Step 1

Run the 6 ga. wire to both locations (motor & battery box) and attach to truck body as shown in Fig. 1.

Note: The wire must go beyond the pivot point.

Caution: Make sure wire does not get pinched at the pivot.

Step 2. Attaching The Connectors (Motor)

A. Split the molded 6 ga. wire approximately 4" and strip the ends about 5/8" down.

B. Attach connectors (part # 514-0308) and crimp (Fig. 2).

C. Attach black wire to Terminal # 1 on motor (Fig. 3).

D. Attach red striped wire to Terminal # 2 on motor (Fig. 3).
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Step 3.

A. Locate the Solenoid in a ventilated area near the battery. Mount using the self drilling screws (part # 506-9929).

B. Split the 6 ga. wire at the solenoid about 4" back and slip on rubber boots - Red Boot (part # 514-0336) on red striped wire and Black Boot (part # 514-0337) on black wire (Fig. 4 & 5).

C. Strip wire about 5/8” and attach connectors (part # 514-0308) (Fig. 4). Crimp Connectors.

D. Attach Red to IN and Black to OUT on Solenoid (Fig. 5).

Do not over tighten nuts on Solenoid!

Step 4. Run 16 ga. Wire to Cab from solenoid

A. Mount Switch Bracket (part # 514-9954) in a convenient place in cab using the two self drilling screws (part # 506-9904).

B. Strip wire in cab about 1/4” and attach push on connectors (part # 514-0321) and crimp (Fig. 6).

C. Pull wire through Switch Bracket (part # 514-9954) (Fig. 6).

D. Attach wire to Rocker Switch (part # 514-0117) (Fig. 6).
   • Green to Center
   • Black to Top
   • White to Bottom

E. Snap Rocker Switch firmly in Switch Bracket.
Step 5. Attaching Switch Wires to Solenoid

A. On the black and white wires only, strip ends about 1/4” and attach push on connectors (part # 514-0321).

B. On the green wire, strip end about 1/4” and attach connector with 1/4” eyelet (part # 514-0304).

C. Attach Black to LEFT Terminal on Solenoid (Fig. 7). Attach White to RIGHT Terminal on Solenoid (Fig. 7). Attach Green to BATT+ on Solenoid (Fig. 7).

Step 6. Connecting the Solenoid to the Battery

A. Cut a length of wire to run between the battery and the solenoid.

B. Split wire about 4” down and strip ends about 5/8”. Slip on Red Boot (part # 514-0336) on Red Striped Wire and Black Boot (part # 514-0337) on Black Wire as done in Step 3.

C. Attach Connectors (part # 514-0308) and crimp to wires.

D. Attach Red Striped wire to BATT+ on Solenoid, and tighten nut (Fig. 8).

E. DO NOT attach Black wire to BATT- on Solenoid at this time.
Step 7. Hooking up the Breaker

A. Mount the Breaker in the Battery Box away from moisture and so that it won’t short out on the battery lid or terminals.

B. Split a section of the 6 ga. wire that runs from BATT+ on the Solenoid to the Breaker as needed.

C. Cut and then strip ends of the Red Striped Wire about 5/8” and attach the #10 terminal ends (Part # 514-0307) only to the Red Striped Wire.

D. Attach to Breaker. The breaker is marked “Load” at the Solenoid end and “Line” at the Battery end.

Warning: Failure to install properly will void warranty on motor and other parts.

Step 8. Attaching Jumper

A. Attach the Jumper (part # 514-9921) as shown (right). Push the female spade connector on to the CENTER terminal. Connect the 1/4” eyelet to the BAT - post on the solenoid.

B. Attach the black 6 ga. wire (from battery) over the Jumper. Tighten the nut down and cover with the black terminal boot as done in previous steps.
Step 9. Hooking up the Battery

A. Split the 6 ga. wire that runs from BATT+ and BATT- on the Solenoid about 4”.

B. Strip the ends about 5/8” and attach the 3/8” connectors (part # 514-0309), crimp to wires.

C. Attach Red Striped wire to Positive Terminal on Battery (Fig. 11). Attach Black wire to Negative Terminal on Battery (Fig. 11).

*Note: If the system operates backwards, reverse the connections on the motor.*
Deluxe High Amp Switch Kit - 12 Volt
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1. Reversing Polarity 12v Solenoid
2. 50 Amp Type I Breaker
3. Rocker Switch Bracket
4. Rocker Switch 3 Position Momentary
5. Black Terminal Boot
6. Red Terminal Boot
7. Connector 14 ga. Lug with 1/4" Eyelet
8. Push On Female Terminal 16 ga.
9. #10 x 3/4" Self Drilling Screw
10. 4" Black 10ga. Jumper Wire
11. #12-14 Self Drilling TEK Screw
12. Connector 6 ga. Lug with 1/4" Eyelet
13. Connector 6 ga. Lug with 3/8" Eyelet
--. #16-3 Wire PVC 27# Copper

For technical support call us at (800) 368-3075 or visit our website at Pulltarps.com.