



PCS-44-Mav Power Control System Installation Guide

Thank you for purchasing XTC's Power Control System. The kit comes complete with everything needed for installation. All switch circuit/housings are wired for bottom row lighting for use with up-graded Carling lit switches. The system has four 20 amp relayed circuits with Diode protection that reduce voltage spikes from field collapse, protecting LED lights and other sensitive accessories. The kit includes power wire with a 50 Amp Circuit breaker for overall circuit protection. More installation information can be found at www.xtcinstall.com

Please read the instructions fully and familiarize yourself with the components before starting the install.

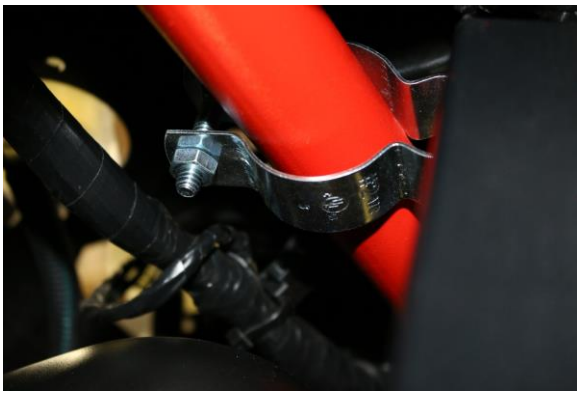
1. Remove Passenger seat and the side panel to the center console exposing the factory Busbar. Also remove the plastic center kick panels on both sides and the center plastic piece under the dash switches. Remove the ground wire from the battery to prevent short.



2. Mount the provided clamps onto the control box using the provided screws.



3. Mount the control box in the center of the 1.25" bar in the dash

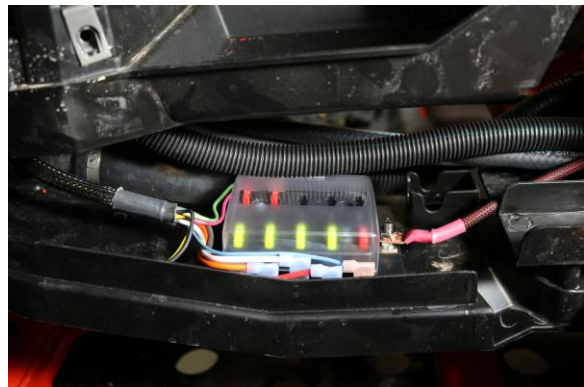
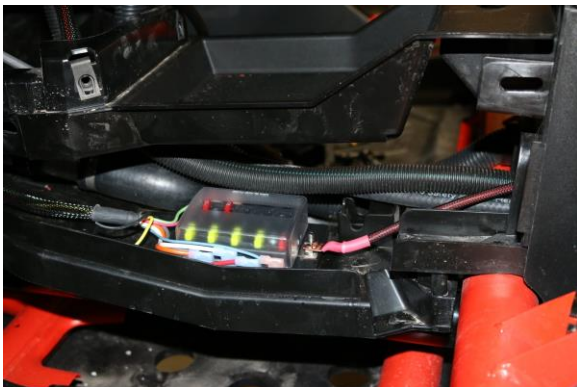


Tighten the first clamp up as much as possible before sliding the unit further over and setting the second clamp to make it easier to do the final tightening.

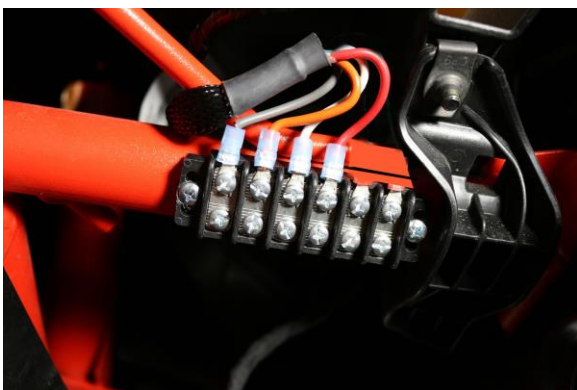


Tighten both clamps and tighten the two 10-24 mounting screws

4. Mount the fuse Block in the front center console using the provided screws. Pull the one center screw out to push it over to get the screw gun in.



5. Mount the barrier strip on the dash support 1.25" bar with the provided self tapping screws.



6. Connect the power wire from the devices to be controlled to the appropriate terminal on the barrier strip. The following is the switch designations.
 - Terminal 1 is Grey and is on relay 1 controlled by switch 1 with 20-amp fuse
 - Terminal 2 is Orange and is on relay 2 controlled by switch 2 in upper center dash with 20-amp fuse
 - Terminal 3 is White and is on relay 3 controlled by switch 3 in upper center dash with 20-amp fuse
 - Terminal 4 is Red and is on relay 4 controlled by switch 4 center console with 20-amp fuse
7. Plug the switch harness into the 12 pin Molex® connector.
8. Mount Switches. Switch 1 can be mounted in one of three places, left of steering wheel, center dash or in center console. Switch 2 and 3 go in the center dash next to the DPS Switch. Remove the inserts and run the desired connectors through the openings and attach switch. Run the long end of the harness with Switch 4 down to the center console on the passenger side next to the cup holders, if not mounted there then the yellow and black wires would need to be lengthened to get to the Busbar. Mount switch 1 where decided.



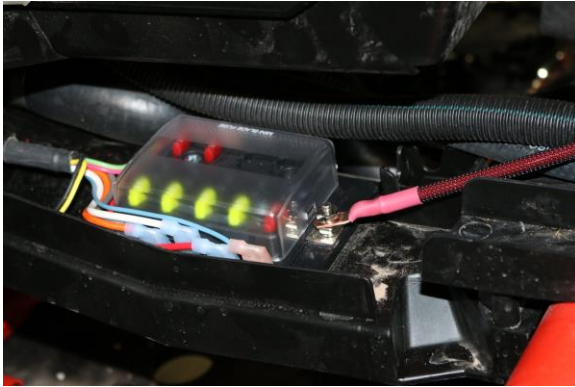
9. Attach the yellow wire to the switched bottom stud and the black wire to the top ground stud on the factory busbar as shown



10. Use a cutting tool to cut out at least one console switch cutout for switch 4. Run the harness through the cutout and attach the switch and mount the switch in the cutout.



11. Run the power wire from the fuse block to the supplied circuit breaker, then the short end is connected to the factory busbar fulltime power(Center Stud), secure the 50 amp Circuit Breaker with the supplied screws.



Always use the proper fuse size that the product manufacturer recommends.

12. Replace any of the fuses in the fuse block with the fuse value for the device on that circuit, failing to do so will reduce the protection to that device.
13. Re-attach ground wire and verify operation
14. Secure the harness using the provided cable ties keeping it away from any hot or moving parts
15. Reinstall plastics and seat

Note: The harness is prewired for bottom row lit switches. Basic switch with top dependant LED may be used or when upgrading the switch to two LED use Carling SPST Switch with independent Bottom Row Lighting .

We can be reached by email at support@xtcpowerproducts.com

XTC Power Products
A Division of XTC Motorsports LLC
380 E Comstock Dr.
Chandler AZ 85225
480-558-8588
www.xtcpowerproducts.com

*Disclaimer: This kit is intended for off-road use only, and XTC Motorsports claims no responsibility for its use. It is up to the purchaser to ensure it complies with all Federal, State, and Local laws. R3m

Copyright © 2022 XTC MOTORSPORTS LLC, all rights reserved.