

The **Go-Kart
Masters**

TrailMaster

MID XRX

MID 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.



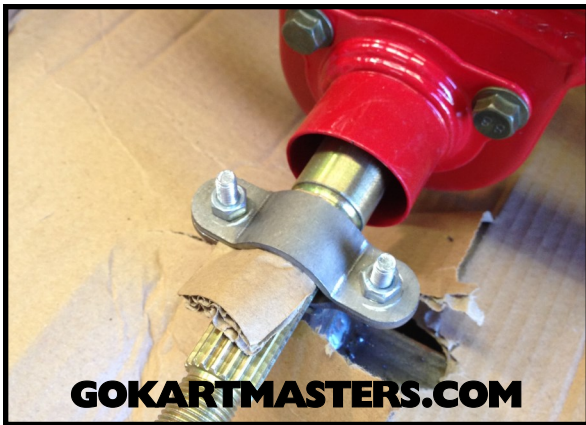
5 Place parts out on the floor and take inventory making sure of proper quantities. At this time, if missing or damaged parts, call or email us.



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



6 Remove metal side bar from each side and dispose.



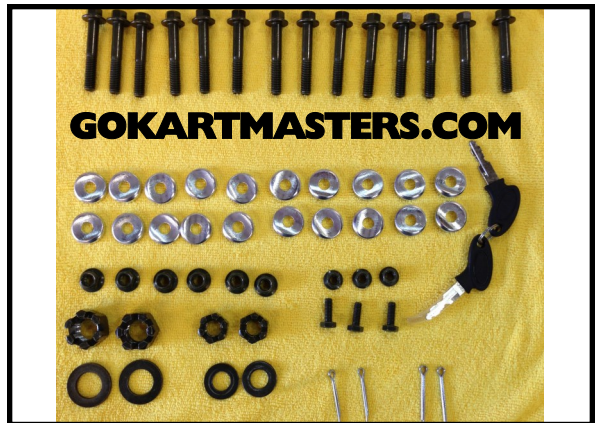
7 Remove axle straps and discard.



10 Locate headrests and install into seat-backs with seatbelt in between headrest bars. Push the headrests all the way down into the seat.



8 Locate white box with battery.



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

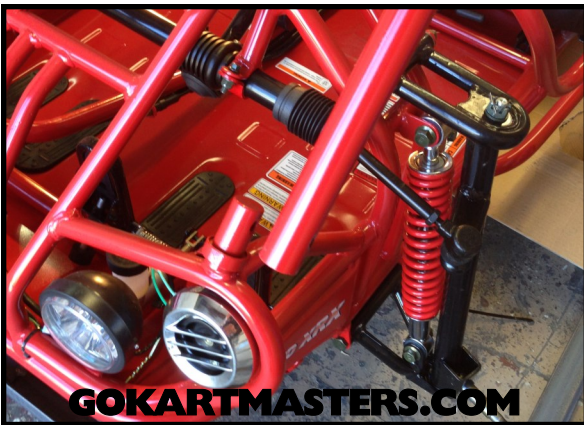


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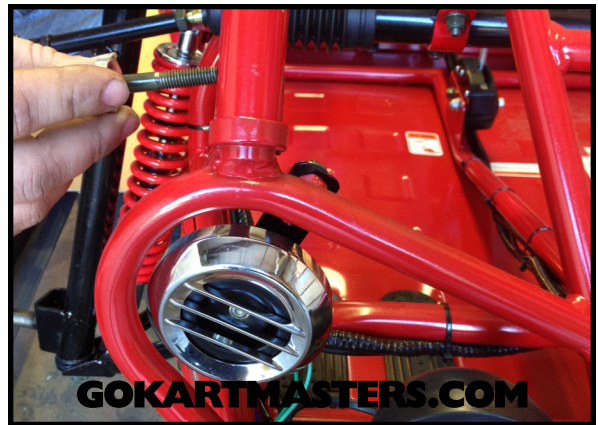
9 See Battery Fill Procedure Instruction Sheet. Fill battery according to Instruction Sheet . Let sit.



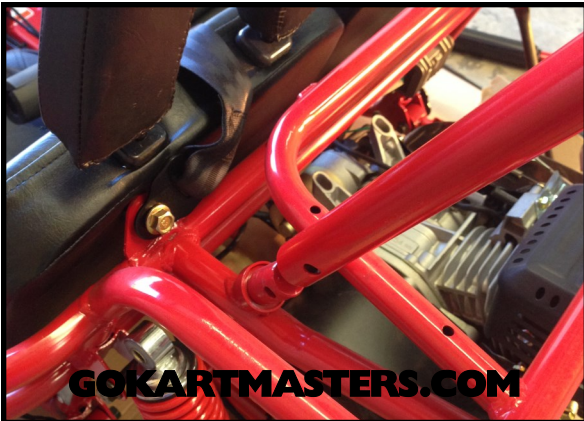
12 Locate one of the long cage bars.



13 Place bar on front pin above headlight.



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



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



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



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



18 Install a second cup washer and the nut.

NOTE: DO NOT TIGHTEN AT THIS TIME.



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



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

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



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



21 Locate the passenger side bar.

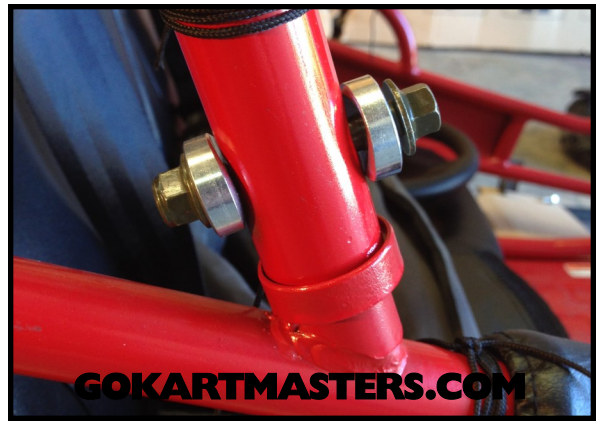


24 Turn the plastic cap with a pair of pliers to align the side bar to the top bar.



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25 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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28 Install the second washer and nut on the bottom bolt.

NOTE: DO NOT TIGHTEN THE HARDWARE.



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



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29 Repeat steps 21-28 for the driver's side bar.



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



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30 Locate the top bar weldment assembly.



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31 Locate 4 large bolts and 4 chrome cupped washers.



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34 Locate the short rear bar.



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32 Install the top bar assembly.



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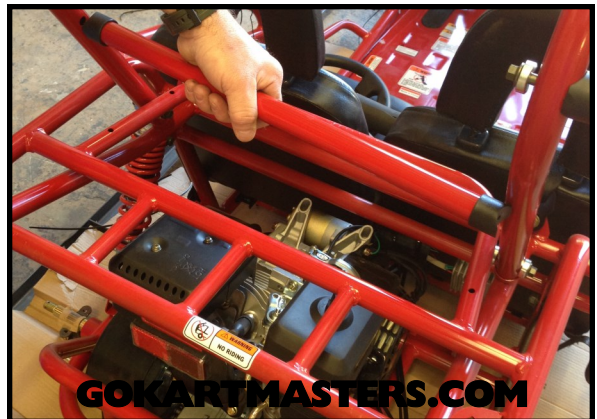
35 Locate 2 long bolts and 2 chrome cupped washers.



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

NOTE: DO NOT TIGHTEN HARDWARE .



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



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



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



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38 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 47.



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41 Install the 4 bolts and nuts into the tank.



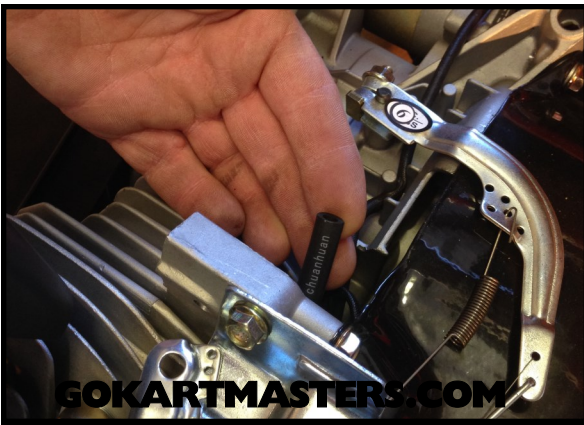
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39 Locate 4 long bolts and nuts and fuel hose clamp.



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42 Tighten with a 10mm & 12mm wrenches.



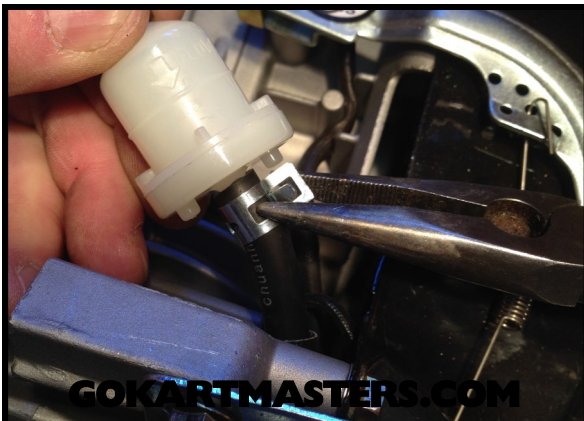
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43 Locate the end of the fuel hose on top of the engine.



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



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



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46 Turn fuel valve to 'ON' position.



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47 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.



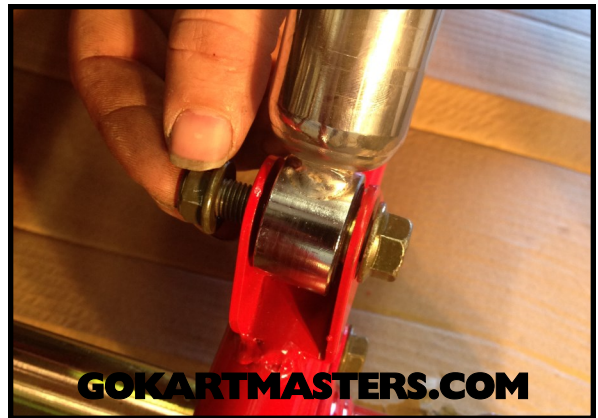
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48 Discard this bar.



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49 Locate one (1) shock.



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52 Install bottom shock bolt and nut.



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50 Place the top shock eye into the bracket with the spring up. Reinstall bolt and washer that was removed in Step 47.



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53 Tighten top and bottom shock bolts with wrenches.



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

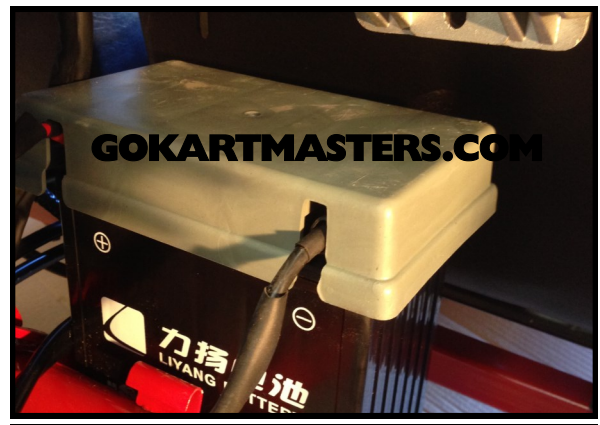


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54 Repeat Steps 49-53 for the driver's side rear shock.



55 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.



58 Place gray plastic cover over battery.



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



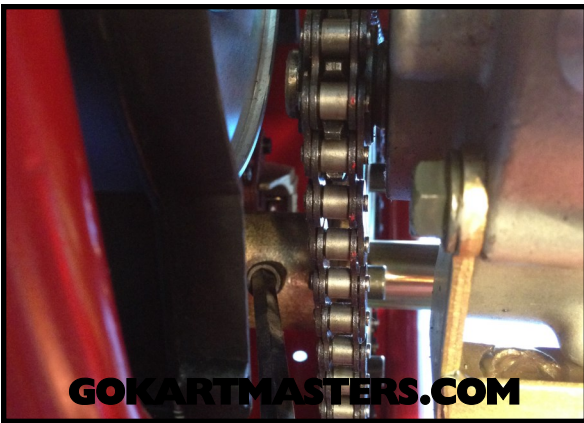
59 Place rubber battery strap over battery hook to the front of the battery tray first. Then, pull the strap over the battery and place it on the rear hook of the battery tray. If necessary, use pliers.



57 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.



60 Locate the brake caliper on the rear axle. Tighten the 2 mounting bolts securely with a 6mm Allen wrench.



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



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



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62 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.



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



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63 Place the wheel onto the rear axle.



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66 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.



67 Install rubber hubcap over axle nut.

NOTE: Repeat Steps 62-67 for the driver's side rear wheel.



70 Tighten the bolts securely using a 10mm wrench.

NOTE: Repeat Steps 68-70 for the driver's side rear fender.



68 Remove bolts from the passenger's side rear fender mounts with a 10mm wrench.



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



69 Install rear passenger fender.
NOTE: Rear fender mounting brackets have the shorter reach arm.



72 Remove fender mount bolts on passenger side located behind the front shock with a 10mm wrench.

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73 Locate passenger's side front fender. This fender has the longer mounting arm.

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76 Repeat Steps 73-75 on driver's side fender.



74 Install the front fender with bolts and lock washers. Tighten securely with a 10mm wrench.



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

NOTE: Save cotter pin.



75 Tighten the 3 fender bolts and nuts that are already installed with two (2) 10mm wrenches.

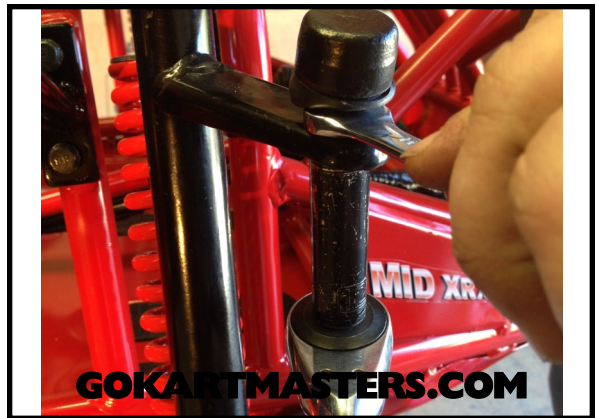


78 Locate passenger's side bottom spindle nut and remove cotter pin.

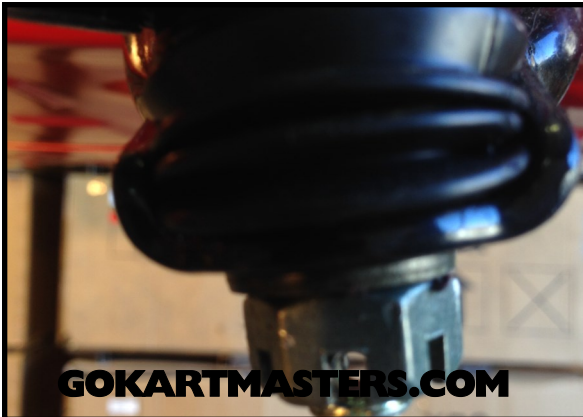
NOTE: Save cotter pin.



79 Tighten both nuts securely with a 17mm wrench.



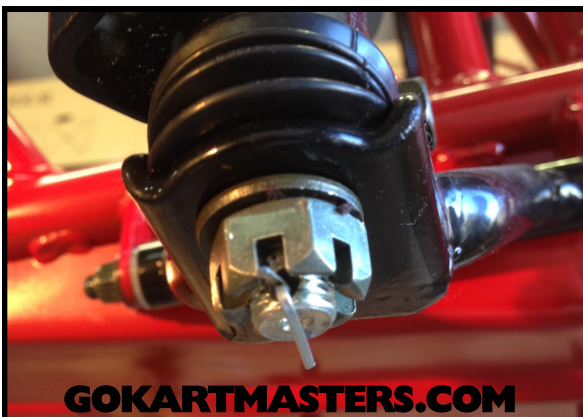
82 Locate outer steering joints and tighten the nut securely using a 12mm socket on the nut and a 12mm wrench on the top.



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



83 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.



81 Reinstall cotter pins. Bend and cut off excess. Repeat Steps 77-81 on the driver's side spindle.



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



85 Place the washer and castle nut onto the axle and tighten securely with a 19mm socket.



86 Install cotter pin and bend. Cut off excess cotter pin. Repeat Steps 84-86 on the driver's side.



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



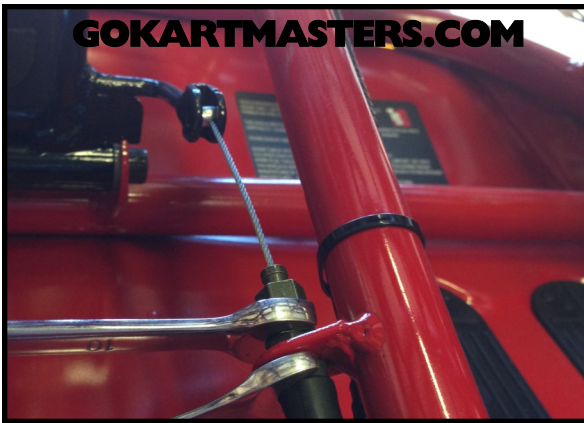
88 Make sure that the brake fluid is between the 'MIN' & 'MAX' levels on the brake master cylinder reservoir.



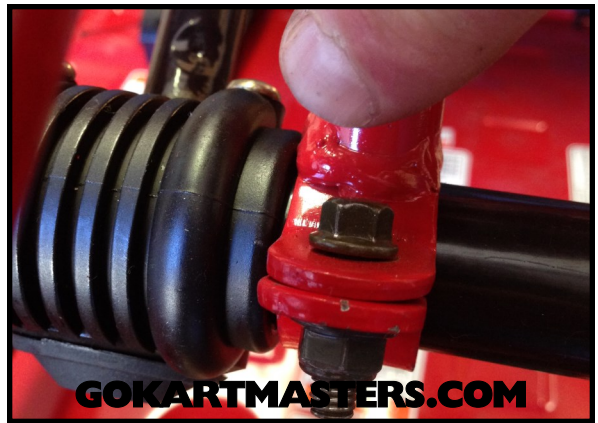
89 Add brake fluid, if necessary, to the 'MAX' level. Use DOT2 or DOT3 brake fluid.



90 Locate the brake rod jam nut at the master cylinder and tighten securely with a 10mm wrench.



91 Locate throttle cable mount and make sure nuts are snug with two (2) 10mm wrenches. Tighten gently.



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

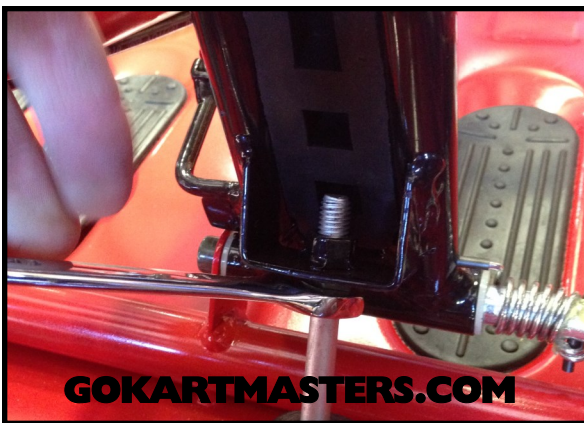
NOTE: Plastic connector should be next to the metal clamp.



92 Locate the parking brake and tighten the bolt and nut securely with two (2) 10mm wrenches.



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



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

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



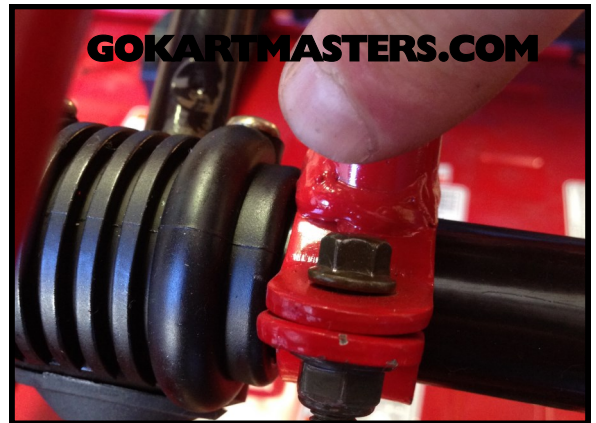
96 Locate the steering wheel.



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97 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.



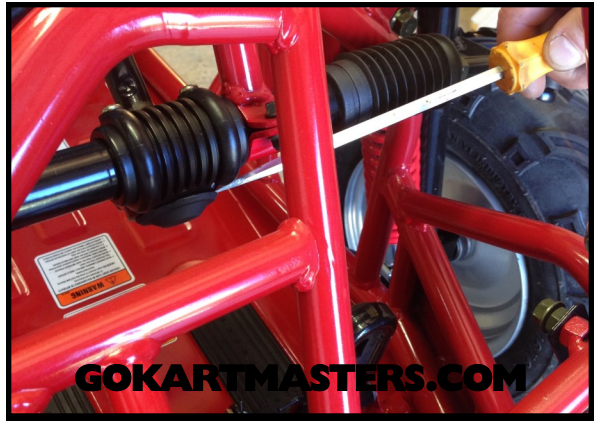
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100 If the steering wheel is not straight when the front wheels are pointing straight, locate the plastic gearcase on the steering box.



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



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



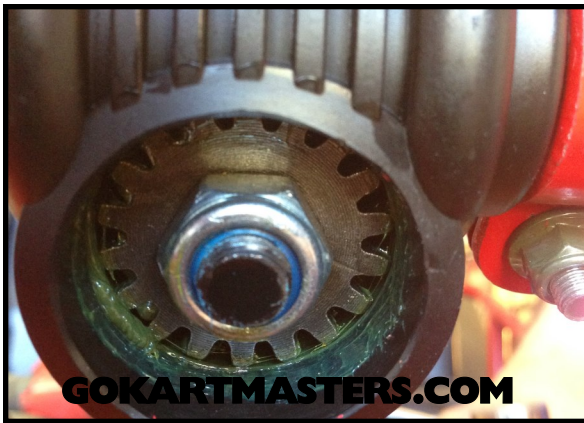
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99 Install the plastic steering wheel cap by snapping it into place.



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



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103 Remove steering shaft nut with 17mm socket.



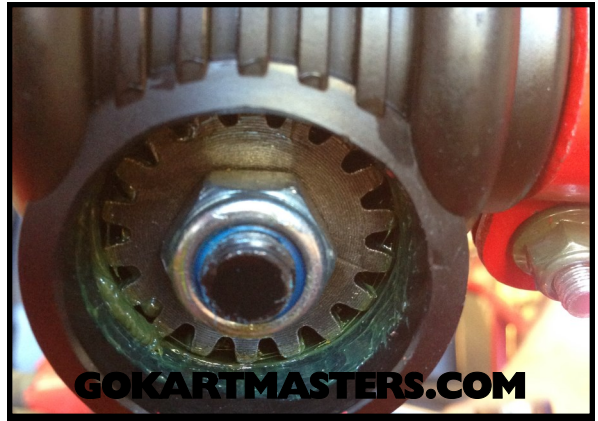
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106 Turn the steering wheel straight and push the shaft back down into the gear.



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



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



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105 Hold the gear in place with your finger.



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



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



110 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.



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



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



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



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



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



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



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



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119 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 109-116.

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117 Repeat Steps 109-116 for the driver's side.



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



121 Using electrical tape, tape the padding in place at the ends and center.



124 Then, attach the side and connect the Velcro.



122 Locate fabric top and install on go-kart



125 Attach the rear flaps.



123 Repeat Steps 109-116 for the driver's side.



126 Remove air filter nut and cover.



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



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

NOTE: This is ONLY on the Mid XRX-R



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

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130 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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131 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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132 Fill fuel tank 3/4 full with premium high octane fuel.

NOTE: Follow all gasoline handling precautions and fuel can.



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



134 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.

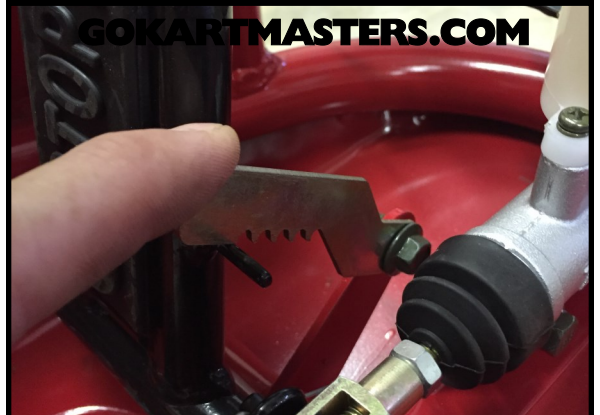


135 Make sure the fuel valve is on.

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



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



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



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139 Pull the choke control out firmly and hold.



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



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140 Push the Start Button.



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141 It may be necessary to run the engine on choke or partial choke for 30 seconds to 1 minute to warm up the engine.