

**P/N: TSHR44-2778-115**  
**HELI-PREHEAT KIT - 115 VOLT**

**PURPOSE:**

TOP LEVEL DRAWING: ELIGIBILITY, PARTS, AND RELATED DOCUMENTS REQUIRED FOR  
 INSTALLATION, OPERATION, AND CONTINUED AIRWORTHINESS.  
 (REPLACES TAS100-07-R44 SERIES KITS)

**ELIGIBILITY:**

TCDS: FAA H11NM, TCCA H-97, EASA.IM.R.121  
 ROBINSON HELICOPTER COMPANY: R44, R44 II EQUIPPED WITH ONE LYCOMING O-540-F1B5 OR IO-540-AE1A5.

**SUPPLEMENTARY INFORMATION:** (AV/CABIN AND BATTERY HEATERS SUPPLIED SEPARATELY)

- A. START INSTALLATION WITH ITEM INVENTORY AND PREHEAT KIT INSTALLATION INSTRUCTION.
- B. TOOLS AND HARDWARE NOT SUPPLIED, REVIEW RELATED DOCUMENTS.
- C. ELEMENT BONDING SEALANT NOT SUPPLIED REQUIRES 2.0 TO 3.0 OZ. TU02788 REFER TO TN02788.
- D. STANDARD OPTIONS LISTED IN INSTALLATION GUIDE TNG1000.

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

QTY	ITEM NUMBER	DESCRIPTION
[ ]	7 CB911	SOLVENT WIPE
[ ]	1 TCH2777	CABLE KIT
[ ]	1 TEP2709-115/23	PAD HEAT ELEMENT - HYD RES
[ ]	1 TEP2711-115/70	PAD HEAT ELEMENT - MRGB
[ ]	1 TEP2742-115/23	PAD HEAT ELEMENT - TRGB
[ ]	1 TEP3166-115/80	PAD HEAT ELEMENT - ENGINE OIL SUMP
[ ]	2 TEP3179-115/40	PAD HEAT ELEMENT - OIL COOLERS
[ ]	1 TEP3190-115/120	PAD HEAT ELEMENT - ENGINE CASE
[ ]	1 TLP3039-06-115	INDICATOR LIGHT - 8MM LED
[ ]	1 TP02770-115	PLUG - SHORE POWER (INLET)
[ ]	6 TTP2771-115/50	THREADED HEAT ELEMENT - ENGINE CYL HEAD
[ ]	1 TU01062	CIRCULAR PLUG BRACKET KIT (W/LIGHT TAB)
[ ]	1 TU02615-115	PLACARD
[ ]	80 TU02847	CABLE-TIE
[ ]	1 TWC0001	REGISTRATION / WARRANTY CARD

**RELATED DOCUMENTS:**

AVAILABLE AT [WWW.TANISAIRCRAFT.COM](http://WWW.TANISAIRCRAFT.COM) OR CONTACT TANIS AIRCRAFT PRODUCTS.

DOCUMENT NUMBER	DESCRIPTION
TNH2778	INSTRUCTION - PREHEAT KIT INSTALLATION
TNG1000	INSTALLATION GUIDE - STANDARDS REFERENCE
* TCA1000	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
* TPG1000	OPERATING GUIDE
02777	DRAWING - CABLE KIT WIRE DIAGRAM
TN01062	INSTRUCTION - CIRCULAR PLUG BRACKET
TN02771	INSTRUCTION - THREADED ELEMENT
TN02788	INSTRUCTION - BONDING PAD ELEMENT
TN02793	INSTRUCTION - CONNECTOR
TN03039	INSTRUCTION - INDICATOR LIGHT

\* 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	SEP-16-2010
CHECKED BY:	DNE	SEP-17-2010
SCALE:	N/A	



**TANIS AIRCRAFT PRODUCTS**  
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ELEMENT UPDATE ADD 1000 SERIES DOCUMENTS	H	DNE	JUN-15-2020
CHANGE TRGB AND SUMP ELEMENTS, ADD TU01062	G	GDO	APR-21-2016
STANDARDIZE CONNECTORS AND DESCRIPTIONS	F	DNE	APR-21-2015
CHANGE INDICATOR LIGHT 1026 TO 3039 SERIES	E	GDO	FEB-17-2015
CHANGE	REV	INIT	DATE
TITLE: HELI-PREHEAT KIT			
TOP LEVEL DRAWING			
SPEC: N/A			
SUPERSEDES: N/A			
SHEET	1 OF 1	DWG:	02778-115