

Sobowo 2050 & 2450 Series Trike Bike Assembly Manual

Thank you for your purchase of a Sobowo 2050 or 2450 series 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.



Warning

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

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.

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 instructions for the assembly of the Sobowo 2050 & 2450 series Trike Bike. This manual should also be used in conjunction with the video instructions available from our YouTube channel.

www.youtube.com/TrikeBikeAustralia

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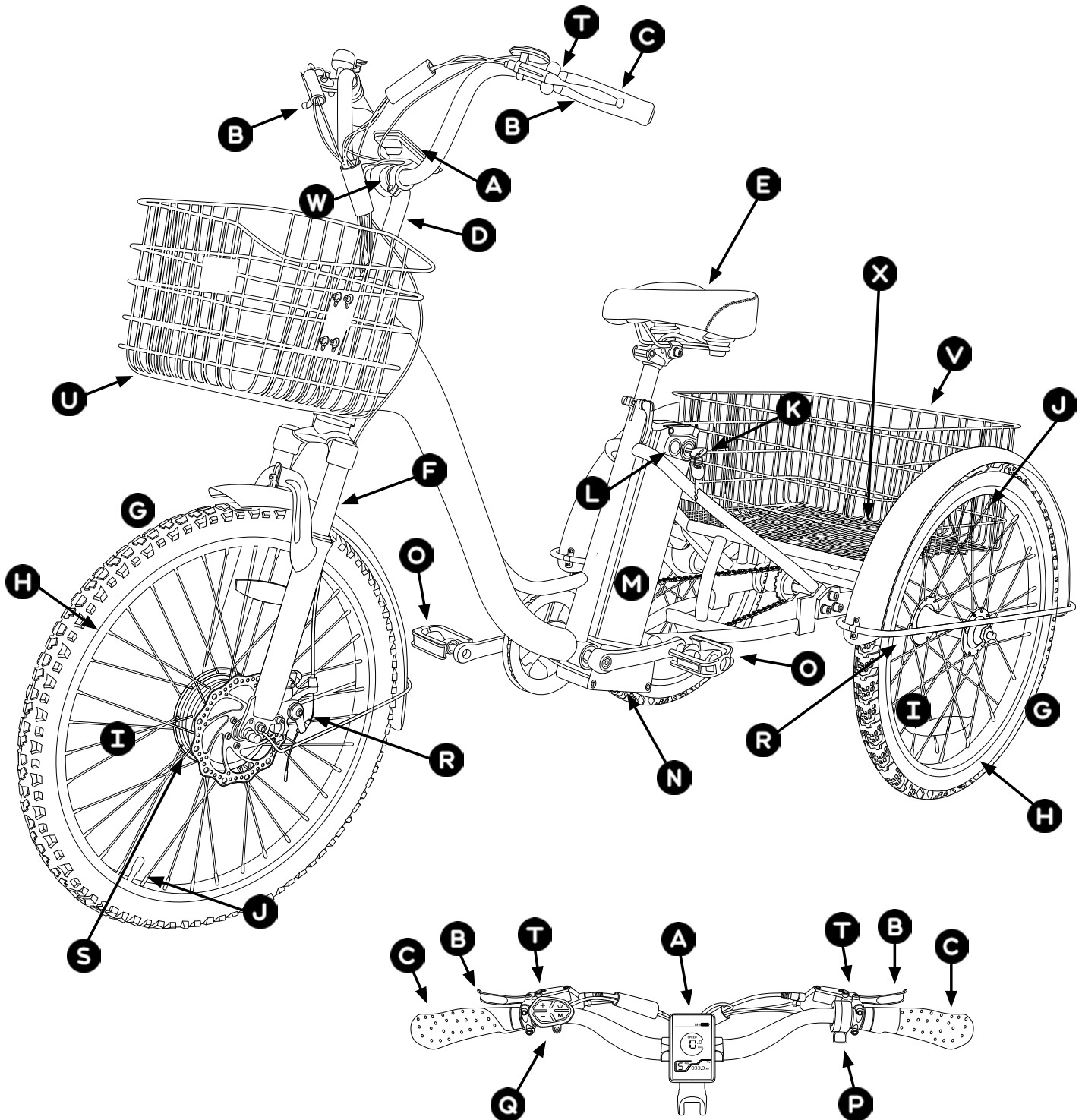
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THE MAXIMUM TRICYCLE SPEED IS HARD LIMITED TO 25 KPH MAXIMUM CONTINUOUS RATED POWER

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 the Sobowo 2050 or 2450 series Trike Bike.

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Parts description



- | | | | |
|---------------------------|------------------------|--------------------------|--------------------------|
| A LCD Display | G Tyre | M Battery | S Front hub motor |
| B Brake lever | H Rim | N Controller | T Parking brake |
| C Hand grip | I Spokes | O Foot pedals | U Front basket |
| D Handlebar stem | J Valve | P Thumb throttle | V Rear basket |
| E Seat | K Key | Q Display buttons | W Headlight |
| F Suspension forks | L Charging port | R Disk brake | X Tail-light |

Sobowo 2050 & 2450 Trike Bike Assembly Manual

Introduction

Congratulations on your recent purchase of the Sobowo 2050 or 2450 series Trike Bike tricycle! We, at Trike Bike Australia, have been proudly importing top-quality tricycles since 2007, and we are absolutely delighted to assist you in the assembly process of your new tricycle. This manual has all the assembly instructions you need to ensure your tricycle is safe and ready for years of enjoyable rides.

For more detailed guidance, along with helpful photographs and videos, please visit our website. Our video gallery is an invaluable resource, and we highly recommend exploring the various assembly videos as they provide valuable assistance.

If you have any questions or concerns during the assembly, don't hesitate to reach out to Trike Bike. You can contact us via phone at (07) 5522 0583 and ask for workshop assistance, or simply drop us an email at bigm@trike-bike.com.au. We're here to help and ensure you have a fantastic experience with your new Sobowo Trike Bike.

Tools required

A tool kit is included with every Sobowo 2050 or 2450 series Trike Bike tricycle. The tool kit contains the basic tools needed for assembly.

Unpacking

Your Sobowo 2050 or 2450 series Trike Bike will arrive in two separate boxes. The first box, (Box 1 of 2), will contain the main frame and other essential components. The second box, (Box 2 of 2), will house the complete rear axle assembly with pre-installed wheels, along with the front and rear baskets, and any additional accessories you purchased, such as a comfort seat, helmet, or chain lock.

When opening the boxes, it's crucial to handle them with care and use a sharp knife to do so. However, be cautious to avoid cutting or scratching any of the bike parts, and keep in mind that the cardboard might have sharp staples that could cause injury. After opening the boxes, gently take out the parts and place them on the ground. To create a safe workspace and prevent any harm during assembly, you can use your knife to carefully cut open the sides of the box, making it flat. To begin the assembly process, take some time to identify and familiarise yourself with the individual parts. Having a good understanding of the components will make the assembly smoother and more efficient.

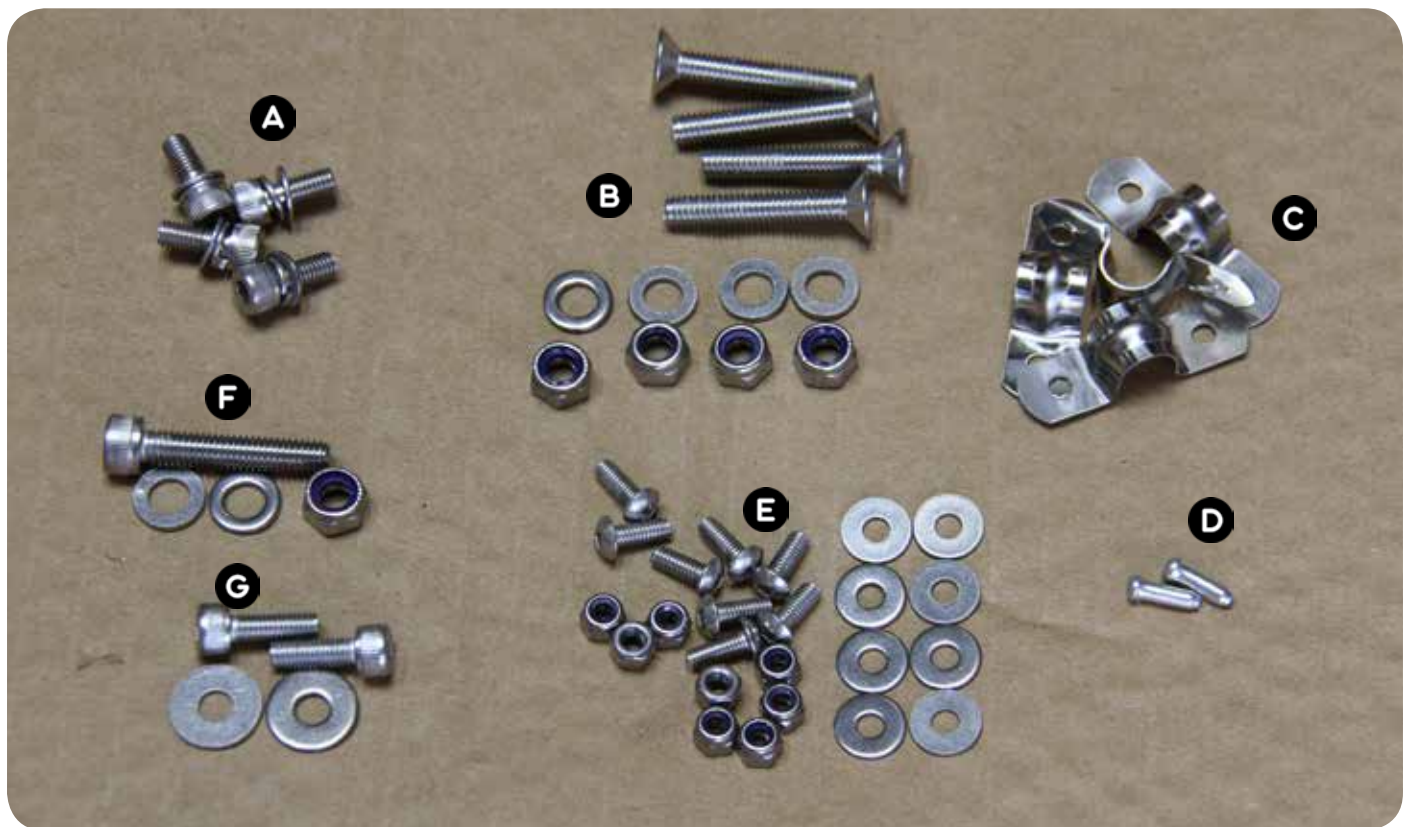
Hardware Identification

You will find all the hardware required for the assembly of the tricycle in a small cardboard box labeled as "Tool Kit" or individually wrapped. The tool kit box comprises a battery charger, assembly tools, this assembly manual, pedals, an assortment of nuts and bolts required for assembly, mudguard brackets, headlight and cable ties.

In addition, the front and rear baskets, front and rear mudguards, and front wheel are included separately and wrapped for protection.



Hardware nuts and bolts



- A** Qty 4 x M5 bolts, used to hold the mudguard frames to the rear axle assembly
- B** Qty 4 x M6 bolts, Qty 4 x M6 washers, and Qty 4 x M6 nyloc nuts for holding the rear basket to the rear axle assembly
- C** Qty 4 x Saddles for attaching the rear mudguards to the rear mudguard frames
- D** Qty 2 x Cable end nipples, used to cover the end of the brake cables after assembly and cutting
- E** Qty 8 x M5 bolts, Qty 8 x M5 washers and Qty 8 x M5 nyloc nuts, used to mount the rear mudguard to the rear mudguard frames (used with the saddles, Item C)
- F** Qty 1 x M6 bolt, Qty 2 x M6 washers and Qty 1 x M6 nyloc nut, used to secure the top of the front mudguard bracket to the forks
- G** Qty 2 x M5 bolt and Qty 2 x M5 large washer used to fit the front mudguard supports to the bottom of the forks

Assembly preparation

To begin, open Box 2 of 2 and remove the baskets, remove the rear frame assembly with the wheels attached and, remove front wheel and mudguards for later fitting. Remove the wrapping material covering the rear axle assembly and position the rear assembly on a workbench or other stand where it can be secured to stop the rear axle assembly from rolling away.

Open Box 1 of 2 and remove the main frame, then remove the wrapping material from the rear of the mainframe. The remaining bubble wrap on the frame can remain in place to safeguard against any damage while assembling. Ensure the complete exposure of the rear of the tricycle frame and the main bolt holes, 3 on each side which connect into the rear frame assembly.



Rear assembly bolts

Find the plastic bag with the chain, inside this plastic bag are 6 sets of M10 bolts with 2 washers and nyloc nut.

Prepare these for assembly by removing the nyloc nut and one washer.



Connect the main frame to the rear axle assembly

To assemble the main frame and rear axle assembly, place the rear axle assembly on a stable surface, such as a workbench or other stand as mentioned above, to hold it firmly in place and prevent it from rolling away. It's recommended to have a second person assist with this step to make it easier. Align the main frame with the rear axle assembly, taking care not to scratch the paint. The main frame will fit inside the rear axle assembly brackets.

Once aligned, insert the 3 bolts on one side and then insert 3 bolts in the other side, inserting 6 bolts in total. Add a washer and a nyloc nut to each bolt, and then tighten by hand only.

Leave these 6 bolts loose until after the chain is fitted because we need to move the frame forwards or backwards from the rear axle assembly as part of the chain adjustment.

WARNING

The recommended torque setting for these 6 bolts/nuts is 25-35 Nm.

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Remove the battery

Locate the battery key, which is typically secured to the front handlebars by a cable tie. Release the key by cutting the cable tie and insert it into the battery lock, ensuring that it is positioned correctly. Push the key inward and turn it to the left (anti-clockwise) at the same time to unlock the battery. Once unlocked, take the battery out of the frame. To remove the battery, raise the handle located on the top of the battery and pull it upwards in the same direction as the battery rail to release it. This will enable the battery to slide up the rear frame and detach from the tricycle.

This is a convenient time to charge the battery for first use while continuing with the rest of the assembly, the first charge should take between 2 to 4 hours.



Fit the handlebars

To prepare for assembly, remove the cable ties that hold the handlebars to the frame and forks during shipping. Unwrap any plastic wrapping and raise the handlebars to a position above the front forks. Check that the cables are properly routed and not tangled or twisted under any stress. After confirming the alignment, position the handlebar stem on top of the front fork opening and insert to the mark on the stem. Use an M6 Allen key to secure by tightening the bolt inside the top of the stem. However, at this point, only partially tighten the bolt since it will be fully secured and adjusted later in the assembly process.



Connect the chain

Lay the chain on a clean surface and locate the two components that make up the chain link, these are used to connect the ends of the chain.

Pass the chain through the frame, looping it around the rear axle. Avoid putting it on the rear sprocket for now. Instead, loop it around the rear axle, bring it forward around the front sprocket, and attach the chain ends with the link. The assembly video contains detailed instructions on how to accomplish this task.

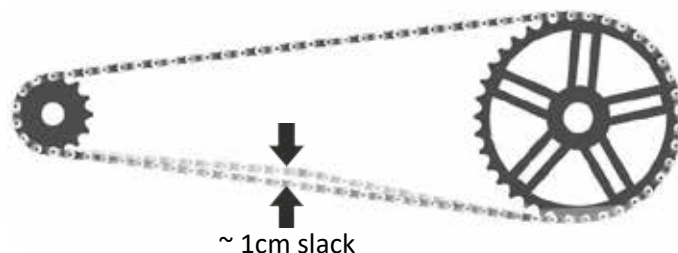


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After joining the chain, mount it on the rear sprocket by carefully threading the chain onto the sprocket by turning the pedal crank arms. When the chain is secure on both sprockets, you will notice that there is excessive slack in the chain system. If ridden like this, the chain will keep falling off.

WARNING

The following step is best performed with two people; push the front frame away from the rear axle assembly to eliminate excessive slack in the chain. Once the chain is in the proper position, we recommend tightening one bolt on each side of the frame first to keep the frame and rear axle assembly square. Then tighten all six bolts on the rear axle assembly to their final torque value of 25-35 Nm. After completing the final alignment, the chain should have approximately 1 cm of vertical movement, if the chain is too tight it will damage the chain and sprockets, if the chain is too loose it will fall off when riding.



Fitting the front wheel

When attaching the front wheel to a tricycle, it is recommended to have two people. One person should lift the front forks, while the other person inserts the wheel into the fork assembly. The front wheel can only be inserted correctly in one position, with the disk brake on the left-hand side of the tricycle (when seated). Furthermore, the right-hand side of the wheel should have a cable extending from the bottom of the hub assembly.

Begin by removing the nut and washers from each side of the front axle, leaving a thick washer with a tab on the bottom in place. This washer is designed to fit into the fork cutout to ensure proper seating and assist in preventing the front axle from rotating under heavy loads.

With the assistance of someone lifting the forks, position the front wheel between the forks and gradually lower the forks until they make contact with the front wheel axle. Ensure that the washer with the tab remains pointing downwards and that the cable is emerging from the bottom of the right side wheel hub. You may need to move the wheel slightly back and forth to align the disk with the brake caliper. Once positioned properly, push the forks down until the axle is in the top of the fork cutout.

WARNING

On each side of the axle, insert the special washer **①** that was previously removed, making sure the tab is mounted into the hole in the front fork, then add the washer **②** and finally the wheel nut **③**

The recommended torque setting for the wheel nuts is 20-25 Nm, tighten each side a little bit at a time to avoid the wheel leaning sideways. Finally, connect the cable from the front wheel into the main harness. Please watch the assembly video for more information.



Fitting the pedals

First, remove the pedals from the plastic wrapping and look for the “L” and “R” stickers.

One of the pedals will have the letter “L” sticker indicating that it should be fitted on the left-hand side of the tricycle (when seated on the tricycle). The other pedal will have the letter “R” sticker indicating that it should be fitted on the right-hand side of the tricycle.

WARNING

When installing the pedals onto the pedal crank arms, it's crucial to know that the left pedal has a left-hand thread. Therefore, you should insert the left pedal into the left crank arm and rotate the pedal counterclockwise to secure it into the correct position.

On the other hand, the pedal on the right-hand side has a regular right-hand thread, so you should insert the pedal into the crank arm and rotate the pedal clockwise to secure it into the correct position.

WARNING

The recommended torque value for tightening both pedals is between 20-25 Nm.



Fitting the seat

The seat is already securely attached to the seatpost, the seatpost needs to be inserted into the main tricycle frame and the clamp adjusted for the appropriate level of friction. You may also need to adjust the seat angle to suit your desired seating angle, always start with the seat level, then tighten the M14 nuts holding the seat to the seat post.

We recommend using a clean paper towel and some methylated spirits to wipe the seatpost and remove any contamination or oil. This will ensure that the seatpost has a good grip when it is inserted and prevent it from slipping.

Insert the seatpost to the desired height and tighten the clamp. Then, use the lever to push the seat into the closed position to secure the seat in place. Finally, The seat post height can be adjusted vertically as needed for different riders.

WARNING

The recommended torque setting for the seat post clamp is 18-20 Nm.



Fitting the front basket

To attach the front basket to the tricycle, you must first remove the four M5 bolts that secure the basket to the frame. Once removed, position the front basket to the frame and re-install the bolts. However, it is suggested to leave them only finger-tight for now.

To ensure that the front basket is mounted evenly, it must be level with the ground. An unevenly mounted basket can significantly affect the appearance of the tricycle. Leaving the bolts finger-tight will allow you to use a spirit level to ensure that the basket is horizontal before tightening the bolts into place.

If a spirit level is not available, you can stand back 4 to 5 meters from the front of the tricycle and align the basket 'by eye' before tightening it. If the basket is mounted on an angle, it will look unsightly and detract from the overall aesthetic of the tricycle.

WARNING

The recommended torque setting for these bolts is between 4-5 Nm.



Fitting the front light

To attach the front light, remove the bolt in the base and fit the bracket onto the handlebars, tighten and align. Connect the cable to the corresponding plug in the main harness assembly, matching the colours of the plugs.



Fitting the front mudguard

The front mudguard is attached to the tricycle in 3 locations. The first bolt location is on the crossover between the forks, the other 2 locations are on the bottom of the front forks.

Start by unwrapping the front mudguard and identifying the mounting locations.

Using an M6 bolt, 2 washers and nyloc nut secure the front mudguard to the front fork crossover and tighten. There is vertical movement in the mudguard bracket and we normally position the mudguard centrally within the bracket. If there is not enough clearance to get the mudguard underneath the fork crossover and into the correct position it is easiest to let any remaining air in the front tyre down momentarily for fitting. Now, proceed to attach the 2 mudguard brackets to the bottom of the front forks as shown in the photograph.

Detailed information is available in our assembly video.



Attaching the rear brakes

The rear brake calipers are already attached to the rear axle assembly but they need to be positioned correctly and then have the brake cables attached.

Start by finding both the rear brake cables. The short cable is used on the left-hand side brake and the long cable is used on the right-hand side brake.

Aligning and adjusting the rear brakes is a technical operation and the instructions in this manual may not be sufficient. We cover all of the fitting and alignment in detail in our assembly video.

To begin wind the cable adjustment fittings on the brake caliper 3 turns anticlockwise, with the cables in the best position avoiding sharp turns feed the cable through the brake caliper adjusting screw and then position the cable through the cable clamp, leaving the fitting loose for now. Make sure the brake cable is fitted correctly into the left-hand handlebar lever and also check that the brake cable is fitted correctly in the caliper fitting.

Align the caliper centrally to the disk and very carefully holding it in position tighten the 2 screws which allow the caliper to move sideways. Tighten each screw a little bit at a time to keep the caliper position correct. If you tighten one end completely and then the other end the caliper will twist sideways.

With the caliper secure and the brake cable sitting in the correct position, pull the brake cable end firmly with a pair of pliers to eliminate any free play whilst at the same time positioning the caliper lever into the closed position and tighten the bracket on the cable. Repeat for the other side. The brakes will probably be scraping when the wheels are turned, you then adjust the caliper adjusting screw clockwise to eliminate the rubbing and then do any fine tuning adjustments so that the brakes work equally on each wheel when the brake lever is applied.

WARNING

The recommended torque setting for these bolts is between 15-18 Nm.



Connecting the rear tail light

The taillight is already installed onto the rear axle assembly underneath the basket and the power cable has been secured to the rear axle assembly by the factory.

The only task is to connect this power cable to the matching electrical cable, which is located on the bottom frame tube on the left-hand side.

To accomplish this connection, carefully rotate and align the keyway position before pushing the plugs together and fasten the cables in place with cable ties to the tricycle frame.



Fitting the rear mudguards

The rear mud guards are fitted to a mudguard bracket which is then mounted on each side of the rear frame. The best assembly process is to fit the rear mudguard to the mudguard frame and then attach the mudguard frame to the rear of the tricycle. There are several steps involved to attach the mudguards correctly and also ensure the correct fit.

Firstly, locate and identify the mounting brackets as shown in the photograph. The brackets go around the mudguard frame and M4 bolts go through one side and are connected with a washer and then M4 nut on the rear. Make sure the mudguard is positioned centrally in the mudguard frame as you tighten.

The mudguard frame is then attached to the brackets on each side of the tricycle rear frame assembly. You can move the mounting position forwards and backwards to achieve the best fit. Very occasionally when the tyres are inflated they can actually rub against the bolts protruding into the inside mudguard area and in some rare occasions the end of these bolts needs to be ground down so they are shortened. Later models will not be affected by these bolts being too long.

NOTE: please watch the video for detailed mounting instructions.

The recommended torque setting for these bolts is between 4-5 Nm.

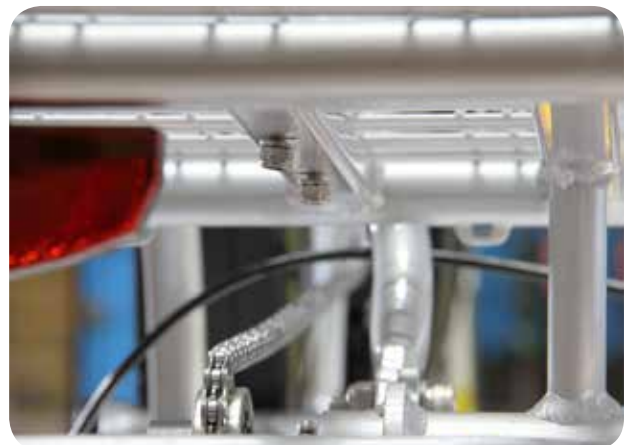


Fitting the rear basket

To attach the rear basket to the tricycle, use the four M6 x 60 bolts to secure the basket to the rear frame. Carefully align the basket over the rear frame by visually looking through the holes in both the basket and the frame. Once properly positioned, fit all four bolts and tighten them securely.

WARNING

The recommended torque setting for these bolts is between 8-10 Nm.



Tire pressure

Verify that the tire pressure on all wheels is approximately 35 psi (2.4 bar).

Through our riding experience, we have found that 35 psi is the optimal tire pressure for general riding in various conditions. However, if you plan on riding on rough terrain or the beach, it is recommended to lower the tire pressure to around 20 psi (1.4 bar).

It's important to note that reducing tire pressure will affect the tricycle's handling and speed, and will result in a decrease in range when using electric assistance.



Securing the handlebars

To finish aligning the handlebars, there are 2 tasks that must be completed. These tasks involve securing the handlebars correctly, we intentionally leave until the end. This approach enables you to sit on the tricycle and customize the handlebar adjustments to your riding preferences.

Task 1

Tighten the primary bolt in the head-stem after aligning the handle bars at 90° to the front wheel. This bolt must be tightened correctly because it is the primary bolt which attaches the handlebars to the front fork assembly and allows you to steer the tricycle. Use a M6 Allen key.



The recommended torque setting for these bolts is between 18-20 Nm.



Task 2

Tighten the secondary bolt in the head-stem. Sit on the tricycle and move the handlebars forwards and backwards to the desired riding position, don't over force the handlebars, if they won't move easily then loosen the secondary bolt in the head stem. When the handlebars are in the final position tighten the bolt fully, this is the main bolt that secures the handlebar position to stop the handlebars moving backwards and forwards unintentionally when riding.

Use a M6 Allen key.



The recommended torque setting for these bolts is between 18-20 Nm.



Serial number

Each Sobowo 2050 and 2450 tricycle possesses a unique serial number, which is permanently engraved into the frame, as evident in the accompanying photograph.

It's of utmost importance to store this number securely, as it serves as your permanent record of the frame serial number, we don't record serial numbers ourselves.

In the unfortunate event of the tricycle being stolen, this serial number will prove indispensable in tracking and confirming your ownership of the tricycle.



Trike-Bike Operators Guide

Operators Guide - Important information

Please carefully read and become familiar with the operator's 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.

The manual includes warnings and dangers related to the safe operation and potential consequences of riding a tricycle. All information in the operator's 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 the Sobowo 2050 or 2450 series Trike Bike under all conditions. The use of this tricycle carries inherent risks that may be unpredictable or unavoidable, and it is the sole responsibility of the owner or rider to assume those risks.

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 ensure your safety and avoid accidents, do not ride on the roadway where there is vehicular traffic where possible.

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 cause impairment.

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

The baskets are really strong but not indestructible, 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 hold 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 and rear lights, brake system, and brake lever power cut-off system.
- Check parking brakes are in the OFF position and released.
- Check tire pressure is 35 psi (2.4 bar), low pressure will influence handling, speed and 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.
- 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 correct position for your height.
- Make sure any loads you are carrying are secure and not overweight or overhanging.
- If you are transporting dogs or other pets make sure they 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 Operators 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.

If you intend to ride without electric pedal assistance, please proceed with the mounting guidelines provided below.

If you plan to use the tricycle with electric assistance, switch the battery key to the 'ON' position, and then proceed with the instructions.

Mounting and riding instructions

Position the tricycle on level ground clear of any obstacles, especially until you get used to riding your Sobowo 2050 or 2450 series tricycle.

While standing alongside the tricycle, hold the brakes and engage the parking brake especially while learning to ride.

Next, position yourself holding onto the handlebar and seat, placing a leg through the tricycle frame until standing evenly over the frame with one foot on each side.

Avoid swinging your leg over the back basket area for safety reasons.

While standing with one leg either side of the tricycle, hold onto the handlebars and use your strongest leg to place your foot onto the pedal when it's at the lowest position. Stand on the pedal to lift yourself up and position your body onto the seat correctly. If you can get onto the seat without standing on the pedal, the seat is too low for you.

From this point, keep both feet on the pedals at all times. Once comfortably seated, release the parking brake by squeezing the brake lever which will release the parking brake.

Next, decide if you are going to ride the tricycle with, or without electric assistance.

If you are going to be riding without electrical assistance then you can check the path is clear and pedal away.

If you are going to ride the tricycle with electric assistance, then the key on the battery was already turned to the 'ON' position previously, and then turn the Sobowo 2050 or 2450 series tricycle on, by pressing the ON button on the handlebar controller for about 0.5 seconds.

The colour LCD display will light up after 0.5 seconds of self-checks.

Select the desired starting speed. The speed settings are 1 to 5. 1, is the slowest setting with 5 being the fastest.

For reference, these settings are approximately equal to...

PAS Setting 1 = 6 km/h

PAS Setting 2 = 12 km/h

PAS Setting 3 = 16 km/h

PAS Setting 4 = 20 km/h

PAS Setting 5 = 25 km/h

Decide if you want to operate as pedal assist or with twist throttle (if fitted).

Pedal assist mode, start to pedal and electric assistance will engage after half-to-one turn of the pedals.

Throttle mode, make sure the brakes are released and press the thumb throttle for the desired speed level, the throttle speed level will match your selected pedal assist settings, example... PAS Setting 1 then the maximum speed with throttle is approximately 6 km/h* subject to programming.

With both feet on the pedals at even level, push off with your strongest leg, looking ahead for pavement conditions/obstacles and for other road users or traffic.

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

In throttle mode, press the throttle slightly using your right thumb to introduce electric assistance.

Trike-Bike Operators Guide

You will not lose your balance on the electric tricycle so always keep both feet on the pedals at all times.

Ride and control the tricycle up to your desired speed. Don't ride too fast until you are fully familiarised with the Sobowo 2050 - 2450 electric tricycle, its performance, stopping distance and handling characteristics.

Slowly squeeze the brakes to get the feel of how they work and their strength. The brakes on your Sobowo electric tricycle are high-performance disk brakes, and they will reduce your speed very quickly. About 70% of the braking power will come from the front wheel, but use front and rear brakes together for the best stopping performance.

The brake lever on the left-hand handlebar operates the brakes on both rear wheels, and they will brake/stop together. The brake lever on the right-hand handlebar operates the front wheel. Using either brake lever will activate the stop light on the rear of the tricycle as long as the electrics are turned on.

Try not to brake hard and start hard under electric power, look ahead when riding, judge the road conditions in advance. Starting and accelerating slowly will give the maximum battery range.

Important tips

When pushing/walking the tricycle manually, please turn off the power at the key to avoid accidental acceleration and accidents. Many owners find it easier to hold the basket when they are walking their tricycle, this gets you a long way from the rear wheels so you won't run over your feet, and you can steer the tricycle easily by simply moving the basket left or right when you are walking. Many people describe it as similar to, walking the dog.

It is recommended when out riding to park your tricycle undercover, indoors if possible, or outdoors under cover in the shade. There is nothing worse than returning to your tricycle and trying to ride with a really hot seat!

In a public place, the tricycle must be parked in accordance with local traffic/legal regulations.

Don't forget to switch off and remove the key (to stop the battery from being stolen) and also engage the parking brake/s to stop the tricycle moving if blown by the wind.

It's important to keep in mind that tricycles have a natural tendency to steer downhill. This means that when riding on a road with a camber or slope, the tricycle will tend to move towards the lowest point such as the gutter. While experienced riders can instinctively counter steer, beginners may find this unsettling. To overcome this nervousness, we suggest that riders focus on looking ahead rather than directly in front of the tricycle. This will help riders quickly adjust to the handling of the tricycle, and become more comfortable with its tendencies.

Safety information

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

The images shown in this manual may differ from the 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, and illegal, to adjust, or try to reprogram the electric tricycle.

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

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

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

Proper use and regular maintenance of your electric tricycle can reduce the risk of injury.

This 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.

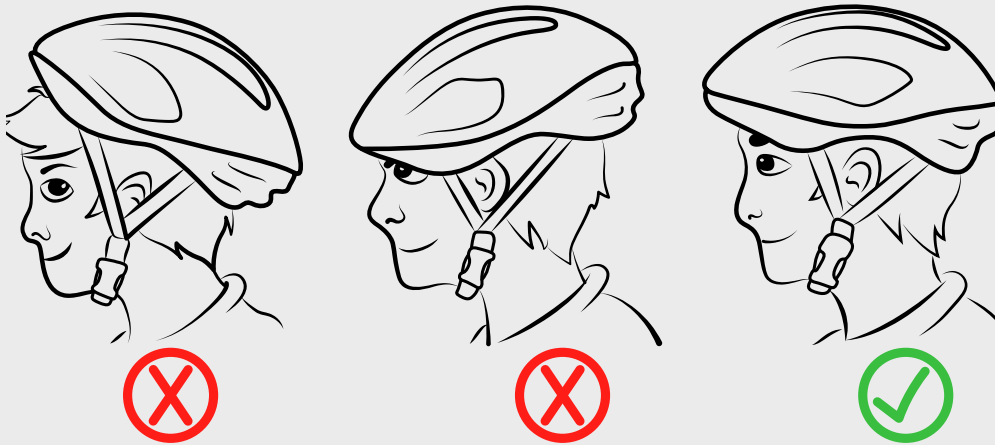
If you have visual impairment, hearing impairment, physical impairment, cognitive/ language impairment, epileptic seizures, or other impairments or disabilities that could affect your ability to ride safely then please consult your doctor and/or health specialist(s) before riding.

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Note on wearing protective gear

Always ensure the rider is wearing proper protective equipment, such as an Australian Standards approved safety helmet. A helmet is required by local laws and regulations nation-wide in Australia.

Always make sure your helmet is positioned correctly.



Always wear closed shoes, and keep shoelaces tied and away from the sprockets and chain. Never ride barefooted or in sandals/thongs.

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 16 years and older.

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 this tricycle can result in stress and fatigue by passing riding vibrations throughout the rider's body, if this causes you distress or discomfort then immediately stop riding.

This tricycle is a leisure device. However, when entering some public areas, it may be considered a vehicle and 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 some surfaces, the electric tricycle may slip, lose balance, and even 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.

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

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Do not use this 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 lights/reflectors, or the orange reflectors on the wheels and pedals, 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.

All 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 cut-out switches before each ride.

The brake system is equipped with brake cut-out switches in the brake levers that disconnect 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.

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Notes

This image shows a full page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook or legal stationery. There are no margins, text, or other markings present.



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>



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