



**LT**  
*douze*  
CYCLES

INSTRUCTION MANUAL  
LT M / LT1 / LT2 B / LT2 S

EN



## The DOUZE LT and its components

Before we begin, here are a few useful terms to help you get to know the DOUZE LT. The following annotated diagrams show its different components.

EN



**BIKE COMPONENTS**

<b>1</b>	STEM	<b>14</b>	DERAILLEUR
<b>2</b>	HANDLEBAR	<b>15</b>	REAR TYRE
<b>3</b>	FRONT LIGHT	<b>16</b>	REAR BRAKE DISC
<b>4</b>	FRONT MUDGUARD	<b>17</b>	REAR MUDGUARD
<b>5</b>	FORK	<b>18</b>	REAR LIGHT
<b>6</b>	FRONT TYRE	<b>19</b>	REAR LUGGAGE RACK
<b>7</b>	FRONT BRAKE DISC	<b>20</b>	WHEEL GUARD
<b>8</b>	PEDAL	<b>21</b>	SEAT POST
<b>9</b>	MOTOR	<b>22</b>	SADDLE
<b>10</b>	CRANKSET	<b>23</b>	SADDLE CLAMP
<b>11</b>	BATTERY	<b>16</b>	
<b>12</b>	KICKSTAND	<b>16</b>	
<b>13</b>	CHAIN		

**HANDLEBARS**

<b>A</b>	GRIP
<b>B</b>	BRAKES LEVERS
<b>C</b>	REMOTE / DISPLAY
<b>D</b>	FRONT LIGHT
<b>E</b>	HANDLEBAR
<b>F</b>	BELL
<b>G</b>	SHIFTERS

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**You have purchased a DOUZE Cycles cargo bike, LT model. DOUZE Cycles is a DOUZE Factory brand.**

## IMPORTANT

This instruction manual is for the DOUZE Cycles cargo bike, LT model, and its electric assist system. It contains important information about your safety and that of passengers. You will also find essential information on the technical characteristics and maintenance of your LT and its electric assistance system.

Make sure that your Retailer or DOUZE Cycles Technical Centre has provided the information required for getting started, maintenance and the warranty conditions of your LT and its accessories, along with its maintenance handbook.

This manual is also available as a PDF document, which can be downloaded from the website:

[www.douze-cycles.com](http://www.douze-cycles.com)



### DANGER

This icon indicates a potentially dangerous situation.



### IMPORTANT

This icon indicates information that must not be ignored.



### TIP

This icon indicates help or advice, so that you can make the most of your LT.



### ONLINE RESOURCE

This icon indicates an online resource accompanied by a link.

<http://www.douze-cycles.com/support/>

# BEFORE STARTING UP





## Loading the LT

The LT has been designed to transport people and goods. Loading must comply with certain limits so you can ride in complete safety. Each version of the LT includes the bike assembly, rear luggage rack and skirt guard without accessories.



	LT M	LT1	LT2 B	LT2 S
BIKE WEIGHT	23 kg	29,5 kg	30,5 kg	29,5 kg
MAXIMUM CYCLIST WEIGHT	100 kg			
MAXIMUM LOAD WEIGHT ON THE	REAR LUGGAGE RACK 80 kg		FRONT LUGGAGE RACK 18 kg	
MAXIMUM TOTAL LOAD WEIGHT ALLOWED (cyclist + front/rear load)	198 kg			
TOTAL WEIGHT RIDING WEIGHT ALLOWED (bike + cyclist + fr./re. load + accessories; without harness)	240 kg			

## Safe riding

This notice has been supplied to you with your LT by your Retailer or your DOUZE Cycles Technical Centre. Every bike is assembled, configured and checked by a qualified person who has received the relevant training and materials.

Before taking the road, please read the safety advices and instructions to get the most out of your LT:

- Before use, always check the main steering and safety elements: tightening of the handlebars, stem and wheels, tyre pressure and correctly functioning brakes
- Always wear suitable equipment. In France, helmets are mandatory for children under 12 and are highly recommended for everyone. The wearing of an approved high-vis vest is mandatory for all cyclists and any passengers when cycling outside built-up areas, at night or when visibility is poor.
- Always observe the Traffic Laws of the country in which you are cycling. Legislation on mandatory equipment and the Traffic Laws differ from one country to another, so please find out before you travel.
- Ensure that you are visible and able to alert other users to your presence. In France, reflectors, headlamps and a sound warning system audible at up to 50 m are mandatory.
- The load on your LT must be stable and not pose a danger to any passengers or other road users. Make sure that the load does not exceed the width of the handlebars.

# FIRST USE





Every DOUZE cyclist has their own unique height, body shape and riding position. Your cargo bike has been designed to be used in daily life, for business and pleasure. It is, therefore, essential to adjust your LT to your body shape for optimal comfort and safety. Your Retailer or DOUZE Cycles Technical Centre will help you make such adjustments when you receive your cargo bike. They can be tuned during the first mandatory servicing.

## Adjusting the saddle height

The ideal height is when your knee is slightly bent when the pedal is in its lowest position. To adjust the saddle height, open the saddle clamp lever, then close it ensuring that the seat post is fully locked in place.



**For your safety, do not exceed the insertion limit of the seatpost as indicated by the marking “MIN Insert”. (Fig-1)**



Fig-1



Fig-2

## Adjusting the saddle

The saddle clamp lets you adjust the angle and height of the saddle to suit your body shape and riding style (Fig-2). A neutral configuration is obtained with the saddle horizontal and the clamp in the centre.

We recommend that you lower the saddle if you are very tall or raise it if you are of below-average height.

## Adjusting the brake levers

Your fingers should sit naturally on the brake levers.

To reduce braking time, position the levers in line with your forearms.



*Adjusting the brake grips*



Battery charge level

## Charging and fitting the battery

To optimise your battery's performance, it is important to fully charge and discharge the battery for the first three uses. After these first three cycles, it is no longer necessary to discharge the battery completely before recharging.



On the other hand, if you intend to store the battery for a long period without using it (two weeks or more), do not charge above 70% of the total capacity.



A completely discharged battery must not be stored in an environment that is too cold (<math><10^{\circ}\text{C}</math>) or stored for more than 24 hours without being recharged, otherwise, it enters into a state of deep discharge, which may damage it permanently.



USE



The LT is intended for use on tarmac roads, lightly gravelled paths or any other type of non-asphalt road suitable for cycling where the two wheels stay in permanent contact with the ground. The LT is not, under any circumstances, intended for "all-terrain" use or any kind of competition. The LT is designed to be ridden by an adult with a minimum height of 1.50 metres, a maximum height of 1.95 metres and a maximum weight of 100 kg. The total permitted load is 80 kg maximum on the rear luggage rack. The total weight limit is 198 kg including the cyclist and their load. It must never be exceeded.

## Loading

Loading is possible on the rear luggage rack. Front loading is possible only if your LT is equipped with a suitable accessory, available from your Retailer or DOUZE Cycles Technical Centre. The load must be properly attached to the structure. It must be organised according to the mass of each object transported with the heaviest objects placed as near as possible to the saddle and low down. They must not exceed the width of the handlebars. Check that there is no risk of any object falling during your ride.

Carrying people, children or adults, is also possible on the rear luggage rack only. You can use it to carry one or two passengers without exceeding the total limit of 80 kg. Various accessories are available to improve the comfort and safety of passengers. Accessories that make your luggage rack compatible with MIK HD and THULE EasyFit mounting systems are available.



**When the passengers get on and off, the bike must be held by the cyclist to prevent it from falling.**



**Make sure that your reflectors and lights are visible once you have added your load to the luggage rack.**

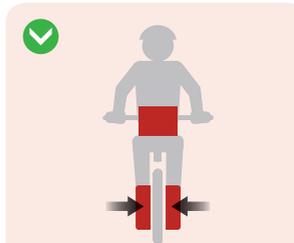
### GOOD PRACTICE FOR SAFE RIDING



**PLACE THE LOAD IN THE CENTRE.  
THIS HELPS REDUCE  
UNSTEADINESS.**



**PLACE THE LOAD LOW DOWN.  
THIS IMPROVES STABILITY.**



**DISTRIBUTE THE LOAD CLOSE  
TO YOUR BIKE.**

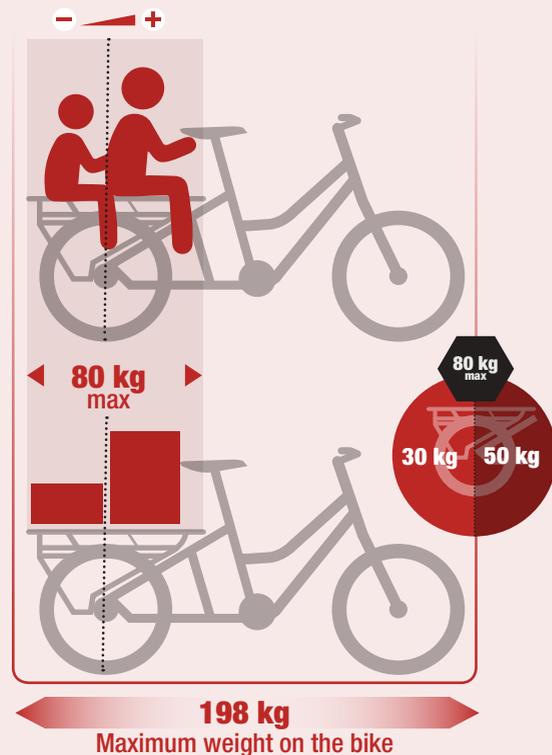


**KEEP YOUR HANDS ON THE  
HANDLEBARS FOR YOUR SAFETY  
AND THAT OF YOUR PASSENGERS.**



Douze Factory cannot be held liable for any incident or accident or their consequences caused by incorrect installation or improper carrying of children or goods in transit. Any modification of the structure of the luggage rack and bike in general is forbidden.

LOAD DISTRIBUTION ON THE BIKE



## Engaging and retracting the kickstand

When engaging and retracting the LT's kickstand, keep one hand on the handlebars, one hand on the saddle and both feet on the ground.

To engage the kickstand, place the pads of the kickstand in contact with the ground using your foot, then pull the handlebars backwards; the kickstand pivots and the bike will come to rest on it. To retract the kickstand, press on the handlebars while keeping the front wheel straight.



**For your safety, never use the kickstand on a slope or loose road covering. When you retract the kickstand, be aware of the bike's forward movement and keep your fingers on the brake levers to stop the bike immediately once the kickstand has been retracted.**

## Starting and pedalling

To ride your LT in the best possible conditions, position one of the pedals as high as possible to give maximum impetus to the bike and allow you time to find your balance.



**You can quickly get to grips with a cargo bike but you will need to practice at first by riding in an open space to safely get used to the size of the bike and the general balance of a loaded bike.**



A longtail cargo bike is longer than a traditional bike. Looking far ahead and making relaxed movements is the best way of learning how to ride your LT. You will also need to anticipate turns and learn when to accelerate and brake to ride safely.



*Engaging the kickstand*



*Retracting the kickstand*

## Changing gears

To adjust the pedalling effort required to the incline, you will need to change gears. Choosing the right bracket will also relieve the electric assistance so it is not forced needlessly.

The derailleur's trigger gears shifter lets you move up or down the gears.



**Changing gears must occur while the bike is in motion, never while it is at a standstill. This could damage the transmission. Switch down a gear when you come to a stop to make it easier to set off again. This is even more important when the bike is loaded. You should always release the pedalling effort to change gears one by one.**



## Braking and stopping

A cargo bike is heavier than a conventional bike, particularly when loaded, which causes greater inertia. As a result, reaction time is reduced and more anticipation is required when braking.



**Be very careful not to lock the wheels, especially on slippery or wet surfaces. It is also important to adapt your braking to the load carried.**

## Vertical storage

You can store your LT vertically to save space. This is possible if your LT has the Footrest accessory, which has buffers to stabilise the bike. This accessory is available as an option from your Retailer or the DOUZE Cycles Technical Centre and on our website.

# LT MOTORS





Location of engine identification numbers.

The LT is supplied with a motor, which puts it in the Electric Bicycle (EB) category. Current legislation on EBs is likely to vary from one country to another, so please refer to the laws of the country in which you are using your LT.

### The LT1 rear wheel motor

The diagram opposite shows the location of the motor's identification numbers.



**This label identifies the motor and must not be removed or altered.**

▷ Nominal power	250 W
▷ Nominal voltage	36 V
▷ Ingress protection	IP65
▷ Certification	CE / ROHS
▷ Usage conditions	-20°C ~ 45°C

- Repairs must be carried out by a qualified person with the approved equipment. Please contact your Retailer or DOUZE Cycles Technical Centre for any work on the motor of your LT.
- Do not remove the motor.
- Do not use solvents, oil or other greases to clean the components. Such substances may damage the surfaces.
- Do not immerse the motor in water and avoid high-pressure waterjets that could damage the components. Use a damp cloth for cleaning.

### The LT1 remote

The LT1 is equipped with a SIGMA EOX 500 remote. It lets you adjust the five assistance levels, see the battery gauge and activate walking assistance. The LED bar indicates the level of the LT's battery. It has five levels. When the bar reaches its lowest level and flashes it means that electric assistance will soon be unavailable.



The LT1 remote

### Walk assist mode

Walking assistance mode helps you push your LT more easily at a speed of 5 km/h. To activate this mode, bring the bike to a standstill. Press and hold the “DOWN” button until the LED bar flashes. Make a long press on the “DOWN” button and walk with your LT; walk assist mode is active.



**Walking assistance must never be used while sitting on the bike. It should only be used to help the cyclist push the bike. Walking assistance should only be used when both hands are free to hold the handlebars and must not prevent you from controlling the bike's speed.**



The remote manual can be viewed by following this link: <https://www.douze-cycles.com/support/>

### The SIGMA EOX® application

Used together with the SIGMA EOX 500 remote, this free app gives you access to many features: geolocation, GPS tracking, battery and motor information, speed etc. The app is available from the Google Play Store and the Apple App Store on your mobile.





The LT1 battery

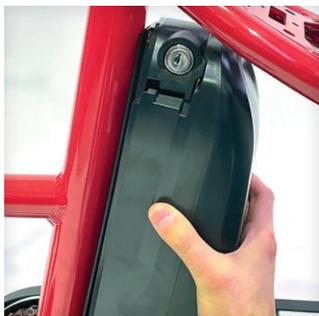
### The LT1 battery

The LT1 is fitted with a 630 Wh-capacity battery. It is locked onto its mounting with a key lock. It must be removed by using a rotating motion as shown on the diagram below.



**Check that the battery is correctly installed on its mount before setting off.**

**Never leave the key in the lock as this could damage it.**



Locking the LT1 battery



Battery charge level

### The LT1 charger

The battery charger supplied with the system supplies a current of 2 A. It can fully charge the battery in around 7.5 hours. To charge the battery, connect the power cable to the charger, taking care to push it in all the way. Then connect the charger to a domestic 230V/50Hz socket; a green light flashes to indicate that the charger is functioning. Next, connect the charger to the battery using the barrel connector to start charging; a red light comes on. Once charging has finished, the charger stops automatically.

The LT1 battery has five green LED lights. When you start charging the battery, the light that corresponds to the charge level flashes then becomes steady. The next light flashes and becomes steady and so on until all five lights are on and steady. Warning: the battery is only fully charged when the five green lights have gone out.

## LT2 B mid-drive motor

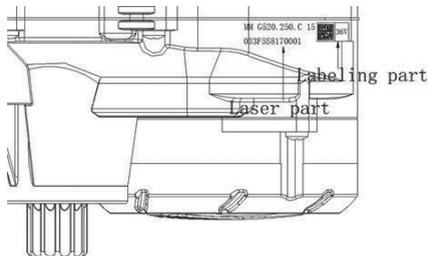
### The LT2 B BAFANG M500/M510 mid drive motor

The diagram below shows the location of the motor's identification numbers.



**This label identifies the motor and must not be removed or altered.**

▷ Nominal power	250 W
▷ Nominal voltage	48 V
▷ Ingress protection	IP6
▷ Certification	CE / ROHS
▷ Usage conditions	-20°C ~ 45°C



- Repairs must be carried out by a qualified person with the approved equipment. Please contact your Retailer or DOUZE Cycles Technical Centre for any work on the motor of your LT.
- Do not remove the motor.

- Do not use solvents, oil or other greases to clean the components. Such substances may damage the surfaces.
- Do not immerse the motor in water and avoid high-pressure waterjets that could damage the components. Use a damp cloth for cleaning.

### The LT2 B remote

The LT2 B is equipped with a SIGMA EOX 500 remote. It lets you adjust the five assistance levels, see the battery gauge and activate walking assistance. The LED bar indicates the level of the LT's battery. It has five levels. When the bar reaches its lowest level and flashes it means that electric assistance will soon be unavailable.



The LT2 B remote

### Walk assist mode

Walking assistance mode helps you push your LT more easily at a speed of 5 km/h. To activate this mode, bring the bike to a standstill. Press and hold the “DOWN” button until the LED bar flashes. Make a long press on the “DOWN” button and walk with your LT; walk assist mode is active.



**Walking assistance must never be used while sitting on the bike. It should only be used to help the cyclist push the bike. Walking assistance should only be used when both hands are free to hold the handlebars and must not prevent you from controlling the bike's speed.**



The remote manual can be viewed by following this link: <https://www.douze-cycles.com/support/>

### The SIGMA EOX® application

Used together with the SIGMA EOX 500 remote, this free app gives you access to many features: geolocation, GPS tracking, battery and motor information, speed etc. The app is available from the Google Play Store and the Apple App Store on your mobile.



### The LT2 B battery

The LT2 B is fitted with a 672 Wh-capacity battery. It is locked onto its mounting with a key lock. It must be removed by using a rotating motion as shown on the diagram below.



**Check that the battery is correctly installed on its mounting before setting off.  
Never leave the key in the lock as this could damage it.**



*The LT2 B battery*



*Locking the LT2 B battery*

### The LT2 B charger

The battery charger supplied with the system supplies a current of 2 A. It can fully charge the battery in around 6 hours. To charge the battery, connect the power cable to the charger, taking care to push it in all the way. Then connect the charger to a domestic 230V/50Hz socket; a green light comes on to indicate that the charger is functioning. Next, connect the charger to the battery using the barrel connector to start charging; a red light comes on. Once charging has finished, the charger stops automatically.

The LT2 B battery has five green LED lights. When you start charging the battery, the light that corresponds to the charge level flashes then becomes steady. The next light flashes and becomes steady and so on until all five lights are on and steady. Warning: the battery is only fully charged when the five green lights have gone out.



*Battery charge level*

EN



## LT2 S mid-drive motor

### The LT2 S SHIMANO EP8 Cargo mid-drive motor

The diagram below shows the location of the motor's identification numbers



**During sustained and prolonged effort, particularly on very hot days, the heating of the motor or the battery could cause a reduction in assistance.**

▷ Nominal power	250 W
▷ Nominal voltage	36 V
▷ Certification	CE
▷ Usage conditions	-10°C ~ 50°C

The battery key number is required to obtain replacement keys. Keep it in a safe place.

- Contact your Retailer or DOUZE Cycles Technical Centre to update the product software.
- Do not use solvents, oil or other greases to clean the components. Such substances may damage the surfaces.

### The LT2 S display

The LT2 S is equipped with a SHIMANO E5000 display. It lets you adjust the three assistance levels, see your speed and the battery gauge, control the lights and activate walking assistance.

### Walk assist mode

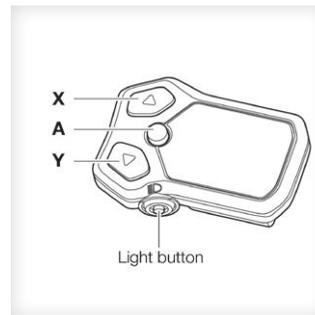
Walk assist mode helps you push your LT more easily at a speed of 6 km/h. To activate this mode, bring the bike to a standstill. Press the “Y” button until the walk assist icon appears in the top left-hand corner of the screen. Push your LT gently while pressing the same button again. If you release the “Y” button, the assistance stops. To exit walk assist mode, press the “X” button.



**Walking assistance must never be used while sitting on the bike. It should only be used to help the cyclist push the bike. Walking assistance should only be used when both hands are free to hold the handle-bars and must not prevent you from controlling the bike's speed.**



*The LT2 S SHIMANO display*



*Display control buttons*



*The LT2 S battery*



*the LT2 S charger*

### The LT2 S battery

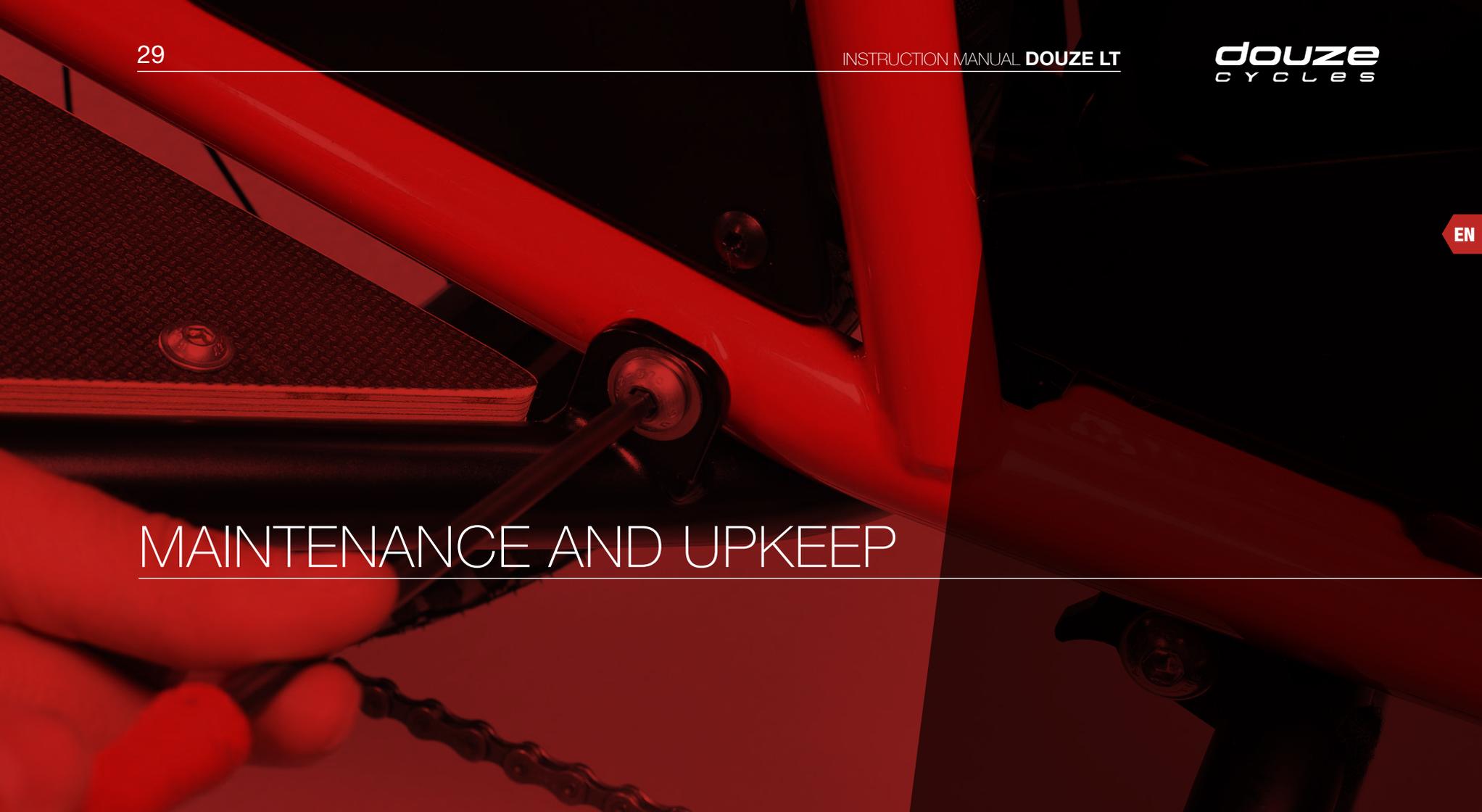
The LT's battery is fitted onto its mounting using a lateral rotating motion.



**Never leave the key in the lock as this could damage it.**

### The LT2 S charger

The battery charger supplied with the system supplies a current of 1,8 A. It can fully charge the battery in around 4.3 hours. To charge the battery, connect the power cable to the charger, taking care to push it in all the way. Then connect the charger to a domestic 230V/50Hz socket, when a green LED flashes to indicate that the charger is functioning. Connect the charger to the battery using the socket to start charging. Once charging has finished, the charger stops automatically.



# MAINTENANCE AND UPKEEP

In this section, you will find a lot of advice to help you maintain your cargo bike. However, please remember that for any repairs you should contact your Retailer or DOUZE Cycles Technical Centre. They will also be able to advise you on using DOUZE Cycles products.

### Cleaning and lubrication

We advise you to clean your LT regularly, especially if you use it every day. The dust and other particles you pick up on the road are very abrasive and could cause premature wear of the cargo bike's components. This applies particularly to moving mechanical parts. The entire frame can be cleaned with soapy water and a soft cloth, then rinsed with clean water. Brake discs must be cleaned with a special product to maintain optimum braking in all conditions. The transmission components must be cleaned with a brush and an appropriate product, then lubricated, ensuring that the brake components are protected.



**Even though your LT is designed for use in all weather conditions, try to store it where it is protected from bad weather to protect the frame and the various components.**



**Never clean your DOUZE LT using a high-pressure water jet as this could damage the bike, especially the motor components. This type of damage invalidates the warranty.**



Your cargo bike can be cleaned with soapy water and a soft cloth, then rinsed with clean water.



**Always protect braking system components before lubrication so they are not contaminated. Brake pads contaminated with lubricant must be changed immediately, taking care to degrease the disc beforehand.**

## Battery maintenance

### Battery management

During your cargo bike's service, we recommend that you get your battery checked by your Retailer or DOUZE Cycles Technical Centre so they can carry out diagnostics, an update and a charging cycle to rebalance the cells if necessary.

When the battery is out-of-use, consider recycling it. After treatment, each used battery can be recycled at almost 65%. Contact your Retailer or DOUZE Cycles Technical Centre to deposit your out-of-use battery. Keep your battery at a temperature of 10-25°C and do not expose it to extreme temperatures. Do not store it in sunlight. Keep the connectors clean.



**If your battery has suffered a violent jolt or fall and appears damaged, do not try to charge it, instead, contact your Retailer or DOUZE Cycles Technical Centre. If your battery is excessively hot in an unusual way, it is a sign of a malfunction. Disconnect it and contact your Retailer or DOUZE Cycles Technical Centre. If your battery gives off smoke or flames, immediately distance yourself and contact the emergency services, informing them that they are dealing with a lithium battery fire.**

### Storing the battery

Your battery should not remain completely discharged nor fully charged for prolonged storage periods. If it is completely discharged, do not wait more than 24 hours before recharging it.

If you do not intend to use your cargo bike for a long period, you should comply with the following recommendations to protect it:

- choose a storage site in a cool location, protected from frost; the ideal storage temperature is 10°C;
- regularly check that the battery capacity has not fallen too low and charge it if this is the case.



## Checking and changing worn parts

Regularly check the wear parts of your LT so you do not take risks and will not find yourself stuck while travelling. If you have any concerns about the wearing of certain components, please consult your Retailer or DOUZE Cycles Technical Centre.



**Responsible, regular cleaning is essential for a reliable bike. Never wait for a problem to get worse before acting!**

Here is the list of wear parts to be checked regularly and that require maintenance at different stages:

- the braking system: pads, discs, brackets, levers and hoses
- transmission parts: crank-set, sprocket(s), derailleur, chain tensioner, chain, and derailleur sheath and cable
- the wheels: plates, radial and lateral rim run out, spoke tension, freewheel body and tyres
- the bearings: wheels, steering and chain set

The following recommendations are indicative for normal use of your LT. It may be necessary to adapt them according to your use.

**MAINTENANCE - TO BE CARRIED OUT EVERY MONTH BY YOURSELF, WITH THE ADVICE OF YOUR DEALER IF NECESSARY.**

Equipment condition		Actions
<b>Full cleaning</b>		
Frame	Frame + fork + stand condition	Visual inspection
	Fork headset condition	Visual inspection + test + setting
	Saddle + seatpost assembly condition	Visual inspection
	Pedals condition	Visual inspection + test
Rear Luggage rack	Rear luggage rack condition	Visual check + tightening check
Cockpit	Handlebars + grips + controls + stem condition	Visual check + adjustment + stem and handlebar tightening
Wheels	Spokes + rims condition. Tightening of the axles	Visual check + tightening check
Tyres	Tyres condition	Visual check + pressure
Transmission	Drivetrain assembly (casing, cable, derailleur, shifter) condition	Visual inspection + test + adjustment
	Chain maintenance	Cleaning and lubrication
Brakes	Brake system ((especially pads and discs) condition	Visual inspection + test
Mudguards and wheel guard	Mudguards and wheel guard condition	Visual inspection
Motorization	General control of engine, battery, display	Visual inspection + test
	Status of connectivity	Visual inspection
Lights	Lighting condition	Visual inspection + test

At your DOUZE Dealer or DOUZE Cycles Technical Centre, according to the maintenance handbook.

**1<sup>ST</sup> MAINTENANCE**

*AT 300 KM OR AT THE LATEST 3 MONTHS FROM DATE OF PURCHASE*

Settings and adjustments following the break-in of the whole bike + accessories

Check of all tightening torques

Check of safety devices (tyres + brakes + lighting)

Lubrication and adjustment of the transmission

Wheel truing and spoke tension control

Potential upgrade of the motorisation

**3<sup>RD</sup> MAINTENANCE**

*AT 3 000 KM OR AT THE LATEST 12 MONTHS FROM DATE OF PURCHASE*

All tightening torques check

safety devices (tyres + brakes + lighting) check

Wheel truing and spoke tension control

Update and diagnosis of the motorisation

Brake pads change

Chain change

Hub clearance check

**2<sup>ST</sup> MAINTENANCE**

*AT 1 500 KM OR AT THE LATEST 6 MONTHS FROM DATE OF PURCHASE*

All tightening torques check

safety devices (tyres + brakes + lighting) check

Lubrication and adjustment of the transmission

Wheel truing and spoke tension control

Potential upgrade of the motorisation

Change of brake pads

**4<sup>RD</sup> MAINTENANCE**

*AT 4 500 KM OR AT THE LATEST 18 MONTHS FROM DATE OF PURCHASE*

All tightening torques check

safety devices (tyres + brakes + lighting) check

Lubrication and adjustment of the transmission

Wheel truing and spoke tension control

Potential upgrade of the motorisation

Brake pads change

Change of cassette/track

**5<sup>RD</sup> MAINTENANCE**

*AT 6 000 KM OR AT THE LATEST 24 MONTHS FROM DATE OF PURCHASE*

- All tightening torques check
- safety devices (tyres + brakes + lighting) check
- Wheel truing and spoke tension control
- Update and diagnosis of the motorisation
- Brake pads change
- Chain change
- Hub clearance check
- Brake disc change
- Brake fluid change + bleeding
- Tyres and tubes change
- Kickstand pads change



*Use the maintenance handbook provided by your Retailer or DOUZE Cycles Technical Centre to record maintenance on your LT.*



## Eco-riding

Adopting eco-riding habits every day will help you reduce your energy consumption while extending the life of the battery, motor and components of the DOUZE LT.

### Changing gears

Firstly, it is better to change gears than to modify the assistance level of the motor. When you change gears, do not press down too hard on the pedals. The greater the effort, the more power delivered by the motor, which can lead to premature wear of the transmission.

It is also important to cycle at the right pedalling frequency. Pedalling slowly (less than 60 rpm) puts pressure on the motor.

### Conserving the brakes

Anticipation is key. With an e-bike, due to the ease of pedalling, we tend to under-anticipate when stopping. This makes us brake later and harder over a shorter distance. As a result, the brake pads wear out more quickly. Remember to adapt your speed.



# APPENDICES

## Tightening torque

To guarantee the proper functioning of your LT and the life of its components, it is essential to check the tightening of screws and nuts regularly and re-screw them correctly if you observe any problems. Tighten using a torque wrench to comply with the values provided in the table below. If you cannot find the torque value for any component, seek the advice of your Retailer or DOUZE Cycles Technical Centre.

COMPONENTS	TIGHTENING TORQUE
<b>Transmission</b>	
Dérailleur	8-10 Nm
Dérailleur hanger	3 Nm
Cartridge	40 Nm
Pedal cranks	30-40 Nm
Pedals	8-10 Nm
<b>Brakes</b>	
Brake callipers	6-8 Nm
Brake discs	5-7 Nm
<b>Steering</b>	
Handlebar stem	Mantle 6-7 Nm / Stem 8 Nm
Wheel nuts	20 Nm
<b>Handlebars</b>	
Handlebar grips	3 Nm
Handlebar brake levers	6-8 Nm
Shifter	6-8 Nm
Saddle on seat post	9-10 Nm
Seat post clamp	4-6 Nm
<b>Accessories</b>	
Mudguard	6-8 Nm
Luggage rack	10-12 Nm

## The technical characteristics of the DOUZE LT

### FRAME AND FORK

Frame	Aluminium 6061
Fork	Aluminium 6061

### WHEELS, BRAKES AND STEERING

Front/rear hub	100 mm – 36H – Axle 9 mm / 135 mm – 36H – Axe 10 mm
Front/rear rim	24" – 36H – Double-wall alu. / 24" – 36H – Double-wall alu
Tyres	Cargo 24" x 1.95" or Cargo 24" x 2.15
Brakes	Hydraulic – Disc 180 mm
Mudguard	Stainless steel 70 mm
Headset	1 1/8 Semi-integrated

### COMPONENTS

Handlebars	Mustache
Stem	80 mm
Grips	Ergonomic
Saddle	Confort
Seat post	400 mm (H : 82-115 cm)
Pedals	Standard

### TRANSMISSIONS

Transmission	External derailleur 10-speed 11-42 (LT M) External derailleur 9-speed 11-36 (LT 1) External derailleur SHIMANO Deore Linkglide 10-speed 11-43 (LT2 B/LT2 S)
Chain	Reinforced

### MOTOR/BATTERY/DISPLAY

Rear wheel 250 W (LT1)	BAFANG M500 / M510 (LT2 B)	SHIMANO EP8 Cargo (LT2 S)
DLG D1 36V, 17.5 Ah, 630 Wh	DLG D1 48V, 14 Ah, 672 Wh	SHIMANO 504 Wh
SIGMA EOX Remote 500	SIGMA EOX Remote 500	SHIMANO E5000

### ÉCLAIRAGE

Front	B&M IQ-XS Friendly E – 50 Lux (LT1 / LT2 B / LT2 S) Battery powered lighting (LT M)
Rear	B&M 2CE (LT1 / LT2 B / LT2 S) Battery powered lighting (LT M)

### DIMENSIONS

Overall length	2,05 m
Overall width	0,67 m
Overall height	1,05 m

## Warranty and After Sales Service

In the event of a problem, please consult your Retailer or DOUZE Cycles Technical Centre, providing your LT purchase invoice.

The reference date for the warranty is the date on your bike's purchase invoice. Components and frames are under warranty against manufacturing defects for two years.

Register on [www.douze-cycles.com/register](http://www.douze-cycles.com/register)

### The warranty applies:

- To purchases made from a DOUZE Cycles retailer or provided via a DOUZE Cycles Technical Centre.
- To cases of normal wear to the LT as specified in the General Conditions of Use.
- To the initial purchaser of the bike - the warranty is non-transferable in the event of resale.

### Specific cases:

- Specific and professional uses of the LT are subject to restrictions so they do not fall outside the terms of the warranty.

### 3-YEAR EXTENDED WARRANTY

After registration, we offer a three-year extended warranty for your DOUZE. An extended warranty is only valid for bikes used in a non-professional context.

You are reminded that the warranty only applies to the first owner.

### The warranty does not apply:

- To wear parts (a list is provided in the paragraph Checks and exchanges for wear parts.)
- If insufficient maintenance or negligence by the user is observed.
- In the event of an accident or other excessive action on the bike's components, including exposure to fire, chemical products and excessively humid, saline or acidic atmospheres.
- If major modifications are carried out on the bike without the prior written authorisation of DOUZE Factory.
- In the event of use that breaches technical and safety standards.

## Certificate of conformity

### PRODUCTION INFORMATION

DOUZE LT M

Frames	Aluminium 6061 T6	Wheels	Front: 24"/Rear: 24"
Length	2050 mm	Tyres	KENDA Kwick Drumlin 1.95
Width	620 mm	Brakes	180 mm hydraulic disc brakes
Weight	1080 mm		
Weight	23 kg		
Maximum rear load	80 kg		
Maximum front load	18 kg		
Total load weight allowed	198 kg		

## Certificate of conformity

### PRODUCTION INFORMATION

DOUZE LT1

Frames	Aluminium 6061 T6	Electric motor	250 W rear wheel motor
Length	2050 mm	Battery	DLG Lithium-ion 36 V/17.5 Ah/636 Wh
Width	620 mm	Control/display	SIGMA EOX
Weight	1080 mm	Charger	DLG 2 A
Weight	23 kg	Sensors	Pedal torque sensor
Maximum rear load	80 kg	Maximum assisted speed	25 km/h
Maximum front load	18 kg	Wheels	Front: 24"/Rear: 24"
Total load weight allowed	198 kg	Tyres	KENDA Kwick Drumlin 1.95
		Brakes	180 mm hydraulic disc brakes

## Certificate of conformity

### PRODUCTION INFORMATION

#### DOUZE LT2 B

Frames	Aluminium 6061 T6	Electric motor	BAFANG M500 or M510 250 mid-drive motor
Length	2050 mm	Battery	DLG Lithium-ion 48 V / 14 Ah / 672 Wh
Width	620 mm	Control/display	SIGMA EOX
Weight	1080 mm	Charger	DLG 2 A
Weight	23 kg	Sensors	Pedal torque sensor
Maximum rear load	80 kg	Maximum assisted speed	25 km/h
Maximum front load	18 kg	Wheels	Front: 24"/Rear: 24"
Total load weight allowed	198 kg	Tyres	KENDA Kwick Drumlin 1.95
		Brakes	180 mm hydraulic disc brakes

## Certificate of conformity

### PRODUCTION INFORMATION

DOUZE LT2 S

Frames	Aluminium 6061 T6	Electric motor	SHIMANO EP8 250 W cargo mid-drive motor
Length	2050 mm	Battery	DLG Lithium-ion 36 V/14 Ah/504 Wh
Width	620 mm	Control/display	SHIMANO E5000
Weight	1080 mm	Charger	SHIMANO 1,8 A
Weight	23 kg	Maximum assisted speed	25 km/h
Maximum rear load	80 kg	Wheels	Front: 24"/Rear: 24"
Maximum front load	18 kg	Tyres	SCHWALBE Big Ben Plus 2.15
Total load weight allowed	198 kg	Brakes	180 mm hydraulic disc brakes

## EC conformity declaration 2022

### Manufacturer

Douze Factory S.A.S.U.  
4, Rue des Trois Noyers  
FR-21550 Ladoix-Serrigny, France  
Tel.: +33 9.72.47.41.15



Declares that the following products:

Product names

DOUZE Cycles LT M cargo bike  
DOUZE Cycles LT1 cargo bike with 250 W rear wheel motor  
DOUZE Cycles LT2 B cargo bike with BAFANG mid-drive motors  
DOUZE Cycles LT2 S cargo bike with SHIMANO mid-drive moto

Comply with the applicable requirements of the following directives:

**Machinery Directive (2006/42/EC)**

**Electromagnetic Compatibility Directive (2014/30/EU)**

**Low Voltage Directive (2014/35/EU)**

The following standards are applied:

- NF EN ISO 4210** Cycles - Safety requirements for bicycles
- NF EN 15194** Cycles - Electrically power assisted cycles - EPAC bicycles
- NF R30-050** Utility cycles
- DIN 79010** Cycles - Transport and utility bicycles - Requirements and test methods for general purpose bicycles with high loads

### Technical documentation

Douze Factory S.A.S.U.  
4, Rue des Trois Noyers  
FR-21550 Ladoix-Serrigny  
Tel : +33 9.72.47.41.15  
<http://www.douze-cycles.com/support/>

This declaration applies to all copies and loses its validity for modifications to the product that are not approved by the company Douze Factory.

Ladoix-Serrigny, 1 January 2022

Thomas Coulbeaut  
Douze Factory S.A.S.U.

A handwritten signature in black ink, appearing to be 'Coulbeaut', with a horizontal line underneath.

***douze***  
**C Y C L E S**

[www.douze-cycles.com](http://www.douze-cycles.com)