

CONFIGURE PER INSTALLATION

The diagram illustrates the wiring for the TANIS AV/CABIN HEATER. Key components and connections include:

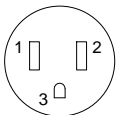
- (PLUG - INLET)**: A three-pin inlet plug labeled 'P' with terminals 1, 2, and 3.
- TANIS AV/CABIN HEATER**: The main heating unit.
- SPARE**: A spare connection point.
- (CAP WHEN NOT IN USE)**: A cap for the spare connection.
- (12-AMP)**: A 12-amp circuit breaker or fuse.
- (18)**: A ground connection point.
- (BLK) (WHT) (GRN)**: Wire color codes for power, ground, and neutral respectively.
- (120)**: Voltage specification for the power supply.
- (12)**: A terminal or connection point for the heater.
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OPTIONAL OUTLET PLUG CONFIGURATION:
LOCATION TBD BY INSTALLER.
GROUND/BOND AC POWER OUTLET TO AIRFRAME AND PLACARD.

PLUG - AC OUTLET: (PLACARD FIELD FABRICATED)
PLACARD 115 VOLT:
115 VOLT MAX LOAD 800 WATTS 7 AMPS.
PLACARD 230 VOLT:
230 VOLT MAX LOAD 1500 WATTS 7 AMPS.
NOTE: CIRCUIT LOAD NOT TO EXCEED 90% OF CIRCUIT PROTECTION DEVICE (CPD):

CORRESPONDING PLUG (INLET) BY APPLICABLE AIRCRAFT MANUFACTURERS PROCEDURES.

1. TERMINATE ARROWED WIRES AS INDICATED.
2. ACCEPTABLE TO CUT, TERMINATE AND/OR RE TERMINATE.
3. INSTALL SEALING CAP ON LEADS NOT IN USE.
4. CPD (CIRCUIT PROTECTION DEVICE) NOT TO EXCEED 12 AMPS.
5. WIRING IN PARALLEL.
6. NEC/NEMA COLOR CODE.



A diagram of a circular cell. Inside the circle, there are three rectangular structures labeled 1 and 2, and one oval structure labeled 3. Structure 1 is on the left, structure 2 is on the right, and structure 3 is at the bottom center.

1. "BLK" TO BRASS OR BLACK SCREW.
2. "WHT" TO SILVER SCREW.
3. "GRN" TO GREEN GROUND SCREW.

1. MATERIALS SUPPLIED IN BULK.
2. LABELS PER DRAWING.
3. BAG LABELS AND GROUND WIRE.
4. MATERIAL LIST MFG COLUMN - PKG FOR FIELD USE.

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13	1	TU03119-01	1	PLACARD - AV/CABIN HEATER	TANIS PART (ALT: LABEL WITH SAME OR SIMILAR STATEMENT MAY BE USED)	1
12	1	THP3094-500	1	AV/CABIN HEATER	TANIS PART - (MAY VARY)	
11	1	VARIES	1	PLUG - AC OUTLET (RECEPTACLE)	TANIS PART	
10	1	TU03125	1	FIREWALL CONNECTOR KIT - 6 CONTACT	TANIS PART - NON PRESSURE BULKHEAD FITTING	
9	1	TCP2598	1	PIN CONNECTOR KIT - 2 CONTACT	TANIS PART	1
8	1	TCS2598	3	SOCKET CONNECTOR KIT - 2 CONTACT	TANIS PART	3
7	1	22759-182	120	18 GAUGE - 2 CONDUCTOR	TANIS - BLK/WHT IN JACKET (LENGTH INCHES)	120
6	1	TU03141-B	1	DUAL FUSE KIT - W/BRACKET (CPD)	TANIS PART - W/12-AMP FUSES (ALT: CPD AS APPLICABLE)	1
5	1	MS25036-103	1	RING TERMINAL - GROUND	#10 CRIMP TERMINAL	1
4	1	22759-181	18	18 GAUGE - 1 CONDUCTOR GROUND (GRN)	TANIS PART GREEN (WIRE - LENGTH INCHES)	18
3	1	DT04-2P-C017	1	SEALING CAP - SOCKET CONNECTOR	GREY	1
2	1	VARIES	1	INDICATOR LIGHT	TANIS PART	
1	1	VARIES	1	PLUG - SHORE POWER INLET	TANIS PART	
ITEM	SHT	PART NUMBER	QTY	DESCRIPTION	SPECIFICATIONS	MFG
MATERIAL LIST						
CURRENT REV APPROVAL:				DRAWN BY	DIRK ELLIS	AUG-02-2016
D	UPDATE MFG NOTE, ECR 2017-0006,	AUG-31-2017	GDO	CHECKED BY	GLEN OLIN	AUG-02-2016
C	CHANGE CPD TO 3141-B	NOV-21-2016	DNE	SCALE	NOT TO SCALE	PART NUMBER: TC03159
B	ECR 2016-0017	AUG-18-2016	GDO	 TANIS AIRCRAFT PRODUCTS GLENWOOD MUNICIPAL AIRPORT GLENWOOD, MN 56334 USA +1.952.224.4425	SPEC: 90000	
A	INITIAL RELEASE	AUG-02-2016	DNE		SUPERSEDES: N/A	
REV.	CHANGE	DATE	INIT		DRAWING: 03159	
					SHEET: 1 OF 1	