

BV POWERSPORTS

QUICK ASSEMBLY GUIDE  
**TrailMaster Cheetah6**



**Parts Department**

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This unit should only be assembled and prepped by authorized BV Dealer or professional motorcycle mechanic. You should never to try to attempt assembly of this unit, it should be done by professionals. Death or serious injury could result from failure to follow these warnings and instructions.

**Caution:** Professional tools, equipment and personal protection equipments (gloves, eye protection shield) will be used during the assembly.

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# 1 Installation Quick Guide

## 1.1 Important Safety Information

- Never smoke in or near repair bays or garages. Vehicles contain flammable and combustible fluids which can easily be set on fire if a hot ash from a cigar or cigarette were to come into contact with such materials.
- Keep work areas clean and organized. Pick up tools and use tool cabinets to keep walkways clear and free from clutter.
- Never wear loose clothing or clothing that is ripped or torn. To prevent employees from wearing unacceptable attire, it is recommended to obtain customized uniforms and work apparel from a qualified uniform service company.
- Wear protective gear at all times, as appropriate for the repair. Goggles, gloves, and ear protection should be worn when making certain types of repairs.
- Make sure fire extinguishers are easily accessible and appropriate for all potential fire types. In the event of a fire, extinguishers need to be accessed quickly and be charged with the right materials to put out the type of fire: i.e., gas, oil, electrical, and so on.
- Always disconnect the battery when working on electrical systems and near/around electrical wiring. Even when the vehicle is off, there is still the potential for current to pass through electrical wiring.
- Never place hands, tools, or other objects near the engine while it is running. The moving parts and components could cause injury to a person or the vehicle itself.
- Never work underneath a vehicle unless it has been properly supported. Raising the vehicle off the ground to access the underside requires verifying it is stable, and that there is no risk of the vehicle falling on top of the mechanic.

## *1 Installation Quick Guide*

- Always remove the keys from the ignition switch. Never leave the key in the ignition switch, as the key can draw an electrical charge from the battery. Also, avoid unplugging fuses and wiring harnesses while the key is in the “on” position. Otherwise, there is a risk of electrical shock, and/or electrical spikes that may damage electronic parts and wiring.
- Be aware of the vehicle’s temperature before beginning any work. The engine, manifold, exhaust system, and radiator could be hot and cause skin burns. Plus, the radiator coolant is still pressurized.

## **1.2 Remove the Outside Cardboard Box**



Figure 1.1: Open the Package

### **1.3 Remove the Top Steel Frame, Take Out Long Side Bars and Flag Pole**



Figure 1.2: Remove the Frame

## 1.4 Remove Front Support Arms



Figure 1.3: Remove Front Support Arms

DO NOT DROP the BOLTS and NUTS on the BODY FRAME.  
They are used for assembling the Front Shocks.

## 1.5 Remove Rear Support Arms



Figure 1.4: Remove Rear Support Arms

DO NOT DROP the BOLTS and NUTS on the BODY FRAME.  
They are used for assembling the Rear Shocks.

## 1.6 Move to Everything Work Area



Figure 1.5: Everything

## 1.7 Components

### 1.7.1 Componets Diagram

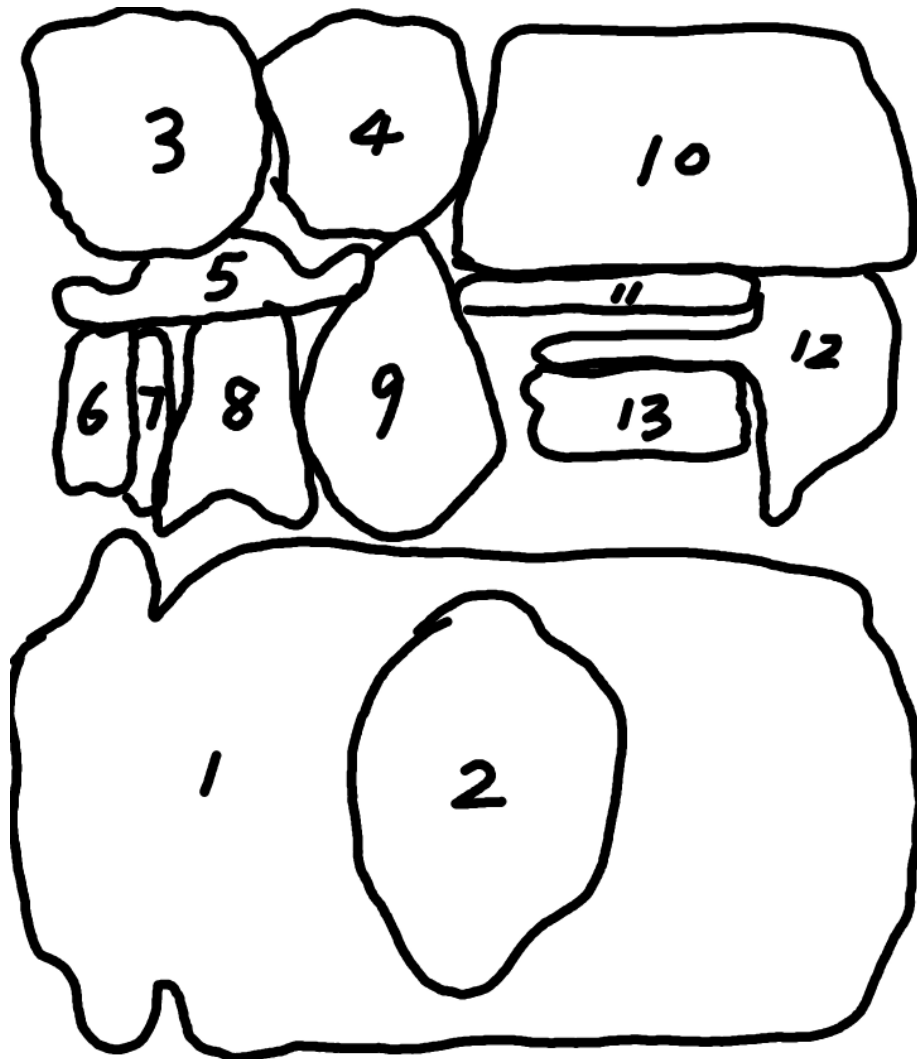


Figure 1.6: Componets Diagram



## 1.7.2 Componets List

Table 1.1: Components List

Position	Products	Usage References
1	Vehicle Body	
2	Accessories Bag	Page.10
3	Rear Wheels	Page.17
4	Front Wheels	Page.16
5	Protecting Bar	Page.23
6	Front Shocks	Page.14
7	Rear Shocks	Page.15
8	Rear Under Cover	Page.20
9	Rear Above Cover	Page.20
10	Rear Cage Rack & Tank	Page.20
11	Rear Above Cross Bar	Page.19
12	Top Above Cross Bar	Page.19
13	Rack Support Arms	Page.20

## 1.8 Accessories

### 1.8.1 Accessories Diagram



Figure 1.7: Accesories Picture

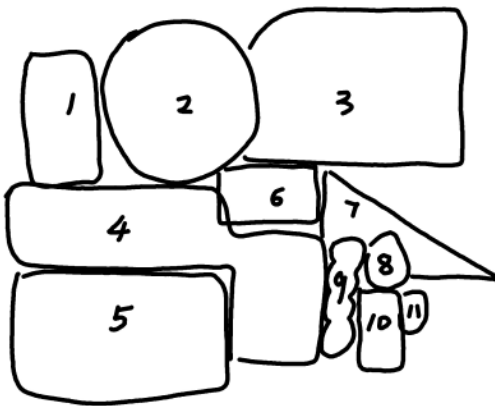


Figure 1.8: Accesories Diagram

## 1.8.2 Accesories List

Table 1.2: **Accesories List**

<b>Position</b>	<b>Products</b>	<b>Usage References</b>
1	Hardware Kit	Page.12
2	Steering Wheel	Page.22
3	Awning	Page.19
4	Pad For Top Bars	Page.19
5	Manuals	
6	Battery	Page.24
7	Flag	
8	Steering Bolt Cover	Page.22
9	Hub Cover	Page.16, Page.17
10	Lower Battery Cushion	Page.24
11	Flag Pole Holder	

## 1.9 Hardware Kit

### 1.9.1 Hardware Diagram



Figure 1.9: Hardware Kit

## 1.9.2 Hardware List

Notice: Not every parts will be used during the assembly.  
Some are for your backup.

Table 1.3: **Hardware List**

<b>Position</b>	<b>Hardware</b>	<b>Specification</b>	<b>Usage References</b>
1	Flange Bolt	M8-1.25x50mm	Page.18, Page.19 Roll Bars
2	Flange Bolt	M8-1.25x45mm	Page.23 Protecting Bar
3	Flange Bolt	M8-1.25x35mm	
4	Flange Bolt	M8-1.25x25mm	
5	Flange Bolt	M6-1.0x12mm	Page.20 Rear Cover
6	Flange Bolt	M6-1.0x8mm	Page.20 Rear Cover
7	Flange Bolt	M10-1.25x40mm	
8	Flange Bolt	M10-1.25x45mm	
9	Flange Bolt	M6-1.0x16mm	Page.22 Steering Wheel
10	Washer	ø12	Page.16 Front Wheel
11	Castle Nuts	M12	Page.16 Front Wheel
12	Castle Nuts	M10	Page.14 Spindle Bottom
13	Washer	ø6	Page.22 Steering Wheel
14	Spring Washer	ø10	Page.14 Spindle Bottom
15	Locking Nut	M6	Page.22 Steering Wheel, Page.20 Rear Cover
16	Locking Nut	M10	
17	Cotter Pin	ø3x30mm	Page.14 Spindle Bottom, Front Wheel
18	Locking Nut	M8	Bars
19	Cotter Pin	ø4x40mm	Page.17 Rear Wheel
20	R-Washer		Page.18, Page.19 Roll Bar
21	Battery Cover		Page.24 Battery
22	Washer	ø16xø40-3	Page.17 Rear Wheel
22	Castle Nut	M16	Page.17 Rear Wheel
23	Battery Stap		Page.24 Battery

## **1.10 Install the Front Shocks and Spindle**



Figure 1.10: Install the Front Shocks and Spindles

## **1.11 Install the Rear Shocks**

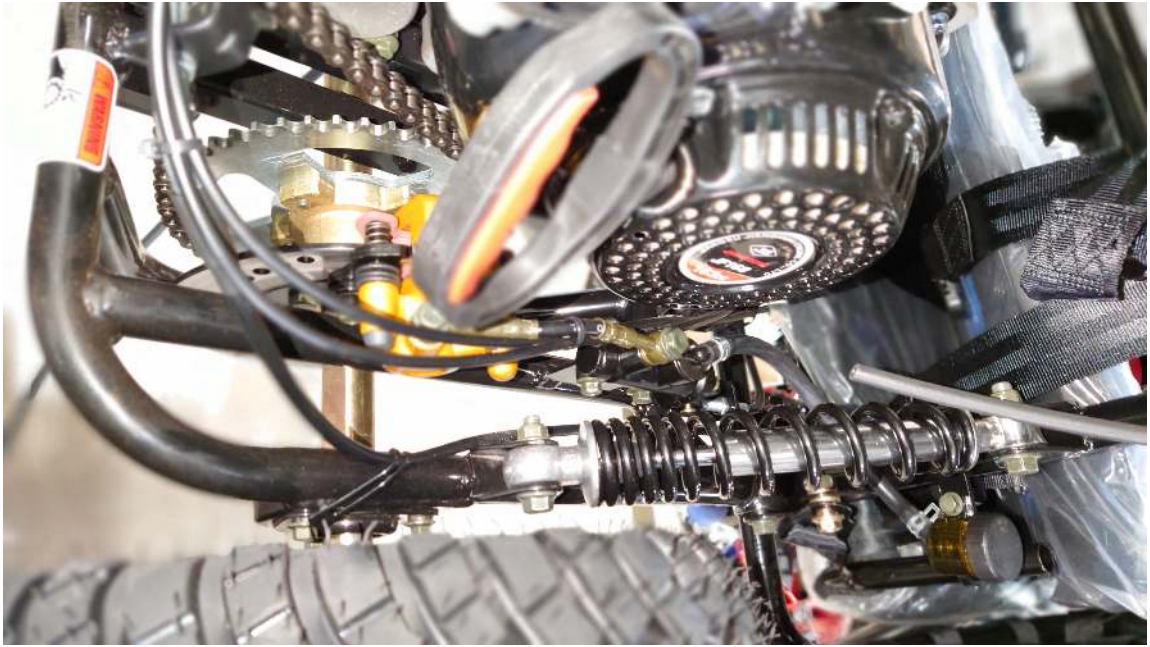


Figure 1.11: Install the Rear Shocks

## 1.12 Install the Front Wheel



Figure 1.12: Install the Front Wheel



## 1.13 Install the Rear Wheel



Figure 1.13: Install the Rear Wheel

## 1.14 Install the Long Side Bars



Figure 1.14: Install the Long Side Bars

*1.15 Install the Cross Bar Rear and Cross Bar Top*

## **1.15 Install the Cross Bar Rear and Cross Bar Top**



Figure 1.15: Install the Top Cross Bars

## 1.16 Install Rear Cage Rack and Rear Cover



Figure 1.16: Install Rear Cage Rack and Cover

## 1.17 Connect Fuel Tube



Figure 1.17: Connect Fuel Tub

## 1.18 Install Steering Wheel



Figure 1.18: Install Steering Wheel

Cover the Bolt Cover:



## 1.19 Install Protecing Bar



Figure 1.19: Install Protecting Bar

## 1.20 Set Up Battery



Figure 1.20: Set up Battery