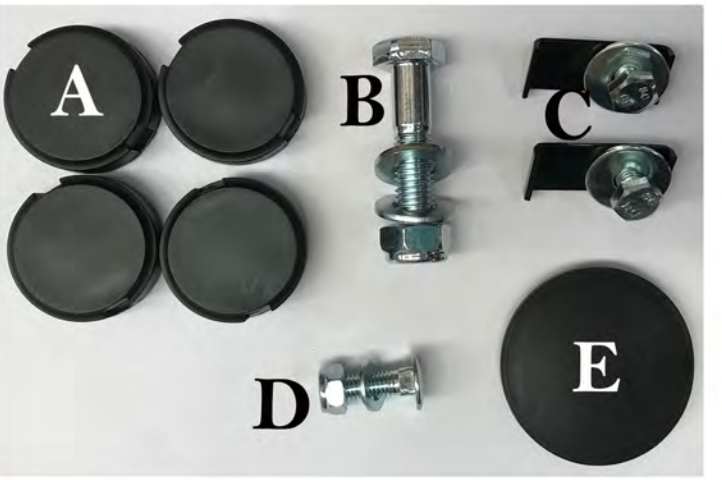
XL-4
Assembly Instructions
and
Maintence Guide

1. Unpack your Prime Kart.
Remove the top box and lay out all pedal kart components to verify nothing is missing from the package.

Box contains the following:

1 front assembly	1 rear assembly
1 drive wheel	3 coast wheels
1 seat	1 seat frame
1 front spoiler	1 steering wheel
1 hardware bag	1 fender set
1 safety flag	

2. Unpack the hardware set located inside the steering wheel bag.



Assembly set includes:
Wheel hub caps Qty 4 (A)
Frame connection bolt assembly (B)
Spoiler mounting brackets Qty 2 (C)
Seat/seat frame hardware (D)
Steering wheel cap (E)

NOTE: All other hardware is threaded into the corresponding location. DO NOT remove any of the hardware until the you get to that part of the assembly.

Installation tools.
Tools needed for assembly:
1/4 drive ratchet
sockets: 13mm, 17mm, 19mm
19mm wrench
Rubber mallet

Rear Bumper
Assembly Instructions

Unpack the rear bumper frame and remove all of the packing material. You will find all of hardware needed to install the rear bumper assy to your pedal kart already pre-attached to the frame.

2

Remove the hand brake bar using 2 each 13mm wrenches or sockets.
Pull each side of the brake handle towards the inside to completely remove them from the pedal kart.

3

Remove the pre-installed hardware only from the 3 circled areas on the top right photo. Please leave the rear bumper attached to the U-shaped frame.

4

Place the rear bumper assembly over the pedal kart frame as shown below and reinstall the hardware and tighten using 13mm wrenches or sockets. Make sure the pre-assembled bolt is tight on the rear bumper by using an allen wrench and 13mm wrench.

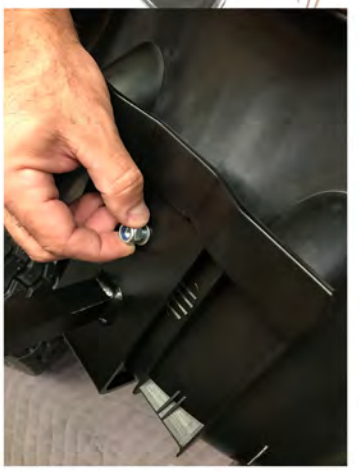
Re-attach the brake arm assembly as shown in step 2 and you are ready to ride!

Install the rear fenders.
Locate the 2 fenders and identify the left and right fender by looking on the inside of the fenders and find L for left and R for right.

Install the fenders by sliding them over the fender support bracket as shown and lightly tap them with a rubber mallet. You may need to move the hand brake lever tab to fully install the right side fender.

Locate the drive wheel.
The drive wheel does not have a bearing on each side like the coast wheels do. Instead there is a bushing on one side and a star pattern on the other side.
Using a 17mm socket, remove the bolt and washer from the drive side of the rear axle. Slide the drive wheel over the square on the drive axle until the inside of the wheel makes contact with the stop washer. A rubber hammer may be used.
Reinstall the bolt and washer and tighten using a 17 mm socket.

Using a 17mm socket, remove the bolt and washer from the coast side of the rear axle. Slide the coast wheel on the axle with the air fill valve facing INWARD.
Reinstall the bolt and washer and tighten using the 17mm socket.



Slide the metal seat frame into the slot on the back of the plastic seat and line up the hole on the seat frame with the hole on the seat.
Insert the seat bolt (D) through the plastic seat then attach the washer and nut (D) on the back of the metal seat frame using a 13mm wrench or socket.

Place the seat in the last seat position and stand the kart up on end, resting on the back bumper.

Remove all pre-assembled hardware: 2 bolt assemblies from the front axles (17mm socket), 1 bolt from the end of the steering shaft (13mm wrench), 1 screw from the front of the spoiler mount bracket (phillips), 1 nut and washer from the bottom of the bracing rod bolt (19mm wrench) and 1 bolt from the steering wheel mounting plate (13mm socket)

Slide the front assembly into the tube of the rear assembly

Slide the threaded stud from the bracing rod through the frame hole as shown below.
Next, slide the end of the steering shaft into the end connection bearing. Pull the front end connection tube out slightly to make it easier to slide the end of the steering shaft into the front bearing.

Install the end connection bolt and washer onto the end of the steering rod and tighten using a 13mm socket.

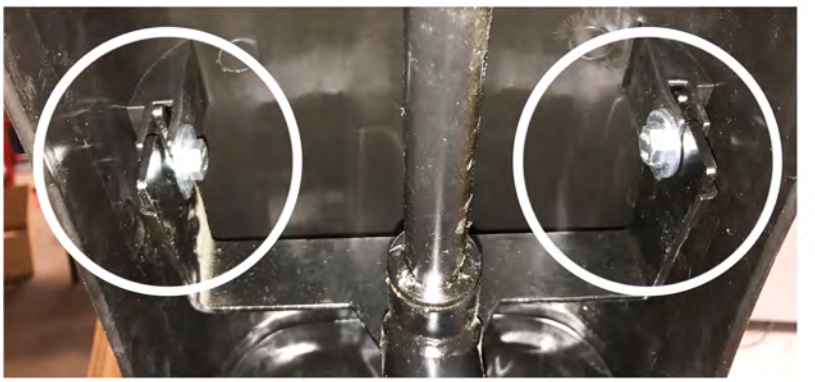
Install the frame connection bolt, washers and nut. Tighten using a 19mm wrenches and socket.

Install the washer and lock nut onto the bracing rod threaded end and tighten using a 19mm wrench or socket.

Install both front wheels and tighten using a 17mm socket. The valve stems should face inward while installing the wheels

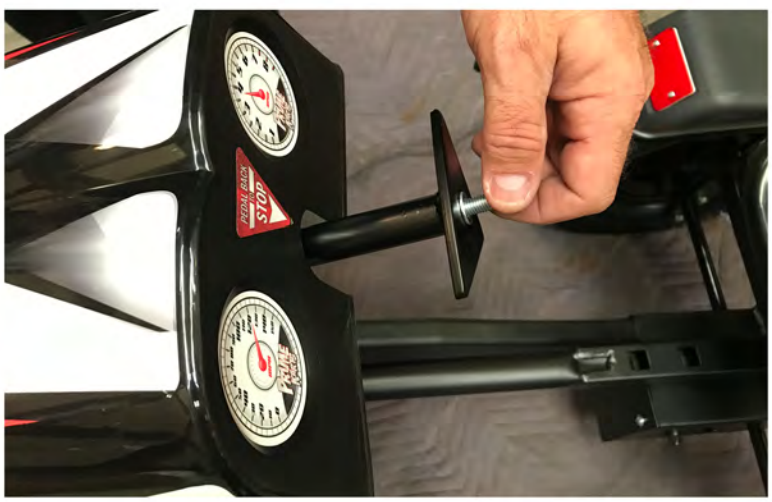
Install the Phillips head screw through the hole at the bottom of the spoiler into the metal tab on the kart Do not tighten all the way.

Now place the plastic top of the spoiler over the metal support brackets as shown below, then slide the metal clips (C) onto the metal brackets where the spoiler sits, then position it with the washer on the outside towards the locking nut and tighten using a 13 mm wrench or socket.



After the bolts are tight on the top of the spoiler mount, you can tighten the screw at the bottom of the spoiler using a Phillips screwdriver.

Now back out the existing bolt in the steering wheel metal plate.



Slide the steering wheel over the plate, then slide the bolt and washer through the steering wheel and tighten using a 13mm socket.

Now take the plastic steering wheel cap and line it up with the holes in the steering wheel and snap into place. A rubber hammer may be used to help tap it into place.

Snap the wheel caps into place on all 4 wheels using a rubber hammer.

Install both front wheels and tighten using a 17mm socket. The valve stems should face inward while installing the wheels

Check all the nuts and bolts to be sure they are tight as some may have loosened up during transit.
Pay special attention to check the crank arm bolts.
Check the tire pressure on all 4 wheels regularily and inflate to 28 PSI. Overinflating the tires can be dangerous and cause damage as well as personal injury.
Install the safety flag into the flag holder that's welded onto the rear right frame.
It's normal for the front chain to stretch, especially during the first 8 hours of riding. After the initial use of 8 hours, check the chain tension and re-check that all bolts are still tight.
Once your Prime Pedal Kart is assembled and all bolts are tight, you are ready to ride!

Maintenance

Prime Pedal Karts are designed and built to stand up to the most demanding use. But just like a car or truck, routine maintenance is required to keep your pedal kart performing for many years of use.

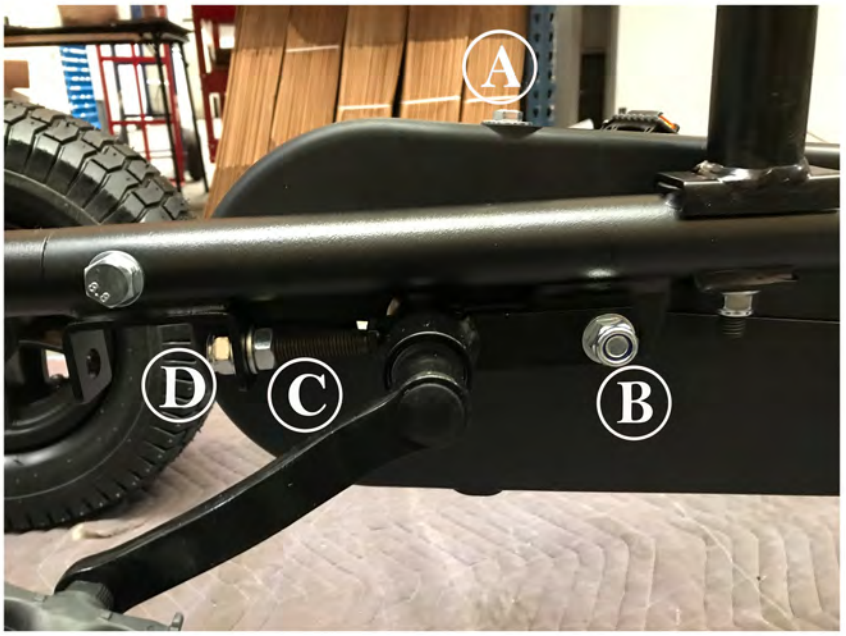
Item	Commercial Use	Consumer Use
Front chain tension	Weekly	Monthly
Rear chain	Every 2 weeks	Every 3 months
Crank bolts	Weekly	Monthly
Wheels and tires	Daily	Daily
Steering adjustment	Weekly	As needed
Grease front axles	Monthly	Every 6 months
Transmision	Weekly	Every 6 months
Frame	Weekly	Monthly
Nuts, bolts & pedals	Daily - check for tightness	Daily - check for tightness

Please Note: Periodic maintenance must be performed on your pedal kart to keep it in safe and good working order. The items listed here are some common components that will need periodic adjustment or replacement. This maintenance guide is not meant to be a complete overhaul manual. If you have any questions, please contact Prime or an authorized dealer. Current replacement parts for your model can be found at our website www.primekarts.com

1. Drive Chain

The chain used on your Prime Pedal Kart is a heavy duty chain that is used on profesional BMX type bicycles and has a high tensil strenth for rugged use. However, like all chains, they will stretch with use over time. It is important that they be checked for proper adjustment. To check the front chain, remove bolt (A) and lift the top chain guard. There should be about 1/2" travel by pushing on the center of the chain. If the chain is too tight, the transmission and drive components will wear out quickly and the kart will be hard to pedal. The chain should be checked weekly for commercial or rental use and monthly for consumer use.

To adjust the front chain, loosen bolt (B) and nut (C)
To tighten the chain, turn nut (D) clockwise to tighten the chain. Turn counter-clockwise to loosen. After the proper chain tension is set, re-tighten (B) and (C)



2. Rear Chain
Remove the top and bottom chainguard and loosen the fron chain as described in the previous step.
Next, take off the rear transmission cover by removing the 3 bolts.
Next, loosen the nuts on the outside of the transmission cover and slide the transmission forward to tighten the rear chain. The chain should have about 1/4" up and down movement in the center. When the chain is set at the desired tension, re-tighten outside nuts on the transmission. The rear chain should be checked after the first week of use. Then again monthly for commercial and rental use, yearly for consumer use.

NOTE: After the back chain has been adjusted, the front chain will also need adjustment (refer back to the previous step to adjust)

3. Crank bolts

Using a 14mm socket, check that crank bolts are tight. Be careful not to over tighten. Check the bolts weekly to make sure they have not come loose.

4. Tires and wheels

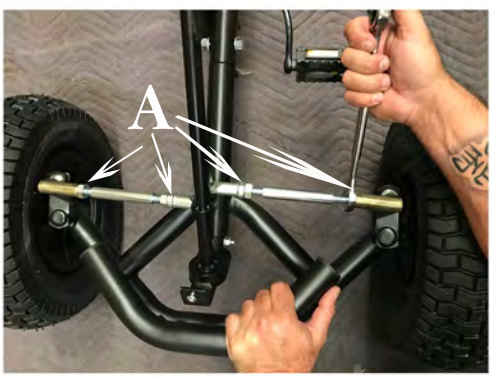
The wheels are made out of a strong flexible elastomer that allows it to slightly flex if there is impact, unlike a metal rim that will dent and be damaged. If you notice any cracks in the rim, it's time to replace it. The wheels on Prime Pedal Karts are universal for the coast wheels and drive wheel. If the wheel bearings become damaged, replace them as soon as possible. The proper tire pressure is 28 PSI for all wheels. DO NOT EXCEED 28 PSI. Please note, low tire pressure can also cause an issue by putting stress on the inner tubes, especially when applying the brakes to the rear tires. Tires should be checked daily in commercial rental use.
If tires become worn or damaged, replace them immediately.

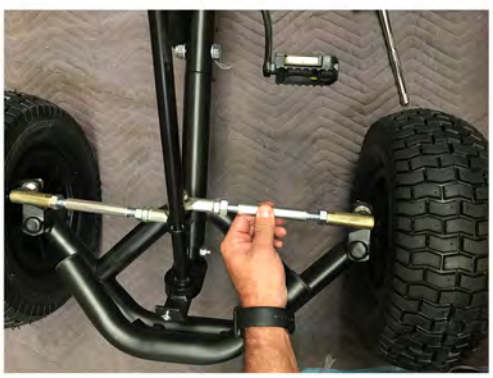
5. Front axles and steering column

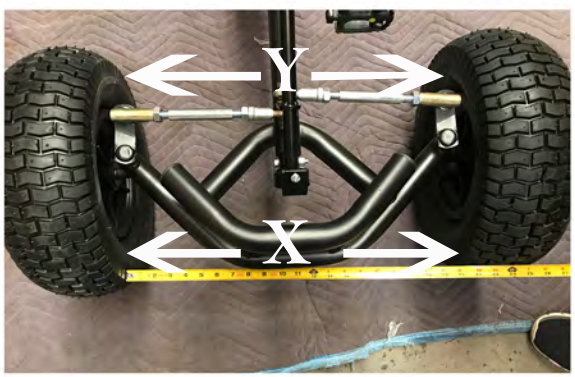
Grease the steering wheel column and both front axle zurk fittings every 3 months. Wipe off the excess grease after you have greased the axle.

6. Steering adjustment

If the front wheels are hit hard during impact, it is possible for the front end of the pedal kart to go out of alignment. The signs of this are excessive or uneven wear on the front tires. To adjust the front wheels, first make sure the steering wheel is centered, then loosen all 4 jam nuts (A) on the tie rods. Next, turn the center of each tie rod to move the front wheels closer together, or further apart.
The dimensions from inside front tire to inside front tire (X) should measure the same as the inside back tire to inside back tire (Y)
Make sure to retighten all 4 jam nuts.







7. Rear axle and sprocket

Production models after June 2012 have removable axles and adjustable rear sprockets.
To adjust the sprocket, loosen the set screw to align the sprocket with the sprocket on the transmission

8. Coaster brake/transmission

The mounting nuts need to be checked for tightness bi-weekly. If they loosen up, damage to the transmission may occur. See section 2 for chain adjustment.
There are no user serviceable parts with the coaster brake so if the part becomes worn or damaged, replace it with a new coaster brake transmission..

9. Steel Frame

The frame of the pedal kart is made from strong heavy wall steel tubing and is protected with durable powder coat paint. If the paint coating becomes damaged exposing the bare steel, touch up the area with any type of close match spray paint. to keep the frame from rusting.