



T.T. AEROTECH Corp.

125 Airport Ln.

Savannah, TN 38372

Certificated Repair Station #7TTR565C

Capabilities List Manual

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: i
TITLE: TABLE OF CONTENTS
REVISION No: 2
DATE: 08/04/2016

TABLE OF CONTENTS

Cover

TABLE OF CONTENT	i
INTRODUCTION.....	ii
MANUAL CONTROL.....	iii-iv
RECORD OF REVISION	v
LIST OF EFFECTIVE PAGES	vi
CAPABILITIES LIST (LIMITED AIRFRAMES)	1-2
CAPABILITIES LIST (LIMITED POWERPLANT)	3-4
CAPABILITIES LIST (LIMITED RADIOS)	5
CAPABILITIES LIST (LIMITED INSTRUMENTS).....	6

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: ii
TITLE: INTRODUCTION
REVISION No: ORIGINAL
DATE: 07/21/2015

This Capabilities List Manual contains the FAA accepted Capabilities List for T.T. AEROTECH Corp. T.T. AEROTECH Corp. will only perform work listed on the accepted Capabilities List. All T.T. AEROTECH Corp.'s employees will comply with the accepted Capabilities list. All policies and procedures for the Capabilities List described in the Repair Station Manual/Quality Control Manual (Section IV) will be followed and complied with.

The Quality Manager is responsible for ensuring T.T. AEROTECH Corp. complies with all the components Capabilities List.

The President/Accountable Manager is directly responsible for the Capabilities List and has the overall authority. Any changes to the Capabilities List Manual will be coordinated with the President/Accountable Manager.

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: iii
TITLE: MANUAL CONTROL
REVISION No: 4
DATE: 01/15/2018

In addition to paper copies of the manual, T.T. AEROTECH Corp. uses an electronic system (Microsoft Word) to maintain the Capabilities List Manual. The electronic copy will be used as the Master Copy to make changes and for electronic submittal to the Certificate Holding District Office (CHDO). It will not be used as a working copy and only the President/Accountable Manager and the Quality Manager will have access to the electronic copy. The Quality Manager is responsible for the maintenance of the electronic version and the paper copies of the manual. The manual will be reviewed annually or as required and the review will be documented on the TTA-022 Manual Review Form. (See Forms Manual for instructions on completing this form) The Manual Review Form will be kept with the Capabilities List Manual located in the President/Accountable office.

The Quality Manager will authorize, as instructed by the President/Accountable Manager, by signature and date when Capabilities List Manual to be released for disposition to the organization. The President/Accountable Manager will authorize any changes or revisions needed to keep the Capabilities List current and will sign and approve the "List of Effective Pages" page of this manual.

Any employee of T.T. AEROTECH Corp. may recommend any changes to the Capabilities List either verbally or via memo to the Quality Manager. The procedures in the Repair Station Manual/Quality Control Manual (Section IV) will be complied with. Once the Capability Self-Evaluation Form is completed and approved it will be stored with the Capability List Manual.

Once the Quality Manager has the President/Accountable Manager approval the Quality Manager will inserted the changes into the Capabilities List Manual. The President/Accountable Manager will have those revisions he finds necessary produced either electronic or paper copy for submission to the Federal Aviation Administration, Memphis Certificate-Holding District Office (CHDO) 2847 Business Park Dr. Building J, Memphis, TN 38118. Capabilities List will be submitted to the CHDO on a Semi-annual schedule. Changes to revised text will be identified by black bars in the left-hand margin of the affected pages.

The FAA CHDO will notify T.T. AEROTECH Corp. in writing (letter, memo or email) whether it accept or rejects the revised Capabilities List. The President/Accountable Manager will retain a copy of the CHDO's acceptance/rejection document with the Capabilities List Manual for at least two years.

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: iv
TITLE: MANUAL CONTROL
REVISION No: ORIGINAL
DATE: 07/21/2015

In the event, any changes are found unacceptable to the FAA the changes will be suspended immediately from the Repair Station practices and removed from all copies of the Capabilities List manual. The President/Accountable Manager will have the Quality Manager brief all employees of the immediately suspended practices and provide guidance on the procedures that will be complied with. The Quality Manager will assure that all actions performed by the Repair Station using practices that were subsequently found to be unacceptable by the FAA will be reviewed and implement the required corrected action. If the change affected any article that was repaired using the unacceptable change those articles that are still in-house will be reprocessed. If the article was sent back to a customer that customer will be contacted to take the necessary action required to correct the issue. If further changes to the Capabilities List are required, the above procedures will be complied with.

A list of effective pages will be issued with each revision so the Capabilities List Manual can be checked and kept current. To prevent access to information that is not maintained current, no employee may make a copy of the manual or pages from the manual, without clearly identifying them as uncontrolled copies. A copy of the Capability List will be kept in the shipping/receiving area so it can be checked when incoming articles are received for repair. The Quality Manager is responsible to ensure this copy is current. The shipping/receiving personnel will verify the currency of the Capability List weekly and sign and date the cover page that will be maintained with the capability List.

If the manual has been completely revised, the Quality manager will destroy all old manuals.

PAGE: v
TITLE: RECORD OF REVISION
REVISION No: 5
DATE: 11/28/2018

Note: Pages affected by the revision are noted by the date change on the affected page and correlates with the date of the revision listed on the Record of Revision page. The changes were incorporated on the appropriate pages.

The President/Accountable Manager must approve any revisions or changes to this manual.

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T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: vi
TITLE: LIST OF EFFECTIVE PAGES
REVISION No: 5
DATE: 11/28/2018

LIST OF EFFECTIVE PAGES

SECTION	Page	REV	Date
COVER PAGE		ORIGINAL	07/21/2015
TABLE OF CONTENT	i	2	08/04/2016
INTRODUCTION	ii	ORIGINAL	07/21/2015
MANUAL CONTROL	iii	4	01/15/2018
	iv	ORIGINAL	07/21/2015
RECORD OF REVISION	v	<u>5</u>	11/28/ <u>2018</u>
LIST OF EFFECTIVE PAGES	vi	<u>5</u>	11/28/ <u>2018</u>
CAPABILITIES LIST (LIMITED AIRFRAMES)	1	<u>5</u>	11/28/ <u>2018</u>
	2	<u>5</u>	11/28/ <u>2018</u>
CAPABILITIES LIST (LIMITED POWERPLANT)	3	2	08/04/2016
CAPABILITIES LIST (LIMITED POWERPLANT)	4	2	08/04/2016
CAPABILITIES LIST (LIMITED RADIOS)	5	<u>5</u>	11/28/ <u>2018</u>
CAPABILITIES LIST (LIMITED INSTRUMENTS)	6	<u>5</u>	11/28/ <u>2018</u>

Signed and Approved By: Thomas Twisted
President/Accountable Manager

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: 1
TITLE: CAPABILITIES LIST (LIMITED AIRFRAMES)
REVISION No: 5
DATE: 11/28/2018

LIMITED AIRFRAME FOR:

For the following manufacture's make/model, limited to inspection, maintenance, preventative maintenance, repair, alterations, removal and/or installation of accessories and component in accordance with manufacturer's technical data or other FAA approved data. To test and inspect in accordance with Title 14 CFR Part 43, Appendix E and F. Excludes aircraft overhaul.

Piper:

PA-23-150/160/235/250, PA-24, PA-28-140/150/160/180/235, PA-28R-180/200, PA-151/161, PA-28-161 CADET, PA-28-181, PA-28-201T, PA-28-236, PA-28R-201/201T, PA-28RT-201/201T, PA-30/39, PA-31-300/325, PA-31-350, PA-31-350/T-1020, PA-31P, PA-31P-350, PA-31T/T1/T1A/T2, PA-31T3/T-1040, PA-32-260/300/32R-300, PA-32-300/301T, PA-32-301FT/XTC, PA-32R-301/301T, PA-32RT-300/300T, PA-34/34-200, PA-34-200T, PA-36, PA-38-112, PA-42/42-720, PA-42-1000, PA-44-180/180T, PA-46-310/350P, PA-46-500TP.

Beechcraft:

33 Series, 35 Series, 36 Series, 55 Series, 58 Series
King-Air E90

Bellanca:

17-30A, 17-31A, 17-31ATC

CIRRUS DESIGN:

SR20, SR22

CESSNA:

100 Series Aircraft:
120, 140, 150, 152, 170, 172, 175, 177, 180, 182, 185, 188, 190, 195
200 Series Aircraft:
206, 208, 207, 210
300 Series Aircraft:
303, 310, 320, 335, 336, 337, 340
400 Series Aircraft:
401, 402, 404, 411, 414, 421, 441
Citation Series Aircraft:
500/501, 560

GRUMMAN-AMERICAN:

AA-1C, AA-5, AA-5A, AA-5B

MAULE AIRCRAFT:

MT-7-235, MT-7-260

MOONEY:

M20, M20A, M20B, M20C, M20E, M20F, M20G, M20J, M20K, M20M

ROCKWELL COMMANDER:

114, 114A
112/B/TC/TCA

THRUSH AIRCRAFT, INC

S-2R

ROBERTSON HELICOPTER COMPANY

R22 ***INSTALLATION OF HELITRAK COLLECTIVE PULL- DOWN SYSTEM

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: 2
TITLE: CAPABILITIES LIST (LIMITED AIRFRAMES)
REVISION No: 5
DATE: 11/28/2018

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NAVION

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: 3
TITLE: CAPABILITIES LIST (LIMITED POWERPLANT)
REVISION No: 2
DATE: 08/04/2016

LIMITED POWERPLANT FOR:

For the following manufacture's make/model, limited to inspection, removal/installation, maintenance, preventative maintenance, adjustment, repair, alteration, removal and/or installation of accessories and component in accordance with manufacturer's technical data or other FAA approved data. Excludes engine overhaul.

CONTINENTAL ENGINES:

GO-300A/C/D/E
GTSIO-520C, GTSIO-520D, GTSIO-520-H, GTSIO-520-K, GTSIO-520-L, GTSIO-520-M, GTSIO-520-N
IO-360A/AB/AF/C/CB/D/DB/ES/G/GB/H/HB/J/JB/K/KB
IO-470-C/D/E/F/G/H/J/K/L/M/N/P/R/S/U/V/VO
IO-520-A/D/E/F/J/K&L "SANDCAST MODELS"
IO-520-B/BA/BB/C/CB/M/MB/ "PERMOLD MODELS"
IO-550B/-B/C/G/N/P&R "PERMOLD MODELS"
IO-550-D/E/F&L "SANDCAST MODELS"
IOF-550-B/C/N/P&R "PERMOLD MODELS"
LTSIO-360-E/EB&KB
O-200-A/B&C 0-200-D&X
O-300-A/C/D/E
O-470-A/B/E/G/J/K/L/M/R/S/U
TSIO-360-A/AB/B/C/CB/D/DB/E/EB/F/FB/G/GB/H/HB/J/JB/K&KB
TSIO-360-LB
TSIO-360-MB
TSIO-360-RB & LTSIO-360-RB
TSIO-360-SB
TSIO-470-B/C&D
TSIO-520-B/BB/D/DB/E/EB/J/JB/K/KB/N/NB/U/UB/VB "PERMOLD MODELS"
TSIO-520-UB17
TSIO-520-BE "PERMOLD MODELS"
TSIO-520-C/CE/G/H/M/P/R/T/AE/AF LTSIO-520-AE "PERMOLD MODELS"
TSIO-520-L/LB/WB "PERMOLD MODELS"
TSIO-550-B/C/E/G/K&N "PERMOLD MODELS"
TSIOF-550-D/J/K&P "PERMOLD MODELS"
TSIOL-550-A "PERMOLD MODELS"
TSIOL-550-C "PERMOLD MODELS"

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: 4
TITLE: CAPABILITIES LIST (LIMITED POWERPLANT)
REVISION No: 2
DATE: 08/04/2016

LYCOMMINGS ENGINES:

O-340 SERIES
O-235 SERIES
O-290 SERIES
O-360 SERIES
HO-360 SERIES, IO-360 SERIES, AIO-360 SERIES, HIO-360 SERIES, TIO-360 SERIES, TO-360 SERIES
AEIO-320 SERIES
AEIO-360 SERIES
AEIO-540 SERIES
O-320 76 SERIES
O-360 76 SERIES
TO-360 76 SERIES
IO-390 SERIES
O-320 SERIES, IO-320 SERIES
IO-390-A SERIES
(L)IO-360-M1A SERIES
YIO-390-B SERIES
YO-233-B2A SERIES
AEIO-390-A SERIES
O-540 SERIES, IO-540 SERIES
TIO-541 SERIES
GO-480 SERIES, GSO-480 SERIES, IGO-480 SERIES, IGSO-480 SERIES
IGO-540 SERIES, IGSO-540 SERIES
AEIO-320 SERIES
AEIO-360 SERIES
AEIO-540 SERIES
TIO-540 SERIES ANGEL VALVE CYLINDER HEADS
TIO-540 SERIES PARALLEL VALVE CYLINDER HEADS
TIO-540-AE2A SERIES
IO-580-B1A SREIES, AEIO-580-B1A SERIES
IO-540-AF1A5 SERIES, O-540-A4E5 SERIES, IO-540-AG145 SERIES
TIGO-541-E1A

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: 5
TITLE: CAPABILITIES LIST (LIMITED RADIOS)
REVISION No: 5
DATE: 11/28/2018

LIMITED RADIOS FOR:

For the following manufacture's make/model, limited to the removal/installation, testing, repair software updates, and alteration in accordance with manufacturer's technical data or other FAA approved data. Excluding overhaul. To test and inspect in accordance with Title 14 CFR Part 43, Appendix F.

AVIDYNE:

IFD 550, IFD 545, IFD 540, IFD 510, IFD 440, IFD 410, AMX 240, AXP 322, AXP 340

Bendix/King (Honeywell):

KCS-55A System, KGX 130/150, KI201C, KI202, KI203, KI204, KI206, KI207, KI208, KI208A, KI209, KI209A, KI211C, KI212, KI213, KI214, KX170A, KX170B, KX170BE, KX175B, KX175B, KMA 20/KR 21, KMA24, KMA30, KN62/62A/64, KN72, KN73, KN75, KNS80, KY92, KY196/197, KY 96A/KY 97A, KX125, KX155, KX165, KX155A, KX165A, KT-73, KT-74, KT-76/KT-78, KT-76A/KT-78A, KT-76C, KLN 89/89B, KLN90A, KLN 90B, KLN 94, KLN 35A, KLX 135/135A, KSN770

Cessna A.R.C.:

RT-328T, RT-385A, RT-359A, RT-459A, RT-859A

GARMIN Avionics:

G1000, G600, G500, GAD42, GAD43, 400 & 400W Series, 500 & 500W Series, GDL88, GNC255, GNS480, GNC300XL, GNC250XL, GPS155XL, GPS165, GPS150XL, GTN6xx/7xx Series, GTR200, GTR225, GTS800 Series, GTX320, GTX320A, GTX327, GTX328, GTX330, GTX330D, GTX32, GTX33, GMA240, GMA340, GMA347, GMA35, GMA350, GMX200, GII02A, GII06A, G3X SYSTEM, MD200, MX20, SL30, SL40, GDL90, GDL49, GDL69/69A, GX50, GX55, GX60, GX65

NARCO Avionics:

AT-50/50A, AT-150, AT165, COM 120, COM 810/811, MK12D, MK12E, NAV 121/122, NAV 824/825, DME890, IDME891

PS ENGINEERING:

PAR200A, PM-1000, PMA-4000, PDA 360 ex/r

TKM, Inc:

MX11, MX12, MX170B, MX170C, MX300, MX385, MX 155X

VALS AVIONICS:

COM 2000, NAV 2000, INS 429, COM 2KR, NAV 2KR, AWOS 200

APPAREO SYSTEMS:

STRATUS ES, ESG

AVIONIX

ECHOUAT, SKYFYX

Collins

VIR 351, TDR 950

Dynon

SV-ADSB-472, SV-COM-425

T. T. AEROTECH Corp.
CAPABILITIES LIST AND OPERATIONAL SPECIFICATIONS
Certificated Repair Station #7TTR565C

PAGE: 6
TITLE: CAPABILITIES LIST (LIMITED INSTRUMENTS)
REVISION No: 5
DATE: 11/28/2018

LIMITED INSTRUMENTS FOR:

For the following manufacture's make/model, limited to the removal/installation, testing, repair, replace Bezel, seals, glass and fluid and alteration in accordance with manufacturer's technical data or other FAA approved data. Excluding overhaul. To test and inspect in accordance with Title 14 CFR Part 43, Appendix E.

ACK Technology Inc:

A-30 Blind Encoder

AmeriKing:

AK-350 Blind Encoder

DYNON AVIONICS:

EMS-D120, SV-HDX 1100 SYSTEM, AF5600

JP Instrument:

EDM-830

NARCO Avionics:

AR-850 Blind Encoder

Sandia:

SAE5-35 Blind Encoder

Trans Cal:

D120-P2-T Blind Encoder

SSD-120-(XX) A Blind Encoder

SSD-120-35C-RS232

United Instruments:

8125 B193 True Airspeed Indicator

5934P-1 Altimeter

TRUTRAK

PMA Vizion, Gemini AP, Vizion, Sorcerer

Sigma Tek

5000B-9