40 Amp Electrical Switch Assembly Enclosed - (514-0105)
Pre-Wired Weatherproof Switch

Wiring Instructions
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.

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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).
Step 3.
A. Mount the Control Box in a convenient location.

B. Split the 6 ga. wire at the Control Box about 4” back and slip on rubber boots - Red Boot (part # 514-0319) on red striped wire and Black Boot (part # 514-0317) 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 Striped wire to Motor (+) and Black wire to Motor (-) on Control Box (Fig. 5).

Do not over tighten nuts on connections!

Step 4. Wiring the Breaker
A. Mount breaker in the battery box away from moisture.

B. Cut a section in the red 6 ga. wire that will run to the positive terminal on the battery.

C. Strip the ends about 5/8” and attach the 6 ga. #10 terminal ends (Part # 514-0307).

D. Attach to breaker.
Step 5. Wiring the Battery

A. Attach the red striped 6 ga. wire to BAT (+) at the control box. Slide Red Terminal Boot over the end and connect using the Lug Connector (part # 514-0308) as done in step 3.

B. Attach the other end of the red striped 6 ga. wire to the positive terminal on the battery using a 6 ga. 3/8” terminal end (part # 514-0309) or 1/4” terminal end (part # 514-0308), depending on the size of the terminal at the battery. (Fig. 7).

Step 6. Wiring the Battery

A. Connect the black 6 ga. wire to the negative terminal on the battery using a 6 ga. 3/8” terminal end (part # 514-0309) or 1/4” terminal end (part # 514-0308), depending on the size of the terminal at the battery. (Fig. 8).

B. Attach the other end of the black 6 ga. wire to BAT (-) at the control box as done in step 3. Slide Black Terminal Boot over the end and connect using the Lug Connector (part # 514-0308) as shown in Fig. 8.

Warning: You must attach the black 6 ga. wire to the battery first, before attaching it to the box.

Note: If the system operates backwards then reverse the 6 ga. wires on the motor.
## 40 Amp Electrical Switch Assembly Enclosed (514-0105)

**Pre-Wired Weatherproof Switch**

### Item #  Part #  Description:

<table>
<thead>
<tr>
<th>Item</th>
<th>Part #</th>
<th>Description</th>
<th>QTY</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>514-9906</td>
<td>Enclosure for Electric Switch</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>514-0107</td>
<td>Electric Switch 3 Position</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>514-0406</td>
<td>40 Amp &quot;Push to Rest Breaker&quot;</td>
<td>1</td>
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<tr>
<td>4</td>
<td>514-0405</td>
<td>40 Amp Type II Breaker</td>
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<tr>
<td>5</td>
<td>514-0317</td>
<td>Black Terminal Boot</td>
<td>2</td>
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<tr>
<td>6</td>
<td>514-0319</td>
<td>Red Terminal Boot</td>
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<tr>
<td>7</td>
<td>514-0308</td>
<td>Connector 6 ga. Lug with 1/4&quot; Eyelet</td>
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<tr>
<td>8</td>
<td>514-0309</td>
<td>Connector 6 ga. Lug with 3/8&quot; Eyelet</td>
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<tr>
<td>9</td>
<td>514-0307</td>
<td>Connector 6 ga. #10 Stud</td>
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<tr>
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<td>517-0213</td>
<td>40 Amp Electric Switch Label</td>
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</tbody>
</table>

**Diagram:**

- **Item 1:** Enclosure for Electric Switch
- **Item 2:** Electric Switch 3 Position
- **Item 3:** 40 Amp "Push to Rest Breaker"
- **Item 4:** 40 Amp Type II Breaker
- **Item 5:** Black Terminal Boot
- **Item 6:** Red Terminal Boot
- **Item 7:** Connector 6 ga. Lug with 1/4" Eyelet
- **Item 8:** Connector 6 ga. Lug with 3/8" Eyelet
- **Item 9:** Connector 6 ga. #10 Stud
- **Item 10:** 40 Amp Electric Switch Label