

RECEPTACLE NUMBER	CONTACT NUMBER		WIRE SIZE	WIRE INSULATION DIAMETER	HAND CRIMPING TOOL NUMBER	EXTRACTION TOOL NUMBER
	STRIP	LOOSE PIECE				
206637-1	206638-2	206638-3	20 to 16 AWG [0.50 to 1.43]	.080 to .135 [2.03 to 3.43]	90315-1	91106-1

FIGURE 1

1. INTRODUCTION

This instruction sheet (IS) covers the assembly of the AMP Power Cord Receptacle shown in Figure 1. Read these instructions, and those referenced, before starting assembly.

NOTE

Wire sizes and other dimensions are given in American Standards. The metric equivalents are enclosed in brackets [] directly under the American Standard.

2. DESCRIPTION

These polarized one-piece receptacles conform to the international configuration for 6 amp appliance inlets. The receptacles mate with power cord plugs conforming to the same international configuration.

The contact cavities are coded to ensure wiring in accordance with standard wiring codes. Note that the ground contact cavity is deeper than the other contact cavities, ensuring grounding of the unit before the circuits are activated.

Mounting flanges provide the means of mounting the receptacle to the electrical unit. Refer to Paragraph 4 for the proper mounting procedure.

3. CONTACTS

Selection – Refer to the chart in Figure 1, and then (1) select strip form contacts for machine crimping, or (2) loose piece contacts for hand tool crimping. Select wire within the specified size and insulation diameter.

Crimping – Strip form contacts are designed to be crimped with a miniature applicator used in an automatic or semi-automatic machine. Consult your local AMP representative for assistance in selecting the applicator and machine that will best suit your needs.

Loose piece contacts are designed to be crimped with AMP Hand Crimping Tool 90315-1. Refer to Instruction Sheet IS 7691, packaged with the tool, for the proper crimping procedure.

Insertion – An insertion tool is NOT required for inserting contacts into these receptacles. To insert a contact, proceed as follows:

1. Align contact with REAR of contact cavity. Note that contact can be oriented as shown in Figure 2, or rotated 180 degrees with stabilizers turned downward.

2. Push contact straight into cavity until it bottoms. Pull back lightly on wire to be sure locking lances have locked in cavity.

NOTE

The contacts are designed for multiple insertions and extractions. If a contact does NOT lock in the cavity, reset the locking lances and re-insert the contact.

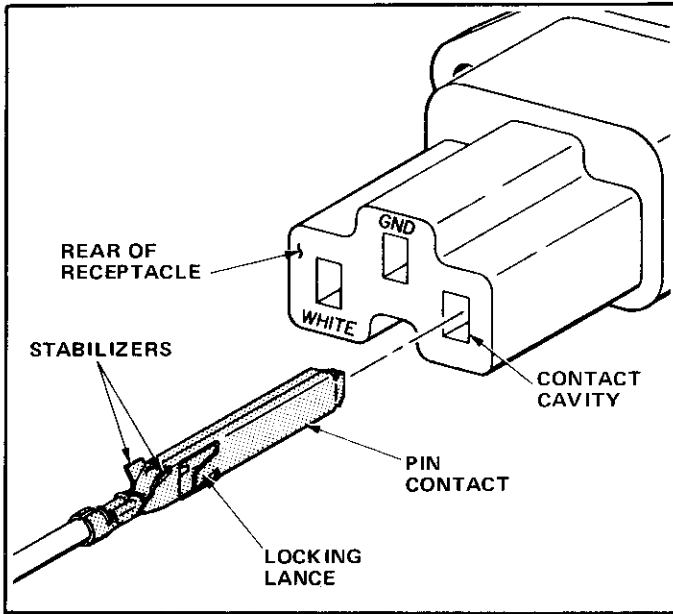


FIGURE 2

Extraction – AMP Extraction Tool 91106-1 is designed for removing contacts from these receptacles. To remove a contact, align tool tips with FRONT of receptacle as shown in Figure 3. Insert tips into slots until tool bottoms. Grasp wire and pull contact out REAR of receptacle. Refer to Instruction Sheet IS 7711, packaged with the tool, for specific extraction procedures.

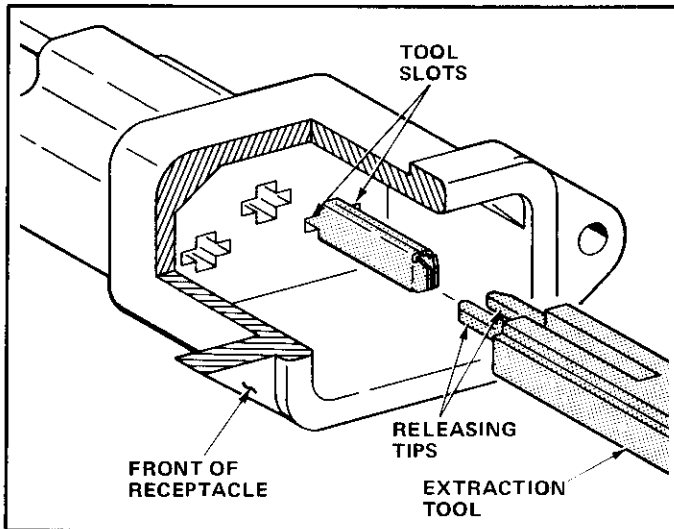


FIGURE 3

4. MOUNTING PROCEDURES

The receptacle is designed to be FRONT mounted to either a panel or rack of the electrical unit.

For panel mounting, make a cutout in the panel using the dimensions provided in Figure 4(A). Mount the receptacle to the FRONT of the panel using suitable hardware (screws, nuts and bolts, rivets, etc).

For rack mounting, the inside edges of the rack must conform to the dimensions specified in Figure 4(B). Make two mounting holes in the rack, and mount the receptacle to the FRONT of the rack using suitable hardware (screws, nuts and bolts, rivets, etc).

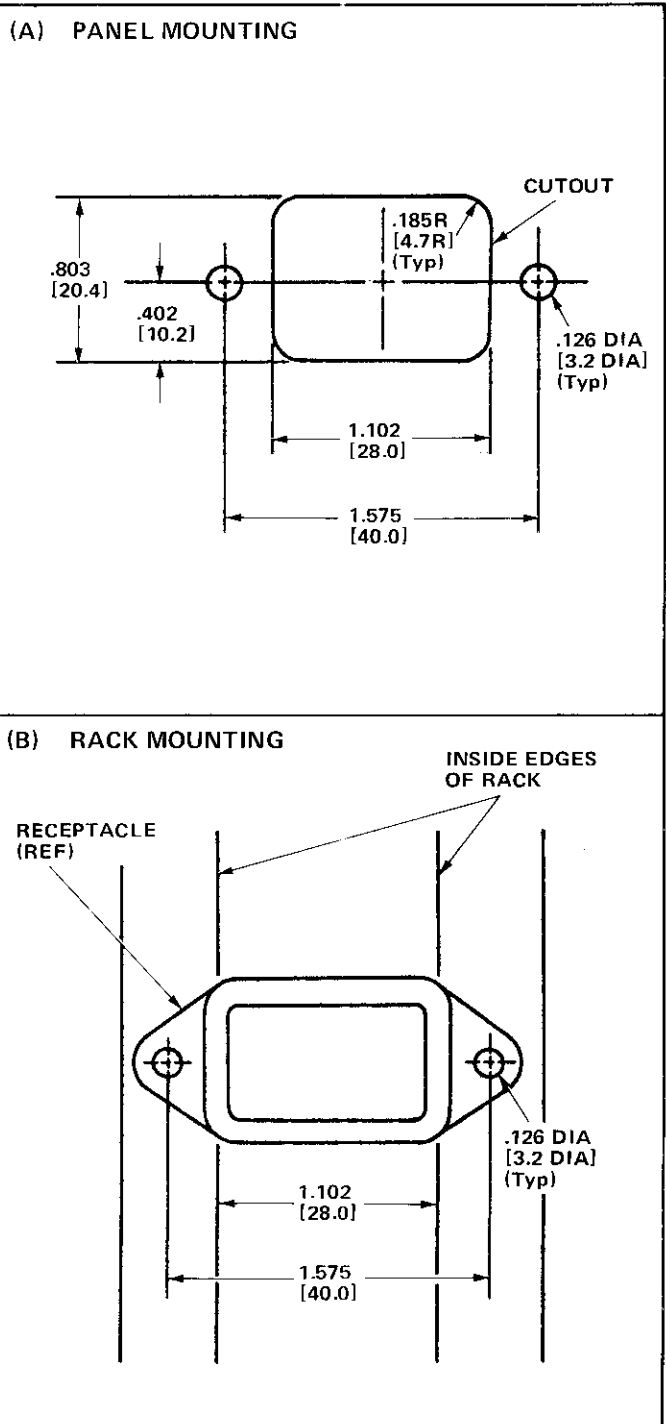


FIGURE 4