

M O D B I K E S

- ELECTRIC BIKES DESIGNED IN AUSTIN TX -

M O D *Easy* SideCar

ASSEMBLY GUIDE



WARNING! SERIOUS INJURY OR DAMAGE CAN OCCUR WITH USING THIS PRODUCT. DO NOT ATTEMPT TO ASSEMBLE AND USE THIS PRODUCT WITHOUT READING AND UNDERSTANDING THE ASSEMBLY GUIDE AND THIS USER MANUAL FIRST!

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WELCOME TO THE MOD SQUAD!

This guide is here to help you unbox and set up your Easy Sidecar to get you rolling as fast as possible! This guide walks users through how to assemble their **V3** or **Sahara** model sidecars. If you need to assemble another model of MOD Easy Sidecar, please refer to the links on this page: [Get Started](#) ⚡ [MOD Easy](#)



BEFORE YOU BEGIN

To make things easy, we labeled the information in this guide as follows:



Notice: A “notice” is important information that can help you to avoid bike/property damage or extend the life of your bike and parts.



Caution: A “caution” statement indicates a hazardous situation that, if not avoided, could result in minor or moderate injury or property damages.



Warning: A “warning” statement indicates that a hazardous situation exists that, if not avoided, could result in death, serious injury, or property damage.



Danger: A “danger” statement indicates a hazardous situation that, if not avoided, has a very high risk of death, serious injury, or property damages.



WARNING: We highly recommend getting your E-bikes assembled by a professional E-bike mechanic. MOD BIKES is not liable for accidents, injuries, damage, or product malfunctions of products not assembled by a professional.



WARNING: If the E-bike is assembled incorrectly, maintained, or used incorrectly, the E-bike can cause component or performance failure, loss of control, serious injuries, or death. All riders including experienced riders, must read and understand the entire assembly guide and any other documentation that accompanies the E-bike and accessories before riding the E-bike. If you do not understand this manual or feel uncomfortable with your experience, skills, or tools please see the assembly videos on mod-bikes.com, or consult a local professional or certified and reputable E-bike store/dealership.

UNBOXING AND PREPARATIONS

Open the box

The first step will be to remove the plastic straps on the box and cut the tape. Next, open the top of the box which is stapled/taped shut.

***Be careful not to damage the box or packing materials in case you need them in the future.**



Pull components out of the box

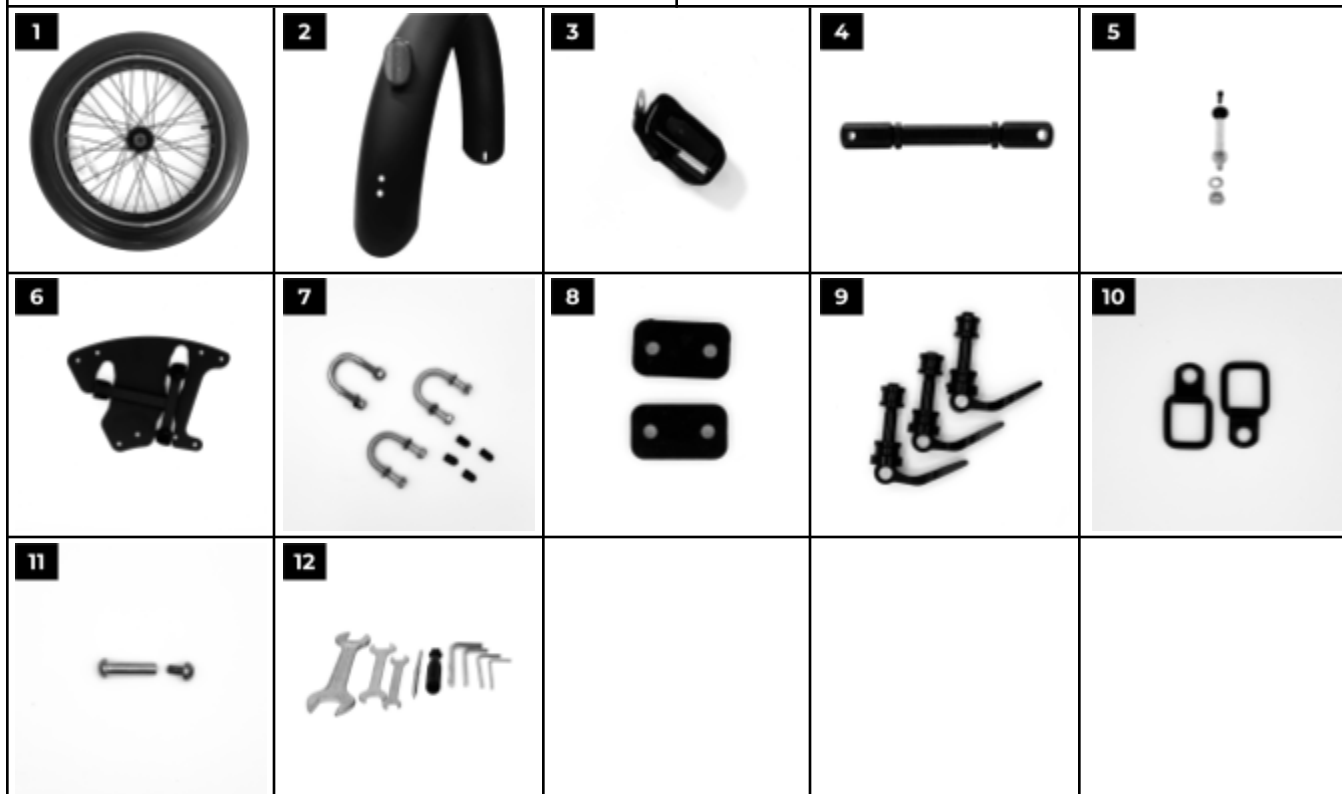
Your side car comes with the frame and seat already installed. Pull out the sidecar and lay out the rest of the components in an organized fashion within your workspace.



Box contents

Most of your bike will already be preassembled, but you should also find the following parts separate for assembly:

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Side Wheel 2. Fender 3. Seat Belt 4. Sideplate Arm 5. Wheel Axle 6. Sideplate | <ol style="list-style-type: none"> 7. Plate C-clamps 8. Plate Spacers 9. Sidecar Quick-release 10. D-rings 11. Barrel Bolt 12. Tools |
|---|--|



Tools

Inside your tool pouch, you will find three double-sided wrenches, a dual-head screwdriver, and multiple hex keys to use through the assembly process.

Your toolkit contains

1. A dual flat-head and Phillip's head screwdriver
2. An 18-21mm wrench, 8-10mm wrench, and 13-15mm wrench
3. A set of hex keys: 3mm, 4mm, 5mm, 6mm



Attaching the fender

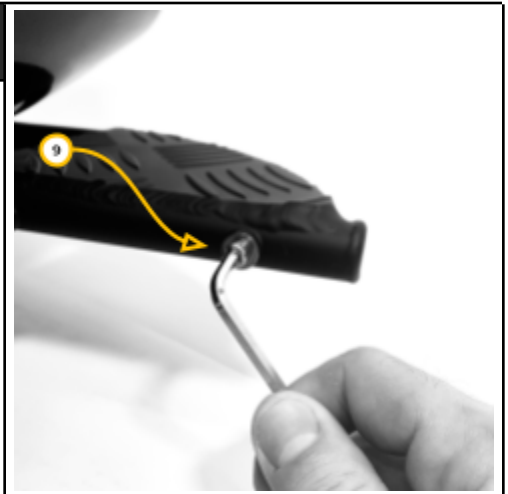
Remove fender spacer

Remove the tape holding the **fender spacer** (8) to the front step. Set the spacer to the side.



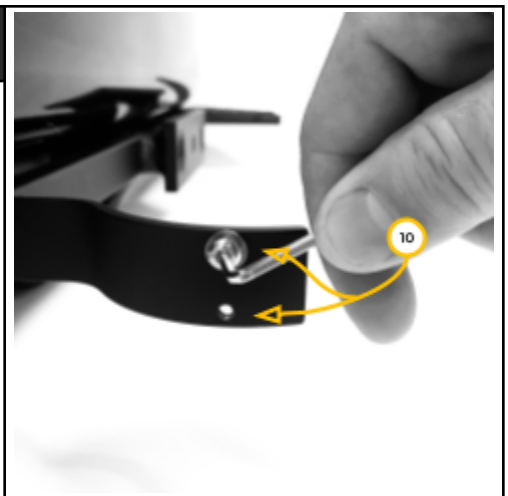
Front fender bolt

Using the 4mm hex key, remove the **front fender bolt and washer** (9), then continue to the rear of the frame.



Rear fender bolts

Using the 3mm hex key, remove both the **rear fender bolts and washers** (10) before attaching the fender to the front bolt.



Attaching the fender cont.

Secure fender

Place the end of the **fender** (11) with a single bolt hole towards the front of the sidecar. Place the fender between the **spacer** (8) and the **bolt and washer** (9). Tighten with the 4mm hex key.



Secure fender cont.

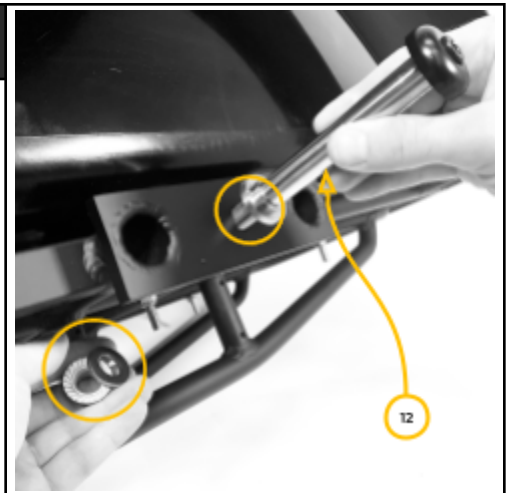
Placing the **fender** (11) on the outside of the rear fender bracket, secure the back end of the fender with both **rear fender bolts** (10) using the 3mm hex key.



Attaching wheel

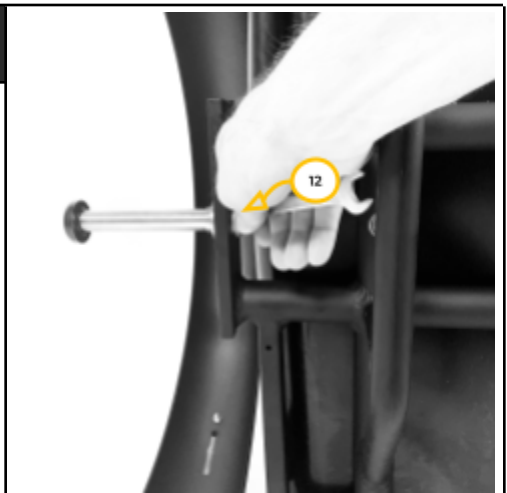
Attach the axle

Your next step will be attaching the **axle** (12) which will support and attach the wheel to the sidecar. Remove the locking nut and washer. Slide the threaded end of the axle through the middle hole on the right side of the sidecar. Hand-tighten the nut and washer to the other side.



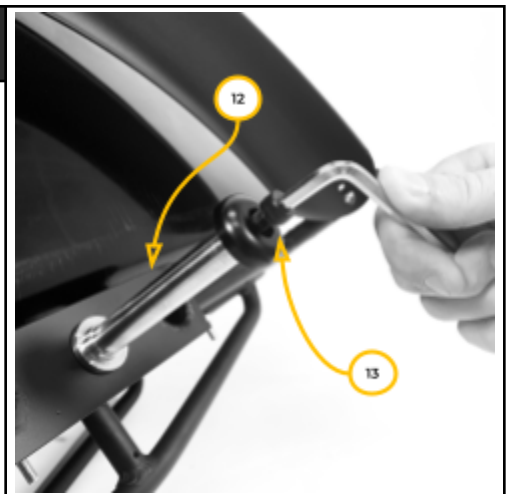
Secure the axle

Flip the sidecar over and secure the axle using the 22mm wrench to secure the axle.



Remove the end bolt

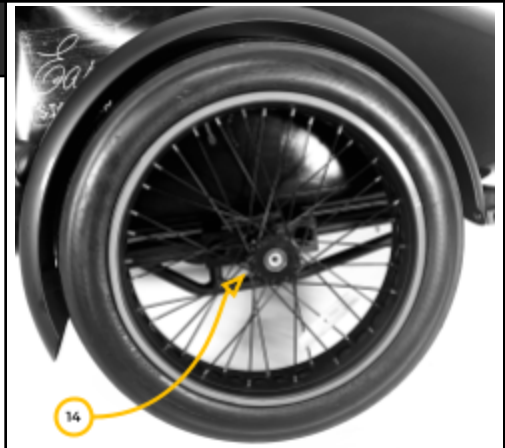
Using the 6mm hex key, remove the end bolt and end cap from the axle.



Attach wheel

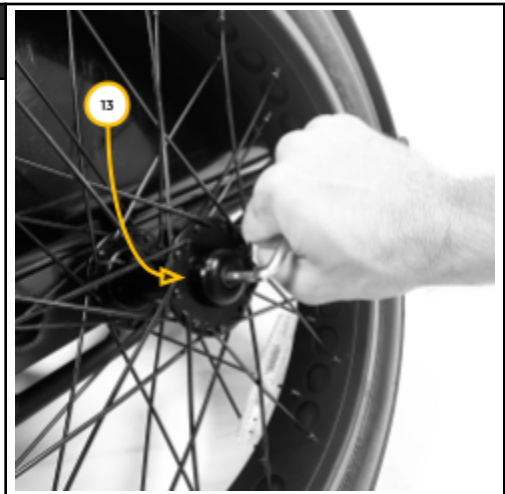
Slide the **wheel** (14) on the axle . To ensure proper tire tread direction, place disc brake mounts on the inside; as shown.

NOTE: The disc brake mounts will never be utilized; you cannot attach brakes or rotors to the sidecar.



Secure the end cap

Reattach the **end cap and bolt** (13). Secure it with the 5mm hex key.



Attaching sidecar arm

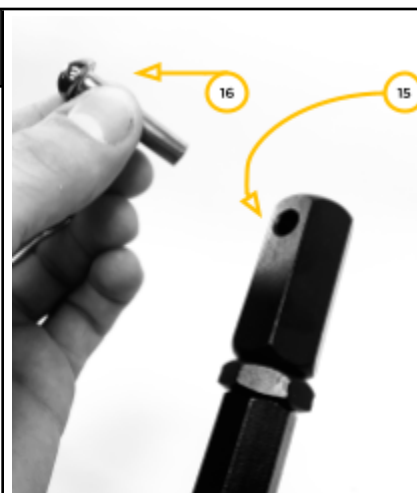
Locate arm

Flip the sidecar upside down, and move to the opposite side. In your hardware, locate the sidecar **mounting arm** (15). This will allow you to attach the sidecar to the plate on your MOD Easy.



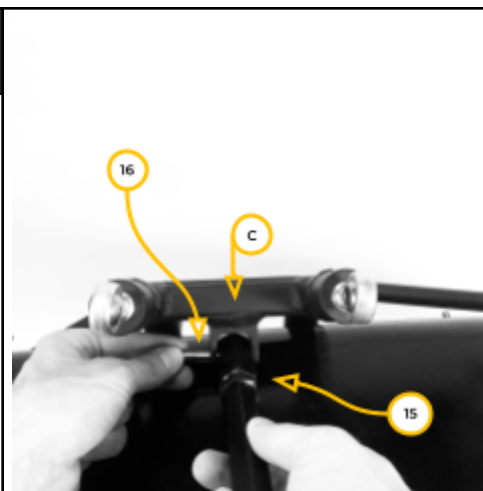
Identify the smaller end

There are bolt holes located at each end of the **mounting arm** (15). One of the holes is smaller than the other. If you are not able to visually identify each end, use the **barrel bolt** (16) to check the size. The bolt should fit snugly in the bolt hole.



Attach arm

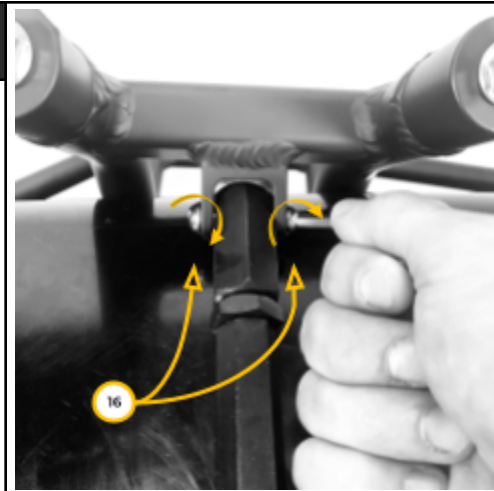
Using the end with the smaller bolt hole, attach the **mounting arm** (15) to the **center mount** (C) on the left side of the frame using the **barrel bolt** (16).



Attaching sidecar arm

Secure bolt

Secure the arm with the **barrel bolt** (16) using the 5mm hex key.



Attaching to your Easy

Prepare C-Clamps

The C-Clamps come with spacers attached to them. Remove all of these for they will not be used in the installation.



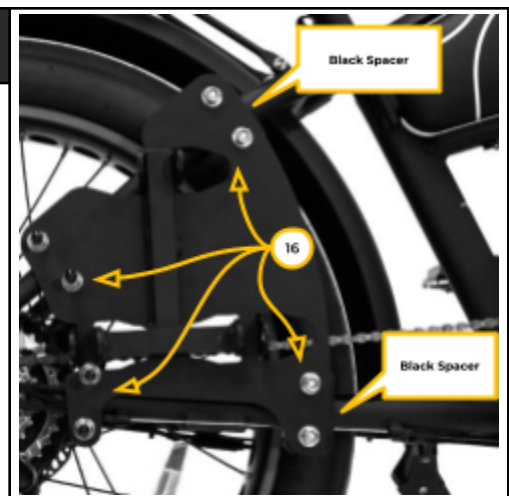
Attach Spacers

Using the C-Clamp, attach the black spacers to the seat stay on the drivetrain side of the bike. Do not thread on the washer and nut. Repeat this step on the chain stay.



Secure bolt

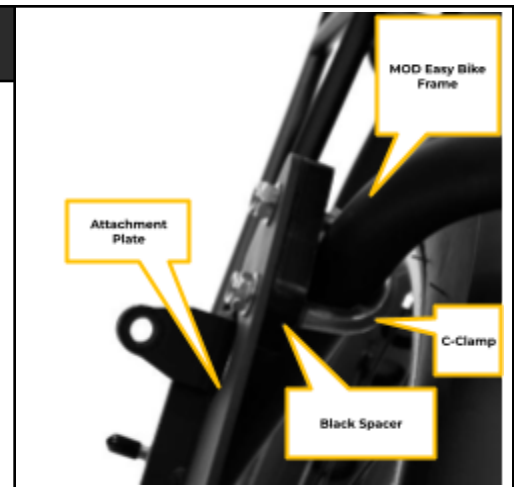
Slide the side plate on to the C-Clamps on the chain stay and seat stay in the orientation shown. Loosely thread on the washer and nut. Repeat these steps with the remaining C-Clamps on the back end of the plate.



Attaching to your Easy

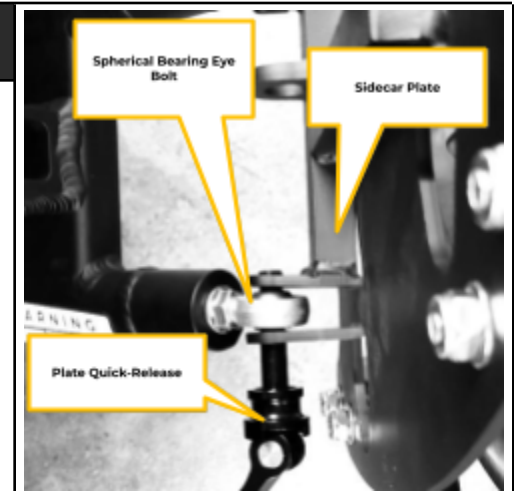
Level Plate

Ensure that the black spacer and side plate are flush. Tighten all the nuts, securing the side plate to the frame of the Easy.



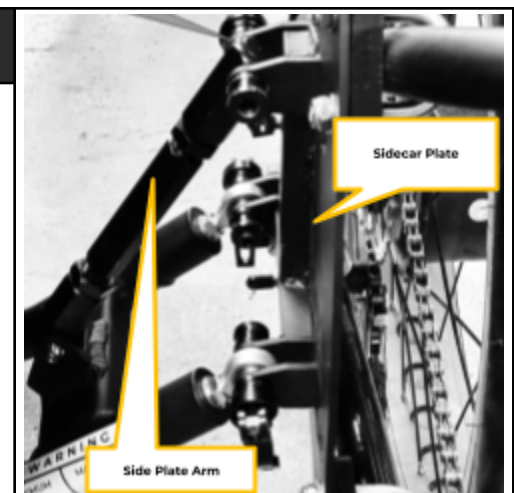
Attach Sidecar

Place the Easy and Sidecar next to each other. Using the sidecar plate quick-releases, attach the Spherical Eye Bolts to the outer two mounting points on the plate.



Secure bolt

Secure the Sidecar arm to the plate with the remaining sidecar quick-release. **NOTE:** The sidecar arm will be used in the following steps to level out the Easy and sidecar so they are not at an angle.



Aligning the SideCar with the MOD Easy

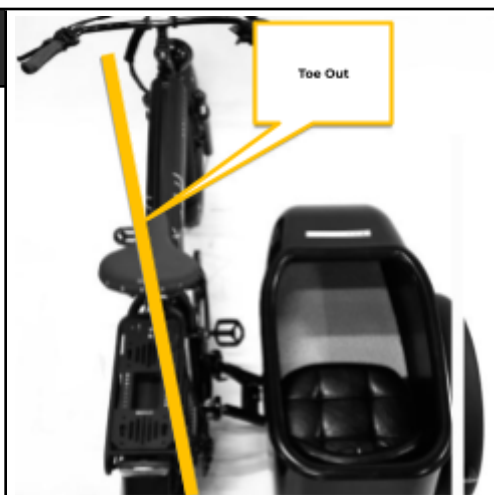
Utilize Side Plate Arm

To change the angle of your Easy and sidecar, turn the Side plate arm. This will change what is called the 'toe' of your bike/boat combination. The toe of the vehicle should be straight and level.



Explaining Toe Out

If the toe of the vehicle is 'out' then the bicycle will be leaning to the left, away from the sidecar. This will make it more difficult to steer and can cause the sidecar to lift into the air. Ensure the toe is not too far out.



Explaining Toe In

If the toe of the vehicle is 'in' then the bicycle will be leaning to the right, toward the sidecar. This will make it more difficult to steer and can cause the sidecar to bounce, bind, and vibrate. Ensure the toe is not too far in.



Finishing up

The following steps are optional. If you want to use your sidecar purely for cargo, then it's ready for action. But if you want to make the sidecar more fit for human cargo, continue on.

Add-on Components

Extra Safety features

Separate the frame bolts

Take 2 of the **frame bolts** (4) and add a **D-ring** (5) to the top of each bolt, ensuring it is above the largest washer. Rethread the spacer, small washer, and nut in the same order previously shown. **NOTE:** The bolts with the D-ring attached go in the FRONT.



Attach seat belt

Take one of the **frame bolts** (4) and unscrew the nut. Slide out both the metal and rubber washer. Feed the bolt through the **seat belt** (6) and replace the spacer, washer, and nut in the order shown here and above.



Attach seat belt cont.

Take the other rear **frame bolt** (4) and unscrew the nut. Slide out both the metal and rubber washer. Feed the bolt through the **seat belt** (6) and replace the spacer, washer, and nut in the order shown here and above.



DANGER: To ensure that additional passengers are secured correctly, adjust the seat belt to fit snugly against the passenger's body. The seat belt should be tightened by pulling the strap firmly until it fits securely across the passenger's waist. After tightening the seat belt, tug on the strap to ensure it is secure and properly fitted. The seat belt is not a substitute for appropriate safety gear. Passengers must always wear proper protective gear, such as a helmet and other safety equipment, while riding in the sidecar. **Do not exceed 10 mph;** It is essential to adhere to this speed limit when using the seat belt to ensure passenger safety. Failure to adhere to these directions could result in injury or even death.

MOD *Easy* SideCar
S A H A R A

ASSEMBLY GUIDE



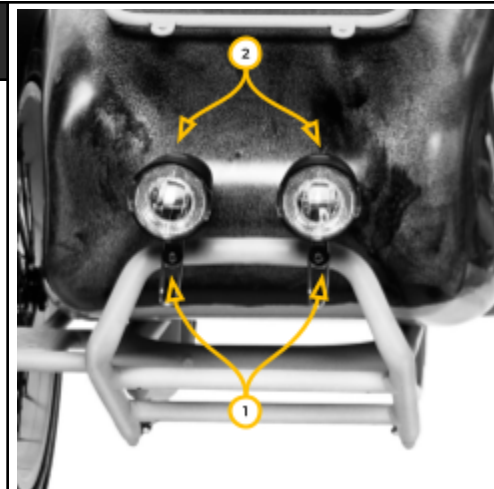
If you have a special edition MOD Easy Sahara Sidecar, the following steps will guide you through a few additional procedures.

Installing Sahara extra features

Front Headlamps

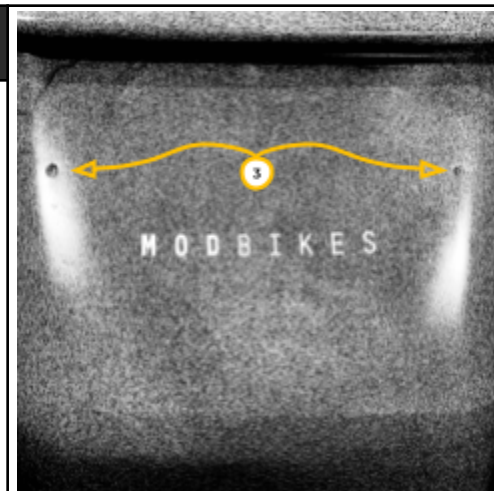
The Sahara edition comes with separate, battery powered headlamps. Install these by taking a 5mm allen wrench and unscrewing the bolts **(1)**. Run the bolts through the bottom portion of the light mount and secure tightly.

NOTE: These lights power on/off independently of the bikes electrical system. Each light has it's own power button **(2)**.



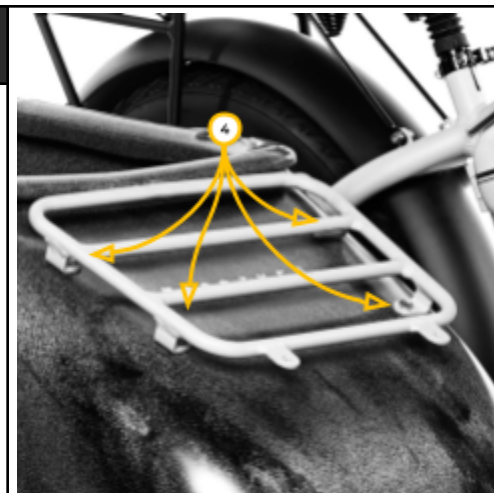
Nose Rack

The Sahara edition has the option to install a storage rack onto the nose of the sidecar boat. Since this feature is optional, you will have to drill the mounting holes. We have installed guide divots **(3)** so you know where to drill. These bolt holes require a 3/8th drill bit.



Secure Rack

Once the holes have successfully been created, secure the storage rack to the nose of the sidecar boat with a 10mm bolt **(4)** and locking nut.





ASSEMBLY GUIDE



If you have a MOD Groove with a Sidecar upgrade, the following steps will guide you through a few additional procedures.

Installing the Groove Sidecar

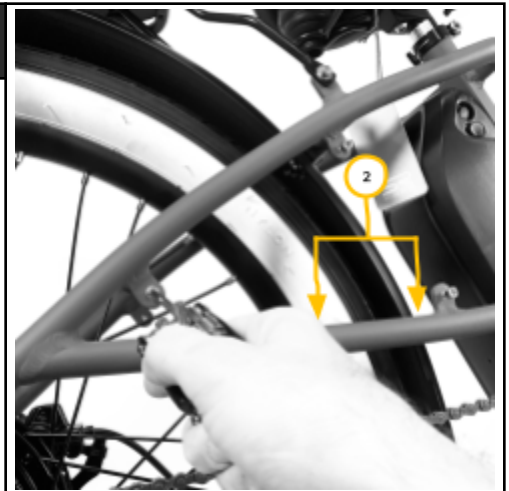
Groove Plaque

If you have already installed the wooden Groove plaques and are upgrading with a Sidecar, first unscrew each mounting bolt **(1)** and remove the drivetrain side (left) plaque. Store it in a safe location.



Attach the Plate

With the Groove plaque removed, you can now utilize the frame tubing located directly below the plaque mounting area to attach the top front U-bolt for your Sidecar mounting plate. The directions for proper plate installation can be found [here](#) (link to steps above)



Final Safety Steps

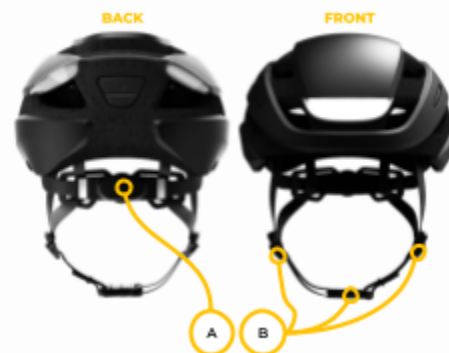
Inflate Tire

Please note that your sidecar is not delivered with inflated tires. To ensure proper inflation, refer to the sidewall of the tire to determine the correct PSI. It is crucial to fill the tire accordingly for optimal performance and safety. Users are responsible for inflating the tire before riding.



Personal Safety

Your safety is paramount. It is essential to wear a helmet at all times while riding your Easy sidecar. Please ensure the helmet fits snugly on your head(A). Secure the chin strap tightly for optimal protection(B). Prioritize your safety with a properly fitted helmet.



USER GUIDE

Review user guide

Now that your sidecar is fully assembled, please review the user guide in the link below to learn how to operate your bike with the sidecar attached.

[User Guide Link](#)



FINAL NOTES

Now that your new sidecar is fully assembled and attached to your Easy, you are ready to take it out for a ride!

Your bike was fully tuned at our shop before we shipped it to you, but it's possible that some of the components have shifted during shipment, or that some parts were not fully aligned during the assembly process. You need to look over the bike in detail to make sure all parts are tightened and in good working condition. Once you look over the bike and everything appears to be in order, you should plan a short and slow test ride to ensure all components and parts are functioning correctly. You should perform your test ride in a safe area with space to operate your bike without danger of traffic, vehicles, and/or other people, and avoid any potential contact with such things. During the test ride, you should first check the brakes and braking power. You will need to make sure there are no loose parts to make sure the bike and brakes are functioning properly, and then test steering, gear changes, riding position, and general use. Should any parts not be secure or loose, you should stop and tighten them accordingly. Should you be unsure of the bike, or the working condition of components or have other questions, including those not covered in this manual, please submit a ticket [here](#) and we will be happy to help you out.

Also, the gears and brakes might make noise during the first few weeks of operation, as it takes about 60 miles to break in some of the bike's components. **We highly recommend that you get your bike tuned every 500 miles or 4 months by a professional mechanic** to keep your bike safe and tuned and to prevent future problems.

This concludes our assembly guide. We hope that you found this guide helpful. With that said, we hope you enjoy your new bike. Stay safe, and welcome to the MOD BIKES family!

NEED HELP?

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[Contact Us](#)

If you find any mistakes or have any suggestions for improving this document, please report to the MOD Support team [here](#)