

INSPECTION PHASE 5

Date: _____
 Registration Number: N 8045T
 Serial Number: 501-0146
 Total Time: 7424.8

1. Description

- A. Phase 5 consists of items to be inspected every 1200-hours or 36 calendar months, whichever occurs first.
- B. Inspection items are given in the sequence of the zone in which the inspection is completed. A description of the inspection, as well as the Item Code Number are supplied for cross-reference to section 5-10-01. Frequently, tasks give more information about each inspection. These tasks are found in the individual chapters of this manual.
- C. Item Codes A216001 and A216002 were deleted from this Inspection Phase in revision 36.
- D. The right portion of each page gives space for the mechanic's and inspector's initials and remarks. You can use copies of these pages as a checklist while you complete the tasks in this Inspection Phase.

2. General Inspection Criteria

- A. As you complete each of the inspection tasks in this Inspection Phase, examine the adjacent area while access is available to find conditions that need more maintenance.
- B. If it is necessary to replace a component or to make a change to a system while you complete a task, do the task again before the system or component is returned to service.
- C. (Phase) Inspection Kits are available for some Inspection Phase Documents. They supply consumable materials used to complete the inspection item(s) given for the interval. Refer to the Model 500 Illustrated Parts Catalog, Introduction, Phase Inspection Kit List to find applicable part numbers.

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
A113001	Government Required Interior and Exterior Placards and Decals - Inspect. Task 11-00-00-210	All	[REDACTED]	[REDACTED]	
B210000	Environmental System - Perform operational check. Task 21-00-00-710	ENG	[REDACTED]	[REDACTED]	
B211002	Flow Control Shutoff and Check Valves - Perform operational check (Parker Hannifin/Janitrol Check valves that have a serial number suffix B or that have a serial number higher than 4AD39) and Dukes valves. Task 21-10-00-711	ENG	[REDACTED]	[REDACTED]	
B212001	Tailcone Bleed Air Lines - Perform Leak Check. Task 21-10-00-211	311, 312	[REDACTED]	[REDACTED]	

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
B212002	Instrument Panel Cooling Fan - Perform operational check. Task 21-22-00-710	231, 232			
B212003	Avionics Bay Cooling Fans - Perform operational check. Task 21-23-00-710	AUX			
B213000	Pressurization - Perform operational check. Task 21-31-00-710	ENG			
D213001	Pressurization Controller - Clean or replace filter. Task 21-31-00-160	244			
B213001	Barometric Cabin Altitude Pressure Switch - Perform functional test. Task 21-31-05-720	245			
B213003	Pressurization Operational Check (Airplanes -0001 thru -0213 not Incorporating SB500-21-09) Task 21-31-00-711	ENG			N/A
D213003	Pneumatic Relay Cartridge Filter- Replace. Task 21-31-00-901	161			
D213004	Disable Solenoid Valve Breather Plug - Clean or replace. Task 21-31-00-161	161			
A221001	Aileron Servo Actuator and Mount - Inspect. Task 22-12-01-210	261			
B221002	Sperry Autopilot Disengagement and Warning - Perform test. Task 22-11-03-710	AUX			
B221003	Bendix Autopilot Disengagement and Warning - Perform test. Task 22-11-03-711	AUX			N/A
A222001	Rudder Servo Actuator and Mount - Inspect. Task 22-12-01-212	321			
A223001	Elevator Servo Actuator and Mount - Inspect. Task 22-12-01-211	321			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
A231001	High Frequency Antenna and Tension Unit - Inspect. Task 23-00-05-210	312, 340			N/A
B236001	Static Discharge Wicks - Inspect. Task 23-60-00-760	161, 331, 332, 532, 540, 632, 640			
A236002	Control Surface Bond Jumpers - Inspect. Task 20-21-02-280	331, 332, 340, 512, 522, 532, 612, 622, 632			
A237001	Cockpit Voice Recorder - Inspect. Task 23-70-00-210	312			N/A
A242001	Nose Area General Electrical Components - Inspect. Task 24-00-00-210	110, 121, 122, 131, 132, 211, 212, 221, 222			
A245001	Circuit Breaker Panels - Inspect. Task 24-50-00-212	245, 246			
A245002	Cockpit Side Console - Inspect. Task 24-50-00-210	245, 246			
A245003	Avionics Relay Junction Box - Inspect. Task 34-02-00-210	221			
A245004	Aft Power Junction Box - Inspect. Task 24-50-00-211	311, 312			
A245005	Left and Right Wing Anti-Ice Junction Box - Inspect. Task 30-10-01-210	311, 312			
A251001	Pilot and Copilot Crew Seats - Inspect. Task 25-11-01-210	241, 242			
A251002	Pilot and Copilot Seat Track Stops - Inspect. Task 25-11-01-211	241, 242			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
A251004	Cockpit Instrument Panels and Components - Inspect. Task 25-10-00-210	231, 232, 233, 234, 235, 236, 237			
A252001	Passenger Seats - Inspect. Task 25-20-00-210	251, 252, 261, 262			
A252002	Passenger Seat Track Stops - Inspect. Task 25-20-00-211	251, 252, 261, 262			
B262005	Fire Extinguishing System - Perform functional test. Task 26-20-00-720	AUX			
B271002	Aileron and Aileron Trim Tab - Check Travel. Task 27-10-00-221	532, 632			
A271006	Aileron Control Cables - Inspect. Task 27-10-00-222	141, 142, 151, 152, 161, 162, 247, 248, 512, 522, 532, 612, 622, 632			
A271007	Aileron Trim Cables - Inspect. Task 27-10-00-223	141, 151, 161, 512, 522, 532			
B272001	Rudder Trim Tab - Check free play. Task 27-20-00-220	340			
A272003	Rudder Pedals - Inspect. Task 27-20-00-212	241, 242			
B272004	Rudder and Rudder Trim Tab - Check travel. Task 27-20-00-221	241, 242			
A272005	Rudder Cables - Inspect. Task 27-20-00-222	141, 151, 161, 241, 311, 321, 322			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
A272006	Rudder Trim Cables - Inspect. Task 27-20-00-223	141, 151, 161, 321, 331, 332			
B273003	Elevator and Elevator Trim Tab - Check travel. Task 27-30-00-221	331, 332			
B273004	Elevator Trim Tab - Check free play. Task 27-30-00-220	332			
A273005	Control Column - Inspect. Task 27-30-00-212	141, 142, 241, 242			
A273006	Elevator Linkage - Inspect. Task 27-30-00-211	340			
A273007	Electric Elevator Trim Actuator and Sector - Inspect. Task 27-30-00-213	311			
A273008	Elevator Cables - Inspect. Task 27-30-00-222	141, 142, 151, 161, 311, 321			
A273009	Elevator Trim Cables - Inspect. Task 27-30-00-223	141, 151, 161, 243, 311, 321, 331, 332			
A275001	Flap Drive Assembly - Inspect. Task 27-50-00-210	161, 162			
B275002	Flap Up Limit Switch - Perform operational check. Task 27-50-00-711	AUX			
A275003	Flap Preselect Cable - Inspect. Task 27-50-00-220	142, 151, 152, 161, 162, 243			
B275004	Flap Approach Warning Switch - Perform operational check. Task 27-50-00-712	AUX			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
B275005	Flap/Autopilot Position Switch (Airplanes -0275 and On) - Perform operational test. Task 27-50-00-713	AUX			
B275006	Flaps - Check travel. Task 27-50-00-714	512, 522, 612, 622			
C275007	Center Flap Track Bearing - Airplanes -0001 thru -0684 except airplanes incorporating SB500-27-11 - Clean and lubricate. Task 27-50-00-640	512, 612			
A275008	Flap Cables - Inspect. Task 27-50-00-212	161, 162, 512, 612, 522, 622			
A276001	Speed Brake System - Inspect. Task 27-60-00-210	512, 522			
B277001	Control Lock System - Inspect. Task 27-70-00-210	151, 241, 234			
A281001	Wing Fuel Storage Area - Inspect. Task 28-10-00-210	511, 512, 521, 522, 531, 532, 611, 612, 621, 622, 631, 632			
D282002	Fuel Filter Elements - Change. Task 28-20-00-900	512, 612			
A282002	Wing Dry Bay Fuel System Components - Inspect. Task 28-20-00-211	512, 612			
B282003	Fuel Systems - Perform operational checks. Task 28-20-00-710	512, 612, 410, 420			
B284001	Low Fuel Warning System - Perform operational check. Task 28-41-00-710	AUX			
D291001	Hydraulic Filters and Filter Elements - Inspect filters and replace filter elements. Task 29-10-04-901	311, 312			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
B301001	Engine and Wing Leading Edge Anti-Ice Systems - Perform operational test. Task 30-10-01-710	ENG			
A301002	Wing Heated Leading Edge and Wiring - Inspect. Task 30-10-01-211	511, 512, 611, 612			
A304001	Windshield Bleed Air Augmentor Door and Shroud - Inspect. Task 30-42-00-210	221, 222			
B304001	Windshield Anti-Ice - Perform operational check. Task 30-42-00-710	ENG			
A304003	Windshield Bleed Air Controls - Inspect. Task 30-42-00-211	211, 212, 236			
A304004	Windshield Alcohol Reservoir and Vent Line - Inspect. Task 30-43-00-210	221, 222			
D304004	Windshield Alcohol Pump Filter - Inspect and clean. Task 30-43-00-130	222			
A313001	Flight Data Recorder - Inspect. Task 31-31-05-210	312			N/A
B3 [REDACTED]	Nose Gear Cylinder Bearing - Check deflection. Task 32-20-00-220	710			
A323003	Emergency Gear Extension System Cable - Inspect. Task 32-30-05-212	141, 151, 161, 162, 221, 222, 512, 612			
A324005	Emergency Brake Control Valve - Inspect. Task 32-40-03-210	241			
B324008	Skid Warning Functional Check (Optional with Non-powered Brake) - Perform. Task 32-41-03-710	720, 730			N/A
B324009	Emergency Brake System - Perform operational test. Task 32-40-03-710	AUX			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
D324010	Aviation Brake Systems Limited Antiskid System Motor/Pump Filter - Replace filter element. Task 32-42-01-901	131			NA
A324010	Aviation Brake Systems Limited Brake Reservoir and Antiskid Components - Inspect. Task 32-42-01-210	131, 222			N/A
B324011	Aviation Brake Systems Limited Antiskid Brake System - Perform operational check. Task 32-42-01-710	ENG			N/A
D324012	Aviation Brake Systems Limited Brake Reservoir Air Filter - Replace filter element. Task 32-42-01-902	222			N/A
D324013	Aviation Brake Systems Limited Brake Reservoir Supply Line Filter - Clean or replace. Task 32-42-01-160	222			N/A
A324014	Brake Reservoir and Antiskid Components (Airplanes - 0425 and On and Airplanes Incorporating SB500-32-28) - Inspect. Task 32-44-00-210	131, 222			N/A
D324014	Antiskid System Motor/Pump Filter (Airplanes -0425 and On and Airplanes Incorporating SB500-32-28) - Replace filter element. Task 32-44-00-901	131			N/A
B324015	Antiskid Brake System (Airplanes -0425 and On and Airplanes Incorporating SB500-32-28) - Perform operational check. Task 32-44-00-710	ENG			N/A
D324016	Brake Reservoir Air Filter (Airplanes -0425 and On and Airplanes Incorporating SB500-32-28) - Replace filter element. Task 32-44-00-902	222			NA
D324017	Brake Reservoir Supply Line Filter (Airplanes -0425 and On and Airplanes Incorporating SB500-32-28) - Clean or replace. Task 32-44-00-160	222			NA
A325001	Nose Steering Arm Support Bracket, Bungee and Bellcrank - Inspect. Task 32-50-00-210	710			
B325001	Nose Wheel Spin-Up System - Perform functional test. Task 32-45-01-710	AUX			N/A

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
A325002	Nose Steering System Cables - Inspect. Task 32-50-00-211	131, 231, 710			
A335001	Emergency Lights Battery Box and Batteries - Inspect. Task 33-50-00-210	241			
B341002	Angle-of-Attack System - Perform operational test. Task 34-11-00-710	AUX			
A342001	Magnetic Compass and Compass Card - Inspect. Task 34-20-01-210	249			
B342001	Compass Systems and ADF Bearing - Perform operational check. Task 34-23-01-710	ENG, 331, 332			
A351001	Oxygen System - Inspect. Task 35-00-00-210	212, 321			
B351002	Oxygen System - Perform functional test. Task 35-00-00-720	AUX			
B351003	Crew Oxygen Mask Inspection, Flow Check and Microphone Operational Check - Perform. Task 35-10-03-710	241, 242			
D361003	Instrument Air Water Separator Filter Element - Replace. Task 36-10-05-901	222			NA
D361005	Service Air Peri-Seal Replacement Task 36-10-00-960	311, 312			
D371001	Vacuum Regulator (Pressure Line) - Clean or replace in-line filter screen. Task 37-00-00-901	311			
B383001	Refreshment Center Drain Line - Perform operational check. Task 38-30-00-710	151, 162			
C521002	Cabin Door Hinge - Lubricate. Task 52-10-00-640	810			
A521003	Cabin Door - Inspect. Task 52-10-02-212	810			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
A522001	Emergency Exit Door - Inspect. Task 52-20-00-210	820			
A523001	Nose Baggage Door and Latches - Inspect. Task 52-30-00-210	211, 212			
A523002	Tailcone Doors - Inspect. Task 52-30-00-211	311, 312			
A531001	Nose Area General Structure - Inspect. Task 53-00-00-210	110, 121, 122, 131, 132, 211, 212, 221, 222			
A531002	Underfloor - Inspect. Task 53-20-03-210	141, 142, 151, 152, 161, 162, 241, 242, 251, 252, 261, 262			
A531003	Tailcone - Inspect. Task 53-20-04-210	311, 312, 321, 322			
A531004	Front and Rear Spar Carry-Thru - Inspect. Task 53-20-00-210	161, 162			
A531006	Emergency Exit Door Frame - Inspect. Task 53-20-00-212	252, (820)			
A531019	Wing Attach Bolt and Lug - Inspect. Task 53-30-00-210	511, 611			
A532001	Control Pedestal Area - Inspect. Task 53-20-00-218	243			
A532002	Nose Gear Wheel Well - Inspect. Task 53-30-00-211	710			

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
A533001	Fuselage Exterior Skin - Inspect. Task 53-30-00-212	141, 142, 151, 152, 161, 162, 231, 232, 241, 242, 251, 252, 261, 262, 340			
A535001	Nose Cap (Radome) - Inspect. Task 53-50-01-210	110			
A535002	Stinger - Inspect. Task 53-50-02-210	321, 322			
A536001	Drag Chute Canister and Latch Assembly - Inspect. Task 53-60-00-212	311			N/A
A536002	Drag Chute Handle Assembly - Inspect. Task 53-60-00-210	241			N/A
A541001	Engine Nacelle, Pylon, and Firewall - Inspect. Task 54-10-02-210	410, 411, 412, 420			
A553006	Vertical Stabilizer - Internally inspect. Task 55-30-00-211	340			
A555001	Horizontal Stabilizer - Internally inspect. Task 55-10-00-212	331, 332			
A573001	Wings - Inspect. Task 57-00-00-210	511, 512, 521, 522, 531, 532, 540, 611, 612, 621, 622, 631, 632, 640			
B761002	Thrust Reverser Load Limiter Pre-Load - Check. NOTE If AD 93-05-15 or SB500-78-11 have been complied with, this inspection is not required. Task 78-30-00-750	311, 312			NA
A783003	Thrust Reverser Electrical Junction Box - Inspect. Task 78-30-00-211	312			NA

ITEM CODE NUMBER	TASK	ZONE	MECH	IN-SP	RE-MARKS
B801002	Starter Disengage - Perform operational test. Task 80-10-01-710	ENG	[REDACTED]	[REDACTED]	[REDACTED]
*** End of Phase 5 Inspection Items ***					



Sierra Industries Ltd.

Maintenance Transaction Report

Garner Field Municipal Airport

This Maintenance Transaction Report Is To Be Solely For (Check One)

Airframe Eng1. Eng2. APU PROP1 PROP2
 Serial No. Serial No. Serial No. Serial No. Serial No.

Aircraft Identification and Status														
A/C Serial No.	A/C Unit No.	A/C Registration	DATE	City Identifier	A/C Hours	A/C Landings	Total Engine Hours		Total Engine Cycles		APU Hours		PROP Hours	
501-0146		N804ST	Apr 15, 2016	UVA	7424.8	6411	#1 846.8	#2 846.8	#1 539	#2 539		#1	#2	

Component Changes, Inspections, Service Bulletins, or Airworthiness Directives Accomplished													
Item Code	Transaction No. Type	Item Name	Position	Installed Vendor Part Number	Mod Level	Installed Serial Number	Removal Reason	Installed Part Status	TBO (Enter # Change Desired)	Installed Part	Material Costs	Man Hours	
	1	Phase B											
	2	Phase 1											
	3	Phase 2											
	4	Phase 3											
	5	Phase 4											
	6	Phase 5											
	7	Phase 57											
	8												

Type Transaction
 1. Component Change
 2. Inspection Accomplished
 3. Service Bulletin Accomplished
 4. Airworthiness Directive Accomplished

Detail Method Of Compliance
 Under Comments Below

W - Worn To Limits
 S - Scheduled
 U - Unscheduled
 C - Convenience
 N - Other (note below)

Enter One
 Installed Part Status
 N - New
 R - Repaired
 S - Serviceable
 O - Overhauled

Ref No	This Space For Other Maintenance Comments Including, Test Or Calibration Dates, Removed Serial Numbers, Etc.
1-7	Completed phase inspections in accordance with Cessna 500 maintenance manual chapter 5.

Repair Facility: Sierra Industries, Ltd. Certificate Repair Sta. Work Order No.

Work Performed By: Gary Certificate No. Date 4/15/2016 Scheduled Removal Due (TAT)

I certify that the above stated maintenance and/or inspection was performed in accordance with the current regulations of the

Federal Aviation Administration and the aircraft identified above is presently airworthy and approved for return to service

Other (Specify)

Work Inspected By: Alejandro Salinas / Certificate No. Date 4/15/2016

Maintenance Log Page

Permanent Aircraft Record - File In Maintenance Log