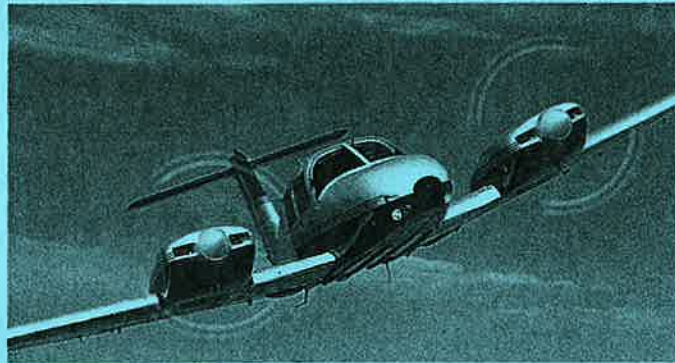


AIRFRAME



MAINTENANCE RECORDS


KENT STATE
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Airframe Maintenance Records

AIRCRAFT REGISTRATION NO. N 752KS

AIRCRAFT MFG PIPER MODEL PA-28R-201 SERIAL NO. 2844154

ENGINE MFG Lycoming MODEL I0-360-C2C6

PROPELLER MFG Hartzell MODEL HC-C2YR-1BFP/F7497

ENGINE MFG _____ MODEL _____

PROPELLER MFG _____ MODEL _____

BOOK _____ OF _____

AIRFRAME MAINTENANCE LOG

DATE	TACH OR AFTT	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK.
2/13/2023	3416.4	Opened This Logbook on FEB 13 2023 Christopher Brink CRS NX3R886D

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AIRFRAME-PA28R-201

N752KS

Total Time in Service: 3431.7

A/C TOTAL TIME :	<u>3431.7</u>
ENG TOTAL TIME :	<u>1044.7</u>
ENG T.S.M.O.H. :	<u>N/A</u>
TACH TIME :	<u>198.6</u>
PROP T.S.M.O.H. :	<u>N/A</u>
PROP TOTAL TIME :	<u>1488.9</u>

Complied with, 50HR INSPECTION CHECK LIST.

Inspected and serviced as required: hydraulic fluid, tires, Interior & exterior lighting inspected, brake linings & calipers. Interior & exterior airframe inspected for general condition with no defects noted. Complied with compass swing/calibration and updated deviation cards as needed. Complied with FAR 91.207 ELT inspection/test by visual inspection and test with no defects noted. Next due 03/2024. ELT battery expires 04/2025. Replaced CO detector with new unit. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2023-00102. Date: 03/01/2023

Signed: Christopher Brink Christopher Brinker, Certified Repair Station NX3R886D.

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N752KS

AFTT: 3474.1

TACH: 241.0

Repaired broken fresh air fan motor brush wire. Operations checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2023-00194. Date: 04/06/2023

Signed: Seth Brown Seth Brown, Certified Repair Station NX3R886D.

NEW AND SERVICEABLE

PARTS TAGS

FOR	N	030	080	E	120	150
STEER	359	027	056	088	119	150
FOR	S	210	240	W	300	330
STEER	180	209	240	269	300	330
DATE	07/01/2023 Radios On					

NEW AND SERVICABLE PARTS TAGS

DA **KENT STATE**
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I certify that this **Aircraft-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service : **3482.2**

A/C TOTAL TIME : **3482.2**
ENG TOTAL TIME : **1095.2**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **249.1**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1539.4**

Complied with an **Annual Inspection**.

Serviced hydraulic systems, battery, and tires. Cleaned & lubed yoke shafts, stabilator trim drum, flight controls & landing gear. Insp. ELT & battery due date (04/2025). Cleaned and inspected fuel system gascolator and reinstalled lock wire. Cleaned and inspected induction air filter. Inspected all interior and exterior lighting for proper operation. Inspected operation of all fuel sumps, no contamination noted. Inspected condition and operation of Tanis/Reiff engine preheater with no defects noted. Complied with 100 hour aft wing attach fitting inspection with no defects noted. Complied with **S.B. 1242** (rudder bar inspection) with no defects noted. Complied with **S.B. 1156A** (nose gear drag link bolt) by replacing bolt with new P/N NAS464P4-27 and both worn bushings with new P/N 452-800. Complied with **S.B. 1355B** (tee bar initial inspection) with no defects noted. Replaced worn propeller governor rod end with new P/N 89307-000. Replaced torn NG up stop with new P/N 37970-005. Replaced RMG inboard brake lining with new P/N 066-10500. Performed normal and emergency gear swings with no defects noted. Replaced burned out Nose Gear indicator bulb with new bulb P/N 330. Cleaned and repacked NG and RMG wheel bearings. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2023-00229**. Date: **04/21/2023**

Signed:  Charles Doyle, Certified Repair Station NX3R886D.

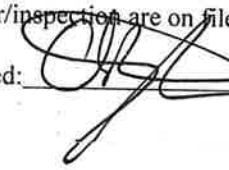
KENT STATE
UNIVERSITY

N752KS

AFTT: **3493.7**
TACH: **260.6**

Installed FAA registration renewal, expires 01/31/2028. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2023-00272**. Date: **05/02/2023**

Signed:  Charles Doyle, Certified Repair Station NX3R886D.

TACH DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH

KENT STATE
UNIVERSITY
AIRFRAME-PA28R-201

N752KS

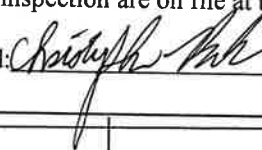
Total Time in Service: **3539.6**

A/C TOTAL TIME : **3539.6**
ENG TOTAL TIME : **1152.6**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **306.5**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1596.8**

Complied with, **50HR INSPECTION CHECK LIST**.

Inspected and serviced as required: hydraulic fluid, tires, Interior & exterior lighting inspected, brake linings & calipers. Interior & exterior airframe inspected for general condition with no defects noted. Complied with hydraulic fluid contamination check by visual inspection with no defects noted. Complied with Garmin G5 Standby battery capacity check by visual inspection: passed at 4:49. Next due **06/2024**. Replaced emergency gear lever placard with new unit. Replaced left and right stabilator static wicks with new P/N 494-678. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2023-00348**. Date: **06/01/2023**

Signed:  Christopher Brinker, Certified Repair Station NX3R886D.

KENT STATE
UNIVERSITY

I certify that this **Aircraft-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service : **3581.8**

A/C TOTAL TIME : **3581.8**
ENG TOTAL TIME : **1194.8**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **348.7**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1639.0**

Complied with an **Annual Inspection**.

Serviced hydraulic systems, battery, and tires. Cleaned & lubed yoke shafts, stabilator trim drum, flight controls & landing gear. Insp. ELT & battery due date (04/2025). Cleaned and inspected fuel system gascolator and reinstalled lock wire. Cleaned and inspected induction air filter. Inspected all interior and exterior lighting for proper operation. Inspected operation of all fuel sumps, no contamination noted. Inspected condition and operation of Tanis/Reiff engine preheater with no defects noted. Complied with 100 hour aft wing attach fitting inspection with no defects noted. Complied with **S.B. 1156A** (nose gear drag link bolt) by replacement of bolt with new P/N NAS464P4-27, inspected and measured bushings with no defects noted. Complied with **S.B. 1242** (rudder bar inspection) with no defects noted. Complied with **S.B. 1355B** (tee bar inspection) with no defects noted. Cleaned and repacked the left main wheel bearings. Replaced both left main brake linings with new P/N APS66-10500. Repaired two cracks in right aft engine baffle with a 3" x 3" and a 1.5" x 1.5" .032 2024T3 doubler. Replaced torn and missing right wing root molding with new PMA P/N K65773-00. Adjusted right nose gear door actuator rod end with two clockwise turns. Performed normal and emergency gear swings with no defects noted. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2023-00429**. Date: **07/13/2023**

Signed:  Charles Doyle, Certified Repair Station NX3R886D.

NEW AND SERVICABLE PARTS TAGS

DA	KENT STATE UNIVERSITY	N752KS
AFTT: <u>3601.7</u> TACH: <u>368.6</u>		
Replaced broken oil door latch with new P/N 472-017. Operations checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).		
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00458</u> . Date: <u>07/21/2023</u>		
Signed: <u>[Signature]</u> Charles Doyle, Certified Repair Station NX3R886D.		

KENT STATE UNIVERSITY	AIRFRAME-PA28R-201
N752KS	
Total Time in Service: <u>3626.6</u>	

A/C TOTAL TIME :	<u>3626.6</u>
ENG TOTAL TIME :	<u>1239.6</u>
ENG T.S.M.O.H. :	<u>N/A</u>
TACH TIME :	<u>393.5</u>
PROP T.S.M.O.H. :	<u>N/A</u>
PROP TOTAL TIME :	<u>1683.8</u>

Complied with, 50HR INSPECTION CHECK LIST.

Inspected and serviced as required: hydraulic fluid, tires, Interior & exterior lighting inspected, brake linings & calipers. Interior & exterior airframe inspected for general condition with no defects noted. Replaced Alternator P/N ALX-8521 S/N H-0090185 with overhauled alternator P/N ALX-8521-LS1, S/N H-0090187 (Overhauled by Aerotech of Louisville Inc. Date 01/APR/2022 Work order 148311) due to worn mounting holes. Replaced worn alternator belt with new P/N 37A19773-376. Replaced worn alternate air door arm with new P/N 67777-000 and swivel fitting with new P/N MC70371-00. Replaced all four worn cabin heat shroud saddles with new P/N Endplate saddle PA28R shroud. Removed, de-sledged, and reinstalled propeller with new o-ring P/N C-3317-228. Replaced right hand outboard brake lining P/N APS66-10500 and rivets P/N 105-00200. Removed and reinstalled number four exhaust stack with new gasket P/N 77611 and Nuts P/N STD1410. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2023-00481. Date: 08/04/2023

Signed: [Signature] Seth Brown, Certified Repair Station NX3R886D.

DATE	TACH OR AFTT	DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF PERSON PERFORMING WORK.
		KENT STATE UNIVERSITY N752KS AFTT: <u>3,649.3</u> TACH: <u>416.2</u> Replaced worn RMG tire with new Goodyear 6.00X6X6 FCIII and repacked RMG wheel bearings. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up). The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU 2023-00515</u> . Date: <u>8/29/2023</u> Signed: <u>[Signature]</u> Joshua Eyring, Certified Repair Station NX3R886D.

KENT STATE UNIVERSITY	N752KS
AFTT: <u>3663.8</u> TACH: <u>430.7</u>	
Troubleshoot for alternator field circuit breaker popped and no charging. Found alternator faulty. Removed alternator P/N ALX-8521, S/N H-0090187 and replaced with overhauled unit P/N ALX-8521, S/N H-0090185 (overhauled Aerotech of Louisville, Inc on WO#147867, dated 08/16/2023). Operations checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).	
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00553</u> . Date: <u>09/19/2023</u>	
Signed: <u>[Signature]</u> Christopher Brinker Certified Repair Station NX3R886D.	

KENT STATE UNIVERSITY	N752KS
AFTT: <u>3666.3</u> TACH: <u>433.2</u>	
Troubleshoot alternator dropping offline. Replaced alternator brush set with new P/N ALE-1013AS. Operations checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).	
The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# <u>KSU2023-00561</u> . Date: <u>09/21/2023</u>	
Signed: <u>[Signature]</u> Charles Doyle, Certified Repair Station NX3R886D.	

NEW AND SERVICABLE PARTS TAGS



I certify that this **Aircraft-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service :**3681.2**

A/C TOTAL TIME : **3681.2**
ENG TOTAL TIME : **1294.2**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **448.1**
PROP T.S.M.O.H. : **N/A**
PROP TOTAL TIME : **1738.4**

WITH
R OF

Complied with an **Annual Inspection**.

Serviced hydraulic systems, battery, and tires. Cleaned & lubed yoke shafts, stabilator trim drum, flight controls & landing gear. Insp. ELT & battery due date (04/2025). Cleaned and inspected fuel system gascolator and reinstalled lock wire. Cleaned and inspected induction air filter. Inspected all interior and exterior lighting for proper operation. Inspected operation of all fuel sumps, no contamination noted. Inspected condition and operation of Tanis/Reiff engine preheater with no defects noted. Complied with 100 hour aft wing attach fitting inspection with no defects noted. Complied with **S.B. 1242** (rudder bar inspection) with no defects noted. Complied with **S.B. 1156A** (nose gear drag link bolt) by measurement and bolt replacement with new P/N NAS464P4-27. Complied with **S.B. 1355B** (Tee bar) by visual inspection with no defects. Cleaned and repacked the NG wheel bearings. Replaced the right IB brake lining with new P/N APS66-1-500. Replaced the right front inflatable restraint with new P/N 7046-1-021-26396. Complied with the Amsafe DTC inspection/check with no defects. Adjusted the stab trim cable tension up 1 turn on each turnbuckle and safetied with new clips (4) P/N MS21256-1. Replaced the cabin heat intake duct with new P/N 565-447. Replaced the right lower cowling bushing kit with new P/N MC69790-00. Replaced the nose gear upper trunnion assembly with new P/N 67054-803. Installed 3 new arm assembly attach bolts with new P/N AN3H10A. Installed new turn limit placard P/N 35669-010. Performed normal and emergency gear swings with no defects noted. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# **KSU2023-00603**. Date: **10/12/2023**

Signed: *Sarah Johnson* Sarah Johnson, Certified Repair Station NX3R886D.



N752KS Airframe Log Date 5/21/2024 Tach 497.3 AFTT 3730.4

REPAIRED MULTIPLE AREAS OF FIBERGLASS. REPLACED (4) FASTENER 65202-800, (1) LH COWL PIN 65148-000, AND (1) RH COWL PIN 65148-001. PRIMED AND PAINTED WITH BASE CLEAR DBC PPG PAINT SYSTEM.

Work performed by Tiffin Aire, Inc.

Signature: *[Signature]* IA2229141

DA



I certify that this **Aircraft-PA28R-201 (N752KS)** has been inspected in accordance with an **Annual Inspection** and was found to be in an airworthy condition.
Time in Service :**3730.4**

A/C TOTAL TIME : **3730.4**
ENG TOTAL TIME : **1343.4**
ENG T.S.M.O.H. : **N/A**
TACH TIME : **497.3**
PROP T.S.M.O.H. : **0.0**
PROP TOTAL TIME : **1787.6**

Complied with an **Annual Inspection**.

Removed cowling due to damage from prop strike and sent to Tiffin Aire for repair, see previous logbook entry for work performed, and reinstalled after repair. Removed engine mount P/N 67119-058, S/N M00149322 for use on another aircraft and installed an overhauled mount P/N 67119-058, S/N M00275499 (overhauled by Aerospace welding Minneapolis, under WO# 218954, dated 4/30/2024). Installed Serviceable nose gear assembly onto mount. Removed engine P/N: IO-360-C1C6, S/N: RL-31187-51E for propeller strike inspection and all related accessories and reinstalled after repair (By G&N Aircraft inc. under W/O# 75833, dated 7/18/2024) and reinstalled related accessories. Reinstalled engine using original Lord mounts and bolts using 4 new attach nuts P/N MS20365-720C. Replaced the servo to fuel pump hose with new P/N 124F003-6CR-0162. Reinstalled the Tanis preheater kit. Serviced hydraulic systems, battery, and tires. Cleaned & lubed yoke shafts, stabilator trim drum, flight controls & landing gear. Complied with **FAR 91.207** (ELT inspection/test) by visual and audible inspection, battery due date (04/2025). Cleaned and inspected fuel system gascolator and reinstalled lock wire. Cleaned and inspected induction air filter. Inspected all interior and exterior lighting for proper operation. Inspected operation of all fuel sumps, no contamination noted. Inspected condition and operation of Tanis/Reiff engine preheater with no defects noted. Complied with 100 hour aft wing attach fitting inspection with no defects noted. Complied with **S.B. 1242** (rudder bar inspection) with no defects noted. Complied with **S.B. 1156A** (nose gear drag link bolt) by measurement and bolt replacement with new P/N NAS464P4-27. Complied with **SB 1355B** (Tee Bar) with no defects. Complied with **SB 1377B** (main wing spar Insp.) by fluorescent penetrant inspection and hole measurement with no defects noted. Complied with the wing flap initial interior inspection with no defects. Cleaned and repacked LMG, RMG, and NG wheel bearings. Complied with the fire extinguisher weight check and inspection with no defects. Complied with the Garmin G5 battery capacity test, passed with 3 hours and 10 minutes. Replaced the CO detector with new unit. Removed leaking left gear actuator P/N SFA232-5, S/N 5551 and installed an overhauled actuator P/N SFA232-5, S/N 5755 (overhauled by AAI, WO# 14277, dated 7/1/2024). Performed normal and emergency gear swings with no defects noted. Removed electric fuel pump P/N B8120-G, S/N 174297 and installed a new pump P/N B8120-G, S/N 2107252. Removed aft muffler P/N A66517-00, S/N 211481 and installed a new muffler P/N PIM0004, S/N 074326-0009. Replaced the #3 exhaust riser with new P/N A67812-00 and the #2 riser with new P/N K67810. Replaced 2 missing screws on right control yoke with new P/N 415-421. Replaced the left seat lumbar air release valve with new P/N 592-683. Replaced the nose gear upstop bumper with new P/N 37970-005. Disabled and placarded the Amsafe system IAW FAR 91.213(D)(3). Replaced the right aileron IB static wick with new P/N 494-678. Replaced the left front seatbelt assembly with new P/N 7046-1-011-2396. Replaced the storm window latch with new P/N 472-024.

The altimeter and pitot-static system tests required by 14 CFR 91.411, including data correspondence, and transponder tests required by 14 CFR 91.413, have been performed and found to comply with 14 CFR Part 43 appendix E and F to 20,000ft. Performed the Air Data static pressure calibration IAW the Garmin G5 maintenance manual.

Altimeter Make United P/N 5934PAD-3 S/N 504693
Altimeter Make Garmin P/N 011-03809-00 S/N 4JQ028073
ADC Make Garmin P/N GDC74A S/N 20618707
Transponder Make Garmin P/N GTX345 S/N 3EG026704
All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

REMOVED						INSTALLED			
Kent State University CRS# NX3R886D			Kent State University CRS# NX3R886D			Kent State University CRS# NX3R886D			
Altitude Correction Card			Altitude Correction Card			Altitude Correction Card W.O.			
Registration: N752KS Ser.No: 28			Registration: N752KS Ser.No: 28			Registration: N752KS Ser.No: 2844154			
Alt. Pos: G500 P/N: GDC-74A			Alt. Pos: G5 P/N: 011-03809-00			Alt. Pos: STBY P/N: 5934PAD-3 S/N: 504693			
Standard Altitude Ft.	Altimeter Reading	Standard Altitude Ft.	Standard Altitude Ft.	Altimeter Reading	Standard Altitude Ft.	Standard Altitude Ft.	Altimeter Reading	Standard Altitude Ft.	Altimeter Reading
-1000	-1005	14000	-1000	-1000	14000	-1000	-1000	14000	13980
0	-5	16000	0	6	16000	0	10	16000	15985
500	495	18000	500	500	18000	500	510	18000	18005
1000	995	20000	1000	1000	20000	1000	1020	20000	20030
1500	1495	22000	1500	1495	22000	1500	1525	22000	
2000	1995	25000	2000	2000	25000	2000	2030	25000	
3000	2995	30000	3000	3000	30000	3000	3020	30000	
4000	3995	35000	4000	4000	35000	4000	4020	35000	
6000	5995	40000	6000	6000	40000	6000	6000	40000	
8000	7990	45000	8000	8000	45000	8000	7980	45000	
10000	9990	50000	10000	10000	50000	10000	9970	50000	
12000	11990	55000	12000	12000	55000	12000	11960	55000	
Signed: <i>Sarah Johnson</i> Date: 11/8/2024			Signed: <i>Sarah Johnson</i> Date: 11/8/2024			Signed: <i>Sarah Johnson</i> Date: 11/8/2024			

Block 12 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.

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 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.

14a. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12

SERVICEABLE TAGS

KENT STATE
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AFTT: 3740.2
TACH: 507.1

N752KS

Pilot reported the load meter would continuously jump with gear up. Troubleshoot and found when aircraft is cold the gear would lose pressure causing the pump to cycle to bring the gear back up making the load meter jump. Isolated each gear actuator and found the issue to be the hydraulic power pack. Removed faulty pack P/N 38998-005, S/N 413767 and installed an overhauled pack P/N 38998-005, S/N 21782IZ (overhauled by Pifer's Airmotive WO# 21782, dated 3/1/2019). Performed normal and emergency gear swings, operations and leak checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00006. Date: 1/8/2025

Signed: Sarah Johnson Sarah Johnson, Certified Repair Station NX3R886D.

KENT STATE
UNIVERSITY

AFTT: 3742.2
TACH: 509.1

N752KS

Pilot reported all strobe lights inop. Removed the faulty strobe light power supply P/N 01-0770028-05, S/N 56507 and installed a new power supply P/N 01-0770028-05, S/N 09272020025. Operations checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00013. Date: 1/10/2025

Signed: Sarah Johnson Sarah Johnson, Certified Repair Station NX3R886D.

DA **KENT STATE**
UNIVERSITY

N752KS

AFTT: 3743.5
TACH: 510.4

Removed dead battery P/N RG-35AXC, S/N 41255620 and installed new battery P/N RG-35AXC, S/N 41267798. Operations checked with no defects noted. Replaced cracked left recognition light lens with new P/N 36739-028. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00086. Date: 02/10/2025

Signed: Charles Doyle Charles Doyle, Certified Repair Station NX3R886D.

KENT STATE
UNIVERSITY

ENGINE-PA-28R-201

N752KS

Time in Service: 1365.8

A/C TOTAL TIME : 3752.8
ENG TOTAL TIME : 1365.8
ENG T.S.M.O.H. : N/A
TACH TIME : 519.7

Complied with, 25 Hour Special Oil Change.

Complied with: Lycoming S.J. 1492D (oil filter insp.) & S.B. 480E (Oil filter & suction screen insp.). Changed oil & filter with 6 QTS. Aeroshell W15W-50, & AA48111 filter. Performed post maintenance engine run-up for leak check, no leaks noted. Operationally checked good. All work performed IAW the Lycoming Direct Drive Engine Maintenance Manual.

The aircraft, airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00183 Date: 03/13/2025

Signed: Bosko Stojanovic Bosko Stojanovic, Certified Repair Station NX3R886D

KENT STATE
UNIVERSITY

N752KS

AFTT: 3773.1
TACH: 540.0

Replaced ELT battery with serviceable P/N 455-0012, battery expires 03/2029. Complied with FAR 91.207 (ELT insp/test) with no defects noted. Operations checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00333. Date: 05/02/2025

Signed: Charles Doyle Charles Doyle, Certified Repair Station NX3R886D.

NEW AND SERVICABLE PARTS TAGS

KENT STATE UNIVERSITY
AIRFRAME-PA28R-201
N752KS
Total Time in Service: 3775.6

A/C TOTAL TIME : 3775.6
ENG TOTAL TIME : 1388.6
ENG T.S.M.O.H. : N/A
TACH TIME : 542.5
PROP T.S.M.O.H. : 45.2
PROP TOTAL TIME : 1832.8

Complied with, 50HR INSPECTION CHECK LIST.
Inspected and serviced as required: hydraulic fluid, tires, Interior & exterior lighting inspected, brake linings & calipers. Interior & exterior airframe inspected for general condition with no defects noted. Replaced worn L/H inboard brake lining with new APS66-10500. Replaced burned out far R/H post light bulb with new P/N GE 330. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00400. Date: 5/29/2025

Signed: Joel Mellinger, Certified Repair Station NX3R886D.

KENT STATE UNIVERSITY

N752KS

AFTT: 3790.4
TACH: 557.3

Replaced broken cabin door upper latch handle with new P/N 464-029. Operations checked with no defects noted. All work performed IAW the PA-28R-201 Arrow Maintenance Manual (S/N's 2844001 & Up).

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00666. Date: 09/05/2025

Signed: Christopher Brinker, Certified Repair Station NX3R886D.

DATE TACH OR DESCRIPTION OF WORK PERFORMED. ALL DATA MUST BE ENDORSED WITH REPAIR STATION NUMBER OR SIGNATURE AND CERTIFICATE NUMBER OF

KENT STATE UNIVERSITY

I certify that this Aircraft-PA28R-201 (N752KS) has been inspected in accordance with an Annual Inspection and was found to be in an airworthy condition.
Time in Service : 3790.4

A/C TOTAL TIME : 3790.4
ENG TOTAL TIME : 1403.4
ENG T.S.M.O.H. : N/A
TACH TIME : 557.3
PROP T.S.M.O.H. : 60.0
PROP TOTAL TIME : 1847.6

Complied with an Annual Inspection.
Serviced hydraulic systems, battery, and tires. Cleaned & lubed yoke shafts, stabilator trim drum, flight controls & landing gear. Insp. ELT & battery due date (03/2029). Cleaned and inspected fuel system gascolator and reinstalled lock wire. Cleaned and inspected induction air filter. Inspected all interior and exterior lighting for proper operation. Inspected operation of all fuel sumps, no contamination noted. Inspected condition and operation of Tanis/Reiff engine preheater with no defects noted. Complied with 100 hour aft wing attach fitting inspection with no defects noted. Complied with SB 1355 (Tee bar inspection) with no defects noted. Complied with S.B. 1242 (rudder bar inspection) with no defects noted. Complied with S.B. 1156A (nose gear drag link bolt) by inspection of bushings and replacement of bolt with new P/N NAS464P4-27. Calculated CSH IAW SB 1372 to be 3795.2. Complied with fire extinguisher weight check and found within limits. Performed magnetic compass calibration/swing and updated cards as needed. Cleaned and repacked RMG, NG, and LMG wheel bearings. Replaced LMG and RMG brake discs with 1 each new P/N APS164-02000. Performed normal and emergency gear swings with no defects noted. All work performed IAW the Piper Arrow (S/N's 2844001 and up) Maintenance Manual.

The aircraft airframe, aircraft engine or appliance identified above was inspected and repaired in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair/inspection are on file at the Repair Station under this work order: W/O# KSU2025-00676. Date: 09/11/2025

Signed: Christopher Brinker, Certified Repair Station NX3R886D

FOR	N	030	060	E	120	150
STEER	359	027	057	088	120	150
FOR	S	210	240	W	300	330
STEER	180	209	239	269	300	330
DATE	09/11/2025		Radios On			

ND SERVICABLE PARTS TAGS