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50A NEMA 14-50P Replacement Male Plug/14-50R Female Receptacle

Manual ID: PIM-00000212-V001

WARNING!

Disconnect power before wiring.

NOTE: Select wire size adequate for load. Refer to NEC tables article 400.

CORD TYPE: S, SO, SOO, ST, STO, STOO, SOW, SOOW, STW STOW, STOOW; 1.09-in max cord diameter.

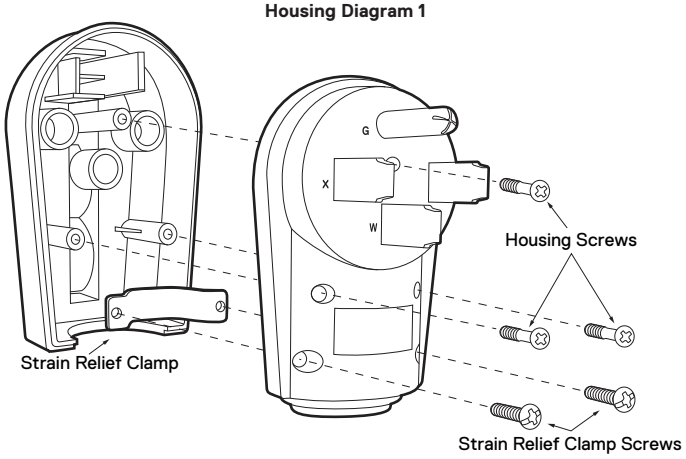
WIRE SIZE: #4 through #10 AWG

IMPORTANT: This is a 50 Amp, 125/250 V RV replacement plug (NEMA 14-50P) replacement receptacle (NEMA 14-50R) for use in dry locations. Use copper wire only.

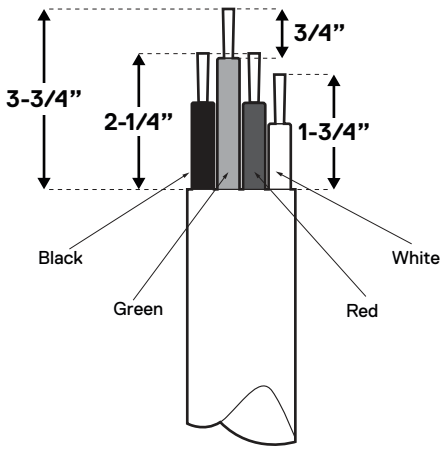
WARNING: DISCONNECT POWER BEFORE WIRING. FAILURE TO WIRE AS INSTRUCTED MAY CAUSE PERSONAL INJURY OR DAMAGE TO DEVICE OR EQUIPMENT. MUST BE INSTALLED BY AN ELECTRICIAN OR QUALIFIED PERSON ONLY. DO NOT USE AT ANY TIME IF HOUSING IS CHIPPED, CRACKED, OR BROKEN.

Male Plug:

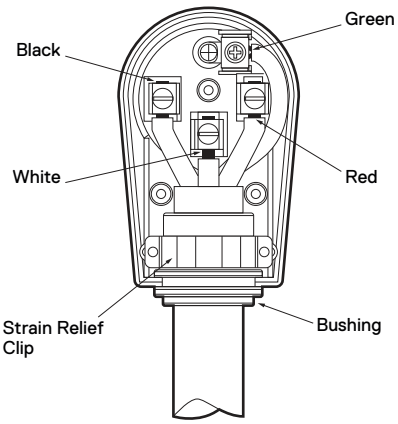
Housing Diagram 1



Wiring Diagram 1



Wiring Diagram 2



Preparing the Cable

1. Remove the original male plug by severing the cable.
2. Strip 3-3/4” of the cable insulation being careful not to cut into the insulation of the internal wires.
3. The internal wires in the colors of BLACK, GREEN, RED, and WHITE should now be exposed.
4. Cut the BLACK and RED wires to 2-1/4” in length.
5. Cut the WHITE wire to 1-3/4” in length.
6. Strip the insulations of all four wires to expose 3/4” worth of the inner stranded copper.
7. Refer to Wiring Diagram 1 for more information.

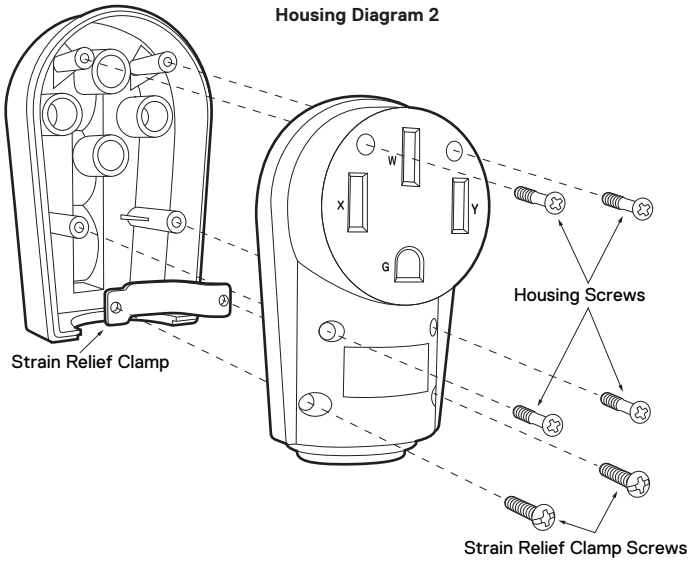
Assembling the New Male Plug

1. Remove the cover by loosening and removing the three screws as indicated on Housing Diagram 1.
2. Loosen the two screws to loosen the strain relief clamp as shown on Housing Diagram 1.
3. Loosen the four terminals and clamps by untightening the screws. Each prong can be removed from the plug by gently applying pressure to the prongs from the outside of the housing.
4. Feed the cable through the bushing and strain relief clamp.
5. Feed each stranded copper wire underneath the terminal clamp as shown in the Wiring Diagram 2.
   NOTE: Make sure all individual copper strands of each wire are tucked underneath the terminal clamp. Twist the strands together if necessary.
6. Proceed on securing each wire to the terminal clamps by tightening the screws and re-seat each of the prongs back into the housing.
7. Make sure all wiring connections are made as indicated on Wiring Diagram 2.
8. Replace and tighten the screws of the strain relief clamp.
9. Replace and tighten the screws to reassemble the male plug.

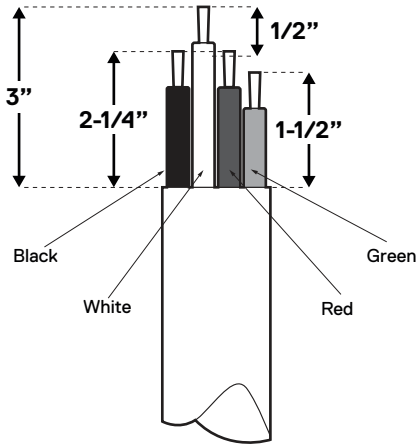
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Female Receptacle:

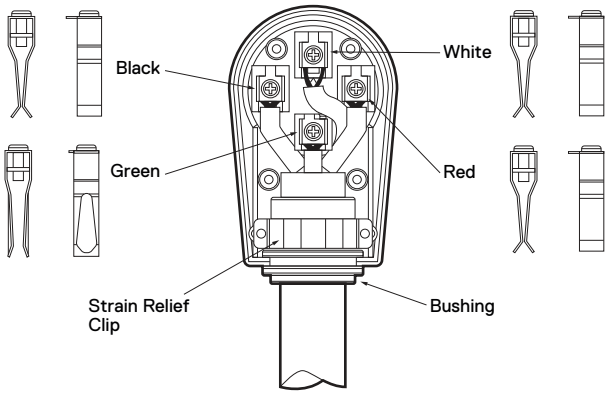
Housing Diagram 2



Wiring Diagram 3



Wiring Diagram 4



Preparing the Cable

1. Remove the original female receptacle by severing the cable.
2. Strip 3” of the cable insulation being careful not to cut into the insulation of the internal wires.
3. The internal wires in the colors of BLACK, GREEN, RED, and WHITE should now be exposed.
4. Cut the GREEN wire to 1-1/2” in length.
5. Cut the BLACK and RED wires to 2-1/4” in length.
6. Strip the insulations of all four wires to expose 1/2” worth of the inner stranded copper.
7. Refer to Wiring Diagram 3 for more information.

Assembling the New Female Receptacle

1. Remove the cover by loosening and removing the four screws as indicated on Housing Diagram 2.
2. Loosen the two screws to loosen the strain relieve clamp as shown on Housing Diagram 2.
3. Loosen the four terminals and clamps by untightening the screws.
4. Feed the cable through the bushing and strain relief clamp.
5. Feed each stranded copper wire underneath the terminal clamp as shown in the Wiring Diagram 4.
   NOTE: Make sure all individual copper strands of each wire are tucked underneath the terminal clamp. Twist the strands together if necessary.
6. Proceed on securing each wire to the terminal clamps by tightening the screws and re-seat each of the prongs back into the housing.
7. Replace and tighten the screws of the strain relief clamp.
8. Replace and tighten the cover of the female receptacle.

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