INSTALLATION INSTRUCTIONS **VEHICLE WIRING KIT**

T10135

Everything you need to wire your vehicle for high-current (60 amp) 12v power – Use this 12v high current power connection for a trailer winch, portable winch, and any other 12v device 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 12v high-current Quick-Connect system:
  - 2 Quick-Connect plugs (one for rear of vehicle and one for trailer winch or any other 12v device)
  - 1-½" (38.1mm) Round Hole Adaptor (for installation on flat panel – option 1)
  - U-bracket (for installation on flat surface – option 2)
- 25' (7.6m) Heavy 8-gauge AWG Tin-Plated Marine-Grade Positive (red) Battery Wire
- 5' (1.5m) Heavy 8-gauge AWG Tin-Plated Marine-Grade Negative (black) Battery Wire
- Corrosion resistant self-tapping grounding bolt to attach negative wire to vehicle frame
- High-current 60 amp Manual Resetting Circuit Breaker
- 10 Cable ties to secure wires to vehicle

INSTALLATION INSTRUCTIONS FOR BATTERY END OF HARNESS

1. Route the red positive wire along or through your vehicle from the rear of the vehicle (or the position where you choose to locate the 12v receptacle) to the battery positive terminal.

2. The black negative wire will be grounded to the vehicle frame near the 12v receptacle.

3. Route and position the battery wires in a safe place and secure with cable ties (zip ties). The wires should not be touching any 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" (30.5cm) away from the battery positive terminal. The circuit breaker should be secured to the firewall or other surface with screws. ***NOTE: Never install the circuit breaker on the negative wire! Only the positive wire can be used.***

5. Position the red battery positive ring termination at the battery positive (+) terminal and route the wire from the terminal to the gray end cap of the circuit breaker. Add an extra couple inches or a loop of wire to provide a little extra wire for working on the system and in case a change of location is required. It is better to have a little extra wire compared to cutting the wire too short. 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" (12.7mm) of the plastic insulation away from each end 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 into the circuit breaker terminal. Tighten the set screw. Slide the gray end cap 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 red grommet and an O-ring will seal the connection. Do this on both sides of the circuit breaker. ***NOTE: DO NOT connect the positive wire to the battery yet.***

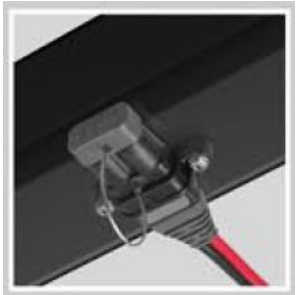
INSTALLATION INSTRUCTIONS FOR REAR OF VEHICLE

1. The wiring harness should now be routed along or through your vehicle from the battery position to the rear or your chosen location for the 12v receptacle.

2. Choose the type of receptacle installation that 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 is secured and not able to touch the ground or be damaged in any way.

3. The wiring harness positive and negative wires can be cut to length, but it would be easier and acceptable to coil the access wire and secure it with cable ties (zip ties).

i. U-BRACKET - The bracket will fit over the plug, fitting in a groove on the plug. Secure to a flat surface with screws provided.

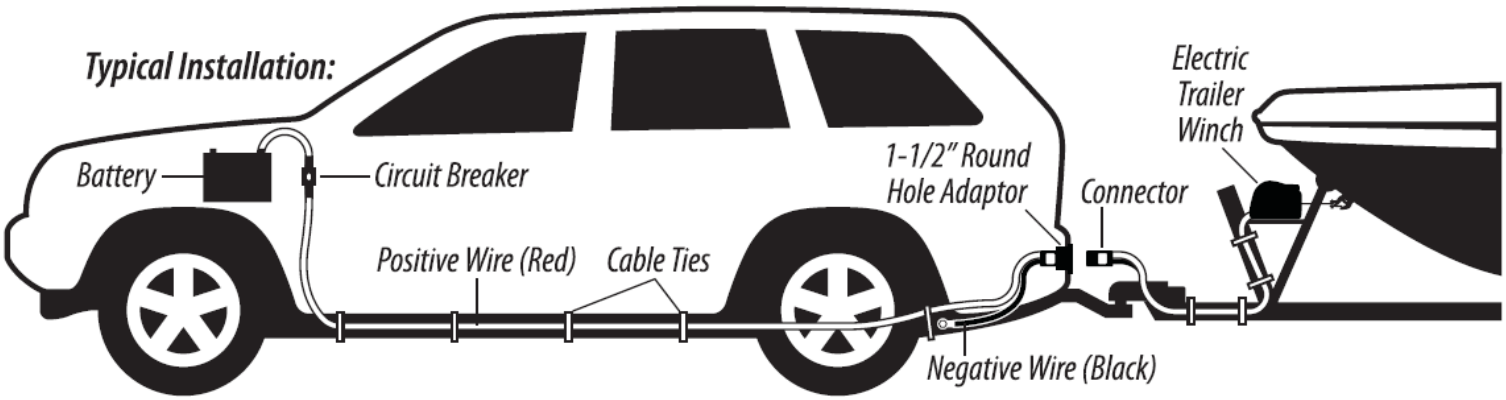


U-Bracket Included

ii. To use the ROUND HOLE ADAPTOR – Drill a 1.5" (38.1mm) 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" (38.1mm) 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 back side of 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" (38.1mm) 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.

1-1/2" Round Hole Adaptor Included

4. Install the accessory plug on the winch or whatever device you wish to power by cutting the battery wires on the winch or other device and stripping ½" (12.7mm) of plastic insulation from the end of the wires. Insert the wires into the butt splices making sure the wires are completely inserted in the metal part of the splice. Crimp the splices with crimping tool. Make sure wires are connected black-to-black and red-to-red.



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.

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