

4-25-2021	264.2	Remove HFD landing light system.	Install new AeroLEDs
		Sunspot 36-4313 FAA/PMA Landing Light Assembly	
		PN: 01-1030-4313 SN: M22873-005 using installation	
		manual from aroleds.com and also utilize the	
		STC ST12989SE-A. Remove existing 5amp landing	
		light breaker and also replace with Klaxon 10amp breaker	
		PN: 7274-2-10. Ops check ok.	
		Kevin M. Oly con 3179337	

RainAir Avionics Services, LLC

280 Alldredge Drive, Albertville AL 35950

FAA CRS# 9RSR194C

A/C Registration: N360VT A/C Make: Frederick Hays-Roth

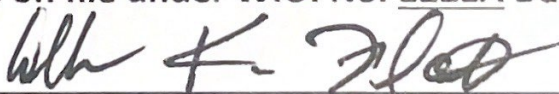
A/C Model: Velocity Twin A/C SN: VT004 Hobbs: 0300.9

- Tested and certified ADC PN AA5-02-03001, SN 246IT-2455B, and Garmin G5 Standby instrument, PN 011-03809-00, SN 4JQ055497, per 14 CFR Part 43, App. E(b). Performed aircraft static system integrity test per 14 CFR Part 43, App. E(a), and altitude reporting system correlation test per 14 CFR Part 43, App. E(c). All tests completed as required to comply with 14 CFR 91.411.

- Tested TRIG transponder, P/N TT22R, S/N 01786, per 14 CFR Part 43, Appendix F, to comply with 14 CFR 91.413 inspection.

With respect only to the maintenance/repairs performed, I certify this aircraft has been repaired and inspected IAW current FAA regulations and is approved for return to service. Details on file under W.O. No: 1221A Dated: 18 Nov 2022

Authorized Signature: _____



Mid-South Avionics (KEY)
950 Mitchell Field Road
Bessemer, Alabama 35022
CRS # ZY4R717M



A/C Registration: N360VT
A/C Model: Velocity Twin
LH Tach Time: 353.1
RH Tach Time: 351.7

A/C Make: Fredrick Hays-Roth
A/C S/N: VT004
Date: 09/05/2023

1. Reviewed ADS-B Performance Reports dated 06/10/2023 and 08/18/2023.
2. Determined ADS-B Out equipment has 100% GPS failure.
3. Removed nose panel to access TT22 transponder.
4. Checked pinout and determined TT22 has no GPS position input to pins 4 and 5.
5. Wired RS-232 from GTN-750 port 3 to TT22 GPS input.
6. Configured GTN-750 RS-232 Out Port 3 for ADS-B Out + Format 1 and completed all configurations on GRT system for TT22 transponder.
7. Removed TT22 transponder p/n: 00745-00-01 s/n: 01786 and sent to Mid-Continent Instruments for software upgrade.
8. Received unit after upgrade and reinstalled.
9. Performed GRT TT22 adapter software upload to update adapter to version 5.
10. C/W FAR 91.413, ATC transponder test and inspection, IAW FAR 43 Appendix F, no discrepancies.
11. Completed ADV CIR 20-165B test using IFR-6000, no discrepancies, valid GPS data present.
12. The installed ADS-B Out System was shown to meet the equipment performance requirements of 14 CFR Section 91.227.
13. Corrected GRT PFD and MFD configurations for NAV1 and GPS 1 to allow display of NAV1 and GPS1 CDI.
14. Corrected shorted RS-232 connection between GTN-750 and GRT PFD.
15. All worked performed IAW Trig TT22 installation manual 00560-00 Rev. AQ, GRT HXR Installation manual Rev. A5, and GTN-750 installation manual 190-01007-A3 Rev. 16.

I certify this Aircraft is approved for return to service with respect to work performed.
Details on File under w/o no. 2521.

Donovan Richards: 

T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C
LOG ID# 1235 04-December-2023 WO# 2327-1 FORM# TTA-015 AC TT 365.5
N360VT S/N VT004 EXPERIMENTAL VELOCITY TWIN TACH ~~365.5~~

Pg 1 / 1

356.5 T.T.

DISCREPANCY: CONDITIONAL INSPECTION

ACTION: PERFORMED CONDITIONAL INSPECTION IAW FAR 43 APPENDIX D AND OEM SERVICE
MAINTENANCE/INSPECTION CHECK LIST. COMPLIED WITH FAR91.207 (D), ELT INSPECTION AND OPERATIONAL
CHECK, UNIT CHECKED GOOD. BATTERY DUE REPLACEMENT JAN 2026. RESEARCHED SB'S AND AD'S FOR
APPLICABILITY AND COMPLIANCE THROUGH DATE 12/4/2023. NONE APPLICABLE AT THIS TIME. REPACKED LH BRAKE
CALIPER AND SERVICE BRAKES. INSTALLED MISSING WASHER ON RH FRONT LANDING GEAR DOOR. PERFORMED POST
INSPECTION OPERATIONAL GROUND RUN UP OF ENGINE AND PERFORMED FUNCTIONAL CHECKS OF AIRCRAFT SYSTEMS,
CHECKED GOOD. WASHED AIRCRAFT. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON 12/4/2023 IN
ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR
SAFE OPERATION. DETAILS OF THESE INSPECTIONS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK
ORDER 2327.

Signed  THOMAS TWIDDY SR

Date


12-4-2023

T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C
LOG ID# 1238 04-December-2023 WO# 2327-1 FORM# TTA-015 AC TT 356.5

N360VT S/N VT004 EXPERIMENTAL VELOCITY TWIN TACH 356.5 TSNEW 356.5

Pg 1 / 1

PERFORMED LH ENGINE CONDITIONAL INSPECTION IAW FAR 43 APPENDIX D AND OEM SERVICE
- MAINTENANCE/INSPECTION CHECK LIST. COMPRESSION CHECKED AS FOLLOWS: #1 76/80, #2 74/80, #3 76/80, AND
#4 78. RESEARCHED SB'S AND AD'S FOR APPLICABILITY AND COMPLIANCE THOUGH DATE 12/4/2023. NONE
APPLICABLE AT THIS TIME. PERFORMED POST INSPECTION OPERATIONAL GROUND RUN UP OF ENGINE, CHECKED
- GOOD. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON 12/4/2023 IN ACCORDANCE WITH THE SCOPE AND
DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. DETAILS OF THESE
INSPECTIONS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER 2327.


Signed 7TTR565C THOMAS WIDDY SR

12-4-2023
Date

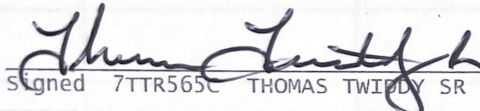
T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C

LOG ID# 1239 04-December-2023 WO# 2327-1 FORM# TTA-015 AC TT 356.5

N360VT S/N VT004 EXPERIMENTAL VELOCITY TWIN TACH 356.5 TSNEW 55.4

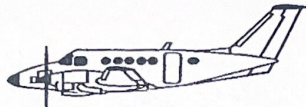
Pg 1 / 1

PERFORMED RH ENGINE CONDITIONAL INSPECTION IAW FAR 43 APPENDIX D AND OEM SERVICE MAINTENANCE/INSPECTION CHECK LIST. COMPRESSION CHECKED AS FOLLOWS: #1 74/80, #2 78/80, #3 80/80, AND #4 74/80. RESEARCHED SB'S AND AD'S FOR APPLICABILITY AND COMPLIANCE THROUGH DATE 12/4/2023. NONE APPLICABLE AT THIS TIME. PERFORMED POST INSPECTION OPERATIONAL GROUND RUN UP OF ENGINE, CHECKED GOOD. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON 12/4/2023 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. DETAILS OF THESE INSPECTIONS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER 2327.


Signed 7TTR565C THOMAS TWIDDY SR

12-4-2023
Date

SOUTH COAST PROPELLER SERVICE, INC.



FAA Approved Repair Station
S6PR302X

PROPELLER LOGBOOK

PROPELLER MODEL MTV-12-B-C-F

PROPELLER S/N 150119

LOG BOOK # 2

N360VT - Left

LH

MAJOR OVERHAUL. BLADES REFINISHED. PARTS FLORESCENT PENETRANT INSPECTED, MAGNAFLUXED, REPLATED & REPLACED WHERE REQUIRED. PROPELLER TRACKED, BALANCED, SET ANGLES, GREASED AND PAINTED. COMPLIES WITH AD'S & SB'S LISTED ON 8130-3 FORM. BLADE S/N'S INSTALLED ARE:AFK-55714,AFK-55715,AFK-55716

[Handwritten signature]

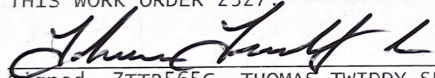
ReInstalled Propeller after Overhaul, Installed and Torqued Per M.M. Engine Run and Propeller Operations check good. This Propeller Inspected Per F.A.R. 43 APP. (D) and is In A Condition For Safe Flight.

AKP 3973120

T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C
LOG ID# 1236 04-December-2023 WO# 2327-1 FORM# TTA-015 AC TT 356.5
N360VT S/N VT004 EXPERIMENTAL VELOCITY TWIN TACH 356.5 TSMOH 70.3

Pg 1 / 1

PERFORMED LH PROPELLER CONDITIONAL INSPECTION IAW FAR 43 APPENDIX D, OEM SERVICE
MAINTENANCE/INSPECTION CHECK LIST. RESEARCHED SB'S AND AD'S FOR APPLICABILITY AND COMPLIANCE THOUGH
DATE 12/4/2023. NONE APPLICABLE AT THIS TIME. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON
12/4/2023 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A
CONDITION FOR SAFE OPERATION. DETAILS OF THESE INSPECTIONS ARE ON FILE AT THIS REPAIR STATION UNDER
THIS WORK ORDER 2327.


Signed 7TTR565C THOMAS TWIDDY SR

12-4-2023

Date

SOUTH COAST PROPELLER SERVICE, INC.



FAA Approved Repair Station

S6PR302X

PROPELLER LOGBOOK

PROPELLER MODEL MTV-12-B-C-F

PROPELLER S/N 150118

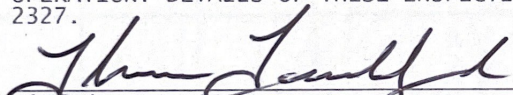
LOG BOOK # 2

N 360VT - Right

T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C
LOG ID# 1237 04-December-2023 WO# 2327-1 FORM# TTA-015 AC TT 356.5
N360VT S/N VT004 EXPERIMENTAL VELOCITY TWIN TACH 356.5 TSMOH 70.3

Pg 1 / 1

PERFORMED RH PROPELLER CONDITIONAL INSPECTION IAW FAR 43 APPENDIX D, OEM SERVICE MAINTENANCE/INSPECTION CHECK LIST. RESEARCHED SB'S AND AD'S FOR APPLICABILITY AND COMPLIANCE THOUGH DATE 12/4/2023. NONE APPLICABLE AT THIS TIME. REMOVED PROPELLER, REPLACED FRONT CRANKSHAFT SEAL AND REINSTALLED PROPELLER. I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ON 12/4/2023 IN ACCORDANCE WITH THE SCOPE AND DETAIL OF APPENDIX D OF PART 43 AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. DETAILS OF THESE INSPECTIONS ARE ON FILE AT THIS REPAIR STATION UNDER THIS WORK ORDER 2327.


Signed 7TTR565C THOMAS TWIDDY SR

12-4-2023
Date

N360VT

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number 14807	
4. Organization Name and Address: South Coast Propeller Service, Inc. FAA RSN S6PR302X EASA 145.6306				5. Work Order/Contract/Invoice Number SR- 14807	
5750 Durose Drive Bessemer, AL 35022 (205) 426-7022 ~ Fax: (205) 426-7026					
6. Item	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MT Propeller	MTV-12-B-C-F/ CFAD 168-101B	1	150118	OVERHAULS

12. Remarks:
THIS PROPELLER WAS INSPECTED AND REPAIRED IN ACCORDENCE WITH MANUFACTURER'S MANUAL(S): **E880 R68, E1290 R46**

TOTAL TIME: **UNKNOWN** HRS. TIME SINCE OVERHAUL 00.00 HRS

Details of work performed are on file at South Coast Propeller Service, Inc. under Repair Station Work Order Number : SR-**14807**

The following work was performed:

MAJOR OVERHAUL. BLADES REFINISHED. PARTS FLORESCENT PENETRANT INSPECTED, MAGNAFLUXED, REPLATED AND REPLACED WHERE REQUIRED. PROPELLER TRACKED, BALANCED, SET ANGLES, GREASED AND PAINTED.

The following Service Bulletins have been complied with:

MT-SB-01 R5

Major Parts Replaced

BLADE S/N's

PART NAME PART # QTY REASON

--	--	--	--

**AFK-55711
AFK-55712
AFK-55713**

The following Airworthiness Directives have been complied with:

A.D. # REV DATE RELEVANT SB DATE & HOURS METHOD ONE-TIME RECUR DUE NEXT

	NO	AD	NOTES APPLY TO THIS PROPELLER AT THIS TIME				
--	-----------	-----------	---	--	--	--	--

NOTE: BLADES OVERHAULED BY MT-PROPELLER USA INC UNDER W/O # 22-163MT 06-JUNE 2022

13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13		14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Certificate Number: S6PR302X
13d. Name (typed or printed):	13e. Date (mm/dd/yyyy):	14d. Name (typed or printed): James M. Gaither, General Manager	14e. Date (dd/mm/yyyy): 12 JULY 2022

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.



Composite Design, Inc.

**Velocity V-Twin Electrical
Wiring Harness Schematics**

V-Twin SN#004

EXPERIMENTALTM ENGINES SERIES



Engine Model: XP IO-360-B4DD2

Serial Number: 36D131663

Place sticker here.

Date: 15 April 2013

It is certified that this Superior XP Series engine has been test run in accordance with Superior's Procedures and is determined to be in a condition for safe flight.

Authorized Signature Warrell Inge

Title: Technical Support

QAF 021 REV B

SUPERIOR
AIR PARTS, INC.

621 South Royal Lane, Suite 100
Coppell, TX 75019
Phone: (972) 829-4600

EXPERIMENTALTM ENGINES SERIES



Engine Model: XP IO-360-B4DD2
663

Serial Number: 36C131662

Place sticker here.

Date: 15 April 2013

It is certified that this Superior XP Series engine has been test run in accordance with Superior's Procedures and is determined to be in a condition for safe flight.

Authorized Signature Warrell Inge

Title: Technical Support

QAF 021 REV B

SUPERIOR
AIR PARTS, INC.

621 South Royal Lane, Suite 100
Coppell, TX 75019
Phone: (972) 829-4600