

Gasoline and Electric  
Vehicles equipped with a  
Carryall 2 or Carryall 6  
Industrial Van Box:

- Carryall 2
- Carryall 2 Plus
- Carryall 6
- Turf 2
- Turf 6
- Carryall 472
- XRT 1200 SE

# Van Box Ladder Rack Kit Installation Instructions

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SVP250101

Edition Code  
1205A00000

These instructions apply to the following kits:  
SVP231401



## GENERAL INFORMATION AND PRECAUTIONS

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*This publication provides detailed instructions for installing the van box ladder rack kit. Thoroughly review this document before any installation procedures are performed.*

*The following safety statements relate to specific safety issues and must be read, understood, and heeded before a kit is installed. Failure to do so could result in personal injury and/or property damage.*

### **DANGER**

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- **Battery – Explosive gases! Do not smoke. Keep sparks and flames away from the vehicle and service area. Ventilate when charging or operating vehicle in an enclosed space. Wear a full face shield and rubber gloves when working on or near batteries.**
- **Battery – Poison! Contains acid! Causes severe burns. Avoid contact with skin, eyes, or clothing. Antidotes:**
  - **External: Flush with water. Call a physician immediately.**
  - **Internal: Drink large quantities of milk or water. Follow with milk of magnesia or vegetable oil. Call a physician immediately.**
  - **Eyes: Flush with water for 15 minutes. Call a physician immediately.**
- **Gasoline/Diesel – Flammable! Explosive! Do not smoke. Keep sparks and flames away from the vehicle and service area. Service only in a well-ventilated area.**
- **Do not operate gasoline or diesel vehicle in an enclosed area without proper ventilation. The engine produces carbon monoxide, which is an odorless, deadly poison.**
- **A Club Car vehicle will not provide protection from lightning, flying objects, or other storm-related hazards. If caught in a storm while driving a Club Car vehicle, exit the vehicle and seek shelter in accordance with applicable safety guidelines for your protection.**

### **WARNING**

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- **Follow the procedures exactly as stated in this instruction, and heed all DANGER, WARNING, and CAUTION statements in this instruction as well as those on the vehicle and battery charger.**
- **Only trained technicians should service or repair the vehicle or battery charger. Anyone doing even simple repairs or service should have knowledge and experience in electrical and mechanical repair. The appropriate instructions must be used when performing maintenance, service, or accessory installation.**
- **Prior to servicing the vehicle or leaving the vehicle unattended, turn the key switch OFF, remove the key, and place the Forward/Reverse handle in the NEUTRAL position. Chock the wheels when servicing the vehicle.**

**Gasoline/Diesel vehicles only:**

- **To avoid unintentionally starting the vehicle:**
  - **Disconnect battery cables, negative (-) cable first (Figure 1).**
  - **Disconnect the spark plug wire from the spark plug on gasoline vehicles.**
- **Frame ground – Do not allow tools or other metal objects to contact frame when disconnecting battery cables or other electrical wiring. Do not allow a positive wire to touch the vehicle frame, engine, or any other metal component.**

**WARNING CONTINUED ON NEXT PAGE...**

## **WARNING**

### **Electric vehicles only:**

- **Electric Carryall Industrial trucks:**  
Press the emergency stop switch down before disconnecting or connecting the batteries.
- **IQ System and PowerDrive Plus vehicles (with serial number 9801 and greater):**  
Place Tow/Run switch in the TOW position before disconnecting or connecting the batteries. Failure to heed this warning could result in a battery explosion or severe personal injury.
- **All electric vehicles:**  
To avoid unintentionally starting the vehicle, disconnect the batteries as shown (Figures 2 through 4, starting on page 4).
- **IQ and IQ Plus System vehicles:**  
After disconnecting the batteries, wait 90 seconds for the controller capacitors to discharge.
- **Carryall Electric Industrial trucks:**  
After disconnecting the batteries, discharge the controller capacitors as follows:
  - Turn the key switch to ON, place the Forward/Reverse handle in the REVERSE position, and wait until the reverse warning buzzer can no longer be heard. When the buzzer stops sounding, the controller is discharged.
- **PowerDrive System 48, PowerDrive Plus vehicles, and 36-volt vehicles with speed controllers:**  
After disconnecting the batteries, discharge the controller capacitors as follows:
  - Turn key switch to ON and place the Forward/Reverse handle or switch in REVERSE.
  - Slowly depress the accelerator pedal and keep it depressed until the reverse warning buzzer can no longer be heard. When the buzzer stops sounding, the controller capacitors are discharged.

### **All vehicles:**

- **Wear safety glasses or approved eye protection when servicing the vehicle or battery charger. Wear a full face shield and rubber gloves when working on or near batteries.**
- **Do not wear loose clothing or jewelry such as rings, watches, chains, etc., when servicing the vehicle or battery charger.**
- **Moving parts! Do not attempt to service the vehicle while it is running.**
- **Hot! Do not attempt to service hot engine, exhaust system, or motor. Failure to heed this warning could result in severe burns.**
- **Use insulated tools when working near batteries or electrical connections. Use extreme caution to avoid shorting of components or wiring.**
- **Lift only one end of the vehicle at a time. Use a suitable lifting device (chain hoist or hydraulic floor jack) with 1000 lb. (454 kg) minimum lifting capacity. Do not use lifting device to hold vehicle in raised position. Use approved jack stands of proper weight capacity to support the vehicle and chock the wheels that remain on the floor. When not performing a test or service procedure that requires movement of the wheels, lock the brakes.**
- **If wires are removed or replaced, make sure wiring and wire harness are properly routed and secured. Failure to properly route and secure wiring could result in vehicle malfunction, property damage, personal injury, or death.**
- **For vehicles with cargo beds, remove all cargo before raising the bed or servicing the vehicle. If the vehicle is equipped with a prop rod, ensure that it is securely engaged while bed is raised. Do not close bed until all persons are clear of cargo bed area. Keep hands clear of all crush areas. Do not drop cargo bed; lower gently and keep entire body clear. Failure to heed this warning could result in severe personal injury or death.**

## PARTS IN THIS KIT

QTY	DESCRIPTION	PART NUMBER
2	Ladder Rack	SVP252501
4	5/16 Bolt	1010921
4	5/16 Bolt	1010577
8	5/16 Flat Washer	1241
8	5/16 Nut	101963401
16	Nylon Washer	1014528

### 1. DISCONNECT THE BATTERY CABLES

- 1.1. Disconnect the battery cables as instructed. See **WARNING "To avoid unintentionally starting..." on page 2.**
- 1.2. Disconnect the spark plug wire from the spark plug on gasoline vehicles.

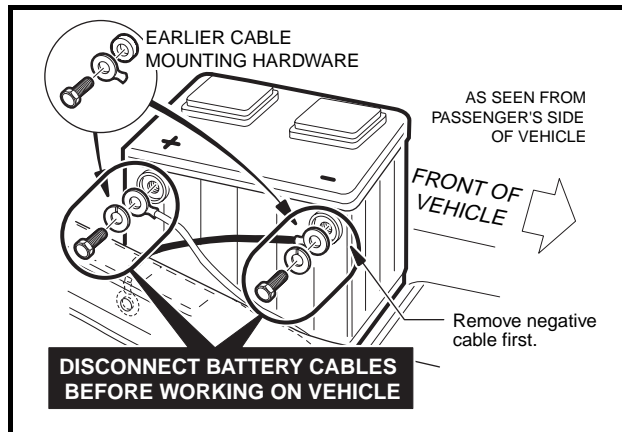


Figure 1 Battery Disconnect – Gasoline Vehicle

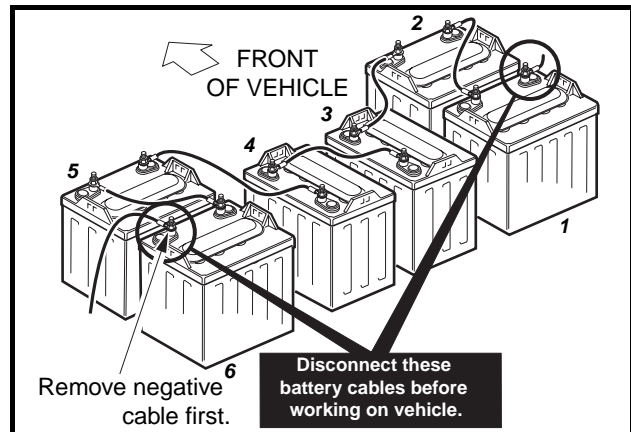


Figure 2 Battery Disconnect – PowerDrive System 48 Electric Vehicle

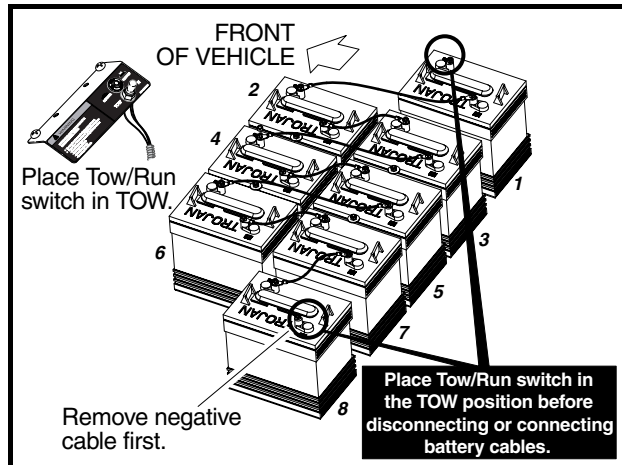


Figure 3 Battery Disconnect – IQ Plus Electric Vehicle

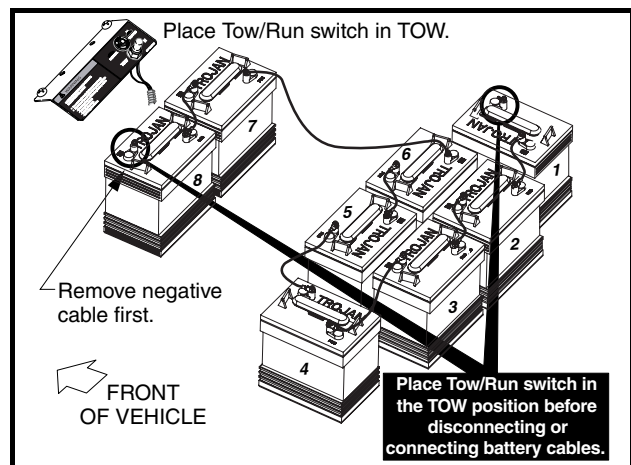


Figure 4 Battery Disconnect – IQ Plus Electric Vehicle

## 2. DRILL MOUNTING HOLES

- 2.1. Position ladder rack approximately 1 inch (2.5 cm) from each end and centered evenly on van box.
- 2.2. Use ladder rack as template to mark and drill four 5/16-inch diameter holes in top of van box.

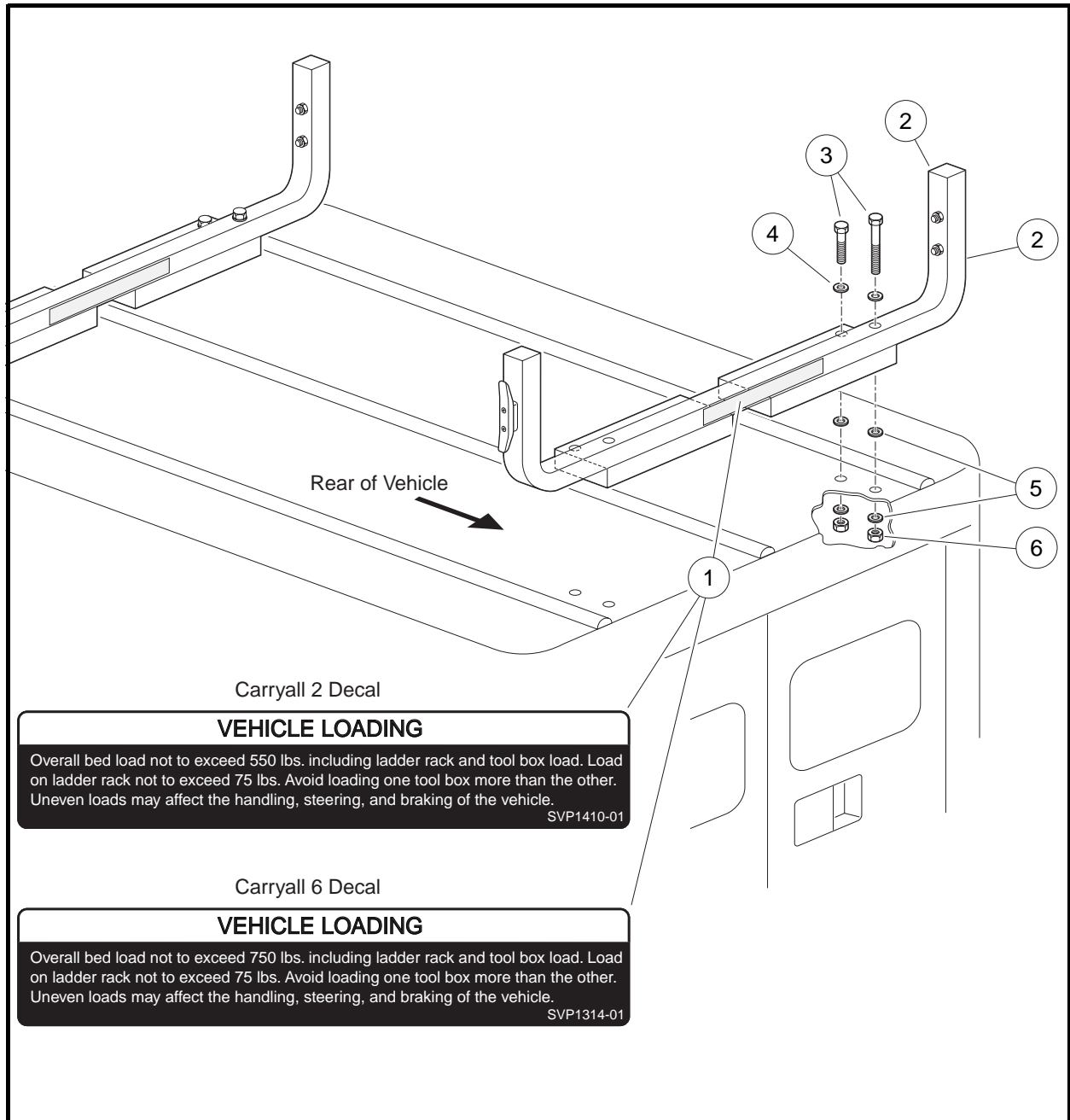


Figure 5 Install Ladder Rack

## 3. INSTALL LADDER RACKS

- 3.1. With decal (1) positioned toward rear of vehicle, secure each ladder rack (2) to van box with four bolts (3), four flat washers (4), eight nylon washer (5) and four nuts (6).

## 4. CONNECT BATTERY CABLES

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### **⚠ WARNING**

- **IQ System and PowerDrive Plus vehicles (with serial number 9801 and greater):**  
Place Tow/Run switch in the TOW position before disconnecting or connecting the batteries. Failure to heed this warning could result in a battery explosion or severe personal injury.
- Connect the battery cables, positive (+) cable first. For gasoline vehicles, tighten hardware to 20 ft-lb (27.1 N·m) **(Figure 1)**. For electric vehicles, tighten hardware to 110 in-lb (12.4 N·m) **(Figures 2 through 4, starting on page 4)**. Coat terminals with Battery Terminal Protector Spray (CCI P/N 1014305) to minimize corrosion.
- Connect the spark plug wire to the spark plug on gasoline vehicles.

### **QUESTIONS**

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Questions or comments regarding these kit instructions should be referred to your local Club Car dealer or distributor. Please know your vehicle model and have these kit instructions available when you call.



