



# Storm and Cyclone Trike



## Assembly Instructions

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# Contents

- 1.0 Introduction
- 2.0 You need to read this manual
- 3.0 Your KMX™ Parts
- 4.0 Assembly and technical details
- 5.0 Guidelines for safe use
- 6.0 Maintenance
- 7.0 Guarantee conditions
- 8.0 Guarantee certificate



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# 1.0 Introduction

Thank you for choosing KMX™!

You are now the proud owner of a fantastic K Class KMX™, which will provide many years of enjoyment.

KMX Karts Ltd does its utmost to design and produce safe and fun products and so the utmost care has been used to ensure that your KMX™ is strong, safe and durable.

This manual gives you instructions for assembling and maintaining your KMX™, as well as the guarantee conditions. Please take note of the directions for use, to ensure many years of service from your KMX™. Please keep this manual for future reference.

## 2.0 You need to read this manual!

Your KMX™ has a long life span. It should be assembled by an adult, who should be aware of the safety instructions and maintenance schedule.

This manual ensures the best results from your KMX™. It is important for you to know the KMX™, its characteristics and use.

The KMX™ is not classified as a toy but as a fully functional Trike recumbent. This means your KMX™ is allowed on the public roads, and complies with the European General Products Safety Regulations. It has also been tested to all relevant section of BS6102, the UK standard for bikes, and the CPSC for Bikes in the USA.

For safety we recommend that an Adult should supervise any child using the KMX™.

Warning: Your KMX™, like bicycles, Roller Blades, Roller Skates, Skateboards, Cars, Boats or any other moving vehicle, can cause injury. Exercise caution when riding your KMX™. Pay attention to street signs, be courteous to pedestrians and road users and by all means obey the law. Ensure that both hands are on the handgrips and both feet are on the pedals at all times that the KMX™ is in motion.

KMX Karts Ltd also recommends that you wear proper protection, such as a helmet and gloves while riding. Please bear in mind children's natural urge to play and that this could cause unexpected dangerous situations, for which the manufacturer and KMX Karts Ltd cannot be held responsible. Teach your children how to use the KMX™ and point out possible dangers to them.

The KMX™ is designed for riders taller than 1.25m and weighing less than 65kg. Should you have any queries or problems, please contact your supplier or visit our Website: [www.kmxkarts.com](http://www.kmxkarts.com).

KMX Karts Ltd cannot be held responsible for any omission in this users' manual. Please always apply the highest safety precautions and follow these guidelines when the user is using it.

## 3.0 Your KMX® Parts

- |                           |                           |                       |
|---------------------------|---------------------------|-----------------------|
| 1 Pedal                   | 10 Rear brake lever       | 19 Front MAG Wheels   |
| 2 Crank                   | 11 Rear brake park button | 20 Mudguard           |
| 3 Front Sliding Boom      | 12 Seat                   | 21 Derailleur         |
| 4 Front Boom Clamps       | 13 Seat clamps            | 22 Main Frame         |
| 5 Front wheel pivot bolts | 14 Chain and Chain tubes  | 23 Safety flag holder |
| 6 Handle Bars             | 15 Front Wheel Axle Bolt  | 24 Front chain ring   |
| 7 Twist Grip Changer      | 16 Chain pulley           |                       |
| 8 Hand Grips              | 17 Chain tube bracket     |                       |
| 9 Front brake lever       | 18 Rear MAG Wheel         |                       |



# 4.0 Assembly Instructions

## Assembly Instructions

1. Carefully remove all the items from the box and remove the protective packaging.
2. Stand the box on its open end and place the trike frame on top. (Photo 1).



(Photo 1)



(Photo 2)

3. Insert the handle bars fully into the handle bar mounts. Do not tighten the clamps at this stage. (Photo 2)
4. Place the chain on the outside of the frame. (Photo 3 and 4)



(Photo3 - Storm Model)



(Photo 4 – Cyclone Model)

5. Insert the back wheel ensuring that the brake arm is above the frame. (Photo 5)
6. Push the brake arm sideways and insert the brake arm bolt into the bracket on the frame. Attach the M5 nut and washer. (Photo 6)



Photo 5



Photo 6

**FOR CYCLONE MODEL, GO TO NO. 8**

7. **STORM** - Place the chain coming from the rear pulley onto the cog on the rear wheel. Attach the chain tensioner (derailleur) using the bolt provided. Attach the 2 wheel nuts and tighten securely. (Photo 7)



(Photo 7)



(Photo 8)

8. **CYCLONE** – Select No. 7 on the handle bar gear changer. Place the chain coming from the rear pulley onto the smallest cog on the rear wheel. Attach the rear derailleur using the bolt provided. (Photo 8)
9. Position the two 10mm washers and the seat adjuster rod on the left side of the axle. Attach the axle nut, but do not tighten at this stage. (Photo 9)



(Photo 9)



(Photo 10)

10. Position the seat adjuster rod on the right side of the axle. Attach the axle nut, but do not tighten at this stage. (Photo 10).
11. Insert the boom into the front of the frame and place the chain coming from the front pulley over the chain ring. Attach the pedals. Note: The left pedal has a left hand thread. (Photo 11)



(Photo 11)

12. Select the appropriate seat position by referring to the relevant chart below:

STORM SEAT POSITION		
CHILDS HEIGHT	CHILDS HEIGHT METRIC	SEAT POSITION
3'6"	107cm	FORWARD POSITION
3'7"	109 cm	
3'8"	112 cm	
3'9"	114 cm	
3'10"	117 cm	
3'11"	119 cm	REAR POSITION
4'	122 cm	
4'1"	124 cm	
4'2"	127 cm	
4'3"	129 cm	

CYCLONE SEAT POSITION		
CHILDS HEIGHT	CHILDS HEIGHT METRIC	SEAT POSITION
4'2"	127 cm	FORWARD POSITION
4'3"	129 cm	
4'4"	132 cm	
4'5"	134 cm	
4'6"	137 cm	
4'7"	140 cm	REAR POSITION
4'8"	142 cm	
4'9"	145 cm	
4'10"	147 cm	

**FOR CYCLONE GO TO NO. 14.**

13. **STORM** - Lower the seat onto the selected seat position on the main frame. Insert the 2 seat bolts from the chain tube side and fit the nuts and washers. Tighten securely. (Photo 12 and 13)



(Photo 12) Forward Position



(Photo 13) Rear Position

14. **CYCLONE** - Slide the seat stays over the seat adjuster rods. (Photo 14).



(Photo 14)

15. Lower the seat onto the selected seat position on the main frame. Insert the 2 seat bolts from the chain tube side and fit the nuts and washers. Tighten securely. (Photos 15 and 16).



(Photo 15) Rear Position



(Photo 16) Forward Position

16. Depending on your seat position, line up either the forward or rear seat stay hole and attach the securing bolts, nuts and washers. Tighten securely. Now Tighten the axle nuts. (Photos 17 and 18)



(Photo 17) Forward Position



(Photo 18) Rear Position

17. Attach the Seat Covering to the frame with the 8 nuts and bolts provided. Ensure that the seat covering is attached the correct way up. The top is marked with a sticker.
18. Position the thick spacer onto the axle. (Photo 19)



(Photo 19)



(Photo 20)

19. Select the correct front wheel for the side that you are working on. Note: The front wheels are left and right hand specific. (The left and right of the trike is taken from the seated position facing forward). Each wheel is fitted with a small sticker with either an "L" or "R" to denote this. Slide the wheel onto the axle and fit the 1/2" washer and nut. Tighten the nut to pull the wheel assembly on. Back off the nut until the wheel spins freely with no side movement on the axle. Repeat this process for the opposite wheel. (Photo 20).

#### FOR CYCLCONE GO TO NO. 20.

20. **STORM** - Fit the mudguard to the top of the seat using the bolts, washers and nuts provided. (Photo 21)



(Photo 21)



(Photo 22)

21. **CYCLONE** - Fit the mudguard to the top of the seat using the bolt, washers and nut provided. (Photo 22)

22. Place the trike on the floor. Sit the child into the seat. Adjust the boom length so that the child can comfortably reach the pedals.

23. Adjust the handlebar position so that the top of the handlebars point slightly inwards and allows clearance between the hand and the wheel. (Photo 23)



(Photo 23)



(Photo 24)

24. Tighten the boom quick release clamps. **Note: Never extend the boom beyond the MAX mark.** (Photo 24)

25. Attach the flag to the left hand side of the trike by first loosening the left hand axle nut and then retightening it so that it clamps the flag bracket. (Photo 25).



(Photo 25)



(Photo 26)

26. If required, mount the front reflector to the quick release clamps on the underside of the front frame. (Photo 26)

27. If required, mount the rear reflector to the flag pole.

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**CONGRATULATIONS YOU ARE NEARLY THERE! BUT .....  
BEFORE YOU RIDE YOU NEED TO SET UP AND ADJUST YOUR TRIKE!**

1. Ensure all nuts and bolts are secure.
2. Pump up the tires to the pressures indicated on the side wall.
3. Check the rear brake is set up and working correctly. Pull rear brake lever, push in the parking brake button and release the lever (See photo 27). If the button will not go in, then the brake cable is too tight. Turn the cable adjuster on the brake lever clockwise to loosen the brake until the button can be pressed in when the lever pulled. Alternatively turn the adjuster on the lever anti-clockwise to tighten the brake.

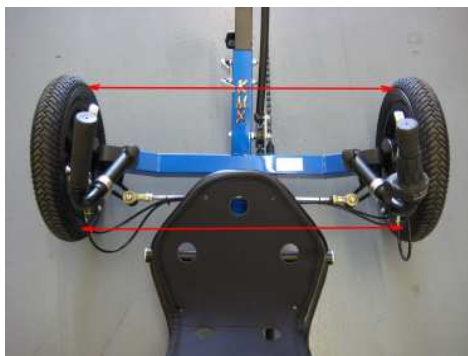


(Photo 27)



(Photo 28)

4. Check the front brakes are working correctly. Ensure the front brakes operate together by adjusting the cable adjusters (see photo 28). If the kart pulls to the left when the front brake lever is applied, adjust the right cable adjuster anti-clockwise. If the kart pulls to the right when the front brake lever is applied, adjust the left cable adjuster anti-clockwise.
5. Set up the gears on the Cyclone Model so that they operate correctly using the manufacturers instructions provided.
6. Make sure the front wheels are pointing straight ahead. Measure between the inside of the front tires in the positions shown (See Photo 29). Loosen the lock nuts at either end of the steering rod (Left & Right hand threaded). Turn the rod until the measurement between the tires is the same. Now retighten the lock nuts. (Photo 30).



(Photo 29)



(Photo 30)

**For further information including a video on how to assemble your KMX visit our website at [www.kmxkarts.com](http://www.kmxkarts.com)**

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## 5.0 Guidelines for safe use

Before using your KMX™, please check that it is in good working order, that all bolts and screws are tight and that tire pressure is as it should be. Please also check the brakes.

The KMX™ is not classified as a toy but as a fully functional Trike recumbent. This means your KMX™ is allowed on the public roads, and complies with the European General Products Safety Regulations. It has also been tested to all relevant section of BS6102, the UK standard for bikes, and the CPSC for Bikes in the USA.

Your KMX™, like bicycles, Roller Blades, Roller Skates, Skateboards, Cars, Boats or any other moving vehicle, can cause injury. Exercise caution when riding your KMX™. Pay attention to street signs, be courteous to pedestrians and road users and by all means obey the law. Ensure that both hands are on the handgrips and both feet are on the pedals at all times that the KMX™ is in motion.

For safety we recommend that an Adult should supervise any child using the KMX™.

Adapt your speed always according to the prevailing conditions. Riding down a slope (at an angle,) the KMX™ could topple. Riding downhill will build up a high speed, so please take note of a longer braking distance.

We advise that whilst riding the KMX™ the rider wears proper protection, such as a helmet and gloves while riding.

Ensure that both hands are on the handgrips and both feet are on the pedals at all times that the KMX™ is in motion.

The KMX™ is not suitable for riders less than 1.25m in height, or more than 65 kg in weight.

Do not take bends at a too sharp an angle, this could cause the KMX™ to topple.

Check the tire pressures regularly. See for the correct pressures chapter 3.

In case of improper use of your KMX™ neither the manufacturer nor the dealer can be held responsible.

The KMX™ cannot be used near staircases, swimming pools or any other water. Staircases should be shielded off, to avoid riders being able to ride up or down.

Engage the handbrake button on the rear brake lever to lock the rear brake before leaving the KMX™ unattended.

Colliding and/or other stunts increase the chances of injury, and damage to your KMX™.

In this event, any damage cannot be reclaimed from the manufacturer or the dealer.

Do not place any unnecessary objects on or near the brake handles.

Clothes and limbs could get caught in rotating parts and/or hinge points. Avoid loose clothing like scarves, laces etc., as these could cause accidents.

Clothes could get soiled and/or damaged.

Avoid contact with the wheels whilst the KMX™ is being driven.

This users' manual contains size indication guideline. However the owner is responsible for judging whether or not the KMX™ is suitable for each rider, and that their size is appropriate.

A helmet is not compulsory, but in the interests of safety it is advisable.

Make sure that the seat and sliding boom is in the correct position, for safe use.

Do not let the user mount or dismount the KMX™ whilst in motion.

Do not let the user drive in the dark without lighting.

Only one person can ride the KMX™ at any time. Do not overload your KMX™.

The maximum loading is 65 kg.

Do not attach an engine or any other unapproved attachments to the KMX™.

Do not allow your KMX™ to be pulled by any other vehicle.

KMX Karts Ltd, the suppliers of the KMX™ and/or the manufacturer do not accept any liability for any injury or any other damage sustained and any incurred costs as a result of (wrongfully and/or inappropriate) use of the KMX™.

## 6.0 Maintenance

Every time before you ride:

Approx. time:  
4 minutes.

Inflate tires to correct pressure.  
Replace tires if worn.  
Test Brakes for correct operation.  
Check quick release clamps on both seat and front boom to insure they are locked and tight.  
Inspect tires for damage.

Every week: (in addition to above).

Approx. time:  
2 minutes.

Quickly wipe frame down and inspect for cracks.  
Check bolts and screws are fastened tight.  
Test brakes and shifting for adjustment.  
Inspect seat clamps and boom clamps for cracks and insure adequate tightness.

Every month or after your KMX™ gets wet. (in addition to above).

Immediately after riding:

Approx. time:  
30 minutes.

Dry bike with towel, pedal the drive train with your hands while lifting the rear wheel to spin water out of rear bearing surfaces, cog set, chain, etc.  
Wash bike completely with soap and water. Dry bike, spin wheels and cycle drive train to expel water.  
Apply chain lubricant and wipe off excess.  
Apply lubricant to derailleur pivots and brake pivots.  
DO NOT get lubricant on tires or wheel/rim braking surfaces.  
Inspect wheels, hubs, steering set and bottom bracket adjustment and tightness.

## 6.0 Maintenance (Continued)

Every 6 months. (in addition to above).

Approx. time: 2  
hours.

Complete tune-up (let the bike shop do this if you aren't a mechanic).  
Inspect chain, replace if worn.  
Grease all metal/metal contact surfaces.

Annually. (in addition to above).

Approx. time: 4  
hours.

Complete overhaul.  
Inspect sealed bearing units, clean, grease and adjust all loose bearing units.  
Replace frayed cable

If you stick to this maintenance schedule it is unlikely you will ever have a serious maintenance problem or major mechanical malfunction during a ride.



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## 7.0 Guarantee conditions

The KMX™ owner can only claim under the guarantee by showing the original purchase receipt together with the completed guarantee certificate.

The owner of the KMX™ can claim the following guarantee with the acceptance of the following restrictions:

- One year from date of purchase on the frame (regular use);
- All wear and tear parts (for example chain, crank, chain guides, tires etc.) are not covered by the guarantee.
- The guarantee only applies for material/construction errors of the KMX™ and/or parts thereof.

The guarantee expires in the following situations:

- The KMX™ has been handled without due care, has been involved in an accident, or when non- KMX™ approved parts have been fitted.
- The KMX™ has not been assembled as per instructions and/or not correctly maintained.
- Technical repairs of the KMX™ are not executed professionally.
- Parts fitted afterwards do not match technical specifications of the KMX™ or no original KMX™ parts have been used and/or are not fitted correctly.
- Deficiencies due to climate, like rust, cracks in the rubber or usual weathering of the coatings.
- The KMX™ is used for rental and/or otherwise used by non-specified users.

All claims under the guarantee for the KMX™ have to be accompanied by a copy of the guarantee certificate.

The guarantee certificate needs to be completed and should contain the following details:

- Name and address of the owner
- Date of Purchase
- Description of the parts for which a claim is made under the guarantee stipulations.

The final decision whether or not the broken/damaged parts falls under the guarantee is made by an approved KMX™ engineer.

In case the guarantee request does not apply to the repair, all costs have to be paid by the owner.

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## 8.0 Guarantee certificate

# GUARANTEE CERTIFICATE

(Purchaser copy)

Date of Purchase:

Type KMX™:

Color:

Signature buyer:

# GUARANTEE CERTIFICATE

(KMX Karts COPY)

Date of Purchase:

Type KMX™:

Color:

Retailer KMX™:

Name:

Address:

Town/City:

Zip/Postal-code:

Country:

Phone:

E-mail:

Signature purchaser:

Send to: KMX America LLC  
128 West Market Street  
Urbana, Ohio 43078  
USA