

AIRCRAFT TECHNICAL RECORD

Section 1. AIRFRAME LOG

N13KS
#5

AIRCRAFT DATA

1. Nationality & Registration N131CS
2. Manufacturer's Designation (Make & Model) Cessna T210L
3. Manufacturer's Serial Number 21060202
4. Type Approval or Specification Number
5. Date of Manufacture 1974
6. Aircraft Inspection Cycle



W/O #
2441Details of this work order
are on file at MAC4490 Highway 6
Mandan, ND 58554AIRCRAFT
PTT:
129.2Registration
N13KSDATE
03/16/2020MFG.
CESSNAMODEL#:
T210LSERIAL#:
21060202TACH:
4321.0ETT:
4429.7ESMOH:
144.18AFTT:
4321.0

& REPLACEMENT)

1. Complied with annual inspection items per FAR 43 Appendix D and the manufacturer's Maintenance Manual.
2. Checked for new or recurring airworthiness directives through this date.
3. Installed new ELT battery (P/N BP1010). Complied with FAR 91.207(d): inspection of ELT. Operational check OK.
4. Battery replacement due January 2022.
5. Charged, serviced and installed new main ship battery (G-242, S/N G03064285). Operational check OK.
6. Complied with Airworthiness Directive 2011-10-09, inspection of seats and rails. No defects noted. Due each 100 hours or each Annual Inspection.
7. Complied with Airworthiness Directive 71-09-07, inspection of heat exchanger muffler. Installed new exhaust components from Aerospace Welding that complies with AMOC proposal to AD 71-09-07 R1. This changes the 50 hour repetitive inspection to a 100 hour inspections.
8. Complied with Airworthiness Directive 2020-03-16, inspection of carry through spar in accordance with SEL 57-08 R1. No defects noted. NDT portion of inspection was performed by Ewer Testing under work order #1338.
9. Installed new L/H strobe tube (P/N 073-0270). Operational check OK.
10. Replaced two missing dzus fastener on the battery box.
11. Lubed defrost controls. Operational check OK.
12. Adjusted pilot's door latch to facilitate better latching while parked. Operational check OK.
13. Replaced pilot's door lower hinge pin (P/N 0711038-1). Operational check OK.
14. Installed new fuel strainer bowl (P/N MC0756008-1) using new orings (P/N M83248/1-111 and P/N M83248/1-138). Leak check OK.
15. Serviced nose strut with nitrogen per aircraft maintenance manual.

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an AIRWORTHY condition.

Howard Burns A&P 501908279 IA Howard Burns

W/O #
2441Details of this work order
are on file at MAC4490 Highway 6
Mandan, ND 58554ENGINE
PTT:
129.2Registration
N13KSDATE
03/16/2020MFG.
CESSNAMODEL#:
T210LSERIAL#:
21060202TACH:
4321.0ETT:
4429.7ESMOH:
144.18AFTT:
4321.0

1. Complied with inspection of magneto impulse coupling per SB1-19 and 2-19A. Removed 6320 series magnetos, Left-hand S/N 16110208, Right-hand S/N 16110210 and inspected per SB1-19, and SB2-19A. No defects noted. Service bulletin SB1-19 is due each 500 hours. Service bulletin SB2-19A is due each 400 hours.

Howard Burns A&P 501908279 Howard Burns

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TOTALS

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W/O # 2646	Details of this work order are on file at MAC		 MANDAN AERO CENTER ND		4490 Highway 6 Mandan, ND 58554		AIRFRAME
Registration N13KS							PTT: 158.8
DATE 04/06/2021	MFG. CESSNA	MODEL#: T210L	SERIAL#: 21060202	TACH: 4350.6	ETT: 4459.3	ESMOH: 173.8	AFTT: 4350.6

1. Complied with annual inspection items per FAR 43 Appendix D and the manufacturer's Maintenance Manual.
2. Checked for new or recurring airworthiness directives through this date.
3. Installed new ELT battery (P/N BP1010). Complied with FAR 91.207(d): inspection of ELT. Operational check OK. Battery replacement due January 2022.
4. Complied with Airworthiness Directive 2011-10-09, inspection of seats and rails. No defects noted. Due each 100 hours or each Annual Inspection.
5. Replaced damaged hoses attaching standby vacuum pump. Operational check OK.
6. Installed a new AN4-16A bolt in aft seat aft center mounting hole.
7. Replaced broken nutplate securing left-hand wing root fairing.
8. Replaced all studs (P/N S1115-2) securing front and top covers for battery box.
9. Installed a new o-ring (P/N M83248-1-111) sealing bottom of fuel strainer bowl. Leak checked bowl OK.
10. Drilled out and replaced damaged screws securing removable seat rails for forward seats.
11. Installed main landing gear shell assemblies (P/N 124630-7 and 124630-8). Gear retraction checked OK.

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an AIRWORTHY condition.

Howard Burns A&P 501908279 IA Howard Burns Jr

W/O # 2787	Details of this work order are on file at MAC		 MANDAN AERO CENTER ND		4490 Highway 6 Mandan, ND 58554		AIRFRAME
Registration N13KS							PTT: 184.7
DATE 04/01/2022	MFG. CESSNA	MODEL#: T210L	SERIAL#: 21060202	TACH: 4376.5	ETT: 4485.2	ESMOH: 199.7	AFTT: 4376.5

1. Complied with annual inspection items per FAR 43 Appendix D and the manufacturer's Maintenance Manual.
2. Checked for new or recurring airworthiness directives through this date.
3. Complied with FAR 91.207(d): inspection of ELT. Installed new ELT battery (P/N BP1010). Battery replacement due Aug 2023. Operational check OK.
4. AD 2022-03-15 is not due to listed equipment not currently installed.
5. AD 2021-23-12 is not applicable due to aircraft's certification category.
6. Complied with Airworthiness Directive 2011-10-09, inspection of Inspection of seat rails and seat installation. No defects noted. Due each 12 months, or 100 hours.
7. Installed a new vacuum relief filter (P/N ARB3-5-1) for the standby vacuum pump.
8. Serviced and charged main ship battery.

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an AIRWORTHY condition.

Howard Burns A&P 501908279 IA Howard Burns Jr

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AME or
MO/ACA

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Bismarck, ND 58504

Details of this work order are on file at BAC

Date: 4/08/2022; Aircraft: N13KS; Type: T210L; S/N: 21060202; Hobbs: Tach: 4376.90; Total Time: LG Cycles:

Shop Order #: RS-22-2238

1. Trouble shot static system leak and found multiple fittings leaking. Removed and replaced static fittings and line as needed. Trouble shot pitot system leak and found leaking fitting in overhead. Removed and replaced fittings as needed. Tested static system per part 43 appendix E, test ok. Tested pitot system leak, no defects noted.
2. Removed and replaced aircraft battery with a new battery (P/N: G-242 S/N: G03148076). Serviced battery with electrolyte.
3. Installed a new push to talk switch (P/N: 30-3) on co pilot side. Functional test ok.

For Bismarck Aero Center, CRS# D1NR542Y, Bismarck, ND 58504

Signed *John H. Heyen*

N# 13KS

HOBBS / TACH: 4376.9

The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E Paragraph (b).
ALTIMETER S/N 14024 tested to 25,000 feet, dated 04/08/22 ENCODER S/N 122774

tested to 25,000 feet, dated 04/08/22 The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).

The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.

Transponder Model GTX345

S/N 3EG010784

The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under:

Work Order Number RS-22-2238

Signed *John H. Heyen*

Date 04/08/22



CRS# D1NR542Y

N# 13KS

HOBBS / TACH: 4376.9

The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E Paragraph (b).

ALTIMETER S/N 4303 tested to 25,000 feet, dated 04/08/22 ENCODER S/N

tested to feet, dated The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).

The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.

Transponder Model

S/N

The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under:

Work Order Number RS-22-2238

Signed *John H. Heyen*

Date 04/08/22



CRS# D1NR542Y

N# 13KS

HOBBS / TACH: 4376.9

The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E Paragraph (b).

ALTIMETER S/N 397502 tested to 25,000 feet, dated 04/08/22 ENCODER S/N

tested to feet, dated The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).

The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.

Transponder Model

S/N

The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under:

Work Order Number RS-22-2238

Signed *John H. Heyen*

Date 04/08/22



CRS# D1NR542Y

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TOTALS

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N# 1375 HOBBS / TACH 4376.9

The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E Paragraph (b).

ALTIMETER S/N 09230 tested to 25,000 feet, dated 04/08/22 ENCODER S/N

tested to feet, dated The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).

The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.

Transponder Model S/N

CE:

r

CA

The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under:

Work Order Number RS-22-2312 Signed *John Heyen* Date 04/08/222301 University Dr. Bldg 53
Bismarck, ND 58504

CRS #D1NR542Y

Details of this work order are on file at BAC

Date: 8/12/2022; Aircraft: N13KS; Type: T210L; S/N: 21060202; Hobbs:; Tach: 4401.00; Total Time:; LG Cycles:

Shop Order #: RS-22-2312

1. Removed Aspen EFD 1000 (P/N 910-00001-001 S/N 14024) and Aspen EFD 1000 (P/N 910-00001-001 S/N 4303). Installed a new Aspen EFD 1000 (P/N 910-00001-021 S/N 9714199) in the PFD position. Installed a new Aspen EFD 1000 (P/N 910-00001-021 S/N 9714187) in the MFD position. Enabled synthetic vision on both displays in accordance with Aspen tech note 2011-10. Enabled third party ADS-B unlock on the Aspen MFD in accordance with Aspen tech note 2014-02. All work and testing done in accordance with Aspen Avionics EFD 1000 installation manual (P/N 900-00003-001) and Aspen Avionics STC SA10822SC. Functional test ok. Tested both Aspen EFD 1000's to 20,000 feet per part 43 appendix E, test ok. Tested static system per part 43 appendix E, test ok.
2. Removed Aspen MFD RSM (P/N 910-00003-002 S/N 1056). Installed a new Aspen RSM (P/N 910-00003-012 S/N 601127). Work and testing done in accordance with Aspen avionics installation manual (P/N 900-00003-001). Functional test ok.
3. Re-located wiring for GTN 650 and Garmin GI 106A CDI interface. Re-located CDI wiring from main connector to Nav connector. Found improperly crimped wires in CDI connector. Installed new sockets as needed. Work and testing done in accordance with Garmin GTN 6XX/7XX installation manual (P/N 190-01007-A3). Functional test ok.
4. Removed and replaced pins at transponder connector that had too much exposed wiring. Work and testing done in accordance with Garmin GTX 3XX installation manual (P/N 190-00734-10). Functional test ok. Tested transponder (S/N 3EG010784) per part 43 appendix F, test ok. Tested integrated system per part 43 appendix E, test ok.
5. Checked wiring on copilots bose jack and pilots headset jack and found incorrect. Repaired copilot bose jack and pilots headset jack wiring as needed. Work and testing done in accordance with Bose installation instructions and PS Engineering PMA 7000BT installation manual (P/N 200-780-0204). Functional test ok.

Signed *John Heyen*

For Bismarck Aero Center, CRS# D1NR542Y, Bismarck, ND 58504

N# 13KS

HOBBS / TACH 4401.0

The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E Paragraph (b).

ALTIMETER S/N 9714199 tested to 20,000 feet, dated 08/12/22 ENCODER S/N 376004497

tested to 20,000 feet, dated 08/12/22 The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).

The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.

Transponder Model GTX 345 S/N 3EG010784

The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under:

Work Order Number RS-22-2312 Signed *John Heyen* Date 08/12/22

N# 13KS

HOBBS / TACH 4401.0

The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E Paragraph (b).

ALTIMETER S/N 9714187 tested to 20,000 feet, dated 08/12/22 ENCODER S/N

tested to feet, dated The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).

The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.

Transponder Model S/N

The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under:

Work Order Number RS-22-2312 Signed *John Heyen* Date 08/12/22

Sec

N# 13KS
 The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).
 ALTIMETER S/N 09230 tested to 20,000 feet, dated 08/12/22 ENCODER S/N —
 D tested to — feet, dated — The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).
 I The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.
 C FOR Transponder Model —
 The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under: —
 Work Order Number BS-22-2312 Signed John H. Hagen Date 08/12/22 NT)



N# 13KS HOBBS / TACH 4401.0

The altimeter and encoder tests required by 14 CFR Part 91.411 have been performed and found to comply with 14 CFR Part 43 Appendix E Paragraph (b).
 ALTIMETER S/N 397502 tested to 20,000 feet, dated 08/12/22 ENCODER S/N —
 tested to — feet, dated — The static system tests have been performed and found to comply with 14 CFR Part 43 Appendix E paragraph (a).
 The ATC transponder test required by 14 CFR Part 91.413 have been performed and found to comply with 14 CFR Part 43 Appendix F.

Transponder Model — S/N —
 The system integration has been tested and found to comply with 14 CFR Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under: —

Work Order Number BS-22-2312 Signed John H. Hagen Date 08/12/22



W/O # 2884	Details of this work order are on file at MAC				4490 Highway 6 Mandan, ND 58554	AIRFRAME
Registration N13KS						
DATE 01/12/2023	MFG. CESSNA	MODEL#: T210L	SERIAL#: 21060202	TACH: 4424.8	ETT: N/A	AFTT: N/A

1. Jacked aircraft and partially retracted gear as needed to disassemble L/H gear leg. Resealed plug and bolt at the top of the L/H gear spring assembly for the brake system. Re-installed L/H gear. Extended gear to the down and locked position and set aircraft on the ground. Brake system operational and leak checks OK.
2. Resealed lower nose strut using new J & M Aircraft Supply strut seal kit (P/N JMCNS1). Serviced nose strut with Royco 756 hydraulic fluid and nitrogen. Rebalanced and reinstalled nose wheel. Leak check OK.
3. Removed R/H main tire. Cleaned and inspected wheel. Cleaned and serviced inner and outer wheel bearings. Installed new tube (P/N: 097-500-0) and new tire (P/N: 606C81B1, S/N 90145859).
4. Installed new APS Black Steel brake discs (P/N APS164-30615-3). Replaced all brake linings (P/N 066-30026). Checked fluid level in master cylinders, brake operation checked OK.

Howard Burns A&P 501908279 IA Howard Burns 2

W/O # 2917	Details of this work order are on file at MAC		4490 Highway 6 Mandan, ND 58554				AIRFRAME
Registration N13KS							PTT: 234.7
DATE 06/12/2023	MFG. CESSNA	MODEL#: T210L	SERIAL#: 21060202	TACH: 4426.5	ETT: 4535.2	ESMOH: 249.7	AFTT: 4426.5



LICENCE:
AME or
IMO/ACA

1. Complied with annual inspection items per FAR 43 Appendix D and the manufacturer's Maintenance Manual.
2. Checked for new or recurring airworthiness directives through this date.
3. Complied with FAR 91.207(d): inspection of ELT. Operational check OK. Battery replacement due August 2023.
4. Complied with Airworthiness Directive 2011-10-09, inspection of Inspection of seat rails and seat installation. No defects noted. Due each 12 months, or 100 hours.
5. Complied with AD 71-09-07 R1, inspection of exhaust/cabin heat exchanger per AMOC GL-FSDO-15. No defects noted. Due each 100 hours.
6. Removed oxygen bottles and sent to Dakota fire for hydro testing. Hydrotesting performed by Dakota Fire, Bismarck, North Dakota. Re-installed oxygen cylinders into aircraft.
7. Replaced vacuum relief filter (P/N ARB3-5-1) with new.
8. Tensioned alternator belt.
9. Replaced rear navigation light lamp (P/N GE 307). Operational check OK.
10. Tightened valve core and serviced nose strut. Inspected nose strut for leaks. No leaks noted.

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an AIRWORTHY condition.

Howard Burns A&P 501908279 IA Howard Burns

W/O #
3053

Registration
N13KS

Details of this work order
are on file at MAC



4490 Highway 6
Mandan, ND 58554

AIRFRAME

PTT:
288.6

DATE 09/19/2024	MFG. CESSNA	MODEL#: T210L	SERIAL#: 21060202	TACH: 4480.4	ETT: 4589.1	ESMOH: 303.6	AFTT: 4480.4
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1. Complied with annual inspection items per FAR 43 Appendix D and the manufacturer's Maintenance Manual.
2. Checked for new or recurring airworthiness directives through this date.
3. Complied with FAR 91.207(d): inspection of ELT. Operational check OK. Battery replacement due August 2023.
4. Complied with Airworthiness Directive 2011-10-09, inspection of Inspection of seat rails and seat installation. No defects noted. Due each 12 months, or 100 hours.
5. Complied with AD 71-09-07 R1, inspection of exhaust/cabin heat exchanger per AMOC GL-FSDO-15. No defects noted. Due each 100 hours.
6. Complied with Airworthiness Directive 2023-09-09, inspection of exhaust system V-band clamp by replacing clamp with a new (P/N S1921-1). Reinspection due in 12 months. Replacement due within 500 hours.
7. Installed a new rivnut in inspection panel in floor and installed fire extinguisher.
8. Installed new placard for manual gear operation on gear pump cover.
9. Installed new baggage compartment placard.
10. Placarded both fuel tanks "AVGAS ONLY".
11. Installed a new instruction placard for switching from dry tank per TCDS.
12. Placarded alternate static source.
13. Installed new fuel flow surges placard per TCDS.
14. Removed fuel strainer. Dressed end of standpipe. Checked fuel screen, no defects noted. Reassembled fuel strainer assembly with a new O-ring. Leak check OK.
15. Reconnected one overhead ventilation air duct to flow divider in left wing.

16. Freed and lubed nylon rollers for right flap cables at left wing inboard rib. Operational check OK.
17. Fit Steen PMA'ed vertical fin fairing (P/N SA1231059-1) to aircraft. Painted fairing and installed on top of vertical stabilizer. Beacon operational check OK.
18. Installed new seat stops (P/N STOP KIT 1) in front of both forward seats.
19. Tightened loose hardware on seats, and lubed adjustment mechanism. Operational check OK.
20. Tapped threads in nut plate for right hand removeable seat rail.
21. Removed primer line and flushed with fuel to remove debris. Reinstalled line and primer pump. Operational and leak-check OK.

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an AIRWORTHY condition.

Mark McCann AP 501904860 IA

Mark McCann

W/O # 3131 3142	Details of this work order are on file at MAC						AIRFRAME
Registration N13KS							PTT: 297.0
DATE 08/25/2025	MFG. CESSNA	MODEL#: T210L	SERIAL#: 21060202	TACH: 4488.8	ETT: 4570.5	ESMOH: 312.0	AFTT: 4488.8



4490 Highway 6
Mandan, ND 58554

1. Complied with annual inspection items per FAR 43 Appendix D and the manufacturer's Maintenance Manual.

2. Checked for new or recurring airworthiness directives through this date.

3. Complied with FAR 91.207(d): inspection of ELT. Operational check OK. Battery replacement due Nov 2026.

4. Complied with Airworthiness Directive 2011-10-09, inspection of seat rails and seat installation. No defects noted. Due each 12 months, or 100 hours.

5. Complied with AD 71-09-07 R1, inspection of exhaust/cabin heat exchanger per AMOC GL-FSDO-15. No defects noted. Due each 100 hours.

6. Complied with Airworthiness Directive 2023-09-09, inspection of exhaust system V-band clamp by replacing clamp with a new (P/N S1921-1). Reinspection due in 12 months. Replacement due within 500 hours.

7. AD 2024-26-02, seatbelt buckle handle cracks is not applicable as affected parts are not installed.

8. Installed new center cabin floor bulkhead (P/N 1211304-2) at fuselage station 55.6. Installed serviceable Co-Pilot forward cabin floor longitudinal bulkhead (P/N 1211308-2U) starting at fuselage station 27.75. Installed plug connectors to allow for replacement of structural members. Operational check after install OK.

9. Installed a new vacuum relief filter (P/N ARB3-5-1).

10. Stop-drilled crack on R/H side of tailcone.

11. Repaired baggage door hold open bracket. Operational check OK.

I certify this AIRCRAFT has been inspected in accordance with an ANNUAL INSPECTION and was determined to be in an AIRWORTHY condition.

Zach Metland AP 4118651 IA

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