

N 1459V

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

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 & REPLACEMENT)

NAME/
SIGNATURE

LICENCE:
AME or
AMO/ACA

Caldwell Aviation
4717 S. Frontage Road Columbus, MS 39701
662-361-8701

August 9, 2019 N1459V Tach: 4146.6 AFTT: 4146.6
Inspected aircraft in accordance with Cessna 172M Checklist and FAR 43, Appendix "D". Lubed in accordance with Lube chart. Installed a new bracket induction filter BA-6108. Researched AD's through 2019-07. Complied with AD 11-10-07 (Seat Rails and Pin). I certify this aircraft has been inspected in accordance with a 100 hr / ANNUAL inspection and determined to be in airworthy condition.

Robert S. Caldwell, III
Robert S. Caldwell, III A&P 3256723, I.A.



MAINTENANCE ENTRY Sept 19, 2019
CESSNA 172M, N1459V S/N 17263596

ITEMS REMOVED: Garmin GTX327 Transponder P/N 011-00490-00.
ITEMS INSTALLED: Garmin GTX345 w/out GPS P/N 011-03302-00, Rami transponder antenna P/N AV-74.
MAJOR ALTERATION: A Garmin GTX345 transponder w/out GPS was installed in the same location as the removed GTX327 and interfaced to the GNS430W, newly installed transponder antenna and Altitude Encoder. The GTX345 was installed using new RG-142 transponder coax and circuit breaker. Power to the GTX345 was connected to the avionics bus using a new 3 amp resettable circuit breaker labeled Xponder installed in the same location as the removed 5 amp circuit breaker.
The Garmin GTX345 was installed under the guidelines and in reference to Garmin GTX3XX transponder Part 23 AML STC IM P/N: 190-00734-10 Rev 13 September 2019 Ref: STC/AML SA01714W1. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227.
The newly installed transponder was evaluated and tested using IFR ATC6000 equipment and found to be within the parameters of the IM Operation/Performance Ground Check. Satisfactorily performed tests and inspections as required by FAR 91.413, Part 43 Appendix F and Altitude Reporting Correlation Test per FAR Part 43 Appendix E (c). Satisfactorily performed ADS-B Checks.
MINOR ALTERATION: A Rami AV-74 transponder antenna was installed below the copilot floor board under the guidelines of and in reference to the RAMI Installation Instructions Doc #27-801-02, Rev D Dec 2018.
Updated GNS430W from 5.20 to 5.4 Main, 5.0GPS. AFMS updated to Doc #190-00356-03 Rev F. Final ground checks satisfactory.
MINOR REPAIR: Found all pilot instrument panel shock mounts cracked or broken. Replaced all 10 pilot side panel shock mounts.

See FAA Form 337 dated Sept 19, 2019.
The work described above has been inspected and found airworthy for return to service.
Weight and balance/supplemental equipment list updated.
Pertinent details on file at this repair station under Work Order #011583.
Robert S. Caldwell, III
Signed for Carpenter Avionics, Inc. Repair Station RH4R492M



Maintenance Entry

September 19, 2019 N1459V Cessna 172 sn 17263596

Repaired 2500ft/min static leak. Tightened several fittings and static drain bottle. Found rate satisfactory at 37ft/min @2000ft. Found KI209 and GI-106A lighting inop. Found lighting wires disconnected from lighting dimmer bus. Connected to dimming circuit. Replaced all pilot instrument panel shock mounts due to being cracked or broken. Updated GNS430W software from 5.20 main/5.0 GPS to 5.40 min/5.0 GPS. AFMS updated to Doc #190-00356-03 Rev F.

Final systems ground checks satisfactory.

The work described above has been inspected and found airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order #011583.

Robert S. Caldwell, III
4265172

Signed for Carpenter Avionics, Inc. Repair Station RH4R492M



Maintenance Entry

September 19, 2019 N1459V Cessna 172 sn 17263596

I certify that the altimeter United Instruments Pneumatic Altimeter- P/N- 5934PA-3 S/N- 426375 has been tested, inspected and found to comply with Appendix E, para. b of FAR 43. The altimeter was tested to a maximum of 18,000 feet.
I certify that the ATC transponder Garmin GTX345 P/N- 011-03302-00 S/N- 3EG029418 has been tested inspected and found to comply with Appendix F of Far 43. The altitude reporting correspondence checks required have been performed to 18,000 feet. This aircraft meets criteria outlined in FAR, part 43 Appendix E, para. c. I certify that the static system was tested and inspected and found to comply with Appendix E para. a of FAR43. The work described above has been inspected and found airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order #011583.

Robert S. Caldwell, III
Signed for Carpenter Avionics, Inc. Repair Station RH4R492M

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October 28, 2019 N1459V Tach: 4153.2 AFTT: 4153.2
Removed and installed Whelen A490TCCF Strobe Power Supply PN 01-0770006-09. Replaced (1) Lord Cowl Mount Bushing PN J-7444-1. Removed and installed new NDM Oil Cooler PN 20002A. Operational check performed satisfactory.

Robert S. Caldwell, III
Robert S. Caldwell, III A&P 3256723, I.A.

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November 27, 2020 N1459V Tach: 4161.1 Hobbs: 2869.9 AFTT: 4161.1
Inspected aircraft in accordance with Cessna 172M Checklist and FAR 43, Appendix "D". Lubed in accordance with Lube chart. Installed a new bracket induction filter BA-6108. Installed McFarlane Mixture Control Cable PN MC600-72. Installed 8 ft. Scat Hose. Installed Merl ELT Battery BP-1010 Exp 12-22. Installed Lord Cowl Mount Bushing PN J-7444-14. Researched AD's through 2020-11. AD 2020-18-01 does not apply to this model number. Complied with AD 11-10-07 (Seat Rails and Pin). I certify this aircraft has been inspected in accordance with a 100 hr / ANNUAL inspection and determined to be in airworthy condition.

Robert S. Caldwell, III
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November 27, 2020 N1459V Tach: 4162.7 Hobbs: 2871.8 AFTT: 4162.7
In accordance with 43.9 or 43.11, this aircraft was flown for 1.6 hours for initial engine break-in and test flight. Operational check performed satisfactory.

Thomas Glyn Hilton
Thomas Glyn Hilton, A&P 3093102