

DATE

TOTAL
TIME
IN
SERVICE

Freedom Aviation
310 Hangar Road
Lynchburg, VA 24502
(434) 237-3342
CRS# BGSR439C

Date: 12/14/2023; Aircraft: N583PU; Type: SR20; S/N: 2043; Tach: 5656.7; WO#: F23-2275

Airframe Entries

Complied with Main Battery Capacity Check IAW Concorde RG Series 5-0171 CMM 24-30-71 Testing and Fault Isolation (1) and (7) and recharged battery per (8). Battery (P/N RG24-11M, S/N 41196839) Passed capacity check.

ELT battery due replacement. Removed and discarded old battery. Installed new battery kit P/N 455-0012 IAW Artex Installation Instructions 571-6504 Rev. E. Battery due date Sep/2030. Complied with FAR 91.207 ELT annual inspection IAW FAR 91.207 (d) and ELT manufacturer's instructions on ELT model ME406, SN 197-02921. Next due 12 calendar months.

Removed and replaced L/H flap rub strip IAW SR20 AMM section 57-50.

Removed peeling RH side belly fire shield. Cleaned shield and aircraft surface. Re-installed fire shield and secured with rivets (P/N CR3523-4-5). Sealed fire shield to fuselage with firewall sealant. Work done IAW Cirrus SR20 AMM chapter 53-30.

Removed tailpipe with hole in side wall and replaced with new pipe P/N: 20556-002 IAW Cirrus SR20 AMM section 78-20.

Removed cracked baffle patch on forward, pilot side baffle piece and repaired with .040 2024 T-3 aluminum IAW A.C. 43.13-1B Ch.4 Sec 4.

Installed missing screw P/N MS35207-632 and washer P/N NAS1149F0316P into pilot side front baffle IAW SR20 AMM section 72-00.

Reinstalled main gear fairings IAW Cirrus SR20 AMM 32-10 replacing missing hardware as required.

Installed new grommet P/N MS35489-13 for worn grommet. On RH front engine baffle near #1 alternator. Work done IAW Cirrus SR20 AMM 71-50-00.

Removed underweight fire extinguisher and installed new P/N A344 fire extinguisher S/N H-35474549, weight 40.52 oz.

Removed RH main wheel, disassembled and discarded worn tire (P/N 156E66B1 S/N 93365811) Installed new tire (P/N 070-449-0 S/N 2231T00135) and reinstalled wheel on aircraft. All work done IAW Cirrus SR20 AMM Revision B9 32-41. Leak check good.

Removed, disassembled and cleaned LH brake caliper. Reassembled with 2 new P/N M83461/1-222 o-rings. Replaced temp label P/N 51698-003, reinstalled caliper and bleed system. Work done IAW SR20 AMM section 32-42. Ops check good.

Disassembled nose gear spindle, cleaned and inspected, no detects noted. Reassembled and adjusted tension IAW SR20 AMM 32-20.

RH exhaust bonding strap fraying. Removed fraying bonding strap and replaced with new P/N MS25083-6BB6 IAW Cirrus SR20 AMM section 78-20.

Removed old sealant from all antennas on top of aircraft, and resealed IAW Cirrus SR22 AMM section 20-10.

Cleaned various debris from interior of aircraft. Vacuumed out interior floor panels and floor.

Removed worn seat tracks on both pilot and co-pilot's side and installed serviceable seat tracks (P/N: 12490-009 & 12490-010) IAW Cirrus SR22 AMM 25-10.

Retied line cutters caps knot with new nylon cord and break-away cord as required IAW Cirrus SR20 CAPS system CMM 95-01-01.

AMSAFE EMA due 08/2023. Removed old AMSAFE EMA P/N 508358-421 S/N 33582341 and installed new EMA P/N 508358-421 S/N A24APR23-98 IAW Cirrus SR20 AMM 25-10. Ops check good.

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