

22468

SCHEDULED MAINTENANCE CHECKS

1. DESCRIPTION

The owner and/or operator is primarily responsible for maintaining the airplane in an airworthy condition. This includes compliance with all applicable Airworthiness Directives. It is further the responsibility of the owner or operator to ensure that the airplane is inspected as specified in Parts 43 and 91 of the Federal Aviation Regulations. This inspection guide is not intended to be all-inclusive, for no such guide can replace the good judgment of a certified airframe and power plant mechanic. As the one primarily responsible for the airworthiness of the airplane, the owner or operator should select only qualified personnel to maintain the airplane.

While this guide may be used as an outline, detailed information of the many systems and components in the airplane will be found in the various chapters of the Maintenance Manual and pertinent vendor publications. It is recommended that reference be made to the applicable Maintenance Handbooks, Service Instructions, applicable FAA Regulations and Publications, Vendor's Bulletin and Vendor's Specifications for torque values, clearances, settings, tolerances, and other requirements. During the inspection it should be verified that all interior and exterior placards are legible and in place. It is the responsibility of the owner or operator to ensure that the airframe and power plant mechanic inspecting the airplane has access to the previously noted documents as well as to this inspection guide.

Note: These inspections meet the intent of 14 CFR § 91.409 and Part 43, Appendix D. In addition to the inspections prescribed by this schedule, the altimeter instrument and static system and all ATC transponders MUST be tested and inspected at 24-month intervals in compliance with the requirements specified in 14 CFR § 91.411 and 91.413.

2. INSPECTION GROUPS AND CRITERIA

Note: Wherever an inspection is directed to a specific part or component, it is implied that the inspection will include observation and evaluation of the surrounding area of parts and equipment.

A. Visual Inspection

When called for by an inspection task, or any time an area is visible during an inspection or maintenance action, the following visual inspection criteria shall be accomplished without requiring disassembly or removal of adjacent equipment unless otherwise specified. The criteria will normally apply to those areas, surfaces, or items which become visible by the removal or opening of access doors, panels, fairings, or cowlings. The visual inspection shall include an examination by area, component, detail, assembly, or installation, as well as any associated equipment within the immediate vicinity, using any inspection aids considered necessary. When performing an annual or 100-hour inspection, each installed miscellaneous item not covered in the following Scheduled Inspection Report shall be inspected for improper installation and improper operation.

Note: All "5-20" references in the Chap-Sect Reference column of the Scheduled Inspection Report are to be understood as references to the following criteria for visual inspection.

Visual inspection criteria will normally consist of, but are not limited to the following criteria:

- (1) **Moving Parts**
Proper operation, correct alignment, security, sealing, cleanliness, lubrication, adjustment, tension, travel, condition, binding, excessive wear, cracking, corrosion, deformation, and any other apparent damage.
- (2) **Composite Parts**
Security, condition, cleanliness, separation of, delamination, wear, cracking, obstruction of drainage or vent holes, deformation, overheating, fluid saturation, and any other apparent damage.

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- (3) **Metal Parts**
Security, condition of finish, cleanliness, distortion, fatigue cracks, welding cracks, corrosion, and any other apparent damage.
- (4) **Fuel, Air, and Hydraulic Oil Lines and Hoses**
Cracks, dents, kinks, loss of flexibility, deterioration, obstruction, chafing, improper bend radius, cleanliness, security, and any other apparent damage.
- (5) **Electrical Wiring, Bonding and Shielding**
Cleanliness, loose, corroded, or broken terminals; chafed, broken, or worn, insulation; security, heat deterioration, deformation, hardening, brittleness, fluid contamination, and any other apparent damage.
- (6) **Bolts and Nuts**
Fretting, wear, damage, stretch, proper torque, and safety wiring.
- (7) **Filters and Screens**
Filters and screens shall be removed, cleaned, inspected for contamination, or replaced as applicable.
- (8) **Wet Fuel Areas**
Evidence of fuel leaks, condition of sealant, cleanliness, bacterial growth, corrosion, delamination, separation of bond, and structural fatigue.

B. Operational Inspection

When called for by an inspection task, a **Operational Inspection** is a check to determine that a component or system is fulfilling its intended purpose. The **Operational Inspection** does not require quantitative tolerances. In the following schedule, the appropriate Chapter and Section from the Airplane Maintenance Manual (AMM) is defined in the Chap-Sect Reference Column.

C. Functional Inspection

When called for by an inspection task, a **Functional Inspection** is a quantitative check to determine if one or more functions of a component performs within specified limits. The **Functional Inspection** is a comparative examination of a component or system against a specific standard. In the following schedule, the appropriate Chapter and Section from the Airplane Maintenance Manual (AMM) is defined in the Chap-Sect Reference Column.

Scheduled Inspection Report			
Make Cirrus Design	Model SR22	Serial Number 1326	Registration Number 22465
Owner		Date 2-2-10	
Type of Inspection Annual		Operating Time 677.4 Hobb	

Note: All references to "5-20" under the Chap-Sect column are to be understood as reference to Visual Inspection criteria defined above under Inspection Groups and Criteria.

Pre-Inspection	Chap-Sect Reference	Interval	100 Special	Initials
1. Operational/Functional Check Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. Make a record of all malfunctions and abnormalities for reference during the inspection. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	○		JTB
2. Review compliance status with current Federal Aviation Regulations. This includes inspection of the following: - Airplane Flight Manual - Aircraft Log Book - Registration Certificate - Weight and Balance Record - FAA Airworthiness Directives - Cirrus Design Service Documents	-	○		JTB

Engine Group	Chap-Sect Reference	Interval	100 Special	Initials
1. 25 Hour Inspection After first 25 hours of operation on new, rebuilt, or overhauled engine, perform complete 100-Hour Engine Inspection in accordance with the manufacturer's approved Instructions For Continued Airworthiness.			1st 25 Hrs	JTB
2. Engine Cowling Remove and perform visual inspection for cracks, distortion, and loose or missing fasteners.	71-10 5-20	○		JTB
3. Engine Compartment Visual inspection for leaks.	5-20	○	50 Hrs	JTB
4. Engine Oil Drain and change every 50 hours or 6 months, whichever occurs first.	12-10	○	50 Hrs	JTB
5. Oil Sump Plug Visual inspection for condition.	5-20	○		JTB

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Engine Group (Continued)		Chap-Sect Reference	Interval 100 Special	Initials														
6.	Oil Filter Perform Inspection/Check - Oil Filter Particles every 50 hours or 6 months, whichever occurs first.	12-10	○ 50 Hrs	JTB														
7.	Oil Lines and Fittings Visual Inspection for leaks, security, chafing, dents, and cracks every 100 hours and after first 50 hours or 6 months of operation on new, rebuilt, or overhauled engine.	5-20	○ 1st 50 Hrs or 6 Mnths	JTB														
8.	Oil Cooler Fins Clean and perform Visual Inspection for cracking, bending, and general condition.	5-20	○	JTB														
9.	Spark Plug Cable Leads Visual Inspection for chafing, corrosion, and deposits.	5-20	○ 50 Hrs	JTB														
10.	Engine Compression Functional Inspection in accordance with the manufacturer's approved Instructions For Continued Airworthiness. <table border="1" style="margin-left: 20px;"> <tr> <td>Cyl #</td> <td>1</td> <td>3</td> <td>5</td> <td>2</td> <td>4</td> <td>6</td> </tr> <tr> <td>P.S.I.</td> <td>70</td> <td>68</td> <td>70</td> <td>64</td> <td>70</td> <td>69</td> </tr> </table> Master Orifice Reading:	Cyl #	1	3	5	2	4	6	P.S.I.	70	68	70	64	70	69	Refer to TCM ICA	○	JTB
Cyl #	1	3	5	2	4	6												
P.S.I.	70	68	70	64	70	69												
11.	Spark Plugs Inspect, clean, re-gap and rotate in accordance with the manufacturer's approved Instructions For Continued Airworthiness.	Refer to TCM ICA	○	JTB														
12.	Magneto Functional Inspect in accordance with the manufacturer's approved Instructions For Continued Airworthiness. Internal Inspection every 500 hours in accordance with the manufacturer's approved Instructions For Continued Airworthiness. Replace or overhaul at the expiration of 5 years since the date of original manufacture or last overhaul, OR 4 years since the date the magneto was placed in service, whichever occurs first.	Refer to TCM ICA	○ Internal Inspect. 500 Hrs Not done Rplc or Ovrhl per note	JTB														
13.	Induction System Filter Visual Inspection for security, general condition, and cleanliness at 100 hours. Replace at Annual Inspection, at 200 hours, or when filter is more than 50% covered by foreign material.	71-60	○ Annual, 200 Hrs, or 50% used	JTB														
14.	Fuel Injection Nozzles Visual inspect nozzles and manifold valve for fuel stains, security, and proper venting every 100 hours. Every 300 hours and at first 100-Hour Inspection on new, rebuilt, or overhauled engine, remove and clean fuel injection nozzles in accordance with the manufacturer's approved Instructions For Continued Airworthiness.	5-20 Refer to TCM ICA	○ 1st 100 Hrs 300 Hrs	JTB														

Engine Group (Continued)		Chap-Sect Reference	Interval 100 Special	Initials
15.	Gascolator Fuel Filter and Bowl - <i>Serials 0002 thru 2709</i> Perform Servicing - Gascolator at initial 25 hours, and every 50 hours thereafter.	28-20	○ 1st 25 Hrs, 50 Hrs	
	Gascolator Fuel Filter and Bowl - <i>Serials 2710 & subs</i> Perform Servicing - Gascolator at initial 25 hours, and every 100 hours thereafter.	28-20	○ 1st 25 Hrs, 100 Hrs	JTD
	Visual Inspection to verify red pop-up indicator not visible every 50 hours.		50 Hrs	
16.	Fuel Pump Visual Inspection for leaks, security, and condition.	5-20	○	JTD
17.	Flexible Fuel Lines Visual Inspection for leaks, security, and condition.	5-20	○	JTD
18.	Battery 1 - <i>Serials 0002 & subs w/ TCM Battery</i> Perform Electrolyte Level Check.	12-10	○	JTD
	Battery 1 - <i>Serials 3026 & subs w/ Concorde Battery</i> Perform Capacity Check at initial 24 months or 1200 hours, and every 12 months or 200 hours thereafter.	24-30	24 Months or 1200 Hrs, 12 Months or 200 Hrs	
19.	Battery Platform, Terminals, and Cables Visual Inspection for security, corrosion, and general condition.	12-10	○	JTD
20.	Wiring Visual Inspection for damaged wiring and clamps.	5-20	○	JTD
21.	Cylinder Cooling Fins Visual Inspection for cracking, bending, and general condition.	5-20	○	JTD
22.	Engine Baffling and Seals Visual Inspection for cracks, tears, and rips.	5-20	○	JTD
23.	Air Intake Ducts Visual Inspection for general condition.	5-20	○ 50 Hrs	JTD
24.	Alternate Air Door Check operation of alternate air flapper valve.	71-60	○ 50 Hrs	JTD
25.	Throttle, Propeller, and Mixture Control Cable Visual Inspection for security and condition of cotter pins, castelated nuts, and oversized washers.	5-20	○	JTD
26.	Exhaust System Perform Inspection/Check - Exhaust System.	78-20	○ 50 Hrs	JTD

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Engine Group (Continued)		Chap-Sect Reference	Interval		Initials
			100	Special	
27.	Exhaust System Perform Adjustment/Test - Forward Ball Joints.	78-20	○		JTB
28.	Exhaust Muffler/Heat Exchanger Perform Inspection/Check - Heat Exchanger.	78-20	○		JTB
29.	Cabin Heat Box and Ducts Visual Inspection for soot, distortion, and general condition.	5-20	○		JTB
30.	Breather Tube Visual Inspection for obstructions and security and no sagging of tube between clamp and baffle.	5-20	○	50 Hrs.	JTB
31.	Crankcase Visual Inspection for condition, leaks, and loose components.	5-20	○		JTB
32.	Engine Mount Weldment Visual Inspection for weld cracks, corrosion, bending, and distortion.	5-20	○		JTB
33.	Engine Mount Weldment and Lower Mount Attach Fittings Visual Inspection for security. Verify torque.	5-20		1st Annual, 500 Hrs, Engine Install	JTB
34.	Engine Mount Isolators Visual Inspection for cracking, splitting, and general condition.	5-20	○		JTB
35.	Firewall and Seals Visual Inspection for cracks, condition, and security of attachments.	5-20	○		JTB
36.	Alternators Visual Inspection for security and condition.	5-20	○		JTB
37.	Alternator 1 Remove, disassemble, inspect, repair and test in accordance with the manufacturer's approved Instructions For Continued Airworthiness every 500 hours.	Refer to TCM ICA		500 Hrs	JTB down?
38.	Alternator 2 Visual Inspection for security and condition. Perform Inspection/Check - Alternator 2.	24-30	○		JTB
39.	Starter Visual Inspection for security and condition.	5-20	○		JTB
40.	Master Control Unit Perform Inspection/Check - Master Control Unit.	24-30	○		JTB
41.	Ice Protection Firewall Forward - Fluid Line, Bulkhead Fittings, Feeder Tube, Brackets, Clamps, and Proportioning Unit Visual Inspection for chafing, leaks, and security.	5-20	○		JTB
42.	Engine Compartment Visual Inspection for loose nuts, bolts, screws, and parts.	5-20	○	50 Hrs	JTB

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Engine Group (Continued)		Chap-Sect Reference	Interval		Initials
			100	Special	
43.	Air Conditioning Compressor Perform Inspection/Check - Compressor.	21-50	○		<i>N/A</i>
44.	Air Conditioning Compressor Perform Adjustment/Test - Compressor Drive Belt Tensioning.	21-50	○		<i>N/A</i>

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Propeller Group		Chap-Sect Reference	Interval		Initials
			100	Special	
1.	Spinner Remove, clean and perform Visual Inspection for cracks and corrosion.	5-20	○		JTB
2.	Blades Visual Inspection for nicks, bends, cracks, gouges, erosion, and condition of tips.	5-20	○		JTB
3.	Blades Inspect blades for radial play or movement of blade tip.	61-10	○		JTB
4.	Blades Inspect blade tracking.	61-10	○		JTB
5.	Propeller Assembly - Serials 0002 & subs w/ Hartzell Propeller Lubricate in accordance with the manufacturer's approved instructions For Continued Airworthiness.		○	12 Months	JTB
6.	Hub Visual Inspection for cracks, corrosion, leaking oil or grease.	6-20	○		JTB
7.	Slinger Ring Assembly Perform Operational Check - Slinger Ring Assembly.	30-60	○		JTB
8.	Anti-Ice Propeller Boot Visual Inspection for condition and security.	5-20	○		JTB
9.	Blade Feed Tube Perform Inspection/Check - Blade Feed Tube Orientation.	30-60	○		JTB
10.	Slinger Ring Feed Tube Perform Inspection/Check - Slinger Ring Feed Tube Orientation.	90-60	○		JTB

Cabin Group		Chap-Sect Reference	Interval		Initials
			100	Special	
1.	Cabin Access Panels: All Cabin Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled.	06-00	○		JTB
2.	Cabin Windows and Windshield Clean and Visual Inspection for cracking, crazing, and general condition.	5-20	○		JTB
3.	Knobs, Switches, and Levers Visual Inspection for security, attachment and operation.	5-20	○		JTB
4.	Cabin Heater Controls Check operation for freedom of movement.	5-20	○		JTB
5.	Placards and Instrument Markings Visual Inspection for conformity, security, and condition.	11-20	○		JTB

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Cabin Group (Continued)		Chap-Sect Reference	Interval 100 Special		Initials
6.	Fire Extinguisher Perform Inspection/Check - Fire Extinguisher	26-20	○	Monthly	JAK
7.	Cabin Access: Remove Glareshield. Remove MFD. Remove Cabin Seats. Remove Cabin Carpet. Remove Kickplates. Remove Center Bolster Trim. Remove RH Mid-Console Trim. Remove 222 Bulkhead Interior Trim	25-10 31-60 25-10 25-10 25-10 25-10 25-10 25-10	○		JAK
8.	Upholstery Visual Inspection for security.	5-20	○		JAK
9.	Crew Seats Perform Inspection/Check - Crew Seats.	25-10	○		JAK
10.	Crew Seat Harness Perform Inspection/Check - Crew Seat Harness.	25-10	○		JAK
11.	Rear Seat Harness Perform Inspection/Check - Passenger Seat Harness.	25-10	○		JAK
12.	Seat Belt Inertia Reels Visual Inspection for security of brackets and bolts.	5-20		Annual	JAK
13.	Seat Rails and Slides Visual Inspection for condition and lubricate.	12-20	○		JAK
14.	Instrument Panel Visual Inspection for security of lines and wiring.	5-20	○		JAK
15.	Avionics Visual Inspection of components, wiring, and for security.	5-20	○		AP
16.	Outside Air Temperature Gage/Clock Battery Replace.	34-10		24 Months	N/A
17.	Control Yokes Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in elevator or aileron input.	5-20	○		AP
18.	Rudder Pedals Visual Inspection for excessive play, security, and proper operation. Verify no noticeable freeplay in rudder or aileron input.	5-20	○		AP
19.	Rudder Pedal Torque Tube Bracket Perform Inspection/Check - Torque Tube Gap Tolerance.	27-20	○		AP
20.	Brake Master Cylinders Visual Inspection for leaks and security.	5-20	○		AP
21.	Flexible Brake Lines Visual Inspection for leaks, security, and condition.	5-20	○		AP

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Cabin Group (Continued)		Chap-Sect Reference	Interval 100 Special		Initials
22.	Parking Brake Valve and Control Cable Linkage Visual Inspection for leaks, security, chafing, and condition.	5-20	○		AP
23.	Cabin Air Control Assembly Perform Inspection/Check - Cabin Air Control Assembly.	21-60		500 Hrs or 5 Years	SKD
24.	Control Quadrant Service in accordance with AMM.	76-10		Annual	AP
25.	Fuel Selector Visual Inspection for operation.	5-20	○		AP
26.	Fuel Lines, Valves, and Gages Visual Inspection for chafing, obstruction, security, and general condition.	5-20	○		AP
27.	Cabin Doors and Strike Plates Visual Inspection for damage, operation, and security.	5-20	○		AP
28.	Door Latches Check operation of door latch mechanism.	5-20	○		AP
29.	Door Latches and Hinges Lubricate.	12-20	○		SKD
30.	Fresh Air Outlets and Heat Outlets Visual Inspection for condition and obstruction or blockage.	5-20	○		AP
31.	Air Ducts, Electrical Leads, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	○		AP
32.	Pitot-Static System Floor and Center Console Water Traps Visual Inspection for contamination, obstruction or blockage.	6-20	○		AP
33.	Stall Warning Water Trap Visual Inspection for contamination, obstruction or blockage.	5-20	○		AP
34.	Circuit Breakers Perform Functional Check - Redundant Circuit Breakers.	24-50	○		
35.	Transient Voltage Suppressors - <i>Serials 0002 thru 3025, 3026 & subs w/o Perspective Avionics</i> Perform Inspection/Check - Transient Voltage Suppressor.	24-50		Annual	N/A
	Transient Voltage Suppressors - <i>Serials 3026 & subs w/ Perspective Avionics</i> Perform Inspection/Check - Transient Voltage Suppressor.	24-50		Annual	
36.	Electrical Bonding and Shielding - <i>Serials 3026 & subs w/ Perspective Avionics</i> Perform Inspection/Check - Electrical Bonding and Shielding.	51-80		1000 Hrs	N/A
37.	Wing Attachment Bolts Visual Inspection for condition, fit, and evidence of distress.	5-20	○		AP

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	Cabin Group	Chap-Sect Reference	Interval 100 Special	Initials
39.	Rudder-Aileron Interconnect Bungee Cord - <i>Serials 0002 thru 2437</i> Visual Inspection for cord fraying, narrowing, and general condition.	5-20	○	JEB

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	Cabin Group	Chap-Sect Reference	Interval 100 Special		Initials
48.	Ice Protection In-Line Strainer - <i>Serials 2438 & subs</i> Perform Servicing - In-Line Strainer every 2 years or 1200 hours whichever occurs first.	30-05	○		NA SHD

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Cabin Group (Continued)		Chap-Sect Reference	Interval 100	Special	Initials
38.	Cable Attachments, Cables, and Pulleys Visual Inspection for security, chafing, wear, and general condition.	5-20	○		AP
39.	GSA 80 Roll and Pitch Servo Actuators - <i>Serials 3026 & subs w/ Perspective Avionics</i> Visual Inspection for condition and security.	5-20		1000 Hrs or Annual	N/A
	Perform Inspection/Check - GSA 80 Servo Actuator.	22-12		1000 Hrs or 3 Years	
40.	GSA 81 Yaw Servo Actuator - <i>Serials 3026 & subs w/ Perspective Avionics</i> Visual Inspection for condition and security.	5-20		1000 Hrs or Annual	N/A
	Perform Inspection/Check - GSA 81 Servo Actuator.	22-12		1000 Hrs or 3 Years	
41.	GSM 85A Roll, Yaw, and Pitch Servo Mounts - <i>Serials 3026 & subs w/ Perspective Avionics</i> Visual Inspection for condition and security.	5-20		1000 Hrs or 2 Years	N/A
	Perform Adjustment/Test - GSM 85A Servo Mount Torque.	22-12			
42.	Flap Actuation Motor and Attach Bracket Visual inspection for condition and security.	5-20	○		AP
43.	Ice Protection Proportioning Units and Plumbing Visual Inspection for chafing, leaks, security, and condition.	5-20	○		AP
44.	Ice Protection Flow Transducer - <i>Serials 3403 & subs w/ FIKI</i> Perform Functional Test - Flow Transducer.	30-05	○		N/A
45.	Ice Protection Low Pressure Switches - <i>Serials 3403 & subs w/ FIKI</i> Perform Functional Test - Low Pressure Switches.	30-05	○		N/A
46.	Ice Protection Anti-Ice Fluid Level Sensor - <i>Serials 3403 & subs w/ FIKI</i> Perform Functional Test - Anti-Ice Fluid Level Sensor.	30-05	○		N/A
47.	Ice Protection Filter Replace every 2 years or 1200 hours whichever occurs first.	30-05	○		AP
48.	Ice Protection In-Line Strainer Replace every 2 years or 1200 hours whichever occurs first.	30-05	○		AP
49.	Ice Protection Fluid Tank, Filter, Metering Pump, Drain Block, and Drain Valve Visual Inspection for security and leaks.	12-10	○		AP
50.	Fuselage Drainage Holes Visual Inspection for obstructions or blockage.	5-20	○		AP
51.	CAPS Parachute Compartment Visual Inspection for security, leaks, and general condition.	5-20	○		AP

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Cabin Group (Continued)		Chap-Sect Reference	Interval 100 Special		Initials
52.	CAPS Activation Handle Mount and Cable Visual Inspection security, chafing, and wear.	5-20	○		AP
53.	Magnetometer - <i>Serials 0435 thru 0620 w/ PFD, 0621 thru 3025, 3026 & subs w/o Perspective Avionics</i> Perform Functional Test - Magnetometer Calibration.	34-20		24 Months	NA
	Magnetometer - <i>Serials 3026 & subs w/ Perspective Avionics</i> Perform Adjustment/Test - GMU 44 Magnetometer Calibration	34-20		24 Months	
54.	Emergency Locator Transmitter Functional Inspection in accordance with 14 CFR 91.207.	14 CFR 91.207	○		SEB Doc
55.	Altimeter Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.411. Perform Adjustment/Test - Altimeter.	14 CFR 91.411		24 Months	Doc
		34-10			
56.	Transponder Visual and Functional Inspection for condition and calibration in accordance with 14 CFR 91.413.	14 CFR 91.413		24 Months	Doc
57.	GRS 77 AHRS - <i>Serials 3026 & subs w/ Perspective Avionics</i> Perform Adjustment/Test - GRS 77 AHRS Earth Magnetic Field Update.	34-20		5 Years	NA
58.	Air Conditioning Evaporator Perform Inspection/Check - Evaporator.	21-50	○		NA
59.	Air Conditioning Condenser Perform Inspection/Check - Condenser.	21-50	○		NA
60.	Air Conditioning Lines and Hoses Visual Inspection for leaks, security, and condition.	5-20	○		NA
61.	Perform Operational Test - Air Conditioning System.	21-50	○		NA
62.	Aircraft Data Logger System - <i>Serials 2710, 2750 & subs</i> Perform Operational Test - Aircraft Data Logger System.	31-30		Annual	NA

Radio Group		Chap-Sect Reference	Interval 100 Special		Initials
1.	Radio and Electronic Equipment Visual Inspection for proper installation, clearance, and security.	5-20	○		AP
2.	Wiring Visual Inspection for proper clearance, chafing, fraying, and routing.	5-20	○		AP
3.	Bonding and Shielding Visual Inspection for proper installation and condition.	5-20	○		AP
4.	Antennas Visual Inspection for condition and security.	5-20	○		AP

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Fuselage and Empennage Group		Chap-Sect Reference	Interval		Initials
			100	Special	
1.	Empennage Access Panels Remove Empennage Access Panels LE1, LE2, RE1, RE2, RE3.	06-00	○		AP
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	○		AP
3.	CAPS Exit Cover Visual Inspection of perimeter for cracking or crazing, and placard condition.	5-20	○		AP
4.	Vertical Stabilizer and Rudder Surfaces Visual Inspection for distortion, and condition.	5-20	○		AP
5.	Rudder System Perform Inspection/Check - Rudder System Rigging.	27-20	○		AP
6.	Rudder Bearings, Hinges, Horn, and Attachments Visual Inspection for security, condition, and freedom of movement.	5-20	○		AP
7.	Horizontal Stabilizer and Elevator Surfaces Visual Inspection for distortion, and condition.	5-20	○		AP
8.	Horizontal Stabilizer Access Panels and Inspection Hole Covers Visual Inspection for condition and security.	6-00 55-10			AP
9.	Elevator System Perform Inspection/Check - Elevator System Rigging.	27-30	○		AP
10.	Elevator Pitch Trim Cartridge <u>Serials 0002 thru 0754</u> Perform Servicing - Pitch Trim Cartridge Lubrication.	27-30	○		NA
11.	Elevator Bearings, Hinges, Horn, and Attachments Visual Inspection for wear, condition, and freedom of movement.	5-20	○		AP

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Wing Group		Chap-Sect Reference	Interval		Initials
			100	Special	
1.	Wing Access Panels The following Wing Access Panels are removed during the cabin group inspection. It is recommended that the panels be removed one at a time, the access area cleaned, inspected, and if no discrepancies are found, the panel reinstalled. <ul style="list-style-type: none"> • <i>Serials 0002 thru 2333, 2335 thru 2419, 2421 thru 2437:</i> LW1, LW2, LW4, LW5, LW6, LW7, LW8, LW9, LW12, LW13, LW14, LW15, LW16, and RW1, RW2, RW4, RW5, RW6, RW7, RW8, RW9, RW12, RW13, RW14, RW16. • <i>Serials 2334, 2420, 2438 & subs:</i> LW1, LW2, LW4, LW5, LW9, LW10, LW11, LW12, LW13, and RW1, RW2, RW4, RW5, RW9, RW10, RW12, RW13. 	06-00	○		JTB
2.	Skin Visual Inspection for general condition, deterioration, delamination, distortion, cracks, paint condition, and other evidence of failure.	5-20	○		JTB
3.	Walkway Visual Inspection for condition.	5-20	○		JTB
4.	Wing Leading Edge and Stall Strips Visual inspection for foreign matter and debris.	5-20	○		JTB
5.	Stall Warning Lift Transducer - Serials 3403 & subs w/ FIKI Perform Functional Test - Stall Warning Lift Transducer.	27-31	○		N/A
6.	Enhanced Vision System - Serials 3026 & subs w/ Perspective Avionics Visual Inspection for general condition, cleanliness, and security.	5-20	○		N/A
7.	Aileron Surfaces Visual Inspection for distortion, and condition.	5-20	○		JTB
8.	Aileron Actuation Arm Visual Inspection for safetying, and condition.	5-20	○		JTB
9.	Wing Tips Remove. Clean and perform Visual Inspection for cracking, rubbing, and general condition.	57-20	○		JTB
10.	Main Landing Gear Fairings Remove. Clean and perform Visual Inspection on fairings and anti-chafe spacers for cracking, rubbing, and general condition.	32-10	○		JTB
11.	Aileron Hinges, Hinge Bolts, Bearings, and Attachments Visual Inspection for security, freeplay, and binding.	5-20	○		JTB
12.	Aileron System Rigging Perform Inspection/Check - Aileron System Rigging.	27-10	○		AL
13.	Roll Trim Access Remove LH Aileron. Remove Aileron Cove Access Panel.	57-50 06-00	○		JTB

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 All

Wing Group (Continued)		Chap-Sect Reference	Interval		Initials
			100	Special	
14.	Roll Trim Cartridge Visual Inspection for positive clearance between trim cartridge and actuation pulley under full range of trim motor positions. Visual Inspection for minimum rod end thread engagement of 0.313 inch (0.79 cm). Visual Inspection for proper installation of safety wires and cotter pins on all fasteners.	27-10	○		JTB
15.	Flap Hinges, Hinge Bolts, Bearings, Rub Strips, and Attachments Visual Inspection for wear, security, freeplay, binding, and corrosion.	5-20	○		JTB
16.	Flap System Perform Inspection/Check - Flap System Rigging.	27-50	○		AP
17.	Pitot Mast and Static Lines Visual Inspection for security, condition, and obstruction.	5-20	○		JTB
18.	Fuel Lines Visual Inspection for chafing, obstruction, security, and general condition.	5-20	○		JTB
19.	Fuel Tank Vents Visual Inspection for condition and obstruction.	5-20	○		JTB
20.	Fuel Cap Perform Functional Test - Fuel Cap Assembly.	28-10	○		JTB
21.	Air Ducts, Electrical Leads, Lines, and Attaching Parts Visual Inspection for security, routing, chafing, deterioration, wear, and correct installation.	5-20	○		JTB
22.	Aft Wing Attach Bracket Visual Inspection for corrosion. If corrosion evident, contact Cirrus Design for disposition. Reference 57-40 for access instructions.	5-20	○		JTB

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SCHEDULED MAINTENANCE CHECKS

Landing Gear Group		Chap-Sect Reference	Interval		Initials
			100	Special	
6.	Brake Assembly Perform Inspection/Check - Brake Assembly Serials 0002 thru 3450 before SB 2X-05-01: Replace O-rings upon reassembly.	32-42	○		JAD

c/w SB 2X-05-01

*SB 2X-05-01
c/w*

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Landing Gear Group		Chap-Sect Reference	Interval		Initials
			100	Special	
1.	Nose Landing Gear Fairing Remove. Clean and perform Visual Inspection for cracking, rubbing, and general condition.	32-20	<input type="radio"/>		JTB
2.	Tires Visual Inspection for cuts, uneven or excessive wear, and slippage.	5-20	<input type="radio"/>		JTB
3.	Tires Inspect for proper tire pressure.	12-10	<input type="radio"/>		JTB
4.	Brake Disk Visual Inspection for corrosion, security, and general condition.	5-20	<input type="radio"/>		JTB
5.	Brake Linings Perform Inspection/Check - Brake Linings.	32-42	<input type="radio"/>	50 Hrs	JTB
6.	Brake Assembly Perform Inspection/Check - Brake Assembly. Replace O-rings upon reassembly.	32-42	<input type="radio"/>		JTB
7.	Brake Fluid Reservoir Replenish.	12-10	<input type="radio"/>	50 Hrs	JTB
8.	Brake Lines and Hoses Visual Inspection for leaks, chafing, security, and condition.	5-20	<input type="radio"/>		JTB
9.	Wheels Remove, Visual Inspection for condition, <u>repack bearings</u> .	32-41		Annual	JTB
10.	Wheels Visual Inspection for cracks, corrosion, and broken bolts.	32-41		Annual	JTB
11.	Polymer Shock Absorbing Pucks, Puck Tray, and Attach Bolts Visual Inspection of pucks for cracking or <u>splitting</u> . Ensure attach bolts are perpendicular to puck tray and puck stack-up is in alignment.	5-20	<input type="radio"/>		JTB Bottom slight. O-ring service
12.	Nose Gear Assembly Perform Inspection/Check - Nose Gear Assembly.	32-20	<input type="radio"/>		JTB
13.	Main Gear Assembly - <i>Serials 0002 thru 2437</i> Perform Inspection/Check - Main Gear Assembly.	32-10	<input type="radio"/>		JTB
	Main Gear Assembly - <i>Serials 2438 & subs</i> Perform Inspection/Check - Main Gear Assembly. Perform Inspection/Check - Main Gear Gap Measurement.	32-10 32-10	<input type="radio"/>	Annual	

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Return to Service		Chap-Sect Reference	Interval 100 Special		Initials
1.	Close Access: Install Main Landing Gear Fairings. Install Nose Landing Gear Fairing. Install Cabin Access Panels. Install Cabin Carpet. Install RH Mid-Console Trim. Install Center Bolster Trim. Install Kickplates. Install Cabin Seats. Install Glareshield. Install MFD. Install 222 Bulkhead Interior Trim. Install Empennage Access Panels. Install Wing Access Panels Install LH Aileron. Install Aileron Cove Access Panel Install Wing Tips.	32-10 32-20 06-00 25-10 25-10 25-10 25-10 25-10 25-10 25-10 25-10 06-00 06-00 57-50 06-00 57-20	○		
2.	Verify all Airworthiness Directives complied with.	14 CFR 91.403	○		<i>SD</i>
3.	Fuel Injection System Functional Inspection of Fuel Injection System in accordance with the manufacturer's approved Instructions For Continued Airworthiness after engine installation, every 100 hours, at annual, or fuel system component replacement.	Refer to TCM ICA	○	Engine Install. Annual, Fuel Sys Cmpnt Rplcmnt	
4.	Perform an airplane run-up in accordance with Operational/Functional Check in 5-30. After completing the Operational Check, perform a walk around to detect fluid leaks or other abnormalities.	05-30	○		
5.	Install Engine Cowling.	71-10	○	50 Hrs	
6.	Verify airplane papers in proper order: - Airworthiness Certificate - Registration - Operating Handbook - Weight and Balance	14 CFR 91.203	○		

Signature of Mechanic or Inspector _____
 Not required per 14 CFR § 43.11.

Certificate Number _____

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 All

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