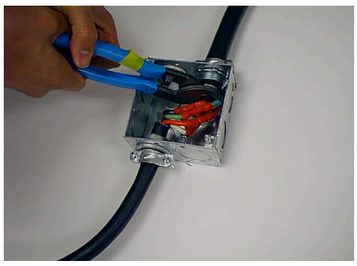
Installation Instructions for 30 Amp Detachable Park Power RV Conversion Kit

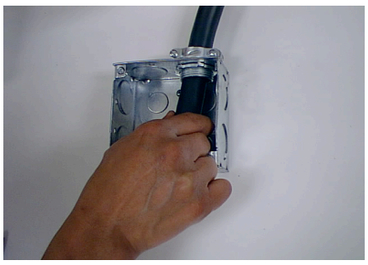
Warning: To prevent electrocution, make sure the cord/inlet is not connected to a power source before installing the Retrofit Kit.
Failure to comply with the following instructions could cause an electrical failure or fire.
This installation follows standard electrical practices and requires standard electrician tools. If you do not have experience with electrical wiring procedures, we recommend that you contact a professional electrician or contact your local RV service center.

Determine what type of installation before installing (A, B, or C).

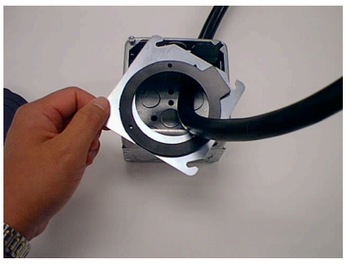
A J-Box Conversion Installation



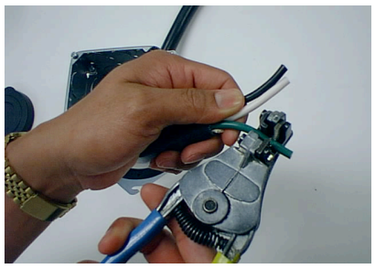
1. Unscrew J-box cover and cut off all wire connections.



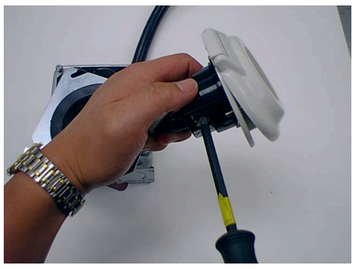
2. Unscrew strain relief to release cable grip. It may be necessary to replace with provided strain relief. Pass the cable through strain relief and box extender.



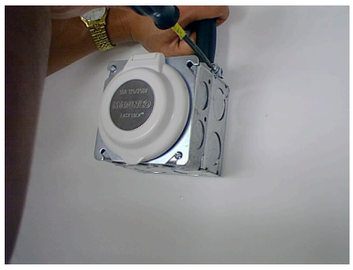
3. Pull out enough of cable to allow room to work. Tighten two screws of the box extender to the box with 10-12 in.-lbs. Feed cable through box cover opening and rubber inlet mounting gasket.



4. Remove 2” outer cable jacket. Strip wire ends 1/2” to 5/8”. **Make sure the wire strands are clean and not corroded.** If necessary, cut back the wire until clean wire is uncovered. **Do not solder the ends of the wire.**

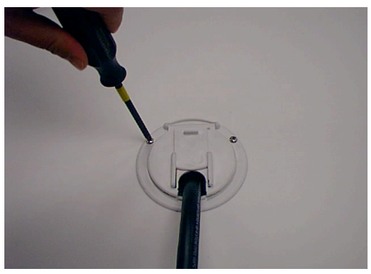


5. Back off terminal screws on the rear housing of the inlet. Insert wires into color coded openings on the back of the inlet. Tighten terminal screws to 14-20 in.-lbs. torque. **Make certain there is no wire insulation under any terminal.**

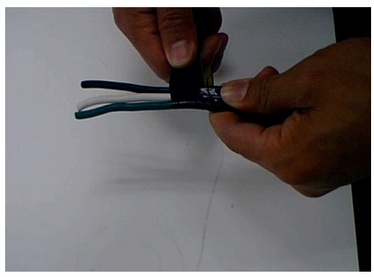


6. Position the gasket and inlet over the box cover opening, align the mounting holes and attach the inlet with provided 8-32 screws. It may be necessary to pull cable back out of the box through the strain relief to prevent wires from crowding. Fasten the box cover to the box extender and tighten the strain relief to 12-16 in.-lbs. torque.

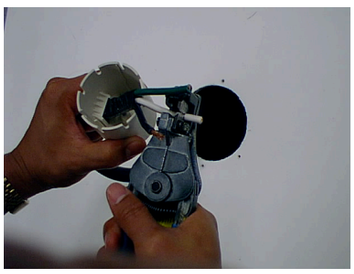
B Mouse Hole Conversion Installation



1. Remove existing mouse hole plug housing by unscrewing three mounting screws. Pull out and cut off cable leaving enough cable from the mounting hole to work on (approximately 12 to 18 inches).

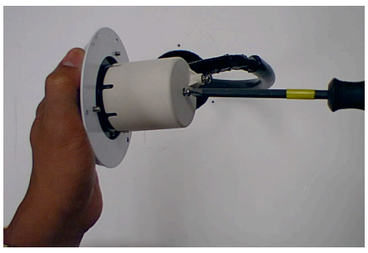


2. Remove 6” outer cable jacket and fillers. Use electrical tape to cover the jacket and flatten out conductors, leaving 2” exposed conductors. Feed the cable through the large neoprene gasket and adapter mounting bracket. Insert the conductors through the rear safety enclosure.



3. Strip wire ends 1/2” to 5/8”. **Make sure the wire strands are clean and not corroded.** If necessary, cut back the wire until clean wire is uncovered. **Do not solder the ends of the wire.**

4. Back off terminal screws on the rear housing of the inlet. Insert wires into color coded openings on the back of the inlet. Tighten terminal screws to 14-20 in.-lbs. torque. **Make certain there is no wire insulation under any terminal and the gasket is in place. Note: Two gaskets provided, use the gasket that best fits your installation**



5. Slide the rear safety enclosure onto the back of the inlet. Note: The rear safety enclosure has slots on the sides that must align with the tab on the back of the inlet. The rear safety enclosure can be attached in 8 different positions. Attach the rear safety enclosure to the inlet with the center set screw. Tighten the strain relief clamp screw until it is snug around the wiring.

6. Position the gasket and inlet over the adapter mounting bracket. There are two brackets provided. Choose the appropriate mounting bracket based on the size of the hole. Align the mounting holes and tighten the screws to 5-7 in.-lbs. torque with provided 8-32 screws. Fasten the mounting bracket to existing mounting holes.

C

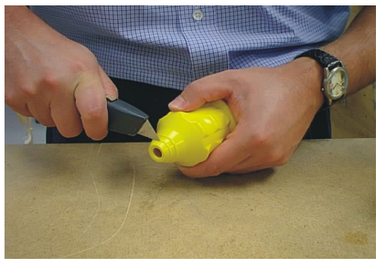
New Installation on RV exterior

WARNING: **To prevent electrocution, make sure the cord is not connected to a power source before installing the wiring device.**
Failure to comply with the following instructions could cause an electrical failure or fire.

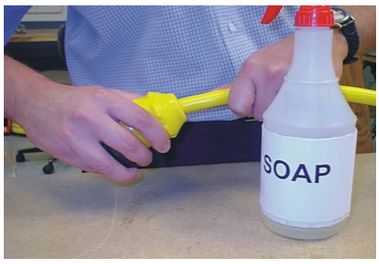
1. Determine mounting location on RV. Be careful that the location you select for the mounting hole does not go through any electrical wiring, plumbing or other obstruction. Be sure that power tools are properly grounded.
2. Mark the installation location and cut opening on RV using 2-3/4" diameter hole saw.
3. Place the inlet in the opening and align so that the inlet is square with the RV. Use the inlet as a template and mark the mounting hole locations with a pencil. Remove inlet and drill mounting holes using 1/8" drill bit.
4. Remove the rear safety enclosure (if included with this inlet) from the inlet.
5. Pull internal wiring through opening. Note: This inlet requires the use of 10 AWG wire. Using smaller gauge wire will result in overheating which could lead to an electrical fire.
6. Thread the wiring through the strain relief on the rear safety enclosure, leaving the clamp loose. Slide the mounting gasket over the wiring.
7. Back off terminal screws on the rear housing of the inlet.
8. Strip wire ends 1/2". **Make sure the wire strands are clean and not corroded.** If necessary, cut back the wire until clean wire is uncovered. **Do not solder the ends of the wire.** Insert wires into color-coded openings (see below) on the back of the inlet. Tighten terminal screws to 14-20 in.-lbs. torque. **Make certain there is no wire insulation under any terminal.**
9. Slide the rear safety enclosure onto the back of the inlet. Note: The rear safety enclosure has slots on the sides that must align with the tab on the back of the inlet. The rear safety enclosure can be attached in 8 different positions. Attach the rear safety enclosure to the inlet with the center set screw. Tighten the strain relief clamp screw until it is snug around the wiring.
10. Position the gasket and inlet over the inlet hole opening, align the mounting holes and attach the inlet to the RV with screws. Use #8 pan head stainless steel screws.

Connector Wiring Instruction

Note: Be sure to put boot (wiring device cover) on cord before wiring.

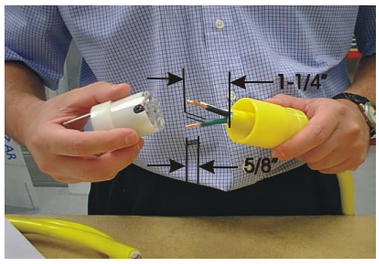


1. Cut boot at first line for cable greater than 10/3. Invert tapered end of the boot and apply soap solution.

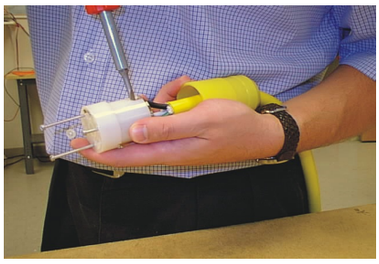


2. Push cord through the inverted end about 12 in. A tug in the opposite direction returns boot to its original shape.

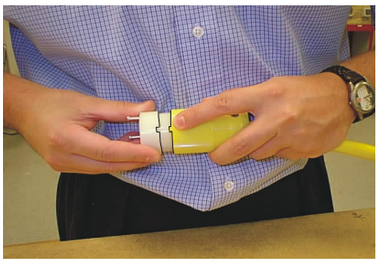
3. Push cord through the connector housing.



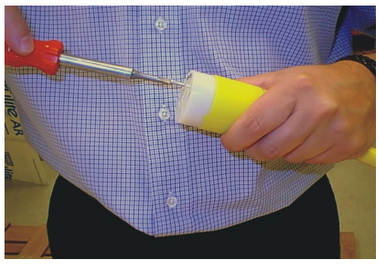
4. Strip outer jacket of cord 1-1/4 in. and 5/8 in. of insulation off each of the three wires. Cut away filler. Make sure the wire is clean and with bright copper color. Do not solder the ends of the wire.



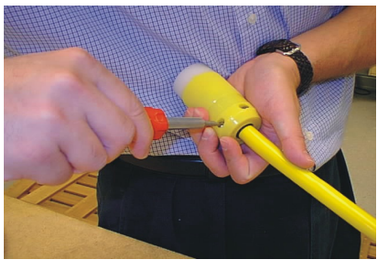
5. Insert bare wires into their corresponding color-coded terminals. Make certain there is no wire insulation under any terminal clamp. Tighten the screw clamps to 14-20 in.-lbs torque.



6. Recouple the two sections by aligning the key with the key slot.



7. Tighten down the recessed screws with moderate torque.



8. Tighten cord clamp by tighten two assembly screws to 16-20 in.-lbs torque.

9. Align device and boot indicators and lubricate mouth of boot and rear shoulder of device with soap solution and pull into place. Be sure boot is on as far as it will go.

MARINCO®

For more information and installation guides, visit our website: marinco.com