

MERIDA

Translation of the original operating instructions

EPAC (ELECTRICALLY POWER ASSISTED CYCLES) EN 15194



Read at least pages 6-11 before your first ride!
Perform the functional check on pages 12-14 before every ride!
Observe the chapter "Intended use", the service schedule,
the bike card and the handover report!

Frame:

- 1 Top tube
- 2 Down tube
- 3 Seat tube
- 4 Chainstay
- 5 Rear stay
- 6 Head tube

- a Motor
- b Rechargeable battery
- c Display and control element

Suspension fork:

- I Fork crown
- II Stanchion tube
- III Lower leg
- IV Drop-out



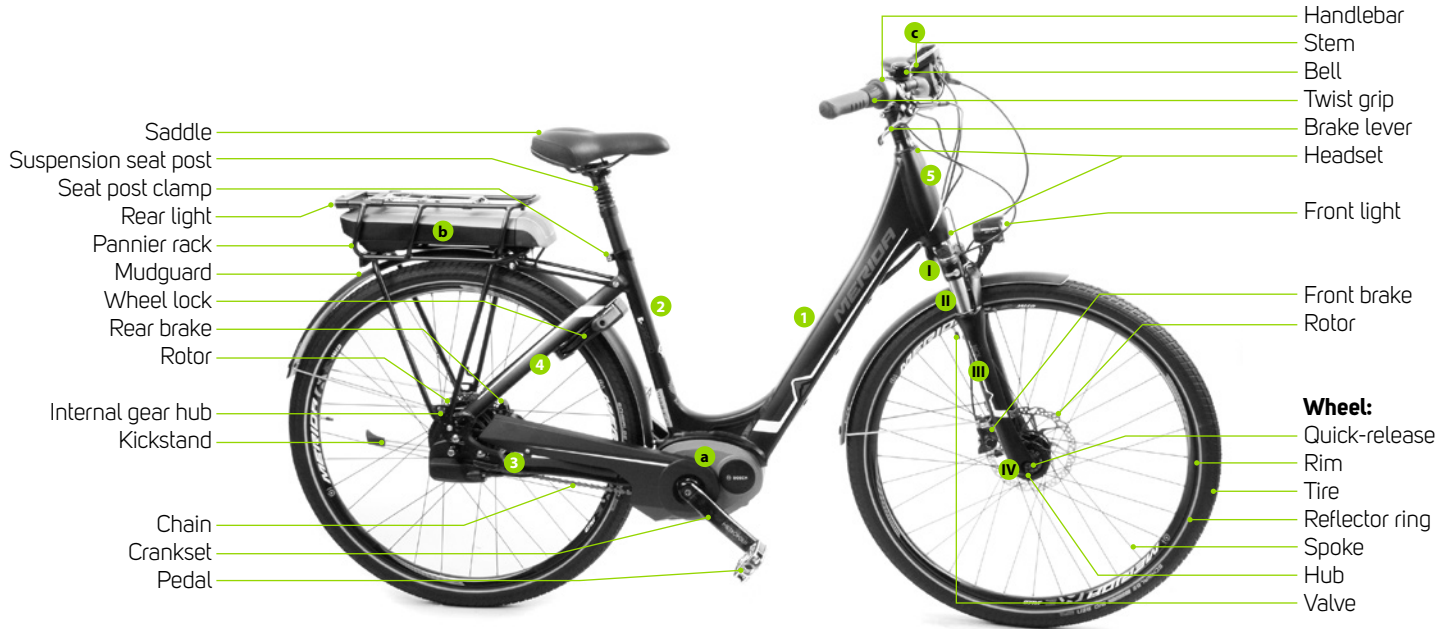
Frame:

- 1 Central tube
- 2 Seat tube
- 3 Chainstay
- 4 Rear stay
- 5 Head tube

- a Motor
- b Rechargeable battery
- c Display and control element

Suspension fork:

- I Fork crown
- II Stanchion tube
- III Lower leg
- IV Drop-out



Wheel:

- Quick-release
- Rim
- Tire
- Reflector ring
- Spoke
- Hub
- Valve

Translation of the original MERIDA operating instructions

The translation of the original MERIDA operating instructions includes the following pedelec types:

Pedelec / speed pedelec / e-bike / EPAC



a



b



c



d



It is essential to also observe the comprehensive MERIDA user manuals, the system instructions of your drive manufacturer and the instructions of the component manufacturers on the enclosed MERIDA CD-ROM. The present translation of the original MERIDA operating instructions is subject to European law. If delivered to countries outside Europe, supplementary information has to be provided by the manufacturer of the MERIDA pedelec, if necessary.



Always keep yourself informed at www.merida-bikes.com

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Technical details in the text and illustrations of this manual are subject to change.

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Some notes on this translation of the original MERIDA operating instructions

The illustrations on the first pages of the translation of the original MERIDA operating instructions show typical MERIDA pedelecs (**e+f**). One of these MERIDA pedelecs looks similar to the MERIDA pedelec you have purchased. Today's pedelecs come in various types that are designed for specific uses and fitted accordingly (**g+h**).

In this translation of the original MERIDA operating instructions pedelecs with drive support and described as EPACs in the European standard EN 15194 are referred to as pedelecs. For a precise description of the different EPAC types see the chapter "Intended use".

In this translation of the original MERIDA operating instructions the term "bicycle" will always be used in general descriptions if this refers to city/trekking, mountain bikes and pedelecs.

Pay particular attention to the following symbols:



This symbol indicates an imminent risk to your life or health unless you comply with the instructions given or take preventive measures.



This symbol warns you of wrongdoings which may result in damage to property and the environment.



This symbol provides you with information about how to handle the product or refers to a passage in the operating instructions that deserves your special attention.

The described possible consequences will not be repeated in this translation of the original MERIDA operating instructions every time one of the symbols appears.

These operating instructions are not intended to help you assemble a MERIDA pedelec from individual components, to repair it or to make a partly assembled MERIDA pedelec ready-for-use.

This translation of the original MERIDA operating instructions is not applicable to any other than the displayed pedelec types.

This translation of the original MERIDA operating instructions together with the enclosed MERIDA CD-ROM complies with the requirements of the European standards EN 14766 for mountain-bicycles, EN 14764 for city and trekking bicycles and EN 15194 for pedelecs.

Also observe the system instructions of the drive manufacturers and the instructions of the component manufacturers, which you can find on the enclosed MERIDA CD-ROM.

General safety instructions

Dear MERIDA customer,

In purchasing this MERIDA pedelec **(a+b)** you have chosen a product of high quality. Each component of your new MERIDA pedelec has been designed, manufactured and assembled with great care and expertise. Your MERIDA dealer gave the pedelec its final assembly and adjustment. This guarantees you pleasure and a sense of confidence from the very first turn of the pedals.

This manual contains a wealth of information on the proper use of your MERIDA pedelec, its maintenance and operation as well as interesting information on bicycle and pedelec design and engineering. Read this translation of the original MERIDA operating instructions thoroughly. We are sure that even if you have been cycling all your life you will find useful and detailed information. Bicycle technology has developed at a rapid pace during recent years **(c+d)**.

Therefore, before setting off on your new MERIDA pedelec, be sure to read at least the chapter "Before your first ride".

To ensure as much fun and safety as possible during cycling, be sure to carry out the functional check described in the chapter "Before every ride" before setting off on your MERIDA pedelec.



a



b



c



d

Even a manual as big as an encyclopedia could not describe any possible combination of bicycle or pedelec models and components or parts on the market. This translation of the original MERIDA operating instructions therefore focuses on your newly purchased MERIDA pedelec and standard components and provides useful information and warnings. In addition to this, the system instructions of your drive manufacturer give important information and warnings on handling your new MERIDA pedelec.

When doing any adjusting and maintenance work, be aware that the detailed instructions provided in your manual only refer to this MERIDA pedelec.

The information included here is not applicable to any other bicycle or pedelec type. As bicycles and pedelecs come in a wide variety of designs with frequent model changes, the routines described may require complementary information. It is essential to also observe the comprehensive MERIDA user manuals as well as the system instructions of your drive manufacturer and the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

Be aware that these instructions may require further explanation, depending on the experience and/or skills of the person doing the work. For some jobs you may require additional (special) tools or supplementary instructions. This manual cannot teach you the skills of a bicycle mechanic.



Please find the comprehensive MERIDA user manuals, the system instructions of your drive manufacturer, the instructions of the component manufacturers and the relevant web links on the MERIDA CD-ROM enclosed with this translation of the original MERIDA operating instructions.

Before you set off, let us point out a few things to you that are very important to every cyclist. Never ride without a properly adjusted helmet **(e)** and without glasses. Make sure to wear suitable, bright clothing, as a minimum you should wear straight cut trousers and or leg bands and shoes fitting the pedal system **(f)**. Always ride carefully on public roads and observe the traffic rules so as not to endanger yourself or others.

This manual cannot teach you how to ride the pedelec. Please be aware that riding a pedelec is a potentially dangerous activity that requires the rider to stay in control of his or her MERIDA pedelec at all times. Be aware from the moment you set off that you ride at a higher speed. If necessary, attend a beginners course for pedelec riders, as already offered here and there.

Like any sport, riding a pedelec involves the risk of injury and damage. When you set off on a pedelec you should be aware and accept this risk. Please note that on a pedelec you have no protection technique around you (e.g. bodywork, ABS, airbag) like you have in a car. Therefore, always ride carefully and respect the other traffic participants.



e



f



g



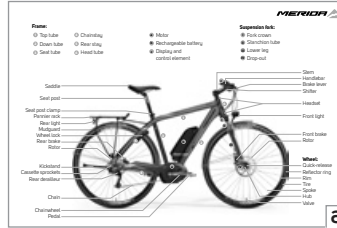
h

Never ride under the influence of drugs, medication, alcohol or when you are tired. Do not ride with a second person on your MERIDA pedelec (except on a tandem) and never ride without having both hands on the handlebars.

Observe the legal regulations concerning off-road cycling and cycling on public roads. These regulations may differ in each country. Respect nature when riding through the forest and in the open countryside. Only use your pedelec on signposted, well maintained trails and hard-surface roads.

Always bear in mind that you travel rapidly and quietly when you are riding a MERIDA pedelec **(g+h)**. Do not startle pedestrians or other cyclists. Always make others aware of your presence well ahead of time and by ringing your bell or make use of the brakes so as to avoid accidents. Familiarize yourself with your MERIDA pedelec. For more information in this regard, read the chapters "Riding a MERIDA pedelec – Special features" and "Riding a MERIDA speed pedelec – Special features".

First we would like to familiarize you with the various components used on your MERIDA pedelec. Please unfold the cover of this translation of the original MERIDA operating instructions **(a)**. Here you will find two MERIDA pedelecs showing all the essential components. Leave the page unfolded as you read. They help you to easily locate the components as they are referred to in the text.



Remove the battery and/or the display before beginning work on your pedelec (e.g. inspection, repair, assembly, maintenance, work on the drive, etc.). In case of unintentional activation of the drive system there is the risk of injury!

For your own safety, never do any maintenance work or adjusting on your pedelec unless you feel absolutely sure about it. If you are in doubt or if you have any questions, contact your MERIDA dealer.

Please note: Do not hitch yourself and your bike to a car. Do not ride freehand. Only take your feet off the pedals, if required by the condition of the road.

MERIDA – MORE BIKE!



Intended use

Keep in mind that every type of pedelec is designed for a specific use. Be sure to use your MERIDA pedelec only according to its intended use, as it may otherwise not withstand the stress, fail and cause an accident with unforeseeable consequences! If you use your pedelec for another than its intended purpose, the warranty will become void.

1. **Pedelecs (pedal electric cycles) or EPACs (Electrically Power Assisted Cycles)** are bicycles with an auxiliary motor that only switches on when you move the pedals. When you stop pedaling, the motor switches off.

A driving license is not required for riding a MERIDA pedelec **(b+c)**, if the motor assistance switches off automatically at a speed of 25 kmh. You do not need an operating license and need not insure the pedelec either.

In general, all regulations that apply to bicycles also apply to MERIDA pedelecs. Inform yourself in the country where you use your MERIDA pedelec whether wearing a helmet is compulsory **(d)** or not. In Australia you are obliged to wear a helmet when riding a pedelec.

Please make sure you do not confuse your MERIDA pedelec with a "MERIDA speed pedelec" (see item 2.).

Most MERIDA pedelecs are designed for cycling exclusively on lanes and roads with a smooth surface **(e)**. Only use trails that are allowed for bicycles. For off-road use only MERIDA off-road pedelecs are suitable. Using MERIDA trekking pedelecs off-road can result in crashes with unforeseeable consequences.



e

Some MERIDA pedelecs have a pushing aid **(f)** which provides assistance during pushing, even without pedaling, up to a speed of 6 kmh.



f

Your MERIDA pedelec is designed for a maximum overall weight including rider, baggage and MERIDA pedelec. The overall weight is **140 kg**.

- Speed pedelecs** are bicycles with auxiliary motor which provide assistance to the rider even beyond a speed of 25 kmh, as long as you continue pedaling. Without pedaling a MERIDA speed pedelec provides assistance to a maximum speed of 20 kmh.

MERIDA speed pedelecs are regarded as motor vehicles, have an operating license or EU type approval, and are therefore subject to strict regulations relating to the replacement of components **(g)** and to changes.



g

Please check in the country where you use your MERIDA speed pedelec whether you require a moped license or a driving license for motor vehicles. Inform yourself at your driving license agency.



h

Inform yourself in the country where you use your MERIDA speed pedelec about the regulations on the use of speed pedelecs on cycle lanes in built-up areas, on lanes which are marked with a road sign allowing access for mopeds, on cycling one-way streets in the opposite direction, even when they are allowed to bikes, and on the use of roads which are closed for motor vehicles, motor cycles and mopeds.

When riding a MERIDA speed pedelec wearing a helmet is compulsory. A standard cycling helmet **(h)** will do. Also read the chapter "Riding a MERIDA speed pedelec – Special features".

Most of the MERIDA speed pedelecs are designed for cycling exclusively on lanes and roads with a smooth surface. Only use trails that are allowed for speed pedelecs / e-bikes. Typical MERIDA speed pedelecs are generally not suitable for off-road use. Using MERIDA speed pedelecs off-road can result in crashes with unforeseeable consequences.

Your MERIDA speed pedelec is designed for a maximum overall weight including rider, baggage and MERIDA speed pedelec. The overall weight is **140 kg**.



Please note that there are different types of pedelecs and e-bikes which are subject to different legal framework conditions. Check the class and/or category of your MERIDA pedelec or MERIDA e-bike in the bike card. Keep the specific regulations in mind when riding on public roads and through the landscape.



The regulations and rules for pedelecs and speed pedelecs are being revised permanently. Read the daily press to keep you informed about current legislative changes.



It is essential to also observe the system instructions of your drive manufacturer as well as the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



For more information about the intended use of your MERIDA pedelec or MERIDA speed pedelec as well as the permitted overall weight (rider, MERIDA pedelec and baggage) see the bike card and the chapter "Before your first ride".



For more information on the approval of using trailers and child carriers on your MERIDA pedelec, have a look at the bike card.



Keep this translation of the original MERIDA operating instructions for future reference and hand it over to the respective user, in case you sell, lend or pass on the MERIDA pedelec or MERIDA speed pedelec otherwise.



Make sure to observe the category your MERIDA bike belongs to. The category indicates the surfaces for which your MERIDA bike is designed to be used on and the riding manoeuvres for which your MERIDA bike is suitable. The categories are described in chapter "Intended use" in your comprehensive MERIDA user manual on the enclosed MERIDA CD-ROM as well as in the bike card.

Before your first ride

1. If you want to use your pedelec on public roads, it has to comply with legal requirements. These requirements may vary in each country. The fittings of your MERIDA pedelec are, therefore, not necessarily complete **(a)**.

Ask your MERIDA dealer concerning the laws and regulations applicable in your country or in the country you intend to use your MERIDA pedelec. Have your MERIDA pedelec equipped accordingly, before using it on public roads.

For more information see the chapter "Legal requirements for riding on public roads" of your comprehensive MERIDA user manual on the enclosed MERIDA CD-ROM.

2. The rechargeable battery of your MERIDA pedelec must be charged before you set off for the first time **(b)**. Are you familiar with the handling and mounting of the rechargeable battery? Before you set off for the first time, check whether the battery is properly mounted, that it has engaged audibly and that it is locked.

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

3. The functions of your MERIDA pedelec are operated with the buttons on the drive HMI **(e)** or on the command console. Are you familiar with all functions and displays? Check whether you know the functions of all buttons on the drive HMI or on the command console.

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

4. Your MERIDA pedelec has a pushing aid **(f)**. The pushing aid provides assistance during pushing your MERIDA pedelec. Are you familiar with the pushing aid?

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

5. Are you familiar with the brake system? Have a look at the bike card and check whether the brake lever of the front brake is on the side you are used to (right or left) **(g)**. If it is not, ask your MERIDA dealer to switch the brake levers before you set off for the first time.

Your new pedelec is equipped with modern brakes which may be far more powerful than those you were used to so far. Be sure to first practice using the brakes on a level, non-slip surface off public roads! Slowly approach higher brake performances and speeds.



For more information see the chapter “The brake system” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

6. Are you familiar with the type and functioning of the gears **(h)**? Ask your MERIDA dealer to explain you the gear system and make yourself familiar with your new gears in an area free of traffic, if necessary.

For more information see the chapter “The gears” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

7. Are saddle and handlebars properly adjusted? The saddle should be set to a height from which you can just reach the pedal in its lowest position with your heel. Check whether your toes reach to the floor when you are sitting on the saddle. Your MERIDA dealer will be pleased to help you, if you are not happy with your seating position.

For more information see the chapter “Adjusting the MERIDA bike to the rider” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

8. If your MERIDA pedelec is equipped with clipless or step-in **(a)** pedals: Have you ever tried the shoes they go with? First practice locking one shoe onto a pedal and disengaging it while standing on the other leg. Ask your MERIDA dealer to explain you the pedals.



a

For more information see the chapter "The pedals and the shoes" in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

9. If you have bought a MERIDA pedelec with suspension **(b+c)**, you should ask your MERIDA dealer to adjust the suspension mechanism to your needs before delivery. Improperly adjusted suspension components are liable to malfunction or damage. In any case they will impair the performance of your pedelec as well as your safety and joy whilst riding.



b

For more information see the chapters "Suspension forks", "Rear shocks" and "Suspension seat posts" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



c



d



Be aware that the distance you need to stop your bike increases, when you are riding with your hands on bar ends **(d)** or on multi-position handlebars. The brake levers are not always within easy reach.



Be sure to use your MERIDA pedelec only for its intended purpose, as it may otherwise not withstand the stress and fail. Risk of an accident!



When mounting your MERIDA pedelec, make sure not to step on the pedals until you sit in the saddle and grip the handlebars tightly, and that one pedal is at the lowest position when you get on. The motor assistance might switch on suddenly and result in an uncontrolled start of your MERIDA pedelec. Risk of an accident!



Pay particular attention to the fact that there is enough clearance between your crotch and the top tube so that you do not hurt yourself when you have to get off your pedelec quickly.



Note that both braking effect and tire grip can be reduced drastically in wet conditions. Look well ahead when riding on wet roads and go well below the speed you would ride at in dry conditions.



A lack of practice when using clipless pedals or too much spring tension in the mechanism can lead to a very firm connection, from which you cannot quickly step out! Risk of an accident!



Pulling the brake lever of the rear brake stops the motor (e). Emergency stop!



In case you had a crash with your MERIDA pedelec, perform at least the check described in the chapter "After an accident". Ride back very carefully by taking the shortest route possible, even if your MERIDA pedelec went through this check without any problems. Do not accelerate or brake hard and do not ride your pedelec out of the saddle. If you are in doubt, have yourself picked up by car, instead of taking any risk. Back home you need to check once again your MERIDA pedelec thoroughly. If you are in doubt or if you have any questions, contact your MERIDA dealer!



We recommend that you charge your battery only during the day and only in dry rooms which have a smoke or a fire detector; but not in your bedroom. Place the battery on a big, non-inflammable plate made of ceramics or glass (f) during the charging process! Unplug the battery once it has been charged up.



Charge your battery only with the supplied charger (g). Do not use the charger of any other manufacturer, not even when the connector of the charger matches your rechargeable battery. The rechargeable battery can heat up, catch fire or even explode!



e



f



g



h



Do not park your MERIDA pedelec in the blazing sun.



The weight distribution on your MERIDA pedelec differs markedly from the weight distribution on bicycles without drive assistance. A MERIDA pedelec is markedly heavier than a MERIDA bike without drive assistance. For this reason parking, pushing, lifting and carrying the MERIDA pedelec is more difficult. Bear this in mind when loading your pedelec into a car and unloading it or when mounting it on a bicycle carrier system.



Be aware that the brakes of your MERIDA pedelec are always more effective than the drive. If you face any problems with your drive (e.g. because it pushes you forward in front of a bend), slow down your MERIDA pedelec carefully.



Before towing a trailer (h) with your MERIDA pedelec contact your MERIDA dealer.



Before mounting a child seat, have a look at the bike card and contact your MERIDA dealer.



Please note that not all MERIDA pedelecs are fitted with kickstands. Therefore, when parking your MERIDA pedelec, make sure it stands safe and secure and is not at risk of toppling over or being knocked over. If your MERIDA pedelec topples over, it can suffer from damage.

Before every ride

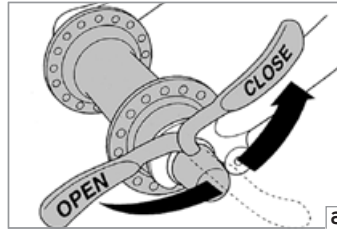
Your MERIDA pedelec has undergone numerous tests during production and a final check has been carried out by your MERIDA dealer. Nevertheless, be sure to check the following points to exclude any malfunctioning that may be due to the transport of your MERIDA pedelec or to changes a third person may have performed on your MERIDA pedelec before every ride:

1. Are the quick-release levers **(a)**, thru-axles or nuts of the front and rear wheel, the seat post and other components properly closed?

For more information see the chapter "How to use quick-releases and thru axles" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

2. Are the connections of the rechargeable battery, the drive HMI or the command console and the drive **(b)** correctly plugged?

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.



3. Is your battery fully charged? Remember to fully recharge the battery after each longer ride (e.g. less than 50% charged). Modern lithium-ion batteries have no memory effect. However, it does not matter if your MERIDA pedelec is left as it is for a short time (e.g. overnight) when less than 50% charged. However, you should not wait until the battery is fully discharged!

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

4. Do the display on the drive HMI **(c)** and the cycle computer on the handlebars show all the values? Is there any error message or warning on the display? Check the values are correct before every ride. Do not set off on your MERIDA pedelec under any circumstances if the control element shows a warning.

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

5. Is the battery tight in its holder and the lock properly locked up **(d)**? Never set off with a loose and unlocked battery.

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

- Are the tires in good condition and do they have sufficient pressure **(e)**? Note that a pedelec weighs more and that your usual tire pressure may be insufficient. A higher pressure gives a better riding stability and reduces the risk of a puncture. The minimum and maximum pressure (in bar or PSI) is indicated on the tire side.



e

For more information see the chapter “The wheels and the tires” in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

- Spin the wheels to check whether the rims are true. If you have disc brakes, watch the gap between frame and rim or tire and, if you have rim brakes, between brake pad and rim. Untrue rims can be an indication of tires with ruptured sides, broken axles or spokes.



f

For more information see the chapter “The wheels and the tires” in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

- Test the brakes when stationary by firmly pulling the brake levers towards the handlebars **(f)**. The brake pads of rim brakes must hit the rim evenly with their entire surface without touching the tire during braking or in open condition or in between.



g



h

Make sure you cannot pull the brake levers all the way to the handlebars and check the hydraulic brake cables for leaks! Check the thickness of the brake pads, as well.

With disc brakes you should have a stable pressure point at once. If you have to actuate the brake lever more than once to get a positive braking response, have the MERIDA pedelec checked by your MERIDA dealer immediately.

For more information see the chapter “The brake system” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

- Let your MERIDA pedelec bounce on the ground from a small height. If there is any rattling, see where it comes from. Check the bearings, the bolts and the proper seat of the battery, if necessary.
- If you want to ride on public roads, make sure your MERIDA pedelec is equipped according to the applicable regulations of your country **(g)**. Riding without lights and reflectors **(h)** in dark or dim conditions is very dangerous because you will be seen too late or not at all by other road users.

A lighting set that corresponds to the regulations is a must on public roads. Turn on the lights as soon as dusk sets in.

For more information see the chapter "Legal requirements for riding on public roads" of your comprehensive MERIDA user manual on the enclosed MERIDA CD-ROM.

- In case you have a MERIDA pedelec with suspension, press down on your MERIDA pedelec and see whether the spring elements retract and extend as usual **(a)**.

For more information see the chapters "Suspension forks", "Rear shocks" and "Suspension seat posts" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

- If your bike has a kickstand, make sure it is fully raised **(b)** before you set off. Risk of an accident!
- Do not forget to take a high quality D- or chain lock **(c)** with you on your ride. The only way to effectively protect your MERIDA pedelec against theft is to lock it to an immovable object. It is also recommended to always remove the rechargeable battery, the drive HMI or the command control or the display from the MERIDA pedelec.



Improperly closed fastenings, e.g. quick-releases, can cause parts of your MERIDA pedelec to come loose. This can result in a serious accident!



Be aware that the distance you need to stop your pedelec increases, when you are riding with your hands on bar ends or on multi-position handlebars. The brake levers are not always within easy reach.



Do not use your MERIDA pedelec, if it fails on one these points! Riding a defective MERIDA pedelec can result in serious accidents! If you are in doubt or if you have any questions, contact your MERIDA dealer.



During use your MERIDA pedelec is undergoing stress resulting from the surface of the road and from the rider's action. Due to these dynamic loads, the different parts of your pedelec react with wear and fatigue. Please check your MERIDA pedelec regularly for wear marks, scratches, deformations, color changes and any indication of cracking **(d)**. Components which have reached the end of their service life may break without previous warning. Let your MERIDA dealer maintain and service your MERIDA pedelec regularly. In cases of doubt it is always best to replace components.

After an accident

1. Check the rechargeable battery **(e+f)**. If the rechargeable battery is no longer properly in its holder or shows any damage, do not use your MERIDA pedelec any longer, at least not in the assistance mode. Switch off the drive and the rechargeable battery separately, if necessary. A damaged battery can lead to a short-circuit resulting in a sudden failure of the MERIDA pedelec assistance right at the moment when you need it.

Damage to the outer housing of the rechargeable battery can result in water or moisture entry which can lead to short circuits or electric shocks. The rechargeable battery may catch fire or even explode! In such a case, contact your MERIDA dealer immediately.

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

2. Check that all values are displayed properly and fully on the drive HMI **(g)** or the display. Do not use your MERIDA pedelec, if the drive HMI shows an error message or a warning. In the case of critical errors the system switches off automatically. In the case of non-critical errors the system may be still operable.



Do not set off on your MERIDA pedelec when the drive HMI or the display shows a warning. In such a case, contact your MERIDA dealer immediately.

For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

3. Let your MERIDA pedelec bounce on the ground from a small height. If there is any rattling, see where it comes from. Check the bearings, the bolts and the proper seat of the battery, if necessary.
4. Check whether the wheels are still firmly fixed in the drop-outs **(h)** and whether the rims are still centered with respect to the frame or fork. Spin the wheels and observe the gap either between brake pads and rim sides or between frame and tire. If the width of the gap changes markedly and you have no way to true the rim where you are, you will need to open the rim brake a little by means of the special mechanism so that the rim can run between the brake pads without touching them. Please note that in this case the brakes may not act as powerfully as you are used to.

No matter whether you have rim or disc brakes, have the wheels trued by your MERIDA dealer immediately after you are back home.

For more information see the chapters “The brake system”, “How to use quick-releases and thru axles” and “The wheels and the tires” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

5. Check that handlebars and stem are neither bent nor broken and that they are level and upright. Make sure the stem is firmly fixed on the fork by trying to turn the handlebars relative to the front wheel **(a)**. Briefly lean on the brake levers to make sure the handlebars are firmly fixed in the stem.

Realign the components, if necessary, and gently tighten the bolts to ensure a reliable clamping of the components **(b)**. The maximum torque values are printed directly on the components or specified in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

For more information see the chapters “Adjusting the MERIDA bike to the rider” and “The headset” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



6. Check whether the chain still runs on the chainwheels and the sprockets. If your MERIDA pedelec fell over to the chain side, verify the proper functioning of the gears. Ask somebody to lift your MERIDA pedelec by the saddle and carefully shift through all the gears. Pay particular attention when switching to the small gears, making sure the rear derailleur does not get too close to the spokes as the chain climbs onto the larger sprockets **(c+d)**.

If the rear derailleur or the drop-outs/derailleur hanger is bent, the rear derailleur may collide with the spokes. This in turn can destroy the rear derailleur, the rear wheel or the frame.

For more information see the chapter “The gears” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

7. Make sure the saddle is not twisted by using the top tube **(e)** or the bottom bracket shell as a reference. If necessary, open the clamping, realign the saddle and retighten the clamping.

For more information see the chapters “Adjusting the MERIDA bike to the rider” and “How to use quick-releases and thru axles” in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

8. Finally, take a good look at the whole MERIDA pedelec **(f)** to detect any deformations, color changes or cracks **(g)**.

Ride back very carefully by taking the shortest route possible, even if your MERIDA pedelec went through this check without any problems. Do not accelerate or brake hard and do not ride your pedelec out of the saddle. If you are in doubt about the performance of your MERIDA pedelec, have yourself picked up by car instead of taking any risk.

Back home you need to check your MERIDA pedelec thoroughly. Damaged parts must be repaired or replaced. Ask your MERIDA dealer for advice.



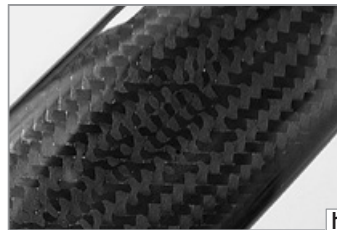
e



f



g



h



Deformed components, especially components made of aluminum, can break without previous warning. They must not be repaired, i.e. straightened, as this will not reduce the imminent risk of breakage. This applies in particular to the fork, the handlebars, the stem, the cranks, the seat post and the pedals. When in doubt, it is always the better choice for your safety to have these parts replaced. Ask your MERIDA dealer for advice.



If your MERIDA pedelec is assembled with carbon components **(h)**, it is imperative that you have it checked by your MERIDA dealer after an accident or similar incident. Carbon is extremely strong and durable with very low weight, making it perfect for the production of high-performance parts. However, one of the inherent properties of carbon is that possible overstress may compromise the inner carbon-fiber structure without showing any visible deformation, as is the case with steel or aluminum. A damaged component can fail without previous warning. Risk of an accident!



After an accident or after your MERIDA pedelec has toppled over, make it a rule to check the functioning and in particular the limit stop of the rear derailleur.



For more information about carbon components see the chapter “Special characteristics of carbon” in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

How to use quick-releases and thru axles

Quick-releases

Most MERIDA pedelecs and MERIDA speed pedelecs are fitted with quick-releases **(a)** to ensure fast adjustments, assembly and disassembly. Be sure to check whether all quick-releases are tight before you set off on your MERIDA pedelec. Quick-releases should be handled with greatest care, as they affect your safety directly.

Practice the proper use of quick-releases to avoid any accidents.

Quick-release mechanisms essentially consist of two operative elements:

1. The hand lever **(b)** on one side of the hub which creates a clamping force via a cam when you close it.
2. The tightening nut **(c)** on the other side of the hub with which the preload on the threaded rod (quick-release axle) is set.



Do not touch the brake disc directly after having stopped, e.g. after a long down-hill ride, you may burn your fingers! Always let the brake disc cool down before opening the quick-release.



Make sure the levers of both wheel quick-releases are always on the side opposite to the chain. This will help you to avoid mounting the front wheel accidentally the wrong way round. In the case of MERIDA pedelecs with disc brakes and quick-releases having a 5-mm axle, it may be reasonable to mount both quick-releases with the lever on the side of the chain drive. This helps you not to come into contact with the hot brake disc and prevents you from having your fingers burnt. If you are in doubt or if you have any questions, contact your MERIDA dealer.



Never ride your MERIDA pedelec without having checked first, whether the wheels are securely fastened **(d)**. With an insufficiently closed quick-release the wheel can come loose, thus creating a serious risk of accident!



If your MERIDA pedelec is equipped with quick-releases, be sure to lock the frame to an immovable object together with the wheels when you leave it outside.

How to fasten components securely with a quick-release

Open the quick-release. You should now be able to read "Open" **(e)** on the lever. Make sure the component to be fastened is in the accurate position.

For more information see the chapters "Adjusting the MERIDA bike to the rider" and "The wheels and the tires" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

Move the lever back, as if to close it. Now you should be able to read "Close" **(f)** on the outside of the lever. When you start closing the lever you should feel virtually no resistance with your hand until the lever is at a right angle to the frame/fork.

When continuing to close the lever the resistance you feel should increase significantly and towards the end even more strength is required to close the lever. Use the ball of your thumb while your fingers pull on an immovable part, such as the fork **(g)** or a rear stay, but not on a brake disc or spoke, to push it in all the way.

In its end position, the lever should be at a right angle to the quick-release axle **(h)**, i.e. it should not stick out. The lever should lie close to the frame or the fork so that it cannot be opened accidentally. Make sure, however, that the lever is easy to handle for actual quick use.



To check whether the lever is securely locked apply pressure to the end of the hand lever and try to turn it while it is closed. If you can turn the lever around, open it and increase the preload. Screw the tightening nut on the opposite side clockwise by half a turn. Close the quick-release lever and check it again for tightness.

Finally lift the pedelec a few centimeters, so that the wheel no longer touches the ground, and hit the tire from above. If it is properly fastened, the wheel will remain firmly fixed in the drop-outs of the frame or fork without producing any rattling.

If your seat post is equipped with a quick-release mechanism, check whether the saddle is firmly fixed by trying to twist it relative to the frame.



To be on the safe side you can replace the quick-releases by special locks. They can only be opened and closed with a special, coded key or an Allen key. If you are in doubt or if you have any questions, contact your MERIDA dealer.

Thru axles

Thru axles are mounted when MERIDA pedelecs are exposed to high loads, i.e. when riding cross-country, all mountain and enduro. They provide both the suspension fork and the rear shock with adequate stiffness.

Useful information for mounting wheels with thru axles

There is a wide range of thru-axle systems available now (a-d). Some systems are tightened with quick-releases. Other systems may require special tools for assembly or disassembly.

If you are in doubt or if you have any questions, contact your MERIDA dealer.



Improperly mounted wheels may throw you off your pedelec or result in serious accidents! Ask your MERIDA dealer to show you how to handle the thru-axle type you have.



Check the fixing after the first one to two hours of use and subsequently every 20 hours of use.



To mount the axle only use the tools recommended by the manufacturer. Use a torque wrench whenever possible. Tighten carefully by approaching the prescribed maximum torque value in small steps (0.5 Nm increments) and check in between the proper fit of the component. Never exceed the maximum torque value indicated by the manufacturer! A too tight fixing of the axle can damage the axle or the fork leg.



Be sure to read in any case the chapter "How to use quick-releases and thru axles" in your comprehensive MERIDA user manual and in the instructions of the suspension fork, thru axle and wheel manufacturers on the enclosed MERIDA CD-ROM before removing the wheel or doing any maintenance work and mounting a fork/wheel combination with thru-axle system.

Adjusting the MERIDA bike to the rider

Your body height and proportions are decisive for the frame size of your MERIDA pedelec. Pay particular attention to the fact that there is enough clearance between your crotch and the top tube so that you do not hurt yourself when you have to get off your pedelec quickly.

By choosing a specific type of pedelec you roughly determine the posture you will be riding in **(e+f)**. However, some components of your MERIDA pedelec are especially designed so that you can adjust them to your body proportions up to a certain degree. This includes the seat post, the handlebars and the stem as well as the brake grips or brake levers/shifters.

As all works require know-how, experience, suitable tools and skills, you should restrict yourself to adjusting your seating position. Contact your MERIDA dealer, if you are not happy with your seating position or if you want something changed. They will see to your wishes the next time you leave your MERIDA pedelec at the workshop, e.g. for the first inspection.

After any adjustment/assembly work, be sure to make a short functional check as described in the chapter "Before every ride" and do a test ride on your MERIDA pedelec in an area free of traffic.



If you have a very small frame, there may be the danger of your foot colliding with the front wheel. Therefore, make sure your cleats are properly adjusted.



All tasks described in the following require the know-how of a mechanic and appropriate tools. Make it a rule to tighten the bolted connections always with greatest attention. Increase the torque values bit by bit and check the fit of the component in between. Use a torque wrench and never exceed the maximum torque values! The torque values are given in the chapter "Recommended torque settings" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual, directly on the components and/or in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



The seating position depends highly on how you want to use the MERIDA pedelec **(g+h)**. Ask your MERIDA dealer or your trainer for help. The advice given below is suitable for typical city, trekking and cross-country/marathon bikes.



If sitting on the saddle causes you trouble, e.g. because it numbs your crotch, this may be due to the saddle. Your MERIDA dealer has a very wide range of saddles available and will be pleased to advise you.

Adjusting the saddle to the correct height

The correct saddle height depends on the length of your legs. When pedaling, the ball of your foot should be positioned above the center of the pedal axle. With your feet in this position you should not be able to stretch your legs completely straight at the lowest point, otherwise your pedaling will become awkward **(a)**.

Check the height of your saddle with flat-soled shoes. This is best done with suitable cycling shoes.

Sit on the saddle and put your heel on the pedal at its lowest point. Your leg should be fully stretched and your hips should remain horizontal.

To adjust the saddle height loosen the quick-release lever (see chapter “How to use quick-releases and thru axles”) or the binder bolt of the seat post clamp at the top of the seat tube **(b)**. The latter requires suitable tools, e.g. an Allen key, with which you turn the bolt two to three turns counterclockwise. Now you can perform the vertical adjustment of the seat post.

Be sure not to pull out the seat post too far – the mark on the seat post (end, max., min., stop or the like) should always remain within the seat tube **(c)** – and always grease the part of an aluminum or titanium seat post that is inserted into a seat tube made of aluminum, titanium or steel. Do not grease carbon seat posts and/or carbon seat tubes in the clamping area! Use special carbon assembly paste instead.



Align the saddle with the frame by using the saddle nose and the bottom bracket or top tube as a reference point.

Clamp the seat post tight again by closing the quick-release **(d)**, as described in the chapter “How to use quick-releases and thru axles” or by turning the seat post binder bolts clockwise in half turns. You should not need much strength in your hands to clamp the seat post sufficiently tight. Otherwise the seat post does not match the frame.

Verify in between that the seat post is sufficiently tight by taking hold of the saddle at both ends and then trying to rotate the seat post inside the seat tube. If it does rotate, gently retighten the binder bolt of the seat post clamp by half a turn and do the check again.

Does the leg stretch test now produce the correct result? Check by moving your foot and pedal to the lowest point. When the ball of your foot is exactly above the pedal center in the ideal pedaling position, your knee should be slightly bent. If yes, the saddle height is adjusted to the correct height.

Check whether you can touch the ground safely while sitting on the saddle by stretching your feet to the floor. If not, you should lower the saddle until you can, at least to begin with.



When riding steep downhill courses on your mountain bike pedelec, a lower saddle height is often better for some riding maneuvers. This allows a better control of the MERIDA pedelec.



Never apply grease or oil into a seat tube of a frame made of carbon unless an alloy sleeve is inside the frame. If you mount a carbon seat post, do not put any grease on it, even if the frame is made of metal. Once greased, carbon components may never again ensure reliable clamping! Use special carbon assembly paste instead.



Make sure not to overtighten the binder bolt of the seat post clamp (e). Otherwise you may damage the seat post or the frame. Risk of an accident!



Never ride your bike with the seat post drawn out beyond the limit, maximum or stop mark (f)! The seat post might break or cause severe damage to the frame. In the case of frames with seat tubes that extend beyond the top of the frame's top tube the seat post should be inserted into the seat tube at least below the bottom of the top tube and below the top of the rear stays! If seat post and frame require different minimum insertion depths, you should opt for the deeper insertion depth.



If the seat post does not move easily inside the seat tube or if it cannot be tightened sufficiently, ask your MERIDA dealer for advice. Do not use brute force!



Tighten carefully by approaching the prescribed maximum torque value in small steps (0.5 Nm increments) and check in between the proper fit of the component. Never exceed the maximum torque value indicated by the manufacturer!



If your MERIDA pedelec has a Vario seat post (g), you can find more information in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

Adjusting the height of the handlebars

The height of the handlebars compared to the saddle and the distance between saddle and handlebars determine how much your upper body will be inclined forward (h). Lowering the handlebars gives you a streamlined position and brings more weight to bear on the front wheel. However, it also entails an extremely forward leaning posture which is tiring and less comfortable, because it increases the strain on your wrists, arms, back, upper body and neck.

There are three different stem systems that allow vertical adjustment of the handlebars, i.e. **the conventional, the adjustable and the Aheadset®-stem**. These systems require special knowledge. In this regard, the descriptions hereafter may be incomplete.

If you are in doubt or if you have any questions, contact your MERIDA dealer.



The stem (a) is one of the load-bearing parts of your MERIDA pedelec. Changes to it can impair your safety. If you are in doubt or if you have any questions, contact your MERIDA dealer!



These routines require a certain amount of manual skill and (special) tools. Ask your MERIDA dealer to explain you both function and adjustment of your stem or let him do that work.



The bolted connections of stem and handlebars have to be tightened to the prescribed torque values. If you disregard the prescribed values, the handlebars or stem may come loose or break. Use a torque wrench (b) and never exceed the maximum torque values! The torque values are given in the chapter "Recommended torque settings" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual, directly on the components and/or in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



a



b



c



d



Stems come in varying lengths (c) as well as shaft and binder tube diameters (d). A stem of inappropriate dimension can become a source of danger: Handlebars or stems can break, resulting in an accident. When replacing any parts, be sure to only use parts that bear the appropriate mark and, to be on the safe side, original spare parts. Your MERIDA dealer will be pleased to help you.



Make sure the handlebar/stem combination is approved by the handlebar and/or stem manufacturer.



Make sure the handlebar clamping area is free of sharp edges.

Conventional stems

Handlebars with conventional stems allow limited vertical adjustment. This is done by moving the stem up or down inside the fork steerer tube (e).

Ask your MERIDA dealer to explain you both function and adjustment of your stem or, still better, let him do that work.

For more information see the chapter "Adjusting the height of the handlebars" in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Never ride a MERIDA pedelec with a stem that has been drawn out beyond the mark for the maximum permissible height! Check all bolted connections and test your brakes before you set off!



Never try to unscrew the top race of the headset when you only want to adjust the stem, as you will otherwise alter the bearing play!

Adjustable stems

There are various solutions for adjusting the tilt of the front part of adjustable stems:

Some designs use bolts on the sides of the joint **(f)**, others have bolts coming from above or below, and others again are equipped with additional locking mechanisms or adjusting bolts.

Ask your MERIDA dealer to explain you both function and adjustment of your stem or, still better, let him do that work.

For more information see the chapter "Adjusting the height of the handlebars" in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Stems for threadless systems, the Aheadset®-system

In the case of MERIDA pedelecs with Aheadset®-headsets the stem also serves to adjust the bearing preload. If you change the position of the stem you have to readjust the bearing play (see the chapter "The headset" in your comprehensive MERIDA user manual and in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM).

The vertical setting range is determined by the intermediate rings, also referred to as spacers **(g)**. In the case of flip-flop stem models **(h)** the stem can be mounted the other way round to achieve a different handlebar height.

Ask your MERIDA dealer to explain you both function and adjustment of your stem or, still better, let him do that work.



In the case of turned stems, it is possible that the cables are too short. In this case riding can be unsafe. If in doubt, ask your MERIDA dealer.



When removing spacers the fork steerer tube must be shortened. This change is irreversible. The shortening should be carried out by your MERIDA dealer, but only after you have found your preferred position.



Keep in mind that readjusting the position of the stem changes the position of handlebars, brake levers and shifters. Readjust these components, as described in the chapter "Adjusting the tilt of the handlebars and the brake levers".

Correcting the fore-to-aft position and horizontal tilt of the saddle

The inclination of your upper body **(a)**, and hence your riding comfort and pedaling power, are also influenced by the distance between the grips of the handlebars and the saddle. This distance can be altered slightly by changing the position of the saddle rails in the seat post clamp. However, this also influences your pedaling. Whether the saddle is positioned more to the front or to the back of the pedelec will alter how rearward the pedaling position of your legs is.

You need to have the saddle horizontal in order to pedal in a relaxed manner. If it is tilted, you will constantly have to lean against the handlebars to prevent yourself from slipping off the saddle.



The bolted connections of the seat post have to be tightened to the prescribed torque value. Use a torque wrench and never exceed the maximum torque values! The torque values are given in the chapter "Recommended torque settings" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual, directly on the components and/or in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



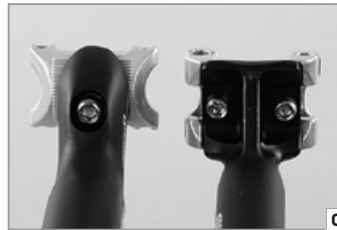
Make sure the saddle is clamped within the range of the marking **(b)** on the saddle rail. Otherwise the saddle rail can fail! Check the bolts by using a torque wrench once a month according to the prescribed values.



a



b



c



d



The setting range of the saddle is very small. Replacing the stem allows you to make far bigger adjustments to the rider's fore-to-aft position, as stems come in different lengths. In doing so, you may achieve differences of more than ten centimeters. In this case you usually would have to adjust the lengths of the cables – a job best left to your MERIDA dealer!



The manufacturers of saddles deliver their products with detailed instructions. You find these instructions on the enclosed MERIDA CD-ROM. Read them carefully before adjusting the position of your saddle. If you are in doubt or if you have any questions, contact your MERIDA dealer.

Adjusting saddle position and tilt

With **patent seat posts (c)** one central Allen bolt secures the clamping mechanism, which controls the tilt and the horizontal position of the saddle. Some seat posts have two bolts side-by-side.

Release the bolt(s) at the top of the seat post. Release the bolt(s) two to three turns counterclockwise at the most, otherwise the whole assembly can come apart. Move the saddle forth or back, as desired. You may have to give the saddle a light blow to make it move. Please observe the markings on the saddle rail.

Make sure the seat of the saddle remains horizontal **(d)** as you retighten the bolt(s). Your MERIDA pedelec should stand on level ground while you adjust the saddle.

Having found your preferred position, make sure both clamp halves fit snugly around the saddle rails before tightening the bolt(s) to the correct torque value as prescribed by the seat post manufacturer.

Retighten the bolt(s) with a torque wrench according to the instructions of the manufacturer. After fastening the saddle, check whether it resists tilting by bringing your weight to bear on it once with your hands at either end of the saddle.



Check the bolts by using a torque wrench (e) once a month according to the values indicated directly on the components and/or in the operating instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Poorly tightened or loosening bolts can fail. Risk of an accident!



Clamping with two bolts in line (f): release both bolts two to three turns counterclockwise, otherwise the whole assembly can come apart. Move the saddle forward or backward as desired to adjust the horizontal position. You may have to give the saddle a light blow to make it move. Please observe the markings on the saddle rail.

Having found your preferred position, make sure both clamp halves fit snugly around the saddle rails before tightening the bolt(s) to the correct torque value as prescribed by the seat post manufacturer.

Tighten both bolts evenly **(g)** so that the saddle remains at the same angle. If you wish to lower the nose of the saddle a little, tighten the front bolt clockwise. You might have to loosen the rear bolt a little as well. To lower the rear part of the saddle, the rear bolt has to be tightened clockwise and the front bolt to be released, if necessary. After fastening the saddle, check whether it resists tilting by bringing your weight to bear on it once with your hands at either end of the saddle **(h)**.



Check the bolts by using a torque wrench once a month according to the values indicated directly on the components and/or in the operating instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Poorly tightened or loosening bolts can fail. Risk of an accident!

If you have a **single bolt system (a)**, unscrew the fixing bolt as far as possible without loosening the lock nut on the outer side of the clamping device. In general, it is not necessary to take the mechanism completely apart, if it is already equipped with the correct outer clamps for your saddle.

If you do find it necessary to unscrew the single fixing bolt completely, remove it from the clamping device. This releases the outer clamping parts. The inner clamping parts are held in position with a rubber retention plate.

Mount the saddle rails into the inner clamping parts, add the outer parts and re-insert the fixing bolt. If the width of the saddle rails does not fit exactly into the clamp grooves, do not try to force them in. The clamping mechanism or the saddle rails could break and result in an accident and/or injuries to the rider. Use a different saddle model or contact your MERIDA dealer.

If the saddle rails fit into the clamp grooves, slide the saddle on the seat post and ensure that the clamp is positioned midway along the total length of the rails **(b)**. Position the saddle so that its upper surface is parallel to the ground.



Tighten the bolt gradually and make sure

- 1) the clamping device is still accurately mounted on the carbon seat post head and
- 2) the clamp is tightening evenly around each rail.

Once there is uniform hold on both rails, tighten the bolt gradually with a torque wrench **(c)** until you have reached the maximum torque value indicated in Newton meters (Nm) on the seat post.



Check the bolts by using a torque wrench once a month according to the values indicated directly on the components and/or in the operating instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Poorly tightened or loosening bolts can fail. Risk of an accident!

Adjusting the brake lever reach

With most brake systems the distance between the brake levers and the handlebar grips is adjustable. This gives in particular riders with small hands the convenience of bringing the brake levers closer to the handlebars **(d)**.

On most bikes there is a small adjusting screw near the point where the brake cable of a cable brake enters the brake lever unit or at the lever itself.

Turn this bolt clockwise **(e)** and watch how the lever adjusts as you do so.

Hydraulic brakes are also fitted with adjusting devices at the brake lever. There are different systems. Ask your MERIDA dealer for advice or read the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

When adjusting the lever reach, make sure the first phalanx of the index finger reaches around the brake lever **(f)**. Check the proper adjustment and functioning of the brake system subsequently, as described in the chapter "The brake system" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Adjusting the tilt of the handlebars and the brake levers

The handlebars are usually slightly bent at the ends. Set the handlebars to a position in which your wrists are relaxed and not turned too much outwards.

Release the Allen bolt(s) at the bottom or front side of the stem. Turn the handlebars to the desired position. Make sure the handlebars are accurately centered in the stem. Carefully retighten the bolt(s) with the torque wrench.

Make sure the upper and lower clamping slots of the stem are parallel and identical in width **(g)**. If you have a stem with several bolts, tighten them evenly in a cross pattern by using a torque wrench and observe the recommended torque values.

Try rotating the handlebars once clamped in the stem **(h)** and tighten the bolt a little more, if necessary. Use a torque wrench and never exceed the maximum torque values! You find them directly on the components and/or in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

If the handlebars are not tight with the prescribed torque value, use carbon assembly paste.



Make sure you cannot pull the brake levers all the way to the handlebars. Your maximum braking force should be reached short of this point.




In the case of hydraulic brakes and disc brakes follow the instructions of the brake manufacturer, which you can find on the enclosed MERIDA CD-ROM. If you are in doubt or if you have any questions, contact your MERIDA dealer.


After adjusting the handlebars you need to adjust the brake lever/shifter units. Release the Allen bolt at either unit. Turn the levers relative to the handlebars. Sit in the saddle and place your fingers on the brake levers.

Check whether the back of your hand forms a straight line with the line of your forearm (a). Retighten the units with a torque wrench and do a twist test! The brake levers need not be absolutely tight. In case of a fall it is an advantage when the brake levers can be turned.



 Tighten the bolts at the stem (b) until the clamping slots between the stem body and the faceplate are parallel and identical in width at the top and at the bottom. Tighten the bolts evenly and in a cross pattern, i.e. alternately and gradually, by using a torque wrench to the lower value of the recommended torque values.



 Note that the bolted connections of stem, handlebars, bar ends and brakes have to be tightened to their specified torques. Use a torque wrench and never exceed the maximum torque values! The torque values are given in the chapter "Recommended torque settings" in this translation of the original MERIDA operating instructions as well as in your comprehensive MERIDA user manual, directly on the components and/or in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Bar ends and multi-position handlebars give you additional ways of gripping the handlebars.



Be aware that the distance you need to stop your bike increases, when you are riding with your hands on bar ends (c+d) or on multi-position handlebars. The brake levers are not always within easy reach.



Never fix bar ends in vertical position or with their ends pointing rearwards as this would increase the risk of injury in the event of an accident.



If you want to mount multi-position handlebars on your MERIDA pedelec or bar ends to the aluminum handlebars of your MERIDA pedelec, inform yourself in advance whether your MERIDA pedelec is approved for them. Contact your MERIDA dealer, if necessary, before mounting.

The brake system

Brakes **(e+f)** are used to adjust your speed to the surrounding terrain and traffic. In an emergency situation, the brakes must bring your MERIDA pedelec to a halt as quickly as possible.

In the event of such emergency brakings, the rider's weight shifts forward abruptly, thus reducing the load on the rear wheel. The rate of deceleration is primarily limited by the danger of the rear wheel losing contact with the ground, resulting in an overturning of the MERIDA pedelec and, secondly, by the grip of the tires on the road. This problem becomes particularly acute when riding downhill. Therefore, in case of an emergency braking you should try to shift your weight towards the rear and the ground as far as possible.

Actuate both brakes simultaneously **(g)** and bear in mind that, due to the weight transfer, the front brakes can generate a far better braking effect on a surface with good grip.

The braking conditions on unpaved surfaces differ **(h)**, i.e. overbraking the front wheel can make the wheel slip away. Make yourself familiar with the operation before you set off for the first time. Practice braking on different kinds of surface in an area free of traffic.

For more information see the chapter "The brake system" in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



e



f



g



h



The assignment of brake lever to brake caliper can vary, e.g. left lever acts on front brake. Have a look at the bike card and check whether the brake lever of the front brake is on the side you are used to (right or left). If it is not, ask your MERIDA dealer to switch the brake levers before you set off for the first time.



Be careful while getting used to the brakes. Practice emergency stops in a place clear of traffic until you are comfortable controlling your MERIDA pedelec. This can save you from having accidents in road traffic.



Wet weather reduces the braking effect and the road grip of the tires. Be aware of longer stopping distances when riding in the rain, reduce your speed and actuate the brakes carefully.



Ensure that braking surfaces and brake pads are absolutely free of wax, grease and oil. Risk of an accident!



When replacing any parts, be sure to only use parts that bear the appropriate mark and, to be on the safe side, original spare parts. Your MERIDA dealer will be pleased to help you.



Read in any case the chapter "The brake system" in your comprehensive MERIDA user manual as well as in the instructions of the brake manufacturer on the enclosed MERIDA CD-ROM before you start to readjust or to service the brake or before doing any work whatsoever.

The gears

The gears **(a-c)** of your MERIDA pedelec serve to adjust the gear ratio to the terrain you are riding on and the desired speed. Modern MERIDA pedelecs can have up to 11 gears.

In the case of **derailleur gears** a low gear allows you to climb steep hills with moderate pedaling force. You must, however, pedal at a faster pace or higher frequency. Downhill you switch to a high gear. Every turn of the pedals takes you many meters forward at correspondingly high speed.

Continue pedaling during gear shifting, however, at clearly reduced pedaling force, i.e. you should pedal slowly and without force.

In the case of **multi-speed hubs and gearbox shift systems** "1" stands for the first, lowest gear. The gears are shifted through one after the other, if possible without turning the pedals, at least, however, at reduced pedal pressure. The highest number stands for the highest gear.

NuVinci N360 gear hubs (d) are designed to allow stepless shifting by means of a twist grip within their range of gear ratio. With the NuVinci hub the force transmission is ensured by balls instead of toothed wheels. Make it a rule to shift only while pedaling at reduced force.



a



b



c



d

With NuVinci the actual gear ratio is indicated to the cyclist on the display. If the cyclist climbs uphill, the gear ratio is low, on level ground the gear ratio is high.

The **H-Sync** gear system integrates the **NuVinci Harmony®** gear hubs into the Intuvia system of its Bosch drive. With H-Sync you can predefine your preferred cadence (between 30 and 80 turns per minute). The drive readjusts automatically – both uphill as well as downhill. This allows you to always maintain your preset cadence.

For more information see the chapter "The gears" in your comprehensive MERIDA user manual as well as in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.



Before you set off for the first time practice shifting gears in a place free of traffic until you are familiar with the functioning of the levers or twist grips of your MERIDA pedelec.



Always make sure changing gears makes as little noise as possible and is absolutely jerk-free.



Read in any case the chapter "The gears" in your comprehensive MERIDA user manual as well as in the instructions of the gear manufacturer on the enclosed MERIDA CD-ROM before you start to readjust or to service the gears or before doing any work whatsoever.

Suspension forks

Many MERIDA pedelecs have suspension forks **(e+f)**. This feature gives you better control of your MERIDA pedelec when riding cross-country or on rough road surfaces and ensures more ground contact for the tire. The (shock) loads on you and your MERIDA pedelec are noticeably reduced. Suspension forks differ in their types of spring elements and damping. Suspension forks normally work with air spring elements or with coil springs. Damping is usually done by oil.

To work perfectly, the fork has to be adjusted to the weight of the rider, the sitting posture and the intended use. Be sure to have this adjustment carried out by your MERIDA dealer at the time of delivery. For more information see the chapter "Suspension forks" in your comprehensive MERIDA user manual as well as the instructions of the suspension fork manufacturer on the enclosed MERIDA CD-ROM.



The suspension fork should be set up and adjusted in a way that it does not reach the end of its travel, i.e. bottom out, unless in extreme cases **(g)**. A spring rate which is too soft (too low air pressure) can usually be heard or felt as a "clunk" type noise. This noise is caused by the sudden complete compression of the suspension fork as it reaches bottom out. If the suspension fork frequently reaches bottom out, it will sustain damage over time, and so will the frame.



A too strong damping of the suspension fork can result in a sluggish rebound movement with a rear shock that will not recover when exposed to a quick series of impacts. Risk of an accident!



Do not turn any bolt on your suspension fork, particularly not with tools, in the vague hope of adjusting it somehow. You could be loosening the fastening mechanism, thus provoking an accident. All manufacturers normally mark adjustment devices with a scale or with "+" (for stronger damping/harder suspension) and "-" signs.



Suspension forks are designed to absorb shocks. If the fork is too rigid and jammed, the terrain-induced shocks pass directly into the frame without any damping. This could damage the suspension fork itself as well as the frame. If your suspension fork has a lockout mechanism **(h)**, do not activate the lockout function when riding in rough terrain, but only when riding over smooth terrain (roads, field tracks).



Suspension fork manufacturers normally include instructions with their deliveries. You find these instructions on the enclosed MERIDA CD-ROM. Read these carefully before changing any settings or doing any maintenance work on your suspension fork.



More information on adjusting and maintenance is available on the internet at
www.srsuntour-cycling.com
www.manitoumtb.com
www.ridefox.com
www.rst.com.tw
www.dtswiss.com
www.rockshox.com
www.xfusionshox.com
www.magura.com

Rear shocks

Full suspension MERIDA pedelecs **(a+b)** are not only equipped with a suspension fork but also with movable rear stays which are sprung and damped by a rear shock. This feature gives you better control of your MERIDA pedelec when riding cross-country or on rough road surfaces. The (shock) loads on you and your MERIDA pedelec are noticeably reduced. The rear shock normally works with an air spring element or – less frequently – with coil springs. Damping is usually done by oil.

To work perfectly, the rear shock has to be adjusted to the weight of the rider, the sitting posture and the intended use. Be sure to have this adjustment carried out by your MERIDA dealer at the time of delivery. For more information see the chapter “Rear shocks” in your comprehensive MERIDA user manual as well as the instructions of the rear shock manufacturer on the enclosed MERIDA CD-ROM.



The rear shock should be set up and adjusted in a way that it does not reach the end of its travel, i.e. bottom out, unless in extreme cases **(c)**. A spring rate which is too soft (too low air pressure) can usually be heard or felt as a “clunk” type noise. This noise is caused by the sudden complete compression of the rear shock as it reaches bottom out. If the rear shock frequently reaches bottom out, it will sustain damage over time, and so will the frame.



A too strong damping of the rear frame can result in a sluggish rebound movement with a rear shock that will not recover when exposed to a quick series of impacts. Risk of an accident!



a



b



c



d



Do not turn any bolt on your suspension fork, particularly not with tools, in the vague hope of adjusting it somehow. You could be loosening the fastening mechanism, thus provoking an accident. All manufacturers normally mark adjustment devices with a scale or with “+” (for stronger damping/harder suspension) and “-” signs **(d)**.



Full suspension frames are designed in a way to absorb shocks. The rear shock is too rigid and jammed, the terrain-induced shocks pass directly into the frame without any damping. This could damage the rear shock itself as well as the frame. If your rear shock has a lockout mechanism, do not activate the lockout function when riding in rough terrain, but only when riding over smooth terrain (roads, field tracks).



Rear shock manufacturers normally include instructions with their deliveries. You find these instructions on the enclosed MERIDA CD-ROM. Read these carefully before changing any settings or doing any maintenance work on your rear shock.



More information on adjusting and maintenance is available on the internet at
www.srsuntour-cycling.com
www.manitoumtb.com
www.ridefox.com www.rockshox.com
www.rst.com.tw www.xfusionshox.com
www.dtswiss.com www.magura.com

Riding a MERIDA pedelec – Special features

Your MERIDA pedelec is designed to be used like a conventional bicycle. The unique riding experience, however, starts when you actuate the drive system **(e)**. At that moment the assistance generated by the 250 W motor **(f)** increases with its high torque the stronger you pedal.

Set off for your first ride by selecting the lowest level of drive assistance. Gradually get used to the additional power. Slowly approach the potential of your MERIDA pedelec in an area free of traffic.

Practice typical riding situations such as starting off and braking, tight corners and riding on narrow cycle paths and lanes. This is where a MERIDA pedelec clearly differs from a conventional MERIDA bike.



Pulling the brake lever of the rear brake stops the motor. Emergency stop!



Be aware that the brakes of your MERIDA pedelec are always more effective than the drive. If you will face any problems with your drive (e.g. because it pushes you forward in front of a bend), slow down your MERIDA pedelec carefully.



Riding with drive assistance

The system is switched on and off at the buttons of the control element on the battery or on the handlebars. Furthermore, different assistance modes can be selected, the remaining capacity of the rechargeable battery is displayed and the different functions of the cycle computer **(g+h)**, if available, can be selected.

When switched on, the system activates during pedaling and the drive assistance is available. Sensors measure your pedaling movements and control the fully automated drive assistance according to the selected assistance mode. The level of the additional propulsion depends on the assistance mode, your speed and, as applicable, the amount of force applied to the pedals.

The assistance switches off when you reach a speed of more than 25 km/h.

Keep in mind that you may have to change your riding habits: Do not mount by placing one foot on the pedal and by trying to throw the other leg over the saddle. The MERIDA pedelec would set off suddenly. Risk of an accident!

Stop pedaling earlier than you are used to before riding a turn or bend. Otherwise there may be too much propulsion and your cornering speed may be too high.

Do not give in to the temptation to always ride in a high gear, due to the strong motor. Change gears frequently **(a)** as you would do on a conventional MERIDA bike to make your own contribution to moving forward as efficient as possible. Your cadence should always be in a smooth flow. In other words, you should pedal at more than 60 crank rotations per minute.

Keep in mind that the other road users are not yet used to the new pedelecs and their higher speeds. Ride with this fact in mind and anticipate the actions of other road users. Be aware that the speed you ride at will be clearly faster than you are used to. Therefore, keep these facts in mind and be ready to brake whenever unclear or possibly dangerous situations come into your field of vision.



Do a test ride in an unfrequented area (b) to make yourself familiar with the riding characteristics of your MERIDA pedelec and the possibly higher speed and acceleration, before riding on public roads. Risk of an accident! Never ride without a helmet!



Do not step on the pedals before sitting in the saddle, select the lowest drive assistance and be ready to brake when you set off. Risk of an accident!



Keep in mind that due to the higher driving power at the rear wheel the risk of an accident increases with slippery roads (due to wetness, snow, gravel etc.). This applies all the more when riding bends. Risk of an accident!



Please note that car drivers and other road users may underestimate your speed. Always wear bright clothing. Therefore, always ride on public roads with this fact in mind and anticipate the actions of other road users. Risk of an accident!



Keep in mind that pedestrians do not hear you when you approach at high speed. Therefore, ride particularly defensive and anticipating when using cycle lanes and cycle/footpaths to avoid accidents. If necessary, ring the bell (c) to warn others.

Range – Useful information for a long ride

How long and how far you can benefit from the auxiliary drive depends on several factors, i.e. the road conditions, the weight of the rider and any additional load, the rider's pedal force, the degree or mode of assistance, (head)winds, frequent stops, temperature, weather conditions, topography, tire pressure, etc.

The charge state of your rechargeable battery can be read from the display of the control element on the handlebars or, additionally, on the rechargeable battery (d).



In general, the batteries of MERIDA pedelecs have no memory effect. It is recommended that you charge the battery after every long ride. Avoid any deep discharge of the rechargeable battery.



For more information see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

To extend the range it is recommended that you ride with low assistance (Eco) (e) or no assistance at all on level or downhill trails and only select maximum drive assistance (Turbo) (f) with headwinds, heavy additional loads and/or when climbing hills.



Furthermore, you can extend the range by

- checking the tire pressure regularly, i.e. once a week with a pressure gauge, and changing it, if necessary (g)
- shifting gears down in front of traffic lights and intersections or in general in cases of stops and by setting off in low gears
- changing gears regularly, as you would do on a MERIDA bike without drive
- not only riding in high gears
- riding with these facts in mind and always looking ahead to avoid any unnecessary stops
- reducing your additional load, i.e. without any unnecessary baggage
- storing your battery in your home and installing it only shortly before you set off on your MERIDA pedelec in cooler weather, in particular when it is cold
- not parking your MERIDA pedelec in the blazing sun.

For more information on whether your MERIDA pedelec has a recuperation function, see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

If your battery has not enough capacity to reach your destination, benefit from the decisive advantage of the hybrid concept of your pedelec: Without drive assistance you can ride your MERIDA pedelec like a usual bicycle with an unlimited range and nearly without compromising on riding characteristics.



If your battery runs empty during the ride, do not recharge the battery with any charger, even if it happens to be fitted with an identical connector type. Risk of explosion! Make it a habit to charge your battery only with the supplied charger (h).

Riding without drive assistance

You can also use your MERIDA pedelec without drive assistance, i.e. just like a conventional MERIDA bike.

Observe the following points when riding without rechargeable battery **(a)**:

- If you want to ride without drive assistance with mounted battery, you can switch on the drive HMI of your pedelec to benefit from the functions of your cycle computer.
- If the lighting set of your pedelec is powered by the rechargeable battery **(b)**, you cannot use your light when riding without battery.
- After you have removed the battery of your pedelec: Keep the connections of the rechargeable battery **(c)** free of dirt and moisture.



Riding a MERIDA speed pedelec – Special features

Basically, a MERIDA speed pedelec is a pedelec, which is only clearly faster. Be sure to thoroughly read the chapter “Riding a MERIDA pedelec – Special features” before reading this chapter. Keep in mind that all tips and warnings given in the mentioned chapter apply all the more and with still greater importance to MERIDA speed pedelecs. Practice the handling of the still more powerful and faster MERIDA speed pedelec and always ride with foresight.

In contrast to MERIDA pedelecs MERIDA speed pedelecs are classified as e-bikes and thus as motor vehicles. This entails a number of regulations according to which your MERIDA speed pedelec must be equipped:

- Beside the bicycle typical components it must be fitted with a rear view mirror **(d)**.
- The MERIDA speed pedelec needs to be registered, licensed, taxed and insured and requires an operating license or an EU type approval **(e)**.
- The tires must have a minimum tread depth of 1 mm, as is well known for motor vehicles. Every tire worn down to this minimum depth must be replaced by an identical one; otherwise this will void the operating license.

Inform yourself in the country where you use your MERIDA speed pedelec about the regulations of

- using cycle lanes and paths within built-up areas,
- using lanes that are marked with a road sign allowing access for mopeds,
- using your MERIDA speed pedelec on cycle lanes which are allowed for mopeds,
- using one-way streets in the opposite direction, even when they are allowed for bikes,
- using pedestrian zones, even when they are allowed for bikes,
- using bicycle parking facilities,
- using forest trails,
- using your MERIDA speed pedelec on lanes which are closed to motor vehicles, motorcycles and mopeds,
- using your MERIDA speed pedelec on public roads and on private premises, if authorized by the owner.

Please check in the country where you are using your MERIDA speed pedelec whether towing child trailers and whether mounting and using child seats is allowed or not **(f)**. Check in the bike card **(g)** and ask your MERIDA dealer, whether your MERIDA speed pedelec is approved for being fitted with a child seat.



Bike card		Intended use	
Manufacturer		<input type="checkbox"/> Category 0	<input type="checkbox"/> Category 1
Model		<input type="checkbox"/> Category 2	<input type="checkbox"/> Category 3
Reference		<input type="checkbox"/> Category 4	<input type="checkbox"/> Category 5
Color		Permitted use (max)	
Color option		MERIDA pedelec, car and trailer %
Stability		Permitted speed limit km/h
Weight		Operational speed limit km/h
Weight limit		Trailer permitted %
Approved Motor (PS)		Operational speed limit km/h
Capacity (kg) (max)		Brake level	Brake assigned
Approved seats		Left side	<input type="checkbox"/> Front wheel drive
Motorcycle/moped		Right side	<input type="checkbox"/> Chain drive/steering
Child seat		Left side	<input type="checkbox"/> Chain drive/steering
Motor cycle		Right side	<input type="checkbox"/> Chain drive/steering
Motorcycle/moped		<input type="checkbox"/> Pedal drive/steering <input type="checkbox"/> Other system/steering	
Child seat		<input type="checkbox"/> Pedal drive/steering <input type="checkbox"/> Other system/steering	
Child of motor vehicle		<input type="checkbox"/> Pedal drive/steering <input type="checkbox"/> Other system/steering	
Child of motor vehicle		<input type="checkbox"/> Pedal drive/steering <input type="checkbox"/> Other system/steering	
Child of motor vehicle		<input type="checkbox"/> Pedal drive/steering <input type="checkbox"/> Other system/steering	
Child of motor vehicle		<input type="checkbox"/> Pedal drive/steering <input type="checkbox"/> Other system/steering	

! Report MERIDA speed pedelec



For your own safety, always ride your MERIDA speed pedelec with the light switched on, wear bright clothing as well as a suitable helmet and glasses.



If a component needs to be replaced, make it a rule to only use original spare parts. Wearing parts of other manufacturers, e.g. brake pads or tires that are not of identical size, may cause harm to the safety of your MERIDA pedelec or MERIDA speed pedelec. Risk of an accident! In the case of MERIDA speed pedelecs be sure to only assemble original spare parts, otherwise the operating license expires. Read the respective instructions in the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.



Be aware that the brakes of your MERIDA speed pedelec are always more effective than the drive. If you face any problems with your drive (e.g. because it pushes you forward in front of a bend), slow down your MERIDA speed pedelec carefully.



The regulations and rules for pedelecs and speed pedelecs are being revised permanently. Read the daily press to keep you informed about current legislative changes.



When riding MERIDA speed pedelecs wearing a suitable cycle helmet **(h)** is compulsory.



Pulling the brake lever of the rear brake stops the motor. Emergency stop!

Useful information for proper handling of the rechargeable battery

Remove the rechargeable battery **(a+b)**, if you do not use your MERIDA pedelec for a longer period of time (e.g. during the winter season). Store the rechargeable battery in a dry room at temperatures between 5 and 20 degrees Celsius (between 41 and 68 degrees Fahrenheit). The state of charge should be 50 to 70 % of the charging capacity. Check the state of charge, if the rechargeable battery is left unused for more than two months, and recharge it in between, if necessary **(c)**.

Clean the battery housing with a dry or, if at all, a slightly moist rag. Do not direct the water jet of a high-pressure cleaner at the rechargeable battery, as there is a risk of water entry and/or short-circuit.

For more information on the proper handling of your rechargeable battery see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.



Charge your battery only with the supplied charger. Do not use the charger of any other manufacturer, not even when the connector of the charger matches your rechargeable battery **(d)**. The rechargeable battery can heat up, catch fire or even explode!



Keep the rechargeable battery and the charger out of the reach of children!



We recommend that you charge your battery during the day and only in dry rooms which have a smoke or a fire detector; but keep it off your bedroom. Place the battery during the charging process on a big, non-inflammable plate made of ceramics or glass! Unplug the battery once it has been charged up.



Keep the rechargeable battery and the charger away from moisture and water during the charging process to exclude electric shocks and short circuits.



Do not use a rechargeable battery or a charger that is defective. If you are in doubt or if you have any questions, contact your MERIDA dealer.



Do not expose your battery or the charger to the blazing sun.



Do not charge any other electrical devices with the supplied charger of your MERIDA pedelec!



The drive is not approved for steam cleaning, high-pressure cleaning or cleaning with a water hose. The contact of water with the electronics or the drive can destroy the units. The individual drive components can be cleaned with a soft rag and neutral detergents. You may use a moist rag, but not excessive water. Keep the rechargeable battery dry and do not submerge it! Risk of explosion!



Make sure your rechargeable battery is in sound condition (e). Do not open, disassemble or crush the battery. Risk of explosion!



Make sure your rechargeable battery is not exposed to mechanical impacts.



Keep your battery away from fire and heat. Risk of explosion!



Batteries must not be short-circuited. Therefore store them in a safe storage area and make sure the battery is not short-circuited accidentally (e.g. with another battery). In addition, the rechargeable battery must not be stored inappropriately, e.g. in a box or in a drawer where they can be short-circuited by other conductive materials or where they can short-circuit each other. Do not deposit any objects in the storage area (e.g. clothes).



Make sure to use the battery only for the MERIDA pedelec for which it is designed.



When you remove your battery from the holder for charging it (f) with your MERIDA pedelec left in the open during the charging process, you should protect the connections, e.g. with a plastic bag against rain, water, moisture and dirt (g). If the connections of the rechargeable battery are soiled, clean them with a dry rag.



Make sure not to discharge your rechargeable battery completely (also referred to as depth discharge). This occurs often when the battery has run out completely and the MERIDA pedelec was left standing for some days. Depth discharge will affect the rechargeable battery of your MERIDA pedelec permanently. A deep-discharged battery can only be recharged in exceptional cases and with special chargers. Contact your MERIDA dealer.



If the rechargeable battery or the charger (or parts of it) must be replaced, only use original spare parts. Contact your MERIDA dealer, if necessary.



Charge the battery at an ambient temperature of approx. 20 degrees Celsius (68 degrees Fahrenheit). Therefore, before starting the charging, wait until the temperature of the battery has increased or decreased after a ride in cold weather or hot weather.



Do not dispose of your rechargeable battery with standard household waste (h)! It must be disposed of according to battery disposal regulations. Therefore, sellers of new rechargeable batteries must provide collection of old batteries and appropriate disposal. If you are in doubt or if you have any questions, contact your MERIDA dealer.



Remove the rechargeable battery from your MERIDA pedelec or MERIDA e-bike, if you do not use your MERIDA pedelec for a longer period of time and keep it clean and dry.



Do not charge your battery over a long period of time, if you do not need it.



Lithium-ion batteries have no memory effect; they can therefore be charged at any time without affecting battery life.



Also observe the notes on the respective labels on the rechargeable battery or on the charger (a).

For more information on the proper handling of the rechargeable battery see the system instructions of your drive manufacturer on the enclosed MERIDA CD-ROM.

Transporting the MERIDA pedelec

By car

MERIDA pedelecs can be transported like conventional bikes outside or inside the car (b). Always make sure the MERIDA pedelec is securely fastened outside or inside the car and check the fastenings regularly. In addition, you should always remove the battery from the MERIDA pedelec (c+d) prior to fastening it on the car roof. Stow the battery and, if applicable, a removable display unit, inside the car and secure it appropriately to avoid any damage in transit.

For more information see the chapter "Transporting the MERIDA bike" of your comprehensive MERIDA user manual on the enclosed MERIDA CD-ROM.



a



b



c



d



The weight distribution on MERIDA pedelecs differs markedly from the weight distribution on MERIDA bikes without drive assistance. A MERIDA pedelec is markedly heavier than a MERIDA bike without drive assistance. For this reason parking, pushing, lifting and carrying the MERIDA pedelec is more difficult. Bear this in mind when loading your pedelec into a car and unloading it or when mounting it on a bicycle carrier system.



Before transporting several pedelecs with a roof mounting or a rear mounting carrier system, inform yourself about the maximum load capacity of the bike carrier and the maximum load of the trailer hitch. Keep in mind that the weight of a MERIDA pedelec is higher than the weight of a bike without drive. Maybe you can only transport one or two MERIDA pedelecs instead of three bikes without drive.



Make sure to remove all movable and loose parts and above all the rechargeable battery, the control element and the cycle computer on the handlebars before transporting the pedelec inside or outside the car. If you transport your MERIDA pedelec without its battery on a bike carrier system, protect the connections against water, moisture and dirt, for example, with a plastic bag.



If necessary, inform yourself about the regulations concerning bike/pedelec transport in the countries that you intend to transit during your journey. The regulations e.g. with regard to the marking, differ from country to country.

By train / By public transport

Taking pedelecs with you by public transport is permitted in general, the regulations applicable in the cities differ, however. There are e.g. some places where you are only allowed to travel with your MERIDA pedelec during off-peak hours and with an additional bicycle ticket. Inform yourself in time about the regulations of carrying the pedelec before you start the trip!

In some countries trains have special spaces for the storage of pedelecs and other things. This is an option to take your pedelec with you. They are often at the front or end of a train and marked with a bicycle sign.

Please check in the country where you use your MERIDA pedelec whether you need to pre-book a bike space on the train.



If the rechargeable battery of your MERIDA pedelec is mounted to the down tube or to the pannier rack, you can remove the battery for an easier boarding and disembarking (e-h).



Before you start your trip, inform yourself in time about the conditions of carriage and also observe the regulations and rules about bicycle and pedelec transport in the countries through which you intend to travel.

By plane

If you intend to take your MERIDA pedelec by plane or to dispatch it by a forwarding agent, you have to observe particular packing and labeling requirements for rechargeable batteries which are considered as hazardous goods. Contact the airline, an expert for hazardous items or the forwarding agent in time.



Contact the airline with which you intend to travel in time and inform yourself about conditions and possibilities of taking your MERIDA pedelec with you.

Service and maintenance

Your MERIDA dealer will have assembled and adjusted your MERIDA pedelec ready for use when you come to collect it. Nevertheless, your MERIDA pedelec needs regular servicing **(a)**. Have your local MERIDA dealer do the scheduled maintenance work. This is the only way to ensure that all components function safely and reliably for many miles.

Your MERIDA pedelec will be due for its first service after 100 to 300 kilometers, three to six weeks or 5 to 15 hours of initial use. The bedding-in phase typically involves safety-relevant bolted connections and spokes slightly losing tension or gears coming out of adjustment, so there is every reason to have your MERIDA dealer service the MERIDA pedelec at this stage.

This bedding-in process is unavoidable. Therefore, remember to make an appointment with your MERIDA dealer to have your new MERIDA pedelec inspected. The first service is very important for both functioning and durability of your MERIDA pedelec.

It is advisable to have your MERIDA pedelec serviced regularly by your MERIDA dealer after the bedding-in phase. If your bicycle does harder service, because you ride a great deal on poor road surfaces, it will require correspondingly shorter service intervals. The off-season during the winter months is a very good time to take your MERIDA pedelec to your MERIDA dealer for the annual inspection, as they will have plenty of time for you and for servicing.



The intended use of the MERIDA pedelec includes regular servicing and the replacement of worn out parts in time, e.g. chains, brake pads or Bowden and brake cables **(b)**, and therefore has an influence on the warranty and the guarantee, as well.

In addition, your MERIDA dealer can install updates for the systems by means of which new energy saving riding programs can be loaded allowing longer ranges.

Keep in mind that the drive assistance can increase the wearing. This applies to the rear wheel and in the case of middle motors to the chain **(c)**.



Servicing and repairs are jobs best left to your MERIDA dealer. If you have your MERIDA pedelec serviced by anyone else than an expert, you run the risk that parts of your pedelec will fail. Risk of an accident! When working on your MERIDA pedelec restrict yourself to jobs for which you are equipped e.g. with a torque wrench including bits and for which have the necessary knowledge.



If a component needs to be replaced, make it a rule to only use original spare parts (d). Wearing parts of other manufacturers, e.g. brake pads or tires that are not of identical size, may cause harm to the safety of your MERIDA pedelec. Risk of an accident!



Remove the battery and/or the display before beginning work on your pedelec (e.g. inspection, repair, assembly, maintenance, work on the drive, etc.). In case of unintentional activation of the drive system there is the risk of injury!



Keep in mind that the auxiliary drive may lead to partly higher wear than you are used to. This applies in particular to the brakes and the tires and in the case of bottom bracket drives to the chain and the sprockets.



For your own safety, bring your MERIDA pedelec to your MERIDA dealer for its first service after 100 to 300 kilometers, 5 to 15 hours of initial use or three to six weeks, at the very latest, however, after three months.

Servicing MERIDA speed pedelecs – Special features

Please note that in the case of MERIDA speed pedelecs only certain components are allowed to be replaced, otherwise there is the risk of losing the operating license and the insurance cover. Only use spare parts confirmed by experts' reports on the approval for your MERIDA speed pedelec. As an alternative you may also go through an individual approval process by a technical inspection authority of your country. To be on the safe side, be sure to only use original spare parts.



e



f



g



h

Components which must not be replaced or only after a type test, e.g. carried out by a technical inspection authority:

- frame
- fork
- drive unit
- battery
- tires
- rims
- brake system
- front and rear light
- kickstand
- handlebars
- stem
- command console/display (e)
- license plate frame

The following components can be replaced, even without any further test: Pedals (f) (pedal reflectors are compulsory), mudguards (with rounded edge at the front mudguard), pannier rack, saddle (g) and rubber grips on the handlebars, gear components (provided the highest transmission remains identical), seat post (h), chain, headset, inner tube and hub as well as bell and rear view mirror (when replaced by equivalent models).



In the case of MERIDA speed pedelecs be sure to only assemble original spare parts, otherwise the operating license expires.

Drive maintenance and care

The motor, the rechargeable battery and the drive HMI and/or display are mainly maintenance free, except for the battery charging which is necessary regularly.

From time to time the dirt and oil needs to be cleaned off your chain with an oily rag **(a)**. Special degreasers are not necessary; they even have a damaging effect.

Having cleaned the chain as thoroughly as possible, apply chain oil, wax or grease **(b)** to the chain links. To lubricate the chain, drip the lubricant onto the rollers of the lower run of the chain while you turn the crank. Once this is done, turn the cranks a few more times; then let the MERIDA pedelec rest for a few minutes so that the lubricant can disperse. Finally wipe off excess lubricant with a rag so that it does not spatter around during riding or can collect road dirt.



A rechargeable battery that has reached the end of its service life must not be disposed of with standard household waste **(c)**. Bring the rechargeable battery to the dealer, where you buy your new one. If in doubt, ask your MERIDA dealer.



The drive is not approved for steam cleaning, high-pressure cleaning or cleaning with a water hose. The contact of water with the electronics or the drive can destroy the units. The individual drive components **(d)** can be cleaned with a soft rag and neutral detergents. You may use a moist rag, but not excessive water. Do not submerge the rechargeable battery!

Service and maintenance schedule

It is advisable to have your MERIDA pedelec serviced regularly after the bedding-in phase. The schedule given in the table below is a rough guide for cyclists who ride their pedelec between 1,000 and 2,000 km or 50 to 100 hours of use a year.

If you consistently ride more or if you ride a great deal on poor road surfaces, the service intervals will shorten accordingly.

Component	What to do	Before every ride	Monthly	Annually	Others
Lighting	Check function	x			
Tires	Check pressure	x			
	Check tread and side walls		x		
Brakes (rim brakes)	Check lever travel, wear of brake pads, position of pads relative to rim; test brakes in stationary	x			
Brakes (hydraulic rim brakes)	Check lever travel, wear of brake pads, position of pads relative to rim, test brakes in stationary, check seals	x			
Brakes (drum/roller)	Lever travel, test brakes in stationary	x			
Brakes, brake pads (rim brakes)	Clean		x		
Brake cables/pads/lines	Visual inspection		x		
Brakes (disc brakes)	Lever travel, brake pads, seals, test brakes in stationary	x			
	Replace liquid (DOT-liquids)				•
Suspension forks	Check and retighten bolts, if necessary				•
	All-inclusive service (change oil)				•
Rims (of rim brakes)	Check thickness, replace if necessary				• at the latest after 2 nd set of brake pads • at least every 2 years
Fork (rigid)	Check and replace, if necessary				• at least every 2 years
Bottom bracket	Check for bearing play		x		
	Dismount and regrease (cups)				•
Chain	Check and grease, if necessary	x			
	Check wear, replace, if necessary derailleur gears				• after 1,000 km or or 50 hours of use
Telescopic seat post	Service			x	
Crank	Check and retighten, if necessary		x		

Component	What to do	Before every ride	Monthly	Annually	Others
Painted/anodized/carbon surfaces	Impregnate				x at least every 6 months
Wheels/spokes	Check for trueness and tension True or retighten		x		• if necessary
Handlebars and stem (aluminum and carbon)	Check and replace, if necessary				• at the latest every 2 years
Headset	Check for bearing play Regrease		x	•	
Metal surfaces	Polish (except: rim sides of rim brakes, brake discs)				x at least every 6 months
Hubs	Check for bearing play Regrease		x	•	
Pedals (all)	Check for bearing play		x		
Pedals (clipless)	Clean and grease locking mechanism		x		
Seat post/stem	Check bolts Dismount and re-lubricate Carbon: new assembly paste (no grease!)		x	•	
Front/rear derailleur	Clean and grease		x		
Quick-releases/thru axles	Check seat	x			
Bolts and nuts (Multi-speed hubs, mudguards etc.)	Check and retighten, if necessary		x		
Valves	Check seat	x			
Cables (gears/brakes)	Disassemble and regrease			•	

If you have a certain degree of mechanical skills, experience and suitable tools, such as a torque wrench, you should be able to do the checks marked **x** by yourself. If you come across any defects, take appropriate measures without delay. If you are in doubt or if you have any questions, contact your MERIDA dealer.

Jobs marked • are best left to your MERIDA dealer.



For your own safety, bring your MERIDA pedelec to your MERIDA dealer for its first inspection after 100 to 300 kilometers, 5 to 15 hours of initial use or four to six weeks, and at the very latest after three months.

Recommended torque settings

All bolted connections of the pedelec components have to be tightened carefully and checked regularly to ensure the safe and reliable operation of the MERIDA pedelec. This is best done with a torque wrench that disengages at the desired torque value or a click-type torque wrench. Tighten carefully by approaching the prescribed maximum torque value in small steps (0.5 Nm increments) and check in between the proper fit of the component. Never exceed the maximum torque value indicated by the manufacturer!

Where no maximum torque setting is given start with 2 Nm. Observe the indicated values and observe the values on the components and/or in the operating instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

Component	Bolted connections	Shimano ¹ (Nm)	SRAM/Avid ² (Nm)	Tektro ³ (Nm)
Rear derailleur	Mount (on frame/derailleur hanger)	8 - 10	8 - 10	
	Cable clamp	5 - 7	4 - 5	
	Pulley wheels	3 - 4		
Front derailleur	Mount on frame	5 - 7	5 - 7	
	Cable clamp	5 - 7	5	
Shifter	Mount on handlebars	5	2.5 - 4	
	Hole covering	0.3 - 0.5		
Brake lever unit	Mount on handlebars	6 - 8	5 - 7	6 - 8
Hub	Quick-release lever	5 - 7.5		
	Locknut for bearing adjustment of quick-release hubs	10 - 25		
	Sprocket cluster lock ring	29 - 49	40	
Internal gear hub	Hub axle nut	30 - 45		
Crank	Crank mount (grease-free square-head)	35 - 50		
	Crank mount (Shimano Octalink)	35 - 50		
	Crank mount (Shimano Hollowtech II)	12 - 15		
	Crank mount (Isis)		31 - 34	
	Crank mount (Giga X Pipe)		48 - 54	
	Chainwheel mount	8 - 11	12 - 14 (steel) 8 - 9 (alu)	
Sealed cartridge bearing	Shell (square-head)	49 - 69		
	Shell (Shimano Hollowtech II, SRAM Giga X Pipe)	35 - 50	34 - 41	
	Octalink	50 - 70		

Component	Bolted connections	Shimano ¹ (Nm)	SRAM/Avid ² (Nm)	Tektro ³ (Nm)
Pedal	Pedal axle	35		
Shoe	Cleat	5 - 6		
	Spike	4		
Brake (V-brake)	Cable clamp	6 - 8	6 - 8	6 - 8
	Brake shoe mount	6 - 8	6 - 8	6 - 8
	Brake pad fixing	1 - 2		
	Brake boss frame/fork			8 - 10

¹www.shimano.com ²www.sram.com ³www.tekro.com

Recommended torque settings for disc brakes and hydraulic rim brakes

Component	Shimano ¹ (Nm)	Avid ² (Nm)	Tektro ³ (Nm)	Magura HS ⁴ (Nm)
Brake caliper mount on frame/fork	6 - 8	9 - 10 (IS adapter) 8 - 10 (brake caliper)	6 - 8	6
Brake lever unit on handlebars - Single-bolt clamp	6 - 8	Discrete Clamp Bolt/ Hinge Clamp Bolt/ XLoc Hinge Clamp Bolt: 5 - 6 Pinch clamp bolt: 2.8 - 3.4 Split Clamp Bolts / Match Maker Bolts: 3 - 4	5 - 7	4
- Two-bolt clamp		4 - 5		
Union screws of cable at grip and normal cable at brake caliper	5 - 7	5		4
Brake cable connector at brake caliper (disc tube cable)	5 - 7			
Expansion tank cap	0.3 - 0.5			
Bleeding device brake caliper	4 - 6		4 - 6	
Bleeding device brake lever			2 - 4	

Component	Shimano ¹ (Nm)	Avid ² (Nm)	Tektro ³ (Nm)	Magura HS ⁴ (Nm)
Brake disc fixing (6-holes)	4	6.2	4 - 6	
Brake disc fixing (centerlock)	40			
Hose (union nut) direct connection				4
Slave cylinder (bleeder screw)				4
Brake pad retainer at brake caliper			3 - 5	

¹ www.shimano.com ² www.sram.com ³ www.tekro.com ⁴ www.magura.com

These values are reference values of the above-mentioned component manufacturers. Observe the values in the instructions of the component manufacturers on the enclosed MERIDA CD-ROM.

These values do not apply to the components of other manufacturers.



Due to the unmanageable number of components on the market, MERIDA is not in a position to foresee every product that will be replaced or newly assembled by third parties. Therefore MERIDA denies any liability for such kind of additions or modifications with regard to compatibility, torque values etc. Whoever assembles or modifies the MERIDA pedelec shall ensure that the pedelec was assembled according to the state-of-the-art in science and technology.



Some components have the maximum permissible torque values printed on them. Use a torque wrench and never exceed the maximum torque value! If you are in doubt or if you have any questions, contact your MERIDA dealer.

Warranty and guarantee

Your MERIDA pedelec was manufactured with great care. Normally it is delivered to you by your MERIDA dealer fully assembled.

As direct purchaser you have full warranty rights within the first two years after purchase. Please contact your MERIDA dealer in the event of defects.

To ensure a smooth handling of your claim, it is necessary to present your receipt, your bike card and the handover report. Therefore, be sure to keep these documents in a safe place.

To ensure a long service life and good durability of your MERIDA pedelec, use it only for its intended purpose (see the chapters "Before your first ride" and "Intended use"). Please observe the permissible load specifications as specified on the bike card. Be sure to follow the mounting instructions of the manufacturers (above all, the torque values of the bolts) as well as the prescribed maintenance schedule.

Observe the checks and routines listed in this translation of the original MERIDA operating instructions, in your comprehensive MERIDA user manual, the system instructions of your drive manufacturer and the instructions of the component manufacturers on the enclosed MERIDA CD-ROM (see the chapter "Service and maintenance schedule" in your comprehensive MERIDA user manual) or the replacement of safety-relevant components, such as handlebars, brakes etc, if necessary.



Keep in mind that retrofitted accessories can impair the functioning of your MERIDA pedelec. If you are in doubt or if you have any questions, contact your MERIDA dealer.



The law referring to full warranty rights is only valid in the countries where the law has been ratified according to the renewed European regulations. Please inform yourself about the situation in your country.

A note on wear

Some components of your MERIDA pedelec are subject to wear due to their function. The rate of wear will depend on care and maintenance and the way you use your MERIDA pedelec (mileage, riding in the rain, dirt, salt etc.). MERIDA pedelecs that are often left standing in the open may also be subject to increased wear through weathering.

The components below require regular care and maintenance. Nevertheless, sooner or later they will reach the end of their service life, depending on conditions and intensity of use. Parts that have reached their limit of wear must be replaced:

rechargeable battery

drive chain

brake pads

brake fluid (DOT)

brake discs/rotors

brake cables

brake cable housings

seals of suspension elements

rim sides (of rim brakes)

rims (of rim brakes)

incandescent bulbs/LED

rubber grips

chainwheels

chainstay protection

lamps

tires

sprockets

saddle covering

pulleys

lubricants



Ask your MERIDA dealer about any additional guarantee given by the manufacturer of your MERIDA pedelec and insist on having it as printed version.

Guarantee on MERIDA bikes

Your MERIDA bike is guaranteed (as of date of purchase to the initial buyer):

- Lifetime guarantee against rupture of all carbon and aluminum frames.
- 5 years for carbon and aluminum rigid forks
- 3 years against frame rupture of all full-suspension models from a spring travel of 140 mm on
- 1 year against frame rupture of all dirt jump models and MERIDA labeled parts
- 1 year guarantee on paint and stickers

In a guarantee-activating event MERIDA reserves the right to provide a bike of the current successor model in an available color, or if no such bike is available, a higher grade model.

Guarantee claims for shock absorbers, suspension forks and other branded accessories will not be processed by MERIDA, but by the component manufacturers' national distributors.

Your direct contact in any case should be your MERIDA dealer, who will be pleased to answer your inquiries.

The manufacturer's guarantee only applies to claims made by the initial buyer and substantiated by presenting the customer's receipt, the delivery receipt and the bike card stating the date of purchase, dealer address and model and frame number. It can also be claimed through an online registration at www.merida-bikes.com (not available in all countries) by the initial buyer.

Guarantee claims will only be accepted, if the bike has been used for none other than its intended use, had an inspection during its first 500 km or the first six months after purchase, has been fitted with none other than original spare parts or accessories and had its suspension systems serviced by a MERIDA dealer once a year at least.

The guarantee does not cover labor and transport costs, nor does it cover follow-up costs resulting from defects.

The guarantee does not apply to bikes that have been used in competition, for jumping or that have been subjected to any other kind of overstress. Coverage for competitive use is only provided in the case of carbon frames for the types road bike, cyclo-cross, mountain bike hardtail and full suspension up to 100 mm.

The guarantee does not apply to bikes that have been used for jumping or subjected to any other kind of overstress. It does not cover damage resulting from wear, neglect (insufficient care and maintenance), falls/accidents, overstress caused by overloading, incorrect mounting or improper treatment or resulting from changes to the bike in connection with the mounting or alteration of additional components.

Diligent compliance with the manufacturers' mounting instructions and maintenance intervals as prescribed in this manual are crucial to a long service life and good durability of the bicycle components. Non-observance of the assembly instructions or maintenance intervals renders the guarantee null and void. Please observe the checks described in this manual as well as all instructions concerning the regular replacement of safety-relevant components, such as the handlebars etc.

These guarantee conditions are voluntary benefits of MERIDA. Moreover, the buyer may benefit from additional legal rights which vary from country to country. To find out more just ask your MERIDA dealer.

Remarks for Australian MERIDA customers

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced, if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits to the consumer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods and services to which this warranty relates.

In case of any inquiries, please contact your national distributor; visit www.merida.com to find the address.

These provisions of the guarantee are applicable as of model year 2015.

MERIDA Industry Co., LTD.
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Phone: +886-4-8526171
Fax: +886-4-8527881
www.merida-bikes.com



Service schedule



1st service - After 100 – 300 kilometers or 5 – 15 hours of use at the latest or after three months from date of purchase

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

2nd service – After 2,000 kilometers or 100 hours of use at the latest or after one year

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

3rd service – After 4,000 kilometers or 200 hours of use at the latest or after two years

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

4th service – After 6,000 kilometers or 300 hours of use at the latest or after three years

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

5th service – After 8,000 kilometers or 400 hours of use at the latest or after four years

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

6th service – After 10,000 kilometers or 500 hours of use at the latest or after five years

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

7th service – After 12,000 kilometers or 600 hours of use at the latest or after six years

Order no.: Date:

Replaced or repaired parts:

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.....

Stamp and signature
of the MERIDA dealer:

8th service – After 14,000 kilometers or 700 hours of use at the latest or after seven years

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

9th service – After 16,000 kilometers or 800 hours of use at the latest or after eight years

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

10th service – After 18,000 kilometers or 900 hours of use at the latest or after nine years

Order no.: Date:

Replaced or repaired parts:

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Stamp and signature
of the MERIDA dealer:

11th service – After 20,000 kilometers or 1,000 hours of use at the latest or after ten years

Order no.: Date:

Replaced or repaired parts:

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.....

Stamp and signature
of the MERIDA dealer:

12th service – After 22,000 kilometers or 1,100 hours of use at the latest or after eleven years

Order no.: Date:

Replaced or repaired parts:

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.....

Stamp and signature
of the MERIDA dealer:

Bike card

Manufacturer _____

Model _____

Frame no. _____

Color _____

Drive system: Mid-mounted motor

Battery model _____

Key no. _____

Voltage (Volt) _____

Ampere-hour (AH) _____

Capacity (watt hours) _____

Suspension forks

(Manufacturer/model) _____

Serial no. _____

Rear shock

(Manufacturer/model) _____

Frame type _____

Frame size _____

Size of wheels and tires _____

Special features _____

(Hint to the dealer: Copy the bike card and the handover report and keep one copy in your customer file. Send another copy to the bike manufacturer)

Intended use

- | | |
|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> Category 0 | <input type="checkbox"/> Category 3 |
| <input type="checkbox"/> Category 1 | <input type="checkbox"/> Category 4 |
| <input type="checkbox"/> Category 2 | <input type="checkbox"/> Category 5 |

Permissible overall weight

MERIDA bike, rider and baggage _____ kg

Pannier rack yes no

Permitted overall load _____ kg

Child seat permitted yes no

Trailer permitted yes no

Permissible trailer load _____ kg

Brake lever

Right lever

Left lever

Brake assignment

Front wheel brake

Rear wheel brake

Front wheel brake

Rear wheel brake



Read chapter "Before your first ride" in the translation of these original MERIDA operating instructions.

Stamp and signature of the MERIDA dealer

Handover report



The above-described MERIDA pedelec was delivered to the customer ready for use, i.e. after its final assembly, inspection and functional check as described below (additionally required routines in parentheses).

- Lighting
- Brakes front and rear
- Suspension fork (adjusted to suit customer)
- Rear shock (adjusted to suit customer)
- Wheel set (trueness/spoke tension/tire pressure)
- Handlebars/stem (position/bolts checked with torque wrench)
- Pedals (adjustment of release force if necessary)
- Saddle/seat post (height and position of saddle adjusted to suit customer, bolts checked with torque wrench)
- Gears (limit stops!)
- Bolted connections of attachment parts (checked with torque wrench)
- Other routines performed
- Test ride

MERIDA dealer

Last name _____

Street _____

City _____

Phone _____

Fax _____

E-Mail _____

Handover date, stamp and signature of the MERIDA dealer _____

The customer confirms with his signature that he received the MERIDA pedelec in proper condition along with the accompanying documents specified below and that he was instructed on the proper use of the MERIDA pedelec.

User manual/Operating instructions with MERIDA CD-ROM

Additional instructions

- Brake system
- Gear system
- Seat post, stem
- Suspension seat post
- Suspension fork/rear shock
- Pedal system
- System instructions of the drive manufacturer
- Others

Customer

Last name _____

First name _____

Street _____

ZIP code/city _____

Phone _____

Fax _____

E-Mail _____

Location, date, signature _____



M.O.R.E.[®]
BIKE

[MERIDA.com](https://www.merida.com)



MERIDA.com

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