COLD WEATHER MODIFICATION
PRECONDITION / PREHEAT
P/N: TSHAW109-3134-230
HELI-PREHEAT KIT - 230 VOLT
FAA-TCDS H7UE: A109E, A109S, AW109SP W/PW206/207
(REPLACES TAS300-17A AND TS02219 DWG 2219)

INCLUDES THE FOLLOWING CHECKED [✓] ITEMS:

	QTY	ITEM NUMBER	DESCRIPTION
DOCUMENTS:			
	1	02933	DRAWING - TAILBOOM BRACKET KIT
	1	02935	DRAWING - SHORE POWER KIT
	1	03125	DRAWING - FIREWALL CONNECTOR KIT
	1	03135	DRAWING - CABLE KIT WIRE DIAGRAM
	1	03139	DRAWING - PLUG MOUNTING BOX MODIFICATION
	1	TN02070	INSTRUCTION - FLUSH MOUNT PLUG (INLET)
	1	TN02533	INSTRUCTION - FLUSH MOUNT PLUG W/CAP (2988 AC OUTLET)
	1	TN02782	INSTRUCTION - CLICK BOND MOUNT
	1	TN02793	INSTRUCTION - CONNECTOR
	1	TN02800	INSTRUCTION - BATTERY HEAT INSTALLATION
	1	TN02829	INSTRUCTION - CIRCULAR PLUG ADAPTER (OUTLETS AND INLETS)
	1	TN02991	INSTRUCTION - DOOR SWITCH
	1	TN03039	INSTRUCTION - INDICATOR LIGHT
	1	TN03094	INSTRUCTION - AV/CABIN HEATER
	1	TNDC730	INSTRUCTION - BONDING (REQUIRES DC 730 SEALANT)
	1	TNH3134	INSTRUCTION - PREHEAT INSTALLATION
	1	TNG1000	INSTALLATION GUIDE - STANDARDS REFERENCE
	1	TCA1000	INSTRUCTIONS FOR CONTINUED AIRWORTHINESS - ICA
	1	TPG1000	OPERATING GUIDE
[ ]	1	TWC0001	REGISTRATION / WARRANTY CARD
COMPONENTS:			
[ ]	20	CB911	SOLVENT WIPE - ELEMENT INSTALLATION
[ ]	1	CB92	INSTALLATION KIT - CLICK BOND MOUNT (CHECK EXPIRATION DATE)
[ ]	1	TB02645-07	BATTERY ADAPTOR PANEL - 7 X 4 INCH
[ ]	1	TBP3086-31-230/75	BATTERY HEAT ELEMENT - 31 X 4 INCH
[ ]	1	TCH3135	CABLE KIT
[ ]	1	TD02935	SHORE POWER KIT - 3 PLACE
[ ]	2	TEN2656-42-230/80	PAD HEAT ELEMENT - RH AGB EACH ENGINE
[ ]	2	TEN2703-42-230/65	PAD HEAT ELEMENT - LH AGB EACH ENGINE
[ ]	2	TEN2743-42-230/23	PAD HEAT ELEMENT - FCU EACH ENGINE
[ ]	3	TEP2656-230/80	PAD HEAT ELEMENT - LH AND RH MRGB AND LOWER FRT MRGB
[ ]	2	TEP2704-230/40	PAD HEAT ELEMENT - LH AND RH C-BOX INPUTS
[ ]	1	TEP2710-230/25	PAD HEAT ELEMENT - AFT HYD TANK (LARGE)
[ ]	1	TEP2866-230/70	PAD HEAT ELEMENT - LH AFT MRGB
[ ]	1	TEP2896-230/18	PAD HEAT ELEMENT - FWD HYD TANK (SMALL)
[ ]	1	TEP2897-24-230/35	PAD HEAT ELEMENT - TRGB
[ ]	3	TEP3179-230/40	PAD HEAT ELEMENT - LH AND RH ENG, AND MRGB COOLER
[ ]	1	THP3094-500	AV/CABIN HEATER - FWD AVIONIC HOLD
[ ]	2	TLP3039-06-230	INDICATOR LIGHT, 8MM LED - 230 VOLT
[ ]	2	TP02829-230	RECEPTACLE - CIRCULAR SHORE POWER ADAPTER (OUTLET)
[ ]	2	TP02839-S-230	PLUG - SHORE POWER (INLET) - 230 VOLT
[ ]	1	TP02980-230	PLUG - CIRCULAR ADAPTER (AC INLET) - 230 VOLT
[ ]	1	TP02988-230	RECEPTACLE - FLUSH PLUG W/CAP (AC OUTLET) - 230 VOLT
[ ]	1	TU02615-230	PLACARD - SYSTEM - 230 VOLT
[ ]	1	TU02782	CLICK BOND CABLE MOUNT (BATTERY HEAT THERMAL CONTROL)
[ ]	80	TU02847	CABLE TIE
[ ]	1	TU02933	TAILBOOM CONNECTOR KIT
[ ]	1	TU03119-01	PLACARD - AV/CABIN HEATER
[ ]	2	TU03125	FIREWALL CONNECTOR KIT - DISMOUNTABLE POWER PLANT
[ ]	4	W23-X1A1G-10	BREAKER - 10A

OPTIONS: AVIONICS HEATER TEP3188-230/20 OR SIMILAR ADDITIONAL OPTIONS REF TNH3134

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CHANGE	REV	INIT	DATE
UPDATE TO 1000 SERIES DOCUMENTS	C	GDO	NOV-07-2023
REVISE MRGB AND OIL COOLER ELEMENTS	B	DNE	MAY-24-2017
INITIAL RELEASE	A	DNE	MAR-16-2016

CURRENT REV APPROVAL	Digitally signed by Dirk Ellis Date: 2023.11.08 14:35:14 -05'00' Adobe Acrobat version: 2020.009.20074	
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SCALE:	N/A	.xlsx TSH format G

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Title:	HELI-PREHEAT KIT (TOP-LEVEL DRAWING)		
SPEC:	90000		
SUPERSEDES:	N/A		
SHEET: 1 OF 1		DWG:	03134-230