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## Product Support Bulletin

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### **XDRIVE POWER RELAY RETROFIT KIT 000-078-972**

Dear HydraMaster Distributors and xDRIVE Owners,

HydraMaster has determined that a wiring update is needed relating to the CDS xDRIVE power relay. In certain circumstances we have found failures of wiring that could impact internal components. A new power relay has replaced the previous power relay design. This new power relay (kit #: 000-078-972) can be installed by any CDS xDRIVE certified HydraMaster distributor.

The new design and implementation has been tested and with your assistance the update will correct potential future failures. The parts and labor to accomplish the above upgrades will be provided free of charge.

CDS xDRIVE owners please contact your local distributor to schedule a time to perform these upgrades.

Authorized HydraMaster Master Distributors please coordinate with HydraMaster's Technical Support Team to schedule the remote software update to ensure the proper equipment is available.

If you have any questions concerning these procedures, please contact our Tech Support Team at (425) 775-7276.

Thank you for your understanding.  
The HydraMaster Sales, Engineering and Technical Support Team

## INSTRUCTION SHEET

# xDrive Power Relay Retrofit

**Kit No. 000-078-972**

**Advisory:** Check to ensure you received all the parts with your kit prior to performing the operations below.



000-037-022 QTY. 2



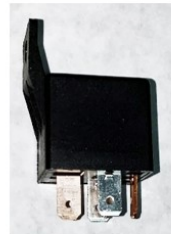
000-037-071 QTY. 2



000-094-058 QTY. 1



000-143-330 QTY. 1



000-157-022 QTY. 1



000-174-001 QTY. 2

Part Number	Description	Quantity	Picked by
000-037-022	TERM 10-12 AWG FEM INSUL YELLOW	2	
000-037-071	TERM INSUL FEM 22-16 AWG RED	2	
000-094-058	NUT,10-32 S/S NYLOCK	1	
000-143-330	SCREW,10-32 X 1" S/S HHCS	1	
000-157-022	SWITCH, RELAY, 12V	1	
000-174-001	WASHER,#10 S/S FLAT	2	

- 1) Remove top relay and inspect pins. If any of the pins appear discolored proceed with retrofit.
- 2) Disconnect the van battery negative cable.
- 3) Remove all the fuses and relays.



4) Gently pry off the fuse panel face plate.



5) Remove the face plate and set aside.



- 6) Depress the locking tab on the top four relay terminals and gently pull the wire out from the back of the fuse panel.



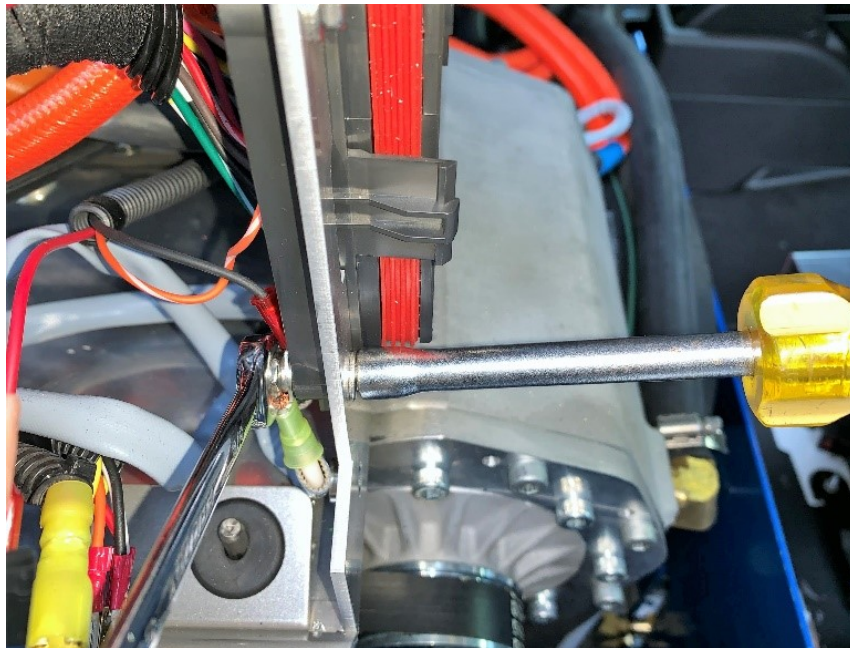
- 7) The four wires should come out like this.



8) Cut the ends off the wires and attach the terminals provided in the kit.



9) Remove the ground wires from the bottom left mounting/ground screw on the back of the fuse panel.

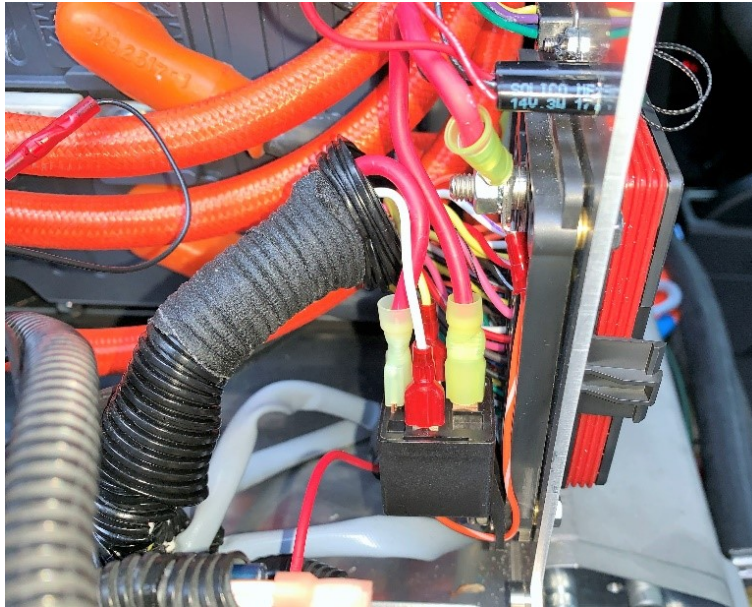


10) Remove the bottom right mounting screw from the fuse panel and replace with the longer screw provided in the kit.

11) Attach the grounding wires to the new screw on the bottom right of the fuse panel.

12) Mount the relay provided in the kit to the exposed bottom left mounting screw stud.

- 13) Attach the wires to the relay. The two 10-gauge red wires go on pins 30 and 87. The yellow and white wires attach to pins 85 and 86.



- 14) Replace the fuse box face plate, all the fuses, and the four lower relays.  
15) Reconnect the van negative battery cable.  
16) Test the machine for proper operation.