



MANUAL LEKKER BIKES

LEKKER X



CONTACT

WARNING: In the interests of safety it is recommended that you have this bicycle assembled by a skilled bicycle mechanic.

AUSTRALIA - NZ - SINGAPORE

phone: 1300 053 525

email: info.au@lekkerbikes.com

EUROPE & USA

phone: 0031 8187 8491

email: info.eu@lekkerbikes.com

TABLE OF CONTENTS

WELCOME TO LEKKER	3
CHAPTER 1 Getting started	5
CHAPTER 2 Handlebar fitment and adjustment	6
IMAGES Chapter 1 & 2	7
CHAPTER 3 Assembly of the pedals	10
CHAPTER 4 Adjusting gears and final checks	11
IMAGES Chapter 4	13
CHAPTER 5 Turning on your Lekker X and charging	15
CHAPTER 6 Battery care and general tips for use	17
IMAGES Chapter 6	20

WELCOME TO LEKKER

Dear Lekker Customer, first of all we would like to congratulate you with your brand new bicycle! It's already a great day. But before you ride out we want to make sure your bike is in tip-top condition, and you are aware how to keep it like that. Very important, to ensure endless smiles each single ride.

In this manual we have compiled for you lots of tips on how to use your Lekker Bicycle, instructions for maintenance and care, plus obviously a walk through how to execute the final assembly of your ride. We advise to read this manual thoroughly. You will find it worth your while; even if you have cycled all your life and feel like a veteran with your new ride.



WELCOME TO LEKKER

For your enjoyment and safety please complete the first part of this manual, to ensure all is clear about general bicycle safety.

Chapter 2 shows you the correct tightening force in anticipation of the final assembly of your bicycle. Chapter 3 takes you on a journey how proceed with the final assembly of your bicycle. At last, Chapter 4 gives you a better idea how to service and maintain your bicycle.

Your Lekker Team



Note: We have to stress that this manual won't teach you the skills of a bicycle mechanic. Even a manual as big as all Harry Potters books together could not describe every possible combination, tricks and available components. For this reason this manual only focuses on your newly Lekker Bicycle, standard assembly and drawing your attention to important notes, warnings and maintenance.

SHIMANO

BAFANG

TEKTRO
BRAKE SYSTEMS

SAMSUNG



CHAPTER 1

Getting started

1. Congratulations! You are the proud owner of a brand new Lekker X! When you receive your bike, the first thing to do is check that it has arrived in perfect condition, Open the top of the box, and visually inspect the bike.

2. Remove the bike from the box, be careful, as E-bikes are generally **much heavier** than standard bikes, so some help maybe needed for this step. Once removed, you will find a **small accessory box**, the **charger box** and of course your **bike!**

3. For the correct assembly of your bike you will need the following tools; **15mm spanner**, **3/4/5/6mm Allen keys**, a small amount of **lithium grease** and a **pump**.

4. Remove all the packaging and turn the **front fork 90°** so the brake is facing the rear of the bike, and the stem is facing forward, You may also need to **spin the stem round** due to different packing styles.

- for more support please see images for chapter 1 in page 7 -

CHAPTER 2

Handlebar fitment and adjustment

5. Using a **5mm allen key**, remove the front plate of the stem, place the handlebar in the centre and re-fit the front plate with the four allen key bolts and loosely tighten, before securing the handlebar, **make sure you have adjusted it to the desired angle**, then tighten the four front bolts in a cross pattern and gradually build up to the correct torque (5Nm), you can then centre the handlebar/stem by loosening the two 5mm allen key bolts on the neck of the stem, moving the bar to the correct position and tightening the two bolts to 5Nm.

6. Now it's time to adjust the angle of the brake levers and gear shifter to your desired position. Using a **4mm Allen key**, loosen the two bolts on each of the brake levers to allow you to move them, once in the correct position tighten the bolts to the manufacturer's torque recommendation, **PLEASE NOTE:** you may have have to adjust the gear shifter position to allow you to move the right hand lever, to do this, loosen the bolt with a 3mm allen key, then perform the same steps as above, just remember to tighten the shifter back up!

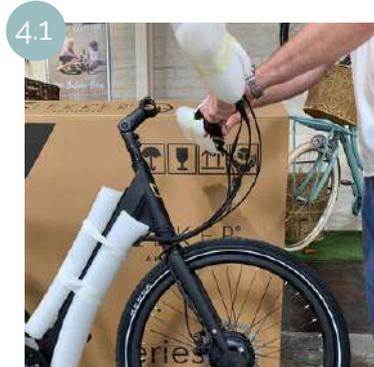
7. The Lekker X comes equipped with an adjustable stem. This allows you to adjust the angle of the handlebar, to do this, simply **loosen the 5mm bolt** found on the underside of the stem, adjust to the desired angle, and retighten to 17Nm, **PLEASE NOTE:** you will have to re-adjust the bar angle when this stem is completed.

- for more support please see images for chapter 2 in page 8 & 9 -

IMAGES

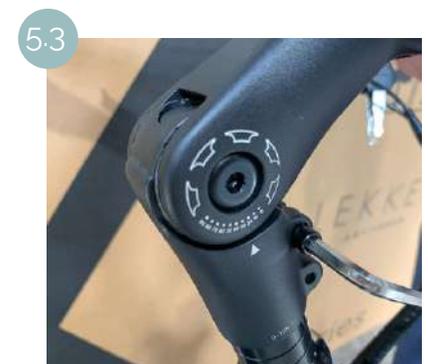
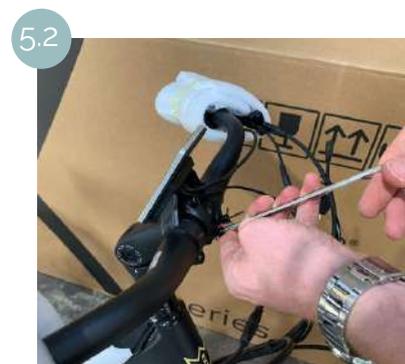
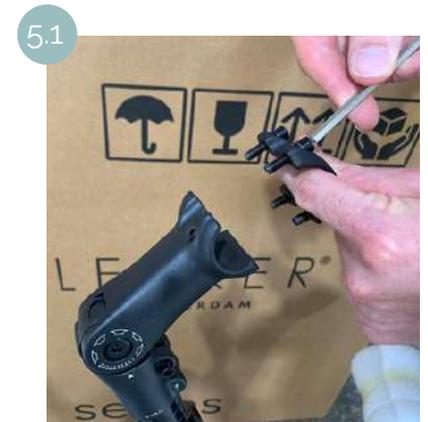
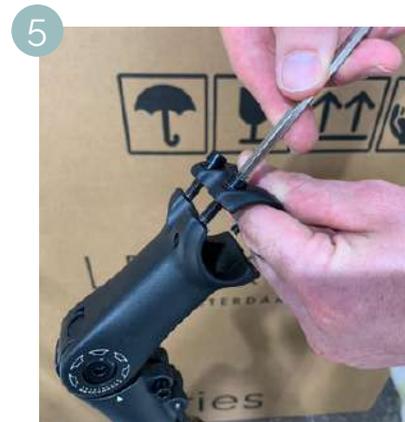
Chapter 1

(From LEFT to RIGHT, images follow the order of instructions.)



IMAGES

Chapter 2



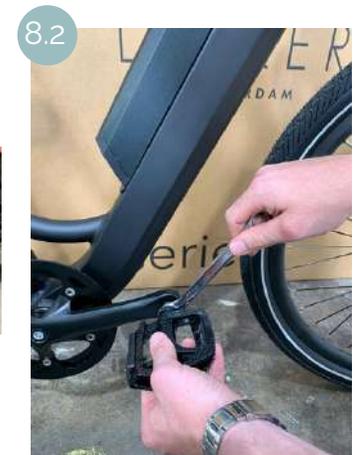
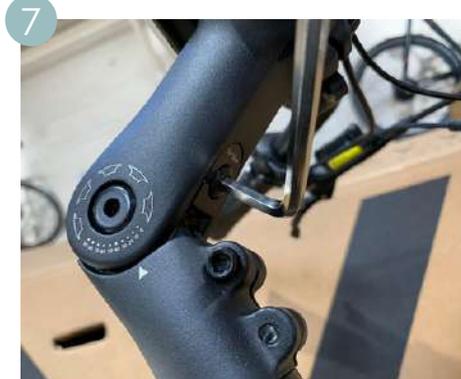
IMAGES

Chapter 2

CHAPTER 3

Assembly of the pedals

8. For the assembly of the pedals you will need a 15mm open ended spanner, **ATTENTION:** Please make sure to check the thread direction before inserting the pedals, as fitting the pedal to the wrong side can damage the crank arm which is not covered under warranty!. Apply some grease or anti seize to the pedal threads and tighten to 40-42Nm torque, **PLEASE NOTE;** It is very important to tighten the pedals to the correct torque, as by not doing so will lead to the pedals loosening and damaging the crank arm thread, which is not covered under warranty!



CHAPTER 4

Adjusting gears and final checks

The Lekker X comes fitted with the excellent **Shimano Nexus 3 speed hub**, this allow gear changing without the need to pedal for engagement, whilst we check all gear systems, some cable stretch can occur before, during and after the first few rides. To check that your gears are correctly aligned, just follow these simple steps.

9. Place the gear shifter in **gear number 2**, now go to the rear of the bike and check the gear selector housing, the yellow dot should be **between** the two white lines on the housing for correct gear shifting. If the yellow dot is outside of these two lines, the cable tension needs to be adjusted, to do this **loosen the 10mm lock nut** at the front of the housing, and with a pair of grips, **tighten or loosen the adjuster barrel** to move the yellow dot to the correct position, re-tighten the lock nut and cycle through the gears to check correct working, repeat the steps if necessary until correct adjustment is achieved.

10. Using either a hand pump or track pump, **remove the valve covers on both wheels**, attach the pump head and inflate the tyres to the recommended pressure (usually printed on the sidewall of the tyre) remove pump and fit the valve caps.

CHAPTER 4

Adjusting gears and final checks

11. Check the brakes are working by **pressing** the lever rapidly a few time to allow pressure to build up in the system, lift the wheel off the ground and spin it. It should spin freely without noise, if you hear a metallic rubbing sound then the brakes will need adjusting, **PLEASE NOTE:** the brakes will need checking before every ride, any anomalies should be addressed before using the bike further.

12. To adjust the the brakes, you will need a **5 mm allen key**, Firstly check the the side mounted bolts to make sure they are secured tightly, once this is done you can then proceed to adjust the caliper, you will need to loosen the two 5mm allen key bolts found on the top of the caliper, once done, you will then be able to **adjust the caliper horizontally** so the disc rotor moves freely between the brake pads.

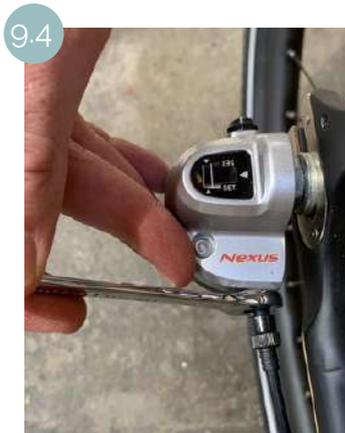
PLEASE NOTE: Disc brakes are subjected to high temperatures and stresses, which can cause the disc rotor to warp slightly, this is normal and can be adjusted by bending the disc rotor back to its original position. **ATTENTION:** If you do not feel comfortable adjusting the brakes, we recommend to always take your bicycle to a trained mechanic for building/adjustment.

13. To adjust the saddle, **loosen** the bolt on the seat post collar using a **5mm allen key** and remove the seat post completely, apply a **small amount of grease** to the inside of the frame, insert the seat post to the desired height and tighten the collar to 5Nm. Check the saddle is correctly positioned and retighten the 6mm bolt at the top of the seat post (located under the saddle) to **17Nm**.

- for more support please see images for chapter 4 in page 13 & 14 -

IMAGES

Chapter 4



IMAGES

Chapter 4



CHAPTER 5

Turning on your Lekker X and charging

We know you are excited to try your Lekker X for the first time! You're nearly there, just a few more steps before it's ready to go!

14. Before turning on your Lekker X, we recommend doing this whilst sitting on the bike, this allows full control over the bike and can avoid accidents. To turn your Lekker X on, firstly press the **"power"** button located at the top of your battery, the 4 LED lights should switch on to show the current charge, and will revert back to only one LED light for the remainder of the ride. Using the control module found on the **left hand side** of your bar, press the **"menu"** button for a few seconds to turn on your screen, once turned on, you can then cycle through the assist modes using the arrow buttons on the control module. For more in-depth instructions for your screen, please refer to the **manufacturer's manual**, found in PDF format **online**. **PLEASE NOTE:** when turning on your screen, please ensure the brake levers are free and not engaged, as this will show an error code on the screen. We also recommend always using **assist level 1** for starting, as this will allow better control of the bike.

15. All batteries will come with some charge, to get the most out of your battery, you may need to charge it before your first ride. We recommend that for the first three charges, to charge it for 12hr cycles. **PLEASE NOTE:** this will allow the battery to have full charge capacity.

CHAPTER 5

Turning on your Lekker X and charging

16. You are now **ready** to ride your Lekker X!!! Please remember to regularly check your pedals and all bolts are correctly tightened, and to service your bike regularly so you can enjoy it for many years to come!

14



14.1



14.2



14.3



14.4



CHAPTER 6

Battery care & general tips for use

To ensure your battery lasts its full life cycle, there are a few things you will need to do to ensure the correct working of the battery.

- 1.** First charge, when you receive your bike, you will need to cycle charge the battery for **12hr for the first 3 charges**, this will ensure the battery can hold the correct amount of charge.
- 2.** Your bike will come with two keys for the battery lock, it is very important to keep these safe, as Lekker Bikes **do not** carry replacements.
- 3.** If you place the bike in storage, remove the battery from the bike, charge to **around 60% charge capacity** and store in a cool dry place, covered. This will ensure no damage or moisture build up will occur, check the battery every **3 months**, and charge to **60%** if needed,
ATTENTION: If the battery is stored fully discharged for a long time, it may result in damage despite the low self-discharge rate and charge capacity may be substantially reduced.
- 4.** All batteries and frames are **water resistant, not waterproof**, if you are storing the bike outside overnight, or for long periods of time, please ensure the battery is removed and kept inside, and the bike is correctly covered and stored.
- 5. Never** charge batteries in **high humidity areas or outdoors**, doing so may result in electric shock.

CHAPTER 6

Battery care & general tips for use

6. Do not remove or insert the plug if it's **wet**, as this may cause electric shocks. If the plug is wet, completely dry before using.

7. Ensure the battery or charging **cables are removed** before maintenance or repairs are carried out.

8. All out batteries are supplied with a **2 year warranty**, should a fault occur in this period, Lekker will replace the battery. Normal ageing as well as wear and tear do not constitute as material deficiency.

9. Do not place the battery into **fresh water or sea water**, and do not allow the battery terminals to get wet. Doing so may cause overheating, bursting, or ignition of the battery

10. Take care to ensure that the **battery does not get too hot**. Battery ageing increases sharply with temperatures above **40 °C**. Placing the battery in direct sunlight can cause a battery to heat up considerably. Take care to ensure you do not leave the battery in a hot car and park your bike in the shade during bike rides. If you cannot avoid the heat, make sure you do not charge the battery **at the same time**.

11. If you ride constantly using maximum motor assist, your motor will always need a higher current. Higher currents cause the battery to age faster. Use the assist modes **judiciously**, cycle through them as you would a normal gear system, **Starting off in a high assist level is not recommended** and can cause you to lose control of the bike.

CHAPTER 6

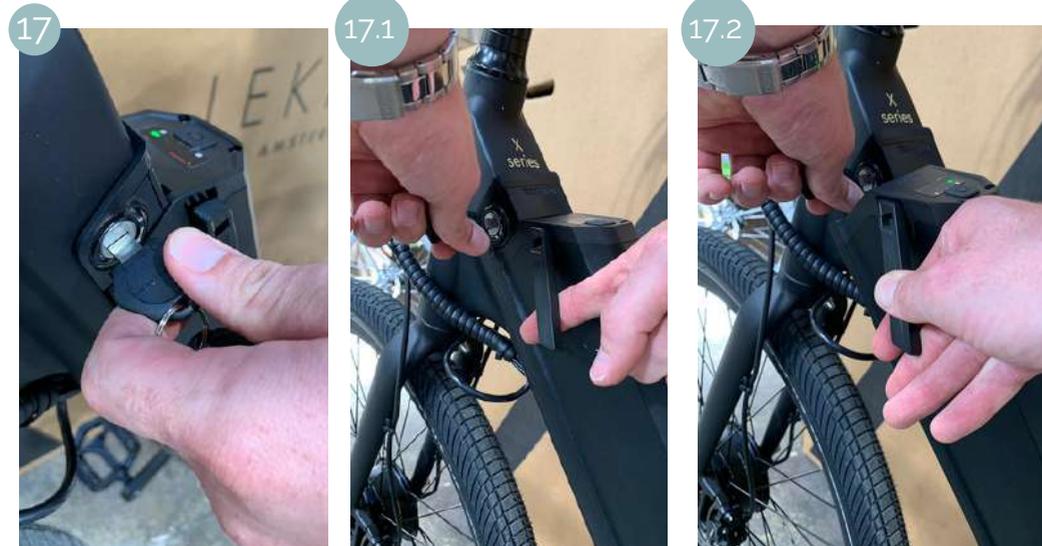
Battery care & general tips for use

12. Please take care when using E-Bikes on **loose terrain**, the added power from the motor can cause the bike to lose control in these situations, Please remember to be **aware of your surroundings** when using an E-bike, do not give too much attention to the screen when riding.
13. It is **law** in Australia to always **use a helmet when riding**, it is also required in many states to **use lights** when riding in low visibility conditions. We also highly recommend wearing a helmet in countries where this is not compulsory.
14. All pedelec E-bikes must be **limited to 250w power output** and motor assist **cannot** exceed **25km/h**, Lekker Bikes will not be held liable for any aftermarket modifications to the motor or system that may have an effect on it's performance.
15. Lekker Bikes recommends servicing your E-bike **every 4-6 months** to ensure correct working of the bicycle, by a trained mechanic, and will not be held responsible for any misuse, incorrect fitting or assembly of the bike.
16. **Do not make any changes** to your electric system or fit any other products to it aimed at increasing the power output from your e-bike. As a rule you will shorten the service life of the system and risk damaging the Drive Unit (motor) and the e-bike. In addition there is also the danger that you **will void the warranty of your e-bike**. Furthermore, as a result of inexpert work on the system you will jeopardise your safety and that of other road users which risks accidents caused by manipulations, high personal liability costs and potentially even the danger of criminal prosecution.

IMAGES

Battery care & general tips for use

17. To **remove** the battery simply turn and hold the key in the **unlock** position, pull the lever on the battery and pull sideways to release.
18. To **fit** the battery, place the bottom of the battery in the frame and slide the top of the battery sideways until you hear a **click**. To ensure it is correctly fitted try and move it slightly from side to side. I **shouldn't** move if it's correctly inserted.





MANUAL LEKKER BIKES



LEKKER X

