

**P/N: TSHR66-3078-115**  
**HELI-PREHEAT KIT - 115 VOLT**

**PURPOSE:**

TOP LEVEL DRAWING - ELIGIBILITY, PARTS, AND RELATED DOCUMENTS REQUIRED FOR  
INSTALLATION, OPERATION, AND CONTINUED AIRWORTHINESS.

**ELIGIBILITY:** TCDS: FAA R00015LA, EASA NO.EASA.IM.R.507.

ROBINSON HELICOPTER COMPANY: R66, WITH ONE ROLLS-ROYCE 250-300/A1 ENGINE.

**SUPPLEMENTARY INFORMATION:** W/BATTERY HEATER STANDARD B237-7 (RG24-20), ALT. B237-8 (RG-325 VARLA-AGM)

- A. START INSTALLATION WITH ITEM INVENTORY AND KIT INSTALLATION INSTRUCTION.
- B. BONDING SEALANT, TOOLS, AND HARDWARE, NOT SUPPLIED REFER RELATED DOCUMENTS.
- C. ALTERNATE: MRGB SUMP ELEMENT TEP3179-115/40 FOR TEP3180-115/50 REFER TO TNH3078.
- D. OPTIONAL PLUG DOOR KITS SUPPLIED SEPARATELY REFER TO DRAWINGS 02840 AND 03097.
- E. OPTIONAL AV/CABIN HEATER THP3094-500 SUPPLIED SEPARATELY REFER TO INSTRUCTION TN03094.
- F. STANDARD OPTIONS LISTED IN INSTALLATION GUIDE TNG1000.

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

QTY	ITEM NUMBER	DESCRIPTION
[ ]	9 CB911	SOLVENT WIPE (ELEMENT INSTALLATION)
[ ]	1 CB92	CABLE ANCHOR INSTALLATION KIT - (CHECK EXPIRATION DATE)
[ ]	1 TCH3077	CABLE KIT
[ ]	1 TEP2661-115/10	PAD HEAT ELEMENT - FCU
[ ]	1 TEP2672-115/37	PAD HEAT ELEMENT - MRGB OIL COOLER
[ ]	1 TEP2709-115/23	PAD HEAT ELEMENT - HYD RES
[ ]	1 TEP2742-115/23	PAD HEAT ELEMENT - TRGB
[ ]	1 TEP3033-115/25	PAD HEAT ELEMENT - BATTERY HEATER
[ ]	2 TEP3166-115/80	PAD HEAT ELEMENT - 1-ENG AGB LH, 1-ENG AGB RH
[ ]	1 TEP3179-115/40	PAD HEAT ELEMENT - ENG OIL COOLER
[ ]	2 TEP3180-115/50	PAD HEAT ELEMENT - 1-ENG OIL TANK, 1-MRGB SUMP
[ ]	1 TG01056	FIREPROOF GROMMET
[ ]	1 TLP3039-06-115	INDICATOR LIGHT
[ ]	1 TLP3046-05	THERMAL CONTROL +5°C
[ ]	1 TP02770-115	PLUG - SHORE POWER (INLET)
[ ]	1 TU01062	CIRCULAR PLUG BRACKET KIT (INCLUDES LIGHT BRACKET)
[ ]	1 TU02615-115	SYSTEM PLACARD
[ ]	1 TU02782	CABLE TIE ANCHOR (BATTERY THERMAL CONTROL)
[ ]	80 TU02847	CABLE TIE
[ ]	1 TU02855	PRESSURE BLOCK - FCU/HMU ELEMENT INSTALLATION

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:	DNE NOV-20-2014
CHECKED BY:	GDO NOV-20-2014
SCALE:	N/A



**TANIS AIRCRAFT PRODUCTS**  
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TURBINE ELEMENTS 1000 SERIES DOCUMENTS	E	DNE	DEC-04-2019
ECR 2016-0016	D	GDO	AUG-15-2016
INCLUDE BATTERY HEAT	C	GDO	JUN-10-2016
CONFIGURED PER QUALIFICATION FITTING	B	DNE	FEB-18-2015
CHANGE	REV	INIT	DATE
TITLE: <b>HELI-PREHEAT KIT</b>			
TOP LEVEL DRAWING			
SPEC:		90000	
SUPERSEDES:		N/A	
SHEET: 1 OF 2		DWG: 03078-115	

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**RELATED DOCUMENTS:**

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

DOCUMENT NUMBER	DESCRIPTION
TNH3078	INSTRUCTION - PREHEAT KIT INSTALLATION
TNG1000	INSTALLATION GUIDE - STANDARDS REFERENCE
* TCA1000	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS
* TPG1000	OPERATING GUIDE
03077	DRAWING - CABLE KIT WIRE DIAGRAM
TN01056	INSTRUCTION - FIREPROOF GROMMET
TN01062	INSTRUCTION - CIRCULAR PLUG BRACKET
TN02788	INSTRUCTION - BONDING PAD ELEMENT
TN02793	INSTRUCTION - CONNECTOR
TN02855	INSTRUCTION - FCU/HMU ELEMENT INSTALLATION
TN03012	INSTRUCTION - JUNCTION
TN03039	INSTRUCTION - INDICATOR LIGHT
TN03046	INSTRUCTION - THERMAL CONTROL (BATTERY HEATER)

\* REFER TO DOCUMENT RECORD AND RETAIN AS INDICATED

INFORMATION CONTAINED IN THIS DOCUMENT AND ALL  
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REFER TO SHEET ONE.



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TURBINE ELEMENTS 1000 SERIES DOCUMENTS

REV

E

DEC-04-2019

TITLE: **HELI-PREHEAT KIT**

TOP LEVEL DRAWING

SPEC: 90000

SUPERSEDES: N/A

SHEET: 2 OF 2 DWG: 03078-115