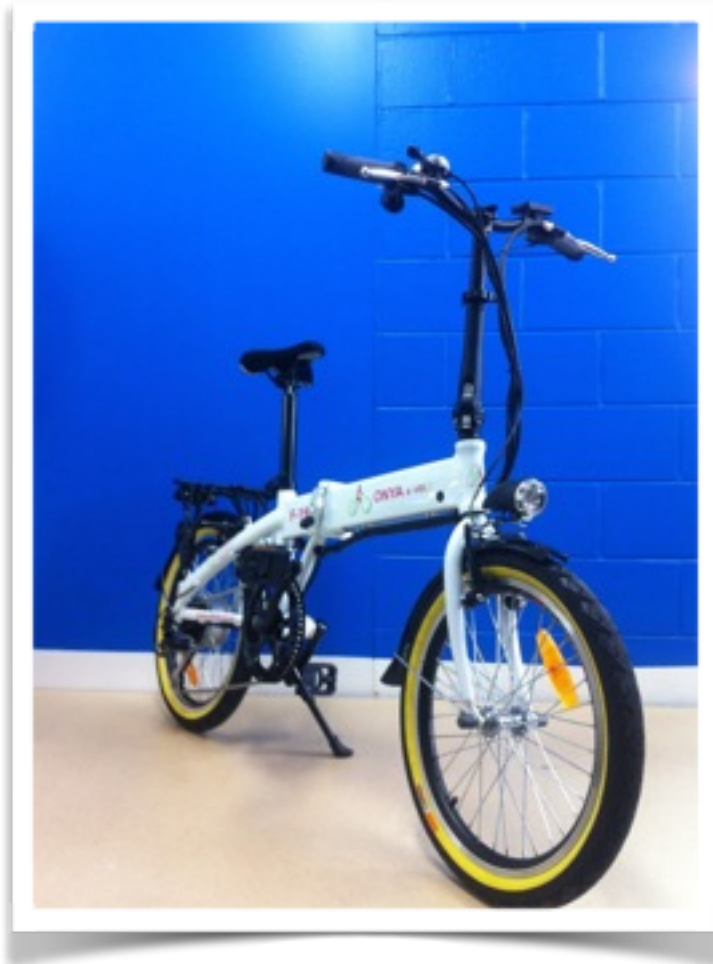




ONYA F-19



User Guide and Warranty



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Contents of Shipping Carton

Your brand new ONYA F-19 comes with:

- ONYA F-19 electric-assist bike
- Battery (36V, 8ah in bike frame)
- LI-ion battery charger
- 2 x pedals
- 2 x ignition keys
- 2 x battery keys
- Front light (installed)
- Rear light (installed)



Fig. 1: Shipping carton contents

You will need a bike pump to inflate the tyres.

You will also need 1 x nr. 5 Allen key + 1 x nr. 15 spanner

The battery is only partially charged. We recommend that you charge it fully overnight before riding it for the first time.

Assembly Instructions

Your new ONYA F-19 is shipped inside a protective cardboard carton and well packaged to avoid damage. We ship them 90% assembled.

Follow these steps to get it ready and safe for you to ride.

1. Lift your ONYA F-19 carefully out of the box. We recommend you have 2 people to do this task. Remove the nylon zip ties, bubble wrap, and packaging from the bike.
2. Fold out the bike frame completely. Move the black safety catch into lock position (Fig. 2)



Fig. 2: Safety latch in LOCK position

3. Pump air into the tyres. We recommend between 40 and 50 psi
4. Insert the handle bar into the steering column. This might require some gentle maneuvering of the brake/gear cables.

TAKE CARE NOT TO TWIST THE CABLES!!

5. Before standing the steering column up, make sure that the column is at its lowest position, and certainly that it is not fully extended. If the column is too extended then you will stretch, and possibly break the gear and brake cables!!

MAKE SURE THE STEERING COLUMN IS IN ITS LOWEST POSITION BEFORE RAISING!!

6. Stand astride the front wheel and gently align the handle bars such that they are perpendicular to the frame
7. Fold the steering column down again to access the steering column nut (Fig. 3). Tighten the steering stem nut using the nr. 5 Allen key
8. Use the nr. 5 Allen key to tighten the 2 side nuts on the steering column (Fig. 4a and 4b)



Fig. 3: Tighten steering nut



Fig. 4a: Tighten side nut RHS



Fig. 4b: Tighten side nut LHS

9. Stand the steering column up again (gently) and re-click into position.
10. Adjust the height of the handle bars to the riding position again ensuring that there is sufficient slack in the gear and brake cables. If the cables are taught, the brakes will lock on and the motor will not engage. So, if your bike does not move forward freely it is likely that there is too much tension in the cables. Lower the height of the handle bars to give a little more slack if that is the case
11. Use the kickstand and stand the bike on its own
12. Loosen the grip on the seat column and twist the seat into forward-facing position
13. Insert the ignition key and turn ON. The panel will light up when ON.
14. The initial charge is very limited. We recommend that you give the battery a full deep charge before riding her for the first time (ie. charge overnight)

15. Attach the pedals. NOTE: There is a pedal for the left-hand (marked L -on thread end) side and one for the right-hand side. Insert one into position and gently turn the pedal nut into the anticlock-wise. Use the nr. 15 spanner to tighten the pedal nut tight, holding against opposite crank.



Fig. 5: Attach pedal in anti-clockwise direction



Fig. 6: Attach bung on rear tyre nut

Pre-Ride Checklist

Important: The following steps should be performed by a qualified cycle or electric-assist bicycle technician:

1. Ensure the brake lever sequence is correct for your country before riding. In NZ, Australia, and UK: the left-hand brake lever is for the rear brake, and the right-hand level is for the front brake. In all other countries, it is the other way (left for front, and right for rear).
2. Check the tyres for any visible damage.
3. Check tyre pressures are 40-50psi, and adjust if necessary.
4. Check for any loose nuts, bolts, or fixings. Regularly check center allen-hinge-fold bolt and tighten if necessary.
5. Check brake functions, cable tension, pad clearance, etc.
6. Check all electronic functions are OK (functions detailed later in this manual).
7. Check all lights and reflectors are in place and functioning correctly (detailed later in this manual).

Recommendations for Safe Riding

- Respect the traffic regulations. Don't lend your bicycle to anyone who is unfamiliar with it. The bicycle can be legally only used on the road by a person aged 14 years or over.
- Wear a bike helmet (on your head). If you are unfamiliar with cycling, we'd also recommend that you take a cycle proficiency course before using it, or get some advice from your local ONYA dealer. Your F-19 is a serious transport vehicle.
- As with all bicycles, it is important to respect safety limits. If you feel you are traveling too quickly for the road conditions, then slow down. High speed will increase forces in the case of an accident and likely compound further the risk of injury.
- Test the brakes each time before you use your bike. Remember that your brakes will not perform as effectively in wet or icy conditions compared to riding on dry road.
- Check tyres, rims, pedals, steering stem, cables, chain etc for general condition, regularly.
- Visibility while riding is vital at all times. Be aware that it's particularly difficult for motorists and pedestrians to see cyclists at dusk, night, fog, or rainy conditions. If you must ride in such conditions that you take necessary precautions and follow the rules of the road. Suggestions for additional precautions are:
 - wearing reflective clothing, or arm/foot bands
 - equipping your bike with additional reflectors (front and/or rear)
 - riding at speeds that are appropriate to the condition
- Check the front and rear rim's safety line. Replace wheel when any part of the Rim Wear Groove is not visible.
- Do NOT fit a child seat to your ONYA F-19. The bike is not designed to carry any child seat.
- As part of warranty conditions, we require that you service the bike at an approved ONYA e-Velo dealer:
 - after 1 month or 200km of riding (whichever comes first) to re-tension spokes
 - every 6 months or 1000km (whichever comes first) for general service and inspection

Maintenance and Adjustment

Lubrication

Once a month, lubricate all pivot points on your derailleur and the derailleur pulleys with suitable chain lube.

Every three months, lubricate the brake lever pivots, gears and chain with suitable oil and the V-brake bushes (not the rubber brake shoes or disc) with a little grease.

Once a year, have your dealer re-grease the bottom bracket bearings, headset bearings, and wheel bearings.

Gear Adjustment

Adjust the cable tension Adjustment Bolt to align the guide pulley with the centre of the cogs (setting this while in gear 3 or 4 is easiest):

- Low adjustment: In 1st gear check and if necessary, turn the L adjustment screw so that the guide pulley move to a situation directly in line with the largest (1st gear) sprocket.
- High adjustment: turn the crank arm while gear shifting the derailleur to move the derailleur to the top gear position, and then check and if necessary, turn the H adjustment screw to adjust so that the guide pulley is in line with the outer line of the smallest sprocket when looking from the rear. Turn the cranks arm to set the derailleur to the low position.

Adjusting the Chain

Your bike has a rear derailleur that will automatically tension your chain. However, if the chain becomes loose or frequently comes off the drive wheel, you can easily adjust the chain tension by loosening the rear axle nuts slightly, and adjusting the tension bolts. Make sure that the chain runs freely and re-tighten the axle nuts.

Other Maintenance

Your bicycle must be checked out by your servicing ONYA dealer or bicycle mechanic after one month or 200km of riding (whichever comes first) to re-tension the spokes. Then every six months or 1000km (whichever comes first) for a general service and thorough inspection. Failure to do so can void your warranty due to unnecessary wear and tear.

Cleaning your ONYA F-19

Warm soapy water and a cloth can be used to clean the frame of your bike.

DO TAKE CARE not to immerse any of the electrical components in water; they are rainproof but cannot be immersed in water.

The motor can be cleaned with a soapy cloth but must also not be immersed in water.

The battery can be cleaned with a damp cloth, then dried afterwards.

NOTE: In salty conditions, it is essential to clean and lube your bike regularly. Anti-rust wax or silicone based products are ideal to prolong life of metal components. Spraying or brushing these after the periodic clean will greatly help reduce the rust.

Battery Instructions

Excluding the electric drive side of things, your ONYA e-Velo is a normal bicycle, with standard bicycle components.

Your Dealer will be able to explain to you the general care and maintenance of these components. You should take your bike in for a check-up after about 1 months' use as new gear, brake cables will stretch - and then every 6 months after that.

The electric drive system is maintenance free. Speak to your Dealer should any issues arise.

Charging Your Battery

You can charge the battery on or off the bike.

The charge terminal is on the left-hand side of the bike frame.

Pull out the rubber cap and plug in your charger (Figure 7). The charge light on the charger will show red when charging and will turn green when the battery is fully charged.

NOTE: Take care to re-insert the rubber cap before re-using your bike.



Fig. 7: Charging battery on your ONYA e-Velo

Removing the Battery

Insert the key into the keyhole on the right-hand side of the bike frame and turn.

Remove the black security latch to the UNLOCK position (move anti clockwise 90°).

Lift the centre brace lever and fold the bike frame to expose the battery.

Slide the battery out from within the frame using the battery handle.



Fig. 8a: UNLOCK security latch



Fig. 8b: Expose the battery



Fig. 8c: Slide battery out from frame

Power On/Off

All the electric-assist bike components (throttle, brake sensors, controller, etc) on the ONYA F-19 have isolating marine-rated plugs.

If you should damage a component, replacement should be straight-forward.

Take the bike to your ONYA dealer and they will order the replacement part.

Pedal-Assist Level Selection

Your ONYA F-19 has 3 levels of pedal-assistance: Low, Medium, and High.

When you first ride your electric-assist bike, you will notice that after one turn of the pedals, the motor will start working (you will both hear and feel the difference) and assisting you to ride the bike by adding power into the rear wheel.

You must keep pedaling to keep using the pedal-assist mode. If you stop pedaling, the motor will continue a short while then stop and the bike will slow to a halt. The motor will start up as soon as you start pedaling again.

With each increasing level of pedal assistance, you get an increasing level of support from the motor:

- Move from LOW to MEDIUM by pressing the MODE button
- Press the MODE button once again to move from MEDIUM to HIGH
- Pressing the MODE button while in HIGH, will reduce the level of assistance back down to LOW

Your throttle will have different functionalities.

In EU and Australasia, the throttle will work to 6 kph unassisted (without pedaling). It will only function above that if you are pedaling. In other countries, it will be fully active whether you are pedaling or not

If the bike is turned on, be careful when mounting the bike that you do not twist the throttle as the bike will accelerate away from you and may cause injury.

Note: Your brake levers have sensors that will automatically cut the motor power when you use the brakes.

Throttle Mode

Insert the key into the ignition and turn clockwise.

The display lights will turn on.

Turning the ignition key counter-clockwise turns the bike into OFF position.

Folding Your ONYA F-19

1. Release the seat clamp and descend seat fully
2. Fold up the pedals (Figure 9):
 - Place pedal in palm of hand
 - Insert fingers in middle of pedal
 - Squeeze
 - Flip pedals upright
 - Repeat on other side
3. Remove black safety latch to UNLOCK position (move anti clockwise by 90°)
4. Put up the kick-stand
5. Release the steering column and fold down:
 - On the steering column, lift the first safety latch
 - Fold the safety latch backwards until the main clip is released
 - Fold the column down
6. Standing on left-hand side of frame, lift the silver centre brace lever out and upwards. The bike frame will start to fold inwards (Figure 10)
7. Move to position yourself behind the rear wheel of the bike and fold the front wheels around to lie alongside the rear wheel.
8. The bike should stand balanced on the seat stem



Fig. 9: Fold up pedals



Fig. 10: Folding bike in half



Do's and Don'ts

DO treat your ONYA F-19 like any bike that you would want to last well. As a minimum, keep it stored somewhere secure and out of the rain

Do NOT treat your ONYA F-19 as a dirt-bike! The motor and battery are weather proof but not totally water-tight. It is OK in the rain, but not good riding through streams or flood waters

Never take your ONYA F-19 on the beach as salt water and sand will drastically reduce the lifespan of many of the bikes' components (motor, gears, wiring connections, etc).

Your warranty is void and null if we find evidence of salt, sand or water damage are present in any of the bike's components.

IMPORTANT: If you close to the sea, you must keep your bike indoors when not in use. This will save you money as your components will last longer (and rinse with fresh water as often as possible -salt is your enemy number 1)

Do NOT power up the throttle while the ONYA F-19 is stationary. Motor operation for more than a few seconds while the wheel is locked/stationary can damage the motor and controller.

Note: It is OK to take off from standing/stationary position using the throttle.

IMPORTANT: your kit will arrive with the battery partially charged. You need to give it a full charge before ANY use. The good news is ONYA batteries have been precondition-cycled, so no need to do 3x full deep discharges - as is case for many other types of batteries. Just charge (we recommend overnight) and GO! Then simply top up your batter after each use.

Lithium batteries prefer shallow discharge. Every 3 months, discharge your battery completely and charge fully overnight to keep the cells well balanced.

DO take extra care on the road as you will be travelling faster than you normally do on a bike. Your bike is also power-assisted, so it will behave differently.

Do NOT let others ride your electric-assist bike unless you have explained safe and appropriate use to them.

Do NOT attempt to open the motor or battery should your system malfunction. This will void the warranty. Return it to the store from where you purchased it.

DO make sure your charge has free air movement around it as it will get quite warm.

Do NOT use your charger outdoors. It is for indoors use only.

DO give your battery a full discharge and overnight charge once every 3 months.

DO top up your battery whenever possible. Lithium batteries actually prefer shallow discharge (the exact opposite of older types of batteries that have memory effects). Keeping your battery topped up between rides will prolong the life of your battery and give you more power too, as a full battery is better on the hills.

DO disconnect your battery from the charger when it is charged (or the next day is also fine). Leaving it connected permanently when not in use will shorten cell life.

Never leave a fully discharged battery uncharged for more than one week....you will shorten the lifespan of your battery the longer you leave it in a fully-discharged state.

Do NOT leave your battery for more than 3 months without giving it a top-up charge.

NOTE: A battery left for more than 3 months at a low voltage may suffer cell damage. This will not be covered under your warranty. It is to your advantage to look after your battery properly. Your battery is the most expensive part of your electric-assist bike!



WARRANTY

Your ONYA F-19 is covered by the following warranty:

Battery: 2 years (warranted to still supply at least 60% of rated capacity after 2 years)

Motor: 2 years

Frame: 6 years (frame structural integrity - not including general wear and tear)

Other components: 1 year (not including consumables such as tyres, cables, rubber bungees, handgrips)

Only use genuine replacement parts available through your local ONYA Dealer.

Exceptions to Warranty

- Damage resulting from misuse, not maintaining the bicycle, or not following the guidelines within this User Guide.
- Damage resulting from an accident or deliberate damage.
- Failure to meet the 1-month/200km service check, or 6-monthly/1000km servicing schedule
- Damage due to private repair or alteration by unauthorized service centre
- Failure to produce invoice or proof of purchase

