



# KMX Kompact Sports Trike



Assembly Instructions

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# 1.0 Introduction

Thank you for choosing KMX®!

When properly assembled and set up your KMX® 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 a fully functional Trike recumbent. For safety we recommend that an Adult should supervise any child using a 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 at all times 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.

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.

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## 3.0 Assembly Instructions

Carefully lift all the items from the box and remove the protective packaging.

### **Rear Mudguard**

Attach the rear of the mudguard to the wire stay with the M5 Bolt, nut and washer provided. (Photo 1). Attach the front of the mudguard to the frame with the M6 Bolt, nut and washers provided. (Photo 1)

### **Rear Wheel**

Insert the Rear Wheel and secure using the Nuts and Washers or Quick Release provided. (Photo 2).

### **Front Wheel Assembly**

Take the Right Front Wheel Assembly (the one with the gear changer) and attach it to the frame using the M8 Nut, bolt and washers provided. Insert the Plastic Cap (Drawing A).

Repeat for the Left Wheel Assembly.

Fold the front chain tube forward, place the steering rod above the chain tubes and attach the rod ends with the M8 Nuts, bolts and washers provided. (Drawing B).

### **Front Brake**

Attach the brake cable from the Left Wheel to the Double Brake Lever (Photo 3).

### **Rear Brake**

Cut the cable ties holding the rear brake cable to the Left handlebar. Turn the trike upside down and attach the brake cable to the "V" Brake (Photo 4) noting the cable routing in (Photo 5).

NB. If you are not familiar with how to set up your brakes then we would recommend that you visit your local Bike Shop.

### **Rear Derailleur**

Attach the Rear Derailleur to the right side Dropout (Photo 6).

Cut the Cable ties securing the Gear Cable to the Right handlebar. Ensure that the Twist grip changer is in Number 7 and attach the Cable to the Derailleur (Photo 6) noting the cable routing in (Photo 5 and 6).

NB. If you are not familiar with Rear Derailleur set up then we would recommend that you visit your local Bike Shop.

### **Cable Routing**

Secure the brake cables and gear cable to the steering rod with the cable ties provided (Photo 5).

### **Front Boom**

Insert the Boom fully into the front of the frame (Photo 7).

Remove the nut and washer from the front Quick Release Clamp. Position the slot in the Chain Tensioner arm over the Quick Release Clamp Bolt and replace the Nut and Washer. (Photo 8).

Adjust the Quick Release Clamps so that the Boom is free to move when they are released but is held firm when the Clamps are tightened.

## **Pedals.**

Attach the pedals. The Left side pedal has a left thread and Right side pedal has a right thread. The pedals are marked with an "L" and "R" accordingly.

## **Chain**

Starting from the front top chain tube feed half the chain length through the front chain tube, under the Pulley, through the rear chain tube and around the Derailleur. Feed the remaining chain around the chain tensioner, front chain ring and through the bottom chain tube. (Use Photos 9, 10 and 11 as a guide).

Connect the ends of the chain using the Quick Link Connector provided (Photo 12).

## **Seat**

Slide the Seat Stay Tubes over the Seat Stay Adjusters that are attached to the Dropouts (Photo 13).

Select the second hole from the Dropout end and insert the bolt through the Seat Stay and secure it with the knob provided. (Photo 14).

Attach the bottom of the Seat to the trike frame with the clamps provided. (Drawing C).

## **TRIKE SET UP**

Place the trike on the floor.

Slide the boom into the shortest position.

Position the seat along the frame to give a comfortable angle when seated.

Sit in the seat and adjust the boom length so that your right leg is straight with no bend at the knee when the right pedal is at its furthest point and your heel is on the pedal (Photo 15). This will ensure that when you are cycling and you have the ball of your foot on the pedal, you will have a slight bend at the knee (Photo 16). If you cannot reach the pedal then move the seat forward by extending the seat stays and sliding the seat clamp forward on the frame. When you are happy with your final position, tighten the boom, seat stay and seat clamp screws.

## **HANDLE BAR SET UP**

Sit in the seat and set the handlebars to a comfortable reach and angle, making sure your hands are clear of the tyres. Tighten the handlebar clamps (Photo 17)

**Note: The maximum extension of the handlebars is 20mm.**

## **FRONT WHEEL ALIGNMENT**

Place the trike on level ground and measure between the inside of the front tyres in the positions shown (A and B). Loosen the lock nuts at either end of the steering rod (1 x Left & 1 x Right hand thread). Turn the rod until the measurement between the front and rear of the tyres is equal. Now retighten the lock nuts. (Photo 18).

## **FITTING THE FLAG**

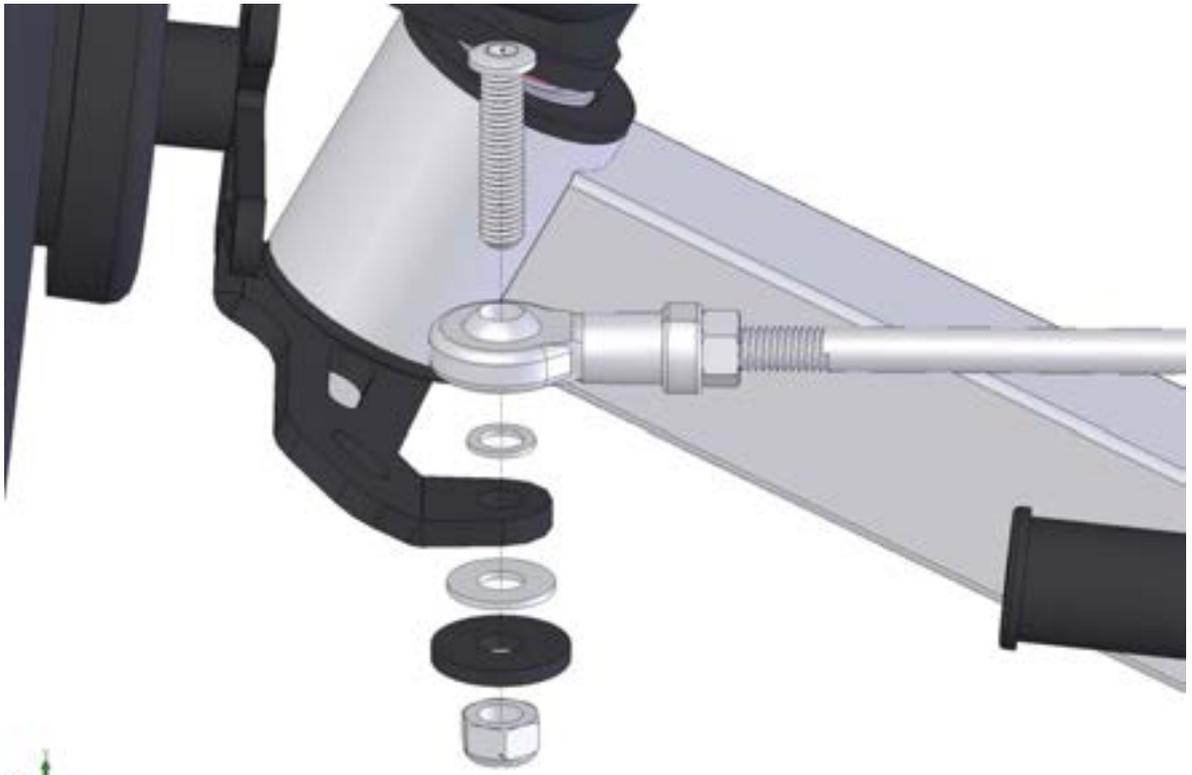
If required fit the Flag to the rear wheel axle by first loosening the quick release clamp or axle nut. Insert the flag bracket and tighten the clamp or axle nut (Photo 19).

## **Fitting the Front and Rear Reflectors.**

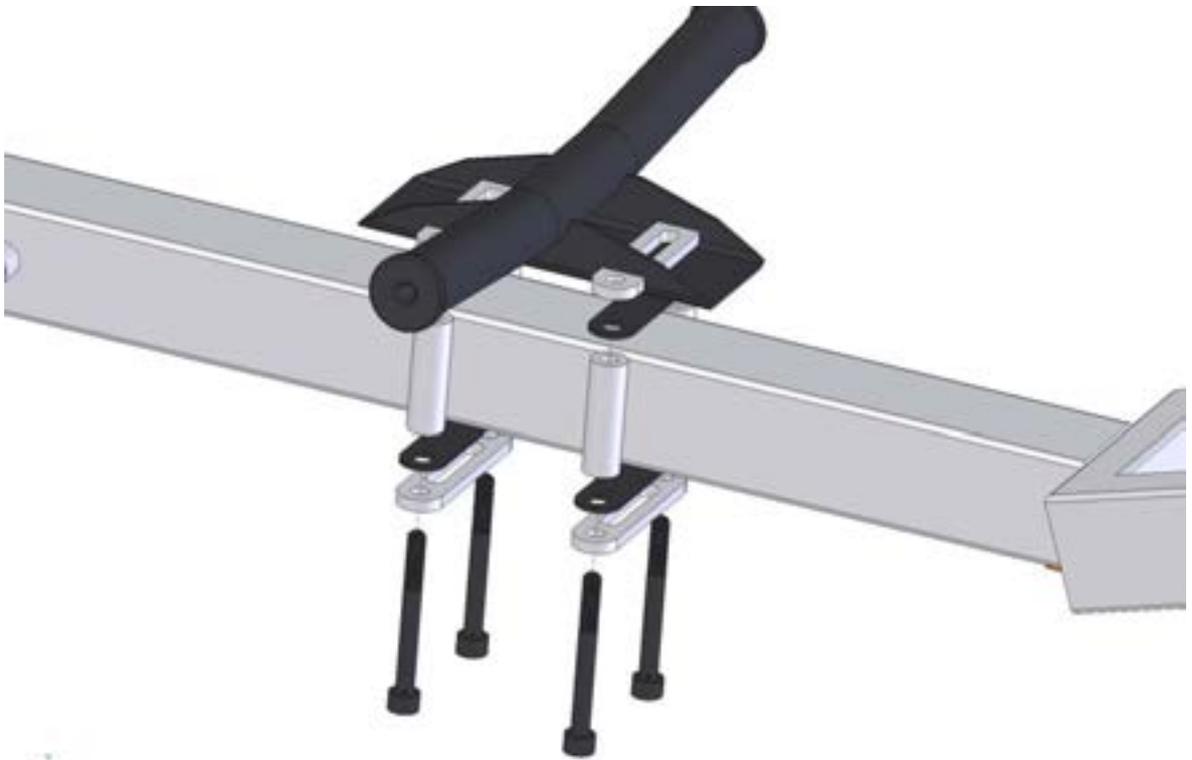
For suggested Reflector positions, refer to Photos 20 and 21.



DRAWING A



DRAWING B



DRAWING C



Photo 1



Photo 2



Photo 3



Photo 4

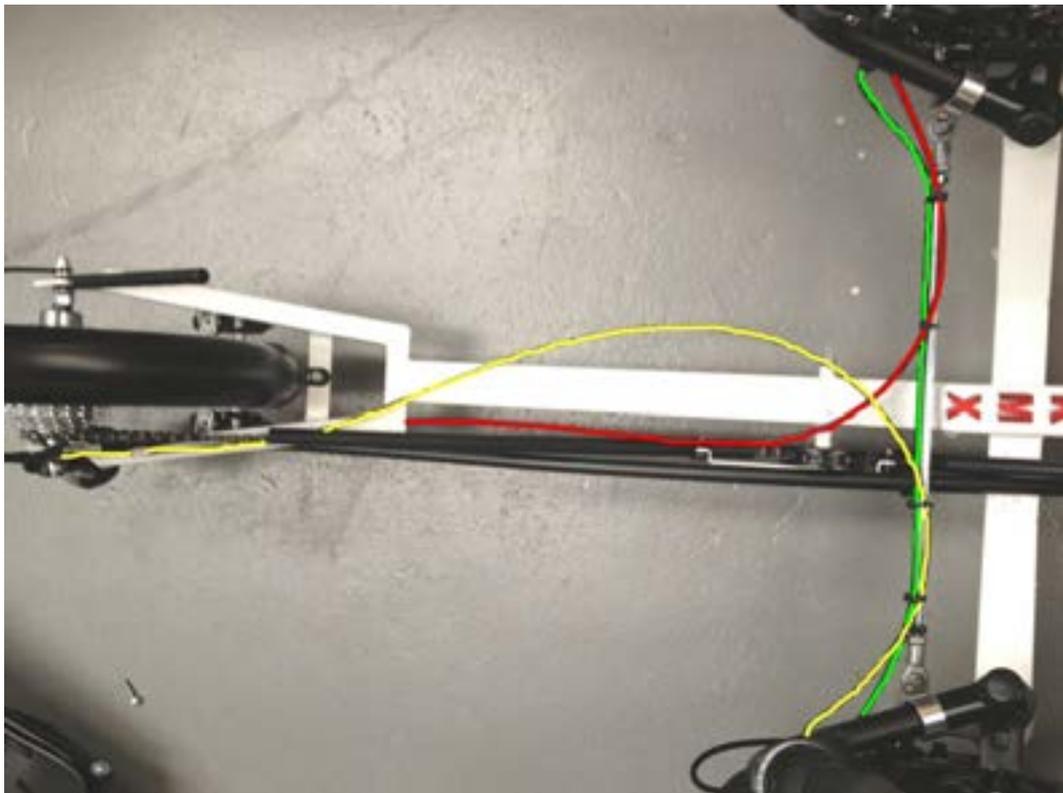


Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12



Photo 13



Photo 14



Photo 15



Photo 16



Photo 17

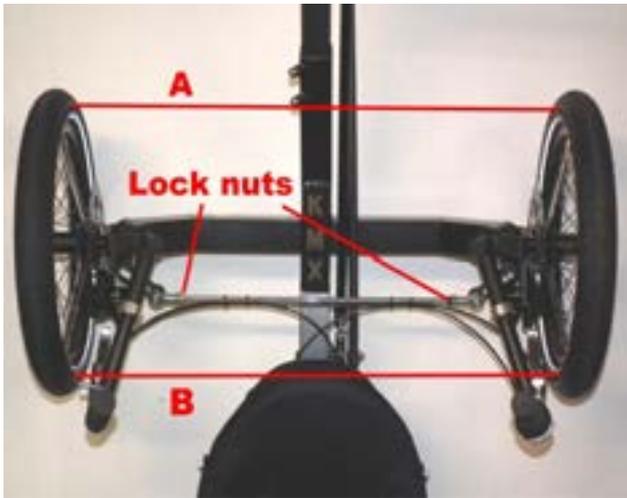


Photo 18



Photo 19



Photo 20

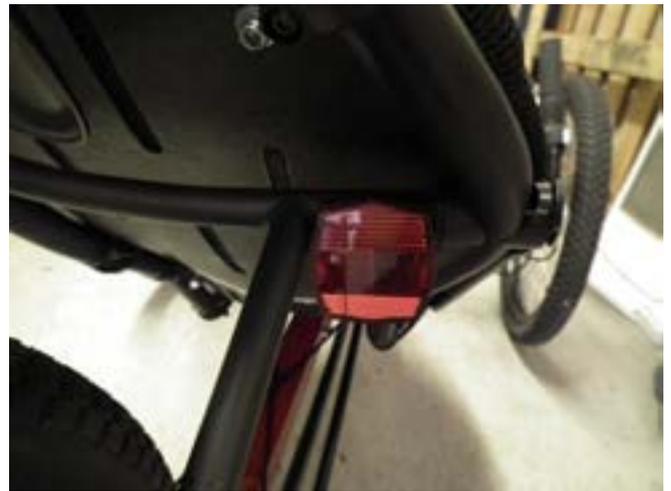


Photo 21

## 4.0 Guidelines for safe use

Before using your KMX®, please check that it is in good working order, that all bolts and screws are tight, that tyre pressures are as they should be and that the brakes are working correctly.

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.

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

Check the tyre 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 his or her 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 75kg.

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®.

## 5.0 Maintenance

Every time before you ride:

Approx. time: 4  
minutes.

Inflate tyres to correct pressure.  
Replace tyres if worn.  
Test Brakes for correct operation.  
Check bolts on both seat and front boom to insure they are tight.  
Inspect tyres 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.

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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## 6.0 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, tyres 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 parts for which a claim is being made under the guarantee.

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.

## 7.0 Guarantee certificate

### **GUARANTEE CERTIFICATE**

(Purchaser copy)

Date of Purchase:

Type/Model KMX®:

Colour:

Signature buyer:

### **GUARANTEE CERTIFICATE**

(KMX Karts COPY)

Date of Purchase:

Type/Model KMX®:

Colour:

Retailer KMX®:

Name:

Date of Birth:

Address:

Town/City:

Postal-code:

Country:

Signature purchaser:

Send to: KMX Karts Ltd  
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Mayles Lane  
Fareham  
Hampshire  
United Kingdom