

The **Go-Kart
Masters**

TrailMaster

MINI XRX

MINI XRX-R

Assembly Manual

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- 1** Move carton to a clean location with 3 or more feet of room around the unit.



- 4** Remove metal crating and unpack all parts.



- 2** Remove outer cardboard from crate.



- 5** Place parts out on the floor and take inventory making sure of proper quantities. At this time, if missing or damaged parts, call or email us.

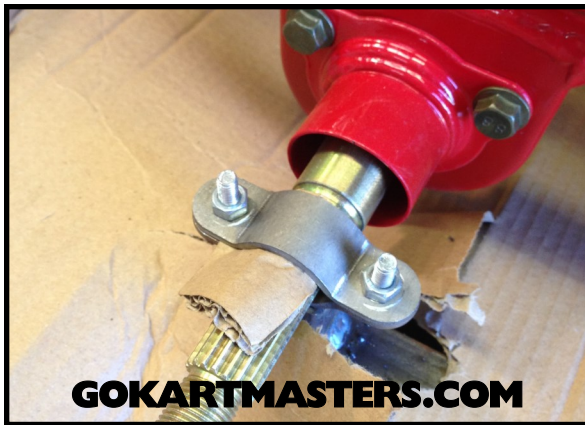


- 3** Remove all bolts from metal crate with 9/16" wrenches or socket.



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- 6** Remove bolts and nuts at lower front A-arms



7 Remove axle straps and discard.



10 Lay out all hardware on a clean work bench. Take inventory per hardware list.



8 Locate white box with battery.

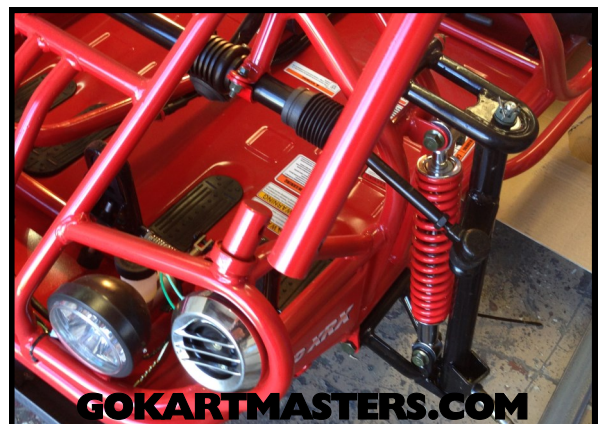


11 Locate one of the long cage bars.

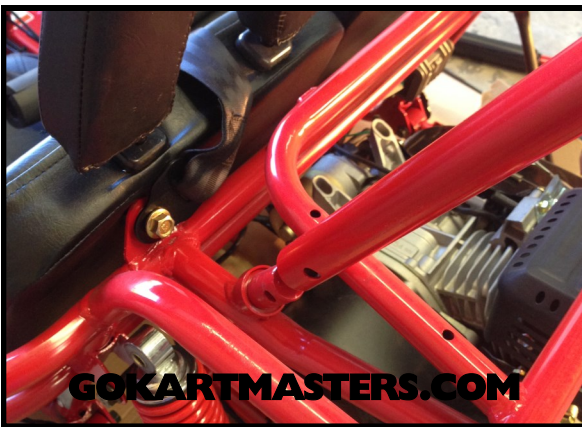


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9 See Battery Fill Procedure Instruction Sheet. Fill battery according to Instruction Sheet . Let sit.



12 Place bar on front pin above headlight.



13 Place rear of bar onto pin at rear behind seat.



16 It may be necessary to align the hole in the bar with a screwdriver.

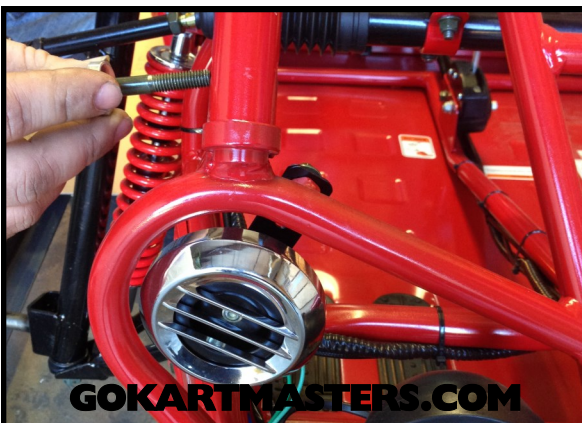


14 Locate 2 long bolts, 4 nuts & 8 chrome cup washers.



17 Install a second cup washer and the nut.

NOTE: DO NOT TIGHTEN AT THIS TIME.



15 Install with washer into front of bar from the outside.



18 Install bolt, washers and nut at rear of bar.



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19 Repeat steps 16-19 for the other top bar.



20 Locate the passenger side bar.



21 Locate 4 large bolts, 6 cup washers and 2 nuts.



22 Place the side bar onto the passenger's side of the go-kart.



23 Turn the plastic cap with a pair of pliers to align the side bar to the top bar.



24 It is necessary to tap the plastic cap all the way onto the bar. Use a plastic or rubber mallet or a block of wood with a standard hammer.



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25 Install the top bolt & washer first.
Start the threads but do not tighten.



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26 Now, install the bottom bolt and washer from the front.



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27 Install the second washer and nut on the bottom bolt.

NOTE: DO NOT TIGHTEN THE HARDWARE.



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28 Repeat steps 20-27 for the driver's side bar.



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29 Locate the top bar weldment assembly.



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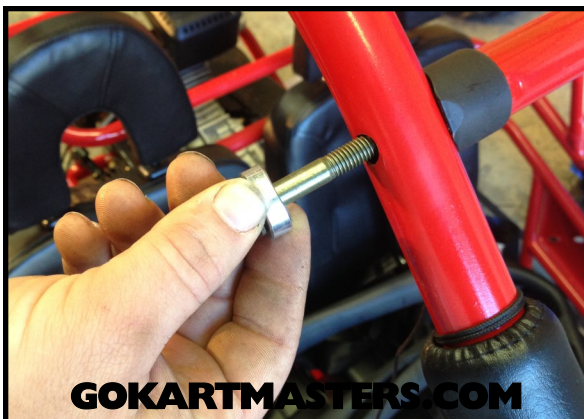
30 Locate 4 large bolts and 4 chrome cupped washers.



31 Install the top bar assembly.



34 Locate 2 long bolts and 2 chrome cupped washers.



32 Start each of the 4 bolts with cupped washer into the threads of the top bar.

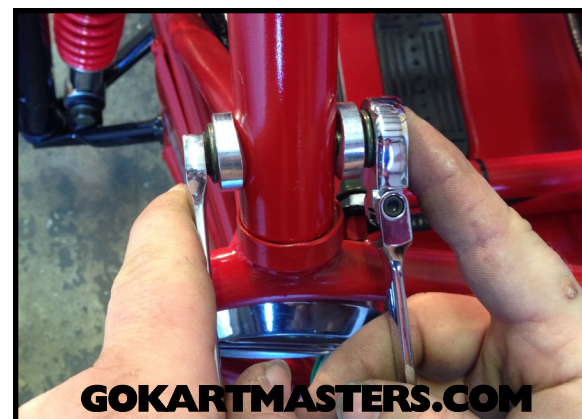
NOTE: DO NOT TIGHTEN HARDWARE .



35 Install the short bar behind the seats. Start the bolts with washers into the threads.



33 Locate the short rear bar.



36 Tighten ALL of the bar bolts previously installed with a 10mm & 12mm wrenches.



37 Locate the fuel tank.

NOTE: On some models, the fuel tank is already installed on the engine. Check tank mounting hardware to insure tight. Proceed to Step 46.



40 Install the 4 bolts and nuts into the tank.



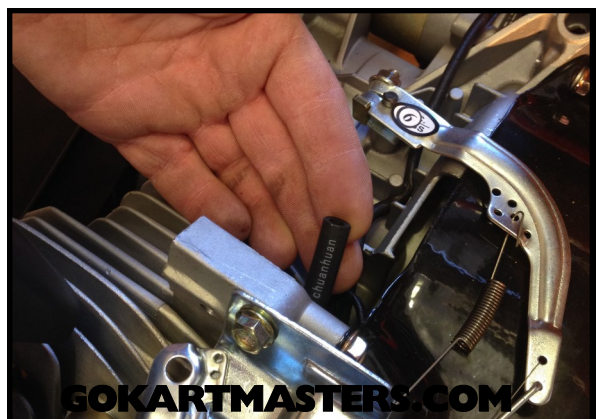
38 Locate 4 long bolts and nuts and fuel hose clamp.



41 Tighten with a 10mm & 12mm wrenches.



39 Place the fuel tank onto the rear rack with decal to the rear.



42 Locate the end of the fuel hose on top of the engine.



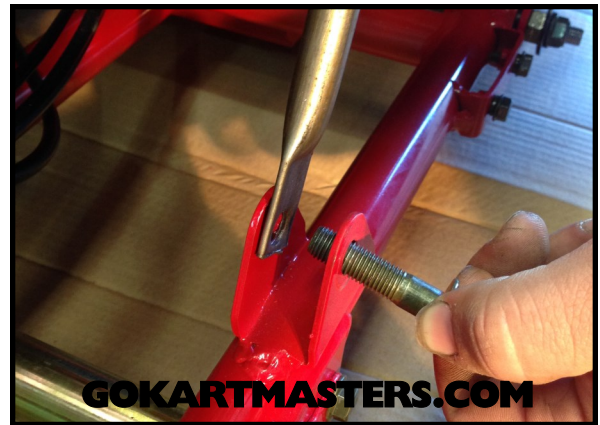
43 Place the fuel hose clamp onto the hose and push the hose onto the fuel filter that's already attached to the fuel tank.



44 Using pliers, place the fuel hose clamp on the filter approximately 1/4" from the end of the hose.



45 Turn fuel valve to 'ON' position.



46 Now, it's time to install the rear shocks. Remove the metal shipping bar from the passenger's side shock mounts.

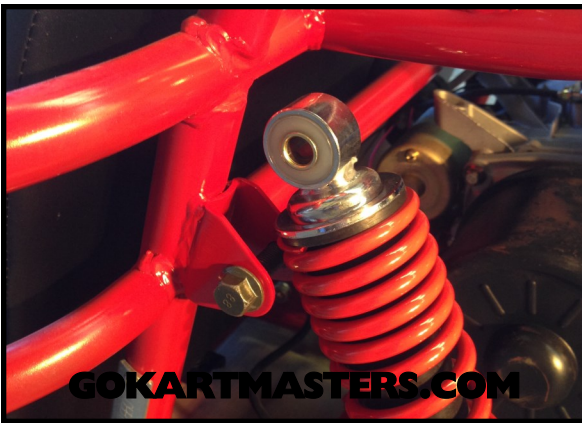
NOTE: SAVE THE BOLTS & NUTS.



47 Discard this bar.



48 Locate one (1) shock.



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49 Place the top shock eye into the bracket with the spring up. Reinstall bolt and washer that was removed in Step 46.



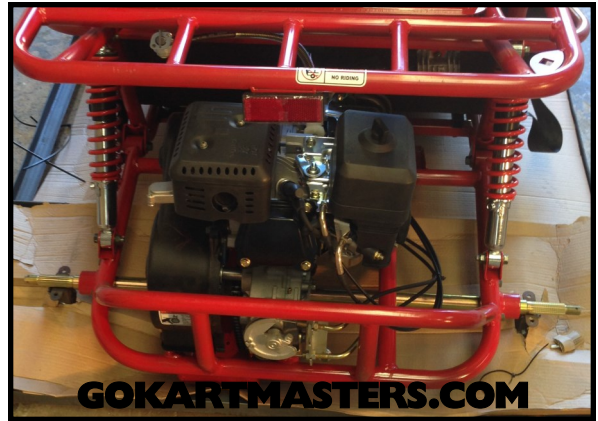
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52 Tighten top and bottom shock bolts with wrenches.



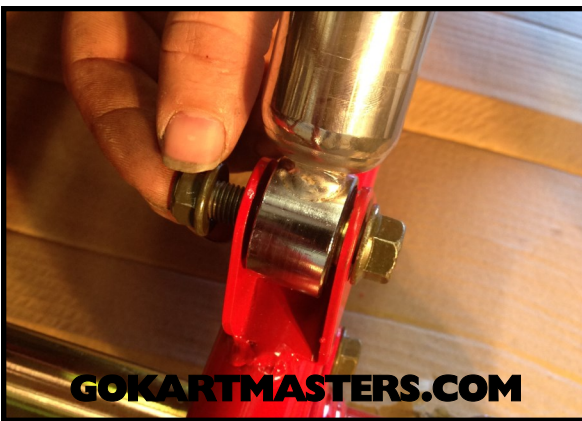
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50 Lift up on the rear rack and align bottom shock eyelet with the bracket on the rear swing arm.



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53 Repeat Steps 48-52 for the driver's side rear shock.



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51 Install bottom shock bolt and nut.



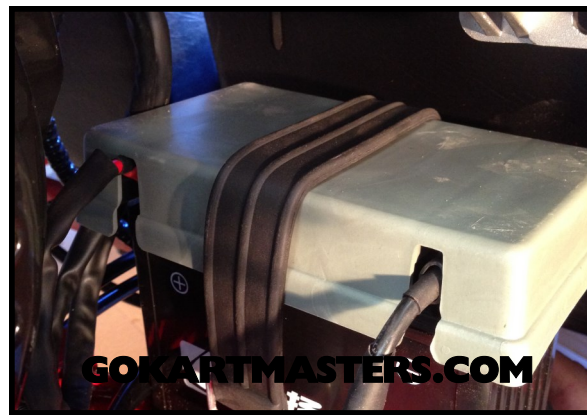
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54 At this time, lift the rear of the go-kart with the help of an assistant. Place the kart on a jackstand. Be safe. Use caution.



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55 Place the battery pad into battery tray located behind the passenger's seat.



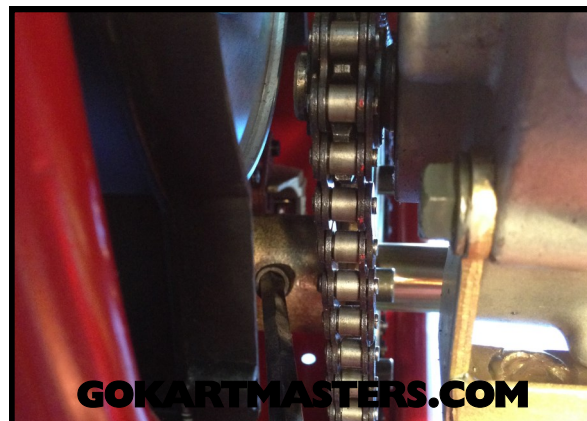
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58 Place rubber battery strap over battery hook to the front of the battery tray first. Then, pull the strap over the battery and place it on the rear hook of the battery tray. If necessary, use pliers.



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56 Install the battery in the cart with the terminals to the rear. First, install the positive cable (red) to the '+' on the battery. Next, install the negative cable (black or green) to the '-' on the battery. NOTE: Use pliers to hold the nut while using a Phillips head screwdriver to tighten the screw.



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59 Locate the set bolt on the sprocket hub and tighten securely.



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57 Place gray plastic cover over battery.



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60 Locate the rear passenger's side wheel. This is one of the larger wheels. The tread on top of the tire will point towards the front of the go-kart & the air valve stem will be facing towards the outside.



61 Place the wheel onto the rear axle.



64 Install the cotter pin into the axle nut. Bend one end of the cotter pin over the end of the axle. Clip off other end with cutters.



62 Place the largest washer and castle nut onto the axle.



65 Install rubber hubcap over axle nut.

NOTE: Repeat Steps 60-65 for the driver's side rear wheel.



63 Tighten the castle nut securely and align the holes in the axle with the nut.



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66 Lift front of go-kart and support with jack stands.

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67 Locate passenger's side top spindle nut and remove cotter pin.

NOTE: Save cotter pin.

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70 Make sure the hole in the spindle lines up with the castle nut.

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68 Locate passenger's side bottom spindle nut and remove cotter pin.

NOTE: Save cotter pin.

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71 Reinstall cotter pins. Bend and cut off excess. Repeat Steps 67-71 on the driver's side spindle.

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69 Tighten both nuts securely with a 17mm wrench.

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72 Locate outer steering joints and tighten the nut securely using a 12mm socket on the nut and a 12mm wrench on the top.



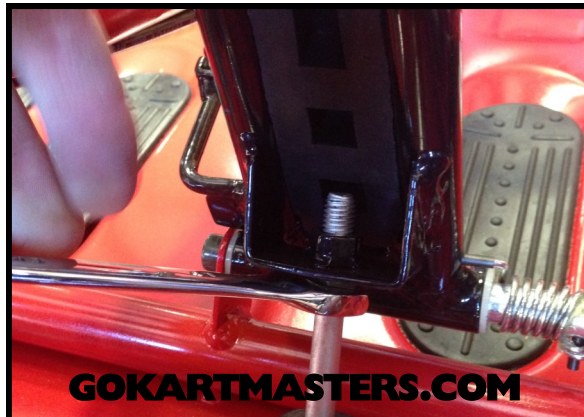
73 Locate the front passenger's side wheel and place it on the passenger's side front axle. The tread on top should point forward with the air valve stem to the outside.



76 Check tire pressure in all 4 tires. Set to 10 PSI. You will need a low pressure gauge to check the tire pressure.



74 Locate 2 castle nuts, 2 washers and 2 cotter pins.

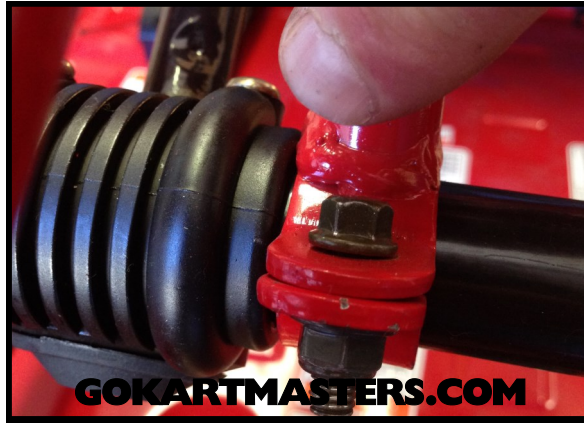


77 Locate the throttle stop and tighten the jam nut securely.

NOTE: Lowering this bolt will restrict the top speed of the go-kart.



75 Install cotter pin and bend. Cut off excess cotter pin. Repeat Steps 72-75 on the driver's side.



78 Locate the steering box clamps and tighten all four (4) bolts and nuts securely with 8mm & 10mm wrenches.

NOTE: Plastic connector should be next to the metal clamp.

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79 Locate the three (3) small bolts and nuts.



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82 Tighten bolts securely with two (2) 10mm wrenches.



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80 Locate the steering wheel.



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83 Install the plastic steering wheel cap by snapping it into place.



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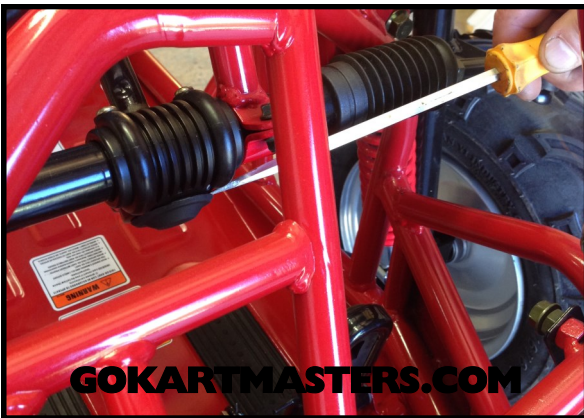
81 Install the steering wheel with the center spoke facing down & the front wheels straight forward.

NOTE: If the steering wheel does not line up correctly with the front wheels, continue mounting the steering wheel as close as possible.



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84 If the steering wheel is not straight when the front wheels are pointing straight, locate the plastic gearcase on the steering box.



85 Remove plastic cap from the bottom of the plastic case with a screwdriver.



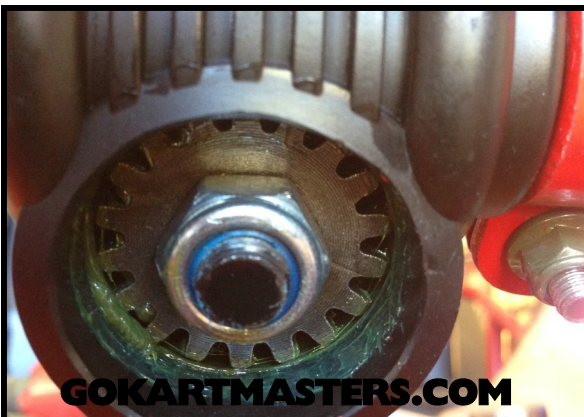
88 Pull steering wheel and shaft out of the gear. You may need to bump the steering wheel gently.



86 Make sure the front wheels are straight ahead and determine which way the steering wheel needs to be turned to align correctly.



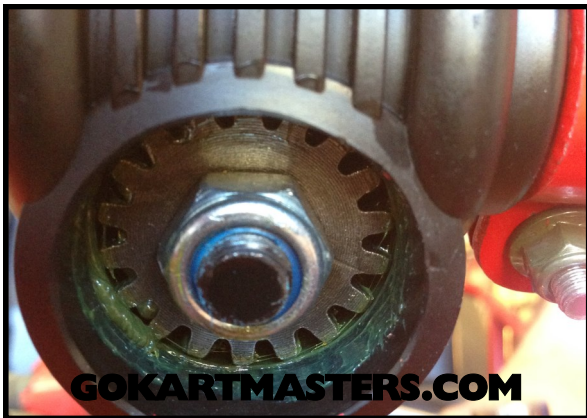
89 Hold the gear in place with your finger.



87 Remove steering shaft nut with 17mm socket.



90 Turn the steering wheel straight and push the shaft back down into the gear.



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91 Reinstall the nut securely. Reinstall the plastic cap by simply pushing it into place.



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94 The front wheel should be in a straight line with the rear wheel or parallel.

NOTE: The front of the go-kart is wider than the rear.



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92 Now, it's time to align the steering. Turn the steering wheel to straight ahead.



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95 The measuring tape in the pictures is for sight reference ONLY!



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93 Stand approximately 10 feet in front of the go-kart and look at the front passenger wheel in relationship to the rear passenger wheel.



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96 Adjust the passenger tie rod accordingly to align the wheel.



97 Hold the rod with a 10mm wrench and loosen the outer jam nut (standard thread).



100 Hold the rod with a wrench and tighten the jam nuts securely.



98 Now, loosen the inner nut (backwards thread).



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101 Repeat Steps 92-100 for the driver's side.



99 Now, adjust the wheel in or out by turning the rod.



102 For final front end alignment procedure, the front wheels should turn toward each other approximately 1/4" to 1/2".



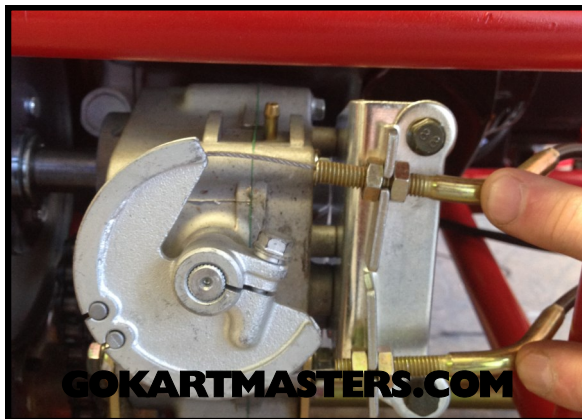
103 Measure across the front wheels that the front of the tires and at the rear of the tires and adjust accordingly according to the procedures in Steps 92-100.



106 Tighten inner air filter nut securely with fingers. Reinstall cover and nut.



104 Locate the foam padding and place it on the top outside bars of the go-kart.



107 Locate the shift cam. Tighten both cables with a 12mm wrench.

NOTE: This is **ONLY** on the Mini XRX-R



105 Remove air filter nut and cover.



108 Cut and remove all strings on canopy top and pad covers and dispose.

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109 You're almost done! Just a few pre-drive items to inspect, and you will be ready to ride your new go-kart.



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110 Locate oil dipstick on front of engine behind the driver's seat. With the go-kart sitting on level ground, the oil level should be to the top of the threads. If not, fill with 10W30 oil.

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111 Fill fuel tank 3/4 full with premium high octane fuel.

NOTE: Follow all gasoline handling precautions and fuel can.



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112 It is highly recommended to use a fuel additive or fuel stabilizer such as Seafoam or Stabil. Follow manufacturer's instructions on the bottle.



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113 If there is no passenger in the go-kart, keep the seat belt buckled to keep it from dragging the ground or from being run over by the rear tire.



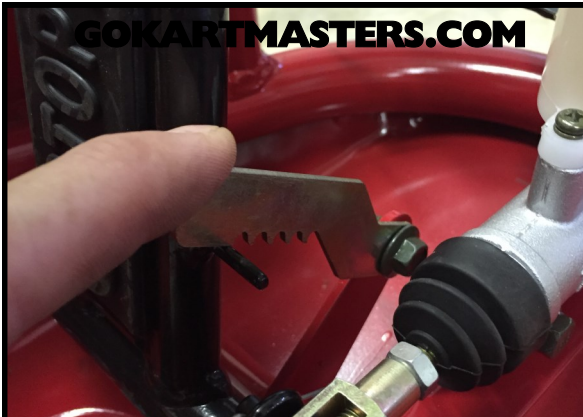
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114 Make sure the fuel valve is on.

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115 There should ALWAYS be someone seated in the driver's seat before starting the go-kart.



116 ALWAYS engage the parking brake before starting the go-kart.



117 Insert ignition key and turn to the 'ON' position.



118 Pull the choke control out firmly and hold.



119 Push the red Start Button.



120 It may be necessary to run the engine on choke or partial choke (halfway pulled out) for 30 seconds to 1 minute to warm up the engine.



121 Turn the key to 'OFF' or push the stop button and hold to turn the go-kart engine off.