InterLock Operation and Maintenance

Sportworks Northwest, Inc. | 15540 Wood Red Rd NE, Bldg A-200 | Woodinville, WA 98072 | www.sportworks.com
Tel: 425-483-7000 | Fax: 425-488-9001 | salesandsupport@sportworks.com

INSTALLATION & OVERVIEW

The installation of the InterLock requires thought and planning. Easy access for the cyclist to embark and disembark with minimal disturbance to other passengers and efficient placement of bicycle are all issues to consider including:

- Rack Height
- Ceiling Height
- Installation Angle
- Aisle Clearance
- Rack Spacing

Carefully read and understand the following information regarding the positioning of the rack in coach or car before beginning the installation process.

Rack Height, Ceiling Height

The InterLock needs to be installed in an area with about 78” of total height in order to fit most bikes. In the unloaded position, the front wheel hook should be between 70-74” from the ground, and there should be an additional 2+” of clearance to the ceiling to allow front tires to be inserted onto the hook.
Please reference the *InterLock Generic Layout* and *InterLock Dimensions* documents at www.sportworks.com/product/interlock for more detailed space requirements and rack dimensions.

Installation Angle, Aisle Clearance, Spacing

The InterLock may be installed at varying angles with respect to the wall in order to achieve the desired clearances and density. The fore-aft spacing is minimized when mounted perpendicular to the wall, however this requires more aisle space. Mounting at an angle will reduce intrusion into the aisle but will require increasing the fore-aft spacing. Installations from 90° (perpendicular to the wall) to 40° are common. Right-hand and left-hand InterLocks are also available to make it easier for the customer to load their bicycles.

For more detailed information on space planning prior to installation, see the *InterLock Generic Layout* document at www.sportworks.com/product/interlock.

Mounting the InterLock

The InterLock has two modular brackets that can be secured to the wall with nut plates, rivet nuts, attached to a seat rail or installed onto a mounting bar if spanning a window is required.

General Torque Specs

The InterLock is installed with a combination of 18-8 SS SHCS and BHCS, 5/16-18 and 3/8-16 thread sizes.

Recommended torque values are:
For 5/16-18 = 132 IN-LB (15 Nm)
For 3/8-16 = 236 IN-LB (27 Nm)

OPERATION OF THE INTERLOCK

Loading Bikes

When used properly the InterLock is quick and easy to load.

- As you approach the InterLock, hold the bicycle handlebars with both hands.
- Rotate the bicycle on its back tire so it stands vertically.
- Stabilize the bicycle by resting the bicycle saddle on your thigh or waist.
- Lift the front wheel onto the hook.
- Lower the bicycle to clamp the front wheel into place.
- Secure the rear wheel in the tray with the strap.

Unloading Bikes

You may want to wait until the coach or car has come to a stop.

- Un-hook the rear wheel strap
- Raise the bike and lift the front wheel off the hook using your thigh against the seat to assist.
- Proceed to disembark.

Sportworks Northwest, Inc. | 15540 Wood Red Rd NE, Bldg A-200 | Woodinville, WA 98072 | www.sportworks.com
Tel: 425-483-7000 | Fax: 425-488-9001 | salesandsupport@sportworks.com

InterLock Bike Rack Visual Inspection

The InterLock does not require any periodic maintenance, however to ensure the bike rack has not been damaged and that it is working properly a periodic inspection is recommended. The following quick visual inspection will ensure an operable interior bike rack. Use this page as an inspection sheet for your transit operators.

Examine the items below before operating your coach. If the InterLock bike rack does not function properly, service it before putting it into operation.

1) _____√ WHEEL CLAMP ASSEMBLY NUTS ARE IN PLACE - Verify that lock nuts are in place and adjusted properly. Front Wheel Clamp Assembly should move up and down freely. Replace or adjust nuts if needed.

2) _____√ MOUNTING FASTENERS ARE SECURE - Verify that Upper Assembly socket head cap screws are secure. Replace or tighten if needed.

3) _____√ HOOK GRIP INTACT - Verify that cushioned grip is in place and not damaged. Replace if needed.

4) _____√ REAR WHEEL STRAP FUCTIONAL - Verify that strap is in place and not damaged. Replace if needed.

5) _____√ T-FITTING FASTENERS ARE SECURE- Verify that Stanchion T-Fitting fasteners are secure and that the T-Fitting will not slip off of the stud plate.

Sportworks Northwest, Inc. | 15540 Wood Red Rd NE, Bldg A-200 | Woodinville, WA 98072 | www.sportworks.com
Tel: 425-483-7000 | Fax: 425-488-9001 | salesandsupport@sportworks.com

InterLock Bike Rack Visual Inspection Schematic

Document Revision History

12/30/2020 – Initial release