

T10134

Everything you need to wire your boat for high-current (50 amp) 12v or 24v power – Use this high current power connection for all boats to power 12v or 24v trolling motors, or any other 12v or 24v devices, up to 50 amps.

UNPACKING

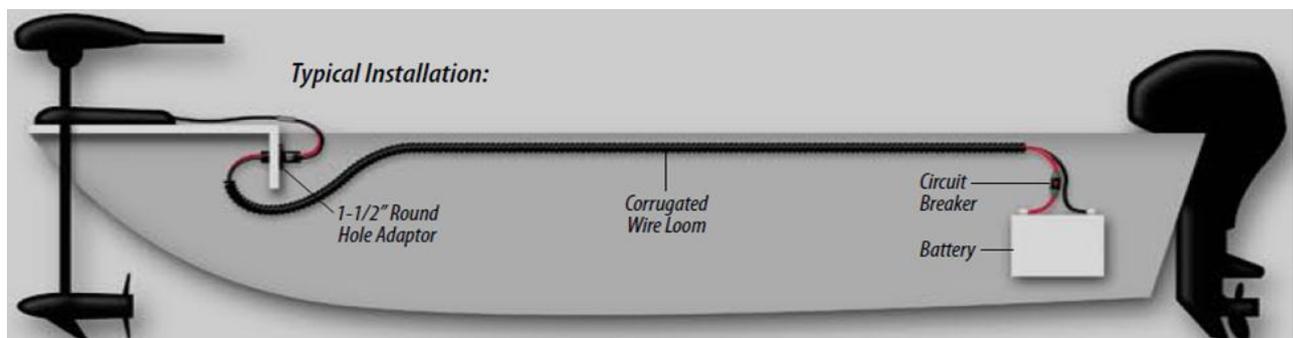
When unpacking, ensure that all parts are present and inspect for any damage that may have occurred during transit.

KIT INCLUDES:

- TRAC 12/24v high-current Quick-Connect system:
 - 2 Quick-Connect plugs (one for boat and one for trolling motor or other device)
 - 1-½" Round Hole Adaptor (to install boat plug in flat panel – option 1)
 - U-bracket (to install boat plug on flat surface – option 2)
- 35' Heavy 8-gauge AWG Tin-Plated Marine-Grade Positive (red) Battery Wire
- 35' Heavy 8-gauge AWG Tin-Plated Marine-Grade Negative (black) Battery Wire
- 14" 8-gauge Cross-over Wire for 24v systems
- All Heat-shrink Terminations included or installed
- 33' of Corrugated Wire Loom
- High-current 50 amp Manual Resetting Circuit Breaker
- 4 Isolator Bolts to install Trolling Motor or other device

INSTALLATION INSTRUCTIONS FOR BATTERY END OF HARNESS

1. Route the wiring harness along or through your boat from the battery position to the panel or place you wish to install the 12v receptacle.
2. Allow the negative (black) wire to reach the battery negative (-) terminal with a few inches of extra wire. You can make a loop in the wire to allow for the extra wire. It is better to have a few extra inches of wire now, than it is to find out later the wire is a little short.
3. Position the Loom (black corrugated plastic tubing) in a safe place where it can be secured with cable-ties (zip ties). The wires should not be touching a sharp metal edge or anything that might wear the insulation off the wiring.
4. The Circuit Breaker should be installed as close to the battery positive (+) terminal as possible and no more than 12" away. The circuit breaker can hang freely, only supported by the positive wire. However, it is a best-practice and more professional installation if the circuit breaker is secured to a bulkhead with screws. **NOTE: Never install the circuit breaker on the negative wire! Only the positive wire can be used.**
5. Position the battery positive wire (red) at the battery positive (+) terminal and route the wire from the terminal to the gray end cap of the circuit breaker. If the circuit breaker is secured with screws to a bulk head, add an extra loop of wire as you did with the battery negative wire. Cut the battery positive wire so there is enough wire to run from the battery positive post, making a loop and reaching one end of the circuit breaker. It does not matter which end of the circuit breaker is used. The circuit breaker is not directional; it works properly if either end is toward the battery.
6. After the battery positive wire is cut, strip ½" of the plastic insulation away from both ends of each piece of battery positive wire. Unscrew the gray end caps on the circuit breaker. Place the end cap onto each piece of wire. Place the red grommet in each piece of wire. Use an Allen wrench to unscrew the set screw on the circuit breaker terminals. Insert the stripped wire. Tighten the set screws. Slide the gray end caps up to the circuit breaker and screw on. The red grommet should fit well in the gray cap as it is screwed on. Tighten finger tight only. The grommet and an O-ring will seal the connection. Do this on both sides of the circuit breaker. **NOTE: DO NOT connect the wires to the battery yet.**

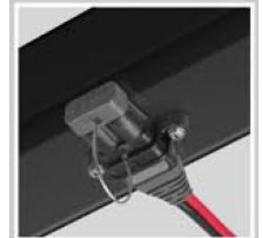


INSTALLATION INSTRUCTIONS FOR PANEL END OF HARNESS

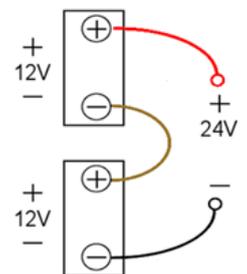
1. The wiring harness should now be routed along or through your boat from the battery position to the panel or place you wish to install the 12v receptacle.
2. Choose the type of receptacle installation which is best for your application. The round hole adaptor can be used for installations through a flat panel. The U-bracket can be used to install the receptacle on the side of a flat surface. The receptacle (or plug) can also be left unattached if desired, but make sure it cannot fall into standing water and that the wiring harness is secured.
3. The battery wire and trolling motor wire can be cut to length. It is a best practice to place a loop in the wires allowing for extra wire to be available if needed. Cut the wires and strip $\frac{1}{2}$ " of the plastic insulation off the wire ends.
4. Insert the stripped wires in the butt splice on the supplied plug making sure the wire is fully inserted in the metal part of the splice. Wires are connected black-to-black and red-to-red. Crimp butt splices with a crimping tool.
 - i. To use the ROUND HOLE ADAPTOR – drill a 1.5" hole in the flat panel. On the back side of the panel place the plug through the round hole adaptor nut (*removed from adaptor*). Pass the plug through the 1.5" hole. Note: The nut must be on the back side of the panel. Remove the gray plug cap by unscrewing the stainless tether where it attaches to the plug. The round hole adaptor has a small screw hole on one side. The plug has a threaded hole where the stainless tether was removed. Insert the plug into the adaptor so the threaded hole is on the same side as the small screw hole. The plug will snap into the adaptor. Install the small screw through the adaptor and into the plug to secure it. Pass the adaptor into the 1.5" hole and thread the nut on the backside onto the adaptor. Hand tight is tight enough. Over tightening will only cause the nut to skip a thread. If desired, the stainless tether with cap can be screwed onto the front of the round-hole adaptor.
 - ii. To use the U-BRACKET - The bracket will fit over the plug, fitting in a groove on the plug. Secure to a flat surface with screws provided.
5. Install the accessory plug on the trolling motor (or other electrical device) wires by cutting the wires and stripping $\frac{1}{2}$ " of plastic insulation. Insert the wires in the butt splices making sure the wires are completely inserted in the metal part of the splice. Crimp splices with crimping tool. Make sure wires are connected black-to-black and red-to-red.
6. For 24v installations, use white crossover wire provided. Wiring as shown in the diagram here.



1-1/2" Round Hole Adaptor Included



U-Bracket Included



TRAC Limited Warranty

This limited warranty is provided by TRAC Outdoor Products Co (TRAC) to the original consumer purchaser (purchaser) of this TRAC product. This limited warranty is not transferable to any other party. TRAC will at its option repair or replace any part(s) of the TRAC product which may be found by TRAC to be defective within two (2) years of purchase. TRAC will pay the shipping charge to the purchaser for any part(s) which may be shipped by TRAC. For warranty repair or replacement, the purchaser must provide dated proof of purchase and notify TRAC of the request for warranty service. The purchaser will notify TRAC by email at info@TRAC-Outdoor.com or by phone at 615-641-2542 for warranty service. TRAC will attempt to provide parts needed. If the product is to be returned, purchaser will be provided a Return Goods Authorization (RGA) number to include with any return for warranty service which will be shipped at the purchaser's expense to the address provided. The purchaser must use reasonable care in maintenance and operation of the product in accordance with this manual. Failure to follow the instructions in the manual will void the warranty. This warranty covers defects in material or workmanship of the TRAC product. This warranty does not cover failure that results from misuse, improper installation, accident, abuse, neglect, modification, or improper maintenance. There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to two (2) years from the date of purchase. Costs of installation or repair by service centers or marine repair facilities are not covered by this warranty. This is the exclusive remedy and any liability for any and all incidental or consequential damages or expenses whatsoever is excluded. Some states do not allow limitations on how long an implied warranty lasts, or do not allow exclusion or limitation of incidental or consequential damages, the above limitations may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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