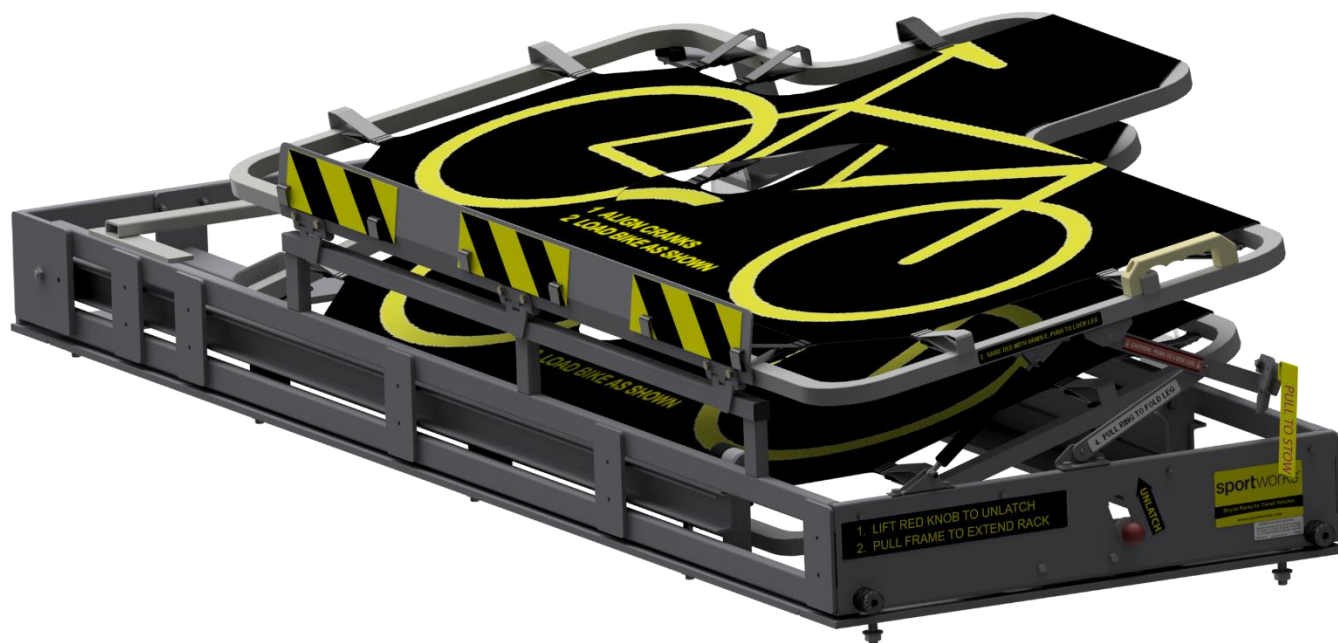


Luggage Bay Rack Operation and Maintenance



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SCOPE OF THIS DOCUMENT

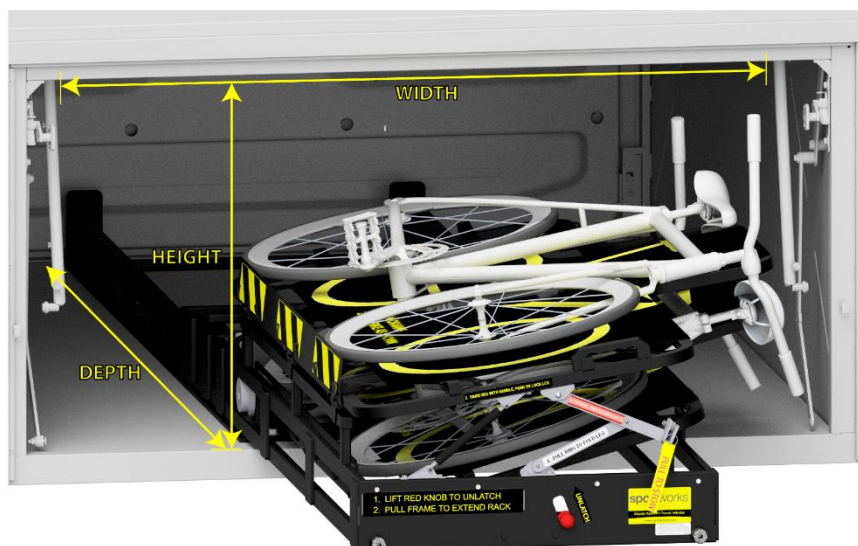
This document applies to all Sportworks Horizontal Luggage Bay Bicycle Racks. This Luggage Bay Rack product is a 2-position bike rack with black powder-coated steel framing, and durable fabric bike cradles.

INSTALLATION AND OVERVIEW

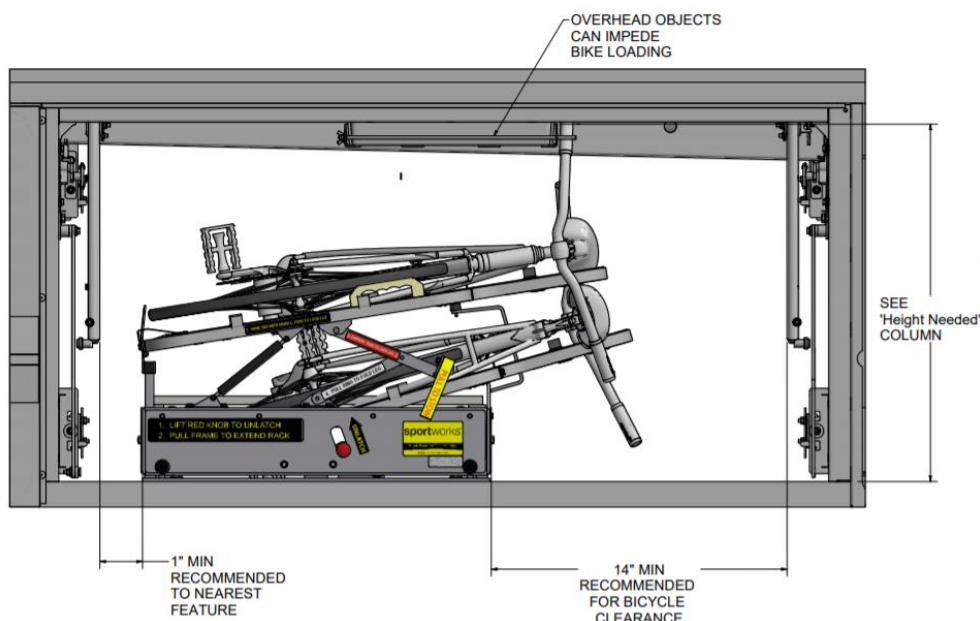
The installation is crucial to the safety and performance of the Sportworks Bike-Rack-for-Buses system. There are several factors that need to be addressed when mounting the rack, including:

- Available luggage bay width, height, and depth
- Any obstacles such as ducting or other equipment that may affect usable space

Carefully read and understand the following information regarding the positioning of the rack on the bus before beginning the installation process.



The Luggage Bay Bicycle rack requires 34" height, 44" width and 92" depth to function. Additional height may be needed to fit certain bicycle geometries in the upper position, especially bicycles with extra-wide handlebars. Fat tire bikes can fit in the upper tray position, see below for recommended bay heights to accommodate bikes with varying handlebar widths.

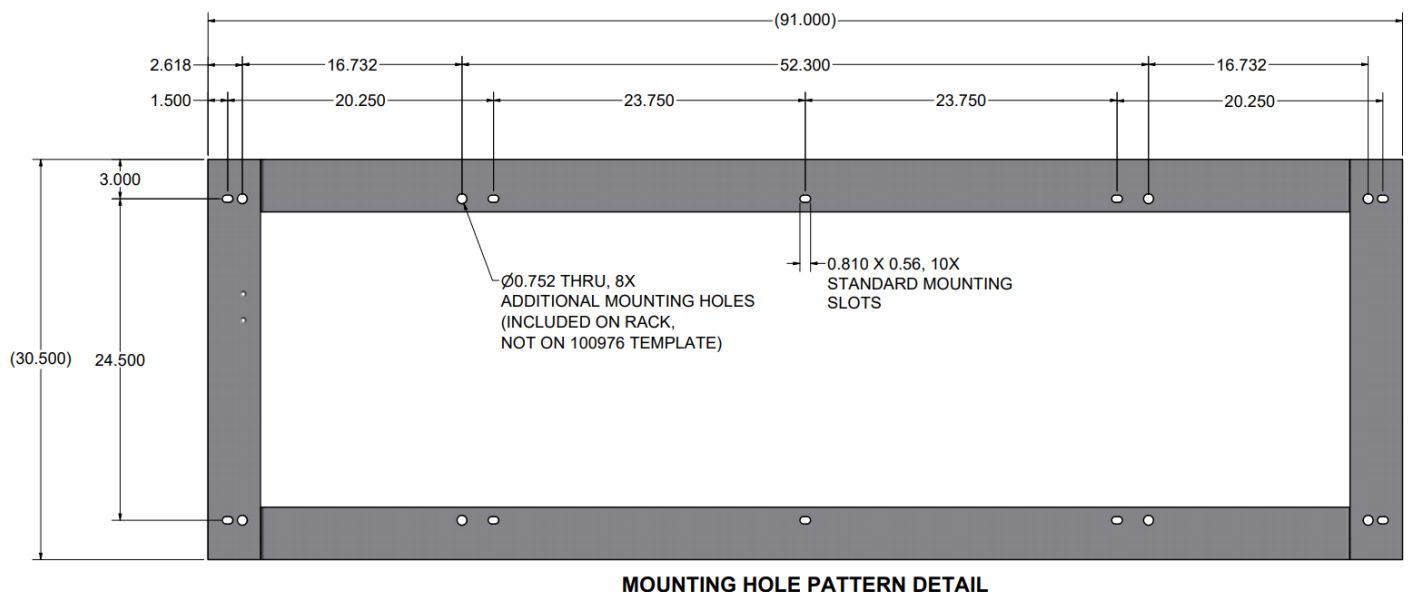


Luggage Bay Dimensions with Standard Bicycle	
Handlebar Width	Height Needed
26"	32"
27"	32.5"
28"	33"
29"	33.5"
30"	34"

Luggage Bay Dimensions with Fat Bicycle in Upper Position	
Handlebar Width	Height Needed
28"	36.5"
29"	37"
30"	37.5"
31"	38"
21"	38.5"

Mounting the Luggage Bay Rack

1. If needed, use Installation Template 100976 which provides mounting hole locations. Position the template in Luggage Bay compartment per pre-defined layout drawing if available. The template should be located a minimum of 3" from the rear panel and should be centered curb to street side.
2. Secure the template and drill ½" diameter hole completely through the floor in ten places.
3. Deburr drilled holes.
4. Place Luggage Bay Rack into the luggage bay at the desired location. Locate side to side with rack 1.0" farther from curb side than street side. The Luggage Bay Rack should be located square, side to side in both bays.
5. Secure base using supplied HHCS. Use washers under the head of the HHCS and under the nut. The Luggage Bay Rack may be extended a small amount to gain access to holes in bottom plate. **Caution: do not over-extend rack until it is secure – it will fall to the ground.**
6. Tighten all ½" HHCS until they are secure.
7. Fully extend Luggage Bay Rack to verify that the rack is rolling freely and that the Travel Stops are functioning properly.



General Torque Specs

Recommended torque values:

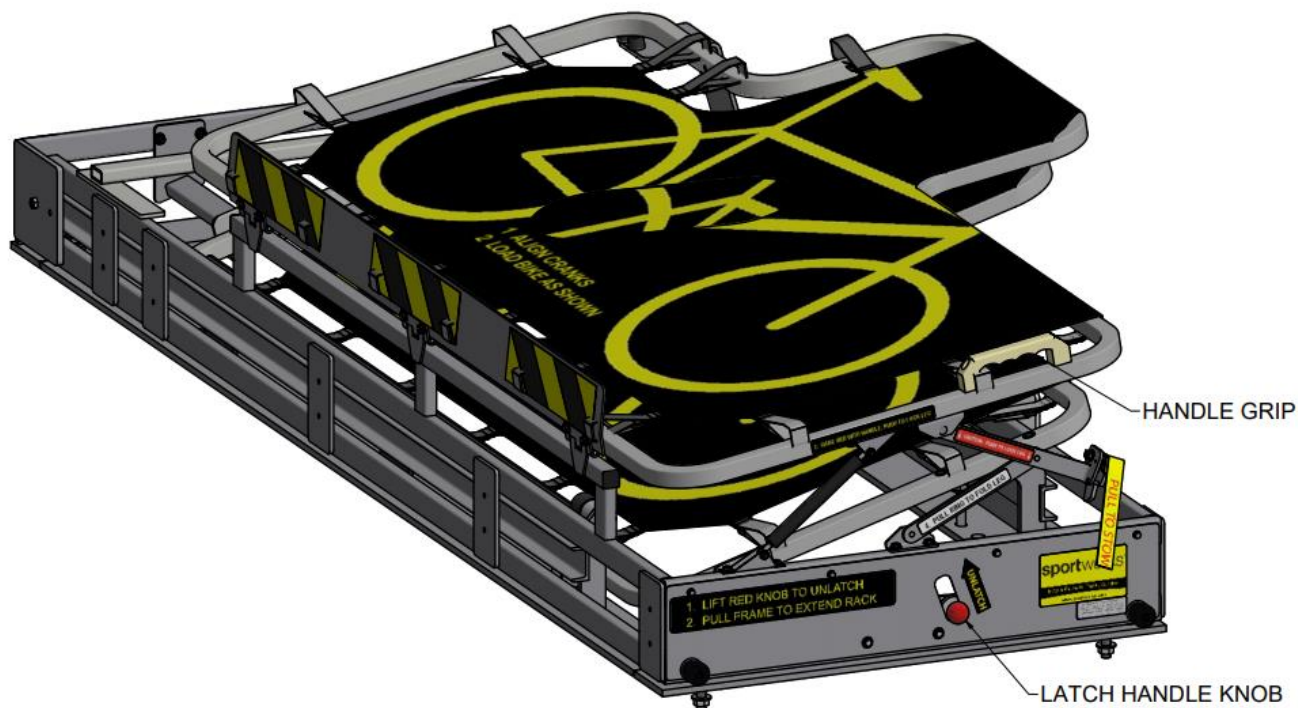
- ½-13 Grade 8 – 80-90 FT-LB
- 3/8-16 Grade 8 – 30-40 FT-LB

OPERATION OF THE BIKE RACK

The Sportworks Bike-Rack-for-Buses has been designed to make the lowest impact possible on transit operations. All loading and unloading of bikes can be done by the bike rider. Sportworks suggests that loading of children's bikes be done by an accompanying adult, though the rack can be easily loaded by young children.

Prepare Rack for Loading

1. Open Luggage Bay Door – pull Latch Handle Knob up and over to release the Bike Rack Latch.
2. Pull and extend the Bike Rack. The Rack will extend approximately 72" until it contacts the Travel Stop.
3. Using the top Handle Grip, raise the Top Bed until it is almost vertical. Push the middle of the folding hinge to ensure that the latch engages and locks the hinge in the open position.

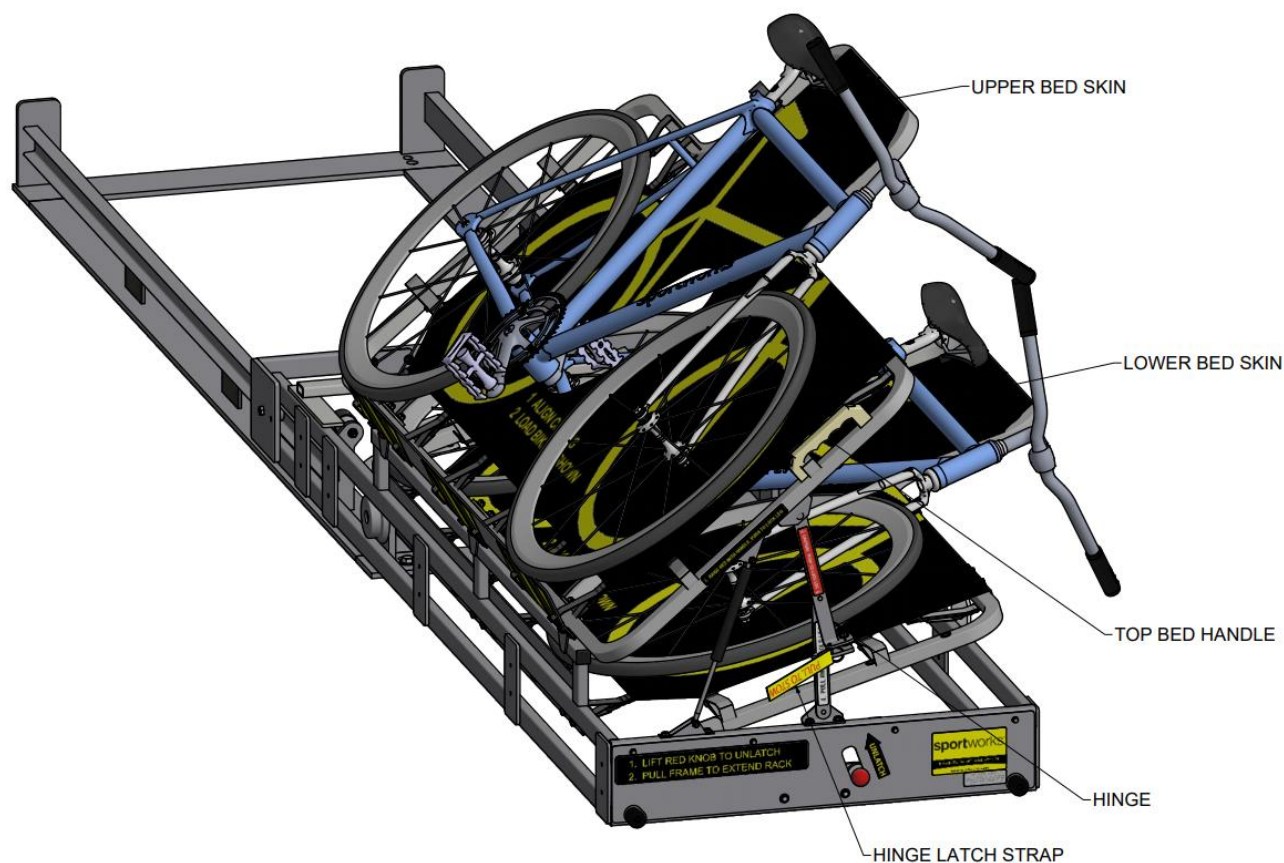


Load Upper Bed Bike

1. Walk bicycle to rear side of Rack with front wheel pointing away from the coach.
2. Align pedals with the pedal cutout in the Bed Skin.
3. Lift bicycle and place both wheels into the Wheel Tray. Align the bicycle so that it matches the graphic on the Top Bed Skin. Lay bicycle against skin.

Load Lower Bed Bike

1. Walk bicycle to front side of rack with front wheel pointing away from the coach.
2. Align pedals with the pedal cutout in the Lower Bed Skin.
3. Lift bicycle and set rear wheel onto the rack against the four-inch tall rail. Roll bicycle towards the coach until the pedal drops into the cutout in the Lower Bed Skin and the front wheel lines up with the end of the bed. Lean bicycle over to lay it down onto the Lower Bed Skin as required to align the bicycle with the graphic.



Lower Top Bed & Stow Rack

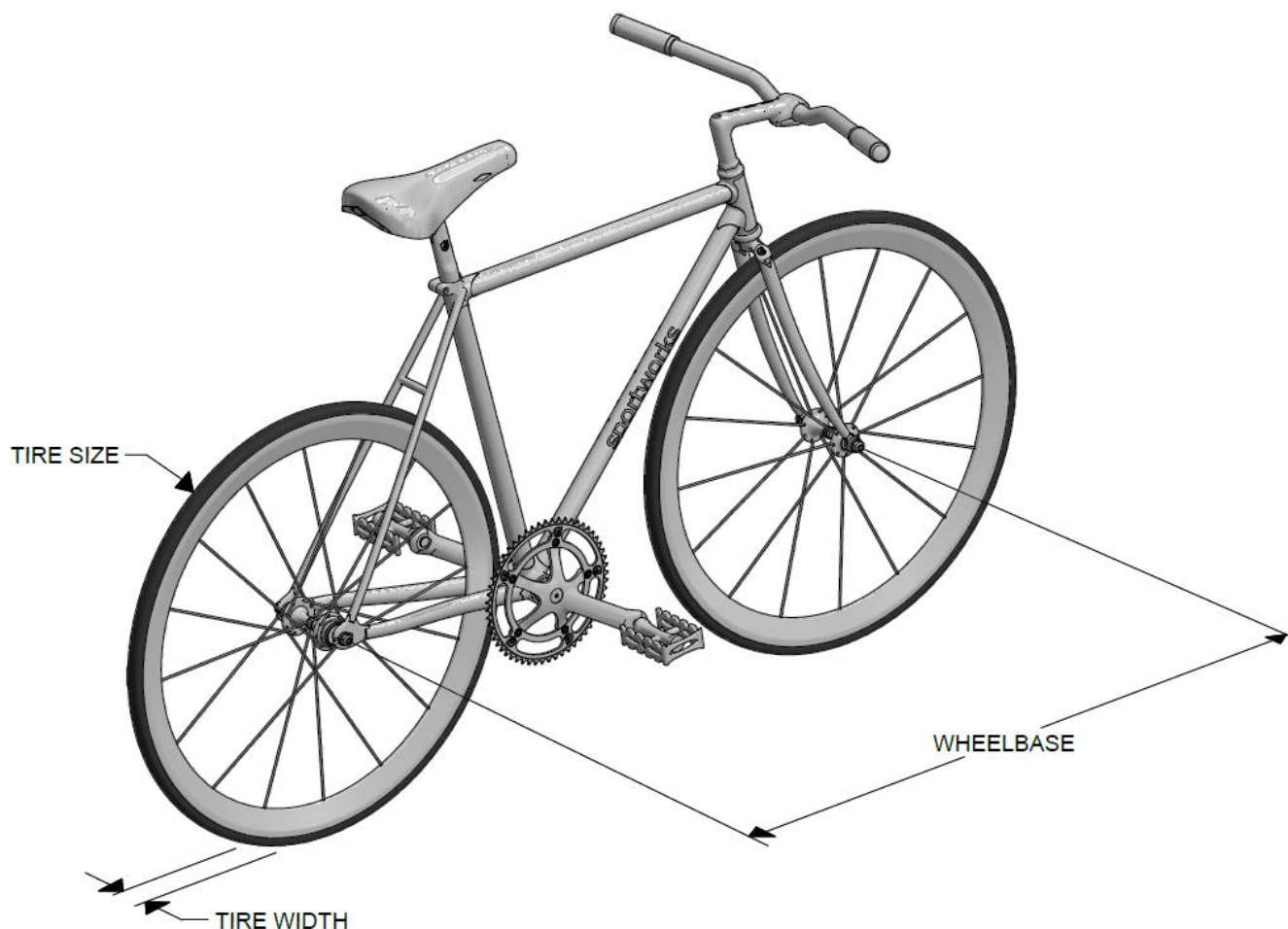
1. Hold Top Bed handle while pulling the Hinge Latch Strap. Fold Hinge while lowering the bed with the handle. Lower the bed until it stops on top of the lower bed.
2. Push the Bike Rack into the Luggage Bay until it contacts the travel stops. The Latch Handle Knob should latch and secure.
3. Close Luggage Bay Door.

Compatible Bike Dimensions and Weight

To ensure safe bicycle fit within the Luggage Bay Rack, each bicycle should comply with the following:

For Horizontal Luggage Bay Rack:

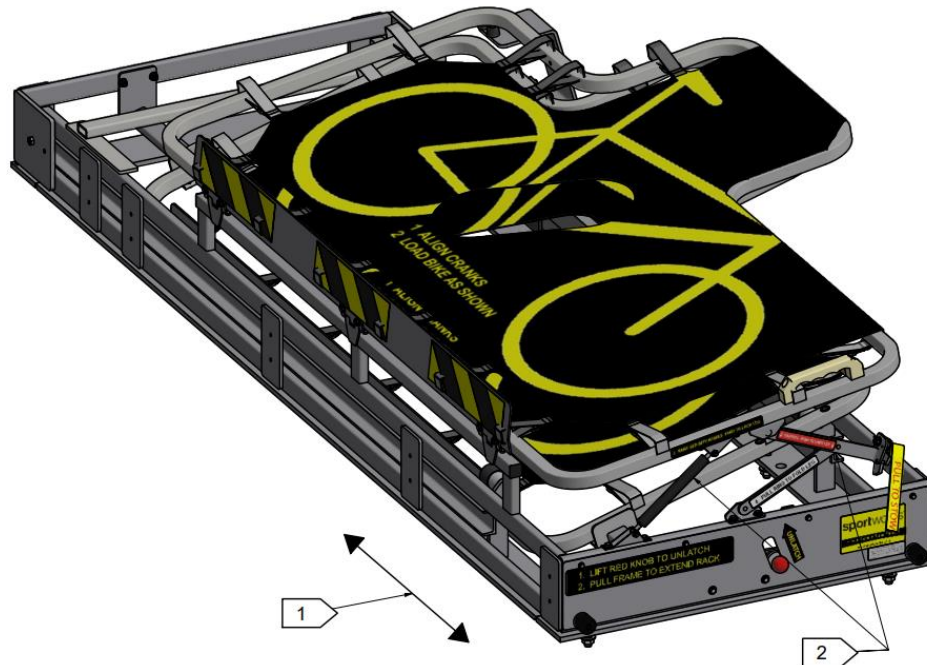
- Wheelbase (max): 48.0in
- Tire width (max): 3.2in (*up to 5.5" fat tires can be accommodated in the upper position, however additional bay height may be needed for handlebars. See section on Installation & Overview for more detail.*)
- Tire size (min-max): 16-29in (incl. 700c)
- Weight (max): 55lbs



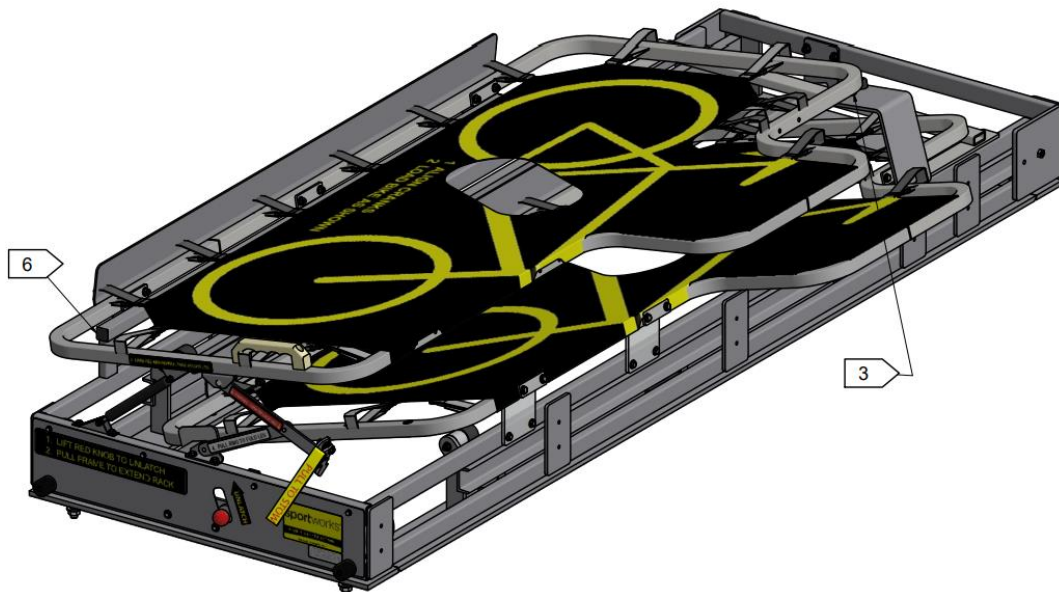
SERVICE AND MAINTENANCE

Your Luggage Bay Bike Rack does not require any periodic lubricating or hardware replacement, however a routine inspection is recommended to identify damaged hardware and to verify that it is operating correctly.

View 1



View 2



30 Day General Maintenance Inspection & Service

Check every 30 days to ensure that:

1. Slide: The Rack must fully slide open and closed. Unlatch and extend the rack fully. Repeat this action several times to ensure that the locking mechanism works properly when stowed and that the extension stop bumpers are in place and preventing over-extension.
2. Upper Bed Hinge and Gas Spring: With monorail extended, lift the upper bed to the vertical orientation. Verify that the hinge will lock the upper bed in the vertical position and the latch plate functions properly. Verify that the gas spring provides lifting assistance and damping when lowering the upper bed.
3. Upper Bed Stow: Verify that the upper bed stows and that it contacts the bumpers attached to the lower frame.
4. Labels: Verify that all labels are legible.
5. Fasteners: Check for loose or missing fasteners.
6. Protective Caps: Verify that the upper bed frame square tube plastic caps are in place.
7. Bed Skins: Verify that upper and lower bed skins are tightly attached with Velcro straps and that they are not ripped.

Replace all damaged or missing parts.