30 AMP Replacement female connector body with handle

Instructions for 30A Connector Body – NEMA TT-30:

Disconnect power before wiring

NOTE: Select wire size adequate for load. Refer to NEC tables article 400.
Cord Type: S, SJ, SJO, SO, ST, STO; 0.94-in max cord diameter.
Wire Size: #10 through #12 AWG
Important: Use copper wire only. Do not solder the ends of the wire.

WARNING: DISCONNECT POWER BEFORE WIRING. FAILURE TO WIRE AS INSTRUCTED MAY CAUSE PERSONAL INJURY OR DAMAGE TO DEVICE OR EQUIPMENT. MUST BE INSTALLED BY AN ELECTRICIAN OR QUALIFIED PERSON ONLY. DO NOT USE AT ANY TIME IF HOUSING IS CHIPPED, CRACKED OR BROKEN.

1. Strip cable and wire sheath as shown in Fig. 1. Inspect wire sheath for nicks (cut and re-strip all if nicked).
2. Remove the Cover from the Replacement Connector Body.
3. Remove the Strain Relief Clamp from the Replacement Connector Body.
4. Raise terminal to access screw and clamping pole.
5. Back set screws out of terminals to allow an opening large enough to insert copper wire. As each wire is placed into position, tighten the set screw to secure the wire in place as shown in Fig. 2. Make sure that all individual copper strands of each wire are completely inside of each terminal (twist strands together if needed). Start with the white wire first.
   a. White wire (neutral) to top-right terminal
   b. Black wire (hot) to top-left terminal
   c. Green wire (ground) to bottom-center terminal
6. Make sure wires do not interfere with screw holes or other mating surfaces and then replace the Cover and secure with the three screws provided.
7. Determine the cable size and configure the Strain Relief Clamp appropriately.
   a. For cord sizes 0.37 to 0.59-in diameter (includes flat cables): Use Strain Relief Clamp with Insert oriented as shown in Fig. 3.
   b. For cord sizes 0.59 to 0.75-in diameter: Use Strain Relief Clamp with Insert oriented as shown in Fig. 4.
   c. For cord sizes 0.75 to 0.94-in diameter: Use Strain Relief Clamp with Insert oriented as shown in Fig. 5.
8. Fasten the Strain Relief Clamp to the body with the two screws provided.*

* If the strain relief clamp does not appear to have a secure grip on the cord, remove clamp and apply five wraps of electrical tape to the cord in the area of the clamp grip. Reattach clamp. If grip is still not secure, repeat until secure.

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