

Trike Bike Assembly Manual

Thank you for your purchase of a genuine Trike Bike. We are sure that when assembled correctly this tricycle will provide you with many years of service and enjoyment. It is important to know that not everybody has the skills to assemble and tune a tricycle and we recommend assembly is completed by a professional or somebody with the necessary mechanical skills. We do however remain available at any time to answer your questions so please reach out as necessary during the assembly process if you need assistance.



Important Information



Symbols Used

Where you see this symbol you are being highlighted to a task which is important, needs extra attention, or relates to safety



Danger

Warns about a situation that will cause death, serious physical injury and/or tricycle damage if you don't obey the safety instructions.



Warning

Warns about a situation that can cause death, serious physical injury and/or tricycle damage if you don't obey the safety instructions.

Service & Technical Support



This manual is Intended to provide guidance and reference for the assembly, maintenance and repairs of your Trike Bike.



A tricycle is a complex personal mobility device and there will be times you need to seek additional assistance from a professional bicycle mechanic.



Our website lists our preferred maintainers who are experienced on Trike Bikes.



Please watch the extensive video assembly guides on our website for more information.

This manual provides generic instructions for all models of Trike Bikes.

Where there are differences between different products they will be noted by using the following symbols for clarity.

- S** Standard Tricycle
- E** Electric Tricycle
- F** Folding Tricycle

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Certification Notice: Your Trike Bike meets/exceeds all Australian rules and regulations including the following where they apply. AS/NZ S1927:2010, Pedal Cycle (AA), Power Assisted Pedal Cycle (AB), EN 15194:2009, EN 15194:2009. The product(s) satisfies the requirements for the attachment of these certification marks.

THE MAXIMUM ELECTRIC TRICYCLE SPEED IS HARD LIMITED TO 25 KPH MAXIMUM CONTINUOUS RATED POWER

There are references in this manual to the torque settings of different nuts and bolts, a torque wrench is recommended but not necessary to complete the assembly of your Trike Bike.

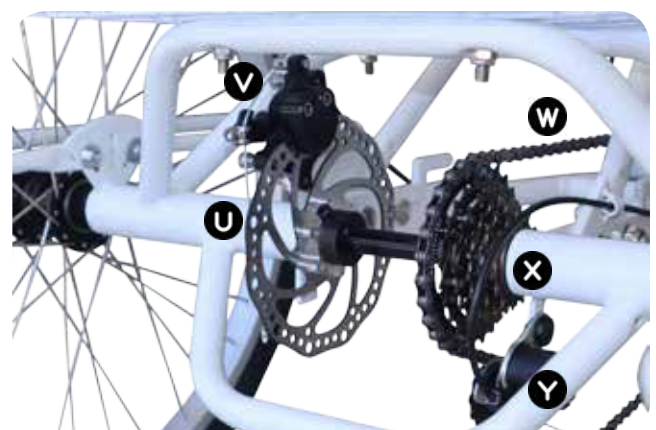
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Parts description



Electric Model Shown In Photograph

- | | | | |
|--------------------------|-------------------------------|---------------------------|------------------------|
| A Seat | H Bell | O Rear wheel free | V Rear calliper |
| B Front Basket | I Front brake | P Rear wheel drive | W Chain |
| C Rear Basket | J Rear brake | Q Battery | X Gear cluster |
| D Headlight | K Gear change | R Pedal | Y Deralier |
| E Front Reflector | L Handlebar controller | S Front disk | Z Mudguard |
| F Wheel reflector | M Front forks | T Front calliper | |
| G Handlebars | N Front wheel | U Rear disk | |



Trike-Bike Assembly Manual

Introduction

We would like to extend our congratulations on your purchase of a Trike Bike tricycle. As an established importer of high-quality tricycles since 2007, Trike Bike Australia is pleased to offer our assistance with the assembly process of your new tricycle. This manual has been created to provide you with assembly instructions that will ensure your tricycle is safe and enjoyable to ride for many years to come.

For more detailed instructions, videos, and photographs to help with the assembly of your new Trike Bike, please visit our website, www.trike-bike.com.au. In addition to these resources, our video gallery is also available for your use. We recommend taking the time to view the various assembly videos, as they can be a tremendous help.

Please note that these assembly instructions are generic and apply to all models, including the Standard Pedal Trike Bike, Electric Trike Bike, and Folding Trike Bike. However, some steps shown or mentioned may not be applicable to the assembly of your specific tricycle. In such cases, we will use the following symbols to highlight any differences between products for additional clarity.

S STANDARD TRICYCLE

E ELECTRIC TRICYCLE

F FOLDING TRICYCLE

If you have any questions or concerns, please do not hesitate to contact Trike Bike via phone at (07) 5522 0583 and ask for workshop assistance, or by email at bigm@trike-bike.com.au

Tools required

Only basic tools are required for the assembly of your tricycle, most of these are available in typical Australian households. If there is anything you need then these can be purchased cheaply from your local hardware store like Bunnings etc..



Adjustable wrench, also known as Crescent wrench



Selection of metric spanners including 10, 13, 15 and 17mm sizes



Screwdriver, normal (flat) and phillips head (star)



Metric Allen key set



Loctite or nail polish

Unpacking

When delivered, your Trike Bike will arrive in two boxes. The larger box, weighing around 23 ~ 32 kg (depending on model), will contain the frame and other essential parts. The second, smaller box, weighing ~ 5kg, will have the front and rear baskets and these assembly Instructions, as well as any accessories purchased, such as a comfort seat, helmet, or chain lock, these will also be included in the smaller box.

To ensure that the contents of the boxes remain undamaged, use a sharp knife to carefully open them, taking care to avoid cutting or scratching any of the parts inside.

Please note that the cardboard box lids may have sharp staples that could cause personal injury.

Once opened, take out the parts and place them on the ground. Use your knife to cut open the sides of the box, creating a flat workspace to prevent damage during assembly.

To start the assembly process, begin by identifying and familiarising yourself with the individual parts with the help of this manual and our assembly videos.

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Hardware Identification

To assemble your Trike Bike, you will use the hardware that is either contained in a small cardboard box, or individually wrapped. The small box contains essential components such as the LED light, chain, seat-post, reflectors, front disc brake and caliper, brake cables, pedals, nuts and bolts, and other associated hardware required for the assembly process.

Please refer to the accompanying photo for an example of the parts included in the package. It's important to note that your contents may vary slightly depending on the specific model of your tricycle.



Hardware nuts and bolts



The hardware required for assembling your Trike Bike, such as nuts, bolts, and brackets, are conveniently packaged in a large plastic bag. Inside this bag, you will find multiple individual bags of numbered hardware, each containing the necessary hardware for a specific stage of the assembly process. By using numbered bags, you can easily identify which hardware is required for each step of the assembly. This system ensures that each nut, bolt, or other piece of hardware is used in the correct location.

Package 1 contains:

The hardware to connect the Trike Bike frame to the back axle section of the tricycle, you will require 4 large bolts M10, 4 x M10 washers, and 4 x M10 nyloc nuts.

Please note that 2 x M10 bolts are already installed on the rear axle assembly, and the remaining 4 bolts, washers, and nuts will be used to secure the Trike Bike frame to the back axle section.



Package 2 contains:

The bolts required to connect the chain guard. Specifically, you will find 2 x M5 bolts with domed heads, which are placed at the top and bottom of the chain guard support bracket. Additionally, there is an M6 bolt with a hexagonal head that will be used at the rear of the chain guard to secure it to the main tricycle frame.



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E ELECTRIC TRICYCLE

Package 3 Electric Contains:

The saddle and backing plate, along with the 2 x M5 domed bolts which are used to attach the front mudguard to the front mudguard bracket.

The other M6 bolts are used to attach the front mudguard to the front forks, connect the mudguard to the forks, and the others are for securing the front basket bracket.

S STANDARD TRICYCLE

Package 3 Standard Contains:

The saddle and backing plate, along with the 2 x M5 domed bolts which are used to attach the front mudguard to the front mudguard bracket. The 2 x M6 short bolts are used to attach the front mudguard to the front forks. The long M6 bolt, washer and nut secure the front mudguard to the front forks.

Package 4 contains:

8 x M5 bolts which are used to attach the rear mud guards to the rear mudguard frame.

Package 5 Contains:

4 x M6 bolts with washers and nyloc nuts.

These are used to attach the rear mudguard frames to the main rear axle unit of the Trike Bike.



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Package 6 Contains:

4 x M8 bolts, 8 x M8 washers, and 4 x M8 nyloc nuts.

These are used to attach the rear basket to the Trike Bike rear frame.



Package 7 Contains:

Included in the package are several components, including the seatpost clamp, 3 aluminum "tubes" that are closed off at one end, and are designed to cover the brake and gear-change cable ends, preventing them from fraying.

You will also find several small brackets that will be used to mount the front basket.



E ELECTRIC TRICYCLE

Unmarked Package

Contains 6 x M5 bolts to connect the front disk to the front wheel hub. Note: these already have loctite added. Use M4 Allen key to tighten.

⚠ WARNING

The torque value for these 6 bolts is 10 - 12 Nm.



To comply with legal requirements, it is mandatory to install reflectors on the Trike Bike before riding.

The package contains several reflectors that are to be attached in specific locations.

A yellow/amber reflector is installed on the spoke of each wheel.

A white reflector is attached to the front handlebar.

Two red reflectors are installed on the rear mud guards, facing backward.

Reflectors are already permanently attached to the pedals.

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Pre-assembly statement

Find a safe and suitable location where the hardware can be properly laid out for the assembly process. We recommend using a large workbench and a couple of car jack stands to support the tricycle during assembly. However, if these are not available, alternative options such as pieces of wood or a plastic milk crate can also be used. It is important to note that rushing the assembly process should be avoided, please take your time. Positioning the assembly at a comfortable height can help prevent sore knees and back pain caused by kneeling on the ground.

Despite our provided assembly instructions and online videos, some individuals may not possess the required skills to assemble a tricycle. In such cases, we have a list of assembly specialists on our website, or contact your local bike shop who should be happy to assist you.

It is essential to have the appropriate tools available, a clean workspace where nuts and bolts won't be lost, and enough time to complete the assembly without distractions. It is important to pay close attention to using the correct hardware in the right location, as although many nuts and bolts may appear similar, they are not necessarily interchangeable.

Your first task should be to carefully remove the bubble wrap from all parts while trying to avoid any damage, cuts, or scratches to the paintwork.

Throughout this manual, when we refer to the left or right-hand side, this means the orientation as if you are seated on the tricycle.

Rear axle assembly

To begin the assembly process, find the rear axle assembly and place it on car stands or other appropriate supports to aid in balancing. Next, locate the areas where the bolts must be inserted through the rear tab and where they pass through to the main frame. It's worth noting that two bolts on the left-hand side are already in place due to the disk brake being positioned there during the factory pre-assembly.



Connect the main frame to the rear axle assembly

Take care to align the mainframe with the rear axle assembly, keeping in mind that the frame should be on the outer side of the rear axle assembly, as shown in the photographs. A helper will make this task much easier.

Use the 4 x M10 bolts provided in Package 1 to complete fitting the rear axle assembly to the main frame.

When completed there will be 3 bolts on each side of the frame, they are tightened fully in the next step.



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Bolting the frame and rear axle assembly together

Bolting the 2 frame assemblies together is one of the most important tasks during the assembly process. Once you have all 6 bolts finger tight it's necessary to raise the frame upwards so you can pull it down on the frame for it to sit in the correct position to tighten the bolts.

If you don't position the frame correctly it will make the rear axle assembly to be offset at an angle, and your tricycle will track sideways when riding.

This misalignment will cause excessive tire wear.

A 17 mm spanner or socket is needed to tighten this assembly correctly.

WARNING

The torque value for these 6 bolts which attached the main frame to the rear axle assembly is 25-35 Nm.



Fit the front wheel

Temporarily fit the front wheel into the front forks. Before doing this however it is necessary to mount the disk brake onto the front wheel assembly. It is left off during shipping to prevent damage.

On the standard pedal Trike Bike screw the front disk onto the front wheel hub in a clockwise direction with the bolt heads facing outwards and the collar pointing inwards. Tighten the disk as firmly as you can by hand. The disk will tighten further the first time you are riding and apply the front brakes. There are several washers that make up part of the assembly and these must be fitted in the correct sequence. Please refer to our assembly video or the photographs immediately below which show the correct assembly process

WARNING

The torque value for these 2 axle bolts when they are tightened later in the assembly is 25-35 Nm.

STANDARD TRICYCLE



ELECTRIC TRICYCLE



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Fit the front brake caliper

To attach the front brake caliper, fasten it onto the lugs located on the left-hand side of the front fork. First, locate the 2 x M6 bolts for the front caliper mounting, then position the caliper over the disk that's already attached to the front wheel, and finally, align the caliper in place before tightening the 2 bolts.

⚠ WARNING

The recommended torque value for these 2 bolts is between 10 to 12 Nm.



Fit the seat post and clamp

Attach the seat clamp as shown in the photographs below, then slide the seat support pole down into the tube and secure it in place using the clamp. Keep in mind that the height of the seat can be adjusted to accommodate the individual rider when it's time to test ride the Trike Bike. To prevent slippage the clamp must be tightened firmly.



Fit the seat

Make sure that the seat is sitting level and the seat bracket is not all the way down on the seatpost. If it is all the way down it won't clamp correctly. When positioned correctly tighten the M13 nuts on each side of the seat clamp.

⚠ WARNING

The torque value for these 2 nuts is 18-20 Nm.



Fit the handlebars

The front handlebar assembly is now fitted into the front fork assembly; everything is aligned so the handlebars are at 90° to the front wheel and then the handlebar assembly is secured by tightening the anchor bolt with the M6 Allen key as shown below.

Make sure the handlebar post is inserted to the mark on the front fork assembly. Make sure this bolt is tight, at the same time it will be necessary to adjust the angle of the front handlebars by using an M6 Allen key on the front side of the handlebar clamp, it's critical to remove any plastic in this clamping area otherwise the handlebars will not be held firmly and will slip. ⚠ **WARNING** Note: the critical torque settings below.



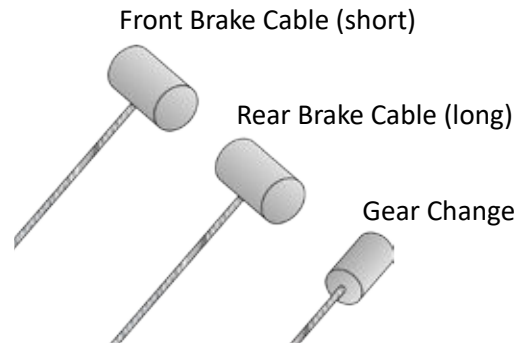
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Identify the different cables

There are 3 cables used in the Trike Bike assembly, the front brake cable, the rear brake cable and the gear change cable

The gear change cable inner, may already be in position in the gear change unit the other cables will be wrapped in the accessory box.

NOTE: when connecting the cables to the handlebar levers. The left hand side is the back brake, right hand side is the front brake.



Fit the gear change cable

The gear change cable consists of two parts: the inner cable (silver colour) and the outer cable (black colour). Typically, the inner cable is already installed in the gear change selector, but if it's not, please refer to our instructional video. Unwrap the inner cable and ensure it's free of bends or kinks, if it is kinked it may not work properly. Next, thread the inner cable through the outer cable, making sure the outer cable is correctly positioned in the receiver on the gear change unit that's mounted on the handlebar. The cable should then pass over the silver bracket that holds the front basket, and through the cable holders located on the left-hand side of the tricycle down tube frame. Once it reaches the bottom bracket where the pedals are located, the cable should cross over to the right-hand side of the tricycle and connect to the gear change derailleur.

At this stage, don't attach the gear change cable to the derailleur as there are adjustments that need to be made before final installation.



Fit the front brake cable

The front brake cable is connected to the right-hand handlebar lever, the cable then passes over the silver bracket which holds the front basket and the cable drops vertically, pass through the cable holder on the left front fork leg before the cable is inserted into the brake caliper. Pull the cable tight and pass through the cable clamp.



Fit the rear brake cable

The rear brake cable is connected to the left-hand handlebar lever, the cable then passes over the silver bracket which holds the front basket and through the cable holders located on the right-hand side of the tricycle's down tube frame. Underneath the bottom bracket where the pedals are located the cable then crosses over to the left-hand side of the tricycle and goes through the last cable holder before it is attached to the rear disk brake caliper. cont..

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Fit the chain

The chain is threaded over the rear gear cluster, through the derailleur and then back up to the front sprocket. Each end of the chain is connected by a metal pin which is pushed through the chain link to secure the chain correctly.

There are specialty tools for doing this task, but it can also carefully be done with a large pair of pliers if you have nothing else available, details are shown in our video. The connection pin should be moved to check for binding.

Note: Do not damage the pin or chain or it will need to be replaced.



Adjusting the gears

To adjust the gears on your tricycle, start by adjusting the derailleur movement to ensure that the chain can reach the top and bottom gears. Make sure the cable is disconnected from the derailleur and rotate the pedal crank in the normal direction of rotation while observing the chain position on the rear cogs. If the chain runs smoothly on the smallest cog, then you are ready to proceed to the upper adjustment, If not, adjust the top bolt in the derailleur to adjust the arm movement until it is in the correct position.

As you continue to rotate the crank, push the derailleur over towards the largest cog, pressing with your fingers where the name "Shimano" is written on the photos below. If the chain progresses smoothly to the largest cog, then you are good to go. However, if it does not reach the largest cog or falls off, adjust the bottom bolt in the derailleur to set the limits.

Once these limits have been set, ensure that the handlebar gear selector is in position 6, the cable is pulled tight at the other end, and then connect it to the derailleur. Test the gears to ensure that they are changing correctly, and make any necessary adjustments as required.

Watching our instructional video on our website will be helpful in performing these tasks correctly.



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Fit the chain guard

Install the chain guard using three bolts in package 2. The two smaller bolts with round heads secure the front of the chain guard, while the larger hexagonal bolt secures the rear.

Please note that the front chain guard attachment bracket may sometimes be positioned incorrectly, but this is not an issue.

Connect the front two bolts, and then use the end of the chain guard as a lever to twist the bracket into the correct position, aligning the rear hole correctly. Don't be afraid to twist the bracket since it has been designed to be rotated.



Fit the pedals

First, remove the pedals from their plastic wrapping and examine the end of the pedal axle carefully.

One of the pedals will have the letter "L" stamped onto the end of the axle, indicating that it should be fitted on the left-hand side of the tricycle. The other pedal will have the letter "R" stamped into the end of the axle, indicating that it should be fitted on the right-hand side of the tricycle.

WARNING

When attaching the pedals to the pedal crank arms, it is important to note that the left pedal has a left-hand thread.

Therefore, you should insert the left pedal into the crank arm and turn the axle counterclockwise to screw it into the correct position.

On the other hand, the pedal on the right-hand side has a normal right-hand thread, so you should insert the pedal into the crank arm and turn the axle clockwise to screw it into the correct position. The torque value for both pedals when tightened is 20-25 Nm.



Left-hand pedal - counter clockwise



Right-hand pedal - clockwise

Fit the right rear wheel

To install the right rear wheel on your Trike Bike, identify the wheel that has one bearing and a plate on the other side, this is the drive wheel. The left wheel has bearings on both sides. Align the plate on the right wheel axle with the collar on the rear axle, and push the wheel firmly onto the collar.

Next, follow this assembly order: after sliding the wheel onto the shaft, then fit the silver washer, apply loctite, followed by the normal nut, and finally, the dome nut. The dome nut serves as a safety precaution to prevent clothing from getting caught on the end of the axle, and it also acts as a lock nut to prevent the nuts from coming loose even though you have used loctite.

Note: although the Trike Bike has two rear wheels, only the right side wheel is used to drive and brake, while the left wheel turns freely. This is normal and common for most tricycles.

The torque value for the right wheel nuts is 20-25 Nm. cont..



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Fit the left rear wheel

One of the more crucial steps in assembling a tricycle is fitting the left rear wheel. The rear axle of the tricycle is designed to float sideways slightly during normal riding, this is typical for this type of axle assembly. It is important to note that while the right-hand wheel, which is responsible for driving and braking, is held firmly in position, the left-hand wheel nuts should only be tightened to 4.5 Nm.

⚠ WARNING This step is critical and should not be overlooked.

Tightening the left-hand wheel nuts beyond 4.5 Nm will cause stress and load on the rear axle bearings, leading to premature wear and damage, and creating future maintenance issues. To prevent the nuts from coming loose, they should be secured with loctite. If you hear a clunking sound from the rear of your tricycle while riding, it will be due to over-tightening the left-hand wheel nuts.

Remember, 4.5 Newton meters is just over finger tight, but it is important to ensure that the nut and the dome nut are locked together securely and held in place with loctite.

Fit the left hand wheel so the tyre tread pattern matches the same direction as the right hand wheel.



Fit the rear basket

To install the rear basket on the Trike Bike, first, measure the distance between the basket and each wheel, and center it accordingly. Although it does not need to be precise to the millimeter, it is important to be centered for visual appeal. The basket is secured in place using four M8 bolts that pass through white support brackets, through the basket, and through the rear axle frame.

The white support brackets can be installed in either a North-South or East-West direction. However, it's important to note that if you have big feet, your heels may occasionally hit the basket when pedaling. In this case, we recommend moving the basket approximately 50 mm backwards to prevent any inconvenience.

⚠ WARNING The torque value of these bolts is between 10 to 12 Nm.



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Basket and front mudguard brackets

Locate the two silver support frames which go on the front mud guard and on the front basket.

The support frame which has a circular end is used for the front mud guard. The support frame with the square end attaches to the bottom of the front basket.

E ELECTRIC TRICYCLE

S STANDARD TRICYCLE



Fit the front mudguard

Locate the hardware in package 3 to fit the front support bracket to the bottom rear of the front mud guard as shown in the photograph. Make sure everything is aligned correctly and centrally positioned before tightening the bolts. Then connect the top of the mudguard to the fork crossover and then the bracket to the fork legs



Fit the front basket

The front basket is secured in two locations. Firstly, the silver bracket extending from the bottom of the handlebar stem area is attached to the rear of the basket. Additionally, a bracket is connected to the bottom of the basket and holds a U-shaped silver bracket, which in turn attaches to the front wheel axle on the standard tricycle and the top of the forks on the electric model. This method of mounting ensures a sturdy and long-lasting attachment.

It is important to note that the weight limit for the front basket is 5 kg. While it is possible to exceed this limit, doing so will affect the steering and is therefore not recommended.

S STANDARD TRICYCLE & **E** ELECTRIC TRICYCLE



S STANDARD TRICYCLE

S STANDARD TRICYCLE

E ELECTRIC TRICYCLE



Final tightening of the front wheel

On the Electric tricycle there is nothing more to do, simply check the wheel is positioned correctly and tighten the nut on both sides while pulling down on the forks. On the standard tricycle make sure the assembly process is correct so we firstly have the special dropout washer, then the bracket to the front basket, then a washer and finally a nut, again pull down on the forks when tightening.

⚠ WARNING The torque value of these nuts is between 28 to 30 Nm.



Fit the bell

Typically, the bell is secured to the left handlebar adjacent to the brake lever using the supplied small bolt. Take care when tightening the bolt, as excessive force may result in the plastic bracket breaking.

The bell operates by rotating the black rim located on the outer side, making it easier for seniors with arthritis who may have difficulty using traditional bells that require thumb usage.



Fit the front reflector

The front reflector is normally mounted onto the handlebars. First attach the bracket to the handlebars and then slide the reflector onto the post. You will hear a clicking sound when it is mounted correctly. Don't overtighten the small screw in the bracket base or you will strip out the plastic thread.

It's worth noting that the front reflector design and fitment has been updated from the one shown in the original assembly videos.



Fit the front light

The front light varies at times and can have different attachment methods. From early 2023 we supply an LED front light with integrated siren. This light is recharged through a USB outlet with the supplied cable. The light offers several modes, such as steady on, slow flashing, and fast flashing. It is easily connected to the handlebar with the supplied rubber straps. Instructions are included with the light and you are required to fully charge the light before first use.



Adjust the rear brake

Adjusting the rear brake is better described by watching the videos in the video gallery section of our website. In a previous section of this manual you will already have the brake cable attached at the handlebars and the cable will be routed along the frame and cross over underneath the pedals where the cable will follow the left-hand rear frame and attached to the rear disk brake caliper. Firstly, check that the M5 Allen key bolt holding the disk collar to the rear axle is firmly tightened and that the key is correctly positioned in the collar. More details on this is in the mentioned video.

It is important before starting your adjustments to make sure the caliper is sitting correctly with regards to the rear disk assembly, the caliper is a floating caliper which means it can move at the same time as braking, this is normal and a unique feature of a tricycle. The caliper must be adjusted according to the rear brake video on our website.



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Fit the rear mudguards

Fit the rear mud guards as shown in the photographs below. It is important that these are fitted level so that the Trike Bike looks good from the side. If the main support bracket is tilted at an angle it ruins the aesthetics of the tricycle, It is okay if necessary, to bend this bracket slightly so that the mudguards sit vertically.

You need the rear mud guard supports to be positioned centrally with the front and the rear of the tire position. Once you are happy with the location you can then go ahead and tighten the two bolts at either end of the mudguards support, again taking care to make sure that it stays aligned with not only the front and rear of the tire but also the top of the tire.



Fit the wheel reflectors

To comply with Australian regulations, it is mandatory to attach the red rear reflectors.

The reflectors are attached through the pre-made holes in the rear mud guards. Two hole positions are available, and the reflector bolt should be passed through the highest hole position, the bottom hole position is aligned to a bump on the reflector itself to stop it from turning when mounted.

An M4 nut is used to secure the reflector permanently in place.



Tyre pressure check

Maintaining the correct tire pressure on a tricycle is crucial for several reasons. Firstly, if the pressure is low, there will be increased rolling resistance, making it harder for you to pedal. Additionally, the tricycle will lean further when going around corners, which is not ideal and will prematurely wear or damage the tires.

WARNING

It's recommended to maintain a tire pressure of 55 psi (3.8 bar) in all three wheels for optimal performance.

DANGER

It's advisable to avoid inflating the tires at service stations, since the new-style air pumps will damage or explode your tires possibly causing personal injury.



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Final checks

Once you have completed the assembly of your tricycle, it is important to perform a final check to ensure that it is safe and ready to use. Start by standing back and assessing the overall appearance of the tricycle. Stand in front of the tricycle and ensure that the front wheel is positioned vertically in the forks, stand behind the tricycle and make sure that the rear basket is positioned approximately central to the rear wheels. Then, stand to the side of the tricycle and check that the seat angle is correct and level with the ground.

After completing the visual inspection, it is essential to go back and check all the crucial nuts and bolts to ensure that they are tight and secure (wheels, seat, handlebars, brakes etc.). It is common for some components to require adjustment after five to ten hours of operation due to bedding in, this is normal and to be expected.

It's important to perform these final checks to ensure that the tricycle is safe and ready to use.

Test ride

Note: please read the Trike Bike Operator Guide (following) for instructions on the safe use of a tricycle.

Pick a clear location away from obstructions and pedal off to a moderate pace, firstly testing the rear brake and then the front brake. Both brakes should work very effectively even though they are new and not bedded in correctly. Once you are confident that you can stop correctly it is then time to go through the gears and make sure that the bike is shifting gear correctly, once this has been tested make any adjustments required to the brakes and the gear change and then head off into the wilds enjoying your new Trike Bike.

It is completely normal to make some minor adjustments to the tricycle after approximately 10 hours of use as everything settles in and the cables stretch etc, any questions please don't hesitate to contact us directly.

Enjoy your Trike Bike!

Please note: Trike Bikes are not indestructible & every part of a Tricycle has a limited useful life and must be serviced regularly in accordance with the operating instructions.

Be sure to check our website for more instruction details, videos and photographs as well as a complete listing of each Nut and Bolt for the Trike Bike.

<https://www.Trike Bike.com.au/hardware-checklist/>

Go to the heading marked **VIDEO GALLERY** and take the time to watch our videos

Finally, be sure to spray your Trike Bike with INOX, MX3 or similar protectant to keep oxidization or corrosion under control especially if you live near the beach.

Don't spray the brakes!

A little regular maintenance will keep the Trike Bike looking new for years to come.

Trike-Bike Operator Guide

Operator Guide - Important information

Please carefully read and become familiar with this operator guide before using the tricycle to ensure safe operation and prevent potential accidents. It is important to keep this manual as an ongoing reference for product knowledge and safe riding of the tricycle, and to pass it on to any new owners or riders for reference.

This manual includes warnings and dangers related to the safe operation and potential consequences of riding a tricycle. All information in this Operator Guide should be studied thoroughly, and if you have any questions, please contact Trike Bike or your distributor/dealer immediately.

It is essential to fully understand the warnings and cautions provided in the manual as they directly relate to hazardous or dangerous situations. Although every effort has been made to anticipate potential situations or conditions that may occur while riding, this manual makes no representation about the safe use of any Trike Bike under all conditions. The risks associated with the use of this/these product/s cannot be predicted or avoided, and risk is the sole responsibility of the owner or rider.

Please note that all content in this manual is subject to change or withdrawal without notice. While Trike Bike makes every effort to ensure the accuracy of its documentation, it assumes no responsibility or liability for any errors or inaccuracies that may appear in this manual.



WARNING

To enhance your safety and minimize the risk of accidents, try to steer clear of roads with other vehicles whenever feasible.

Always ride within your abilities and the conditions, especially when you are learning.

Never carry more than one person on the tricycle, as this is dangerous and illegal, unless you are using an approved child seat.

Also, never ride after consuming alcohol or taking medicines that may cause impairment.

Please note that the recommended maximum rider weight is 150 kgs. To avoid overloading, do not carry too much weight and do not ride too fast.

The baskets are strong but not indestructible, so avoid overloading them with unusual shaped, heavy items that are not supported correctly in the basket base. The front basket has a capacity of 5 kgs, while the rear basket can carry up to 50 kgs.

For increased safety, reduced wear and tear, and reduced power consumption, it is recommended to avoid sudden starts and stops.

Pre-ride checks

- Before each day's ride, perform the following checks to ensure maximum safety:
- Normal operation of the front light, brake system, and brake lever power cut-off system if riding an electric tricycle.
- Check parking brakes are in the OFF position and released.
- Check tire pressure is 50 - 55 psi (3.4 - 3.8 bar), low pressure will influence both handling and speed and increase your pedaling effort and if riding electric it will decrease your range.
- Check front and rear wheels, if there is any movement anywhere then tighten before riding.
- Check the battery charge level is sufficient for the upcoming ride if riding electric.
- Check the front and rear brake system for stopping and free operation.
- Adjust the handlebars to your preferred position.
- Adjust and secure the seat into the position that suits the riders height.
- Make sure any loads are secure and not overweight or overhanging.
- If you are transporting dogs or other pets make sure they are fully protected from moving parts, have a secure floor to avoid slipping, and they are properly secured.
- Wear appropriate high visibility clothing and closed shoes that provide protection.
- Always wear a helmet

Trike-Bike Operator Guide

How to ride safely

Position the tricycle on a level surface, ensuring there are no obstructions nearby, particularly while you become accustomed to riding a tricycle.

S STANDARD TRICYCLE

If you are riding an standard tricycle without electric pedal assistance, please proceed with the mounting guidelines provided below.

E ELECTRIC TRICYCLE

If you are riding an electric tricycle with pedal assistance, switch the battery key to the 'ON' position, and then proceed with the instructions.

Mounting instructions

When mounting your tricycle, first stand next to it and hold onto the handlebars while squeezing the brakes. Use the parking brakes to prevent the tricycle from moving as you get on and off safely. Then, position yourself by holding onto the handlebar with one hand and the seat with the other. Place one leg over the tricycle frame until you are standing evenly over the tricycle with each foot on the ground. Avoid swinging your leg over the rear basket area, as it is unsafe and could cause you to lose balance.

Next, hold onto the handlebars in the normal riding position and position your strongest foot onto the pedal when it is in the lowest position. You can position the pedal in the lowest position by rotating it backward. Stand on the pedal to lift yourself up and position yourself correctly onto the seat. If you can get onto the seat without standing on the pedal, then the seat is set too low for you. If the seat has been set correctly for your height, you should only be able to touch the ground with your toes. Once you are on the seat, keep both feet on the pedals at all times.

To begin riding, release the parking brakes by squeezing the brake levers to release the brakes. Start pedaling the tricycle in first gear, which is the easiest gear for riding, especially uphill. If you want to go faster, switch to gear 2 or 3 by pressing the gray button on the gear selector. Most tricycles are ridden in gears 1 to 3, and you will likely only use gears 4, 5, or 6 if you are going downhill, have a strong tailwind, or are riding an electric tricycle. For most tricycle riders, gears 1, 2, and 3 are the best for daily riding.

E ELECTRIC TRICYCLE

Electric tricycle settings

Before mounting an electric-assisted tricycle, ensure that the battery key is turned on to the 'ON' position. Once the tricycle is mounted, turn on the handlebar control unit by briefly pressing the ON button. After a quick check, the tricycle will be ready for operation in about 0.5 seconds. The top row of LED lights on the display shows the battery charge level. Four green LED lights indicate a full battery, three lights indicate 75% capacity, two lights indicate 50% capacity, and one light indicates 25% capacity and a need for recharge before the next use.

To select the level of assistance, use the mode button located in the bottom left-hand corner of the display. There are four settings, starting with the "LOW" setting, which illuminates one green light and moves the tricycle at a speed of approximately 6 kph on level ground. Pressing the mode button again highlights the "MEDIUM" setting, which provides more power and a speed of around 12 kph. Pressing the mode button once more highlights the "HIGH" setting, which provides even more power and a speed of around 18 kph. Finally, pressing the mode button again illuminates all three LED lights, providing the maximum amount of power to climb hills and on the flat will give a speed of around 25 kph, which is the maximum legal speed limit in Australia.

In all modes, the electric assistance engages only after completing about half a revolution of the pedals for safety reasons. This ensures that the tricycle won't roll away while getting on or off the tricycle if the pedals move a little. The second way to use the mode button is to provide the highest level of assistance for climbing a hill. For example, if you're riding along slowly and come to a hill, you can press the mode button until all three LED lights come on, giving you the maximum power and assistance to climb the hill. Note that the electric assistance will only operate while rotating the pedals in the normal pedaling direction. The electric assistance will disengage immediately if you stop pedaling, or if you touch either the front or rear brakes.

Trike-Bike Operator Guide

Approximate speeds using pedal assistance on level ground

PAS 1 = 6 km/h

PAS 2 = 12 km/h

PAS 3 = 18 km/h

PAS 4 = 25 km/h

Walk assist mode

By activating the Walk Assist mode on the tricycle, you can easily maneuver at very low speeds without the need to pedal. For instance, when in a crowded area or shopping center, the Walk Assist mode can be activated by pressing and holding the mode button. This will engage the electric motor and move the tricycle at a slow pace of approximately 4 kph. However, the Walk Assist mode will disengage once you release your finger from the mode button or touch any of the brakes.

Walk Assist mode can be beneficial to start the tricycle, especially when on soft grass where it's difficult to get moving. To do this, you would activate Walk Assist by pressing and holding the mode button until the tricycle starts moving, start pedaling, then release the button and pedal as normal.

Riding instructions - all models

Begin by placing both feet on the pedals at an even level, making sure your body is positioned centrally on the seat. Push down onto the pedal with your strongest leg while looking ahead for pavement conditions, obstacles, or other road users/traffic.

If you are riding in pedal assist mode, the power will engage after half to one full turn of the pedals.

You will not lose balance on a tricycle if ridden normally, so always keep both feet on the pedals at all times. If you put your feet down on the ground while you are rolling, they may get your heels run over by the back wheels.

Ride and control the tricycle up to your desired speed. It is important not to ride too fast until you are fully familiarized with the tricycle's operation, performance, stopping distance, and handling characteristics.

Slowly squeeze the brakes to get a feel for how they work and their strength. The brakes on your tricycle are high-performance, cable-operated disk brakes, and they will reduce your speed quickly. Approximately 70% of the braking power will come from the front wheel, so use both the front and rear brakes together for the best stopping performance.

The brake lever on the left-hand handlebar operates the brake on the rear wheel, while the brake lever on the right-hand handlebar operates the front wheel brake.

Until you are completely familiar with the handling and operation of your tricycle, try to ride on level ground and at slower speeds. Once you are familiar with riding your tricycle, you can then slowly modify your riding for better performance and speed.

ELECTRIC TRICYCLE

Additional instructions for electric models

Try not to brake and hard start frequently, look ahead when riding, and judge the road conditions in advance.

Riding erratically will reduce your battery range.

If the battery level is showing 25% or lower you should recharge your battery before use otherwise you may run flat away from home.

A typical range using pedal assist on level ground, with an average rider weight, and a battery no older than 12 months will generally give you around 40 km distance. This distance is not guaranteed and will be less in hilly areas, riding at maximum weights, riding into a strong headwind etc. Please judge your riding based on your abilities.

Trike-Bike Operator Guide

Important tips

To prevent accidental acceleration and potential accidents, it is important to turn off the power at the key when manually pushing or walking the tricycle. To make it easier to walk the tricycle, many owners prefer to hold the basket, which allows for better steering control and avoids running over your heels.

Walking with the tricycle whilst holding the basket is often compared to walking a dog.

When parking the tricycle during a ride, it is recommended to find a covered area or shade to avoid returning to a hot seat. In public places, ensure that the tricycle is parked in accordance with local traffic and legal regulations.

Additionally, remember to switch off the power, remove the key to prevent battery theft, and engage the park brake to prevent movement caused by wind.

ELECTRIC TRICYCLE

Battery and charger information

NOTE: FULLY CHARGE YOUR BATTERY BEFORE THE FIRST USE OF YOUR ELECTRIC TRICYCLE.

The battery can be recharged after each use if required.

There is no memory effect with lithium batteries, so you can charge the battery after short periods of riding without concern or damage.

This battery can be charged in the tricycle, or removed from the tricycle.

Only charge this battery upright, never charge upside down/inverted.

The smart charger will automatically stop once the battery pack is fully charged and enter stand-by mode.

Always charge in dry conditions, preferably undercover and away from direct sunlight.

DANGER

Never use any other charger than the one supplied with your tricycle.

Never discharge your battery below 10%, this can permanently damage your battery.

Never leave your battery flat for any period, this will damage your battery.

If storing for longer than 30 days, fully charge the battery first. When in storage the battery must be fully charged every 60 days.

Using your charger

Switch off the power to the tricycle by turning the key to the OFF position

The battery can be charged in position, or removed from the tricycle.

Swing the charging port cover open.

Plug the charger lead into the charging port which is on the top side of the battery on the opposite side to the key position.

Plug the AC power plug into a 240-volt household power outlet to start charging.

After charging, unplug from the wall outlet first and then from the tricycle charging port.

NOTE: Always charge your battery at temperatures between 10° and 30° Celsius, and please ensure the battery, charger and cables are not damaged before charging.

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Charging duration

When the charger is connected, a RED LED indication light on the charger will be glowing, this shows that power is connected, and the battery is charging.

When the battery is charged for the first time, it could take up to 6-8 hours for a full charge.

When the GREEN LED indication light on the charger is glowing, it means that the battery is fully charged. When full, the charger will switch to stand-by mode to ensure that over-charging will not occur. A normal recharge will take between 2-6 hours.

This charger has protection for over-charging, but extended charging is not recommended.

The charger must be disconnected within 24 hours of reaching full charge otherwise it may affect the long-term battery performance.

Charger warnings

Keep the charger in a safe place, away from children.

Do not charge the battery with any other charger, even if it has the same plug because they all look the same, but are very different. The wrong charger will cause a battery fire!

The charger works with 240 Volts. Never open the charger, it's dangerous and can result in electrocution.

Avoid the charger contacting liquids or metal objects, it will damage the charger.

Always store your charger so that it cannot suffer damage from a fall or impact.

When in use, never cover the charger as this may cause, overheating, damage, or fire.

The charger is for indoor/undercover use only. Please keep it in dry and in a well-ventilated place.

If you notice a strange smell from the charger, or the charger is too hot, please stop charging and contact Trike Bike or your Trike Bike Dealer.

The charger must be disconnected within 24 hours of reaching full charge.

The swing cap on the charging port must be closed while your Trike Bike electric tricycle is being ridden to prevent the entry of foreign debris, water, mud etc.

Safety Information

This user manual is only used for reference purposes and cannot be used as an inspection reference.

The images shown in this manual may differ from your actual model.

Due to technical improvements, we reserve the right to change the specifications without notice.

The electric tricycle has a maximum speed limit. For safety reasons, it is strictly forbidden to adjust, or try to reprogram, the electric tricycle.

Make sure to perform a safety check before each ride, brakes etc.

Only people who have read and understood these operating instructions for this tricycle are allowed to ride.

Like riding a bicycle, riding an electric tricycle also has the risk of injury and damage. If you choose to use an electric tricycle, you will have to bear such risks, so you need to understand the rules of safe riding and maintenance. Proper use and maintenance of your electric tricycle can reduce the risk of injury.

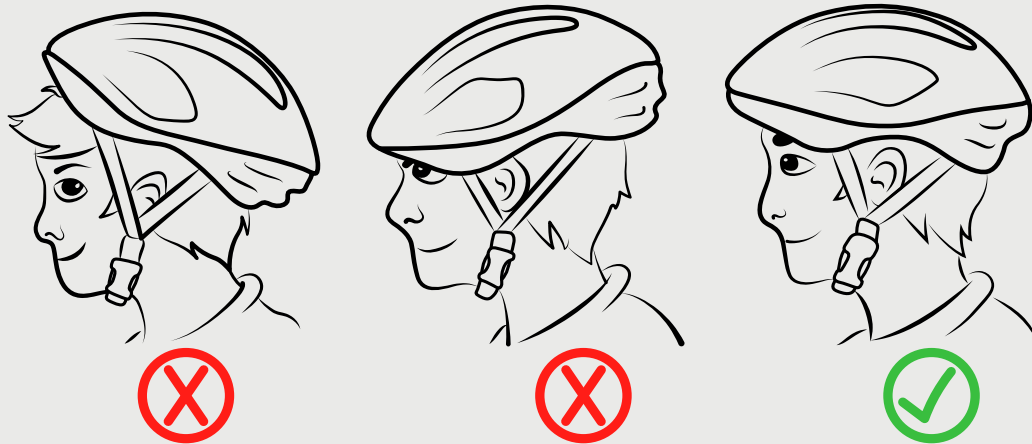
The electric tricycle is designed for people 16 years of age or older. Riders should have good physical coordination, reaction, and mental abilities, and be able to cope with road conditions and emergencies if they arise. You must also comply with age restrictions on cycling laws in your state or territory.

Trike-Bike Operator Guide

If you have visual impairment, hearing impairment, physical impairment, cognitive/ language impairment, epileptic seizures, or other impairments or disabilities that could affect your ability to ride safely then please consult your doctor and/or health specialist(s) before riding a tricycle.

Note on wearing protective gear

Always ensure the rider is wearing proper protective equipment, such as an approved safety helmet. A helmet is required by local laws and regulations nation-wide in Australia. Always wear shoes and keep shoelaces tied and out of the way of the wheels, sprockets and chain. Never ride barefooted or in sandals.



If you are headed off-road then knee pads and elbow pads are highly recommended.

An Important Message to Parents

This manual contains important information. For your child's safety, it is your responsibility to review this information with your child and make sure that your child understands all warnings, cautions, instructions, and safety topics.

All children should always ride with adult guidance. Trike Bike recommends that you periodically review and reinforce the information in this manual with younger riders.

You are required to inspect and maintain your child's electric tricycle to ensure their ongoing safety.

Electric tricycles, because of their higher speeds are intended for riders older than 16 years.

Additional warnings

Do not ride any tricycle if you suffer from reduced physical, sensorial, or mental issues.

Riders with a lack of experience or knowledge should ride carefully.

Children should not play with the electric tricycle, nor should cleaning or maintenance be attempted by children. The use of any tricycle can result in stress and fatigue by passing riding vibrations throughout the rider's body, if this causes distress or discomfort then immediately stop riding.

The Trike Bike tricycle is a leisure device. However, when entering any public area, it may be considered a vehicle subject to possible traffic laws and regulations. For your own safety, please follow the instructions in the manual as well as local traffic laws and regulations.

At the same time, you should understand that operating risks cannot be entirely avoided as others may violate traffic regulations and drive erratically. You may be exposed to road accidents just as when you're walking or biking. The higher your speed, the longer the stopping distance. On a smooth surface, a tricycle may slip, lose balance, and may result in a fall. Be cautious when riding, don't speed, and keep a safe distance from other road users, especially when riding in unfamiliar areas.

Trike-Bike Operator Guide

Ensure handlebar grips are not damaged and installed properly. Loose or damaged grips can cause you to lose control and fall.

Do not use the electric tricycle with standard bicycle trailers, stands, or vehicle bicycle racks. Please contact Trike Bike to check if your equipment will work with the electric tricycle before use.

Off-road riding requires special attention and specific skills. Variable conditions and hazards accompany off-road riding and extra care must be taken. Wear appropriate safety gear and do not ride alone in remote areas.

Take extra care while riding in wet conditions. Feet or hands can slip in wet conditions and lead to death or serious injury from a fall.

Riding in wet conditions is not recommended at speeds above 15 km/h.

Don't remove front or rear reflectors, or the orange reflectors on the wheels, they are required by law.

Engaging in extreme riding is dangerous and should be avoided. Although many articles/ advertisements and catalogues depict riders in extreme terrain, this is not recommended or permitted, and you can be seriously injured or killed if you perform extreme riding.

Trike Bike tricycles do have strength and integrity limitations. Extreme riding should not be performed, otherwise you can be seriously injured. Failure to comply with these instructions or engage in improper operation, or not providing correct maintenance of your electric tricycle or accessories can result in serious injury or death.

After any incident you must consider your tricycle unsafe to ride until you consult with a tricycle service provider for a complete safety inspection.

You should check the operation of the brake inhibitor switches before each ride.

The brake system is equipped with an inhibitor which disconnects power to the electric motor whenever the brakes are engaged. Check proper operation slowly while in a controlled environment by riding slowly with the electric motor running and applying the brake levers, the electric motor should immediately stop.

Riders must understand the operation of the electric assistance before use and take care with their riding, respecting speeds appropriate for the area they are riding in, and importantly, their user experience level. Most accidents could be prevented by riding slower.

Any changes to the electric tricycle not expressly approved by Trike Bike will void warranty and could adversely affect your safety while riding.

Because electric tricycles are heavier and faster than normal tricycles, they require extra caution and care while riding.

To avoid damage, never submerge the electrical components in water or subject your electric tricycle to saltwater environments.

Trike-Bike Operator Guide

Notes

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Trike Bike YouTube Channel

For additional information on the assembly and setup of your Trike Bike, we encourage you to visit our YouTube channel. Our channel features a range of helpful videos that can guide you through the assembly process and provide you with useful tips for maintaining, and riding your Trike Bike.

To access our YouTube channel, simply search for "Trike Bike Australia" on YouTube or visit our website and click on the "YouTube" icon located on the bottom-right corner of any page.

We recommend watching the assembly videos in conjunction with reading this product manual to ensure you have a thorough understanding of the assembly and setup process.

If you have any questions or concerns, please do not hesitate to contact us at bigm@trike-bike.com.au

Thank you for choosing Trike Bike Australia. We hope you enjoy your Trike Bike!

<https://www.youtube.com/TrikeBikeAustralia>



Find us on Facebook, talk to other owners and stay updated on everything Trike Bike.

<https://www.facebook.com/TrikeBike>

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