

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SE03309CH

This certificate issued to

Tanis Aircraft Products
2951 100th Court NE Suite 150
Blaine, MN 55449-5126

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part * of the * Regulations.*

Original Product Type Certificate Number:

*See attached FAA Approved Model List (AML)

Make:

*No. SE03309CH for list of approved engine models and

Model:

*applicable airworthiness regulations

Description of Type Design Change:

Installation of Tanis Engine Preheat Kit, p/n TSP6CYL-2927-115 for 115-volt application in accordance with Engine Preheat Kit drawing 02927-115, Revision E, dated April 12, 2019 and Tanis Instruction - Preheat Kit Installation, TNP2927 Rev. G, dated April 12, 2019 or later FAA approved revisions. or

Installation of Tanis Engine Preheat Kit, p/n TSP6CYL-2927-230 for 230-volt application in accordance with Engine Preheat Kit, drawing 02927-230, Revision E, dated April 12, 2019 and Tanis Instruction - Preheat Kit Installation, TNP2927 Rev. G, dated April 12, 2019 or later FAA approved revisions.

Limitations and Conditions:

1. Compatibility of this design change with previous modifications must be determined by the installer.
2. FAA accepted, Instructions for Continued Airworthiness (ICA), TCA1000, Revision A, dated December 11, 2017, and Operating Guide TPG1000, Rev. C, dated February 6, 2019 or later FAA accepted revisions are required.
3. A copy of this certificate must be maintained as part of the permanent records for the modified engine.
4. If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: August 08, 2013

Date reissued: May 13, 2015; January 21, 2020

Date of issuance: March 18, 2014

Date amended: June 10, 2019

By direction of the Administrator



[Handwritten Signature]
(Signature)

Roy E. Boffo
Manager, Propulsion and Program Management Section
Chicago ACO Branch

(Title)

FAA APPROVED MODEL LIST (AML) NO. SE03309CH
TANIS AIRCRAFT PRODUCTS
FOR
INSTALLATION OF ENGINE PREHEAT KIT

March 18, 2014

ITEM	ENGINE MAKE	ENGINE MODEL	ORIGINAL TYPE CERTIFICATE NUMBER	CERTIFICATION BASIS FOR ALTERATION	INSTALLATION INSTRUCTIONS		AML AMENDMENT DATE
					NUMBER	REVISION AND DATE	
1	Continental Motors	C-115-1, C-115-2, C-125-1, C-125-2.	E-236	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
2	Continental Motors	A100-1, A100-2.	E-241	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
3	Continental Motors	E165-2, E165-3, E165-4, E185-1, E185-2, E185-3(O-470-7, O-470-7A), E185-5, E185-8, E185-9 (O-470-7B), E185-10, E185-11.	E-246	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
4	Continental Motors	C145-2, C145-2H, C145-2HP, O-300-A, O-300-B, O-300-C, O-300-D, O-300-E.	E-253	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
5	Continental Motors	E225-2, E225-4, E225-8, E225-9.	E-267	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
6	Continental Motors	O-470-4, O-470-11, O-470-11B, O-470-11-CI, O-470-11B-CI, O-470-13, O-470-13A, O-470-15.	E-269	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
7	Continental Motors	O-470-A, O-470-B, O-470-E, O-470-G, O-470-H, O-470-J, O-470-K, O-470-L, O-470-M, O-470-N, O-470-P, O-470-R, O-470-S, O-470-T, O-470-U, O-470-B-CI, O-470-G-CI, O-470-K-CI, O-470-L-CI, O-470-M-CI, IO-470-A, IO-470-C.	E-273	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
8	Continental Motors	FSO-470-A, O-470-2.	E-281	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
9	Continental Motors	FSO-526A (O-525-1), FSO-526-C.	E-292	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
10	Continental Motors	GO-300-A, GO-300-B, GO-300-C, GO-300-D, GO-300-E, GO-300-F.	E-298	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
11	Continental Motors	GSO-526-A.	E-303	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
12	Continental Motors	6-260-A.	E11CE	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
13	Continental Motors	6-285-A, 6-285-B, 6-285-BA, 6-285-C, 6-285-CA.	E12CE	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
14	Continental Motors	RR O-300-A, RR O-300-B, RR O-300-C, RR O-300-D.	E4IN	CAR 10 and BCAR Section C (Equivalent to CAR Part 13)	TNP2927	Rev. G* 4/12/2019	6/10/2019

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15	Continental Motors	IO-360-A, IO-360-B, IO-360-C, IO-360-D, IO-360-E, IO-360-G, IO-360-H, IO-360-J, IO-360-K, IO-360-AB, IO-360-DB, IO-360-GB, IO-360-HB, IO-360-JB, IO-360-KB, IO-360-ES.	E1CE	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
16	Continental Motors	GIO-470-A.	E2CE	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
17	Continental Motors	IO-346-A, IO-346-B.	E3CE	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
18	Continental Motors	IO-520-A, IO-520-B, IO-520-BA, IO-520-BB, IO-520-C, IO-520-CB, IO-520-D, IO-520-E, IO-520-F, IO-520-J, IO-520-K, IO-520-L, IO-520-M, IO-520-MB, IO-520-N, IO-520-NB, L/IO-520-P.	E5CE	CAR 13 FAR 33 L/LO-520-P	TNP2927	Rev. G* 4/12/2019	6/10/2019
19	Continental Motors	GTSIO-520-C, GTSIO-520-D, GTSIO-520-E, GTSIO-520-F, GTSIO-520-H, GTSIO-520-K, GTSIO-520-L, GTSIO-520-M, GTSIO-520-N.	E7CE	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
20	Continental Motors	TSIO-520-A, TSIO-520-B, TSIO-520-C, TSIO-520-D, TSIO-520-E, TSIO-520-G, TSIO-520-H, TSIO-520-J, TSIO-520-K, TSIO-520-L, TSIO-520-M, TSIO-520-N, TSIO-520-P, TSIO-520-R, TSIO-520-BB, TSIO-520-DB, TSIO-520-EB, TSIO-520-JB, TSIO-520-KB, TSIO-520-LB, TSIO-520-NB, TSIO-520-T, TSIO-520-U, TSIO-520-UB, TSIO-520-VB, TSIO-520-WB, TSIO-520-AE, TSIO-520-AF, LTSIO-520-AE, TSIO-520-BE, TSIO-520-CE.	E8CE	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
21	Continental Motors	TSIO-360-A, TSIO-360-AB, TSIO-360-B, TSIO-360-C, TSIO-360-CB, TSIO-360-D, TSIO-360-DB, TSIO-360-E, TSIO-360-F, TSIO-360-G, TSIO-360-GB, TSIO-360-H, TSIO-360-HB, TSIO-360-EB, TSIO-360-FB, TSIO-360-JB, TSIO-360-KB, TSIO-360-LB, TSIO-360-BB, TSIO-360-MB, TSIO-360-NB, TSIO-360-PB, TSIO-360-RB, TSIO-360-SB, LTSIO-360-E, LTSIO-360-EB, LTSIO-360-KB, LTSIO-360-RB.	E9CE	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019

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					NUMBER	REVISION AND DATE	
22	Continental Motors	IO-470-D, IO-470-E, IO-470-F, IO-470-G, IO-470-H, IO-470-J, IO-470-K, IO-470-L, IO-470-LO, IO-470-M, IO-470-N, IO-470-P, IO-470-R, IO-470-S, IO-470-T, IO-470-U, IO-470-V, IO-470-VO, L/IO-470-A.	3E1	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
23	Continental Motors	TSIO-470-B, TSIO-470-C, TSIO-470-D.	3E3	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
24	Continental Motors	6-320-B.	E1SO	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
25	Continental Motors	T6-320-A.	E2SO	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
26	Continental Motors	IO-550-A, IO-550-B, IO-550-C, IO-550-D, IO-550-E, IO-550-F, IO-550-G, IO-550-L, IO-550-N, IO-550-P, IO-50-R, IOF-550-B, IOF-550-C, IOF-550-D, IOF-550-E, IOF-550-F, IOF-550-L, IOF-550-N, IOF-550-P, IOF-550-R.	E3SO	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
27	Continental Motors	TSIOL-550-A, TSIOL-550-B, TSIOL-550-C.	E4SO	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
28	Continental Motors	TSIO-550-A, TSIO-550-B, TSIO-550-C, TSIO-550-E, TSIO-550-G, TSIO-550-K, TSIO-550-N, TSIOF-550-D, TSIOF-550-J, TSIOF-550-K, TSIOF-550-P.	E5SO	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
29	Lycoming Engines	O-435, O-435-A, O-435-A2, O-435-B (O-435-5), O-435-C (O-435-1), O-435-C1 (O-435-11), O-435-C2 (O-435-13), O-435-K, O-435-K1 (O-435-4), GO-435, GO-435-C2 (O-435-17), GO-435-C2A, GO-435-C2A2, GO-435-C2B, GO-435-C2B1, GO-435-C2B2, GO-435-C2C, GO-435-C2D, GO-435-C2E, GO-435-D1.	E-228	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
30	Lycoming Engines	GO-480, GO-480-A1A, GO-480-B, GO-480-B1, GO-480-B1A6, GO-480-B1B, GO-480-B1C, GO-480-B1D, GO-480-C1B6, GO-480-C1D6, GO-480-C2C6, GO-480-C2D6, GO-480-C2E6, GO-480-C3A6 GO-480-D1A, GO-480-E1A6, GO-480-F1A6, GO-480-F2A6, GO-480-F2D6, GO-480-F3A6, GO-480-F3B6, GO-480-F4A6, GO-480-F4B6, GO-480-F6, GO-480-G1A6, GO-480-G1B6, GO-480-G1D6, GO-480-G1H6, GO-480-G1J6, GO-480-G2D6, GO-480-G2F6, IGO-480-A1A6, IGO-480-A1B6.	E-275	CAR 13 FAR 33 GO-480-G1J6 IGO-480-A1A6 IGO-480-A1B6	TNP2927	Rev. G* 4/12/2019	6/10/2019

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					NUMBER	REVISION AND DATE	
31	Lycoming Engines	GSO-435-B, GSO-435-B2.	E-276	Type Certificate No, 276	TNP2927	Rev. G* 4/12/2019	6/10/2019
32	Lycoming Engines	GSO-480-A1A6, GSO-480-A1C6, GSO-480-A2A6, GSO-480-B1A6, GSO-480-B1B6, (O-480-1), GSO-480-B1C6, GSO-480-B1E6, GSO-480-B1F6, GSO-480-B1G6, GSO-480-B1J6, GSO-480-B2C6, GSO-480-B2D6, GSO-480-B1B3, GSO-480-B2G6, GSO-480-B2H6, IGSO-480-A1A6 (0-480-3), IGSO-480-A1B6, IGSO-480-A1C6, IGSO-480-A1D6, IGSO-480-A1E6, IGSO-480-A1F3, IGSO-480-A1F6, IGSO-480-A1G6.	E-284	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
33	Lycoming Engines	O-540-A1A, O-540-A1A5, O-540-A1B5, O-540-A1C5, O-540-A1D, O-540-A1D5, O-540-A2B, O-540-A3D5, O-540-A4A5, O-540-A4B5, O-540-A4C5, O-540-A4D5, O-540-A4E5, O-540-B1A5, O-540-B1B5, O-540-B1D5, O-540-B2A5, O-540-B2B5, O-540-B2C5, O-540-B4A5, O-540-B4B5, O-540-D1A5, O-540-E4A5, O-540-E4B5, O-540-E4C5, O-540-F1A5, O-540-F1B5, O-540-G1A5, O-540-G2A5, O-540-H1A5, O-540-H1A5D, O-540-H1B5D, O-540-H2A5, O-540-H2A5D, O-540-H2B5D, O-540-J1A5D, O-540-J1B5D, O-540-J1C5D, O-540-J1D5D, O-540-J2A5D, O-540-J2B5D, O-540-J2C5D, O-540-J2D5D, O-540-J3A5D, O-540-J3A5, O-540-J3C5D, O-540-L3C5D.	E-295	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
34	Lycoming Engines	IO-540-A1A5, IO-540-B1A5, IO-540-B1B5, IO-540-B1C5, IO-540-C1B5, IO-540-C1C5, IO-540-C2C, IO-540-C4B5, IO-540-C4B5D, IO-540-C4D5, IO-540-C4C5, IO-540-C4D5D, IO-540-D4A5, IO-540-D4B5, IO-540-D4C5, IO-540-E1A5, IO-540-E1B5, IO-540-E1C5, IO-540-G1A5, IO-540-G1B5, IO-540-G1C5, IO-540-G1D5, IO-540-G1E5, IO-540-G1F5, IO-540-J4A5, IO-540-K1A5, IO-540-K1A5D, IO-540-K1B5, IO-540-K1B5D, IO-540-K1C5, IO-540-K1D5, IO-540-K1E5, IO-540-K1E5D, IO-540-K1F5, IO-540-K1F5D, IO-540-K1G5, IO-540-K1G5D, IO-540-K1H5, IO-540-K1J5, IO-540-K1J5D, IO-540-K1K5, IO-540-K2A5, IO-540-L1A5, IO-540-L1A5D, IO-540-L1B5D, IO-540-L1C5, IO-540-M1A5, IO-540-M1A5D,	1E4	CAR 13 FAR 33 IO-540-AF1A5 IO-540-AG1A5	TNP2927	Rev. G* 4/12/2019	6/10/2019

FAA APPROVED MODEL LIST (AML) NO. SE03309CH
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FOR
INSTALLATION OF ENGINE PREHEAT KIT

March 18, 2014

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35	Lycoming Engines	IO-540-M1B5D, IO-540-M1C5, IO-540-M2A5D, IO-540-N1A5, IO-540-P1A5, IO-540-R1A5, IO-540-S1A5, IO-540-T4A5D, IO-540-T4B5, IO-540-T4B5D, IO-540-T4C5D, IO-540-U1A5D, IO-540-U1B5D, IO-540-V4A5D, IO-540-V4A5, IO-540-W1A5, IO-540-W1A5D, IO-540-W3A5D, IO-540-AA1A5, IO-540-AA1B5, IO-540-AB1A5, IO-540-AC1A5, IO-540-AE1A5, IO-540-AF1A5, IO-540-AG1A5, AEIO-540-D4A5, AEIO-540-D4B5, AEIO-540-D4C5, AEIO-540-D4D5, AEIO-540-L1B5D, AEIO-540-L1B5, AEIO-540-L1D5.	1E4	CAR 13 FAR 33 IO-540-AF1A5 IO-540-AG1A5	TNP2927	Rev. G* 4/12/2019	6/10/2019
36	Lycoming Engines	IGSO-540-A1A, IGSO-540-A1C, IGSO-540-A1D, IGSO-540-A1E, IGSO-540-A1F, IGSO-540-A1H, IGSO-540-B1A, IGSO-540-B1C.	1E7	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
37	Lycoming Engines	IGO-540-A1A, IGO-540-A1B, IGO-540-A1C, IGO-540-B1A, IGO-540-B1B, IGO-540-B1C.	1E11	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
38	Lycoming Engines	TIO-541-A1A, TIO-541-E1A4, TIO-541-E1B4, TIO-541-E1C4, TIO-541-E1D4.	E10EA	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
39	Lycoming Engines	TIO-540-A1A, TIO-540-A1B, TIO-540-A2A, TIO-540-A2B, TIO-540-A1C, TIO-540-A2C, TIO-540-C1A, TIO-540-E1A, TIO-540-F2BD, TIO-540-G1A, TIO-540-H1A, TIO-540-J2B, TIO-540-J2BD, TIO-540-K1AD, TIO-540-N2BD, TIO-540-R2AD, TIO-540-S1AD, TIO-540-T2AD, TIO-540-U2A, TIO-540-V2AD, TIO-540-W2A, TIO-540-AA1AD, TIO-540-AB1AD, TIO-540-AB1BD, TIO-540-AE2A, TIO-540-AF1A, TIO-540-AF1B, TIO-540-AG1A, TIO-540-AH1A, TIO-540-AJ1A, TIO-540-AK1A, LTIO-540-F2BD, LTIO-540-J2B, LTIO-540-J2BD, LTIO-540-K1AD, LTIO-540-N2BD, LTIO-540-R2AD, LTIO-540-U2A, LTIO-540-V2AD, LTIO-540-W2A.	E14EA	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
40	Lycoming Engines	TIGO-541-B1A, TIGO-541-C1A, TIGO-541-D1A, TIGO-541-D1B, TIGO-541-E1A, TIGO-541-G1AD.	E19EA	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019
41	Lycoming Engines	IO-580-A1A, IO-580-B1A, AEIO-580-B1A.	E00004NY	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019

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March 18, 2014

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42	Franklin Sp. z.o.o.	6A4-150-B3, 6A4-150-B4, 6A4-150-B31, 6A4-165-B3, 6A4-165-B4, 6A4-165-B6, 6A4-200-C6.	E-238	CAR 13 FAR33 6A4-150-B4 6A4-165-B4	TNP2927	Rev. G* 4/12/2019	6/10/2019
43	Franklin Sp. z.o.o.	6A8-215-B8F, 6A8-215-B9F.	E-242	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
44	Franklin Sp. z.o.o.	6A-335-A, 6A-335-B, 6A-335-B1A, 6A-335-D, 6A-335-B1.	E-244	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
45	Franklin Sp. z.o.o.	6AS-335-A, 6AS-335-B.	E5EA	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
46	Franklin Sp. z.o.o.	6A-350-C1, 6A-350-C1A, 6A-350-C2, 6A-350-D, 6A-350-D1, 6A-350-D1A, 6A-350-D1B, 6A-350-C2A, 6A-350-C1R, 6A-350-C1L.	E9EA	CAR 13	TNP2927	Rev. G* 4/12/2019	6/10/2019
47	Franklin Sp. z.o.o.	6AS-350-A, 6AS-350-A1.	E18EA	FAR 33	TNP2927	Rev. G* 4/12/2019	6/10/2019

*or later FAA approved revision

for FAA Approved: 
 Roy E. Boffo
 Manager, Propulsion and Program Management Section
 Chicago ACO Branch

Date reissued: May 13, 2015
 Date amended: June 10, 2019

COLD WEATHER MODIFICATION



P/N: TSP6CYL-2927-115
ENGINE PREHEAT KIT - 115 VOLT

PURPOSE:

TOP LEVEL DRAWING - ELIGIBILITY, PARTS, AND RELATED DOCUMENTS REQUIRED FOR INSTALLATION, OPERATION, AND CONTINUED AIRWORTHINESS.
(REPLACES P/N: TAS75-02 AND TAS100 SERIES 6-CYLINDER KITS)

ELIGIBILITY:

6-CYLINDER CONTINENTAL, FRANKLIN, AND LYCOMING ENGINES, STC SE03309CH AND EASA 10054433.

SUPPLEMENTARY INFORMATION:

- A. START INSTALLATION WITH ITEM INVENTORY AND KIT INSTALLATION INSTRUCTION.
- B. TOOLS HARDWARE AND BONDING SEALANT NOT SUPPLIED REFER RELATED DOCUMENTS.
- C. STANDARD OPTIONS LISTED IN INSTALLATION GUIDE TNG1000.
- D. DOCUMENTS AVAILABLE AT WWW.TANISAIRCRAFT.COM OR CONTACT TANIS AIRCRAFT PRODUCTS.

INCLUDES THE FOLLOWING CHECKED [✓] ITEMS:

QTY	ITEM NUMBER	DESCRIPTION
[]	1 CB911	SOLVENT WIPE
[]	1 TC03014	CABLE KIT
[]	2 TEP2928-115/80	PAD HEAT ELEMENT - SUMP
[]	1 TLP3039-06-115	INDICATOR LIGHT - 8MM LED
[]	1 TP02770-115	PLUG - SHORE POWER (INLET)
[]	6 TTP2771-115/50	THREADED HEAT ELEMENT - 1 EACH CYLINDER
[]	1 TU02615-115	PLACARD
[]	12 TU02846	SPACER - 0.25 ALUMINUM
[]	40 TU02847	CABLE TIE
[]	1 TWC0001	REGISTRATION / WARRANTY CARD

RELATED DOCUMENTS:

AVAILABLE AT WWW.TANISAIRCRAFT.COM OR CONTACT TANIS AIRCRAFT PRODUCTS.

DOCUMENT NUMBER	DESCRIPTION
TNP2927	INSTRUCTION - PREHEAT KIT INSTALLATION
TNG1000	INSTALLATION GUIDE - STANDARDS REFERENCE
* TCA1000	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
* TPG1000	OPERATING GUIDE
03014	DRAWING - CABLE KIT WIRE DIAGRAM
TN02771	INSTRUCTION - THREADED ELEMENT
TN02788	INSTRUCTION - BONDING PAD ELEMENT
TN03039	INSTRUCTION - INDICATOR LIGHT
* REFER TO DOCUMENT RECORD AND RETAIN AS INDICATED	

FAA APPROVED
CDY
JUN 10 2019

CHICAGO ACO BRANCH
C & A DIVISION

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CHANGE	REV	INIT	DATE
ADD TNG1000 AND UPDATE OPERATING GUIDE TO TPG1000	E	DNE	APR-12-2019
ADD OPTIONS REFERENCES	D	GDO	JAN-10-2017
UPGRADE INDICATOR LIGHT FROM 1026 TO 3039 LED	C	GDO	APR-18-2014
REPLACE AFMS WITH TPG0001 OPERATING GUIDE	B	GDO	FEB-21-2014

CURRENT REV APPROVAL <i>DNE</i>		
DRAWN BY:	DNE	JUL-02-2013
CHECKED BY:	GDO	JUL-02-2013
SCALE:	N/A	(.xlsx format E)



TANIS AIRCRAFT PRODUCTS
GLENWOOD MUNICIPAL AIRPORT
GLENWOOD, MN 56334 USA
+1.952.224.4425

TITLE: ENGINE PREHEAT KIT		
TOP LEVEL DRAWING		
SPEC: N/A		
SUPERSEDES: N/A		
SHEET	1 OF 1	DWG: 02927-115

COLD WEATHER MODIFICATION



P/N: TSP6CYL-2927-230
ENGINE PREHEAT KIT - 230 VOLT

PURPOSE:

TOP LEVEL DRAWING - ELIGIBILITY, PARTS, AND RELATED DOCUMENTS REQUIRED FOR INSTALLATION, OPERATION, AND CONTINUED AIRWORTHINESS.
(REPLACES P/N: TAS75-02 AND TAS100 SERIES 6-CYLINDER KITS)

ELIGIBILITY:

6-CYLINDER CONTINENTAL, FRANKLIN, AND LYCOMING ENGINES, STC SE03309CH AND EASA 10054433.

SUPPLEMENTARY INFORMATION:

- A. START INSTALLATION WITH ITEM INVENTORY AND KIT INSTALLATION INSTRUCTION.
- B. TOOLS HARDWARE AND BONDING SEALANT NOT SUPPLIED REFER RELATED DOCUMENTS.
- C. STANDARD OPTIONS LISTED IN INSTALLATION GUIDE TNG1000.
- D. DOCUMENTS AVAILABLE AT WWW.TANISAIRCRAFT.COM OR CONTACT TANIS AIRCRAFT PRODUCTS.

INCLUDES THE FOLLOWING CHECKED [✓] ITEMS:

QTY	ITEM NUMBER	DESCRIPTION
[]	1 CB911	SOLVENT WIPE
[]	1 TC03014	CABLE KIT
[]	2 TEP2928-230/80	PAD HEAT ELEMENT - SUMP
[]	1 TLP3039-06-230	INDICATOR LIGHT - 8MM LED
[]	1 TP02829-230	RECEPTACLE - CIRCULAR PLUG ADAPTER (OUTLET)
[]	1 TP02980-230	PLUG - SHORE POWER (INLET)
[]	6 TTP2771-230/50	THREADED HEAT ELEMENT - 1 EACH CYLINDER
[]	1 TU02615-230	PLACARD
[]	12 TU02846	SPACER - 0.25 ALUMINUM
[]	40 TU02847	CABLE TIE
[]	1 TWC0001	REGISTRATION / WARRANTY CARD

RELATED DOCUMENTS:

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	TOP LEVEL DRAWING		
	SPEC: N/A		
	SUPERSEDES: N/A		
CURRENT REV APPROVAL:	DRAWN BY: DNE	CHECKED BY: GDO	SCALE: N/A
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SHEET		1 OF 1	DWG: 02927-230