Auxiliary Battery Box Overview

Function:
- To provide the adequate power and capacity to the liftgate’s power unit

Vehicle Applications:
- Semi Truck/Trailer
- Straight Trucks

Liftgate Applications:
- Tuckunder
- Rail

Long runs of liftgate power cable on semi-trailers and straight trucks cause a voltage drop from the vehicle’s power source. The low voltage can result with damage to the liftgate’s power unit. Auxiliary batteries correct the low voltage problem and increases the capacity of the current battery system.
## Auxiliary Battery Box Kit Details

### Contents:
- Battery box & mounting frame
- Battery hold downs
- Two circuit breakers
- Necessary hardware

*Kit contains all necessary components for installing an auxiliary battery system on an existing, dual conductor application (excluding batteries).*

### Mounting Requirements
- Truck or Trailer must have steel crossmembers
- Distance from the bottom of truck or trailer’s cross member to the ground shall be no less than 36” (laden).

### Battery
- 12v system
- Houses a maximum of two batteries
- Group 31 AGM batteries recommended (not included)

### Outside Box Dimensions
- Width 30.25"
- Height 21"
- Depth 17.25"

### Weight
- 137lbs (excluding batteries)
## Auxiliary Battery Trailer Wiring Kit Details

<table>
<thead>
<tr>
<th>Connection</th>
<th>Single pole</th>
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</thead>
</table>

**Contents:**
- 62' Single conductor power cable
- Ground cable
- Single pole power socket

**Maximum Trailer Length:** 53’

## Semi/Tractor Charge Line Kit Details

<table>
<thead>
<tr>
<th>Connection</th>
<th>Single pole</th>
</tr>
</thead>
</table>

**Contents:**
- 15' Single conductor power cable
- 15' Single pole charge line
- Single pole power socket and mounting bracket
- Circuit breaker
- Necessary mounting hardware
Ordering Guide Flowchart for Auxiliary Battery Kits

This flowchart will help determine which auxiliary battery kits are needed for an application.

Start

Order Aux Battery Box 014948

Decision: Existing

New or Existing Liftgate Application?

New

TKT OR Rail?  Truck

Installing Liftgate on Truck or Trailer?

TKT

Order TKT Bucket Kit w/ 38ft Power Cable

TKT or Rail?

Trailer

Rail

Order Aux Battery Trailer Kit (Single Pole) 014947

TKT

Order TKT Bucket Kit w/ 6ft Power Cable

TKT or Rail?

Installing Ahead or Behind the Axle?

Yes

Tractor Charge Line Needed?

No

Order Tractor Charge Line Kit (Single Pole) 014952

Ahead

End

Rail

TKT

Truck

B

B

C

A

A

C
The table below contains the same information as the flowchart on the previous page.

An "x" indicates an available kit for the corresponding application.

<table>
<thead>
<tr>
<th>Kits</th>
<th>Applications¹</th>
<th></th>
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<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Railgate</td>
<td>Tuckunder</td>
<td>Railgate</td>
<td>Tuckunder</td>
<td>Ahead of Axle²</td>
<td>Behind Axle²</td>
</tr>
<tr>
<td>014948 Aux Battery Box</td>
<td>x</td>
<td>x</td>
<td>x</td>
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<tr>
<td>014947 Aux Battery Trailer Wiring Kit</td>
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<tr>
<td>014952 Semi/Tractor Charge line Kit</td>
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<td>x³</td>
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<td>x³</td>
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</tr>
<tr>
<td>Bucket Kit with 6' Power Cable</td>
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<td>-</td>
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<td>x</td>
</tr>
<tr>
<td>Bucket Kit with 38' Power Cable</td>
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<td>x</td>
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</tr>
</tbody>
</table>

1. For existing liftgate applications, only 014948 is needed.
2. Position of auxiliary battery box in relation to the truck or trailer's rear axles.
3. 014952 may not be needed if existing semi/tractor already has a single pole charge line.