

**TSB2800 SERIES BATTERY HEAT INSTALLATION KITS**

**PURPOSE:** TOP LEVEL DRAWING - ELIGIBILITY, PARTS, AND RELATED DOCUMENTS REQUIRED FOR INSTALLATION, OPERATION, AND CONTINUED AIRWORTHINESS.  
(REPLACES TAS200, TL02762, AND TLP2762, SERIES, TB02800, TL02974, TLS3081)

**ELIGIBILITY:** PMA/STC SUBCOMPONENT PART

**SUPPLEMENTARY INFORMATION:**

- A SUPPLIED SEPARATELY OR NEXT HIGHER ASSEMBLY (NHA):  
PLUG AND POWER INDICATOR LIGHT - REFER TO CABLE KIT DWG 03116 FOR CIRCUIT LAYOUT  
BATTERY HEAT ELEMENT(S) - SEE SHEET 2 FOR LISTING OF APPROVED ELEMENTS  
B SUBSTITUTION OPTION: REPLACE P/N: TLP3046-05 WITH P/N: TLP3046-10 (OPEN ON RISE ABOVE +10°C).  
C STANDARD OPTIONS LISTED IN INSTALLATION GUIDE TNG1000.

**INCLUDES THE FOLLOWING CHECKED [ ✓ ] ITEMS:**

QTY	ITEM NUMBER	DESCRIPTION
[ ]	<b>TSB2800-1</b>	BATTERY HEAT INSTALLATION KIT - 1 BATTERY
[ ]	1 CB92	ADHESIVE KIT - CABLE-TIE ANCHOR (CHECK EXPIRATION DATE)
[ ]	1 TCB3116-1	CABLE KIT - (1-BATTERY CONTROL ASSEMBLY)
[ ]	1 TLP3046-05	THERMAL CONTROL (OPEN ON RISE ABOVE +5°C)
[ ]	2 TU02782	ANCHOR - CABLE-TIE (THERMAL CONTROL AND AS NEEDED)
[ ]	20 TU02847	CABLE-TIE
[ ]	<b>TSB2800-2</b> (ALT P/N:TSB2800)	BATTERY HEAT INSTALLATION KIT - 2 BATTERY
[ ]	1 CB92	ADHESIVE KIT - CABLE-TIE ANCHOR (CHECK EXPIRATION DATE)
[ ]	1 TCB3116-2	CABLE KIT - (2-BATTERY CONTROL ASSEMBLY)
[ ]	1 TLP3046-05	THERMAL CONTROL (OPEN ON RISE ABOVE +5°C)
[ ]	2 TU02782	ANCHOR - CABLE-TIE (THERMAL CONTROL AND AS NEEDED)
[ ]	20 TU02847	CABLE-TIE
[ ]	<b>TSB2800-3</b>	BATTERY HEAT INSTALLATION KIT - 3 BATTERY
[ ]	1 CB92	ADHESIVE KIT - CABLE-TIE ANCHOR (CHECK EXPIRATION DATE)
[ ]	1 TCB3116-3	CABLE KIT (3-BATTERY CONTROL ASSEMBLY)
[ ]	2 TLP3046-05	THERMAL CONTROL (OPEN ON RISE ABOVE +5°C)
[ ]	3 TU02782	ANCHOR - CABLE-TIE (THERMAL CONTROL AND AS NEEDED)
[ ]	40 TU02847	CABLE-TIE

**RELATED DOCUMENTS:**

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

DOCUMENT NUMBER	DESCRIPTION
TN02800	INSTRUCTION - BATTERY HEAT KIT INSTALLATION
TNG1000	INSTALLATION GUIDE - STANDARDS REFERENCE
* TCA1000	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
* TPG1000	OPERATING GUIDE
03116	DRAWING - CABLE KIT WIRE DIAGRAM
TN02782	INSTRUCTION - CLICK BOND KIT (CB92 ADHESIVE KIT)
TN03046	INSTRUCTION - THERMAL CONTROL

\* REFER TO DOCUMENT RECORD AND RETAIN AS INDICATED

INFORMATION CONTAINED IN THIS DOCUMENT AND ALL OTHER ASSOCIATED DOCUMENTS IS PROPRIETARY AND SHALL NOT BE REPRODUCED OR DISCLOSED IN WHOLE OR IN PART OR USED FOR ANY DESIGN OR MANUFACTURE WITHOUT DIRECT WRITTEN AUTHORIZATION FROM TANIS AIRCRAFT PRODUCTS.

CURRENT REV APPROVAL:	
DRAWN BY:	GDO OCT-11-2010
CHECKED BY:	DNE OCT-11-2010
SCALE:	N/A .xlsx TSH format I



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

DEFINE 1, 2, AND 3, BATTERY KITS ADD SHEET 2 W/ HEAT ELEMENT LISTING	M	DNE	NOV-16-2022
ADD 3336 AND 3337 18X3 ELEMENTS	L	DNE	FEB-04-2021
ADD 3311 WIDE	K	DNE	MAY-04-2020
ADD CAUTION AND 1000 SERIES DOCUMENTS	J	DNE	APR-16-2020
CHANGE	REV	INIT	DATE
TITLE: <b>INSTALLATION KIT - BATTERY HEAT</b>			
SPEC:		90000	
SUPERSEDES:		N/A	
SHEET: 1 OF 2		DWG: 02800	

**TSB2800 SERIES BATTERY HEAT INSTALLATION KITS**

**APPROVED BATTERY HEAT ELEMENT LISTING: (AS OF DOCUMENT REVISION)**

**⚠ CAUTION:** WITHOUT ENGINEERING APPROVAL **DO NOT** USE ANY OTHER ELEMENT TO HEAT BATTERY THAN LISTED.  
LITHIUM-ION BATTERIES REQUIRE SPECIFIC HEAT ELEMENTS SEE DESCRIPTION

PART NO:	DESCRIPTION
<b>115-VOLT BATTERY HEAT ELEMENTS</b>	
TBP3304-11-115/30	BATTERY HEAT ELEMENT (11.5x3.5 in / 29x9 cm)
TBP3042-15-115/10	BATTERY HEAT ELEMENT (15x2.37 in / 38x6 cm)
TBP3034-18-115/20	BATTERY HEAT ELEMENT (18x2.37 in / 46x6 cm)
TBP2854-18-115/31	BATTERY HEAT ELEMENT (18x3 in / 46x8 cm)
TBP3336-18-115/30	BATTERY HEAT ELEMENT (18x3 in / 46x8 cm)
TBP3337-18-115/40	BATTERY HEAT ELEMENT (18x3 in / 46x8 cm)
TBP2643-22-115/42	BATTERY HEAT ELEMENT (22.5x4 in / 57x10 cm)
TBP2966-28-115/60	BATTERY HEAT ELEMENT (28.5x3.25 in / 72x8 cm) NARROW
TBP2644-28-115/52	BATTERY HEAT ELEMENT (28.5x4 in / 72x10 cm)
TBP3372-28-115/25	BATTERY HEAT ELEMENT (28.5x4 in / 72x10 cm) LITHIUM-ION
TBP2647-31-115/60	BATTERY HEAT ELEMENT (31.5x3.5 in / 80x9 cm) NARROW
TBP2646-31-115/60	BATTERY HEAT ELEMENT (31.5x4 in / 80x10 cm)
TBP3086-31-115/75	BATTERY HEAT ELEMENT (31.5x4 in / 80x10 cm)
TBP3311-36-115/90	BATTERY HEAT ELEMENT (36.5x5 in / 98x13 cm) WIDE
TBP2648-38-115/74	BATTERY HEAT ELEMENT (38.5x4 in / 98x10 cm)
TBP3228-38-115/100	BATTERY HEAT ELEMENT (38.5x5 in / 98x13 cm) WIDE
TBP3375-40-115/45	BATTERY HEAT ELEMENT (40.5x5.2 in / 103x13 cm) TB40 LITHIUM-ION
TEP3033-115/25	PAD HEAT ELEMENT - BATTERY (5x3 in / 13x8 cm)
TEP3136-115/52	PAD HEAT ELEMENT - BATTERY (6x6 in / 15x15 cm)

<b>230-VOLT BATTERY HEAT ELEMENTS</b>	
TBP3304-11-230/30	BATTERY HEAT ELEMENT (11.5x3.5 in / 29x9 cm)
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**ADAPTOR PANELS (NON-HEATED FOR 115V AND 230V EXTENSION AND/OR CUTOUT)**

TB02645-07	ADAPTOR / EXTENSION (7x4 in / 18x10 cm) NON-HEATED
TB03268-09	ADAPTOR / EXTENSION (9x4 in / 23x10 cm) NON-HEATED

INFORMATION CONTAINED IN THIS DOCUMENT AND ALL  
OTHER ASSOCIATED DOCUMENTS IS PROPRIETARY,  
REFER TO SHEET ONE.



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DEFINE 1, 2, AND 3, BATTERY KITS ADD SHEET 2 W/ HEAT ELEMENT LISTING

REV M NOV-16-2022

TITLE: **INSTALLATION KIT -  
BATTERY HEAT**

SPEC: 90000

SUPERSEDES: N/A

SHEET: 2 OF 2 DWG: 02800