

# AIRCRAFT TECHNICAL RECORD

## Section 1. AIRFRAME LOG

## AIRCRAFT DATA

1. Nationality & Registration Canadian C-GAZL
2. Manufacturer's Designation  
(Make & Model) PA28R-201T
3. Manufacturer's Serial  
Number 28R-7703186
4. Type Approval or  
Specification Number 2A13
5. Date of Manufacture 1977
6. Aircraft Inspection Cycle  
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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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# Section 1: Airframe Log

DATE	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
1 1			4259	.5			
Nov 14/19	1	.3	4260	.8			
Nov 15	1	.3	4262	.1			
Nov 16	1	.8	4263	.9			
Nov 18/19		.3	4264	.2			

4264.2 TAT 315.6 SMOH

Chandelle Aviation Inc.

January 23, 2020 12326 - 111<sup>th</sup> Ave Grande Prairie, AB T8V 7Z4 Ph: 780-538-3800

- Removed original Stewart Warner mechanical tachometer, tach cable and housing, and p/n 640925 tachometer drive reduction adapter.
- Installed new Electronics International R-1-6 electronic tachometer s/n 241232 per 01 0517911 installation manual and STC SA5924NM
- No instructions for continued airworthiness needed for this installation.
- Weight and balance/equipment list amended.
- Installed new fuel flow placard due to instrument relocation.
- Reversed LH nose wheel steering rod bolt at rudder pedal.
- Installed new APS66-10500 brake lining stbd. outer.
- Replenished brake fluid.
- Reset tire pressures.
- Ground runs satisfactory.

I have conducted an inspection for conformance to the Type for Flight/ Powerplant Controls that were affected by the work accomplished.

  
Chase Sandeman-Allen M447439

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

  
Jordan Carlson M245528

Feb 22	3	.4	4267	.6		
Feb 24	1	.3	4268	.9		
Mar 10		.9	4269	.8		

# Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							

Mustang Maintenance & Repairs Ltd.  
 September 10, 2020      4272.0 TTSN      **AIRFRAME**      C-GAZL      PA28R-201T      S/N 28R-7703186  
 Annual inspection carried out in accordance with airworthiness standards and C.A.R.S. 625 Appendix "B" Part 1 and Appendix, "C".  
 CF-90-03-R2 Part I, Heat muff inspected for signs of combustion products, cracks, and pinholes. No faults found.  
 AD76-07-12, Ignition switch tested serviceable at the extreme limit of its travel in the "OFF" direction. No faults found.  
 AD2013-02-13, stabilator cable inspection not carried out at this time. **Due August 18, 2021.**  
 CAR 625 AppC-10(a), non-stabilized magnetic direction indicator calibrated, and a dated correction card installed.  
 CAR 625 AppC-12(a), ELT inspected and re-certified by Northern Avionics.  
 Cylinder differential compression check carried out. #1 68/80, #2 68/80, #3 67/80, #4 69/80, #5 63/80, #6 63/80.  
 Engine oil and filter replaced. P/N 7 x 20W50, CH48108-1(B#8526).  
 Engine air filter replaced. P/N BA-3(B#8508).  
 Main aircraft battery replaced. P/N RG35AXC(B#8566), S/N 41108967.  
 Nose tire and tube replaced. P/N 070-308-0(B#8577), 097-908-0(B#8272).  
 Nose wheel bearings and races replaced. P/N LM67048(B#6630), LM67010(B#6630).  
 Two oil pressure switches replaced under panel (left side firewall aft). P/N 587-990 & 587-956(B#8578).  
 Left and right flexible brake lines replaced on main landing gear. P/N 111-4(B#8545/8567), P/N 300-4S(B#8545/8567).  
 Left brake caliper replaced. P/N 061-02100(B#8578).  
 Right brake caliper re-sealed. P/N M83461-1-222(B#8401).  
 Tail navigation light bulb wiring repaired. P/N 1777(B#6588).  
 Installed Reiff engine pre-heater kit. P/N SS6(B#8569).  
 Left and right fuel cap seals replaced. P/N 492-153(B#7489), P/N 462-056(B#8041).  
 Nose gear drag brace hardware re-torqued and safetied.  
 Right recognition light bulb replaced. P/N 4509(B#8521).  
 Right fuel quantity gauge wiring replaced on rear of fuel tank. (high resistance at poor crimp causing gauge to peg to full)  
 Spark plugs removed, cleaned, tested, re-gapped, and re-installed. P/N M674(B#8391)  
 Pilot right brake master cylinder re-sealed. P/N 494-062(B#3761), MS28775-113(B#7936), MS28775-110(B#8547), MS28775-012.  
 Left and right brake systems bled and serviced with MIL-PRF-5606.  
 Left brake linings replaced. P/N 066-10500(B#8539), 105-00200(B#6058).  
 Gascolator disassembled, cleaned, inspected, and re-installed.  
 Aircraft jacked to retract gear. Five fault free cycles carried out.  
 Portable fire extinguisher inspected and re-weighed. Serviceable.  
 First aid kit inspected.  
 Carbon monoxide detector replaced. P/N ASA-CO-D, B#8507.  
 I hereby certify that the maintenance described herein has been performed in accordance with the applicable airworthiness requirements.

  
 Signature of AME

  
 License No.

Work Sheets on File.

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# Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		

DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)

CARRIED FORWARD  
A/C Reg: C-GAZL

Northern Avionics Inc.

AMO 68-03

Date: 8, September 2020

- Avionics Maintenance Only -

**Removed:** Removed the following items and all associated wiring:

Loran receiver PN 430-6003-007 SN 01024864, Apollo GX 60 GPS/COMM PN 430-6050-600 SN 6008271,  
Garmin GTX 320 Transponder PN 011-00259-00 SN 83200333, KMA 20 Audio Panel SN 1679,  
SPA 400 ICS SN 6054972, AT 575 GPS Antenna SN21075, Icarus 3000U grey code serializer SN 5777,  
Narco AR500 Encoder SN 5556, KN 72 VOR/LOC converter PN 066-4009-00 SN 13348, Loran Antenna NPN NSN,  
and MD41-724 ACU SN 8488.

**Installed:** The following installations are classified as major modifications:

Installed Garmin GTN 750Xi GPS/NAV/COMM PN 011-04634-00 SN 5FR002274 Per Garmin AML STC SA02019SE-D. Unit configured and function checks serviceable per Garmin STC installation manual 190-01007-C0 rev 1 dated Dec 31-2019. Aircraft flight manual supplement updated with completed document 190-01007-C2 rev 2 dated Feb 19-2020. Provided instructions for continued airworthiness document 190-01007-C1. GTN software version 20.0 checked current at time of install.

Installed Garmin GTX 345 transponder PN 011-03302-01 SN 3EG040513 and Garmin GAE-12 altitude encoder PN 011-03080-00 SN 3T6018982 per Garmin AML STC SA01714W1. Units configured and tested serviceable per Garmin STC installation manual 190-00734-10 rev 14 dated January 2020. GTX software version 2.54 checked current at time of install.

**The following installations are classified as minor modifications:**

Installed Garmin GMA 345 audio panel PN 011-03520-00 SN 3Z0009566 per Garmin installation manual 190-01878-02 Rev 4 dated August 31-2019. Integrated to aircraft systems and function checked serviceable per referenced document and Northern Avionics wiring diagram for installation rev IR dated August 20-2020.

Installed serviceable KI 209 Nav indicator PN 066-3056-01 SN 12389 per king manual 006-00140-0004 dated Aug 2002. Unit function checks serviceable per referenced document and Northern avionics wiring diagram for installation rev IR dated August 20-2020.

**Maintenance Items:**

-Garmin GA 35 GPS antenna PN 013-00235-00 SN 190901 installed by Mustang Maintenance and Repairs, reference Mustang WO 3937 for installation details.

Repaired main panel lighting wiring that was incorrectly spliced to 14VDC bus per AC 43.13 CH 11.

-Removed altimeter 5934P-3 SN 411930, re certified altimeter per CAR 571 app B to an altitude of 20,000'. Re installed altimeter same PN/SN. Certified Encoder GAE-12 listed above and performed integration test in accordance with CAR 571, app F up to 20,000 FT. Performance tested GTX 345 Transponder listed above in accordance with CAR 571, appendix F. Equipment was tested September 4, 2020.

-Replaced comm 1 VHF antenna (fwd) with PN CI 139 SN 633608. Function checks serviceable

-Pitot static leak check carried out at 1000' above ambient, checks serviceable.

-Installations resulted in a net decrease to aircraft ELA.

-Weight and balance amendment completed, new aircraft empty weight 1891.55 lbs 84.74" aft of datum.

The described maintenance has been performed in accordance with applicable airworthiness requirements.

Reference WO: 9809

Signature/Stamp:

# Section 1: Airframe Log

DATE m / d / y	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
09/12/20	4	7	4276	7			
09/13/20	5	4	4282	1			
09/14/20	1	3	4283	4			
09/15/20	1	1	4284	5			
09/16/20	1	4	4285	9			
09/17/20	1	9	4287	8			
09/18/20	3	1	4290	9			
09/19/20	1	6	4292	5			



Tel: (905) 335-6759 Fax: (905) 335-6766  
 e-mail: kashop@spectumairways.com  
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Date: September 24, 2020  
 Aircraft Registration: C-GAZL  
 Aircraft Model: PA28R 210T  
 Aircraft Total Time: 4292.5

WO#: 9900  
 Make: Piper  
 Aircraft S/N: 28R-7703186  
 Total Time Since Last Inspection: 20.5

**Work accomplished:**

- + R/H main gear light not illuminating - Bulb U/S - Removed and replaced with new bulb.
- + Manifold gauge instrument light found disconnected/loose - Reconnected and function tested satisfactory.
- + Fuel selector "OFF" safety does engage - Trimmed plastic around selector to allow clearance.

*[Signature]*  
 Signature of AME



AMO 335-92

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

09/26/20	1	0	4293	5			
09/29/20	1	4	4294	9			
10/02/20	3	1	4298	0			
10/04/20	1	2	4299	2			
10/05/20	0	6	4299	6			
10/08/20	2	4	4302	2			
10/09/20	2	9	4305	1			
10/12/20	0	7	4305	8			
10/13/20	1	9	4307	7			
10/14/20	2	2	4309	9			

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# Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENTS)



Tel: (905) 335-8759 Fax: (905) 335-8768  
 e-mail: keashop@spectrumairways.com  
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Date: October 16, 2020  
 Aircraft Registration: C-GAZL  
 Aircraft Model: PA28R-210T  
 Aircraft Total Time: 4309.9

WO#: 9910  
 Make: Piper  
 Aircraft S/N: 28R-7703186  
 Total Time Since Last Inspection: 37.9

- Work accomplished:
- Troubleshoot gear not fully retracting.
  - Found LH brake line rubbing on gear well - repositioned brake line.
  - Topped up hydraulic fluid in gear pump reservoir.
  - Accomplished 5 satisfactory gear swings.

  
 Signature of AME



AMO 335-92

The maintenance described above has been performed in accordance with applicable standards of airworthiness.

10/16/20	2.0	4311.9			
10/17/20	2.2	4314.1			
10/18/20	2.3	4316.4			
10/20/20	1.0	4317.4			
10/21/20	4.4	4321.8			
10/22/20	1.5	4323.3			
10/23/20	1.8	4325.1			
10/24/20	1.8	4326.9			
10/25/20	1.4	4328.3			
10/28/20	1.0	4329.3			
10/29/20	1.6	4330.9			
10/31/20	2.4	4333.7			
11/3/20	2.8	4336.5			
11/4/20	3.4	4339.9			
11/5/20	1.9	4341.8			
11/6/20	<del>4.7</del> 7.4	4349.2			
11/7/20	3.5	4352.7			
11/9/20	1.7	4354.4			
11/14/20	0.6	4355.0			
11/18/20	2.0	4357.0			
11/20/20	2.3	4359.3			
11/21/20	4.2	4363.5			

Oil change on this day Phillips XCSEA 20w-50 + New

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	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
M/D/Y							
11/24/20	1.7		4365.4				
11/27/20	1.1		4366.5				
11/28/20	1.6		4368.1				
11/29/20	2.3		4370.4				
11/30/20							Oil Change Phillips xCseer 20w-50 + new oil filter
12/3/20	1.2		4371.6				
12/6/20	1.4		4373.0				
12/8/20	1.2		4374.2				



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Date: December 11, 2020  
 Aircraft Registration: C-GAZL  
 Aircraft Model: PA28R-210T  
 Aircraft Total Time: 4370.4

WO#: 9943  
 Make: Piper  
 Aircraft S/N: 28R-7703186  
 Total Time Since Last Inspection: 98.4

**Work accomplished:**

- RH brake soft- Pads worn out. Removed and replaced with new brake pads
- Bled RH brakes
- Topped up hydraulic fluid in brake fluid reservoir.

*[Signature]*  
 Signature of AME

AMO 335-92



The maintenance described above has been performed in accordance with applicable standards of airworthiness.

12/13/20	1.6		4375.8			
12/14/20	1.9		4377.7			
12/17/20	2.1		4379.8			
12/18/20	2.3		4382.1			
12/19/20	1.1		<del>4382.2</del>	4383.2		
12/21/20	1.3		<del>4383.5</del>	4384.5		
12/22/20	4.6		<del>4388.1</del>	4389.1		
12/29/20	1.4		<del>4389.5</del>	4390.5		
12/31/20	1.0		4391.5			
01/06/21	0.3		4391.8			

DATE: JANUARY 7 -2021 REG.: C-GAZL S/N.: 28R-7703186 T.T.S.N.: 4391.8  
 Replaced L/H tire with new P/N 072-314-0. Nose gear oleo serviced with MIL-H-5606 fluid and nitrogen. Installed PTT switch P/N 30-1. on r/h control yoke and operation normal.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness requirements.

Signature: *[Signature]* 156335

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DATE	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
M 17/21							
01/07/21	3.1		4394.9				
01/08/21	1.5		4396.4				
01/11/21	0.2		4396.6				
01/15/21	1.4		4398.0				
01/23/21	3.1		4401.1				
01/28/21	0.8		4401.9				
02/17/21	2.8		4404.7				



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**Date:** February 18, 2021  
**Aircraft Registration:** C-GAZL  
**Aircraft Model:** PA28R-210T  
**Aircraft Total Time:** 4404.7

**WO#:** 9987  
**Make:** Piper  
**Aircraft S/N:** 28R-7703186  
**Total Time Since Last Inspection:** 132.7

**Work accomplished:**

- Accomplished AD2020-26-16 Wing Spar inspection as per Piper SB 1345. No defects noted at this time.
- Eddy current inspection was accomplished by Applus RTD. See Applus WO# 98387
- Replaced four spar bolts with new, install and torque.

  
 Signature of AME



AMO 335-92

The maintenance described above has been performed in accordance with applicable standards of airworthiness.

02/19/21	0.7		4405.4				
02/21/21	3.1		4408.5				
02/25/21	1.7		4410.2				

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