

MotoTOTE[®]

Instructions for MTX Carriers

Table of Contents

Safety Warnings	1
Step 1: Attaching MTX Platform to Hitch Receiver	2
Step 2: Attaching m3, Max or Max+ Components	4
Step 2: Attaching Sport Components	6
Step 3 & 4: Attaching Ramp to MTX Platform	8
Step 5: Installing ZeroWobble Hitch Mount	10
Step 6: Loading Motorcycle on MotoTote	11
Step 7: Securing Motorcycle to MotoTote	13

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 60 lbs. (27 kgs.)

Example: 5000 lbs. (2273 kg) towing capacity divided by 10 = 500 lbs. (227 kg) minus MotoTote weight of 60 lbs. (27 kg) = 440 lbs. (200 kg). This 440 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 60 lbs. (27 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 motorcycle hitch carrier as follows: m3 = 500 lbs. (227 kgs.), Sport/Max/Max+ = 600 lbs. (273 kgs.)

Step 1

For Max & Max + carriers remove contents from MTX Platform box.

For m3 & Sport carriers remove the square tube, MTX Platform and hardware from box.

Attaching MTX Platform to Hitch Receiver

(A.) *Insert & Secure Square Tube to Hitch*



ZeroWobble+



ZeroWobble

To start assembly, insert the square tube into the hitch. Align the holes in the side of the hitch with the first hole on the square tube. Insert either the ZeroWobble+ (Max & Max+) or the ZeroWobble (m3 & Sport) hitch mount, and hand tighten for now.

NOTE: The square tube of the Max & Max+ carriers is bent slightly upward to reduce “hitch droop”. The small crease on the top of the tube is not a defect.

(B.) Install MTX Platform to Square Tube

Tighten until gaps are closed
and the connection is tight



Light kit holes outward

Slide the MTX platform onto the square tube aligning the holes. Find the two big hex head bolts, two nuts, and four washers. Slide one washer on the bolt and guide through the platform. Place washer on the other side and secure with a nut. Repeat process on both sides. (Note: If you plan to use the optional LED Light kit, attach the MTX platform so the holes are facing rearward)

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.

Optional: Adding a Trailer Ball



The larger diameter vertical hole in the square tube is for a 5/8 inch shank diameter trailer ball. This is the smallest size of trailer ball (by design). If you want to install a trailer ball, simply install the MTX Platform closer to the vehicle to expose the hole.

CAUTION: For safety purposes, you must add the tongue weight of the trailer to the total weight on hitch calculation explained here. Assume the trailer tongue weight to be at least 10% of trailer weight.

Step 2

Attaching m3, Max or Max+ Components to MTX Platform

For Max or Max+ carriers remove contents from the Max or Max+ components box.

For m3 carriers remove all remaining parts (after step 1) from box.

For Sport carriers proceed to step 2 on page 6.

(A.) Select Loading Side



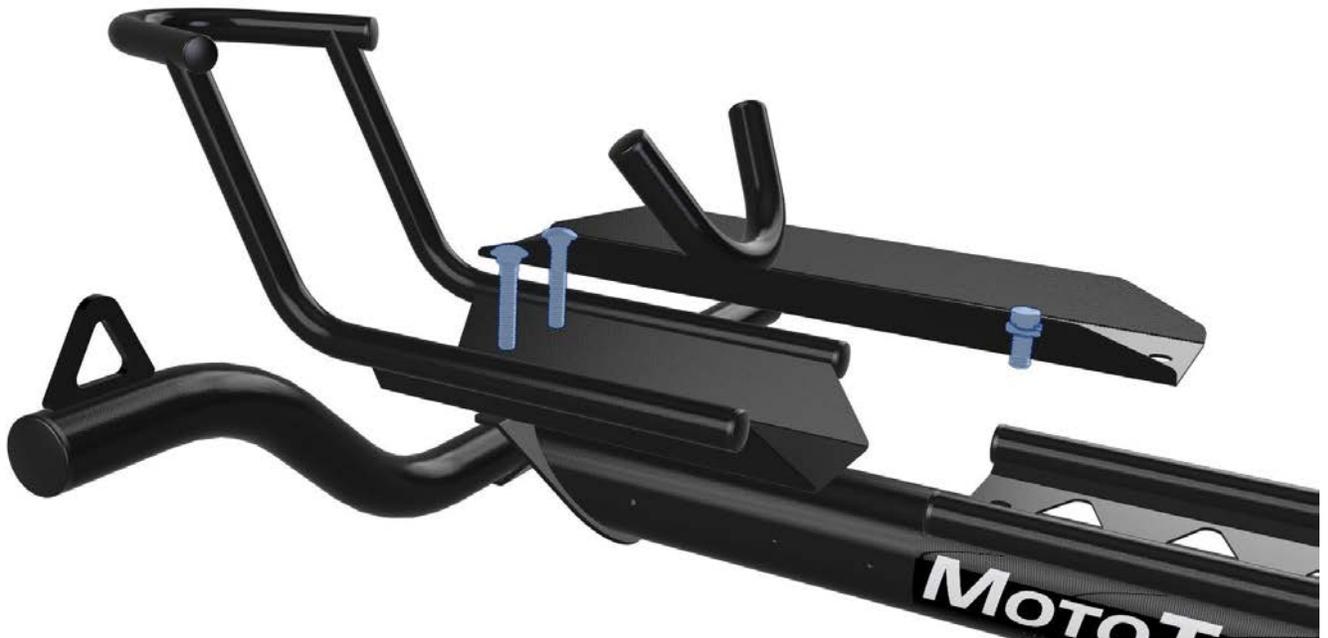
The motorcycle can load and unload from either side of the vehicle, depending on which side you mount the front of the wheelstop to. In this step, you only need to decide which side you prefer. We recommend mounting the wheel stop to the drivers side as it enables the loading and unloading procedure to be completed safely off the passenger side of the vehicle. This is optimal when parked on the side of a road but is completely up to you and your preference.

(B.) Mount Tire Track



Now, on the opposite side of where you selected to put the wheelstop, insert the rear tie down arm into the slot and lay down the tire track on the platform. align with the two holes. Insert the two bolts into the tire track and through the holes. Put on the nuts and washers then tighten snugly to minimize rattling Do not overtighten. NOTE: The tracks look different but procedure is the same.

(C.) Prepare Wheelstop for Tire Size



Place the front tie down arm in the slot of the platform, making sure the curved section is facing outward. Lay down the two parts of the wheelstop (front stop & back stop) onto the platform, align the holes to the desired placement, then insert two bolts. Put on the nuts and washers then hand tighten only for now (this is to ensure alignment of loading ramp in Step 4). Then put short bolt with the lock-washer through the back stop and tire track into the threaded hole on the platform tube.

(NOTE: Layout is adjustable per your tire's size, measure your tire and place to size for optimal fit).

Step 2

Attaching Sport Components to MTX Platform

This step is for **Sport carriers only**. To begin, remove all remaining parts (after step 1) from box.

For m3, Max or Max+ carriers, proceed to step 3 & 4 on page 8.

(A.) Select Loading Side



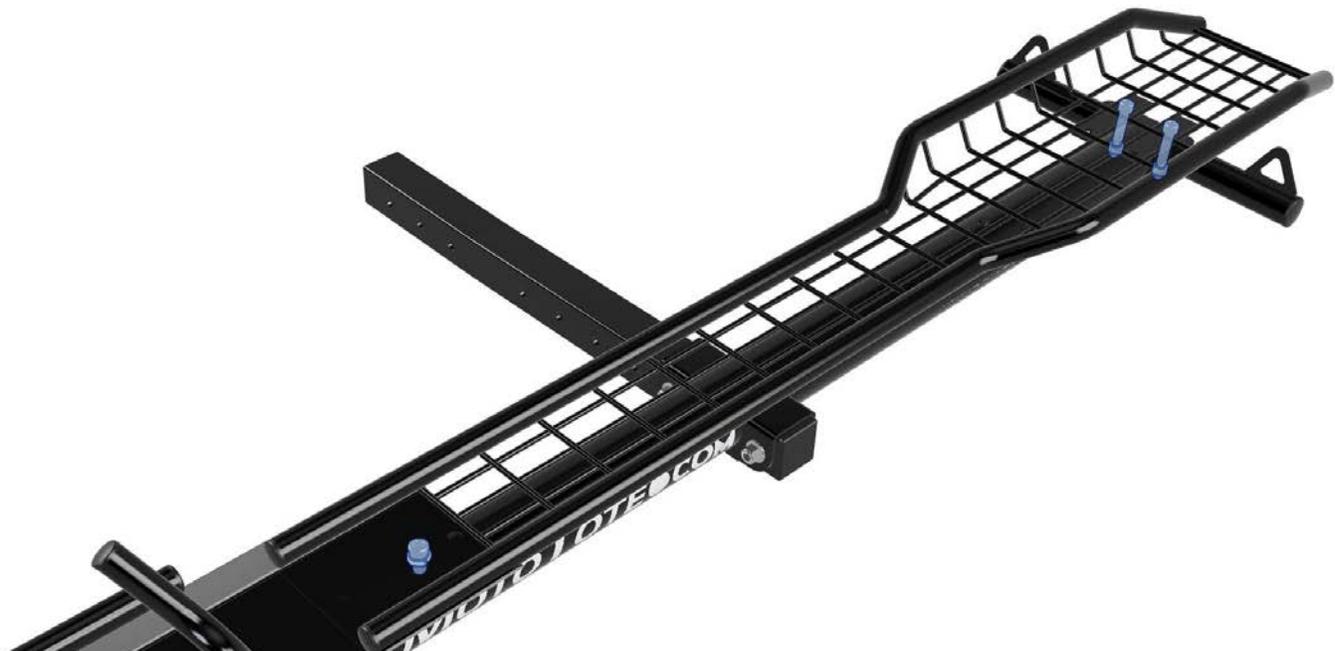
The motorcycle can load and unload from either side of the vehicle, depending on which side you mount the front of the wheelstop to. In this step, you only need to decide which side you prefer. We recommend mounting the wheel stop to the drivers side as it enables the loading and unloading procedure to be completed safely off the passenger side of the vehicle. This is optimal when parked on the side of a road but is completely up to you and your preference.

(B.) Mount Wheelstop



Place the front tie down arm in the slot of the platform, making sure the curved section is facing outward. Lay down the wheelstop onto the platform and align with the holes then insert two bolts to the desired placement (there are three positions dependant on your motorcycle length). Put on the nuts and hand tighten only for now (this is to ensure alignment of loading ramp in Step 4).

(C.) Mount Tire Track

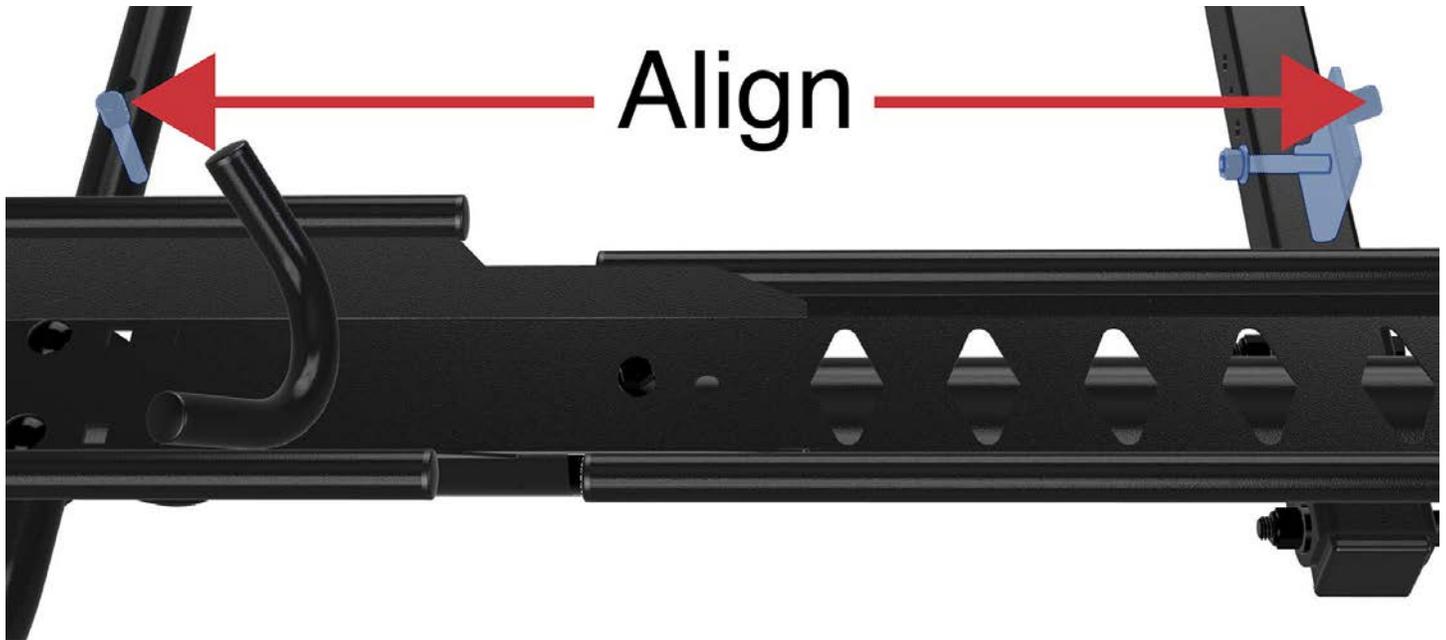


The tire track sits on top of the wheelstop. There are two positions based on your motorcycle's length. Align the tire track with desired holes. Insert the rear tie down arm into the back slot in the MTX platform. Using two medium bolts and two nuts tighten snugly to minimize rattling - Do not overtighten. Then put the short bolt with the lockwasher through the tire track and wheelstop into the threaded hole on the platform tube.

Step 3 & 4

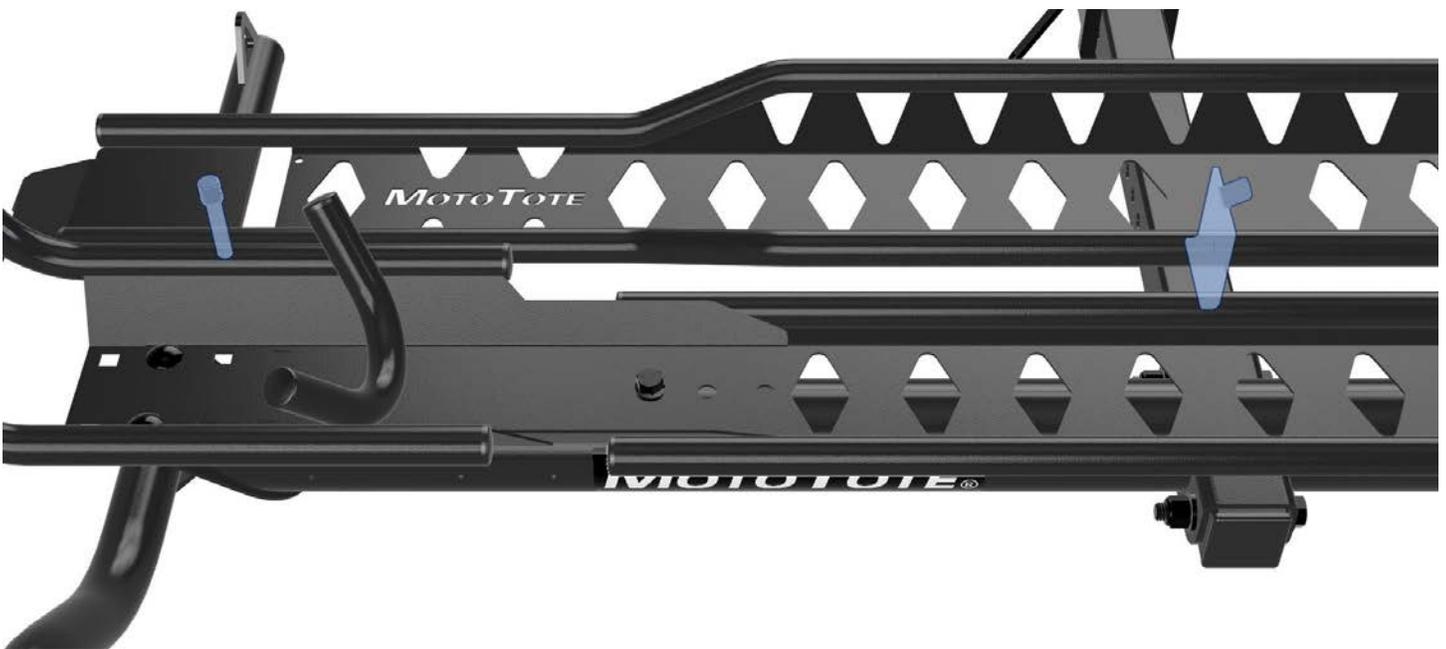
Attaching Ramp to MTX Platform

(A.) Mount the Ramp Keeper Tab



First make sure the angled flap of the tab is pointing toward the back end of the tire track, then place the ramp tab in line with the linch pin receiver post on the front tie down arm. Secure with a bolt, washer and nut. Tighten in place.

(B.) Stow the Loading Ramp



To stow the loading ramp for transport, place it next to the tire track on top of the ramp keeper tab and the linch pin receiver post.

(C.) Secure with Linchpin and Lanyard



To secure the loading ramp, tether the lanyard to the loading ramp with the supplied key ring, insert linch pin through the receiver post and then fold down the snap ring.

(D.) Secure Wheelstop & Tighten



Now, tighten the nuts that you previously hand tightened onto the two bolts under the front wheelstop. Tighten all nuts and bolts snugly to minimize rattling - Do not over tighten.
NOTE: Max+ parts shown but procedure is the same for Max & m3.

Step 5

Install ZeroWobble Hitch Mount

(A.) Install ZeroWobble Hitch Mount (m3 & Sport)



Do NOT put a washer on the head of the bolt - the washer goes on the nut end. Insert the bolt into the hitch pin hole and ensure the bolt head recesses into the hitch pin hole until it stops against the MotoTote tube inside the hitch. This is critical to eliminating any shake by clamping the square tube to the hitch. Then using an allen wrench and a socket wrench, tighten until the connection to the hitch is solid with no play. Do not over-tighten.

NOTE: You will be able to lift the end of the square tube straight up. This is normal but there should be no rotational movement.

Sport & m3 only: Insert the square plastic cap into the end of the square tube.

(B.) Install ZeroWobble+ Hitch Mount (Max & Max+)



Put the washer on the HEAD of the bolt and insert it all the way into the hitch pin hole. Do NOT put a washer on the threaded end of the bolt. Thread the ZeroWobble+ barrel nut with handle onto the bolt (with no washer). Ensure the barrel nut recesses into the hitch pin hole until it stops against the MotoTote tube inside the hitch. This is critical to eliminating any shake by clamping the square tube to the hitch. Tighten until the connection to the hitch is solid with no play. Do not over-tighten.

NOTE: You will be able to lift the end of the square tube straight up. This is normal but there should be no rotational movement.

Step 6

Loading Motorcycle onto MotoTote

(A.) Engage Ramp Teeth in Slots



Remove the ramp from the stowed position.

To make things easiest for loading we recommend utilizing a location that reduces ramp angle (a driveway, curb, sloping terrain, etc). Next, insert the teeth of the ramp into the slots on the tire track.

(B.) Plan for Tie Down Process



Prior to loading the bike, make a plan for your tie downs. It is important that they are easily accessible once the bike is up the ramp. For bikes with large fenders, we recommend attaching the tie downs to your planned location on the handlebars before loading. For other bikes, we recommend attaching the tie downs to the loops on the MotoTote first, then pulling up and securing the tie downs once loaded. Try both to find your preference.

(C.) Push Bike Up Ramp



Tilt the bike toward yourself and lean into it, using your body weight to help push the bike up the ramp until you roll into the front wheelstop. Some users prefer to get a rolling start before pushing the bike up the ramp.

DO NOT ATTEMPT POWER A MOTORCYCLE OR SCOOTER UP THE RAMP WITH THE ENGINE RUNNING!

Step 7

Securing Motorcycle to MotoTote

(A.) Grab a Helping Hand

While loading and unloading your MotoTote can easily be a one person job, having a helping hand for your first time ensures the safety of you and your motorcycle.

(B.) Secure Handlebars to Front Tie Down Arm



Depending on how you planned your tie down process, connect the other end of the tie down to either the tiedown loop on the MotoTote or to the handbars on your motorcycle. We recommend connecting the inner one 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 of Bike to Rear Tie Down Loops



With a single tie down or an AceBikes Tyrefix, tie the strap directly over the back tire and tighten. The main objective here is to keep the rear tire from bouncing out of the track. For a scooter you can go over the seat or luggage rack.

(D.) Stow Loading Ramp for Transport



Lift and detach the loading ramp from the tire track. Place in dedicated position on ramp keeper tab and lynch pin receiver post. Insert lynch pin and flip to secure. Double check your work! The likliest mishap is a tie down error. You are now ready to roll!