

INSTRUCTION – RECEPTACLE

TN02829

Outlet (plug adaptor) installation

RECORD OF REVISIONS

(When updated, this document is changed in its entirety)

REV	DATE	DESCRIPTION	BY	APPROVAL
C	DEC-15-2015	Add outlet reference and Appendix w/Figures	DNE	
B	OCT-01-2014	Change description section.	GDO	DNE
A	APR-15-2014	Initial release	GDO	DNE

PURPOSE

Provide guidance for installation of TP02829-230 plug receptacle (outlet / socket connector).

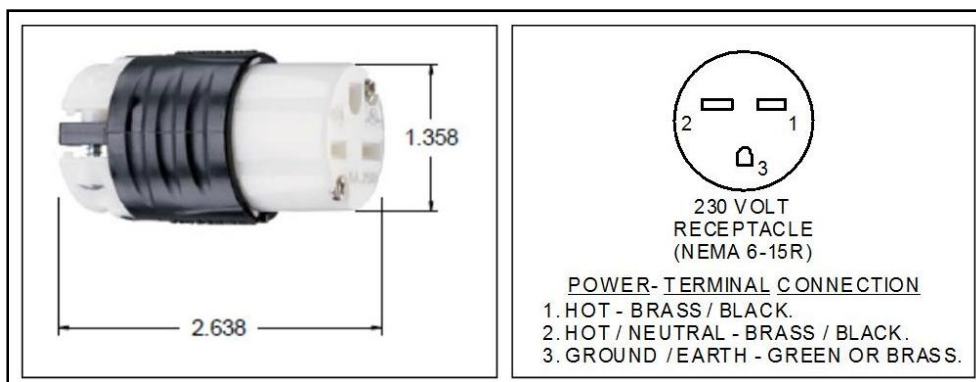


Figure 1 - Plug Receptacle (outlet), and socket contacts callouts viewed from face/front.

REQUIREMENTS

- TP02829-230 - Plug Receptacle (outlet)
- Extension cord of appropriate gauge and configuration for intended country of operation.

INSTALLATION



CAUTION: Extension cord is to be disconnected/unplugged from power source.

1. Reference Appendix A for general outline.
2. Prepare extension cord - if required – by remove existing outlet connector.
3. Prepare outlet by loosening rear cord clamp screws and removing (white) front outlet section by loosening screws on face of connector.
4. Thread cable through rear cord clamp, if cable is too large remove bushing and discard.
5. Prepare cable by trimming/removing 2.25 cm (7/8 in) of jacket and strip 0.30 cm (5/16 in) of insulation from each wire and twist strands - DO NOT TIN.
6. Connect wires to rear of outlet section by insert earth/ground wire under green screw clamp (3), Live/neutral (hot or neutral) wire under brass screw clamp (2), Live (hot) wire under brass screw clamp (1), and tighten securely. No loose strands.
7. For added strain relief wrap cable at clamp contact area with self fusing tape (SFT or F-4).
8. Assemble by sliding clamping section over cable to align with outlet section, tighten screws on face of outlet securing clamping and outlet sections and tighten cord clamp screws.

PROPRIETARY DATA

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APPENDIX A

Outline - 230 Volt power cord configuration

Reference applicable Tanis system Operating Guide for proper cord gauge selection.

- For global standardization non-locking blade type NEMA series connectors are used for connecting power to the aircraft.
- Customer/operator supplies the extension cord configured for country of operation.
- Tanis outlet (TP02829-230 plug receptacle) is installed replacing outlet end of the customer/operator supplied extension cord.
- Figures A, B, and C, below depict typical cord configuration procedure.
- Installation procedures detailed Installation section steps 1 through 8.

Note: Tanis supplied outlet connector is commonly referred to as an adapter or plug receptacle. It does not convert power it adapts/configures shore power cord to connect with 230 Volt Tanis systems.

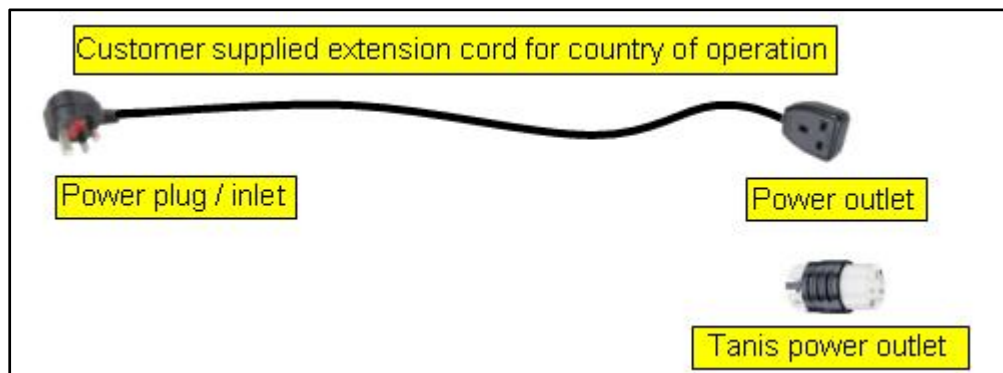


Figure A - Extension cord parts layout.

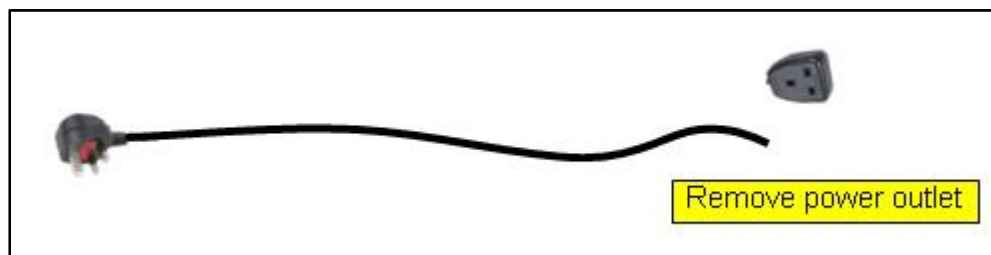


Figure B - Cord preparation.

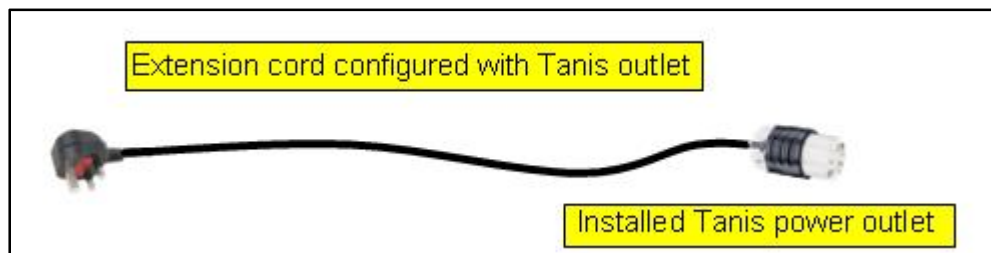


Figure C - Configured shore power connection.