

ocelot user manual

For optimal performance and safety, review the instructions in this manual.



language versions

- EN:** This document is available for download in additional languages at www.instinctiv.bike
- DE:** Dieses Dokument ist in weiteren Sprachen auf www.instinctiv.bike verfügbar
- FR:** Ce document est disponible dans d'autres langues sur www.instinctiv.bike
- ES:** Este documento está disponible en otros idiomas en www.instinctiv.bike
- IT:** Questo documento è disponibile in altre lingue su www.instinctiv.bike

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your new ocelot

your new ocelot

welcome to the family

This user manual contains important information about your new bike. We advise you to keep this manual at hand so you can consult it whenever necessary. The manual can also be downloaded in digital form from our website www.instinctiv.bike. The Ocelot is classified as an EPAC (Electrically Power Assisted Cycle, otherwise known as a pedelec).

We hope you take the time to read this manual carefully to reduce the risk of hazardous situations. But most importantly, we wish you many enjoyable rides.

The instinctiv team

If you have any questions, please feel free to contact us:

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our mission

We build bikes to inspire you to ride in nature. Away from the city, explore your limits, experience adventure and feel the symbiosis of man and machine. The Ocelot should encourage you to escape the city, explore your limits and seek adventure. With the Ocelot, you ride longer, go further and enjoy every terrain. It's not just a bike, it's a true companion, designed to keep you connected to the outdoors, where you feel most alive.

our goal

The Ocelot started with a simple goal: to create a bike that performs on any trail and inspires you to ride more. Through design focused engineering and numerous test rides, it has become a well-balanced all-rounder. Fast when you need speed, stable when the terrain gets rough, and efficient for long days outside. Everything about the Ocelot exists for one reason: to give you the best ride experience possible.



components



item	description
1	front triangle
2	chainstay
3	seatstay
4	rocker set
a	shock
b	saddle
c	seat post / dropper
d	seat post clamp
e	rear brake caliper
f	rear axle
g	rear brake rotor
h	cassette
i	rear tire
j	derailleur
k	tire valve rear

item	description
l	chain
m	chainring
n	maxon air s motor
o	crank arms
p	handlebar
q	stem
r	brake lever
s	HMI top tube
t	fork
u	front axle
v	front brake rotor
w	front tire
x	tire valve front
y	front brake caliper
z	pedals

intended use

how we test our bikes

The Ocelot is intended and tested for usage classification: All Mountain (Category 4). This category covers bicycles used for downhill riding on unpaved terrain at speeds below 40 km/h (25 mph), as well as all bicycles – with or without pedal assistance – falling under Categories 1, 2, and 3. Jumps must be limited to a maximum height of 120 cm (47 in). The Ocelot has been officially tested under these conditions. This allows us to guarantee high quality and safety during the use of our bikes.



pedelec / EPAC

The Ocelot is classified as a pedelec/EPAC. This means that the bicycle will provide motor support while pedaling. The motor support will shut off automatically when the maximum assistance speeds is reached.

- ⓘ Per country there are different restrictions and/or regulations regarding the use of pedelecs, therefore it is recommended to inform yourself of all applicable legal requirements and regulations in your country or state. We cannot be held responsible for how you choose to use your Ocelot.

elevation gain

Riding in medium support mode you should be able to manage around 1.100 - 1.400 meters of elevation gain on a full battery. However, it should be noted that elevation gain depends greatly on riding style, terrain and rider weight.

bike information

frame weight

The frame itself weighs 3.1 kg, a complete frame set with motor, battery, controller, cables, rear axle, sensors and head tube bearing weighs 7.5 kg.

bike weight

Depending on components the weight of a full bike will range from 16.8 kg - 19.3 kg in size LG, without pedals.

rider weight

To ensure the safe use of the Ocelot, we established a rider weight limit. This limit takes into account the maximum weight of the rider including gear and luggage. The Ocelot has been designed and tested for this weight to provide structural support and guarantee safe use of the bicycle.

rider weight limit: 120 kg

riding the ocelot

The maxon AIR S system in your Ocelot only provides pedal assistance while you are pedalling and the bike is in motion. The level of pedal assistance depends on the force applied to the pedals. If you stop pedalling, the motor stops providing assistance.

- ! It should be noted that the Ocelot can be ridden without motor assistance by switching off the maxon driving system. However, switching off the system is not recommended, as the bicycle is quite heavy and requires an increased amount of energy from the rider. Riding without a battery can therefore lead to dangerous situations.

riding the ocelot

before each ride

Before riding your Ocelot, always make sure to check a few things. We have created a checklist for you to refer to before stepping on your bike. Make sure you always go through it so that you don't encounter any unexpected situations.



checklist

- battery: check the charge level. make sure the battery is fully charged.
- remote control: know the function of each button. make sure to know how to change the motor support level and switch the motor on or off.
- riding distance: check your planned distance. For longer rides, bring your maxon battery extender. running out of power can create dangerous situations.
- inspection: inspect the bike thoroughly on these points: tire pressure, suspension pressure, tru-axle securement, brakes, and battery condition.
-

- maintenance: replace worn parts such as the chain, brake pads, or sprockets on time, or schedule periodic professional maintenance.



general notes

- always wear a helmet and protective gear that complies with CE safety standards.
- adjust your seat post to the appropriate seat height.
- never ride under the influence of alcohol or drugs.
- do not carry passengers.
- avoid riding through deep water; the motor and battery are splash-proof, not waterproof.
- always carry an emergency kit in case of accidents.
- do not leave the battery charging unattended.
- store the bicycle and battery in a dry location, away from extreme heat or frost.
- be aware that wet weather conditions can increase breaking distances

assembly notes

general notes

This bicycle has been assembled with expertise and care to ensure it is safe to use. The bicycle is fully functional without any further major adjustments once the assembly steps described in this manual have been completed. Always perform a test ride before heading out on the trail. For any adjustments, please contact your dealer or consult us at www.instinctiv.bike.

warning

- do not alter the factory assembly. your bicycle has been assembled and adjusted for safe operation. unauthorized changes may compromise safety.
- no tampering: do not modify the motor, battery, or software.
- do not overtighten or loosen critical bolts.
- bolts on the handlebar, stem, seatpost, and suspension are tightened to precise torque values. incorrect tightening may cause component failure or accidents.
- do not install incompatible parts. Only use components that match the specifications of your bicycle. incompatible handlebars, seatposts, wheels, or suspension parts may create unsafe conditions.
- do not assemble without proper tools. Improper tools or methods can damage components and reduce safety. always use the correct tools and follow the recommended torque settings.

prepare

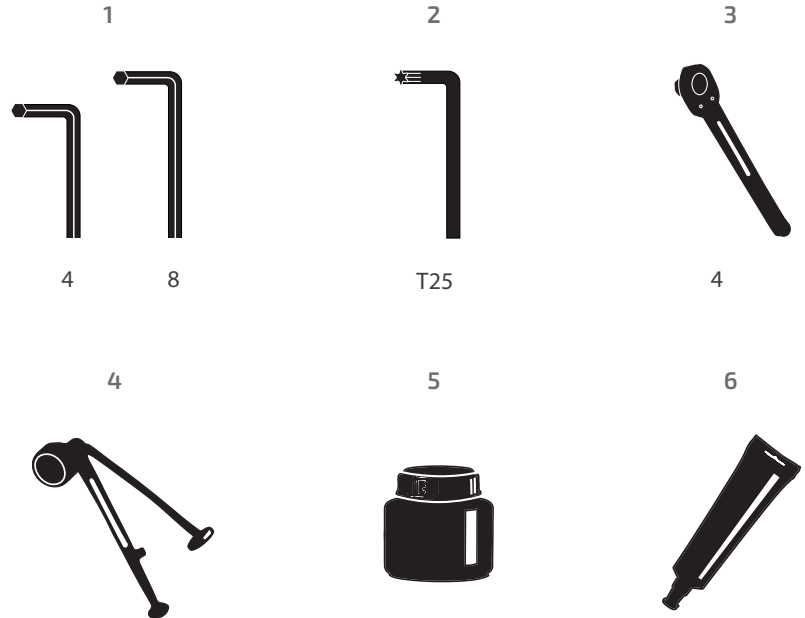
assembly preparations

list of tools needed

1. hex keys: size 4 and 8
2. torx key: size 25
3. torque wrench: with hex bit size 4
4. shock pump
5. bearing grease
6. assembly paste

! It is safest and most convenient to use a work stand during assembly, or to perform the assembly with two people. The frame should not be clamped to the carbon, as too much pressure in one spot can damage the carbon structure.

! If you are unsure about any step, please consult your dealer or our website www.instinctiv.bike.

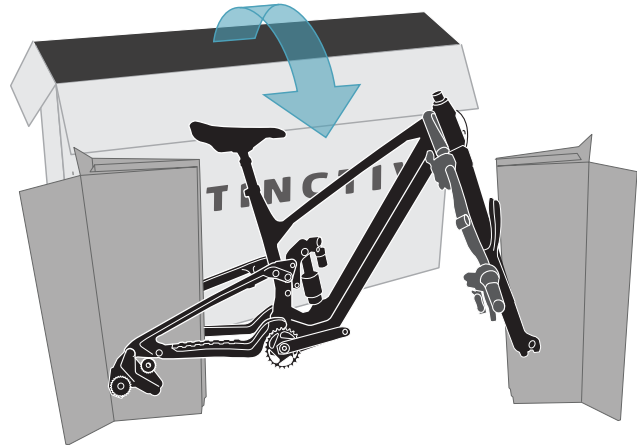


assembly

unboxing



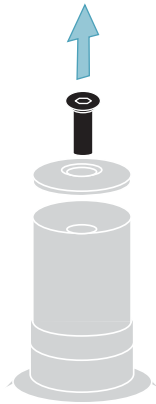
Carefully remove the wheels from the box and place them aside.



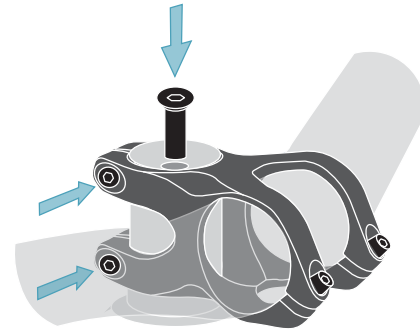
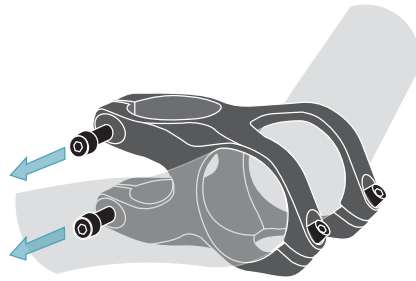
Carefully lift the frame out of the box and place it on the floor standing on its cardboard front & rear support. Make sure the cardboard supports are steadily placed on the ground to keep the frame from falling over.

mounting the handlebar

4 T25



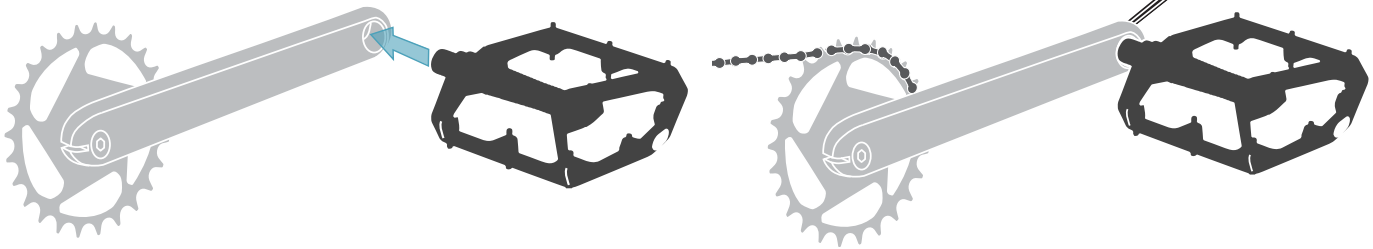
Unpack the handlebar. Remove the topcap from the steerer tube using a hex key, size 4. With the torx key, loosen the bolts on the side of the stem. Place the stem on the steerer tube and align the handlebar.



Place the topcap back and tighten the topcap screw lightly to pre-load the head tube bearings. Gradually tighten the bolts on the side of the stem up to 8Nm.

mounting the pedals

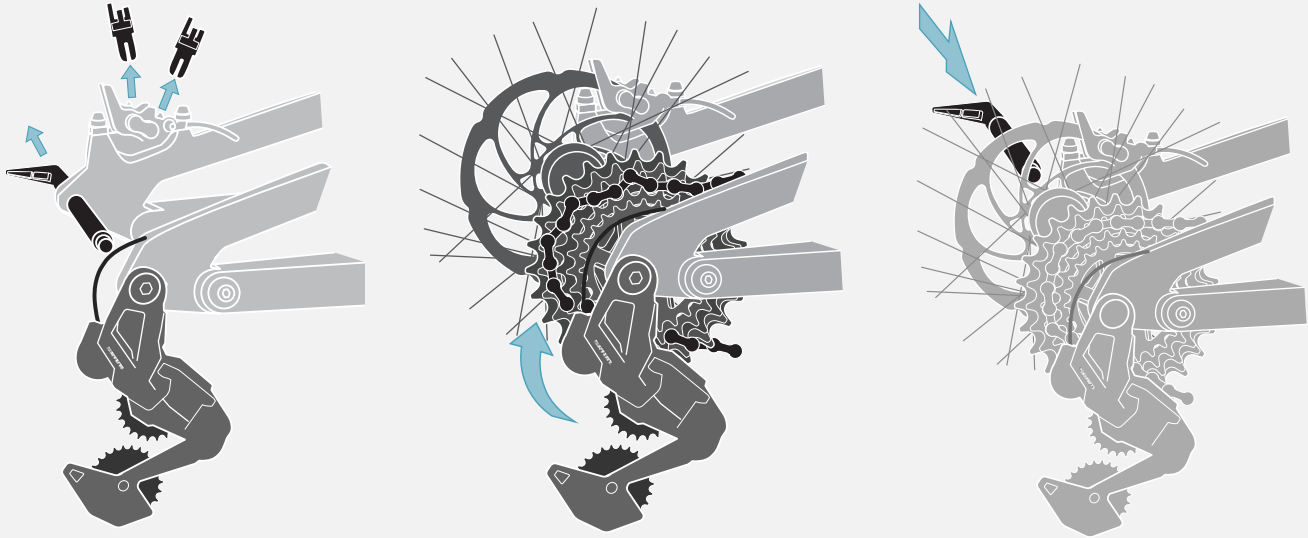
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Take the pedals from the bag and identify the left (non driveside) and right (driveside) pedal. Apply some bearing grease on the threaded sections and screw both of them into the cranks with a forward-peddalling-like rotation.

As such the left pedal (non drive side) is mounted in a clockwise direction, whereas the right pedal (drive side) is mounted in a counter-clockwise direction. Crankbrother Stamps require a 8mm hex key; other pedals may differ. Tight the pedals to 35-40Nm.

rear wheel assembly



During the assembly you can make use of the rear wheel stand. The derailleur can be placed in it.

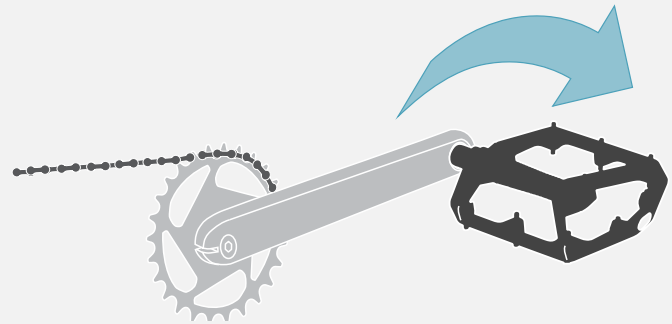
Remove the brake protectors from the rear wheel, unscrew the thru-axle and unpack the chain. Mount the rear wheel from the

bottom. While installing the wheel, make sure to hold the chain first so you can position it around the cassette and mount it properly.

The brake rotor should slide into the rear brake caliper. Secure the wheel by screwing the thru-axle back in.



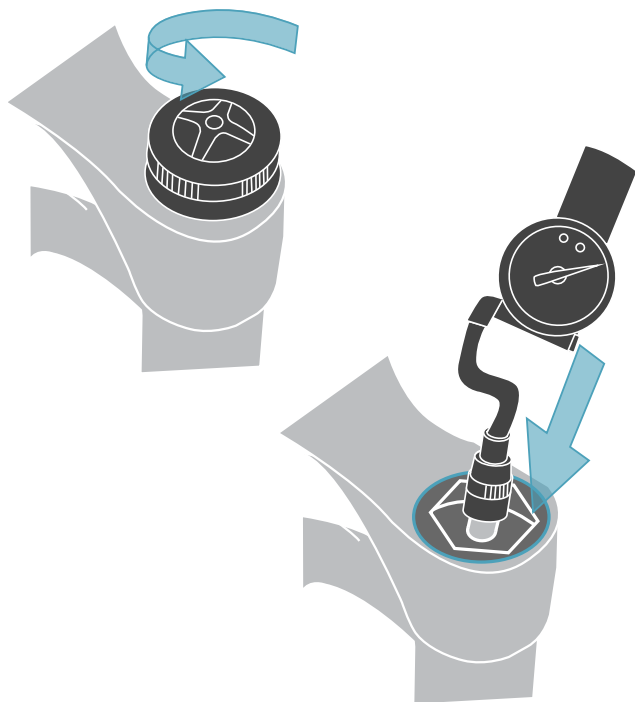
Make sure the chain runs around the cassette and correctly through the derailleur (over the upper pulley and under the lower pulley).



Release the derailleur, check the routing of the chain, and test the setup by carefully rotating the crank arms.

first ride

setup

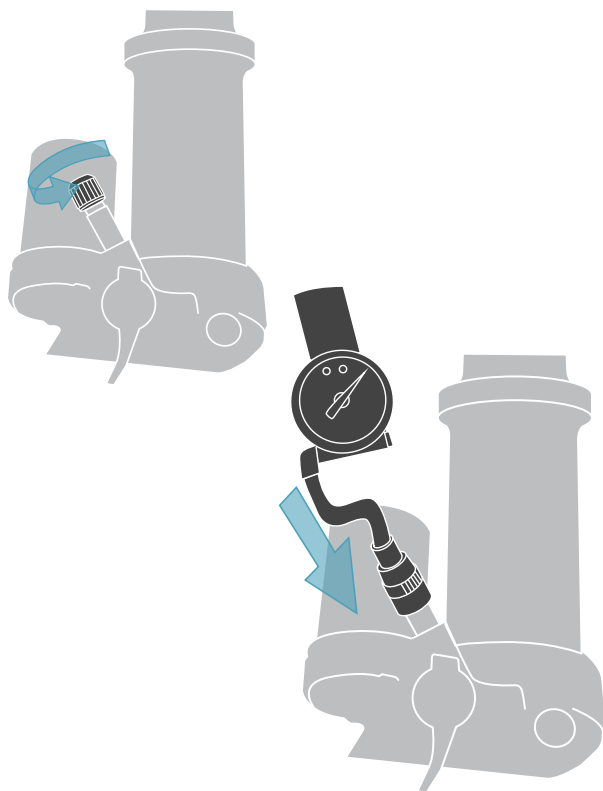


fork pressure

Unscrew the fork cap - located on the fork crown above the left fork leg - and connect the shock pump. As a starting point we provide the following table featuring recommended fork pressures for various riders' weights:

fox		EXT	
weight (kg)	pressure (psi)	weight (kg)	pressure (psi)
60 - 69	70 - 74	60 - 69	70
70 - 79	74 - 85	70 - 79	85
80 - 90	85 - 93	80 - 90	100
90 - 99	93 - 107	90 - 99	115
100 - 110	107 - 115	>100	>130

The above information is based on Fox' 36 forks and the EXT ERA v2; other models may differ. For more information, check the forks' manual or consult the manufacturers' website.



shock pressure

To get the best performance from your rear suspension, adjust the air pressure of your shock to attain an optimal sag setting. Remove the shock valve cap and connect the shock pump. Next, adjust the pressure according to your weight and preference. As a starting point we advice:


weight (kg)	pressure (psi)
60 - 69	160 - 210
70 - 79	210 - 260
80 - 90	260 - 310
90 - 99	310 - 330
100 - 110	330 - 350

For more information on the setup of your shock (e.g. (re)bound clicks) check the manual or consult the manufacturers' website.

brakes

Brake pads develop their full braking power during the bedding-in phase. To bed-in the brake pads, use the following procedure:

- Accelerate the bike up to about 30 km/h (20 mph).
- Make a stop while firmly braking, without slipping.
- Repeat this procedure about 30 to 50 times.
- The brake pads and disc rotors are now properly run in and offer their optimum braking power.

 Before your ride, always pull and hold each brake lever to check that no oil is leaking from any part of the brake system. Also check if the pressure point is clearly noticeable and does not change. Bleed the brake system if this is not the case.

thru-axles

Remember to make sure that both front and rear axles are correctly installed and that your wheels cannot be accidentally released.

chain

It is important to check that the chain is correctly installed and tensioned. Check the chain tension by hand: the chain should deflect slightly when pressed and should not feel tight or loose.

tires

Always make sure the tires are in good condition and inflated correctly. If you want maximum traction, a range of 1.2 - 1.4 bars is recommended.

saddle

First of all make sure that your saddle is level. Then check how far forward or backward you prefer. Placing your saddle more backward gives you more room for descending. Placing it more forward feels better on steep climbs. Position it where it feels best for you to pedal powerfully and comfortably.

The saddle can be raised or lowered while riding using the dropper post. Always ensure that the seatpost is never inserted less than the indicated minimum insertion depth.

handlebar adjustment

Correct handlebar adjustment, including handlebar rotation and control lever position, is essential. Make sure you can reach all components while riding. Incorrect adjustment can negatively affect steering and braking performance.

brake levers

Position your brake lever so that when you reach out, your index finger grabs the very end of the lever. This gives you maximum braking power and confidence.

When you reach for the brakes, your arm, wrist, hand and finger should be in one line. Start with a 45 degree tilt if you ride mostly cross country. If you ride mostly steep downhill terrain, you can point the brake levers up a bit.

power setup



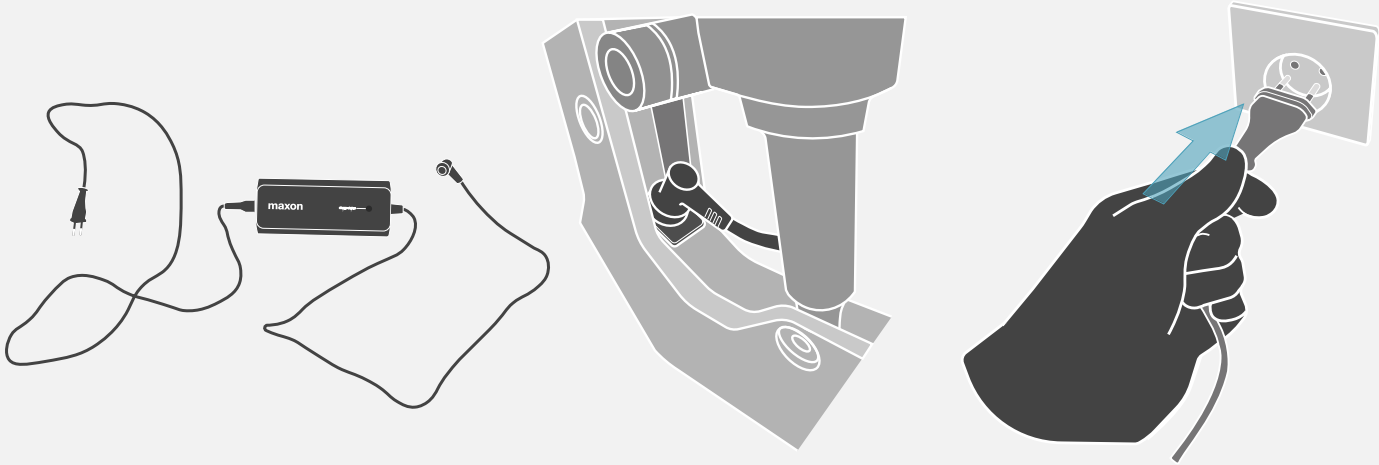
maxon bikedrive AIR S system

The Ocelot is equipped with maxon bikedrive AIR S. It has a max torque of 90Nm, max power output of 620W with 85% efficiency and a motor weight of 2kg.

It consists of the following components:

- the maxon drive unit
- the maxon charger,
- the battery (400 wh) integrated into the ocelot,
- top tube HMI controller
- minimalist drive mode switch on the handlebar,
- (optionally) the range extender (250 wh)
- the maxon app to change technical settings.

charging

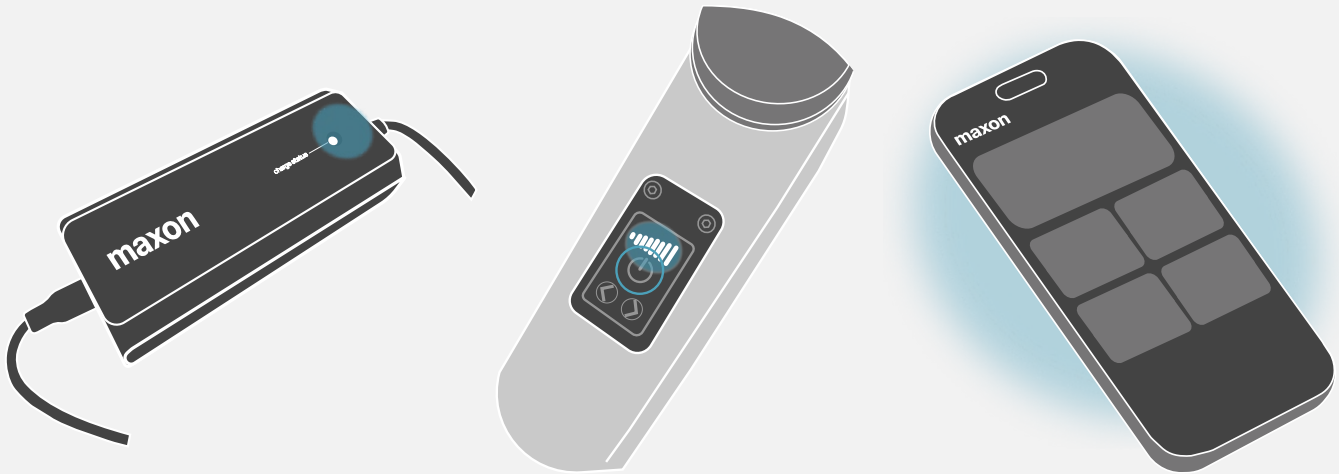


To charge the battery simply insert the maxon charger into the charging port located under the frame behind the shock. Then connect the charger to a power outlet.

warning

Always follow the instructions provided with the battery charger. Using the charger incorrectly or ignoring the specified guidelines may result in damage to the battery, the charger, or the bike.

connect the app



When charging is finished, you can check the battery level by pressing the power button on the controller and checking the number of indicator bars. The system is now ready to use. To turn off the electric assist, press the power button again.

To optimize your riding experience connect the maxon app on your phone and finetune your riding preferences. For detailed instructions on using the drive system please refer to the maxon quick start guide.

system operation

varying levels of assistance

There are three different levels of assistance to choose from with the maxon bikedrive AIR S: cruise, sport and blast. These levels are indicated on the led display with symbols I, II, and III. Using the arrows you can switch between levels while riding. If no bar is lit, level Zero has been selected. The bike does not provide any support.

operation of the system

The LED display provides information about the current status of the e-bike. When the e-bike is switched on, the white Status LED lights up continuously to indicate normal operation. If a range extender is connected and active, the green LED will illuminate to confirm that it has been detected.

When the e-bike is placed in service mode using the service tool, the blue Service LED lights up. This mode is intended for

diagnostics and system configuration only; during this time, the motor does not provide any assistance.

If the bike detects a malfunction, the red Error LED will light up. In this case, the bike must be switched off and then on again to exit the fault condition.

handlebar shifter

Use the handlebar shifter to select the desired level of motor assistance while riding. The assistance level can be changed at any time by operating the shifter on the handlebar, without removing your hands from the grips.

maintenance

maintenance schedule

maintenance	every ride	monthly	annually
check brakes function	●		
check tire pressure	●		
clean and lube the chain	●		
check shock pressure		●	
check fork pressure		●	
check pivot points		●	
check headset play		●	
check tires for wear		●	
check/replace brake pads		●	
check spoke tension		●	
check chain for wear		●	
check cockpit stem and handlebar		●	
check chainring and rear sprocket			●

checking for wear

suspension

Check your suspension pivots now and then for wear. We use high quality bearings, but if you ride a lot in wet and dirty circumstances, your bearings might wear quicker.

All bearings are double sealed. But if for some reason water or dirt will reach the inner compartment of these bearings, they may wear down quicker.

warning

If you start to hear squeaking noises from your suspension links and you ride a lot in dirty and wet conditions, you should contact your local bike shop to do a thorough check.

wheel rims

Regularly inspect the rims for signs of wear or damage. Excessive wear on the rims can weaken the rim structure, which can lead to sudden loss of tire pressure and ultimately to reduced braking performance or sudden loss of control. Replace worn or damaged rims immediately to ensure safe operation.

component replacement

component replacement

Like all mechanical systems, bicycles experience wear over time and can be exposed to significant stress. Different parts and materials may weaken or fatigue in various ways. When a component reaches or exceeds its intended service life, it may fail unexpectedly, which can lead to rider injury. Any signs such as cracks, scratches, discoloration, or other visible changes may indicate that the component has reached the end of its lifespan and must be replaced.

warning

Exposure to elevated temperatures in confined environments can lead to degradation of composite materials and reduced mechanical performance.

specific ocelot parts

If specific parts need to be replaced, you can purchase original parts on our website. We offer thru-axles, various hardware kits, and touch-up paint pens for minor paint repairs.

Always use genuine replacement parts for safety-critical components to ensure proper function and rider safety.

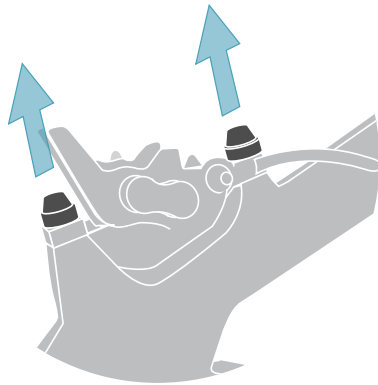
crash inspection

Please be aware that your bicycle frame is constructed from carbon fiber. In the event of a crash or any visible damage to the frame, carefully inspect the bike for cracks, dents, or other signs of structural compromise. If the carbon structure has been weakened, the bicycle may no longer be safe to ride.

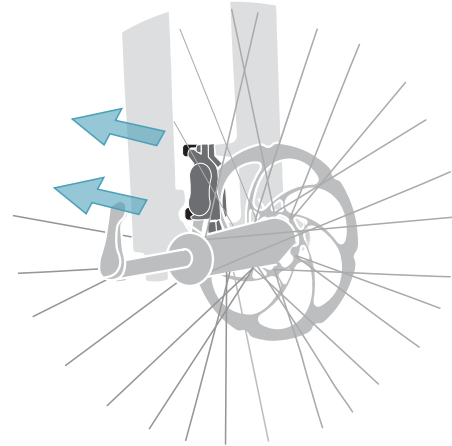
If you are unsure or cannot confirm the condition of the frame, always consult an authorized dealer or service partner before continuing to use the bike.

aligning your brakes

T25



If your brakes do not run smoothly and the brake pads brush against the rotor, realigning the brake caliper with the rotor is needed. Loosen the two bolts that connect the disc brake with the frame with a T25 key. Then, slide a thin piece of cardboard (approximately 2 mm) between the brake pads and the disc on both sides.



Brake and tighten the bolts at the same time. Release the brakes and remove the cardboard.

Make sure not to brake when the pads, rotor or yellow brake adapters are not in place, as doing so will push out the brake caliper pistons.

bike care

cleaning

When cleaning your bike, never use a high pressure or steam cleaner, the seals are not built to withstand the pressure. Use a hose, or bucket and sponge, to wet the bike and remove the majority of the mud and grime that has built up.

If you have a chain cleaning device use it to clean the chain, if not, you'll simply have to apply a degreaser and use a brush. Make sure you have a specific brush for your chain and don't use it on any other part of the bike, particularly the brakes. Contaminating your brake rotors with chain filth will ruin performance and may force you to replace your brake pads.

Use a soft brush to clean the whole bike down. The brushes combined with a detergent will loosen most of the remaining dirt from the bike. Remember the undersides that also need attention. Use fresh water to rinse off the bike. Spin each wheel to rinse all the

detergent out of the tread. Check all the dirt has been lifted off and revisit with the brush if any remains, then rinse again. Use an old dishcloth or chamois leather if you have one to dry the bike.

Apply lube to the chain while turning the pedals. Pay attention to manufacturer recommendations regarding the amount.

bike transport

transport by plane

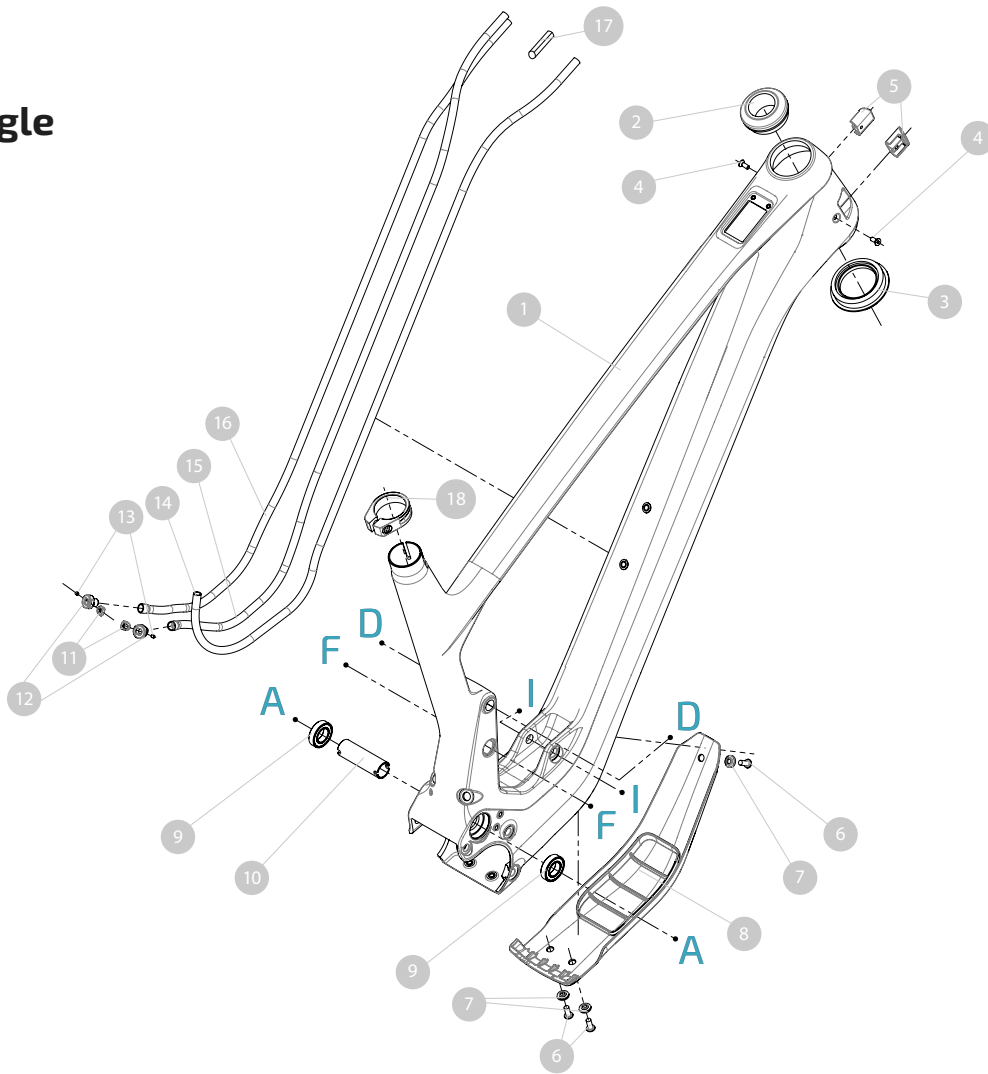
For safe transport by plane, use either the original full cardboard packaging or a designated bike travel bag. Both options are designed to protect the frame, motor, battery, and components during handling and transit. Make sure to check the options with your carrier, many companies will not allow batteries on the plane. Before packing, remove the pedals, lower or remove the seatpost, and secure any loose parts. Ensure there is adequate padding around sensitive areas including the display, drivetrain, and brake system.

transport by car

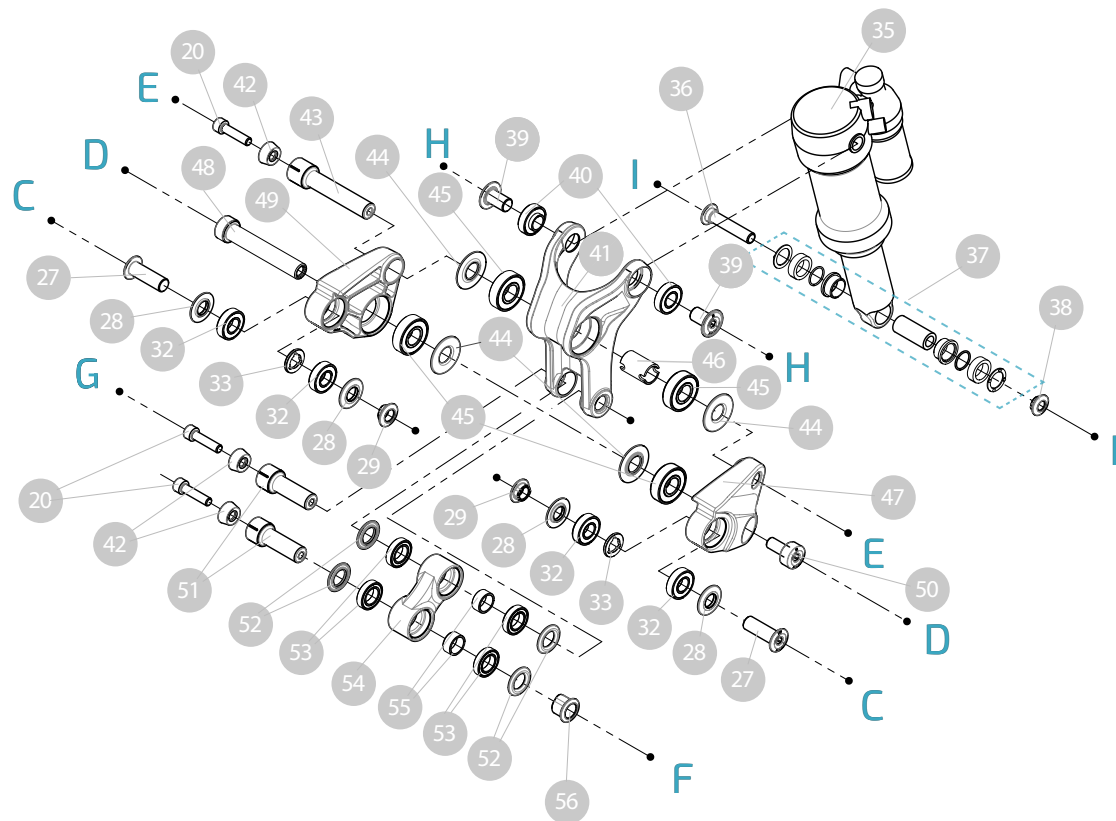
For safe transport by car, use a designated bicycle trailer or carrier.

parts

front triangle



rocker set



list of parts

item	id	qty	item	id	qty		
1	frame front triangle - MD	G21-1022	1	16	cable guide - rear brake	G21-2043	1
	frame front triangle - LG	G21-1020	1	17	cable guide - motor controls	G21-1016	1
	frame front triangle - XL	G21-1024	1	18	seat post clamp Ø 34.9 mm	-	1
2	headset bearing - upper part - acros AZ44	-	1	19	chainstay	G21-1016	1
3	headset bearing - lower part - acros AZ56	-	1	20	M6x20 - cylinder head	-	4
4	M4x10 - countersunk head	-	2	21	pivot A - wedge	G21-2019	1
5	cable guide clamp front	G21-2047	2	22	pivot A - axle	G21-2016	1
6	M5x12 - cylinder head ultra low	-	5	23	pivot A - washer	G21-2017	2
7	downtube protector - mountring	G21-2038	3	24	pivot A - nut	G21-2018	1
8	downtube protector	G21-2037	1	25	chain stay protector - top	G21-2039	1
9	ball bearing - enduro 6902 LLU MAX (15x28x7mm)	-	2	26	chain stay protector - bottom	G21-2040	1
10	pivot A - spacer	G21-2015	1	27	pivot BC - axle	G21-2021	4
11	cable clamp rear - insert	G21-2049	2	28	pivot BC - washer	G21-2022	8
12	cable guide clamp - rear	G21-2048	2	29	pivot BC - nut	G21-2023	4
13	M3x3 - set screw with flat point	-	2	30	seat stay	G21-1018	1
14	cable guide - dropper	G21-2045	1	31	through axle - dt swiss HWQASM00S9923S	-	1
15	cable guide - derailleur	G21-2044	1	32	ball bearing - enduro 6900 LLU MAX (10x22x6mm)	-	8

item		id	qty	item		id	qty
33	pivot BC - spacer	G21-2020	4	rocker body DS - 135		G21-2009	1
34	seat stay protector	G21-2041	1	rocker body DS - 145		G23-2009	1
35	shock - 185x55 trunion	-	1	48 pivot D - axle		G21-2024	1
36	pivot I - axle	G21-2035	1	49 rocker body NDS - 125		G22-2010	1
37	shock bushing set - 8x30mm	-	1	rocker body NDS - 135		G21-2010	1
38	pivot I - nut	G21-2036	1	rocker body NDS - 145		G23-2010	1
39	pivot H - axle	G21-2034	2	50 pivot D - screw		G21-2026	1
40	ball bearing - enduro 6900 LLU MAX-E (10x22x6x9mm)	-	2	51 pivot FG - axle		G21-2031	2
41	shock link body - 125	G22-2008	1	52 pivot FG - washer		G21-2032	4
	shock link body -135	G21-2008	1	53 ball bearing - enduro 6801 LLU MAX (12x21x5mm)		-	4
	shock link body - 145	G23-2008	1	54 frame link body		G21-2007	1
42	pivot EFG - wedge	G21-2029	3	55 pivot FG - spacer		G21-2030	2
43	pivot E - axle	G21-2028	1	56 pivot F - nut		G21-2033	1
44	pivot DE - washer	G21-2025	4	57 battery 400Wh - maxon		-	1
45	ball bearing - enduro 6001 LLU MAX (12x28x8mm)	-	4	58 AIR-S drive unit - maxon		-	1
46	pivot E - spacer	G21-2027	1	59 motor mount washer		G21-2042	1
47	rocker body DS - 125	G22-2009	1	60 M8x20 - cylinder head ultra low		-	3

item	id	qty
61 grooved nut - M36x1	-	1
62 M4x8 - button head flange	-	1
63 magnet carrier six hole disc - maxon	-	1
64 bracket sensor holder - maxon	-	1
65 speedsensor dropout - maxon	-	1
66 tolerance bushing - maxon	-	1
67 locating bolt - maxon	-	1
68 charging port - maxon	-	1
69 M3x8 - countersunk head	-	4
70 HMI - maxon	-	1
71 drive mode shifter - maxon	-	1

warranty

If something is not right, we would like to hear from you. You can always call us at +31 20 820 2212 to discuss the situation. We will investigate and resolve the issue so you can go riding trails again.

We voluntarily grant an extended warranty on our frames for ten years against damage due to manufacturing defects for the original buyer. We will repair or replace, at our discretion, any frame we deem defective.

You can make a warranty claim in accordance with the terms and conditions of the warranty.

To do so, please send us an email with a detailed description of what happened, together with clear images of the damage and image of the full bike.

crash replacement

Our bikes are durably designed. However, if you were to have a big crash or your frame gets damaged in an event not covered under warranty (e.g. transport) we have a crash replacement scheme.

We will make replacement parts available and, if needed, paint and install them for you at a reduced price.

certifications

EC - declaration of conformity

The manufacturer: Instinctiv Bicycles (INSTINCTIV BICYCLES BV
Gedempt Hamerkanaal 253, 1021KP Amsterdam, The Netherlands)
hereby confirms for the following product: the Ocelot, compliance
with all the relevant requirements of:

Machine Directive (2006/42/EC)
Electromagnetic Compatibility (EMC) Directive (2014/30/EU)

Furthermore the following harmonizing norms were applied to the
Ocelot:

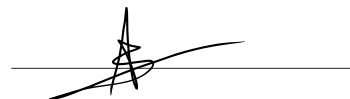
NEN-EN 15194 2017 - Cycles - Electrically power assisted
cycles - EPAC Bicycles
NEN-EN-ISO 4210 - Cycles - Safety requirements for bicycles part
1-5
EN 17404:2022 electrical MTB's

Serial number: _____

Serial number can be found on the silver sticker
underneath the top tube.

Founder: Andreas Knol

Signature: _____



Date: 19 May 2026



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INSTINCTIV