TrailMaster 300E XRX

Set up instruction

Version: 1.0
2020/9/01

!!Note: This instruction is for authorized or trained mechanic use only!!

1. Check the components after opening the box.

1.1 Battery (pic. 1): type YTX12-BS (12V10Ah), includes one battery, one battery liquid, two bolts and nuts for installation.

Pic. 1

1.2 One set of front fenders for left and right (pic. 2)

Pic. 2

1.3 One set of rear fenders for left and right, two bolts M8x45 screwed in the brackets (pic.3)

Pic. 3

1.4 One fuel tank (pic. 4): preassembled with auto fuel lock, vacuum tube, tank cap, tank collars, tank rubber mounts and sticker.

Pic. 4

1.5 One set of awning and two foam paddings (pic.5)

Pic.5

1.6 One steering wheel (pic.6)

Pic.6

1.7.1 one standard parts package, one manual, one flag, one battery cover, one battery strap, one battery lower cushion, four hub coves, plastic fixing bolt and nut for flag and 10 cable bundles (pic.7)

Pic.7

1.7.2 In the standard parts package: 4 bolts M8x25, 2 cotter pins 2.5X25, 24 R-washers, 8 self-locking nuts M8, 14 bolt M8x55, 2 bolts M8x50, 2 bolts M10x20 (pic.8)

Pic.8

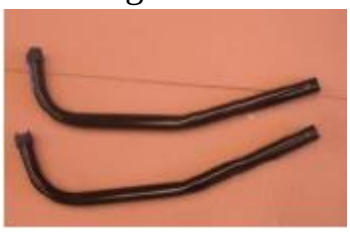
1.9 Two long side bar (pic. 10)

Pic.10

1.10 One top cross bar preassembled with tube seats and rear mirror (pic.11)

Pic.11

1.11 Two side bars for left and right side with tube seats (pic. 12)



Pic. 12

1.12 One top cross bar with tube seats (pic.13)

Pic. 13

1.13 One rear cargo rack preassembled with tube seats, rail light (pic.14)

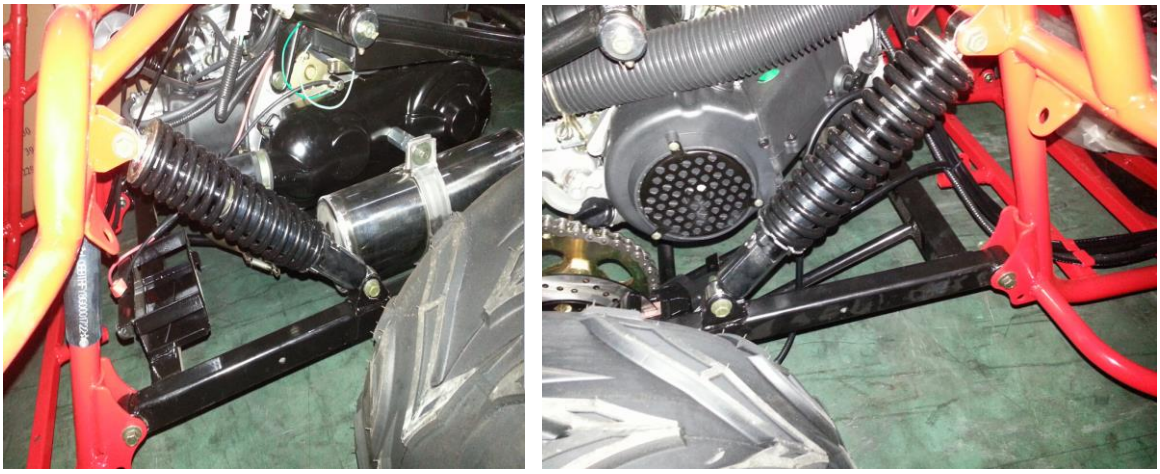
Pic. 14

1.14 front wheels left and right; rear wheels left and right (pic.15)

Pic.15

2. Assembly

2.1 Assemble the rear shocks (pic.16): take down the bolts from the shocks, lift the rear swing arm to let the top of shock into the mounting on frame, use 55-62NM torque to fix the shocks attached the frame. (Note: 1NM = 0.74 lb ft)



Pic.16

2.2 Assemble the rear wheels (pic.17): screw the castle nut M16x1.5 tightly with 98-103NM, then open the cotter pin 3X40 for fixing, take down the nuts on the rear axle hub, lift the frame to install the wheel (please pay attention to the right direction of wheel installation as shown in the pic. 17), screw the tire nuts tightly with torque 37-44NM, cover the hub cover.

2.3 Assemble the front lower suspension arm (pic.18): lift the frame over the ground, take down the bolts and washers on the bulbs of strut, attach the lower suspension arm to the strut, put on the washer and castle nut in order, screw the nut with 55-62NM torque, fix the cotter pin 2.5X25 through the castle nut.

Pic.18

2.4 Assemble the front shock absorber (pic.19): Take down the bolt on the shock absorber, attach the shock absorber to the front lower suspension arm, and fix the bolt with 37-44NM torque.

Pic. 19

2.5 Assemble the front wheel (pic.20): Take down the tire bolts on the hub, set up the front wheel on the right position of hub, fix the tire bolts with 37-44NM torque, put on the hub cover.

Pic.20

2.6 Install the gas tank on the rear cargo rack using M8x25 bolt and 22-29NM torque (pic. 21)

Pic. 21

2.7 Assemble the rear cargo rack (pic.22): After the front and rear wheels have been assembled correctly, push the kart out from the bottom board. Hold the rear cargo rack aiming installation positions on the cargo rack and the frame (to avoid bumping between frame and cargo rack, please lay on some air bubble on the frame for better protection!), put the R-washers onto the bolts M8X50, screw on the bolts 3circle. Then put on the bolts M8x20 and M8 self-locking nut to the rack support arms, attach the arms with rear cargo rack and frame together, tightening all the bolts. Then hook up the rear brake light's wire.

Pic. 22

2.8 Assemble the long bar cages (pic.23): put two sides of long bar cages onto the connection rods on frame and rear cargo rack fixing with bolt M8x55, R-washer and M8 nut. Tightening the bolt.

Pic. 23

2.9 Assemble the side bar (pic.24): Put one side of side bar onto the connection rod of frame, connect the side bar with frame together with bolt M8x55, R-washer and M8 nut, do not tightening the bolts. Connect another side of side bar with long bar cage together with R-washer and bolt M8x55. Screw on all the bolts tightly.

Pic. 24

2.10 Assemble the cross bar (pic.25): Connect the cross bar with two long bar cages with bolt M8X55 and R-washer, do not tightening the bolts at this step.

Pic. 25

2.11 Assemble the roof rack bars and head light (pic.26): fix the rear cross bar with long bar cage together using bolt M8x55, R-washer. Assemble the bolt M8X115, washer ∮ 8, head light and bushing in order onto the front bar cage of roof rack through long bar cage, adjust the head light to a right angle, screw on the bolt M8x115 with torque 22-29NM.

Pic. 26

2.12 Screw on the bolts from step 2.6 to 2.11 with torque 22-29NM.

2.13 Install the form padding and canopy top (Pic. 27)

Pic. 27

2.14 Assemble the seat back (pic.28): Insert the seat backs into the mount holes of seat base. Install the safety belts.

Pic. 28

2.15 Connect the fuel tubes: connect the fuel tube to the fuel injector and connect the vacuum tube to the air box as shown in pic.29 (for better understanding we use parts images to show the connection)

Pic. 29

2.16 Assemble the front fender (pic.30): take down the bolts on the strut, assemble the fender, and tighten the bolt with torque 11-16NM.

Pic.30

2.17Assemble the rear fender (pic.31): take down the M8x45 bolts from the fender bracket, assemble the rear fender, screw on the bolts with torque 22-29NM.

Pic. 31

2.18 Assemble the yellow flag and flagpole: use the plastic bolt and nut to fix the flagpole on the rear cargo rack.

2.19 Install the steering wheel

2.20 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).

All contents in this instruction are for information only, parameter and pictures may vary or change without further notice.

Before driving please read the user manual of TrailMaster Go-kart 300E XRX carefully, you will be given with important safety information and advices.
Operate the Go-kart 300E XRX with caution; always wear helmet and gloves!

Thanks a lot for choosing TrailMaster Go-kart 300E XRX.