.7 A/F Tach: 1,510.8 Init

art#	Serial#	Description	TSO	Total Time
A28R-201	2844039	AIRFRAME (ARROW)	1,683.2	1,683.2
)-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,683.2	1,683.2
2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,683.2	1,683.2

D	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
	Phase 4 Insp	05/20	1	Completed Phase 4	05/20	N	1/29	5.0		[illegible]	JEB
	Due			Insp. Next Due		N	1/29	4.0		AJJ	JEB
	Compressions			@ 1567.6							
	#1 78/80 #3 75/80										
	#2 75/80 #4 78/80										
				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 Propeller and was determined to be in airworthy condition, and is approved for return to service Certified Repair Station OG5R092N Authorized Signature [signature] Date 1-29-03							
	Landing Lt Insp	33/40	1	R+R Landing	33/40	N	1/29	.2		AJJ	JEB
				light		N	1/29	.1		[illegible]	JEB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1025414

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	AD 2002-26-01 Fuel	04/00	1	Inspected Inj lines	04/00	N	1/29	.3		[redacted]	JEB
	Inj lines Insp Rec			IAW SB 342D							
	Amend 1-31-03			No defects noted							
				Next Due @ 1577.6							
4	AD 93-02-05 Inj	04/00	1	N/A Superseded	04/00	N	1/29	.1		[redacted]	JEB
	lines Amend 6-14-93			By AD 2002-26-01							

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 6

Reg#: (N) 789WD Work Order #: 102444

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
5	#2 cyl Intake gasket	72/30	1	R+R #2 cyl Intake	72/30	N	1/29	.2		AJJ	JEB
	leaking			Gasket leak / good		N	1/29	.1			JEB
6	Prop Nicked	61/00	1	Dressed Prop	61/00	N	1/29	.4		AJJ	JEB
						N	1/29	.1			JEB
7	Stabilator LH Static	23/60	1	R+R Stabilator	23/60	N	1/29	.1		AJJ	JEB
	Wick Broken			L/H static wick		N	1/29	.1			JEB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1025414

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
8	Fuel Boot fitting leaking	28/20	1	Tightened Fitting leak ✓ good	28/20	N	1/29	.2		[illegible]	[illegible]
9	L/H Wing Fuel Sump drain leaking	28/30	1	Purged Sump on L/H Wing, leak check good	28/30	N	1/29	.1		AJJ	[illegible]
						N	1/29	.1		[illegible]	[illegible]
10	RH Wing Bolt fairing missing	57/30	1	Installed R/H wing Bolt fairing	57/30	N	1/29	.1		AJJ	[illegible]
						N	1/29	.1		[illegible]	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER Page 5 of 6

Reg#: (N) 289ND Work Order #: 1025414

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
11	Trim Tab Screw Jack	55/20	1	Lubricated Trim Tab	55/20	N	1/29	.1		Ass	JEB
	needs lube			Jack screw. Opr		N	1/29	.1		[illegible]	JEB
				check good							
12	RH MLG TIRE	32/40	1	R&R RH MLG	32/40	N	1/29	.6		[illegible]	JEB
	Flatspotted			TIRE & Torqued							
				wheel halves to Specs.							
				Serviced to proper PSI							
13	Battery Box Cover	24/10	1	R&R Cover	24/10	N	1/29	.2		Ass	JEB
	Fasteners Broken out										
	of Cover										

INSPECTION SUPPLEMENT AND WORK ORDER

Page 6 of 6

Reg#: (N) 259AD

Work Order #: 1025414

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
14	Inspection Two	05/60	1	Insp	05/60	N	1/29	1.0			SEB

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 OGSR092N.

Authorized Signature

Date 1-29-08

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1025621
Mech: JDL
Shop Code: F
Equip Code: A
Opened: 2/6/2003 15:05

OBTAIN ALL INITIALS BEFORE FILING

R/A: N/A
Parts (opt'l): N/A

Date closed: 2-6-03

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

N#: N288ND Acft Type: ARRO Model: PA28R-201 Bill Meter: 2,177.4 A/F Tach: 1,532.8 Init: [illegible]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,705.2	1,705.2
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,705.2	1,705.2
B2D34C213	000909	PROPELLER (B2D34C213-B/G-80DHA	1,705.2	1,705.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Extended 40° Flaps at 110 KIAS	27 50	1	Removed rear seats, and floor. Insp. flap system no defects found at this time, ops check Good at this time. Installed floor and rear seats.	27 50	N	2/6	1.2		[illegible]	[initials]
2	Static wick missing on right flap	23 60	1	Installed New static wick on right flap	23 60	N	2/6	.3		[illegible]	[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: 2/06/03

INSPECTION SUPPLEMENT AND WORK ORDER

Page 1 of 1

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO# 1025777
Mech PDH
Shop Code: F
Equip Code A
Opened 2/11/2003 15:00

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed 2-12-2003

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

N# N269ND AcftType: ARRO Model: PA28R-201 Hr Meter: 2,203.4 A/F Tach: 1,552.8 Init JDR

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844049	AIRFRAME (ARROW)	1,725.2	1,725.2
IO-360-C1C6	L2938E-1A	ENGINE (ARROW)(APPL#9325)	1,725.2	1,725.2
82034C213	00090-	PROPELLER (82034C213-BA3-90DHA	1,725.2	1,725.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	Dt	Mech	Insp
1	GPS indicated low voltage - ammeter indicated charge. ADF flickered on & off in sync. with strobes - Lights dim.	24 30	1	Inspected & tightened alternator & battery feeder connections at bus, shunt, & alternator. Found & cleaned corroded positive battery cable terminal. Placed battery on charged.	24 30	N	2/11	.5		PDH	
			2	Reinstalled battery. Ran aircraft and found alternator would not carry an electrical load. Removed alternator P/N 1618 S/N A158628. Installed P/N ALX-8521 S/N C120130 Operational check good	24 30	N	2/12	2.0		JDR	

Jail D. Robbins
A&P 474025655

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	C120130

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
ELECTROSYSTEMS, INC., P.O. BOX 273, AIRPORT COMPLEX, FORT DEPOSIT, AL. 36032	W/O: M107300

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 **********	C120130	OVERHAUL

13. Remarks:

A COPY OF WORK ORDER AVAILABLE ON REQUEST FROM ELECTROSYSTEMS, INC.

CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE WITH JAR 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER JAA ACCEPTANCE CERTIFICATE NUMBER: JAA.4418

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 IN CONJUNCTION WITH ESI MANUAL OE-A1 &LATEST REV FAA DESIGN DATA

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:		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/Certificate No: UT2R226L
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): STACY TOLLIVER	23. Date (m/d/y): 12/02/02

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

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1025911
Mech: SJC
Shop Code: F
Equip Code: A
Opened: 2/17/2003 7:06

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)
Date closed: 2/17/2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,226.1 A/F Tach: 1,569.9 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,742.3	1,742.3
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL#9325)	1,742.3	1,742.3
B2D34C213	000909	PROPELLER (B2D34C213-B/G-90DHA	1,742.3	1,742.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Rt front seat cannot be adjusted fore or aft	2510	1	adjusted Rt seat cable - opn ckd OK	2510	N	2/17	.5		SOL	

Stephen Campbell
H&P 502767224

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1025957
Mech: JJV
Shop Code: W
Equip Code: A
Opened: 2/18/2003 14:04

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 2-18-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,227.1 A/F Tach: 1,570.5 Init ____

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,742.9	1,742.9
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,742.9	1,742.9
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,742.9	1,742.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Aircraft dirty	12 20	1	Washed and Vac	12 20	N	2/18	1.0		JJV	

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1025958
Mech: HES
Shop Code: F
Equip Code: A
Opened: 2/18/2003 14:47

OBTAIN ALL INITIALS BEFORE FILING

RIA
Parts (opt'l)

Date closed: 02/18/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,227.1 A/F Tach: 1,570.5 Init HES

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,742.9	1,742.9
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,742.9	1,742.9
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,742.9	1,742.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Phase 1 Due	05 20	1	Inspected Aircraft	05 20	N	02/18	3.1		HES	
				Phase 2 Due: 1627.6		N	02/18	4.0		JMA	
				I certify that this aircraft has been inspected in accordance with Phase 1 inspection, including, as applicable a routine inspection of wings, landing gear, engine, and propeller and detailed inspection of cabin, fuselage and empennage and was determined to be in airworthy condition, and is approved for return to service. Certified Repair Station OG5R098 Authorized Signature Date 02/18/03						
2	Tire Test Ck Due	32 40		Replaced Tires on AD 17-18 Next Due: 1627.6, CW Insp Checklist	32 40	N	02/18	.2		HES	

INSPECTION SUPPLEMENT AND WORK ORDER

Page 2 of 7

Reg#: (N) 289WA

Work Order #: 10259758

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	AD 2002-26-01 Due	0400	1	C/W AD 2002-26-01	0400	N	02/18	.2		HES	
				Rev date: 01/31/03							
				Next due: 1637.6							
4	Induction Air Filter	0520	1	Removed & Replaced	7160	N	02/18	.2		JMA	
	Due Time Change			Induction Air Filter			02/18	.2		HES	
				Next Due: 1770.5							
5	Landing Light Insp	3340	1	Removed & Replaced	3340	N	02/18	.2		JMA	
				Landing Light, ops ck			02/18	.1		HES	
				good							
6	Cotter Pin on Aft	7110	1	Replaced Cotter	7110	N	02/18	.1		HES	
	left engine cowling			Pin							
	latch Broken										

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 7

Reg#: (N) 389MA Work Order #: 1025958

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	left Stiffner on Pilots	2510	1	REMOVED AND REPLACED	2510	N	02/18	.4		JM	
	Seat back cracked			LEFT STIFFNER ON			02/18	.1		HES	
				PILOTS SEAT BACK, USED SAME TYPE							
				material + rivited IAW AC43.13-1B para 4-57							
8	AFT Stabilator Trim	2730	1	Replaced Cable	2730	N	02/18	1.5		HES	
	cable frayed										
9	left brakes	32 40	1	Replaced Brakes	32 40	N	02/18	.3		HES	
	worn										

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 7

Reg#: (N) 289WS Work Order #: 10259958

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
10	Cotter pin broken	3220	1	Removed & Replaced	3220	N	02/18	.2		JMA	
	on foreward bolt on			Cotter Pin on Fwd			02/18	.1		AES	
	shimmy dampner			Shimmy Dampner Bolt							
11	Prop Nicked	6100	1	Fixed & Rotated Prop	6100	N	02/18	.4		JMA	
							02/18	.1		AES	
12	Terminal on Aux	3900	1	Installed Boot	3900	N	02/18	.1		HES	
	Vac pump Missing Boot										
13	Several Pulleys	2700	1	Cleaned + lubed	2700	N	02/18	.2		HES	
	stick in Quadrant			pulleys							
	under Rear Seat										

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289NA

Work Order #: 1025958

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
14	Right Grommet for engine Top Cowling Worn through	7110	1	Replaced Grommet	7110	N	02/18	.2		HES	
15	Pilots Shoulder Harness Reel Frozen	2510	1	Replaced Shoulder Harness + lap belt, canned parts from 245NA WO# 1025484 ptt# 9, updated w+B	2510	N	02/18	.8		HES	
16	Cotter PiN Broken ON Pilots left Brake peddal	2720	1	Replaced Cotter PiN	2720	N	02/18	.1		AES	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289NA

Page 6 of 7

Work Order #: 1025958

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
17	Left Tire Req's	3240	1	Removed & Replaced	3240	N	02/18	.1		HES	
	Replacement for Test			LEFT MAIN TIRE, old		N	02/18	.3		JMA	
	check			Tire Serviceable							
				S# 23530546							
18	Right Tire Req's	3240	1	Removed & Replaced	3240	N	02/18	.1		HES	
	Replacement for Test			RIGHT MAIN TIRE		N	02/18	.3		JMA	
	Check			old Tire unserviceable							
				S# 23530596							
19	AFT Bottom	2730	1	Installed New	2730	N	2/18	.4		JRH	
	Stabilator Cable			Stabilator Cable			2/18	.5		HES	
	Frayed										

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289NS

Work Order #: 1025958

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
20	Inspector Time	0560	1	Time	05 60	N	02/18	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 2-18-03							

1. tional Aviation /Country: UNITED STATES	2. **AUTHORIZED RELEASE CERTIFICATE** FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number. **W149861-174233-2**
nization Name and Address.	**Pacific Scientific** **AVIATION SERVICES COMPANY** **11700 NW 102nd ROAD** **SUITE 6** **MIAMI, FL 33178**	5. Work Order, Contract or Invoice Number: JASON SUNDBLY

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	14	N/A	REPAIRED

13. REMARKS **Unit was repaired IAW manufacturer drawing 1107447 REV N 7/2/01.**

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

14. Certifies the items identified above were manufactured in conformity to:	19. [X] 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):	23. Date (m/d/y):
		MARTIN WEISS	12/11/2002

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

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026083
Mech: SFB
Shop Code: F
Equip Code: A
Opened: 2/23/2003 14:37

OBTAIN ALL INITIALS BEFORE FILING

R/A [signature]
Parts (optl) [signature]

Date closed: 2/23/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,248.9 A/F Tach: 1,587.2 Init SB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,759.6	1,759.6
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,759.6	1,759.6
B2D34C213	000909	PROPELLER (B2D34C213-B/G-90DHA	1,759.6	1,759.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Throttle sticky	7610	1	Cleaned and lubed throttle cable @ controller. ✓ good	7610	N	2/23	.2		SB	
				[signature]							
				A&P346561074							

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026188
Mech: BJS
Shop Code: F
Equip Code: A
Opened: 2/26/2003 20:49

OBTAIN ALL INITIALS BEFORE FILING

R/A BJS
Parts (opt) AF
Date closed: 2/26/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,271.2 A/F Tach: 1,808.6 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,779.0	1,779.0
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,779.0	1,779.0
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,779.0	1,779.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	baggage door stuck Closed Shut does not open	5730	1	Inbd baggage door latch ops check OK	5730	N	2/26	.2		BJS	BJS

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 2/26/03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026240
Mech: ADC
Shop Code: F
Equip Code: A
Opened: 2/28/2003 13:02

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)
Date closed: 2-28-2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,279.1 A/F Tach: 1,811.1 Init JES

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,783.5	1,783.5
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,783.5	1,783.5
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,783.5	1,783.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Total Electrical failure	24/30	1	Found alternator belt broken. Replaced belt. Charging system Operationally check good	24/30	N	2/28	2.5		JES	JES

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 2-28-03

INSPECTION SUPPLEMENT AND WORK ORDER

John D ~~Odegard~~ School of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026451
Mech: RMK
Shop Code: F
Equip Code: A
Opened: 3/7/2003 14:30

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 3/8/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,304.9 A/F Tach: 1,630.5 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,902.9	1,802.9
IO-360-C1C6	L2936851A	ENGINE (ARROW)(APPL# 9325)	1,802.9	1,802.9
B2D34C213	000908	PROPELLER (B2D34C213-B/G-90DHA	1,802.9	1,802.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1.	PHASE 2 DUE	05 20	1	COMPLETED PHASE #2	05 20	N	3/7	.5		CJS	
				PHASE #2 DUE @ 1687.6	05 20	N	3/7	4.8			
1	80/80					N	3/7	3.0		PKM	
2	79/80										
3	79/80										
4	80/80										

certified that this aircraft has been inspected in accordance with PHASE 2 Inspection of FUSELAGE, EMPENNAGE, CABIN, WINGS & LANDING GEAR and ENGINE & PROPELLER and found airworthy and a list of discrepancies and unairworthy items follows by problem description number: 13

Certified Repair Station OG5R092H
Authorized Signature
Date 3-7-2003

2.	TIRE TEST CHECK	04 00	1	Performed tire test	32 HP	N	3/7	.4		PKM	
	DUE			check		N	3/7	.1			MRS

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289WD

Work Order #: 1026457

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	AD2002-26-01 FUEL INJ	0400	1	COMPLETED INSP IAW	0400	N	3/7	.2		[signature]	[signature]
	LINES INSPECTION			AD2002-26-01							
	DATED 1-31-03			NO DEFECTS NOTED							
				NEXT DUE @ 1697.6							
4	#2,3,#4 INTAKE GASKETS	7230	1	Removed and replaced #2	7230	N	3/7	.4		PKM	[signature]
	LEAKING			#3 and #4 cyl intake gaskets		N	3/7	.1		[signature]	[signature]
5	RT MAG GASKET LEAKING	7210	1	Removed and replaced	7210	N	3/7	.4		PKM	[signature]
				R/H magneto gasket. Timed		N	3/7	.1		[signature]	[signature]
				mag to 20° BTDC							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 738ND

Work Order #: 1026451

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	LOWER COWLING RT	7/10	1	REMOVED & REPLACED	7/10	N	3/7	.1		CJS	
	GROMMET TORN			GROMMET		N	3/7	.1			
7	HEAT SHROUD TUBE GOING	7/60	1	REMOVED & REPLACED	7/60	N	3/7	.1		CJS	
	TO COWLING TORN			HEAT SHROUD BOOT		N	3/7	.1			
8	MANIFOLD PRESSURE	7/10	1	TIGHTENED CONNECTION	7/10	N	3/7	.1			
	CONNECTION ON ENGINE										
	LOOSE										

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1026451

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	VACUUM LIGHT UPPER	7540	1	REMOVED & REPLACED	7540	N	3/7	.2		PKM	[illegible]
	BULB BURNED OUT			UPPER BULB		N	3/7	.1		[illegible]	[illegible]
				OPS V GOOD							
10	RT BRAKE PADS WORN	33/40	1	REMOVED & REPLACED	33/40	N	3/7	.2		[illegible]	[illegible]
				RT BRAKE PADS							
11	PROP NICKED	61/10	1	DRESSED PROP	61/10	N	3/7	.5		[illegible]	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER

Work Order #: 1026451

...on (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
	27/10	1	LUBED YOKES	27/10	N	3/7	.1		[illegible]	SB
...V	7/10	1	REMOVED & REPLACED COWL PIN	7/10	N	3/7	.4		[illegible]	[illegible]
			ON CURE UNTIL 3-8-2003 A.M.							
	71/10	2	Installed Top cowl	71/10	N	3/8	.1		[illegible]	[illegible]
...NED OUT	3340	1	REMOVED & REPLACE BULB	3340	N	3/7	.1		[illegible]	SB
			OPS V GOOD							
	0560	1	Insp	0560	N	3/7	.5		-	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 OG5R[illegible]

Authorized Signature [illegible]
Date 3-8-03

INSPECTION SUPPLEMENT AND WORK ORDER

Work Order #: 102645I

n (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
	27/10	1	LUBED YOKES	27/10	N	3/7	.1			
	7/10	1	REMOVED & REPLACED CONE PIN	7/10	N	3/7	.4			
			ON CORE UNTIL 3-8-2003 A.M.							
	71/10	2	Installed Top cowl	71/10	N	3/8	.1			
ED OUT	33/40	1	REMOVED & REPLACE BOLB	33/40	N	3/7	.1			
			OPS V GOOD							
	0560	1	Insp	0560	N	3/7	.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 OG3R088K.							
			Authorized Signature Date 3-8-03							

INSPECTION SUPPLEMENT AND WORK ORDER Page 5 of 5

Work Order #: 1026451

n (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
	27/10	1	LUBED YOKES	27/10	N	3/7	.1			
	7/10	1	REMOVED & REPLACED COWL PIN	7/10	N	3/7	.4			
			ON COWL UNTIL 3-8-2003 A.M.							
	71/10	2	Installed Top cowl	71/10	N	3/8	.1			
ED OUT	33/40	1	REMOVED & REPLACE BULB	33/40	N	3/7	.1			
			OPS V GOOD							
	05/60	1	Insp	05/60	N	3/7	.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 OG2R004K							
			Authorized Signature Date 3-8-03							

INSPECTION SUPPLEMENT AND WORK ORDER

Page 1 of 1

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026853
Mech: JDL
Shop Code: F
Equip Code: A
Opened: 3/28/2003 13:43

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)
Date closed: 3-28-03

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

A/C#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,360.4 A/F Tach: 1,674.2 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,946.6	1,946.6
O-360-C1C6	L2936851A	ENGINE (ARROW)	1,946.6	1,946.6
2D34C213	000909	PROPELLER ARROW	1,946.6	1,946.6

ID	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Oil Leaking Under the Engine	79 00	1	Cleaned engine with solvent, ran Aircraft, Insp. and found no oil leaks at this time, eqpt check Good at this time.	79 00	N	3/28	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 3/28/03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026866
Mech: KDC
Shop Code: A
Equip Code: A
Opened: 3/29/2003 10:46

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (opt) [initials]
Date closed: 3/29/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,361.9 A/F Tach: 1,675.0 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,847.4	1,847.4
IO-360-C1C6	L2936851A	ENGINE (ARROW)	1,847.4	1,847.4
B2D34C213	000908	PROPELLER ARROW	1,847.4	1,847.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	HSI INOP IN	34 40	1	RESET CIRCUIT BREAKER	34 40	N	3/29	0.4		KR	[initials]
	SLAVE AND FREE			CHECKS Good	34 40	N	3/29	0.4		BSS	[initials]
	Modes										
2	TURN Coordinator	34 20	1	REMOVED AND REPLACED	34 20	N	3/29	1.1		KR	[initials]
	IS NOISY AND			TURN Coordinator	34 20	N	3/29	0.2		BSS	[initials]
	Slow to show			INSTALLED. CHECK Good							
	WINGS Level AFTER			P/N 1394T100-7Z							
	COMPLETION OF TURNS			S/N 2003-284							
	DURING TAXI										
	REMOVED										
	PN ~~1394T100-7Z~~ 548-190										
	S/N 9910-30										

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 3-29-03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. ~~Odegard~~ School of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026904
Mech: BTM
Shop Code: F
Equip Code: A
Opened: 3/31/2003 11:34

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 3/31/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,375.3 A/F Tach: 1,885.6 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,858.0	1,858.0
IO-360-C1C6	L2936851A	ENGINE (ARROW)	1,858.0	1,858.0
B2D34C213	000908	PROPELLER ARROW	1,858.0	1,858.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Rt flap static wick miss.	27 60	1	replaced static wick.	27 60	N	3/31	.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 3-31-03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026931
Mech: JJV
Shop Code: W
Equip Code: A
Opened: 4/1/2003 14:12

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 4-1-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,381.6 A/F Tach: 1,690.8 Init _____

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,863.2	1,863.2
IO-360-C1C6	L2936851A	ENGINE (ARROW)	1,863.2	1,863.2
B2D34C213	000908	PROPELLER ARROW	1,863.2	1,863.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Aircraft dirty	12 20	1	Washed and Vac.	12 20	N	4/1	1.0		JJV	

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026937
Mech: JDL
Shop Code: F
Equip Code: A
Opened: 4/1/2003 15:01

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 4/4/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,381.6 A/F Tach: 1,690.8 Init

289ND

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,863.2	1,863.2
IO-360-C1C6	L2936851A	ENGINE (ARROW)	1,863.2	1,863.2
B2D34C213	000908	PROPELLER ARROW	1,863.2	1,863.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Phase 3 Insp. Due	05 20	1	Started Phase 3 Insp.	05 20	N	4/1	6.0			
		05 20	2	Phase 3 Insp. complete, Next Phase 4 Insp. Due 1747.6	05 20	N	4/2	3.5			
				certify that this aircraft has been inspected in accordance with a Phase 3 inspection, including, as applicable, a routine inspection of engine, propeller, ~~wings~~, cabin, fuselage, empennage, and detailed inspection of wings and landing Gear 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 4-2-03							
2	Test Tire check Due Effective Date 2-5-03	32/40	1	Inspected tires iaw Goodyear Michelin Tire Evaluation Installation + Inspection check list Next Time due 1747.6 Tach.	32/40	N	4/1	.4			

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 8

Reg#: (N) N289NP Work Order #: 1026937

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	4/1	.4			
	Fuel Inj. Lines			lines, no defects							
	Insp.			found at this time.							
	Effective Date			Next Due 1757.6							
	1-31-03										
4	SB 1122	04 00	1	N/A Due to Aircraft	04 00	N	4/1	.2			
	Wing Rib Insp.			S/N 2844039							
	Effective Date										
	3-7-03										

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 8

Reg#: (N) N289NP Work Order #: 1026937

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
5	Spring on the nose Gear is Broken	32/20	1	R&R spring	32/20	N	4/1	.4			UND CAS 20 INSP
6	Dome Light is Inop.	33/10	1	R&R Dome Light Bulb, ops check Good	33/10	N	4/1	.2			UND CAS 20 INSP
7	Co-Pilots Right Rudder Pedal Pad is missing	27/20	1	Located and Installed Co-Pilots right rudder Pedal Pad	27/20	N	4/1	.3			UND CAS 20 INSP

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 8

Reg#: (N) N289NP Work Order #: 1026937

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
8	Landing Light is	33/40	1	R&R Landing	33/40	N	4/1	.5			UND CAS 20 INSP
	Inop.			light ops check							
				OK							
9	Left fuel drain	28/30	1	R&R fuel drain	28/30	N	4/1	.3			UND CAS 20 INSP
	is leaking			ops check OK							
10	Prop. has Nicks	61/00	1	Dressed Prop	61/00	N	4/1	.2		JRH	UND CAS 20 INSP
							4/1	.1			UND CAS 20 INSP
11	Both control yokes	27/30	1	Cleaned yokes	27/30	N	4/1	.1		JRH	UND CAS 20 INSP
	are sticky						4/1	.1			UND CAS 20 INSP

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) N289NP

Work Order #: 1026937

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
12	Oil Cooler winter	~~72~~ ~~50~~	1	Removed Oil	~~72~~ ~~50~~	N	4/1	.2		[signature]	UNO CAS 20 INSP
	Plate needs to be	71 70		Cooler winter	71 70						
	removed			Plate							
13	Inboard static wick	23 60	1	~~Replaced~~ Installed Inboard	23 60	N	4/1	.2		JRH	UNO CAS 20 INSP
	on right Aileron is			static wick on			4/1	.1		[signature]	UNO CAS 20 INSP
	missing			right Aileron							
14	Left Brake Disc	32 40	1	R&R Left	32 40	N	4/1	.2		JRH	UNO CAS 20 INSP
	worn Beyond Limits			Brake Disc [signature]			4/1	.1		[signature]	UNO CAS 20 INSP

INSPECTION SUPPLEMENT AND WORK ORDER Page 6 of 8

Reg#: (N) N284ND Work Order #: 1026937

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
15	Right Aileron Outboard Pulley sticks	27/10	1	Lubed Pulley ops check Good	27/10	N	4/1	.2			
16	Nose Gear needs to be shimmed	32/20	1	Shimmed nose Gear strut	32/20	N	4/1	1.0			
17	Left MLG Top and Bottom Torque Link Bushings are worn out	32/10	1	Removed Upper & lower torque links & Reamed Old bushings & Installed new bushings in Upper & lower Strut & Torque link cont. bolt & reamed holes to size Installed torque links with new bolts & Tightened nuts & safetied. Greased torque link pivots. Ops Good	32/10	N	4/2	2.0			

INSPECTION SUPPLEMENT AND WORK ORDER Page 7 of 8

Reg#: (N) N289ND Work Order #: 1026937

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
18	Right MLG Top and Bottom Torque Link Bushings are worn out	32 10	1	Removed Upper & lower torque links & Removed old bushings. Installed new bushings in upper & lower strut & center torque link pivots & reamed holes to size. Assembled torque link w/ new upper bolt & center bolt but did not tighten or safety. Ordered new bolt for bottom torque link pivots.	32 10	N	4/2	1.5		[redacted]	JTC
		32 10	2	Installed new bolt for bottom torque link pivot, tightened and safetied, tightened top torque link and safetied, tightened center torque link and safetied. Ops check Good at this time., Greased torque link Pivots	32 10	N	4/4	1.2		[redacted]	JTC

INSPECTION SUPPLEMENT AND WORK ORDER

Page 8 of 8

Reg#: (N) N289ND

Work Order #: 1026937

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
19	Inspectors Time	05 60	1	Time	05 60	N	4/2	.8		ROH	UHS CAS 20 INSP
						N	4/2	1.2		ROH	UHS CAS 20 INSP
				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 4/4/05							

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1027194
Mech: BSS
Shop Code: A
Equip Code: A
Opened: 4/12/2003 9:59

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 4/12/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,434.6 A/F Tach: 1,733.9 Init BSS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,906.3	1,906.3
IO-360-C1C6	L2936851A	ENGINE (ARROW)	1,906.3	1,906.3
B2D34C213	000909	PROPELLER ARROW	1,906.3	1,906.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	HSI flagged, doesn't move in slave or free mode. Failed in flight	34 40	1	Found CB popped. Reset CB and Ran A/C. Ran A/C up w/ variable power and electrical load settings. Could not duplicate pilot descrep. All ops checks good.	34 40	N	4/12	1.0		BSS	

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 4/12/03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1027320
Mech: RMK
Shop Code: F
Equip Code: A
Opened: 4/17/2003 7:01

OBTAIN ALL INITIALS BEFORE FILING

R/A: DP
Parts (opt'l): IS

Date closed: 4.17.2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,468.7 A/F Tach: 1,751.7 Init: RMK

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	1,924.1	1,924.1
IO-360-C1C6	L2936851A	ENGINE (ARROW)	1,924.1	1,924.1
B2D34C213	000908	PROPELLER ARROW	1,924.1	1,924.1

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1.	PHASE #4 DUE	05 20	1	COMPLETED PHASE 4	05 20	N	4/17	48		RMK	
				PHASE 1 DUE @ 1807.6							
	/										
1	76/80										
2	75/80										
3	78/80			I certify that this aircraft has been inspected in accordance with PHASE 4 inspection, including, as applicable a routine inspection of FUSELAGE, CABIN, EMPENNAGE, WINGS &							
4	78/80			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 OG5R002N Authorized Signature [signature] Date 4.17.2003							
2	AD 2002-26-01 FUEL	0400	1	COMPLETED AD NO	0400	N	4/17	.2		RMK	
	INJECTION LINES			DEFECTS NOTED							
	DUE INSP										
	DATED 01/31/2003										

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 5

Reg#: (N) 389 ND Work Order #: 1087320

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	TIRE TEST CHECK DUE	0400	1	COMPLETED TIRE TEST	0400	N	4/17	.5		[illegible]	
				INSPECTION. SEE TIRE							
				TEST INSP CHECKLIST FOR							
				DETAILS							
4	INDUCTION AIR FILTER	0520	1	REMOVED & REPLACED AIR	7160	N	4/17	.2		[illegible]	
	DIRTY			FILTER							
				NEXT DUE @ 1951.7							
5	AFT MUFFLER DUE	7820	1	REMOVED & REPLACED	7820	T	4/17	1.0		[illegible]	
	TIME CHANGE			AFT MUFFLER							
	PN 67517-00R			PN 67517-000							
	SN 12827			SN 15336							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1037320

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	UPPER COWLING LT BUSHING	7/10	1	REMOVED & REPLACED	7/10	N	4/17	.1		[signature]	[signature]
	HORN			LT COWL BUSHING							
7	RT WING INBD STATIC	2360	1	REMOVED & REPLACED	2360	N	4/17	.2		[signature]	[signature]
	WICK BROKEN			RT WING INBOARD STATIC							
				WICK							
8	HEAT RISER DUCT (RUBBER	2140	1	REMOVED & REPLACED	2140	N	4/17	.2		[signature]	[signature]
	BOOT) HAS HOLE IN IT			RUBBER BOOT							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1029320

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	RT ML6 TIRE PRESSURE LOW	32/40	1	SERVICED RT ML6 TIRE	12/10	N	4/17	.2		[signature]	UND CAS S INSP.
				PRESSURE							
10	PROP NICKED	6/10	1	DRESSED PROP	6/10	N	4/17	.3		[signature]	UND CAS S INSP.
11	YOKES STICKY	27/10	1	CLEANED YOKES	27/10	N	4/17	.1		[signature]	UND CAS S INSP.

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 28900

Work Order #: 1027320

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
12	INSP TIME	05/60	1	Billing for Insp Time	05/60	N	4/17	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 OC5R092N.

Authorized Signature

Date 4-19-2023

INSPECTION SUPPLEMENT AND WORK ORDER

Page 1 of 1

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKOs: 1027726
Mech: AFS
Shop Code: 1
Equip Code: 2
Opened: 4/3/2003 16:39

OBTAIN ALL INITIALS BEFORE FILING

R/A: [signature]
Parts (opt): [signature]
Date closed: 5/3/03

Customer: UND Acct#: 1244 0619 47 Preliminary Insp: DRK In Progress Insp: DRK

N/A N259ND Ac/Type: ARRO Model: PA28R-201 Bill Meter: 2,332.3 A/T Tech: 1,809.6 Initial: AFS

Part#	Serial#	Description	TSC	Total Time
PA28R-201	2344039	AIRFRAME (ARROW)	1,932.0	1,902.0
IC-360-C-C6	L293665	ENGINE (ARROW)	1,902.0	1,902.0
B2D34C2	000906	PROPELLER ARROW	1,902.0	1,902.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	R/A LANDING LIGHT INOP.	33/40	1	R+R LANDING LIGHT OPS CHECK GOOD.	33/40	N	5/3	.1		AJ	DRK
							5/03	.1		AFS	DRK

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 OG5R992N.

Authorized Signature: [signature]
Date: 5/3/2003

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

5.5.03

JEB JEB

Parts	Serial	Description	[illegible]	[illegible]
[illegible]	[illegible]	AIRFRAME (ARROW)	[illegible]	[illegible]
[illegible]	[illegible]	ENGINE (ARROW)	[illegible]	[illegible]
[illegible]	[illegible]	PROPELLER (ARROW)	[illegible]	[illegible]

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	[illegible]	[illegible]	Mech	[illegible]
1.	PHASE 1 DUE	0520	1	COMPLETED PHASE 1 PHASE 2 DUE @ 1867.6	0520	N	5/5	4.8		[illegible]	JEB

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, EMPENNAGE & CABIN and was determined to be in airworthy condition, and is approved for return to service

Certified Repair Station OG5R092N

Authorized Signature [signature]

Date 5.5.03

2.	AD2002-26-01 FUEL INJECTION LINES DUE INSPECTION DATED 01/03/2003	0400	1	COMPLIED WITH AD NO DEFECTS NOTED NEXT DUE @ 1877.6	0400	N	5/5	.1		[illegible]	JEB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289NS

Work Order #: 1027936

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	TEST TIRE CHECK DUE	04 00	1	COMPLETED TIRE TEST	04 00	N	5/5	.3		[signature]	[signature]
				INSP. SEE TIRE TEST							
				CHECKLIST FOR DETAILS							
4	CO PILOT SEAT WILL	25 10	1	ADJUSTED CABLE	25 10	N	5/5	.1		[signature]	[signature]
	NOT ADJUST FOREWARD			OPS ✓ GOOD							
	OR AFT										
5	NOSE TIRE WORN	32 40	1	R & R NOSE TIRE	32 40	N	5/5	.5		[signature]	[signature]

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 789ND

Work Order #: 1027736

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	BATTERY LOW ON	2430	1	SERVICED BATTERY WITH	1210	N	5/5	.1		[signature]	[signature]
	FLUID			DISTILLED WATER &							
				CHARGED							
7	BATTERY BOX BROKEN	2430	1	R&R BATTERY BOX	2430	N	5/5	.5		[signature]	[signature]
8	RT FND COWL	710	1	R&RD BUSHING	710	N	5/5	.1		[signature]	[signature]
	BUSHING WORN										

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 6

Reg#: (N) 189ND Work Order #: 1027736

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	BRAKE RESERVOIR LOW	29/0	1	SERVICED RESERVOIR	12/0	N	5/5	.1		[illegible]	[illegible]
10	NOSE LANDING GEAR MIDPOINT ON SCISSORS COTTER PIN BENT	3220	1	R&RD COTTER PIN	3220	N	5/5	.1		[illegible]	[illegible]
11	RT BRAKES WORN	3240	1	R&RD BRAKE PADS	3240	N	5/5	.2		[illegible]	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER Page 5 of 6

Reg#: (N) 189ND Work Order #: 1027736

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
12	PROP NICKED	6/10	1	DRESSED PROP	6/10	N	5/5	.6		[signature]	[signature]
13	YOKES STIFF	27/10	1	CLEANED YOKES	27/10	N	5/5	.1		[signature]	[signature]
14	ALL TIRE PRESSURES LOW	32/40	1	SERVICED TIRES	12/10	N	5/5	.5		[signature]	[signature]

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1027736

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
15	AILERON CABLE TENSION LOW	2710	1	ADJUSTED CABLE TESION	2710	N	5/5	.6		[illegible]	[illegible]
16	INSP TIME	0560	1	INSP.	0560	N	5/5	1.0			[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 5-5-05

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028073
Mech: JEB
Shop Code: F
Equip Code: A
Opened: 5/21/2003 7:05

OBTAIN ALL INITIALS BEFORE FILING

R/A JEB
Parts (opt) N
Date closed: 5-21-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,583.2 A/F Tach: 1,848.5 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,020.9	2,020.9
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,020.9	2,020.9
B2D34C213	000908	PROPELLER ARROW	2,020.9	2,020.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	On takeoff, cycled gear up - gear unsafe light did not turn off.	32 30	1	Insp gear sys + found emergency gear lever unseated. Reset emergency ext., cycled gear, ops check normal.	32 30	N	5 21	.7		JEB	[UND CAS]

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.

[UND CAS]

Authorized Signature
Date 5/21/2003

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028022
Mech: DPS
Shop Code: A
Equip Code: A
Opened: 5/19/2003 13:15

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 5-19-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,576.0 A/F Tach: 1,843.2 Init DPS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,015.6	2,015.6
IO-360-C1C6	L2936951A	ENGINE (ARROW)	2,015.6	2,015.6
B2D34C213	000908	PROPELLER ARROW	2,015.6	2,015.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	HSI heading sticks when A/C bank exceeds 30°. KG 102A S/N 44306 out S/N X44212 in	34/40	1	Cann'd DG from N287ND, WO# 1027781 PD4. R+R DG and HSI ops checks good.	34/40	2 A	5/19	1.5		DPS	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 5-19-03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028007
Mech: BSS
Shop Code: F
Equip Code: A
Opened: 5/18/2003 12:24

OBTAIN ALL INITIALS BEFORE FILING

R/A BSS
Parts (opt) BSS
Date closed: 5/18/03

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

N#: N288ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,674.4 A/F Tach: 1,841.8 Init BSS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,014.2	2,014.2
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,014.2	2,014.2
B2D34C213	000908	PROPELLER ARROW	2,014.2	2,014.2

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Co-pilot seat adjustment not working	25 10	1	Re-adjusted co-pilot seat cable. Ops checks good.	25 10	N	5/18	0.3		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 BSS
Date 5/18/03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028141
Mech: MRS
Shop Code: F
Equip Code: A
Opened: 5/24/2003 11:25

OBTAIN ALL
INITIALS BEFORE FILING

R/A
Parts (opti)
Date closed: 5-24-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,603.1 A/F Tach: 1,864.1 Init MRS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,036.5	2,036.5
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,036.5	2,036.5
B2D34C213	000908	PROPELLER ARROW	2,036.5	2,036.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Landing lights Inop - MEL'd	33-40	1	Removed + Replaced Landing lights, Ops checked Good	33-40	N	5/24	.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. Struck
Date 5-24-03

INSPECTION SUPPLEMENT AND WORK ORDER

ohn D. Odegard School
f Aerospace Sciences
niversity of North Dakota
ox 9007 University Station
rand Forks, ND 58202-9007

WKO#: 1028186
Mech: CRK
Shop Code: W
Equip Code: A
Opened: 5/27/2003 10:56

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 5/27/03

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

#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,813.5 A/F Tach: 1,872.3 Init CRK

ar#	Serial#	Description	TSO	Total Time
A28R-201	2844039	AIRFRAME (ARROW)	2,044.7	2,044.7
O-360-C1C6	L2936851A	ENGINE (ARROW)	2,044.7	2,044.7
2D34C213	000908	PROPELLER ARROW	2,044.7	2,044.7

D	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	A/C Requires Cleaning	12 20	1	Washed A/C	12 20	N	5/27	1.0		CRK	

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028196
Mech: ADC
Shop Code: F
Equip Code: A
Opened: 5/27/2003 14:59

OBTAIN ALL
INITIALS BEFORE FILING

R/A N/A
Parts (opt) N/A
Date closed: 5-28-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,613.5 A/F Tach: 1,972.3 Init [illegible]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,044.7	2,044.7
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,044.7	2,044.7
B2D34C213	000908	PROPELLER ARROW	2,044.7	2,044.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Phase 2 Inspection Due	05/20	1	Completed Phase 2 Inspection next due @ 1927.6	05/20	N	5/27	4.5		[illegible]	[illegible]
							5/28	4.5		[illegible]	[illegible]
	Compression Results #1 76/80 #3 74/80 #2 76/80 #4 77/80										
				I certify that this aircraft has been inspected in accordance with Phase 2 inspection including, as applicable a routine inspection of [illegible] and detailed inspection of [illegible] and was determined to be in airworthy condition, and is approved for return to service Certified Repair Station OG5R092N Authorized Signature [illegible] Date 5-28-03							
2	Exh Muffler Due For Replacement	78/20	1	R&R Removed Old Muffler P/N 67517-00R S/N 13229	78/20	T	5/27	.7		[illegible]	[illegible]
			2	Installed Muffler & Clamp P/N 65717-000 S/N 15330	78/20	T	5/28	1.0		[illegible]	[illegible]
				Hour Meter 1972.3							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289 ND

Page 2 of 6

Work Order #: 103196

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	Test time Check Due	05/50	1	Performed test tire	05/50	N	5/27	.2		NRH	SB
				check, next due at			5/27	-1			SB
				1937.6							
4	AD2002-26-01 Fuel	04/00	1	Inspected Fuel	04/00	N	5/27	.2			SB
	Line Insp Due			Inj lines IAW SB342D							
	Effective 1-31-03			Next Due @ 1937.6							
3	Prop Nicked	61/00	1	Filed Prop	61/00	N	5/27	.4			SB

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 6

Reg#: (N) 28WD Work Order #: 1028196

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	RH Lower Cowl Bushing Worn & Snap Ring missing	71/10	1	Replaced lower RH cowl bushing & spap ring	71/10	N	5/27	.3		NRH	SB
							5/27	.1			SB
7	RH out-board static which broken	23/60	1	R/R RH o/b static which w/new one	23/60	N	5/27	.2		NRH	SB
							5/27	.1			SB
8	Throttle Control Rod End Worn	76/10	1	R/R throttle control rod end w/new one. opts check good	76/10	N	5/27	.3		NRH	SB
							5/27	.1			SB

Page 4 of 6

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 26WD

Work Order #: 108196

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	Control Yokes ~~Stuck~~	27/00	1	Cleaned control	27/00	N	5/27	.1		NRH	SB
	Sticky			Yokes			5/27	.1			SB
10	ALT Air Control	71/60	1	R/R ALT Air control	71/60	N	5/27	.3		NRH	SB
	Lever Worn			lever w/new. opts.			5/27	.1			SB
				check good							
11	Front LH McSlow Stack	78/10	1	R&R McSlow Stack	78/10	N	5/28	.4			SB
	has 2 holes both			& drilled new hole							
	Worn Out			for EGT Probe							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 389ND

Work Order #: 1028196

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
12	Muffler Shroud ~~bolt~~ has 4 end caps worn	21/40	1	R&R Muffler Shroud End Caps IAW AC43.13-1B Ch 8 Sec 4 para 4-57	21/40	N	3/27	1.5			SB
13	Muffler Shroud Air duct has holes in it	71/10	1	R&R Air Duct	71/10	N	5/27	.1			SB
14	Nose Landing gear Up Stop Bumper missing rubber Pad	32/20	1	R&R UP Stop Bumper	32/20	N	5/28	.3			SB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 102896

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
15	Cabin Door Bottom Hinge has Loose Rivets	52/10	1	Removed old rivets & Installed new IAW AC 43.13B Chg 4 Sec 4 Para 4-57	52/10	N	5/28	.5		[illegible]	SB
16	Idle Mixture Too Rich	73/00	1	Ran VL & Adjusted Mixture Ops Good	73/00	N	5/28	.3		[illegible]	SB
17	Inspection Time	05/00	1	Insp	05/00	N	5/28	.7			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 Scott F Baker

Date 5/28/03

AEROSPACE WELDING MINNEAPOLIS, INC.

12124 12th Ave. South, Burnsville, MN 55337
952-890-1511
FAA Repair Station #UWDR792L

Form 100

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	☐ TAIL PIPE	☑ SLIP JOINT
☐ BUTTERFLY	☐ FLOW DIVIDER	☐ ELBOW
☐ CLEAN & INSP.	☐ _____	☐ _____

INSPECTOR _____

Corrective Action: **ITEMS REPLACED OR REPAIRED**

REPLACED	REPAIRED	
☐	☐	OUTERSHELL
☐	☐	OVERBOARD
☐	☐	BAFFLE
☐	☐	END PLATE
☐	☐	SHROUD RING
☐	☐	BEADED END
☐	☐	TAB
☐	☐	SHAFT
☐	☐	BUTTERFLY
☐	☐	CLEAN & INSP

REPLACED	REPAIRED	
☐	☐	BALL JOINT
☐	☐	BELL JOINT
☐	☐	INLAY
☐	☐	OVERLAY
☐	☐	INLET EXTENSION
☐	☐	RISER TUBE
☐	☐	FLANGE
☐	☐	TAIL PIPE
☐	☐	FLOW DIVIDER
☐	☐	_____

REPLACED	REPAIRED	
☐	☐	BELLOWS
☐	☐	HEAT FINS
☐	☐	STRAIGHT TUBE
☐	☐	BRACKET
☐	☐	BOLT FLANGE
☐	☐	TOP TUBE
☐	☐	CRACK WELD
☐	☑	SLIP JOINT
☐	☐	ELBOW
☐	☐	_____

INSPECTOR _____

Material Type

- ☑ 347 SS FILLER ROD
- ☑ 321 SS
- ☐ 4130 CHROMALLY
- ☐ 4130 ROD
- ☐ _____
- ☐ _____

Approved Data

- ☑ 43.13-1B
- ☐ MANUFACTURER'S MANUAL
- ☐ AIR CARRIER'S MANUAL
- ☐ _____

NAME	CUST P.O. #	PAYMENT
U. ND		

ADDRESS	CITY	
UNIVERSITY OF INTERNATIONAL	GRAND FORKS	ID 58202

Make & Model	Part Number	S/N AWI
PA 28 R-200	67810-00	059951

Unit Description: Stack

Registration No.:

INSPECTION

Preliminary Date	10/22/02
Hidden Damage Date	10-31-02
In Progress Date	11-5-02
Final Date	11-6-02

CUSTOMER SERVICES REQUESTED

LABOR COST	CODE

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WK/Or# 1028528
Mech: RMK
Shop Code: F
Equip Code: A
Opened: 6/11/2003 14:40

ORIG A/C ALL INITIALS BEFORE RLIMS

RA: SP/AF
Parts (opt): SP/AF
Date closed: 6-11-03

Customer: UND Acct#: 1244-0018-471 Preliminary Insp: SB In Progress Insp: SB

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,878.6 A/F Tach: 1,924.8 Init: RMK

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,097.2	2,097.2
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,097.2	2,097.2
82D34C2-3	000908	PROPELLER ARROW	2,097.2	2,097.2

107.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1.	PHASE 3 DUE	05 20	1	COMPLETED PHASE #3	05 20	N	6/11	4.8		RMK	SB
				PHASE 4 DUE @ 1987.6	05 20	N	6/11	4.0		JKL	SB
					05 20	N	6/11	3.5		PKM	SB

I certify that this aircraft has been inspected in accordance with PHASE 3 inspection, including, as applicable a routine inspection of FUSELAGE, EMPENNAGE, CABIN, ENGINE & PROPELLER 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 Richard M Kay

Date 6-11-2003

2	AD 2002-26-01 FUEL INJECTION LINE INSPECTION DUE	07 00	1	COMPLIED WITH AD NO DEFECT NOTED DATED 01/31/2003 NEXT DUE @ 1997.6	07 00	N	6/11	.2		RMK	SB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1028528

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	
3	TEST TIRE CHECK DUE	0400	1	TIRE TEST CHECK	0400	N	6/11	.3		[illegible]	[illegible]
				COMPLETED. SEE							
				CHECKLIST FOR DETAILS							
4	INDUCTION AIR FILTERS	0520	1	Removed and replaced	7160	N	6/11	.2		PKM	[illegible]
	DIRTY			induction air filter		N	6/11	.1		[illegible]	[illegible]
				NEXT DUE @ 2124.8							
5	RIGHT MLG TIRE	3240	1	Removed and reptaced	3240	N	6/11	.3		SKL	[illegible]
	WORN			Right MLG TIRE		N	6/11	.1		[illegible]	[illegible]
	FC6.00X6X6PR										
	SN 23530596										

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 4

Work Order #: 1028538

ion (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	
KES	32/40	1	Removed and replaced	32/40	N	6/11	.2		Pkm	SB
			R/H MLG brake linings		N	6/11	.1		[illegible]	SB
e	7/10	1	Removed and replaced	7/10	N	6/11	.1		Pkm	SB
			left cowl bushing		N	6/11	.1		[illegible]	SB
0	27/10	1	Removed and replaced	27/10	N	6/11	.3		Pkm	SB
SOV			Right aileron outboard		N	6/11	.1		[illegible]	SB
			pulley							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 28NP

Work Order #: 1028538

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	I
6	RIGHT MLG BRAKES	32/0	1	Removed and replaced	32/0	N	6/11	.2		Pkm	SB
	HORN			R/H MLG brake linings		N	6/11	.1		Pkm	SB
7	LEFT DOOR COWL	7/10	1	Removed and replaced	7/10	N	6/11	.1		Pkm	SB
	BUSHING WORN			left cowl bushing		N	6/11	.1		Pkm	SB
8	RIGHT AILERON OTBD	27/0	1	Removed and replaced	27/0	N	6/11	.3		Pkm	SB
	PULLEY HAS FLAT SPOT			Right aileron outboard		N	6/11	.1		Pkm	SB
				pulley							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289MD

Work Order #: 1028528

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	IN
9	PROP NICKED	6/10	1	DRESS PROP	6/10	N	6/11	.2		SKL	SB
						N	6/11	.1			SB
10	YOKES STIFF	27/10	1	lubed yokes and	27/10	N	6/11	.1		MKM	SB
				cleaned		N	6/11	.1			SB
11	INSP TIME	0540	1	TIME	0540	N	6/11	1.0			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 Scott F. Baker							
				Date 6-11-03							

[illegible] Page 1

John D. Odegard School of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKOrd: [illegible]
Month: [illegible]
Shop Code: [illegible]
Equip Code: [illegible]
Owner: [illegible]

[illegible] INITIALS BEFORE FILING

Rev: 84 N

Date closed: 6/22/2003

Customer: UND Acct#: 1244 [illegible] Preliminary Insp ____ In Progress Insp ____

N# N289ND Acft Type: ARRO Model: PA28R-201 Bill Meter: [illegible] Acft Tach: [illegible] Insp: [illegible]

Part#	Serial#	Description	PSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,120.7	2,120.7
IO-360-C1C6	L2998961A	ENGINE (ARROW)	2,120.7	2,120.7
92D94C215	60090-	PROPELLER (ARROW)	2,120.7	2,120.7

289ND

PO	Problem / Discrepancy (PO)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hr	DT	Mech	Insp
1	E/T antenna broken	2560	1	replaced antenna	2560	N	6/22	.5		SJC	

[signature]
HAR502767224

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028890
Mech: MSB
Shop Code: F
Equip Code: A
Opened: 6/29/2003 15:11

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 6-29-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,729.0 A/F Tach: 1,964.1 Init MSB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,136.5	2,136.5
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,136.5	2,136.5
B2D34C213	000908	PROPELLER ARROW	2,136.5	2,136.5
B2D34C213	000908	PROPELLER (ARROW)	2,136.5	2,136.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Landing light burnt out	33 40	1	Installed new landing light bulb	33 40	N	6-29	.3		MSB	
				Ops. ck. 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 CG5R092N~~

Authorized Signature
Date 6-29-03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028916
Mech: CEC
Shop Code: F
Equip Code: A
Opened: 6/30/2003 15:36

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 6-30-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,729.7 A/F Tach: 1,984.6 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,137.0	2,137.0
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,137.0	2,137.0
B2D34C213	000908	PROPELLER ARROW	2,137.0	2,137.0
B2D34C213	000908	PROPELLER (ARROW)	2,137.0	2,137.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Gear will not retract. pump was running but gear stayed 3 green	32/30	1	cycled gear, ops check good at this time	32/30	N	6/30	.4			

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 6-30-03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1028971
Mech: SJR
Shop Code: F
Equip Code: A
Opened: 7/2/2003 18:21

OBTAIN ALL
INITIALS BEFORE FILING

R/A 89
Parts (opt) N

89

Date closed: 7/2/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,736.9 A/F Tach: 1,970.0 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,142.4	2,142.4
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,142.4	2,142.4
B2D34C213	000908	PROPELLER ARROW	2,142.4	2,142.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Nose gear Remains down Gear lock Verified by ATC	32 20	1	R+R'd Sheared Nose gear Actuator BOLT Nut and Washer Swung gear OBS ✓ Good	32 20	N	7/2	.5		SJR	[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 7-2-03

INSPECTION SUPPLEMENT AND WORK ORDER

John D. Odegard School
of Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1026989
Mech: BSS
Shop Code: A
Equip Code: A
Opened: 7/3/2003 18:20

OBTAIN ALL INITIALS BEFORE FILING

R/A No
Parts (opt) SM

Date closed: 7/03/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,742.4 A/F Tach: 1,975.5 Init BSS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,147.9	2,147.9
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,147.9	2,147.9
B2D34C213	000908	PROPELLER ARROW	2,147.9	2,147.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	HSI heading and Nav out	34 40	1	Found CB popped. Reset CB all ops checks good.	34 40	N	7/03	0.3		BSS	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 Scott F Baker
Date 7/03/03

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202

WKO#: 1029098
Mech: CEC
Shop Code: F
Equip Code: A
Opened: 7/10/2003 13:11

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 7-10-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,761.0 A/F Tach: 1,988.5 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,160.9	2,160.9
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,160.9	2,160.9
B2D34C213	000908	PROPELLER ARROW	2,160.9	2,160.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Phase 4 insp due	05/20	1	Rev phase 4 insp.	05/20	N	7/10	6.0			
				Next phase 1 insp.		N	7/10	2.0		DHT	
	#1 73/80 #2 73/80			Due 2047.6							
	#3 71/80 #4 72/80										
				I certify that this aircraft has been inspected in accordance with Phase 4 Inspection, including, as applicable a routing inspection of Cabin, fuselage, empennage, wing, landing gear and detailed inspection of engine and was determined to be in airworthy condition, and is approved for return to service. Certified Repair Station OG5R092N. Authorized Signature. Date 7-10-03						
2	AD2002-26-01 Fuel inj lines insp. Rev date: 1-31-03	04/00	1	N/A due to Spr A/W AD2002-26-01 by visually insp. Fuel inj lines. Next due 2057.6	04/00	N	7/10	.1			

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 7

Reg#: (N) 0289MP Work Order #: 1029098

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	Tire test check due	32/40	1	Performed Tire test due at 2047.6	32/40	N	7/10	.2			SB
4	SB 1134 Fuel servo leakage due Rev date 5-6-03	04/00	1	N/A do to S/N.	04/00	N	7/10	.1			SB
5	AD2003-13-17 props r/h/s is due 7-18-03	04/00	1	N/A due to S/N of Prop	04/00	N	7/10	.1			SB

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 7

Reg#: (N) 289MD Work Order #: 1029098

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	Magneto time Change due P/N 4372 S/N 02040520	74/10	1	R+Rd left mag with new P/N 4372 S/N 03031322	74/10	I NC	7/10	.7		DHT	SB
7	Magneto time Change due P/N 4370 S/N 02010211	74/10	1	R+Rd rt mag with servicable part P/N 4370 S/N 03020340	74/10	I NC	7/10	.7		DHT	SB
8	NAV/GPS switch light Bulbs Burnt out	33/10	1	R+Rd bulbs ✓ ok	33/10	N	7/10	.2		DHT	SB

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 7

Reg#: (N) 289ND Work Order #: 109098

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	pilots seat cable needs adjustment	25/10	1	adjusted seat cable, ops check good	25/10	N	7/10	.2		[illegible]	[illegible]
10	Nose steering turn limit placard is missing	11/20	1	R+Rd placard	11/20	N	7/10	.2		DHT	[illegible]
11	#2 side Baffle seal loose	72/20	1	Secured baffle seal	72/30	N	7/10	.2		DHT	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER Page 5 of 7

Reg#: (N) 28900 Work Order #: 1029098

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
12	Muffler shroud intake tube torn	71/60	1	Replaced intake tube	71/60	N	7/10	.1			
13	#2 intake gasket leaking	72/60	1	R+Rd gasket	72/60	N	7/10	.5		DHT	
14	oil filler tube loose	79/10	1	Re-torqued and re-saftied tube	79/10	N	7/10	.2		DHT	

INSPECTION SUPPLEMENT AND WORK ORDER

Page 6 of 7

Reg#: (N) 289ND

Work Order #: 1029098

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
B	#3 Rocker cover leaking	72/30	1	R+R'd gasket	72/30	N	7/10	.5		DHT	SB
16	4/4 defrost duct needs securing	21/40	1	Secured duct	21/40	N	7/10	.1		DHT	SB
D	Prop has nicks	61/00	1	filed prop	61/00	N	7/10	.2		[illegible]	SB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1029098

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
18	Insp. Time	0560	1	TIME	0560	N	7/10	1.0			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 [signature]

Date 7/10/05

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202

WKO#: 1029217
Mech: PDH
Shop Code: F
Equip Code: A
Opened: 7/15/2003 20:23

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) [initials]
Date closed: 7/15/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,777.0 A/F Tach: 2,001.5 Init PDH

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,173.9	2,173.9
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,173.9	2,173.9
B2D34C213	000908	PROPELLER ARROW	2,173.9	2,173.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	The engine sputtered & ran rough	80 00	1	Observed A/C on startup & sounded like it was badly overprimed. Ran engine. Engine ran smoothly throughout full operating range. Ops √ good.	80 00	N	7/15	.4		PDH	

Paul D. Hankins
A&P 4689680711A

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202

WKO#: 1029330
Mech: JDR
Shop Code: F
Equip Code: A
Opened: 7/20/2003 13:07

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (opt) _____

Date closed: 7-20-2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,801.6 A/F Tach: 2,023.6 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,196.0	2,196.0
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,196.0	2,196.0
B2D34C213	000908	PROPELLER ARROW	2,196.0	2,196.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	The seat release lever on the right seat needs to be readjusted.	25 10	1	readjusted seat cable and tightened clamp.	25 10	N	7/20	.5		[initials]	[initials]
2	landing light inoperative.	33 40	1	replaced landing lamp. Operational check good	33 40	N	7/20	.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 7-20-2003

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202

WKO#: 1029428
Mech: JEB
Shop Code: F
Equip Code: A
Opened: 7/24/2003 7:13

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (optl) N
Date closed: 7-24-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,826.6 A/F Tach: 2,041.6 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,214.0	2,214.0
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,214.0	2,214.0
B2D34C213	000908	PROPELLER ARROW	2,214.0	2,214.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Right seat will not adjust fore + aft.	25 10	1	Repositioned cable in clamp.	25 10	N	7 24	.5			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 Joseph Pinkham
Date 7-24-03

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202

WKO#: 1029544
Mech: JDN
Shop Code: W
Equip Code: A
Opened: 7/29/2003 12:49

OBTAIN ALL INITIALS BEFORE FILING

R/A JDN
Parts (opt'l) N

Date closed: 7-29-03

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

N#: N288ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,838.8 A/F Tach: 2,052.4 Init JDN

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,224.8	2,224.8
IO-360-C1C6	L2936861A	ENGINE (ARROW)	2,224.8	2,224.8
B2D34C213	000909	PROPELLER ARROW	2,224.8	2,224.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Aircraft Dirty	12/20	1	Cleaned Aircraft	12/20	N	7-29	1.0		JDN	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sc.
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202

WKO# 1028567
Mech RMK
Shop Code: F
Equip Code: A
Opened: 7/30/2003 6:34

OBTAIN AD
INITIALS BEFORE FILING

R/A
Parts (cost) N
Date closed 7-30-2003

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

N# N289ND AcftType: ARRO Model PA28R-201 Bill Meter: 2,839.8 A/F Tach: 2,052.4 Init.

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,224.8	2,224.8
IO-360-C1C6	L2936861A	ENGINE (ARROW)	2,224.9	2,224.8
B2D34C213	000908	PROPELLER ARROW	2,224.8	2,224.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1.	PHASE I DUE	0520	1	COMPLETED PHASE I PHASE 2 DUE @ 2107.6	0520	N	7/30	4.8			
2.	INSTRAMENT FILTERS DUE REPLACEMENT	0520	1	R&R INSTRAMENT FILTERS NEXT DUE @ 2552.4	7160	N	7/30	.5			
3.	TEST TIRE INSP DUE	0400	1	TEST TIRE COMPLETE ON AIRCRAFT. SEE CHECKLIST FOR DETAILS	0400	N	7/30	.1			

I certify that this aircraft has been inspected in accordance with PHASE I inspection, including, as applicable, a routine inspection of ENGINE & PROP, WINGS & LANDING GEAR and detailed inspection of FUSELAGE, EMPENNAGE, CABIN and was determined to be in airworthy condition, and is approved for return to service.
Certified Repair Station OG5R092N
Authorized Signature
Date 7-30-2003

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1029562

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
4.	CONTROL WHEEL SCREW	0400	1	INSPECTED CONTROL	0400	N	7/30	.1		[signature]	[signature]
	CHECK			WHEEL. NO DEFECT							
				NOTED, ALL SECURE							
				DATED 7/15/2003							
5	AD 2002-26-01 FUEL INJ.	0400	1	INSPECTED, NO DEFECT	0400	N	7/30	.2		[signature]	[signature]
	LINES INSPECTION			NOTED							
	DATED 01/31/2003			NEXT DUE @ 2117.6							
6	AD 2003-14-03 ROTARY	0400	1	N/A BY FUEL PUMP	0400	N	7/30	.2		[signature]	[signature]
	FUEL PUMP LEAKS			TYPE							
				DATED 8/14/2003							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 28WD

Work Order #: 129562

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	LT MAIN LANDING GEAR	32 40	1	R&R TIRE	32 40	N	7/30	.5		[signature]	[signature]
	TIRE WORN										
	FC6.00X6 X6PR										
	SN 23530546										
8	COPILOT SEAT WILL NOT	25 10	1	ADJUSTED SEAT CABLE	25 10	N	7/30	.2		[signature]	[signature]
	ADJUST FORWARD & AFT			OPS ✓ GOOD							
9	COPILOT SEAT HAS	25 10	1	REINSTALLED ROLL	25 10	N	7/30	.2		[signature]	[signature]
	SEVERAL ROLL PINS			PINS							
	EXTRUDING OUT										

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 102956 2

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
10	BRAKE RESERVOIR LOW	25/30	1	SERVICED RESERVOIR	1210	N	7/30	.1			
11	BATTERY LEAD CORRODED	24/30	1	CLEANED TERMINALS	1220	N	7/30	.1			
12	LT BRAKE PADS WORN	3240	1	R&R BRAKE PADS	3240	N	7/30	.5			

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1039562

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
13	YOKES STIFF	27/10	1	CLEANED YOKES	27/10	N	7/30	.1		[illegible]	[illegible]
14	PROP NICKED	6/10	1	DRESSED PROP	6/10	N	7/30	5		[illegible]	[illegible]
15	INSP TIME	0560	1	Time	0560	N	7/30	1.0		[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 7-30-3

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202

WKO#: 1029987
Mech: SJC
Shop Code: F
Equip Code: A
Opened: 8/28/2003 11:19

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (opt) [initials]

Date closed: 8/28/2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,880.3 A/F Tach: 2,085.0 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,257.4	2,257.4
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,257.4	2,257.4
B2D34C213	000908	PROPELLER ARROW	2,257.4	2,257.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	two bird	0550	1	cleaned. no	0550	N	8/28	.5		SA	
	striker on Rt			no damage							
	wing			found							
				[signature]							
				H&R 502767224							

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
9007 University Station
Grand Forks, ND 58202
USA
Repair Station# OG5R092N

WKO#: 1030062
Mech: MJT
Shop Code: W
Equip Code: A
Opened: 9/3/2003 9:21

OBTAIN ALL INITIALS BEFORE FILING

R/A MJT
Parts (opt) AT

Date closed: 9/3/2003

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

N#: N299ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,912.9 A/F Tach: 2,109.9 Init MJT

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,282.3	2,282.3
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,282.3	2,282.3
B2D34C213	000908	PROPELLER ARROW	2,282.3	2,282.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Aircraft dirty	12 20	1	Cleaned Aircraft	12 20	N	9/3/03	1.0		MJT	

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
9007 University Station
Grand Forks, ND 58202
USA
Repair Station# OG5R092N

WKO#: 1030091
Mech: ADC
Shop Code: F
Equip Code: A
Opened: 9/3/2003 15:05

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (optl) [initials]
Date closed: 9-4-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,912.9 A/F Tach: 2,109.9 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,282.3	2,282.3
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,282.3	2,282.3
B2D34C213	000908	PROPELLER ARROW	2,282.3	2,282.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Phase 2 Insp.	05 20	1	Completed Phase 2	05 20	N	09/03	6.0		HES	[initials]
	DUE			Insp. Next Due @		N	9/3	6.0		[initials]	[initials]
	#1 79/80 #2 76/80			2126							
	#3 79/80 #4 75/80										
2	Landing Lt. Insp	33/40	1	Replaced light ops	33/40	N	09/3	.2		HES	[initials]
				ck good							

certify that this aircraft has been inspected in accordance with a Phase 2 inspection, including, as applicable a routine inspection of Cabin, Fuselage, 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: 10

Certified Repair Station OG5R092N
Authorized Signature [signature]
Date 9-3-03

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 10300991

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	AD 2002-26-01 Fuel Inj Lines Insp Due AMEND DATE 1-31-03	04/00	1	Inspected Fuel Inj. Lines No Defects Noted at this time Next due @ 2177.6	73/10	N	9/3	.3			SB
4	Induction Air Filter Due	0520	1	Replaced Filter, next due: 2309.9	7160	N	09/03	.2		HES	SB
5	MAGNETIC Compass Plastic Mount Cracked	34/40	1	applied duramix	34/40	N	09/03	.3		HES	SB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1032091

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
6	LH Fuel Cap Vent Tear	38/10	1	Replaced Vent valve	38/10	N	09/03	.1		HES	SB
7	Prop Spinner Cuff Cracked	61/10	1	Replaced Cuff	61/10	N	09/03	.1		HES	SB
8	Screws Loose on Rear Cover under back seat	25/00	1	Moved nuts to screw holes & replaced screws	25/00	N	09/03	.4		HES	SB

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289 ND

Work Order #: 1030091

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
9	Electric Fuel Pump leaking out of drain tube	73/10	1	R&R Fuel Pump & Orings leak ✓ good	73/10	N	9/3	1.0		[illegible]	SB
	P/N 8120-G			P/N 8120-G							
	S/N 2532			S/N 56788							
10	MAGNETIC Compass Needs to be Swung	34 40	1	Swung Compass and installed new Compass card	34 40	N	9/4	1.0		DHT	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289NB

Work Order #: 103091

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
11	Inspectors time	05/60	1	Time	05/60	N	9/3	.7			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 [signature]							
				Date 9-4-03							

1. Approving National Aviation Authority/Country:	2.	3. Form Tracking
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	R03-0303

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
B & S Aircraft Parts & Accessories, Inc. 1414 S. Mosley Wichita, KS 67211 FAA Certified Repair Station No. NE2RO28L	03030320

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Boost Pump	8120-G	N/A	1	56788	Overhauled

13. Remarks:

Overhauled in accordance with Weldon manual #J-800096, Rev F, 1/2/03

Certifies that the work specified in block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: JAA.4228. Full details held on work order R03-030320

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.:
		Bryson L Voth	NE2RO28L
17. Name (Typed or Printed):	**18. Date:**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
		Bryson L. Voth	06/10/2003

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block1.

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 **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

COMPLETED

Work Order No.

Date Issued: 06/03/2003 By: Diana K. Henry

Sales Order Number:

Invoice Number:

Customer Request Date: 00/00/0000

Scheduled Ship Date:

Customer Number	UNI002

University of North Dakota
School of Aerospace Science

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	1010313	1 2				8120-G	56788

Description	Product Code	Manufacturer	Mfg. Date	Dept.	Modification Status
Boost Pump	3181	Weldon Pump	/	2	

Discrepancy or Reason for Return

Overhaul

Work Instructions

Overhaul and Certify [X] Functional Test Only [ ] Repair and Certify [ ] Other [ ]
Warranty Requested [ ] Accident Unit - Hidden Damage Inspection Required [ ]
Repair Cost Estimate Required Yes [X] No [ ] OK BE

Special Work Instructions Not Outlined Above

Work Performed

OHC'd + Tested In Accordance with Weldon Manual NO. J-800096, Rev. F, 1-2-03,

Preliminary Inspection Record

Assy. date decal reads 3Q00,

Initial: DWC
Date: 6-4-03

Hidden Damage Inspection Record

Motor Shaft worn out excessively,
Plunger Checked ok,
Rotor worn @ drive area,

Initial: DWC
Date: 6-4-03

Functional Test Results

Volts (D.C.)	Flow (P.P.H.)	Flow (G.P.H.)	Pressure (P.S.I.)	Current (Amps.)	Seal Leak
14	355	56.5	14.0	4.0	0
	0		28.50	4.75	

Ran 1/4 hr. No Leaks

Certified Airworthy By	Certificate Number	Date	Master Technician	Technician	Date
[signature]	2488689	6-10-03		[signature]	6-10-03

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci
University of North Dakota
9007 University Station
Grand Forks, ND 58202
USA
Repair Station# OG5R092N

WKO# 1030495
Mech: CEC
Shop Code: F
Equip Code: A
Opened: 9/16/2003 18:40

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 9/16/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,970.3 A/F Tach: 2,152.3 Init CEC

Part# 289ND	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,324.7	2,324.7
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,324.7	2,324.7
B2D34C213	000909	PROPELLER ARROW	2,324.7	2,324.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Starter wont engage, broken pin P/N ~~2041~~ 2041 ~~MZ4222~~ S/N A1620569	80/00	1	Replaced starter, ops check good P/N ~~LW15571~~ CEC MZ6222 S/N C113209	80/00	N	9/16	1.3		CEC	SB
2	Battery vent tube corroded	24 00	1	Cleaned corrosion from vent tube	24 00	N	9/16	.2		AFS	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 Scott F Baker
Date 9/16/03

INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School of Aerospace Sci.
University of North Dakota
9007 University Station
Grand Forks, ND 58202
USA
Repair Station# OG5R092N

WKO# 1030496
Mech: CEC
Shop Code: F
Equip Code: A
Opened: 9/16/2003 19:59

OBTAIN ALL INITIALS BEFORE FILING

R/A 84
Parts (opt) _____
Date closed: 9/16

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,970.3 A/F Tach: 2,152.3 Init: [illegible]

Part# 289ND	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,324.7	2,324.7
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,324.7	2,324.7
B2D34C213	000908	PROPELLER ARROW	2,324.7	2,324.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Starter wont engage										
-	Broken pin										

ENTER 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
Repair Station# OG5R092N

WKO#: 1030583
Mech: JDR
Shop Code: F
Equip Code: A
Opened: 9/20/2003 8:05

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 9-20-2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,979.7 A/F Tach: 2,159.3 Init JDR

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,331.7	2,331.7
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,331.7	2,331.7
B2D34C213	000908	PROPELLER ARROW	2,331.7	2,331.7

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	During Postflight	71 00	1	Cleaned engine	71 00	N	9/20	1.0		JDR	JDR
	Discovered oil leak			Ran aircraft.							
				No oil leaks found							
2	Landing light insp.	33 40	1	Reconnected loose wire	33 40	N	9/20	.3		JDR	JDR
				on landing light.							
				Operational 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 Val D. Robbins

Date 9-20-2003

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#: 1030601
Mech: SJC 3060
Shop Code: F
Equip Code: A
Opened: 9/21/2003 9:14

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (opt) [initials]
Date closed: ~~9/21/2003~~ 10-8-2003 Jm

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,983.2 A/F Tach: 2,162.0 Init (S)

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,334.4	2,334.4
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,334.4	2,334.4
B2D34C213	000908	PROPELLER ARROW	2,334.4	2,334.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	oil leak, ? 1 quart in 1.8 hours	7900	1	inspected engine no external leakage found, inspected plugs, found 1 & 3 had evidence of oil internal cyl insp showed oil pooled in cyls due to high time engine, recommend engine CAG rather than cyl repair	7100	N	9/21	.6		Sa	
		7120	2	Disconnected lines, wires, cables and removed engine P/N 10-360-C1C6 S/N L2936851A	7120	N	10/3	4.0		Jm	

INSPECTION SUPPLEMENT AND WORK ORDER Page 2 of 4

Reg#: (N) 289ND Work Order #: ~~107080~~ 30601

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
1	continued		3	Swapped baffling & Rigs and installed engine P/N 10-360-C1C6 S/N L-466-51A	71 00	N T	10/3	3.0		JM	
			4	Reconnected all lines wires cables completed engine change. Starter removed serviceable.	71 00	N T	10/7	5.0		JM	
			5	Updated ADs and records. Ran aircraft test check good Reinstalled cowling.	71 00	N T	10/8	1.0		JM	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289WD

Work Order #: 1030601

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
2	Propeller due for	6100	1	Removed propeller	6100	N	10/2/03	.5		RWS	
	replacement			P/N B2D34C213							
				S/N 000908							
				as serviceable							
			2	Installed propeller	6100	N	10/7	.5		JM	
				P/N B2D34C213-B							
				S/N 011237							
3	Oil cooler Removed	7250	1	Removed oil Cooler	7250	N	10/2	.5		RWS	
	for Replacement			for Engine change							
	Engine Change		2	installed oil cooler P/N	20017A	N	10/7	.5		JM	
	P/N 20017A S/N G99-3539-8			S/N G99-3539-6							
4	Prop Governor Removed	6120	1	Removed Prop	6120	N	10/2	.5		RWS	
	for Engine Change			Governor							
	P/N F2-7A S/N G4WD		1	Installed prop Gov. P/N F2-7A		N	10/7	.5		JM	
				S/N D595WD							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289 NB

Work Order #: ~~1030807~~ 30601

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
5	#4 cylinder Aft baffle cracked.	71 00	1	Replaced cracked baffle	71 10	N	10/3	.4		[illegible]	
6	Inspection time	05 60	1	billing for insp time	0560	N	10/8	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 10/8/2003

AIRWORTHINESS DIRECTIVE COMPLIANCE LIST

6/14/03

DYNING
A Textron Company
Williamsport, PA 17701 U.S.A.

Engine Model No: **IO-360-C1C6** Engine SN: **L-466-51A**

AD / SB	RV / RV	Description / Method of Compliance	Next Due	Once	Rec	Code	Sign
2002-12-07 543	A	OIL FILTER CONVERTER PLATE GASKET REPLACEMENT NEW P/N CONVERTER PLATE INSTALLED	N/A	X		2	
2002-26-01 342	D	FUEL LINE AND SUPPORT CLAMP INSPECTION & INSTALL. NEW LINES INST. WITH NEW CLAMP	100 HOURS		X	1	81
64-16-05 298		AC FUEL PUMP OIL SEAL NEW CONF. FUEL PUMP INSTALLED	N/A	X		2	
66-06-03 302	A	REPLACEMENT OF CONNECTING ROD ASSY. NEW ROD CONFIGURATION	N/A	X		1	81
66-20-04 307		OIL FILTER ADAPTER GASKET NEW CONF. GASKET INSTALLED	N/A	X		2	
67-22-06 305	4 B	REPLACEMENT OF BENDIX FUEL DIAPHRAGM ASSY NEW OR NEWLY O/H INSTALLED	N/A	X		2	
71-05-02 327	C	INSPECTION OF CENTER MAIN BEARING NEW INSTALLED	N/A	X		1	81
71-11-02 328		REPLACEMENT OF EXH & INT HYD TAPPET PLUNGERS NEW P/N HYD TAPPETS INSTALLED	N/A	X		1	81
73-23-01 367	F	INSP FOR CRACKS IN PISTON PINS INST NEW PARTS	N/A	X		1	81
75-09-15 382		BENDIX FUEL INJ RS-43 INSP OF MOD OF FLOW DIVIDERS NEW P/N GASKET INSTALLED	N/A	X		1	81
78-23-10 428		BENDIX FUEL INJ. BULLETIN RS-42 NEW P/N INSTALLED	N/A	X		1	81
79-04-05 433	A	BENDIX FUEL INJ. BULLETIN RS-57 NEW P/N INSTALLED	N/A	X		1	81
87-10-06 477	R1 A	INSPECTION AND REWORK OF LW-18790 ROCKER ARM ASSY NEW CONFIGURATION P/N INST.	N/A	X		2	
90-04-06 488	R1 A	PROPELLER GOVERNOR LINE SUPPORT NEW LINE W/STEEL CON. NUTS INS	N/A	X		1	81
91-14-22 475	C	CRANKSHAFT GEAR MODIFICATION AND ASSY PROCEDURES NEW P/N INSTALLED	N/A	X		1	81
92-12-05 501	B	LW-14077 PISTON PIN NEW PARTS INSTALLED	N/A	X		1	81
93-11-11 N/A		AC, TEXTRON LYC FUEL PUMP O/H BY AERO ACCESSORIES NEW AC F/P INST. WHEN APPLIC.	N/A	X		1	81
93-14-15 N/A		INST OF PLCKRD DENOTING OPER. NOT TO EXCEED 33.#HG FIELD COMPLIANCE AFTER STC	N/A	X		2	
94-01-03 N/A	R2	DEFECTIVE IGN COILS AND ROTATING MAGNETS NEW CONFIGURATION PART INST.	N/A	X		1	81
94-06-09 517		INCOMPLETE INTERNAL GROUNDING ON MAG CAPACITORS NEW CONF. CAPACITORS INSTALLED	N/A	X		1	81

Codes:
1 AD Applicable to Engine
2 AD Not Applicable to Engine
3 Field Compliance where applicable



AIRWORTHINESS DIRECTIVE COMPLIANCE LIST

6/14/03

...ron Company

Williamsport, PA 17701 U.S.A.

Engine Model No: **IO-360-C1C6** Engine SN: **L-466-51A**

NO. / SB	RV / RV	Description / Method of Compliance	Next Due	Once	Rec	Code	Sign
95-07-01 N/A		CONNECTING ROD BOLT FAILURE LYCOMING PART INSTALLED	N/A	X		1	81
95-26-02 398		ENGINES OPERATED WITH LOW OCTANE FUEL ENGINE IS NEW OR HAS BEEN REBUILT AT MANUFACTURER	N/A	X		2	
96-09-10 524		REPLACEMENT OF OIL PUMP IMPELLERS STEEL IMPELLERS INSTALLED	N/A	X		1	81
96-23-03 525	A	HIGH PRESSURE FUEL PUMP INSTALLED LW-15473 NEWLY MANUFACTURED PUMPS INST.	N/A	X		1	81
97-15-11 527	C	RECALL OF PISTON PIN P/N LW-14077 NEW CONFIGURATION P/N INST.	N/A	X		1	
98-02-08 530	A	INSPECTION OF CRANKSHAFT ID FOR CORROSION MAG INSP./APPLY URETHABOND 104	N/A	X		1	81
98-17-11 N/A		CRANKSHAFT REPAIRED BY NELSON BALANCING SERVICE MAG/PARTICLE INSP OF C/SHAFT	N/A	X		1	81
98-18-12 529	B	ROTARY FUEL PUMP TORQUE. NEW PUMP WITH "/M" SUFFIX INSTALLED	N/A		X	2	

Codes:

1 AD Applicable to Engine

2 AD Not Applicable to Engine

3 Field Compliance where applicable



1. National Aviation Authority/Country UA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3 AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number UAI WORK ORDER NUMBER 21695

4. Organization Name and Address	5. Work Order/Contract/Invoice Number
United Accessory, Inc. (972) 840-1077 Tel 1121 National Circle (972) 278-8943 Fax Garland, Texas 75041 Sales@oil-cooler.com	1011091 Customer UNIVERSITY OF N.D.

6. Item	7. Description	8. Part Number	9. Eligibility*
01	OIL COOLER	20017A	N/A

10. Qty	11. Serial/Batch Number	12. Status/Work
1	G99-3539-6	OVERHAULED

13. Remarks - WORK CARRIED OUT UNDER REFERENCE BLOCK 3. PART OVERHAULED PER UA PROCESS SPEC UA0001

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.

15. Authorized Signature	16. Approval/Authorized Number
17. Name (typed or printed)	18. Date (m/d/y)

19.(X)14 CFR 43.9 Return to Service.
(X)Other regulations specified in Block 13.
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

20. Authorized Signature	21. Approval/Certificate Number TE1R503K
22. Name (typed or printed) G.KAY RETTIG	23. Date (m/d/y) 06-17-2003

User/Installer Responsibilities

* Optional installer must cross-check eligibility with applicable technical data
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 accordance with the national regulations of an Airworthiness Authority different that 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 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.

United Accessory

3121 NATIONAL CIRCLE
GARLAND, TEXAS 75041-2389

Work Order

Customer: Univ of N.D. — 21695

Address: — Date Received: 6/9/03

Nomenclature: Oil Cooler — Date Shipped: 6/17/03

Part Number: 20017A — Serial Number: G99-3539-6

Visual Inspection	Reason for Overhaul	Class of Overhaul
W/S plate	Overhaul	Repair ____ O.H.C. X
	Metal Contamination	Upgrade To: ____
		Aircraft ____
Serviceable Yes ____ No 4	RUSH	TSO ____

Incoming Test	Teardown & Repair	Final Test
No Leakage	Stripped ✓ Steam Cleaned X Circulated ✓ Back Flushed X Repaired Leakage ____ Recore ____ Coatings Applied ____ Other: Lots of Carbon & Metal	Test to Spec
		Spec: WA0001

Repaired By: WM 6-11-03 Supervised By: [signature] Inspected By: [signature] 2557462

Replacement Parts				Disposition
Part Number	Nomenclature	Quantity	Remarks	Repair Continue
				Time: ____ Overhaul Zero Time: X Bench Check Only: ____ Continue Time: ____ Condemned: ____ Comments: ____

MING
xtron Company
Williamsport, PA 17701 U.S.A.

RECORD of ACCESSORIES
AND
MAJOR PARTS SHIPPED with ENGINE

No:	IO-360-C1C6	Serial No:	L - 466-51A	Enpl:	HENPL-9325
Order No:	GJ207406	TC No:	1E10	Date:	6/14/03

Part Name	Part Number	Manufacturer	Serial	Setting
CARBURETOR		PAM		
INJECTOR	LW-10409-85 ~~2524476-76~~	PAM	59095	2524450-9
LT ALTERNATOR		KELLY		
RT ALTERNATOR		KELLY		
MAGNETO LEFT	66GC15SFNN 4372	SLICK	03031335	
MAGNETO RIGHT	66GP-OSANN 4370	SLICK	03040771	
MAGNETO DUAL				
LASER IGN CONT		SLICK		
STARTER	mZ6222 31A22470	KELLY	D032485	
FUEL PUMP	LW-15473	LYC	N/A	
IGN HARNESS L	67P20419	SLICK		
IGN HARNESS R	67P20418	SLICK		
LASER IGN HARNESS		SLICK		
SPARK PLUG	1182-E7	CHAMPION		
LT TURBOCHARGER				
RT TURBOCHARGER				
BYPASS VALVE				
DENSITY CONR.				
PRESS. CONTR.				
AB PRESS REL.				
#1 INTERCOOLER				
#2 INTERCOOLER				

CRANKCASE MATCH NO. TPF443 CRANKSHAFT SERIAL NO. 79925

All accessories listed are 0 (zero) time since New or 0 (zero) time since Overhaul.
All accessories are new unless part number is succeeded by -85.

Cylinders: Plain Steel _____ C of A Issued
Nitrided Barrels (Blue) _____ Date _____

NOTE: Form to be used on all New, Overhauled, Remanufactured Engine Models.



Released: Inspector _____ Date: 6/14/03

ET-001 (REV. 11/99)

ech 901-259-4551/4554 FAX 901-259-4552
3778 DISTRIPLEX DR NORTH - MEMPHIS TN 38118

10-03-03
Wo# A03100036

NAME: UNIVERSITY OF NORTH DAKO
BOX 9007
GRAND FORKS ND 58202-9007

P.O.: A1003N

Ph: 701-777-7884

1	1	111F502-6S0133
2	1	124F001-3CR0380

WE HEREBY CERTIFY THAT THE ABOVE PARTS, INCLUDING All MATERIALS, HAVE BEEN MANUFACTURED, TESTED, INSPECTED AND PACKED IN CONFORMANCE WITH ALL OF THE REQUIREMENTS OF YOUR ORDER AND THE APPLICABLE GOVERNMENT SPECIFICATIONS & STANDARDS. RECORDS OF TESTS, INSPECTION AND CERTIFICATION INDICATING THE ABOVE CONFORMANCE ARE ON FILE AT AEROSPACE PRODUCTS INT'L AND ARE AVAILABLE FOR YOUR EXAMINATION. IT IS FURTHER CERTIFIED THAT (A) THE TSO'D PARTS AND/OR MATERIALS REFFLECTED HEREIN WERE PRODUCED UNDER FEDERAL AVIATION ADMINISTRATION APPROVED MANUFACTURING AND QUALITY CONTROL SYSTEMS/METHODS AS SET FORTH IN THE FAA ISSUED TECHNICAL STANDARD ORDER AUTHORIZATIONS (TSOA) ISSUED TO STRATOFLEX AND (B) SUCH PARTS AND/OR MATERIAL ARE NEW AND ARE IN CONDITION FOR SAFE OPERATION.

FOR API _____



INSPECTION SUPPLEMENT AND WORK ORDER

Odegard School
Aerospace Sciences
University of North Dakota
Box 9007 University Station
Grand Forks, ND 58202-9007

WKO#: 1027157
Mech: PDH
Shop Code: X
Equip Code: I
Opened: 4/10/2003 21:48

OBTAIN ALL INITIALS BEFORE FILING

R/A _____
Parts (opt) _____
Date closed: 4-10-03

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

N#: AoftType: Bill Meter: A/F Tach: Init _____

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Baffle assy P/N 67824-000 cracked.	72 30	1	Repaired baffle assy by stop drilling cracks and installing a riveted patch	72 30	N	4/5	2.5		HES	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 4-10-03

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#: 1030929
Mech: JDR
Shop Code: F
Equip Code: A
Opened: 10/2/2003 7:13

OBTAIN ALL INITIALS BEFORE FILING

R/A SP
Parts (opd) N
Date closed: 10-8-2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,983.2 A/F Tach: 2,162.0 Init Jm

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,334.4	2,334.4
IO-360-C1C6	L2936851A	ENGINE (ARROW)	2,334.4	2,334.4
B2D34C213	000908	PROPELLER ARROW	2,334.4	2,334.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Phase three inspection due	05 20	1		05 20	N	10/2	1.0		Jm	
							10/8	1.0		Jm	
				I certify that this aircraft has been inspected in accordance with Phase Three inspection, including, as applicable a routine inspection of cabin, fuselage, empennage, engine propeller 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 [signature] Date 10-8-2003							
				Phase four due at 2227.6 tach time							
2	SB 1139 Control wheel attachment insp. Dated 8-28-2003	04 00	1	Checked screws and nut plates. Reinstalled screws with lock tite in accordance with SB 1139	27 30	N	10/2	.3		Jm	
3	AD2002-26-01 Fuel injection line inspection. Dated 1-31-2003	04 00	1	engine changed w/# 1030601 Next inspection due w 2237.6	04 00	N	10/8	.1		Jm	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 282ND

Work Order #: 1030929

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
4	right main tire worn	32 40	1	replaced worn tire	32 40	N	10/2	.3		JM	
5	nose tire worn	32 40	1	replaced worn tire	32 40	N	10/2	.3		JM	
6	shimmy damper rod end and bolt worn excessively	32 20	1	replaced worn eye bolt a.l attach bolt.	32 20	N	10/2	.2		JM	
7	right brake linings worn	32 40	1	Replaced worn brake linings	32 40	N	10/2	.2		JM	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1030929

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
8	aileron cable tension low	27 10	1	set cable tensions within limits and resafetied turnbuckles	27 10	N	10/2	.3		Jm	
9	battery cover fastner broken	24 30	1	replaced battery cover	24 30	N	10/7	.2		Jm	
10	lower flap spring broken. 62821-000	27 50	1	Replaced broken cable tension spring	27 50	N	10/2	.2		Jm	
11	Inspection time for billing.	0560	1	billing for inspection time	0560	N	10/8	.9			

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 10/8/2003

1. Approving National Aviation Authority/Country:	2.	
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** **FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**	01[redacted]

4. Organization		5. Work Order, Contract, Invoice or Pick No:
Michelin Aircraft Tire Corp. 1305 Perimeter Road Greenville, SC 29605	Michelin Aircraft Tyre - Siam Tyre Industry Co., Ltd. 57 Moo 6 Nongplakradee Rd., Nongplamore, Nongkhae, Saraburi 18140	**DKAN0149N/6** 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	**071-312-0**	TSO Article N/A	1	**3115W00008**	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 511237 CE	NA	NA
17. Name (typed or printed):	18. Date:	22. Name (typed or printed):	23. Date:
M. Jittakorn Sukto	**17-May-03**	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.

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#: 1031235
Mech: MOA
Shop Code: F
Equip Code: A
Opened: 10/11/2003 9:28

OBTAIN ALL INITIALS BEFORE FILING

R/A: N
Parts (opti): N

Date closed: 10-11-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 2,992.0 A/F Tach: 2,169.0 Init: MA

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,341.4	2,341.4
IO-360-C1C6	L40651A	ENGINE (ARROW)	7.0	2,056.7
B2D34C213	011239	PROPELLER ARROW	1,388.8	1,388.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Throttle microswitch out of Adj	76 10	1	Adjusted microswitch and retightened screws	76 10	N	10/11	.2		MA	JEB
2	Eng Idle RPM Too high 900RPM	76 10	1	Ran Aircraft found to be idling at 800RPM Adjusted Idle stop and Adjusted Mixture for 25RPM rise at idle cutoff	76 10	N	10/11	.5		MA	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: Joseph Rankin
Date: 10-11-03

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#: 1031130
Mech: JDR
Shop Code: F
Equip Code: A
Opened: 10/8/2003 10:44

OBTAIN ALL INITIALS BEFORE FILING

R/A DP
Parts (opt) N/A

Date closed: 10-8-03

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

N#: N289ND Acft Type: ARRO Model: PA28R-201 Bill Meter: 2,983.2 A/F Tach: 2,162.0 Init: DPS

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,334.4	2,334.4
IO-360-C1C6	L46661A	ENGINE (ARROW)	0.0	2,049.7
B2D34C213	011239	PROPELLER ARROW	1,381.8	1,381.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Engine break in flight required	05/50	1	Performed engine break-in IAW SI 1427 B dated 2-8-93.	05/50	N	10/8	2.5		DPS	
				Daniel P Sprosty 2662088 CFI 5-04 Daniel Sprosty							

~~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#: 1031377
Mech: MSB
Shop Code: F
Equip Code: A
Opened: 10/16/2003 17:42

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 10-16-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,009.3 A/F Tach: 2,182.0 Init MSB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,354.4	2,354.4
IO-360-C1C6	L46851A	ENGINE (ARROW)	20.0	2,089.7
B2D34C213	011239	PROPELLER ARROW	1,401.8	1,401.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	During post flight walk around several drops of fluid directly under nose gear	79 00	1	Inspected aircraft, replaced oil quick drain.	79 00	N	10-16	.7		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 10-16-03

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#: 1031585
Mech: CEC
Shop Code: F
Equip Code: A
Opened: 10/24/2003 21:15

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 10-24-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,032.3 A/F Tach: 2,200.0 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,372.4	2,372.4
IO-360-C1C6	L46651A	ENGINE (ARROW)	38.0	2,087.7
B2D34C213	011239	PROPELLER ARROW	1,419.8	1,419.8

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Engine ran rough and vibrated	71/00	1	Cleaned fuel nozzle, retimed L/H mag, inspected for intake leaks. Ran A/C all systems & parameters normal.	71/00	N	10/24	3.0			SB
2	oil psi is High	79/30	1	adjusted oil psi. ops check good	79/30	N	10/24	.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 10/24/03

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

WKO#: 1031970
Mech: WEL
Shop Code: W
Equip Code: A
Opened: 11/12/2003 19:44

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)

Date closed: 11/12/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,070.9 A/F Tach: 2,229.8 Init: WEL

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,402.0	2,402.0
IO-360-C1C6	L46651A	ENGINE (ARROW)	67.6	2,117.3
B2D34C213	011239	PROPELLER ARROW	1,449.4	1,449.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Dirty Aircraft	1220	1	Cleaned & vac'd Aircraft	1220	n	11/12	1.0		WEL	

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#: 1031978
Mech: ADC
Shop Code: F
Equip Code: A
Opened: 11/13/2003 6:57

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt'l)
Date closed: 11/14/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,070.8 A/F Tach: 2,229.6 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,402.0	2,402.0
IO-360-C1C6	L46851A	ENGINE (ARROW)	67.6	2,117.3
B2D34C213	011239	PROPELLER ARROW	1,449.4	1,449.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	Phase 4 Insp - Due Compressions #2 75/80 #1 77/80 #4 73/80 #3 79/80	05/00	1	Completed Phase 4 Insp. Next Due @ 2287.6	05/00	N	11/13 11/14	5.5 2.0			

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, Propeller and was determined to be in airworthy condition, and is approved for return to service
Certified Repair Station OG5R092N
Authorized Signature
Date 11/14/03

2	AD 2002-26-01 Fuel Inj Lines Insp Due, Amend. dtd 1/31/03	04/00	1	Performed Fuel Inj. Lines Insp - No defects noted at this time Next Due @ 2297.6	73/00	N	11/13	.2			

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 103975

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
3	Yearly ELT Insp. Due	05/20	1	[illegible]	25/60	N	11/13	.6		[illegible]	[illegible]
				This ELT was inspected in accordance with applicable manufacturer's instruction of FAA notice A8150-3 and found to meet the requirements of FAR 91.207 (d).							
				ELT Model 110-4 ELT S/N # 65043							
				ELT Test Date 11/13/09							
				Authorized Signature [signature] Certified Repair Station OG5R092N							
4	Electric Fuel Pump Leaking from shaft drain P/N 8120-6 S/N 56788	73/10	1	Removed Old Pump & Installed Pump P/N 8120-6 S/N ~~56~~ 2532 Ops check, leak check good	73/10	W	11/13	.7		[illegible]	[illegible]

INSPECTION SUPPLEMENT AND WORK ORDER Page 3 of 4

Reg#: (N) 259ND Work Order #: 1031978

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
5	Heat Shroud Fastener Tube Torn	71/60	1	Removed & Replaced Boot	71/60	N	11/13	.2			
6	Air Filter Restr	71/60	1	Removed & Replaced Air Filter Element Next Rec @ 2429.6	71/60	N	11/13	.1			
7	Lower Coul Bushings Worn	71/10	1	Removed & Replaced Lower Coul Bushings	71/10	N	11/13	.2			

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 1031975

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
8	Prop Nicked	61/00	1	Filed Prop	61/00	N	11/13	.2			
9	ELT Remote Switch Inop	25/00	1	Removed & Replaced ELT remote Switch Ops Good	25/00	N	11/14	.5			
10	Inspection Time	05/60	1	Time	05/60	N	11/14	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 QG5R092N

Authorized Signature

Date 11-14-05

1. Approving National Aviation Authority/Country:	2.	3. Form
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	R03-05

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
B & S Aircraft Parts & Accessories, Inc. 1414 S. Mosley Wichita, KS 67211 FAA Certified Repair Station No. NE2RO28L	03055821

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	Boost Pump	8120-G	N/A	1	2532	Overhauled

13. Remarks:

Overhauled in accordance with Weldon Manual No. J-800096, Rev. F, 1-2-03.

Certifies that the work specified in block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: JAA.4228. Full details held on work order R03-055821

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.:
			NE2RO28L
17. Name (Typed or Printed):	**18. Date:**	**22. Name (Typed or Printed):**	**23. Date (m/d/y):**
		Danny W. Caylor	10/10/2003

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block1.

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

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 N

Date Issued: 10/01/2003 By: Diana K. He

Customer Number	UNI002

University of North Dakot
School of Aerospace Scienc

COMPLETED

Sales Order Number:
Invoice Number:
Customer Request Date: 00/00/0000
Scheduled Ship Date:

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	None					8120-G	2532

Description	Product Code	Manufacturer	Mfg. Date	Dept.	Modification Status
Boost Pump	3181	Weldon Pump	/	2	

Discrepancy or Reason for Return
Repair

Work Instructions
Overhaul and Certify [X] Functional Test Only [ ] ~~Repair and Certify [X]~~ Other [ ]
Warranty Requested [ ] Accident Unit - Hidden Damage Inspection Required [ ]
Repair Cost Estimate Required Yes [X] No [ ] OKBE

Special Work Instructions Not Outlined Above

Work Performed
overhauled and tested in accordance w/ Weldon Manual No. J-800096 Rev. F, 1-2-03

Preliminary Inspection Record
assy date 1002

Initial: BV
Date: 10/7/03

Functional Test Results

Volts (D.C.)	Flow P.P.H.	Flow G.P.H.	discharge press. (P.S.I.)	Current (Amps)	Seal leak
14	355	56.5	14	3.75	0
	0		29	4.25	

Ran 4 HR - No leaks

Hidden Damage Inspection Record
motor shaft worn & rusty
seal worn, shows signs of leakage
plunger worn

Initial: BV
Date: 10/7/03

Certified Airworthy By	Certificate Number	Date	Master Technician	Technician	Date
3939	2366781	10-10-03		Bryan K. [illegible]	10-10-03

1100 09/97

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#: 1032254
Mech: TWC
Shop Code: F
Equip Code: A
Opened: 11/22/2003 9:00

OBTAIN ALL INITIALS BEFORE FILING

R/A [initials]
Parts (opt) [initials]
Date closed: 11-22-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,093.3 A/F Tach: 2,246.5 Init [initials]

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,418.9	2,418.9
IO-360-C1C6	L46651A	ENGINE (ARROW)	94.5	2,134.2
B2D34C213	011239	PROPELLER ARROW	1,466.3	1,466.3

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	A/C Would Not Start	72 00	1	Cleaned Spark Plugs, Charged	~~27 00~~	~	11/22	.5		[initials]	DFT
	When Finally Started			Batt Ops V Good	72 00						
	Ran Very Rough										

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 11-22-03

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#: 1032184
Mech: JDR
Shop Code: F
Equip Code: A
Opened: 11/20/2003 7:04

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 11-21-2003

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,096.4 A/F Tach: 2,241.8 Init

Part# 289ND	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,414.2	2,414.2
IO-360-C1C6	L46651A	ENGINE (ARROW)	79.8	2,129.5
B2D34C213	011239	PROPELLER ARROW	1,461.6	1,461.6

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	after about 45 minutes oil pressure was to nearly red line (100) no power or prop changes would lower oil pressures.	79 00	1	found oil pressure gauge to read 15 psi high. Replaced gauge. Operational check good	79 30	N	11/20	3.0		JDR	JDB

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 Joseph Rebrace
Date 11-20-03

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#: 1032363
Mech: JEB
Shop Code: F
Equip Code: A
Opened: 11/29/2003 9:20

OBTAIN ALL INITIALS BEFORE FILING

R/A MP
Parts (opt'l) MP
Date closed: 11-29-03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,108.2 A/F Tach: 2,257.7 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,430.1	2,430.1
IO-360-C1C6	L48651A	ENGINE (ARROW)	95.7	2,145.4
B2D34C213	011239	PROPELLER ARROW	1,477.5	1,477.5

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	R/H front seat will not adjust.	25 10	1	Repositioned seat cable.	25 10	N	11 29	.5			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 11-29-03

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#: 1032533
Mech: SJR
Shop Code: F
Equip Code: A
Opened: 12/7/2003 8:29

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opti)

Date closed: 12/7/03

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

N#: N288ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,118.6 A/F Tach: 2,265.6 Init SJR

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,438.0	2,438.0
IO-380-C1C6	L46661A	ENGINE (ARROW)	103.6	2,153.3
B2D34C213	011239	PROPELLER ARROW	1,485.4	1,485.4

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Landing Light	33 40	1	R&R'd landing light	33 40	N	12/7	.2		SJR	MRS
	TNSP			OPS ✓ 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 is found to be airworthy and is approved for return to service.
Certified Repair Station OG5R092N.

Authorized Signature Morgan R Stroot
Date 12/7/03

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#: 1032590
Mech: JEB
Shop Code: F
Equip Code: A
Opened: 12/9/2003 12:33

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)
Date closed: 12-9-03

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

N#: N299ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,121.7 A/F Tach: 2,269.2 Init JEB

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,441.6	2,441.6
IO-360-C1C6	L46651A	ENGINE (ARROW)	107.2	2,156.9
B2D34C213	011239	PROPELLER ARROW	1,489.0	1,489.0

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Static wick on R/H aileron missing	23 60	1	Replaced wick.	23 60	N	12 9	.5			JEB

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Certified Repair Station OG5R092N.

Authorized Signature [signature]
Date 12-9-03

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

WKO#: 1032883
Mech: SJR
Shop Code: F
Equip Code: A
Opened: 12/12/2003 15:10

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt)

Date closed: 12/16/03

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

N#: N289ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,139.0 A/F Tach: 2,291.1 Init SJR

Part# 289ND	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,453.6	2,453.6
IO-360-C1C6	L46851A	ENGINE (ARROW)	119.1	2,168.9
B2D34C213	011239	PROPELLER ARROW	1,500.9	1,500.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	DT	Mech	Insp
1	Phase #1 inspection	05/20	1	Phase 1 Complete	05/20	N	12/12	4.0		SJR	
	due					N	12/12	4.0		MRH	
						N	12/16	2.0		SJR	

I certify that this aircraft has been inspected in accordance with Phase 1 inspection, including, as applicable a routine inspection of Engine, Propeller, Wings, Empennage, Fuselage and detailed inspection of Fuselage, Cabin, Empennage and was determined to be in airworthy condition, and is approved for return to service
Certified Repair Station OG5R092N
Authorized Signature
Date 12/16/03

2	AD 2003-24-01 Fuel Inj Lines Insp Annual due 1/31/03	04/60	1	Inspected Inj lines No defects noted Next due @ 2357.6	73/10	N	12/12	.1		SJR	
3	Prop Nicked	61/60	1	Dressed prop	61/60	N	12/12	.2		SJR	

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 32683

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
4.	Right Strut	32 10	1	Replaced leaking	32 10	N	12/12	.6		NRH	SB
	leaking			strut and Serviced		N	12/12	.1		Sm	SB
				w/5606 + N_2							
Sm ~~5~~											
5	Left brake linings	32 40	1	R+R'd brake linings	32 40	N	12/12	.3		NRH	SB
	worn					N	12/12	.1		Sm	SB
6.	#1 Cyl Baffle seal	72 30	1	Resecured baffle	72 30	N	12/12	.1		Sm	SB
	loose			seal							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 32683

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
7	Left Fwd stab	2740	1	Removed Old Cable	2740	N	12/15	2.0		Sm	SB
	Cable worn			and slaved new cable							
				in.							
		2740	2.	Tensioned Cable and	2740	N	12/16	2.0		Sm	SB
				Rigged IAW PPer mm							
8.	Right Fwd stab	2740	1	Removed Old Cable	2740	N	12/15	4.5		Sm	SB
	Cable frayed			and slaved in new							
		2740	2.	Tensioned and Rigged	2740	N	12/16	2.0		Sm	SB
				New Cable IAW Piper mm							
9	Left fwd rudder	2730	1	Removed Old Cable	2730	N	12/12	1.0		Sm	SB
	Cable frayed			and Slaved in							
				New Cable.							
		2730	2.	Rigged and Tensioned	2730	N	12/16	1.0		Sm	SB
				New Cable IAW PPer mm							

INSPECTION SUPPLEMENT AND WORK ORDER Page 4 of 5

Reg#: (N) 289ND Work Order #: 32683

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
10.	Right Fwd Rudder	27 20	1	Removed Old Cable	27 20	N	12/12	1.0		Sm	SB
	Cable frayed			Slaved in New Cable							
		27 20	2	Tensioned and Rigged	27 20	N	12/16	1.0		Sm	SB
				New Cable IAW Piper	mm						
11.	Copilots seat has	25 10	1	Reseated Roll pins	25 10	N	12/12	.1		Sm	SB
	several roll pin										
	that need to be										
	reseated										
12.	Acorn nut and washers	25 10	1	Located missing	25 10	N	12/12	.1		Sm	SB
	missing from Copilots Seat			hardware and reinstalled							

INSPECTION SUPPLEMENT AND WORK ORDER

Reg#: (N) 289ND

Work Order #: 33683

PD	Problem Description (PD)	GAMA	CA	Corrective Action (CA)	GAMA	ACC	Date	Hrs	OT	Mech	Insp
13	Seat spring broken on Copilots seat	25 10	1	R/R seat back spring w/new. opts. check good	25 10	N	12/12	.3		DBH	SB
						N	12/12	.1		DBH	SB
14.	Insp Insp	25 60	1	Time	25 60	N	12/12	.4			SB
							12/15	.2			SB
							12/16	.4			SB

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~~Certified Repair Station OG5R092N.~~

Authorized Signature Scott V Baker

Date 12/16/03

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# 1032777
Mech: SJC
Shop Code: F
Equip Code: A
Opened: 12/17/2003 8:05

OBTAIN ALL INITIALS BEFORE FILING

R/A
Parts (opt) A
Date closed: 12/17/2003

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

N#: N299ND AcftType: ARRO Model: PA28R-201 Bill Meter: 3,139.3 A/F Tach: 2,281.1 Init

Part#	Serial#	Description	TSO	Total Time
PA28R-201	2844039	AIRFRAME (ARROW)	2,453.5	2,453.5
IO-360-C1C6	L46651A	ENGINE (ARROW)	119.1	2,168.8
B2D34C213	011239	PROPELLER ARROW	1,500.9	1,500.9

PD	Problem / Discrepancy (PD)	ATA	CA	Corrective Action (CA)	ATA	ACC	Date	Hrs	OT	Mech	Insp
1	fuel cap departed aircraft in flight	2800	1	replaced cap	2800	N	12/17	.3		SA	

Stephen Campbell
IAP 502767224