

# MotoTOTE®

## Instructions for MTM Carriers

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For additional assistance view online instructions with step by step videos:



# Safety Warnings

## **1. Do not exceed 10% of vehicle's towing capacity.**

The combined weight of the MotoTote and your motorcycle should not exceed 10% of your vehicle's towing capacity.

**CAUTION: Exceeding 10% of your vehicle's towing capacity could cause unsafe conditions including degradation of vehicle handling and steering.**

To calculate the maximum weight capacity for your vehicle divide your vehicle's towing capacity by 10 and then subtract 28 lbs. (13 kgs.)

Example: 2000 lbs. (907 kg) towing capacity divided by 10 = 200 lbs. (91 kgs) minus MotoTote Mini weight of 28 lbs. (13 kgs) = 172 lbs. (200 kg). This 172 lbs is the maximum tongue weight your vehicle can safely haul.

## **2. Do not exceed hitch tongue weight capacity.**

For vehicles with an aftermarket hitch, also ensure the combined weight of the MotoTote and your motorcycle do not exceed your hitch's tongue weight capacity. If your aftermarket hitches capacity differs from 10% of your vehicles towing capacity, base your maximum weight capacity off the lower value of the two minus the weight of the MotoTote at 28 lbs. (13 kgs).

**CAUTION: Exceeding your hitch's tongue weight capacity could damage the hitch or vehicle frame.**

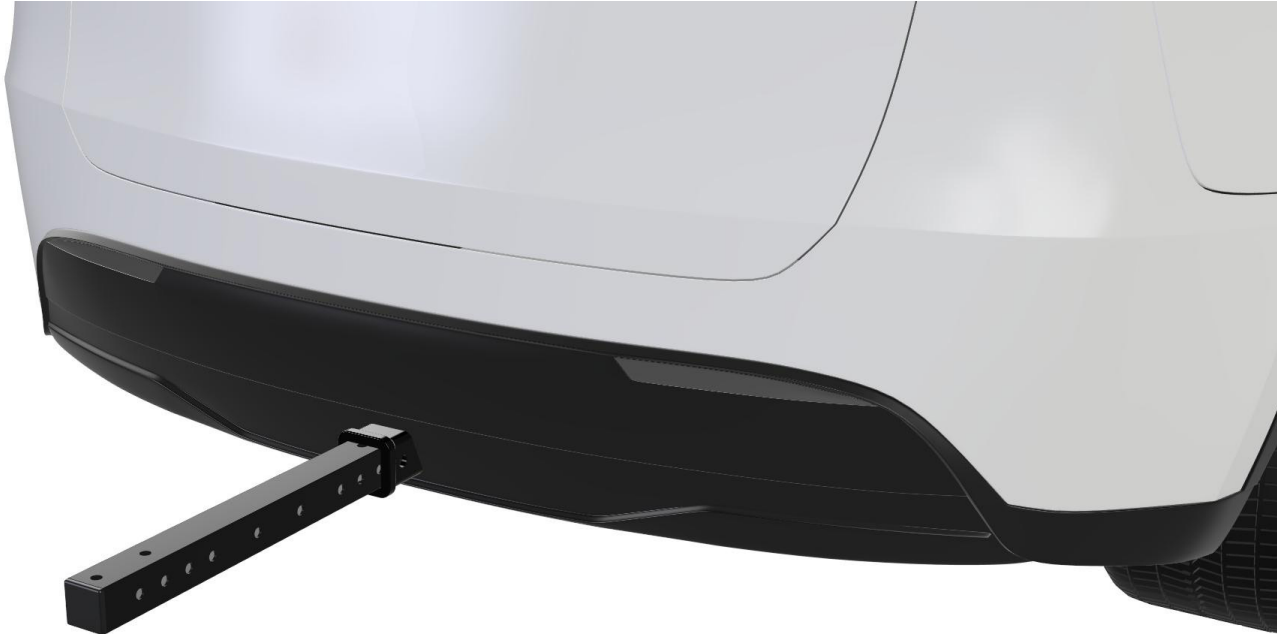
## **3. Do not exceed MotoTote weight capacity.**

The weight of your motorcycle should not exceed the weight capacity of your MotoTote Mini hitch carrier as follows: 1 bike = 200 lbs.

## Step 1

### Attaching MTM Platform to Square Tube

*Pro Tip (Optional)*



- To start assembly, insert the square tube into the hitch.
- This will make things easier by getting the carrier off the ground and at a more comfortable height for assembly.

**NOTE: Be sure the tube is far enough into the hitch that it won't easily come out during assembly.**

*(A.) Install MTM Platform to Square Tube*



- Drop the MTM platform onto the square tube and align the holes onto one end.
- Find the two big hex head bolts, two nuts, and four washers in the bag labeled “Step 1”. Slide one washer on each bolt and guide them through the platform.
- Place the remaining two washers on the other side and secure with the nuts.

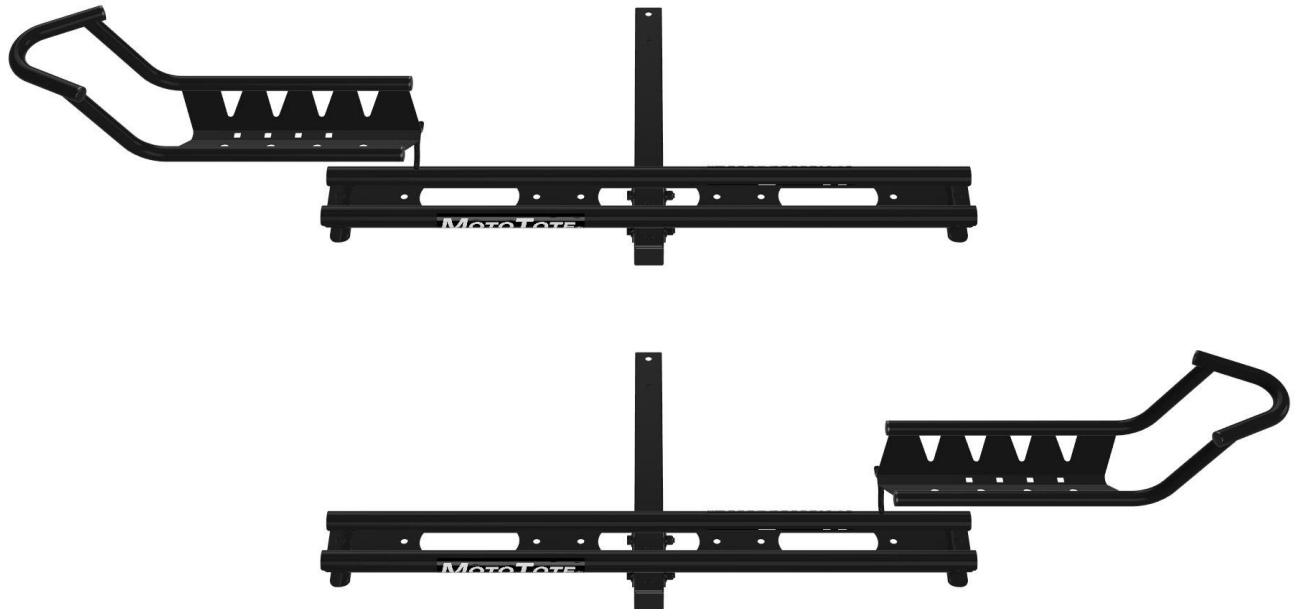
**IMPORTANT: Tighten until the side gaps are closed and the connection is tight. The bolt is only tightened when the gaps are fully closed, which will eliminate the platform from rocking back and forth.**

For geeks: Max torque 45 ft-lbs. (should be plenty)

## Step 2

### Attach Mini Components to MTM Platform

(A.) *Select Loading Side*



- The bike can be loaded facing either side of the vehicle, depending on which side you mount the wheelstop to. In this step, you only need to decide which side you prefer.

(B.) *Mount Tire Track*



- Measure your bike's wheelbase by measuring the distance from axle to axle.
- This will assist the assembly process in the next step.

*(C.) Mount the Wheelstop*



- On the side you selected to put the front tire, insert the anchor into the big rectangular slot by turning the wheelstop sideways as shown.
- Rotate the wheelstop forward to align with the platform ensuring the anchor is hooked under the platform.

*(D.) Adjust Wheelstop & Install Tie Down Arm*



- Adjust the wheelstop forward or backwards to align with holes for the wheelbase of your bike – the furthest hole is for bikes with a 52” wheelbase and each hole adjusts the wheelbase by 4” to the smallest wheelbase of 40”.
- Insert the tie down arm into slot ensuring the curved section is facing outwards, then insert bolt (in bag labeled “Step 2”) and hand tighten the nut. (Final tightening when your bike is loaded).

*(E.) Mount Rear Tire Holder and Tie Down Arm*



- Repeat the wheelstop mounting procedure but this time with the rear tire holder.
- Adjust forward or backwards to align with the same hole as selected for the wheelstop.
- Insert tie down arm into slot ensuring the loops are facing upwards, then insert the bolt (in bag labeled “Step 2”) and hand tighten the nut. (Final tightening when your bike is loaded).

**Note: The wheelstop and rear tire holder can be placed in any of the mounting holes, but matching the front and back hole pattern will help center the bike on the rack.**

### Step 3

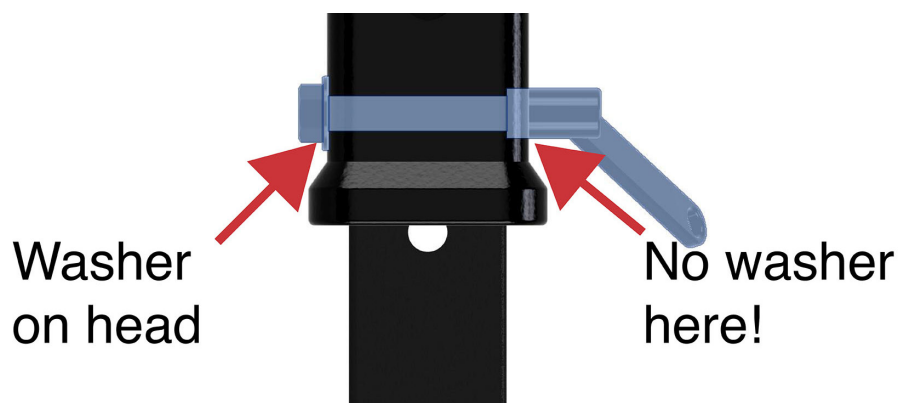
## Install Carrier on Hitch Receiver

### (A.) Attach Bike Rack to Vehicle



- Pick up the bike and place it onto the rack. Roll the front tire into the wheelstop and check back tire placement on rear tire holder.
- If not satisfied with fit, adjust the rack for bike size.
- Once satisfied with fit, tighten the two nuts until there is no rattling. Do not overtighten.

### (B.) Install ZeroWobble+ Hitch-Mount



- Grab the ZeroWobble+ Hitch-Mount, put the washer on the head of the bolt and insert it into the hitch pin hole. Thread into the ZeroWobble+ handle onto the opposite end of the bolt.
- Do NOT put a washer on the threaded end of the bolt.
- Tighten the bolt with a socket wrench while holding the handle on the nut with your other hand until the connection to the hitch is solid with no play. Do not over-tighten.
- For geeks: Max torque 55 ft-lbs. (should be more than enough).
- Make sure the barrel nut on the handle recesses all the way into the hitch pin hole until it stops



## Step 4

### Secure the Bike to Your MotoTote Mini

#### *(A.) Check Bike Fit on the Rack*



- Pick up the bike and place it onto the rack. Roll the front tire into the wheelstop and check back tire placement on rear tire holder.
- If not satisfied with fit, adjust the rack for bike size.
- Once satisfied with fit, tighten the two nuts until there is no rattling. Do not overtighten.

#### *(B.) Secure Handlebars to Front Tie Down Arm*



- Connect one end of tie down to the tie down arm and the other to the bike's handlebars on each side. We recommend connecting the inner handlebar first, as it will support the bike and allow you to more easily complete the tie down process.
- Alternate back and forth while tightening until the bike is secured and centered.
- Tie off excess straps for safety and security.

*(C.) Secure Back Tire to Rear Tie Down Arm*



- With a single tie down or an AceBikes Tyrefix, tie the strap directly over the back tire and tighten.
- This is completed so the rear tire will not jump out.

**Double check your work! The likliest mishap is a tie down error.**

You are now ready for adventure!