

# PRIME Karts XM-4 Assembly Instructions



For PRIME Karts models:

**XM-4**

- **RACER**
- **SONIC**
- **FLASH**
- **SPORT**
- **CUSTOM GRAPHICS**



PRIME Karts XM-4 Racer model

# PRIME Karts XM-4 Assembly Instructions

Thank you for your purchase of the PRIME Karts XM-4 series pedal kart! These step-by-step instructions will guide you through the assembly and set up of your new PRIME Kart so you can be safely riding in no time. PRIME Karts assembly must be performed by an adult. While the assembly is designed to be safe and easy, basic operation of hand tools is necessary to complete the assembly. The box weighs around 53# so two people may be need to lift and move this. Use caution during assembly, especially with pinch points and when filling tires with air **(28psi MAX!!)**.

PRIME Karts are designed and built to last for years with maximum up-time and ease of maintenance. Replacement parts and maintenance resources are available at [www.primekarts.com](http://www.primekarts.com)

Our support team is available at [info@primekarts.com](mailto:info@primekarts.com) or by phone M-F 7:30-3:30 CDT 850-475-0450

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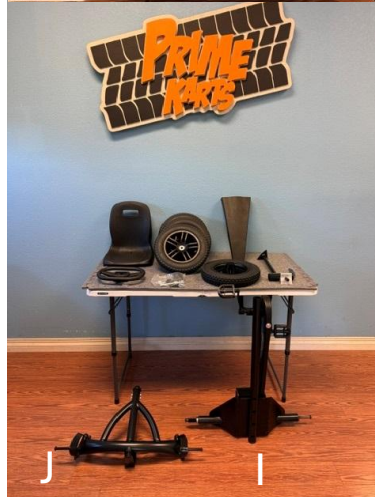
1

Carefully remove banding straps with a scissors and lift the top cover off of the box



2

Unpack each Box and lay out the contents



A - Steering wheel

B - (3) Coast wheels

C - Hardware Set

D - Spoiler

E - Drive Wheel

F - Steering Shaft

G - Seat Bracket

H - Seat

I - Rear Assembly

J - Front Assembly

## Tools included:

- 13mm open wrench
- 13 mm socket
- 5mm Allen wrench
- Rubber hammer (not included)

3

Open (C) Hardware Set



AA - Steering wheel cap

BB - (4) wheel hub caps

CC - Seat mounting hardware

DD - Assembly tools

EE - Front connection hardware

FF - Connection Bushing

GG - Flag Mounting Bracket



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**Assemble (B) RIGHT rear coast and (E) LEFT drive rear wheel**



Using a 5mm Allen wrench, remove the axle end bolts from the right and left rear axles from (J) rear assembly.



Install LEFT drive wheel (E) on the left rear axle. The **INSIDE** of the drive wheel has a star pattern on the inside hub. Slide the inside star pattern over the drive axle square rotating the wheel as needed to line up the hub with the axle. Once the hub and axle are lined up, a rubber hammer can be used to seat the wheel.

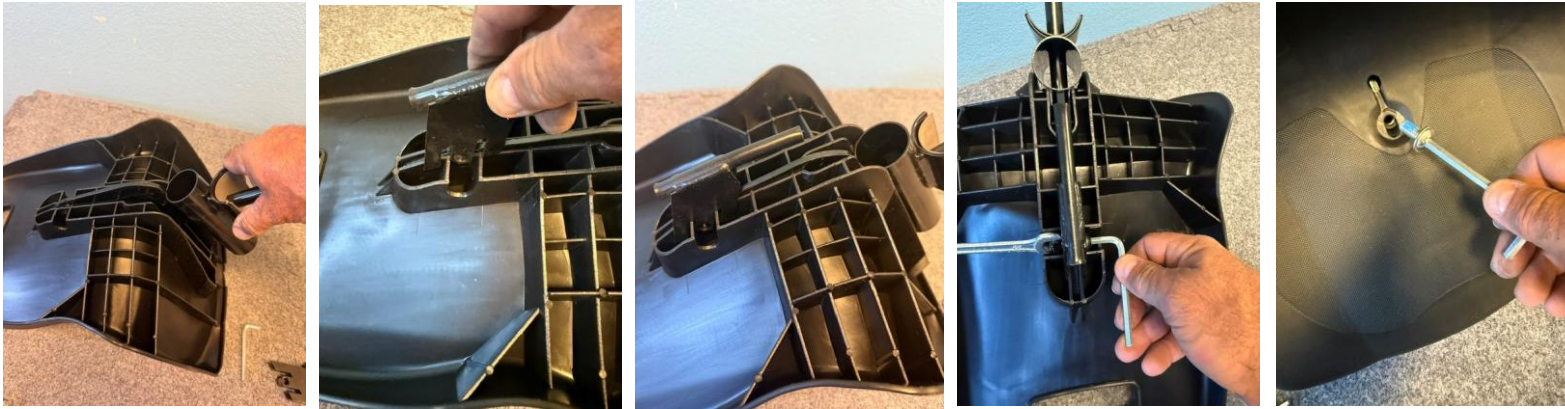


Install the RIGHT coast wheel (B) on the right rear axle. The coast wheels will have radial ball bearings on both sides of the hub. Once both rear wheels are on the axles, reinstall the axle bolts and tighten using the 5mm Allen wrench

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**Assemble (G) seat bracket and (H) seat**



Install the seat to the seat bracket by sliding the top of the bracket into the slot molded to the back of the seat frame as shown. Insert the (GG) flag holder into the back slot and install the longer (CC) seat mounting hardware bolt from the assembly set through the hole in the back of the seat. After the nut is installed, tighten using a 13mm open wrench and 5mm Allen wrench. Once the bolt is through both the seat and seat bracket, install the washer and nut then tighten using a 13mm wrench.

Install silver seat bottom bolt (CC) into the top of the seat and thread into seat bracket. Tighten using a 5mm Allen wrench.

6

**Attach (F) seat bracket to (I) rear frame**



Insert the seat bracket into the last hole position on the rear frame seat adjustment. Stand the rear assembly upright so it is resting on the back of the seat as shown.



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**Connect (J) front frame ass'y to (I) rear frame ass'y**



**Slide (FF) bushing over the front tube of (I) rear frame assembly. Next, slide (J) front frame assembly into rear frame assembly (I) using (EE) hardware from (C) hardware set. Tighten using a 10 mm wrench and 5mm Allen wrench.**

8

**Assemble (D) spoiler bracket to (J) front assembly**



**Remove the (4) bolts from the side of the front assembly (E) using the 5mm Allen wrench.**

**Line up the holes in the spoiler bracket with the holes in the side of the front assembly. Reinstall the (4) bolts and tighten using the 5mm Allen wrench.**

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Install (B) x2 front coast wheels



Remove (2) front axle bolts from (J) front assembly using a 5mm Allen wrench. Slide the wheel over the front axle, reinstall the axle bolt and tighten.

10

Install (A) steering wheel to (F) steering shaft



Remove steering wheel mounting bolt from (F) steering shaft while holding the bottom wedge nut. Insert shaft bolt into the steering wheel and into the steering shaft. Line up the triangle plate on the steering shaft with the triangle back on the steering wheel. Reinstall the bolt in the center of the steering wheel and thread into the wedge nut. **DO NOT TIGHTEN**



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**Install (F) steering shaft into (J) Front assembly**



**Install the (F) steering shaft into the steering column on the front assembly (J).**

**Once inserted to the correct depth, straighten the front wheels and steering wheel. Tighten the center bolt using a 13mm socket wrench. DO NOT OVERTIGHTEN**

12

**Install (BB) x4 wheel hub caps and (AA) steering wheel cap**



**Line up the wheel hub cap with the center of the wheel hub (BB) and tap in place using a rubber hammer.**

**Line up the (4) pins in the (AA) steering wheel cap with the (4) holes in the center of the steering wheel. Tap in place using a rubber hammer.**

13

**Insert visibility flag (option)**



**Insert the flag into the receiver tube of (GG) flag mounting bracket located on the back of the seat.**



# PRIME Karts XM-4 set up and safety check

Now that your new PRIME Karts XM-4 is assembled, there are a few maintenance and safety checks that will need to be performed before riding it for the first time.

1. Set the seat position (1-4) for the rider's height. To adjust the seat, simply pick it up and move it to the appropriate hole. Be sure that the seat post is properly engaged in the top AND bottom hole.
2. Check the steering operation is not loose or binding and there is no oversteer
3. Check that the kart pedals move freely forward, coasting, and in reverse
4. Check the operation of the pedal (coaster) brake. To test the pedal brake, pedal back when the kart is coasting forward.
5. Check all tires to make sure that they are properly inflated to 25-28PSI (**28 PSI MAX**). **Never use a high volume air compressor to fill the tires with air. ONLY use a hand pump.** Overinflating tires is dangerous and can cause serious injury and damage your kart. Underinflated tires will be difficult to pedal and can cause damage to the wheel, tire and innertube
6. Check that ALL hardware on the kart is tight

Now that that safety check is complete the last step is to review the safe riding guidelines on the next page



# PRIME Karts XM-4 safety guidelines

- The XM-4 is designed for riders from 4-12 years old with a **max weight limit of 130#**. It is the supervising adults responsibility to determine if the PRIME XM-4 is appropriate for the rider including safety gear such as a helmet
- Children should always be supervised when riding
- Do not drive your PRIME Kart on public roads and always drive at appropriate speeds
- Do not drive the kart at night
- Always be aware of your environment and surroundings including other vehicles
- Always ride with proper closed toe shoes
- NEVER ram or bump other karts or vehicles. It is dangerous and can cause serious injury as well as damage the kart.
- Make sure all covers and guards are in place before riding
- Do not wear loose fitting clothing or untied shoe laces close to moving parts when riding
- Never ride or allow someone to ride who is impaired
- Always slow down before making any sharp turn. Turning at higher speeds can cause the kart to overturn
- Be aware when riding downhill that speeds may increase and it takes longer to stop. Use the hand brake for braking to both rear wheels.
- Riders should never perform stunts or jumps with the kart. They are not designed for this and injury can occur
- ABOVE ALL, USE COMMON SENSE AND KNOW YOUR LIMITS or the limits of those being supervised

Have fun and enjoy your new PRIME Karts XM-4 series PRIME pedal kart!