



# TrailMaster

# Challenger 150UTV

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## Set up instruction

Version: 1.0

2014/06/02



This set up instruction guides our customer to set up the go kart TrailMaster Challenger 150UTV 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 YTX12-BS (12V10Ah), includes one battery, one battery liquid, two bolts and nuts for installation.



1.2 front top cage (1 pc)



1.3 rear top cage (1 pc)



1.4 Front bumper with pre-assembled light set (1 pc)



1.5 Front bumper mounting bracket (1 pc)



1.6 Steering wheel (1 pc)



1.7 Owner's manual (1 pc), battery box (1 pc), battery strap (1 pc), battery cushion (1 pc), wheel hub cover (4 pcs), cable ties (10 pcs), steering wheel cover (1 pc)



1.8 Left and right front wheel (each 1 pc), left and right rear wheel (each 1 pc)



1.9 One hardware bag with: 4 of M8X55 bolts, 4 of M8X30 bolts, 2 of 3X40cotter pin, 8 of R-washer, 8 of M8 self-locking nuts, 16 of M10\*1.25 self-locking nuts, 3 of GB5783 M6x16 bolts, 2 of GB5789 M6x16 bolts, 2 sets of safety belt mounting bolts, 8 sets of plastic expansion bolt, 4 of GB9074.6 M6X16 bolts.



1.10后减震器 1 根



## 2. Assembly:

2.1 Assemble the rear shocks (pic.17): 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 37-44NM torque to fix the shocks attached the frame. (Note: 1NM = 0.74 lb ft):



2.2 Assemble the rear wheels (pic.18): 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. 18), screw the tire nuts M10x1.25 tightly with torque 37-44NM, cover the hub cover.



2.3 Assemble the front shocks: Take down the bolt on the shocks, attach the shock to the front lower suspension arm, and fix the bolt with 37-44NM torque:



2.4 Assemble the front wheel: 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.



2.5 Front bumper mounting bracket assembly: assemble the front bumper mounting bracket on the UTV frame using GB5789 M6x16 bolts, PLEASE DO NOT TIGHT THE BOLTS AT THIS STEP.



2.6 Front bumper assembly: fix the front bumper assembly using the plastic expansion bolts with the dash board, then use 2 of the GB9074.6 M6x16 bolts to fix the front bumper on the mounting bracket.



2.7 Cable connection of light set on front bumper: fix the M6x16 bolts in step 2.5; connect the cables and tight them using cable ties.

2.8 Head rest assembly: Insert the assembly bars of head rest into the mount holes of seat.



2.9 Roll cage assembly: Mount the front roll cage on the frame (use R-washer, M8X55 bolts and M8 self-locking nuts); Mount the rear roll cage on the frame (use R-washer, M8X55 bolts and M8 self-locking nuts); Connect the front and rear roll cage together using M8X30 bolts, M8 self-locking nut. The torque is 22-29N.m





2.10 Safety belt assembly: fix the safety belt with the safety belt bolt set on the mount plate of UTV frame, tight the nuts.



2.11 Steering wheel assembly: position the UTV front wheel straightly, position the steering wheel straightly and fix it with M6x16 bolts on the steering shaft, cover the steering wheel

cover. The height of the steering wheel is adjustable.



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).

Before driving please make sure that all of the hardware on the UTV are tightened; please read the user manual of TrailMaster Challenger 150UTV carefully, you will be given with important safety information and advices.

Thanks a lot for choosing TrailMaster Challenger 150UTV.

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2014-06-02