

T10141

Everything you need to wire your boat for high-current (60 amp) 12v, 24v, or 36v power – Use this high current power connection for all boats to power trolling motors or any other 12v, 24v or 36v devices, up to 60 amps.

UNPACKING

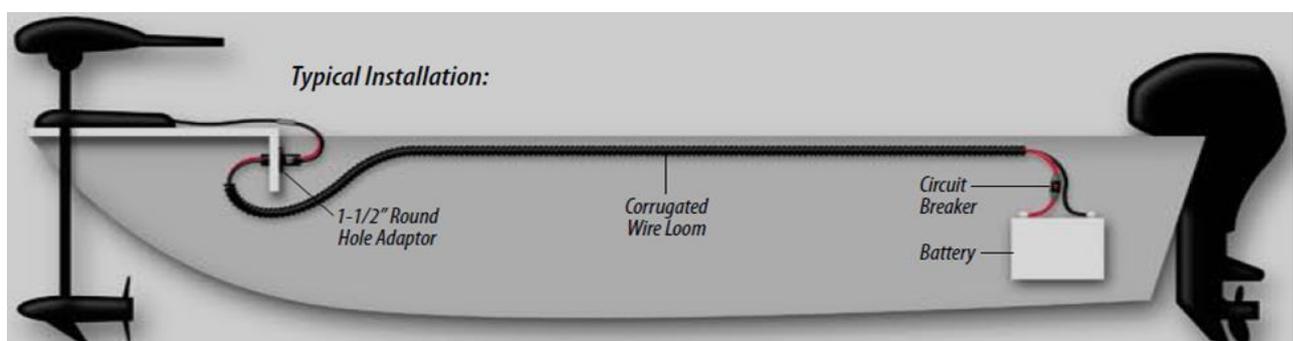
When unpacking, ensure that all parts are present and inspect for any damage that may have occurred during transit.

KIT INCLUDES:

- TRAC 12/24/36v 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)
- 30' Heavy 8-gauge AWG Tin-Plated Marine-Grade Positive (red) Battery Wire
- 30' Heavy 8-gauge AWG Tin-Plated Marine-Grade Negative (black) Battery Wire
- Two 14" 8-gauge Cross-over Wires for 24 and 36v systems
- All Heat-shrink Terminations included or installed
- 28' of Corrugated Wire Loom
- High-current 60 amp Manual Resetting Thermal Circuit Breaker
- 4 Isolator Bolts to install Trolling Motor or other device

INSTALLATION INSTRUCTIONS FOR BATTERY END OF HARNESS (plug with long wire harness)

1. Route the wiring harness along or through boat from the panel position to the battery position. You will pass the two wires (positive wire has ring termination already installed and negative wire is cut) through your boat to the battery. Make a small coil in the wire at the panel end to leave a little extra wire. Better to leave extra wire than find out the wires are a little short.
2. Position Loom (black corrugated plastic tubing) along a location where it can be secured with cable-ties (zip ties) or otherwise be protected. Wires should not touch sharp metal or anything that might wear through the insulation.
3. The Circuit Breaker should be installed as close to the battery positive (+) terminal as possible. 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.**
4. 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, route the wire from battery and add a loop of wire like you did at the panel end (plug end). Cut the battery positive wire length 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.
5. 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 caps onto each piece of wire. Place the red grommet over 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 (plug with short wires)

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 plug.
2. Choose the type of plug 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, like a bulkhead. The plug can also be left unattached if desired, but make sure it cannot fall into standing water and that the wiring harness is secured.
 - i. To use the **ROUND HOLE ADAPTOR** – drill a 1.5" hole in the flat panel. On the back side of the panel pass the plug through the **Adaptor NUT** first. Then pass the plug through the panel hole. The nut will remain on the back side of the panel (around the wires).

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 back through 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. The stainless tether with cap can be screwed onto the front of the round-hole adaptor and used to seal the plug in the panel.

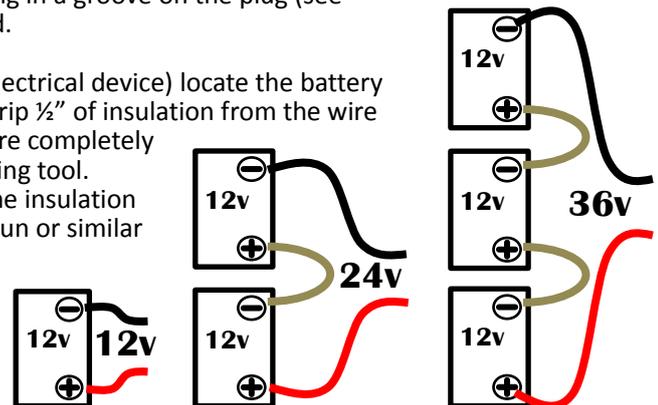


1-1/2" Round Hole Adaptor Included



U-Bracket Included

- ii. To use the **U-BRACKET** - The bracket will fit over the plug, fitting in a groove on the plug (see photo). Secure bracket to a flat surface with screws provided.
3. Install the plug (with short wires) on the trolling motor (or other electrical device) locate the battery wires from the device. Cut the wires to the desired length and strip 1/2" of insulation from the wire ends. 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. The insulation on the butt-splices is heat-shrink type. Apply heat (from a heat gun or similar source) to butt-splice insulation to shrink it to the wire creating a waterproof seal.
 4. For 12v, 24v and 36v installations see diagram to the side. Use white crossover wires provided for 24v and 36v.



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 615-462-6224 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.