

<i>West Star Aviation</i> FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: Cover Sheet Page: 1 Effective Date: 2/01/2021 Revision: 33
--	--------------------------	--

WEST STAR AVIATION

FAA Certificated Repair Station

Air Agency Certificate Number 3WTR399B
5904 Pinehurst Ave.
Chattanooga, TN 37421

Capabilities List Manual

Original Issue Date: August 6, 2010

Revision: 33 Date: February 01, 2021

Manual Approved By: _____
Jeffrey Sneden, Quality Assurance Manager/Accountable
Manager

<i>West Star Aviation</i> <i>FAA Air Agency Certificate Number</i> <i>3WTR399B</i>	Capabilities List	Section: TOC Page: 2 Effective Date: 2/01/2021 Revision: 33
--	--------------------------	--

Table of Contents

TABLE OF CONTENTS 2

RECORD OF REVISIONS 3

LIST OF EFFECTIVE PAGES 5

SECTION 1: MANUAL CONTROL..... 6

SECTION 2: LIMITED RATINGS 8

SECTION 3: SELF EVALUATION FORM19

<i>West Star Aviation</i> <i>FAA Air Agency Certificate Number</i> <i>3WTR399B</i>	Capabilities List	Section: Record of Revisions Page: 3 Effective Date: 2/28/20 Revision: 23
--	--------------------------	--

Record of Revisions

Upon receipt of revisions, remove old pages and insert the revised pages into the manual.

Revision Number	Revision Date	Insert Date	Inserted By
Original	August 6, 2010		
Revision 1	September 17, 2010		
Revision 2	November 2, 2011		
Revision 3	January 30, 2012		
Revision 4	February 28, 2012		
Revision 5	May 21, 2012		
Revision 6	June 7, 2012		
Revision 7	February 17, 2013		
Revision 8	May 14, 2013		
Revision 9	October 23 ,2013		
Revision 10	April 17,2014		
Revision 11	May 19, 2014		
Revision 12	October 17, 2014		
Revision 13	September 4, 2016		
Revision 14	March 1, 2016		
Revision 15	March 25,2016		
Revision 16	May 4, 2016		
Revision 17	July 20, 2016		
Revision 18	August 02, 2016		
Revision 19	December 2, 2016		
Revision 20(Rewrite)	October 30, 2017		
Revision 21	August 13, 2018		
Revision 22	February 26, 2019		

<i>West Star Aviation</i> <i>FAA Air Agency Certificate Number</i> <i>3WTR399B</i>	Capabilities List	Section: Record of Revisions Page: 4 Effective Date: 2/01/21 Revision: 33
--	--------------------------	--

Record of Revisions

Upon receipt of revisions, remove old pages and insert the revised pages into the manual.

Revision Number	Revision Date	Insert Date	Inserted By
Revision 23	February 28, 2020		
Revision 24	April 28, 2020	April 28, 2020	JSS
Revision 25	May 4, 2020	May 4, 2020	JSS
Revision 26	August 24, 2020	August 24, 2020	JSS
Revision 27	August 27, 2020	August 27, 2020	JSS
Revision 28	September 29, 2020	September 29, 2020	JSS
Revision 29	October 21, 2020	October 21, 2020	JSS
Revision 30	November 16, 2020	November 16, 2020	JSS
Revision 31	December 8, 2020	December 8, 2020	JSS
Revision 32	January 8, 2021	January 8, 2021	JSS
Revision 33	February 01, 2021	February 01, 2021	JES

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: LOEP Page: 5 Effective Date: 2/01/21 Revision: 33
--	--------------------------	---

List of Effective Pages

SUBJECT	PAGE	REVISION #	REVISION DATE
Cover Page	1	33	February 01, 2021
Table of Contents	2	33	February 01, 2021
Record of Revisions	3	23	February 28, 2020
Record of Revisions	4	33	February 01, 2021
List of Effective Pages	5	33	February 01, 2021
Section 1: Manual Control	6	26	August 24, 2020
Section 1: Manual Control	7	23	February 28, 2020
Section 2: Limited Ratings- Airframe	8	32	January 8, 2021
Section 2: Limited Ratings- Airframe	9	26	August 24, 2020
Section 2: Limited Ratings- Powerplant	10	32	January 8, 2021
Section 2: Limited Ratings- Powerplant	11	31	December 8, 2020
Section 2: Limited Ratings- Instrument & Radio	12	23	February 28, 2020
Section 2: Limited Ratings- Instrument & Radio	13	23	February 28, 2020
Section 2: Limited Ratings- Interior Refurbishment	14	23	February 28, 2020
Section 2: Limited Ratings- Interior Refurbishment	15	23	February 28, 2020
Section 2: Limited Ratings- Landing Gear Components, Accessories	16	33	February 01, 2021
Section 2: Limited Ratings- Accessories	17	33	February 01, 2021
Section 2: Limited Ratings- Accessories	18	32	January 8, 2021
Section 3: Self Evaluation Form	19	33	February 01, 2021

<i>West Star Aviation</i> <i>FAA Air Agency Certificate Number</i> <i>3WTR399B</i>	Capabilities List	Section: 1 Page: 6 Effective Date: 8/24/20 Revision: 26
--	--------------------------	--

Section 1: Manual Control

A. Procedures for revising West Star Aviation Capability list.

1. The Accountable Manager will be responsible for making and submitting revisions.
2. The Capability List will be kept in electronic format accessible on West Star Aviation (WSA) computer network. An up-to-date electronic version will also be available on West Star Aviation's Shared Network File computer system, which is available for employee use and reference. The revised list and any other necessary technical data will be submitted via email within 5 business days of revising to West Star Aviation's Principal Inspector at the Nashville Flight Standards District Office.
3. Revised material will be indicated by revision bars on the side margins. All revisions will be dated using the revision approval date by the Accountable Manager. The table of contents and list of effected pages will also be updated to reflect the revision.
4. The cover page of the manual will be approved and signed by the Accountable Manager.
5. The Nashville Flight Standards District Office will receive a copy of the Capabilities List showing revision(s) in an electronic format, and will be sent to the assigned Principal Inspector (PI) for the acceptance.

B. Procedures for self-evaluation and reporting the results of the self-evaluations for the capability list 145.215(c)

1. Self-evaluation will be performed when another aircraft, engine, or article needs to be added or removed.
2. An example of the Self Evaluation Form WSA-F100 can be found in section 3 of this manual.
3. The Accountable Manager will perform the self-evaluations and must have the following qualifications:
 - a. Experience with performing evaluations.
 - b. An understanding of the requirements of Part 145.
 - c. Knowledge of the maintenance requirements for the particular make/model of article to be added to the list.
4. Each article in the list must have a self-evaluation form WSA-F100 completed by the Accountable Manager.
5. This form must be completely filled out, signed and available for review to the Nashville Flight Standards District Office.
6. The self evaluation forms WSA-F100 will be kept in an electronic version available on West Star Aviation's Shared Network File computer system.

<i>West Star Aviation</i> <i>FAA Air Agency Certificate Number</i> <i>3WTR399B</i>	Capabilities List	Section: 1 Page: 7 Effective Date: 2/28/20 Revision: 23
--	--------------------------	--

Section 1: Manual Control (Continued)

- C. Procedures for reporting deficiencies found.
 - 1. WSA-F026 Nonconformance write-up and corrective action form will be filled out to report any deficiencies found during the self-evaluation. This form will be used to report to the Accountable Manager for review and resolution.
 - 2. The nonconformance forms will be kept in an electronic version available on West Star Aviation's Shared Network File computer system. West Star Aviation will keep records of the self-evaluation on file for a period of 2 years.

- D. Procedures for completing the Self Evaluation Form WSA-F100 (on page 15 of this manual)
 - 1. Enter Accountable Manager's name and date.
 - 2. List the Manufacturer, make and/or model of the aircraft, engine, or article that is being evaluated.
 - 3. Answer all of the 10 questions accurately and add comments if necessary.
 - 4. Any additional Comments may be added on the last 3 lines.

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 8 Effective Date: 1/8/21 Revision: 32
--	--------------------------	---

Section 2: Limited Ratings

Ratings	Manufacturer	Make / Model	Limitations
Airframe	Textron Aviation <i>Formerly Cessna</i>	Cessna 425 & 441 Citation 500 & 501 Cessna 510 Citation 525, 525A, 525B, 525C Citation 550, 551 & 560, 560XL, 560XLS, 560XLS+ Citation 650 Citation 680 Citation X (750)	None
Airframe	Gulfstream Aerospace LP	G100 Astra SPX 1125 Westwind Astra G150 G200 G280	None
Airframe	Gulfstream Aerospace Corporation	G-IV GV GV-SP GIV-X GVI G650	None
Airframe	Dassault Aviation	Falcon 10 Series Falcon 20 Series Falcon 50 Series Falcon 900 Series Falcon 2000 Series Falcon 7X	None
Airframe	Learjet Inc.	31,35,36,45,55,60 Series	None
Airframe	Textron Aviation <i>Formerly Beechcraft</i>	90, 100, 200 & 300 Series HS-125-700A & -700B Hawker 800 Hawker 800A & -800B Hawker 800XP Hawker 850XP Hawker 900XP Hawker 1000 Beechjet 400 Series	None
Airframe	Bombardier (Challenger)	BD-100-1A10 CL-600 Series	None
Airframe	Bombardier (Global)	BD-700-1A10 BD-700-1A11	None

Section 2: Limited Ratings continued

Ratings	Manufacturer	Make / Model	Limitations
Airframe	Embraer	EMB-500 (Phenom 100) EMB-505 (Phenom 300) EMB-545 (Legacy 450) EMB-545 (Praetor 500) EMB-550 (Legacy 500) EMB-550 (Praetor 600)	None
	Yaborã <i>Formerly Embraer</i>	EMB-190-100 ECJ (Lineage 1000) EMB-135BJ (Legacy 600/650) EMB-135 Series EMB-145 Series	

RESERVED FOR FUTURE USE

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 10 Effective Date: 1/8/21 Revision: 32
---	--------------------------	--

Section 2: Limited Ratings continued

Ratings	Manufacturer	Make / Model	Limitations
Powerplant	Williams International	FJ44-1A FJ44-1AP FJ44-2C FJ44-3A FJ44-3A-24 FJ44-4A	Maintenance is limited to inspection, removal/installation of accessories, components, and adjustments, minor repairs and alterations, excluding hot section inspections, disassembly of engine modules, or overhauls.
Powerplant	Honeywell International	TFE731-2 TFE731-2B TFE731-3 TFE731-3A TFE731-3C TFE731-3R TFE731-4R Series TFE731-5 TFE731-5R TFE731-5BR TFE731-20AR TFE731-20BR TFE731-40R-200G TFE731-40AR-200G TFE731-60-1C TPE-331 Series AS907-1 Series AS907-2 Series GTCP-36-100 Series GTCP-36-150 36-150IAI RE100CX RE100XL HTF 7000 Series	Maintenance is limited to inspection, removal/installation of accessories, components, and adjustments, minor repairs and alterations, excluding hot section inspections, disassembly of engine modules, or overhauls.
Powerplant	Pratt and Whitney Canada Corp.	JT15D-1, -1A, -1B JT15D-4 JT15D-5, 5A,5B,5D,5R,5F PT-6 Series	Maintenance is limited to inspection, removal/installation of accessories, components, and adjustments, minor repairs and alterations, excluding hot section inspections, disassembly of

			engine modules, or overhauls.
--	--	--	-------------------------------

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 11 Effective Date: 12/8/20 Revision: 31
--	--------------------------	---

Section 2: Limited Ratings continued

Ratings	Manufacturer	Make / Model	Limitations
Powerplant	Pratt and Whitney Canada, Inc.	PW305 Series PW306A PW306C PW308C PW500 Series PW530A PW535B,E PW545A,B,C PW615	Maintenance is limited to inspection, removal/installation of accessories, components, and adjustments, minor repairs and alterations, excluding hot section inspections, disassembly of engine modules, or overhauls.
Powerplant	General Electric	CF-34-1 and 3 Series CFE738	Maintenance is limited to inspection, removal/installation of accessories, components, and adjustments, minor repairs and alterations, excluding hot section inspections, disassembly of engine modules, or overhauls.
Powerplant	Rolls Royce	Tay Mark 611-8C AE3007C Series BR700-725A1-12	Maintenance is limited to inspection, removal/installation of accessories, components, and adjustments, minor repairs and alterations, excluding hot section inspections, disassembly of engine modules, or overhauls.
Powerplant	Hamilton Sundstrand	T-62T-20G-10C3/4	Maintenance is limited to inspection, removal/installation of accessories, components, and adjustments, minor repairs and alterations, excluding hot section inspections, disassembly of engine modules, or overhauls.

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 12 Effective Date: 2/28/20 Revision: 23
---	--------------------------	---

Section 2: Limited Ratings continued

Ratings	Component	Make / Model	Limitations
Instruments and Radio	Transponders	Honeywell MST-67A Honeywell XS-850A Honeywell XS-852 Honeywell XS-857A Honeywell XS-858B Rockwell Collins TDR-90 Rockwell Collins TDR-94 Rockwell Collins TDR-94D Garmin GTX-33 Garmin GTX-33D Garmin GTX-3000 Bendix King KT 76A Honeywell KT-74	Air data Computer Systems, Standby Altimeters, Mode S Transponders, Signal Interface Adapters, Micro Air Data Computer Systems, VHF Comms, Perform test and inspections of each altimeter, static pressure system and automatic altitude reporting equipment IAW CFR Part 43, Appx. E & F.
Instruments and Radio	Air Data	Honeywell AZ-242 Honeywell AZ-800 Honeywell AZ850 Honeywell AZ-950 Honeywell AZ-960 Rockwell Collins ADC-3000 Bendix King KDC-481 Garmin GDC-74A Garmin GDC-74B	Air data Computer Systems, Standby Altimeters, Mode S Transponders, Signal Interface Adapters, Micro Air Data Computer Systems, VHF Comms, Perform test and inspections of each altimeter, static pressure system and automatic altitude reporting equipment IAW CFR Part 43, Appx. E & F.
Instruments and Radio	Altimeter	Honeywell AM-250(ADDU) IS&S Air Data Display Unit Rockwell Collins ALI-80A Bendix with encoder	Air data Computer Systems, Standby Altimeters, Mode S Transponders, Signal Interface Adapters, Micro Air Data Computer Systems, VHF Comms, Perform test and inspections of each altimeter, static pressure system and automatic altitude reporting equipment IAW CFR Part 43, Appx. E & F.

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 13 Effective Date: 2/28/20 Revision: 23
---	--------------------------	---

Section 2: Limited Ratings continued

Ratings	Component	Make / Model	Limitations
Instruments and Radio	Altimeter	Honeywell AM-250(ADDU) IS&S Air Data Display Unit Rockwell Collins ALI-80A Bendix with encoder	Air data Computer Systems, Standby Altimeters, Mode S Transponders, Signal Interface Adapters, Micro Air Data Computer Systems, VHF Comms, Perform test and inspections of each altimeter, static pressure system and automatic altitude reporting equipment IAW CFR Part 43, Appx. E & F.
Instruments and Radio	Integrated Flight Suites	Honeywell Primus Apex Honeywell Primus Elite Honeywell Primus Epic Honeywell Primus 1000 Honeywell Primus 2000 Rockwell ProLine IV Rockwell ProLine 21 Garmin G1000 Garmin G3000	Air data Computer Systems, Standby Altimeters, Mode S Transponders, Signal Interface Adapters, Micro Air Data Computer Systems, VHF Comms, Perform test and inspections of each altimeter, static pressure system and automatic altitude reporting equipment IAW CFR Part 43, Appx. E & F.

RESERVED FOR FUTURE USE

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 14 Effective Date: 2/28/20 Revision: 23
---	--------------------------	---

Section 2: Limited Ratings continued

Ratings	Manufacture	Make / Model	Limitations
Interior Refurbishment	Textron Aviation <i>Formerly Cessna</i>	Cessna 425 & 441 Citation 500 & 501 Cessna 510 Citation 525, 525A, 525B, 525C Citation 550, 551 & 560, 560XL, 560XLS, 560XLS+ Citation 650 Citation 680 Citation X (750)	Perform repairs or refurbishment of aircraft interior components, seats, berths, and / or litters. Perform repairs or refinish of aircraft interior cabinets, bulkheads, racks, and / or shelves. Work shall be accomplished in accordance with the manufacture's current technical data, the customers air carrier data, or other data approved by the Administrator.
	Gulfstream Aerospace LP	G100 Astra SPX 1125 Westwind Astra G150 G200	
	Gulfstream Aerospace Corporation	G-IV GV GV-SP GIV-X	
	Dassault Aviation	Falcon 10 Series Falcon 20 Series Falcon 50 Series Falcon 900 Series Falcon 2000 Series Falcon 7X	
	Learjet Inc.	31,35,36,45,55,60 Series	
	Textron Aviation <i>Formerly Beechcraft</i>	90, 100, 200 & 300 Series HS-125-700A & -700B Hawker 800 Hawker 800A & -800B Hawker 800XP Hawker 850XP Hawker 900XP Hawker 1000 Beechjet 400 Series	

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 15 Effective Date: 2/28/20 Revision: 23
---	--------------------------	---

Section 2: Limited Ratings continued

Ratings	Manufacture	Make / Model	Limitations
Interior Refurbishment	Bombardier	300 Series	Perform repairs or refurbishment of aircraft interior components, seats, berths, and / or litters. Perform repairs or refinish of aircraft interior cabinets, bulkheads, racks, and / or shelves. Work shall be accomplished in accordance with the manufacture's current technical data, the customers air carrier data, or other data approved by the Administrator.
	Challenger	600 Series	
	Bombardier Global	BD-700-1A10	
	Embreaer Yaborã <i>Formerly Embraer</i>	EMB-500 (Phenom 100) EMB-505 (Phenom 300) EMB-545 (Legacy 450) EMB-545 (Praetor 500) EMB-550 (Legacy 500) EMB-550 (Praetor 600) EMB-190-100 ECJ (Lineage 1000) EMB-135BJ (Legacy 600/650) EMB-135 Series EMB-145 Series	

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 16 Effective Date: 02/01/2021 Revision: 33
---	--------------------------	--

Section 2: Limited Ratings continued

Ratings	Manufacture	Part Number	Description	Limitations
Landing Gear Components (Wheel Assembly)	Aircraft Braking System	PN 5011740 series	Wheel Assembly	Limited to inspection, maintenance, and alterations of aircraft wheels.
	Goodrich	PN 3-1481 series	Wheel Assembly	
	Goodrich	PN 3-1341-1 series	Wheel Assembly	
	Safran	PN C20180410 series	Wheel Assembly	

Ratings	Manufacture	Limitations
Accessories (Batteries)	Concorde Battery Corp.	Limited to inspection, maintenance, and alterations of Lead Acid Batteries
Part Number	Description	
RG Series	Sealed Lead Acid Batteries	

Ratings	Manufacture	Limitations
Accessories (Batteries)	L3 Harris	Limited to inspection, maintenance, and alterations of Power Supply.
Part Number	Description	
PS-835	Emergency Power Supply Batteries	

Ratings	Manufacture	Limitations
Accessories (Batteries)	Honeywell	Limited to inspection, maintenance, and alterations of Power Supply.
Part Number	Description	
60-1321	Emergency Power Supply Batteries	

Section 2: Limited Ratings continued

Ratings	Manufacture	Limitations
Accessories (Batteries)	Gill	Limited to inspection, maintenance, and alterations of NiCad and Lead Acid Batteries
Part Number	Description	
PN 7639 series	Sealed Lead Acid	
PN 7025 series	Sealed Lead Acid	
PN 7035 series	Sealed Lead Acid	
PN 7242 series	Sealed Lead Acid	
PN 7243 series	Sealed Lead Acid	
PN 7246 series	Sealed Lead Acid	
PN 7407 series	Sealed Lead Acid	
PN 7649 series	Sealed Lead Acid	
PN 7638 series	Sealed Lead Acid	

Ratings	Manufacture	Limitations
Accessories (Batteries)	Saft	Limited to inspection, maintenance, and alterations of NiCad Batteries.
Part Number	Description	
5317CH-1	Nickel-Cadmium (NiCad) Batteries	
267CH-7	Nickel-Cadmium (NiCad) Batteries	
257CH-9	Nickel-Cadmium (NiCad) Batteries	
1756-3	Nickel-Cadmium (NiCad) Batteries	
427CK-1	Nickel-Cadmium (NiCad) Batteries	

Ratings	Manufacture	Limitations
Accessories (Batteries)	Hawker	Limited to inspection, maintenance, and alterations of Lead Acid Batteries.
Part Number	Description	
9750W0538	Lead Acid Batteries	

West Star Aviation FAA Air Agency Certificate Number 3WTR399B	Capabilities List	Section: 2 Page: 18 Effective Date: 1/8/21 Revision: 32
---	--------------------------	--

Section 2: Limited Ratings continued

Ratings	Manufacture	Limitations
Landing Gear Components	EMB-500 Phenom 100	Limited to Inspection, Repair, Overhaul
Part Number	Description	
2310-2000-XXX	MLG Shock Strut	
2136-1000-XXX	MLG Locking Actuator	
2310-4000-XXX	MLG Shock Absorber	
2310-1000 2310-5000	NLG Shock Strut	
2310-1700-XXX	NLG Locking Stay	
2310-1400-XXX	NLG Drag Brace	

Ratings	Manufacture	Limitations
Landing Gear Components	EMB-505 Phenom 300	Limited to Inspection, Repair, Overhaul
Part Number	Description	
2317-1100-XXX	MLG Shock Strut	
2117-3000-XXX	MLG Locking Actuator	
2317-3000-XXX	MLG Shock Absorber	
2317-5100-XXX	NLG Shock Strut	
2317-6500-XXX	NLG Locking Stay	
2317-6000-XXX	NLG Drag Brace	

Section 3: Self Evaluation Form

West Star Aviation Repair Station Number: 3WTR399B Self Evaluation Form WSA-F100 for Capability List 145.217(c)			
Accountable Manager:		Date:	
Manufacturer:			
Make/Model:			
Evaluation Questions	Comments	Yes	No
1. Can the facility accommodate the aircraft or article?		<input type="checkbox"/>	<input type="checkbox"/>
2. Does the facility have sufficient workspace for the proper segregation and protection of articles?		<input type="checkbox"/>	<input type="checkbox"/>
3. Does the facility have segregated areas for hazardous materials?		<input type="checkbox"/>	<input type="checkbox"/>
4. Does the facility have suitable racks, trays, stands, and other segregation means for storage and protection of articles?		<input type="checkbox"/>	<input type="checkbox"/>
5. Does the facility have sufficient space to segregate articles for installation, or articles undergoing any kind of maintenance?		<input type="checkbox"/>	<input type="checkbox"/>
6. Does the facility have the tools?		<input type="checkbox"/>	<input type="checkbox"/>
7. Does the facility have the equipment?		<input type="checkbox"/>	<input type="checkbox"/>
8. Does the facility have the current technical data?		<input type="checkbox"/>	<input type="checkbox"/>
9. Does the facility have sufficient qualified personnel?		<input type="checkbox"/>	<input type="checkbox"/>
10. Does the Certificate have the Limited Rating for this article?		<input type="checkbox"/>	<input type="checkbox"/>
11. Additional Comments:			
Signature of Accountable Manager:			

