

**BUGGY SETUP GUIDE**

**Volume**

**1**

**GOKARTSUSA**

---

**GY6 150, CN250**

# **Buggy Setup Guide**

GY6 150, CN250 DUNE BUGGY

# Buggy Setup Guide

---



© GOKARTSUSA.COM  
2000 Highway 50 • S. Lake Tahoe, CA 96150  
Phone 800.603.1437

**GokartsUSA is a Nationwide Supplier of Powersports Products**

# Table of Contents

## CONTENTS

<b>Factory Direct</b>	<b>4</b>
<b>Mechanic Advisory</b>	<b>4</b>
<b>Components to be Installed</b>	<b>4</b>
<b>Buggy Setup</b>	<b>5</b>
<b>Uncrate your Buggy</b>	<b>7</b>
<b>Attach Shock Absorbers</b>	<b>8</b>
<b>Install Wheels</b>	<b>9</b>
<b>Battery Installation</b>	<b>11</b>
<b>Seat Installation</b>	<b>13</b>
<b>Steering Wheel Installation</b>	<b>14</b>
<b>Roll Cage Installation</b>	<b>15</b>
<b>Install Radiator Coolant (250 models)</b>	<b>16</b>
<b>Install Engine Oil</b>	<b>17</b>
<b>Install Gear Oil</b>	<b>17</b>
<b>Fuel Line Installation</b>	<b>18</b>
<b>Vacuum Line Installation</b>	<b>19</b>

# Buggy SETUP

## Factory Direct

When you purchase a Buggy Factory Direct, you can save a substantial amount of money. However, this means you must perform the vehicle setup when your Buggy arrives.

Your Buggy is NOT A KIT. Your Buggy is assembled at the Factory, and then packaged for shipping. It will arrive with ALL MAJOR COMPONENTS INSTALLED including, Engine, Transmission, Brakes, Steering Systems, and Controls etc.

Your Buggy will arrive in a large crate. You must uncrate and setup your Buggy when you receive it. This guide is indented to supplement the setup guide provided by the manufacturer

**Mechanic:** Although the setup is not a particularly difficult task, it does require some mechanical expertise. It is strongly recommended that if any setup task is beyond the scope of expertise of the customer, that the customer seeks a qualified mechanic to perform the setup of the vehicle. In addition to voiding the warranty, Damage, Serious Injury or Death can result from improper setup of a vehicle.

---

### COMPONENTS THAT MUST BE INSTALLED

---

- Wheels
  - Seats
  - Roll Cage
  - Battery
  - Lights
  - Fuel Lines
  - Fluids
-

# Buggy Setup

This manual serves as a general guideline and is not model specific

Buggies are assembled, tested and adjusted at the factory, and then packaged for shipping

Your Buggy will arrive with ALL MAJOR COMPONENTS INSTALLED including, Engine, Transmission, Brakes, Steering Systems, and Controls etc

Setup generally requires installation of:

- Wheels
- Seats
- Roll Cage
- Battery
- Lights (if so equipped)
- Fuel Line
- Fluids

It is strongly recommended that setup of your Buggy be performed by a Qualified Mechanic



GokartsUSA is a Nationwide Supplier of Powersports Products

**Your Buggy will arrive in a metal Crate**



GokartsUSA is a Nationwide Supplier of Powersports Products

## Uncrate your Buggy

**WARNING:** Buggies weigh 500 pounds or more. Make sure to have some help for this step



Remove all of the bottom bolts from around the crate and lift the upper part of the crate frame as one piece.

### COMPONENTS TO BE INSTALLED:

- 2 Seats
- 4 Wheel & Tire Assemblies
- Roll Cage Rails and Bars
- Steering Wheel
- Battery Kit

### **Attach the Shock Absorbers**

Line up the shock with its mount on the frame, insert the bolt, thread on the nut and tighten

Repeat this process on the other side





## Install the Wheels

- Jack up one side of the buggy and insert jack stands
- Remove the 4 lug nuts and washers the hub

Some Buggies ship with uni-directional tires while others come with bi-directional tires

- Uni-directional tires must be installed on a correct side. Find the arrow on the tire sidewall. The arrow MUST point towards the front of the buggy
- Bi-directional tires have a tread that more closely resembles knobby tires for dirt motorcycles and can roll in either direction



Place the wheel onto the hub



Install the lug nuts. The flat washer goes on first, then the lock washer, then the lug nut

## Battery Installation



### Battery Kit:

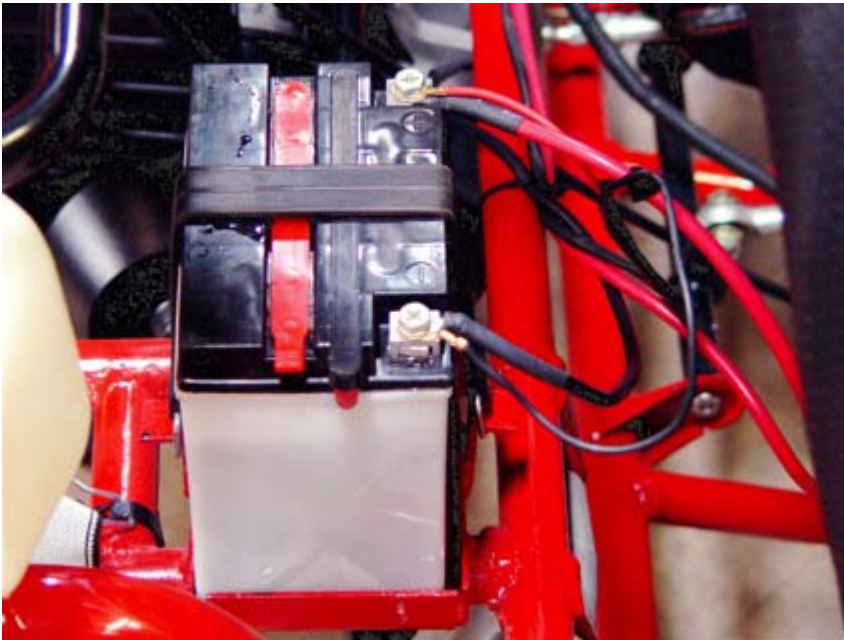
- Battery
- Battery Acid
- Battery Cell Caps
- Rubber Battery Cushion
- Battery Cover
- Terminal Screws

### Battery Setup:

1. Follow the enclosed instructions to fill the battery with the battery acid
2. Charge the Battery for 8 hours
3. Place the battery on the cushion in the tray
4. Connect the Battery Cables to the battery using the terminal screws provided in the battery kit

The RED wire connects to the POSITIVE (+) terminal,  
The BLACK wire connects to the NEGATIVE (-) terminal

**NOTE:** Do NOT reverse these connections, or you will damage the electrical system and void your warranty



### Install Seats



Place the seat in the buggy and use the seat adjustment rails to align the mounting bolts with the mounting tabs

Thread the mounting nuts onto the bolts and tighten them

## Install Steering Wheel

Remove the nuts from the steering wheel mounting screws

Line up the screws with the holes in the steering wheel mount

**NOTE:** Ensure that your front wheels are aimed straight ahead before attaching the steering wheel



## Install Roll Cage

Remove the roll cage mounting bolts and adaptors from the front and rear mounts

Insert the front of the bar into the front mount first, then insert the rear of the bar into the rear mount

Insert the screws and thread the adaptor nuts onto them, but do not tighten at this time

NOTE: Sometimes it takes a bit of jockeying the bar around to get it onto the mounts



Once all bolts are inserted and well started, you can tighten all the bolts, starting from the bottom and working your way upwards

## **Install Radiator Coolant** (250 Models)

**Your Buggy ships from the factory with NO coolant in the cooling system. If anything, it is shipped with water only. BEFORE operating your buggy, you MUST:**

- 1.** Purchase a bottle of automotive antifreeze
- 2.** Remove the radiator cap from the radiator
- 3.** Disconnect the lower radiator hose from the radiator and allow the water to drain from both the hose and radiator
- 4.** Re-attach the lower radiator hose to radiator
- 5.** Fill the cooling system with the same ratio of antifreeze to water that you would use in your full-size automobile. This ratio will vary according to the region/climate in which you live
- 6.** Bleed the air from the cooling system as follows:
  - a.** Leave the cap OFF of the radiator
  - b.** Start the engine
  - c.** After the engine warms and the thermostat opens, an air bubble will surface in the radiator and the coolant level will go down
  - d.** Top off the cooling system so that the coolant level is at the bottom of the radiator filler neck
  - e.** Replace the radiator cap on the radiator
  - f.** Now fill the coolant overflow tank about 1/4 full with coolant.

**WARNING:** *Running the engine without the cooling system being properly filled voids your warranty!*



## Install Engine Oil

### Engine Oil

Even though your Buggy is shipped from the factory with *some* oil in the crankcase, there is almost always leakage during transit. You must check and fill your engine to the proper oil level using the dipstick on the engine oil filler plug before operating your engine.

Also go through all the nuts and bolts and ensure that they are tight. Sometimes they come loose during the trip from China.

**WARNING:** *Running the engine without the crankcase being properly filled voids your warranty!*

## Install Gear Oil

The final step is installing a proper level of Gear Oil. Open the filler cap on the Reverse Gear Box and fill with Gear Oil. There is no dipstick on the gear box.

## Install the Fuel Line

### Fuel Line

Identify the Fuel Line. Most 150 and 250 Buggies have 2 lines coming out of the Fuel Valve. One Line, usually the one with a Fuel Filter connected to it, is the Fuel Line.

The other line is the Vacuum Line.

First, connect the fuel line to its nipple on the carburetor and fasten with the butterfly clamp provided.



## Install the Vacuum Line

### Vacuum Line

The remaining line connected to the Fuel Valve is the Vacuum Line. Proper installation of the Vacuum Line is important because it opens the Fuel Valve with Vacuum.

Connect the Fuel Valve's vacuum line to the engines vacuum Y-connector as shown below:



NOTE: Sometimes, the factory will plug the Y-connector into the Carburetor drain hose for shipment. If this is the case, disconnect the Y-connector, and then insert the Y-connector into the fuel tank's vacuum line.