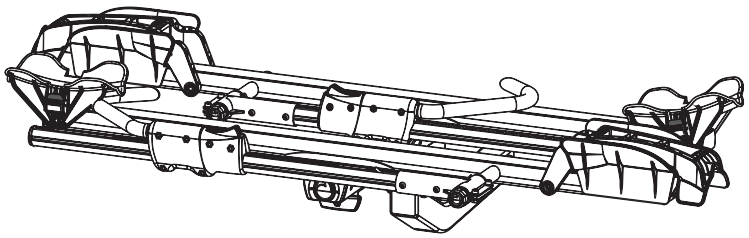
rockymounts™
# MonoRail

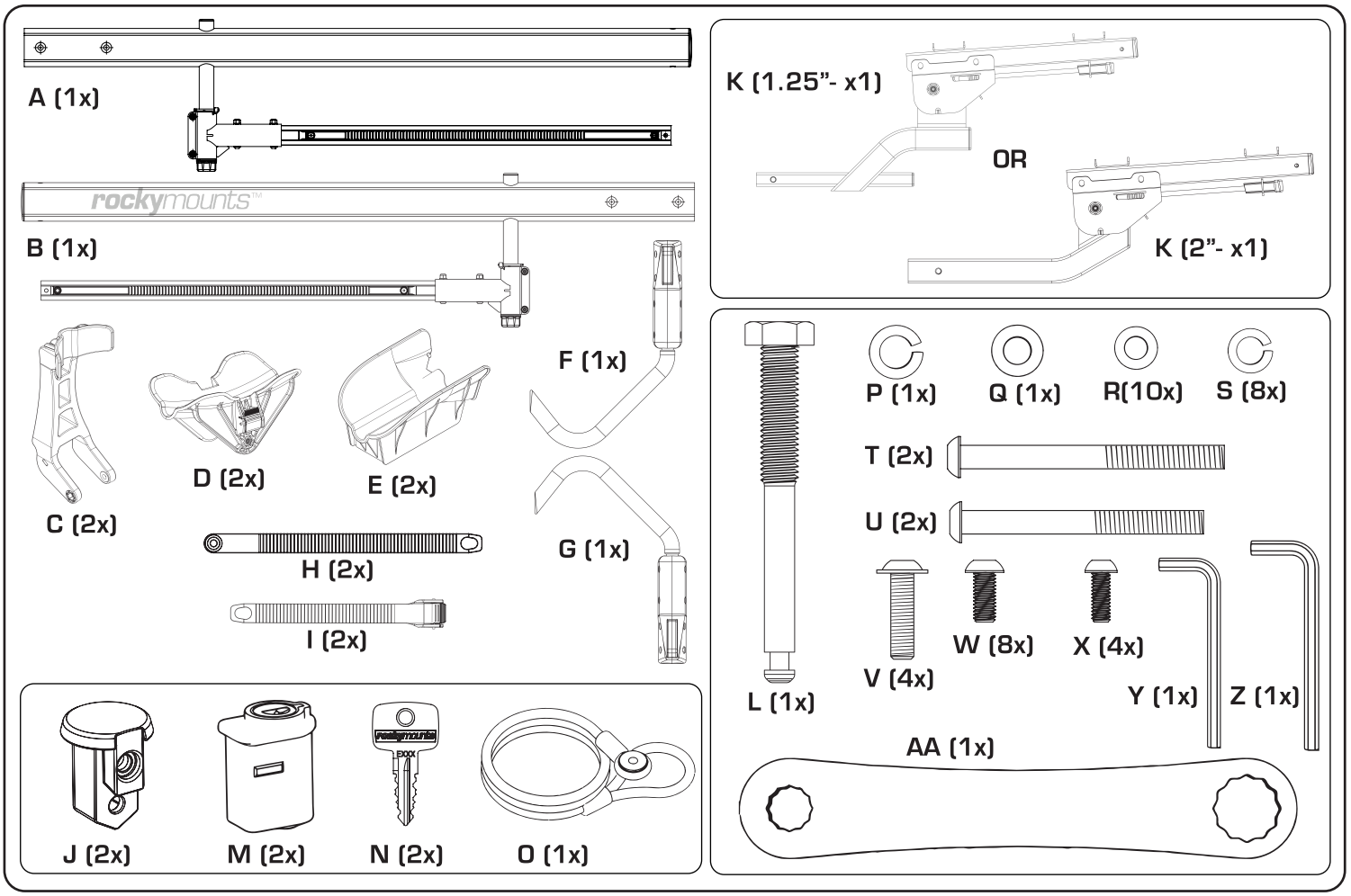


## Guidelines

Carries 2 bikes, up to 60lbs (27kg) each [120lbs (54kg) total];
up to 45lbs (20kg) [135lbs (61kg) total with Add-On (2" version only)
Tire width 19mm road bike tires - 5.0" mountain bike tires
Wheel Diameter: 20" - 29"
Wheelbase: 36" - 50" (915mm - 1270mm)
**Remove front fenders, racks, and panniers before use**
No kick bikes, recumbents, mopeds, scooters, pennyfarthings, or tandems
MonoRail 1.25" is **NOT** compatible with Add-On

## Parts Included

A:Wheel tray A
B: Wheel tray B
C: Back stop
D: Rear wheel cup
E: Front wheel cup
F: Wheel hook A
G: Wheel hook B
H: Wheel strap
I: Wheel strap extension
J: Load arm end cap
K: Base (1.25" or 2")
L: Hitch Pin
M: Lock pod
N: Key
O: Lock cable
P: M12 Split washer
Q: M12 Flat washer
R: M8 Flat washer
S: M8 Split washer
T: M8 x 90mm BHCS bolt
U: M8 x 85mm BHCS bolt
V: M8 x 30mm flanged screw
W: M8 x16mm BHCS bolt
X: M6 x 16mm BHCS
Y: 4mm Allen wrench
Z: 5mm Allen wrench
AA: 19mm Wrench



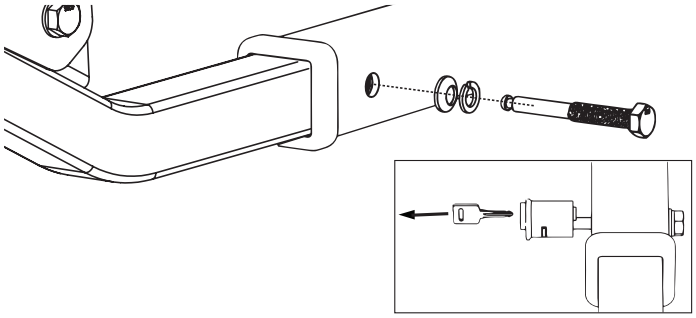

**Read all warnings on last page before use.**

rockymounts™

***Assembly Instructions***

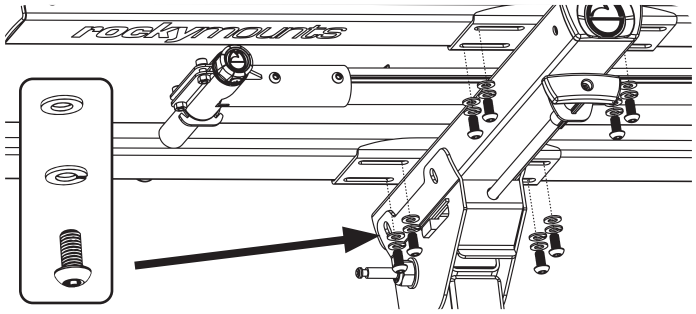
## 1 Install Base

Insert hitch tube into vehicle hitch receiver and align holes. Use 19mm wrench, install the hitch pin with a M12 split washer and M12 flat washer. Lock hitch pin with lock pod.



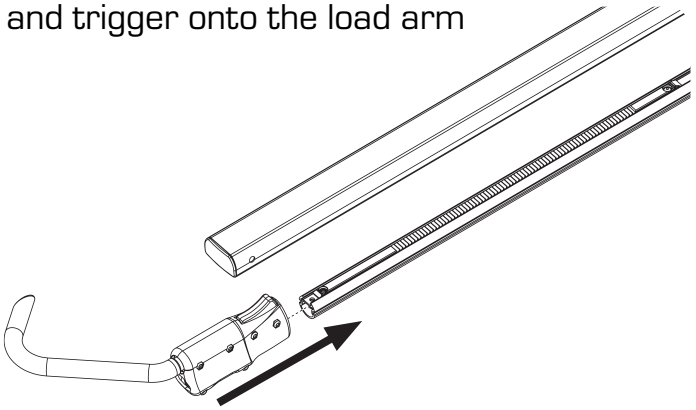
## 2 Install Wheel Trays

Pull blue T handle to lower base. Place two wheel trays on base. Loosely install eight M8x16 bolts with split and flat washers. Position trays then securely tighten all bolts



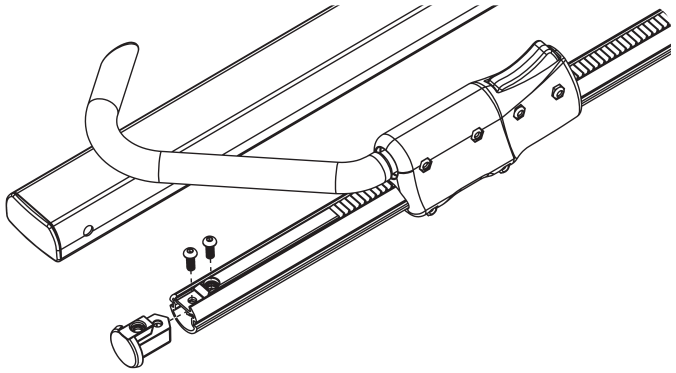

## 3 Install Hook and Trigger

With the blue trigger facing upwards and the hook towards the tray, slide the wheel hook and trigger onto the load arm



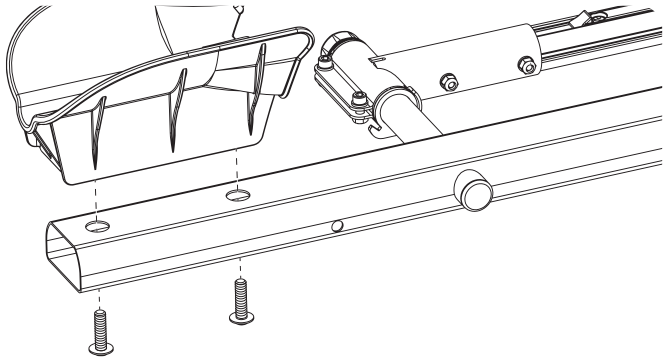
## 4 Install Load Arm End Caps

Slide the load arm end cap into the end of the load arm. Affix utilizing two M6x16 BHCS bolts using the 4mm allen wrench



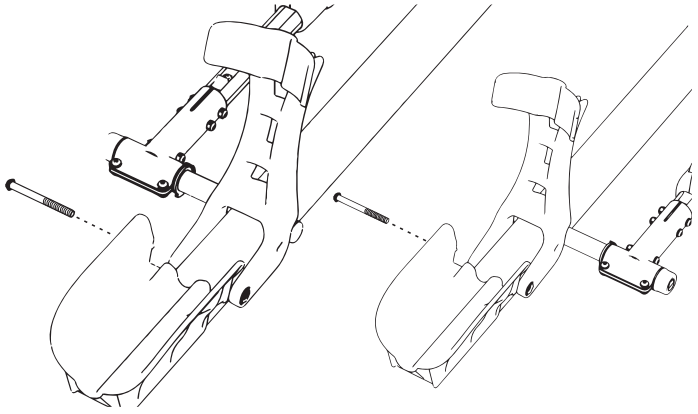
## 5 Install Front Wheel cups

Push the front wheel up onto the tray and screw in the two M8x30 flanged screws from the underside of the tray



## 6 Install Back Stops

For both wheel trays, install the back stops with M8x85 BHCS bolts

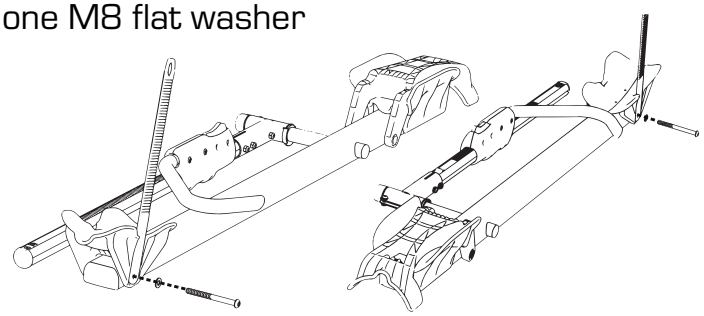


**Read all warnings on last page before use.**

rockymounts™

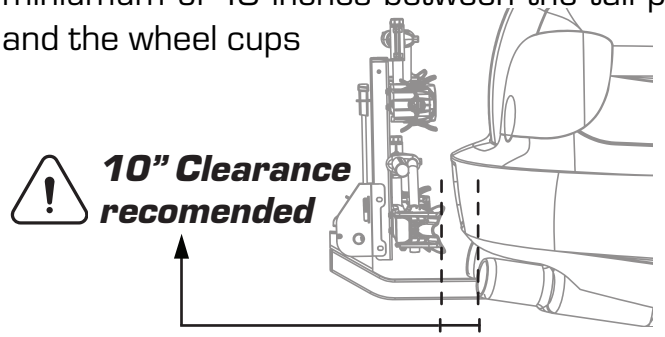
## 7 Install Rear Wheel Cups

Align holes on the wheel cup, tray, and wheel strap. Make sure the buckle faces away from vehicle. Install with M8x90 BHCS bolt and one M8 flat washer

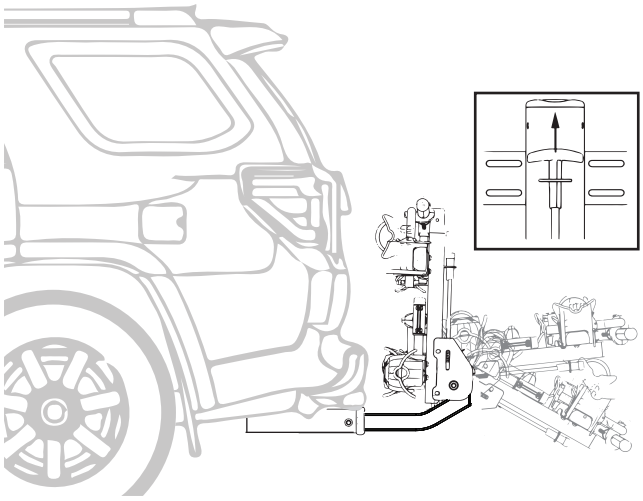


## 8 Check Exhaust Clearance

Ensure there is adequate clearance between the exhaust and the plastic wheel trays. If the exhaust vents directly rearward we suggest a miniumum of 10 inches between the tail pipe and the wheel cups




## 9



## Folding Rack

Pull blue T handle to raise or lower the rack into stow, use, and tilt position

Rack can be folded into stow position when not in use and tilted down for rear vehicle access

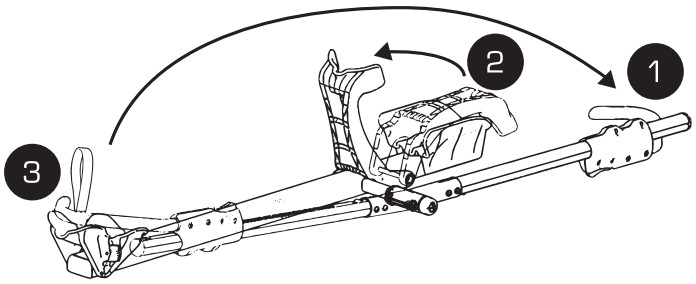
Load arms should be stowed flat when rack is not in use

Blue T handle should be fully seated before each use

***Loading Bikes***

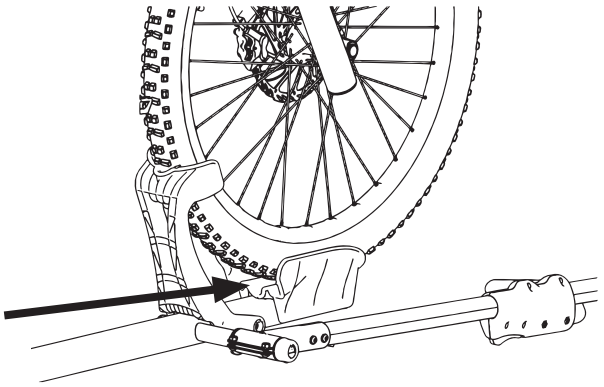
## 1 Prepare Wheel Tray

❶ Rotate load arm 180 degrees from stowed position and fully extend the hook
❷ Fold back stop into open position
❸ Tuck the wheel strap into the wheel cup



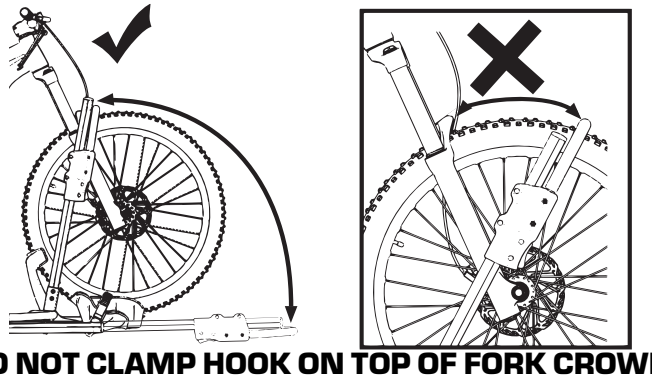

## 2 Place Bike on Rack

Load heaviest bike on tray nearest to vehicle
**Front wheel should be secure against the backstop**



## 3 Secure Front Wheel

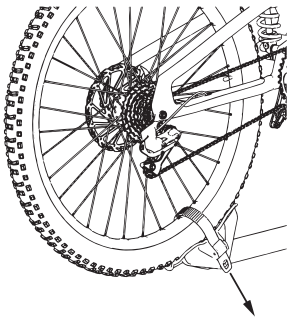
Rotate load arm over front wheel and tighten hook against the fork. There should be contact between the fork, the wheel hook, and tire

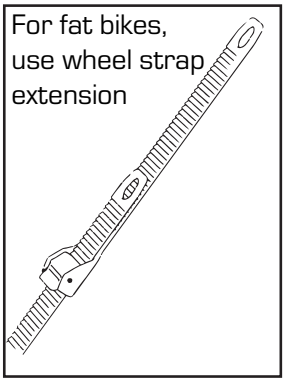


**DO NOT CLAMP HOOK ON TOP OF FORK CROWN**

## 4 Secure Rear Wheel

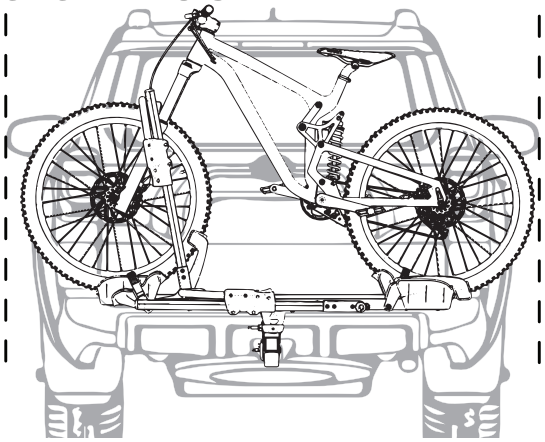
Feed wheel strap through rear wheel and into buckle. **Pull Tight**





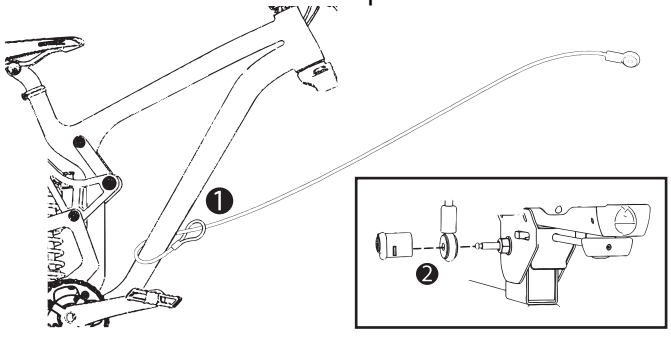

## 5 Check Mirrors

Be sure loaded bikes do not extent past width of side view mirrors



## 6 Locking Bike

Loop cable around inner bike frame and feed through outer bike frame. Loack cable to pivot bolt with additional lock pod




**DO NOT USE WHILE TRAVELING**
Can cause damage to frames due to road vibrations

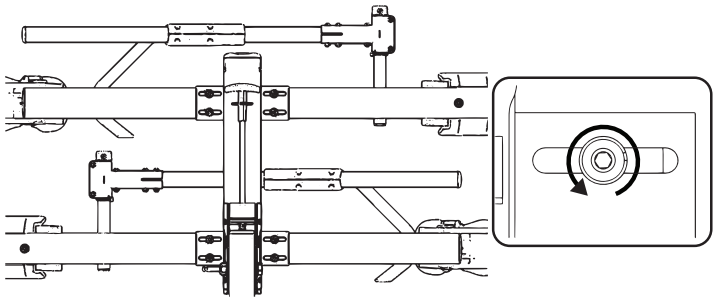
**Read all warnings on last page before use.**

rockymounts™

***Rack Adjustability***

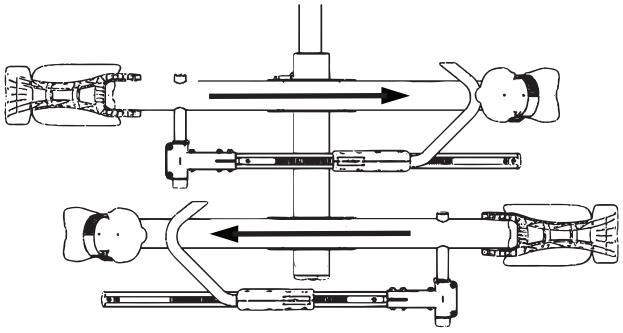
## 1 Loosen Bolts

Trays can be adjusted side-to-side to avoid handlebar interference. Remove bikes and fold rack stowed position. Loosen eight M8 bolts on bottom of spine



## 2 Adjust Trays

Slide trays as much as needed and re-tighten all eight M8 bolts



## Warnings

- If a hitch extension is needed, only anti-wobble hitch extensions by RockyMounts™ should be used with this product
- Remove Baby Seats, Panniers, U-Locks, or items that could detach from the bicycle
- Do not use bicycle covers, bicycle bras, or equipped with rear aero disc wheel
- Not intended for off road use or with trailers, towed vehicles, 1 ton pickups, RV's, or UHV/UTVs
- Bikes and rack can partially block license plate and/or taillights. Please check and adjust accordingly
- Check the car exhaust is not pointing at the rack, bike tires, or rims. Some vehicles may require exhaust diversion to avoid damage
- Do not transport bikes with flat or leaking front tires. Front tire must be inflated for secure transport
- Hitch recievers require a minimum of 350lbs tongue weight rating and 1.5" (38mm) distance from hitch pin hole to end of receiver
- Locks are only deterrents for theives, RockyMounts™ Inc. Cannot be held liable for stolen bicycles
- Check All Fasteners Before Each Use
- Remove Bikes and Rack Before Entering Car Wash, hand washing rack is OK
- Once a Year, Remove From Car to Clean and Inspect for Damage

## Limited Lifetime Warranty

At RockyMounts we offer a Limited Lifetime Warranty for products purchased after January 1, 2014 to the original owner. For details of warranty, guidelines, and how to make a claim; please see rockymounts.com/warranty

## Technical Support

Please call use at 303-402-0190 or email at ride@rockymounts.com for questions regarding use, assembly, and support

**Read all warnings on last page before use.**

rockymounts™