

Anteo Cab Cut-Off Switch Instructions

1. **Verify** Anteo Cab Cut-off Switch Kit (Figure 1 and Table 1).

Table 1: Parts list for kit PN016375.

ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	009578	FUSE HOLDER-INLINE
2	1	016377	FUSE-10 AMP (ATO10)
3	2	016376	CAB CUT OFF RED WIRING(50FT)
4	2	013415	16-14 EYELET HS 5/16"
5	2	009089	16-14 HEAT SHRINK BUTT CONNECTOR
6	4	007751	16-14 INSULATED FEMALE DISCONNECT
7	2	000503	1/4-20 X 1/2 RAPID PENETRATING SCREW
8	1	009575	SWITCH-SAFETY CONTROL CAB CUT OFF
9	1	009579	SWITCH BRACKET
10	1	016381	CAB CUT OFF BLACK WIRING(50FT)
11	40FT	015597	1/4"DIA. SPLIT CORRUGATED LOOM

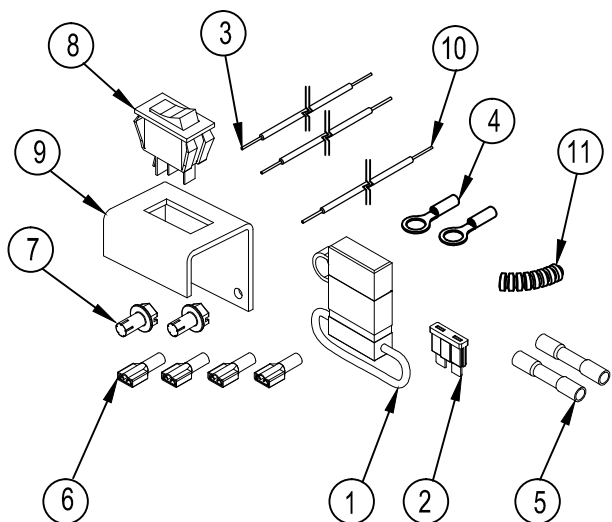


Figure 1: Anteo Cab Cut-off Switch Kit

2. **Lower** the liftgate to the ground. To avoid a risk of a 12 volt electrical short, **Disconnect** the power cable from the positive side of the battery.

3. **Select** a cab location and mount the in-cab bracket.

4. **Insert** the switch into the bracket.

5. **ONLY FOR F3CL AND F3RE SERIES:** **Unscrew** the six screws and **open** the front panel from the Control Box (Figure 2). Keep the screws and the red key in a safe place since you'll need them later to assemble the Control Box .

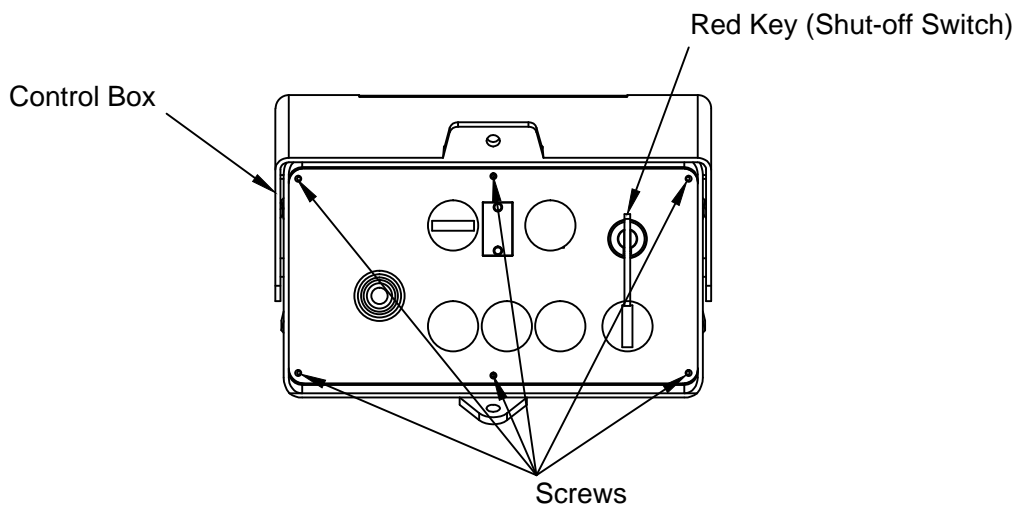


Figure 2: Screws at Control Box for F3CL and F3RE Series.

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6. Connect the AWG #16 cut-off switch wires according to the diagrams and the liftgate series (Figure 3 and 4). Use the provided corrugated tube to protect the wires while routing them.

Note: Follow the Recommended Electrical Guidelines when connecting and routing cables.

F3CL and F3RE SERIES:

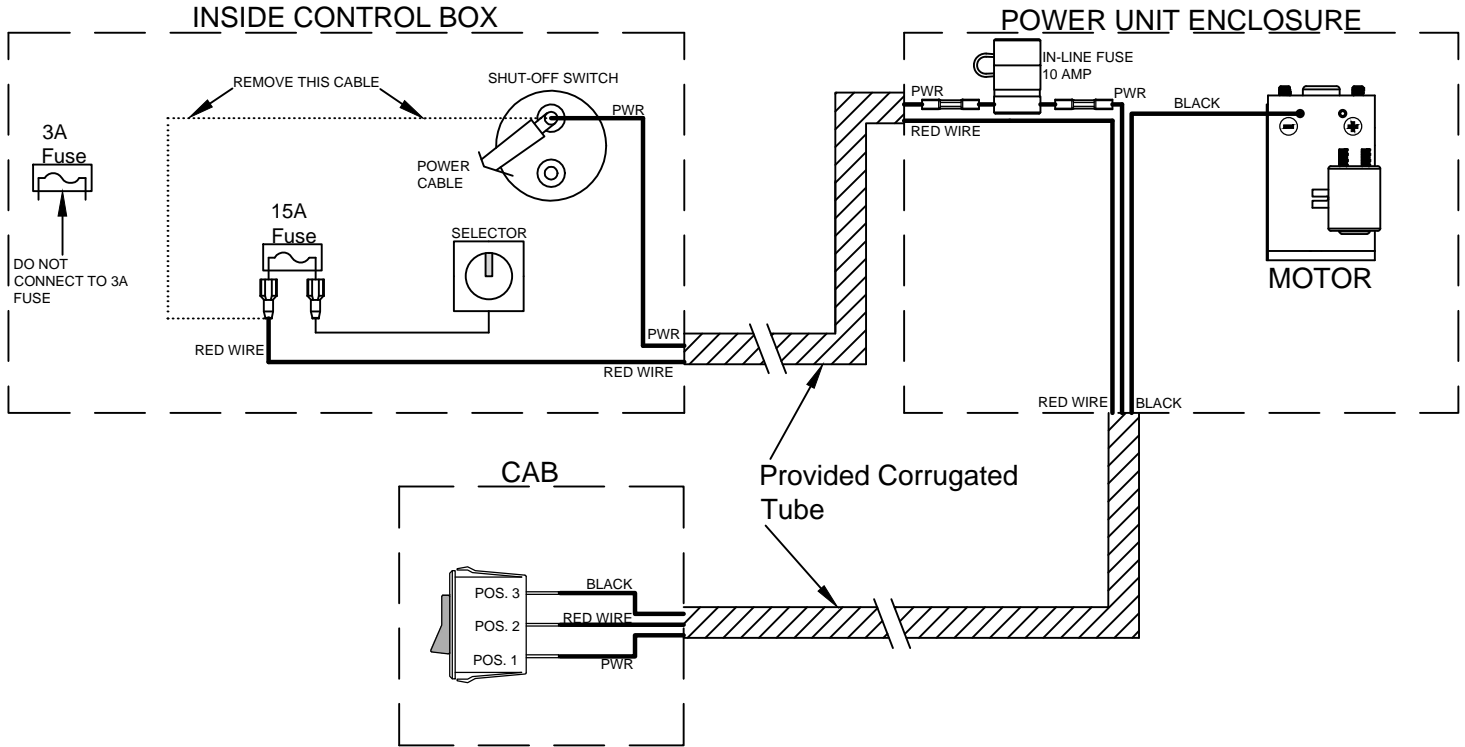


Figure 3: Electrical Connections Diagram for F3CL and F3RE series.
Note: For clarity, not all wires are shown.

REP SERIES:

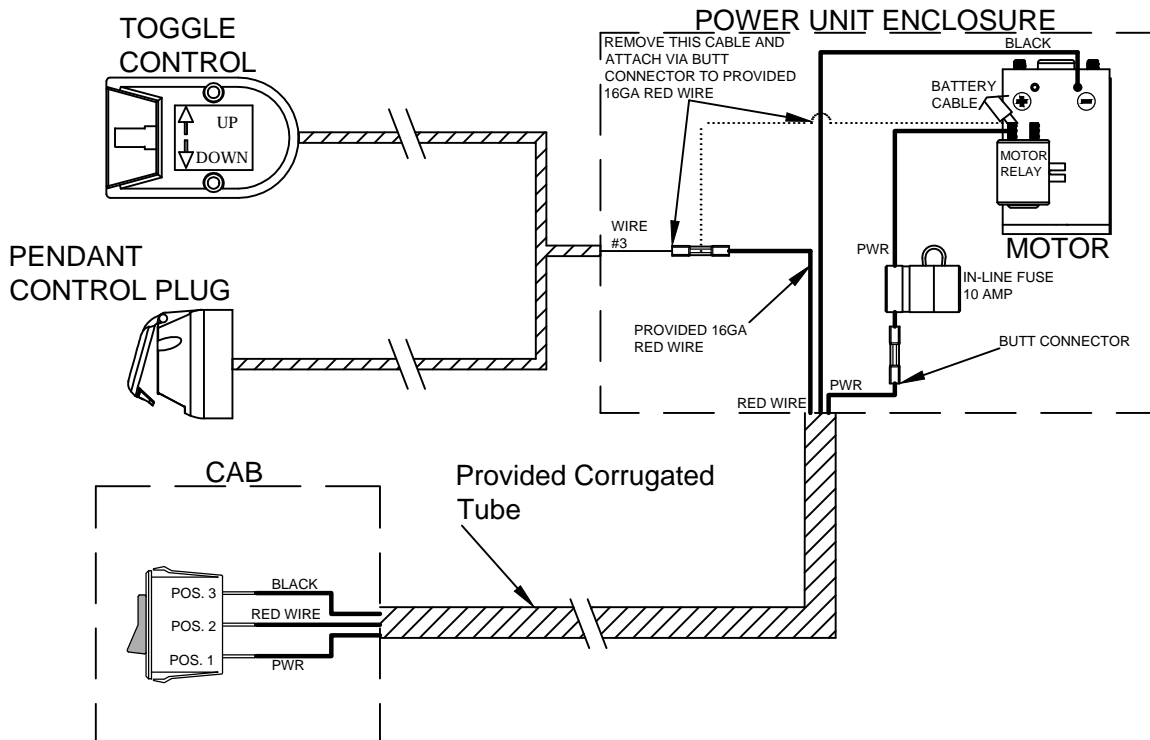


Figure 4: Electrical Connections Diagram for REP series.
Note: For clarity, not all wires are shown.

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7. **Insert** the provided 10 AMP fuse in the In-Line Fuse (Figure 5).

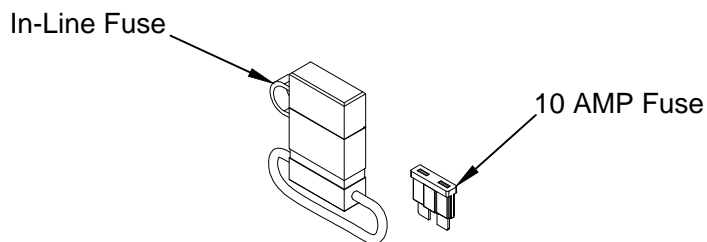


Figure 5: In-Line Fuse.

8. **ONLY FOR F3CL AND F3RE SERIES: Install** the six screws and front pannel of the Control Box and **Insert** the red key at the shut-off switch.
9. **Re-connect** power cable to the positive side of the battery.

Note: For F3CL and F3RE Series - In order for the liftgate to work, both the in-cab switch and the liftgate shut-off switch (red key at control box) must be ON.

10. **Verify** that liftgate works properly with switches on. When the in-cab switch is ON it will glow red.
11. **Verify** that Cab Cut-Off switch can disable the liftgate.

Anteo USA Recommended Electrical Wiring Guidelines

WIRE ROUTING

- (1) When routing wires, avoid heat (above 180°F), abrasion, vibration, metal edges, screws, and trim fasteners. If such routings are not possible, protective devices must be used. If wires must cross a metal edge, the edge should be covered with a protective shield and the wiring fastened within 3 inches on each side of the edge.
- (2) Grommets must be used where wires pass through holes in sheet metal, castings, and / or frame rails. Do not bend wires in a radius smaller than 10 times the wire diameter.
- (3) Routing wires into areas exposed to wheel wash should be avoided. If this cannot be avoided protective shields are required to protect the wires from stones, ice, salt and water damage. Provide a drip loop to prevent moisture from being conducted into switches, relays, circuit breakers, and fuses.
- (4) Wires should be supported every 18 inches with plastic zip ties or rubber-lined clips.
- (5) Wires must be routed to clear moving parts by at least 3 inches unless positively fastened or protected by a conduit. If wiring must be routed between two members where relative motion can occur, the wiring should be secured to each member, with enough wire slack to allow flexing without damage to the wire.
- (6) Maintain at least a 6 inch clearance from exhaust system components. If this is not possible, high temperature insulation and heat shields are required. Existing OEM heat shields, insulation, and wire shielding must be maintained.
- (7) Do not route or attach electrical wires to fuel lines. Route electrical wires at least 1-1/2 inches away from the engine.

BATTERY, WIRE, TERMINALS, AND CONNECTORS

- (1) Wire attachments at the battery must be protected from tension loads so there is no undue strain on the battery terminals. Wires should be routed down rather than horizontally from the terminals with no sharp bends adjacent to the connections.
- (2) Battery power for your Anteo should come directly from the battery or approved connection point through the supplied circuit breaker or fuse. The circuit breaker or fuse should be installed as close to the battery as possible.
- (3) Avoid splicing power cables. If splicing is necessary, the most durable splice joint will be bare metal barrel crimped, flow-soldered and covered with adhesive lined heat shrink tubing. Strip the wire ends making sure that individual conductor strands are not damaged. Use only rosin core solder, proper crimping tools, and wire with a gauge at least equivalent to the circuit being lengthened. Do not use electrical tape.
- (4) Battery cable terminals will be bare metal barrel crimped or flow-soldered and covered with adhesive lined heat shrink tubing.
- (5) Use wire connectors with locking features such as positive locking, inertia locking, bolt together, and soft mold-over with locking external retainers.

GENERAL

- (1) All frame contact areas must be wire brushed to bare metal, free of paint, dirt, and grease. Frame connections must be made using hardened flat washers under the bolt head and lock nuts. Corrosion preventive grease or compound is to be applied to the terminal area of the frame connection.
- (2) Frame cross members are not recommended as part of the ground return.
- (3) All circuit breakers and fuses should be located in one easily serviceable location with a means provided for identification of circuit function and current rating. If possible, avoid putting circuit breakers or fuses in the vehicle cab.
- (4) Before welding to the chassis disconnect the battery. Also disconnect the power train, engine, valve, and transmission control modules.
- (5) Do not alter vehicle ignition, starting, and / or charging systems. Do not reroute engine compartment wiring.
- (6) Full copper circuitry and standardized polarity grounds are recommended.
- (7) Never increase the rating of a factory installed fuse or circuit breaker.
- (8) Disconnect the battery negative (ground) wire prior to any vehicle modification.

Following the above guidelines will provide you with years of trouble free service. Failing to incorporate the above guidelines may result in a voided warranty. Non-compliance with the guidelines above may result in a failure of electrical components, shutdown of engines, loss of backup brake systems, and the possibility of fire.