



# TrailMaster MINI XRX

---

## Set up instruction

**Version: 2.0**

**2011/11/28**



This set up instruction guides our customer to set up the go kart TrailMaster MINI XRX step by step to ensure a correct assembly for safe driving.

1. Check the components after opening the box.

1.1 Battery (pic. 1): type 12N9-BS (12V9Ah), includes one battery, one battery liquid, two bolts and nuts for installation.



Pic.1

1.2 One sport steering wheel (pic.2)



Pic.2

1.3.1 one standard parts package, one manual, one flag, one battery cover, one battery strap, one battery lower cushion, four hub covers, plastic fixing bolt and nut for flag, 5 cable bundles and one steering bolt cover (pic.3)



Pic.3

1.3.2 In the standard parts package: 14 bolts M8x45, 2 cotter pins 3X40, 2 cotter pins 2.5X25, 2 castle nuts, 20 R-washers, 6 self-locking nuts M8, 4 M8x35 bolts, 1 M6x30 bolt, 1 M6x12 bolt, 1 M6x16 bolt and 2 self-locking nuts M6 (pic.4)



Pic.4

1.4 1 set of sport seats (Pic.5)



Pic.5

## 1.5 Two bar cages (pic. 6)



Pic.6

## 1.6 One top cross bar (Pic.7)



Pic.7

## 1.7 Two side bars for left and right side with tube seats (Pic. 8)



Pic.8

1.8 One top cross bar with tube seats (Pic.9)



Pic.9

1.9 front wheels left and right; rear wheels left and right (pic.10)



Pic.10

1.10 1 stand exhaust guard and bracket (Pic.11)



Pic.11

## 2. Assembly

2.1 Assemble the rear shocks (pic.12): take down the bolts from the shocks, lift the rear swing arm to let the top of shock into the fixing seats

of frame, use 22-29NM torque to fix the shocks attached the frame. (Note: 1NM = 0.74 lb ft)



Pic.12

2.2 Assemble the rear wheels (pic.13): Take off the nut M14x1.5 and  $\Phi$  14 washer from the rear axle. Raise up the tail part and set up the rear wheel onto the rear axle, screw the washer and nut screw tightly with 83-98NM, then open the cotter pin 3X40 for fixing, cover the hub cover.

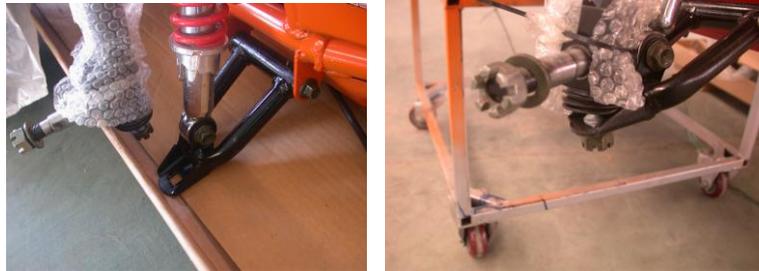


Pic.13

2.3 Assemble front lower suspension arm (Pic.14): lift the front part of go kart onto a table. Take down the nut and washer from the spindle and strut support, insert the ball head into the mount position of lower suspension arm (square part of ball head is placed to the square hole of suspension

arm), put on the washer and nut. Screw on the bolt with torque 37-44NM.

At last open the cotter pin 2X20 for fixing.



Pic.14

2.4 Assemble the front wheel (pic.15): Take off the nut M12x1.25 and  $\Phi$  12 washer from the rear axle. Raise up the front part and set up the rear wheel onto the rear axle, screw the washer and nut screw tightly with 55-62NM, cover the hub cover.



Pic.15

2.5 Assemble the sport seat (Pic.16): Take down the bolt from the middle fixing point of safety belt, unloose the safety belt. Cut a 50mm long gap on the seam between seat and back. Insert the safety belt through the gap, install the sport seat on the frame, and screw on the 4 M8x35 bolts to fix the sport seat and safety belt.



Pic.16

2.6 Assemble the long bar cages (Pic.17): put two sides of long bar cages onto the connection rods on frame fixing with bolt M8x45, R-washer and M8 nut. Tighten the bolts.



Pic.17

2.7 Assemble the side bar (pic.18): Put one side of side bar attaching the long bar cage, connect the side bar and the long bar cage together with bolt M8x45, R-washer, screw the bolts 3 turns. Connect another side of side bar onto the connection rod of frame with R-washer, bolt M8x45 and bolt. Screw on all the bolts tightly.



Pic.18

2.8 Assemble the cross bar (Pic.19): Connect the cross bar with two long bar cages with bolt M8X50 and R-washer, do not tightening the bolts at this step.



Pic.19

2.9 Assemble the roof rack bars (pic.20): fix the rear cross bar with long bar cage together using bolt M8x50 and R-washer.



Pic.20

- 2.10 Screw on the bolts from step 2.6 to 2.9 with torque 22-29NM.
- 2.11 Assemble the yellow flag and flagpole: use the plastic bolt and nut to fix the flagpole on the rear cargo rack.
- 2.12 Install the battery, battery cover: put the battery liquid into the battery body, close the battery cover. Put the cushion plate into the battery mount box. Connect the battery wires to the battery poles “+ to +; - to -”, cover them. Put the wired battery into the battery mount box covered with the plastic protection cover, put the wires out through the protection cover slot, fasten the battery with battery strap. (Note: because the battery liquid and wiring of battery poles are dangerous, only experienced adult can carry out this carefully with protection measures (protective glove, Prevent electric screwdriver).
- 2.13 Assemble the steering wheel: Check the front wheel is at the straight position. Take down the bolts on steering shaft, put the steering wheel correctly onto the steering shaft (as shown in pic. 21). Screw the bolts with 11-16NM torque. Cover the steering bolt cover.



Pic.21

- 2.14 Assemble the stand exhaust guard and bracket (Pic.22): place the stand exhaust guard on the mounting place of engine, insert the M6x12

bolt from back to front and screw with a M6 self-locking nut. Fix the left side of stand exhaust guard with M6x12 bolt as shown in Pic.22, fix the bracket on the cylinder head of engine. Screw tightly all the parts with M6x16 bolts and M6 self-locking nuts.

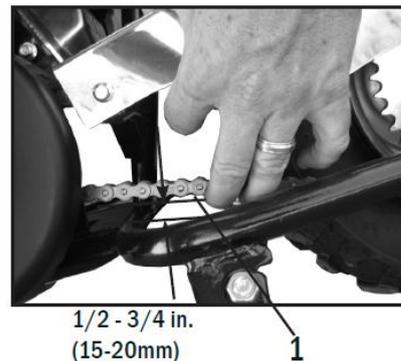


Pic.22

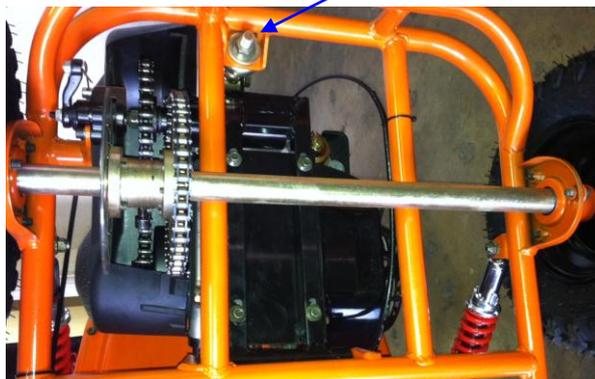
### 3. Chain Adjustment

In order to package the go-kart better, the chain adjuster is loosen by packaging for shipment. The customer should adjust the chain before driving. In this instruction the process of chain adjustment is detailed introduced:

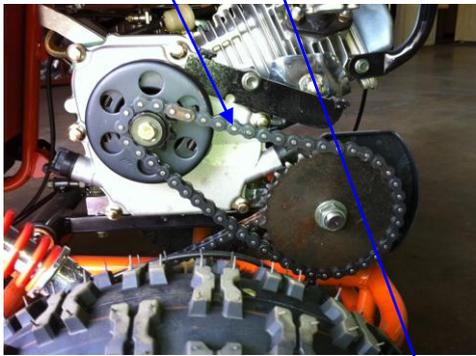
A. For the new purchased go-kart, the customer should only tighten the nut of chain adjustor to adjust the rear chain. The initial adjustment of chain has been carried out before delivery. The tension of chain adjustment is required between 15-20mm.



B. If after step. 1 tightening the nut of chain adjustor the chain is still too loose or too tight, another nut at the underpart of chain adjustor must be adjusted accordingly.



C. After the go-kart has been driven for a while, the drive chain on clutch will be loosen and should be readjusted. At first, four bolts fixing the engine on mount plate have to be loosen until the engine can be moved. Then, adjust the chain adjusting bolt at the front side of engine to tighten the chain to an appropriate tension. At last, after adjusting screw the four bolts tightly.



Before driving please read the user manual of TrailMaster Go-kart MINI XRX carefully, you will be given with important safety information and advices.

Thanks a lot for choosing TrailMaster Go-kart MINI XRX.

For more products of TrailMaster, please visit [www.bvpowersports.com](http://www.bvpowersports.com) !

BV Powersports, LLC