



Luggage Bay Rack

Universal luggage bay rack p/n 100960

Completely redesigned in 2011, the Luggage Bay Rack fits Motor Coach Industries (MCI) over-the-road (OTR) vehicles and select Van Hool OTR vehicles. This rack offers an enclosed, safe and secure bicycle transport system without adding length to your vehicles. Careful attention was paid in keeping the bikes separated from each other with the trampoline like loading surface. Combine this rack with our front mounted bicycle racks to solve capacity limitations on your higher volume routes.

2011 Design Improvements

- NEW "Universal" design can be fitted within MCI "D" Series coaches, the new MCI Luggage Bay with utility tunnel, and select Van Hool vehicles.
- NEW compact design measures 91.9" long x 43.6" wide x 19" high, providing a narrower footprint to fit smaller luggage compartments.
- NEW sliding assembly revised to reduce weight, and extend approximately 72 inches, making it easier to load/unload when space is limited.
- NEW modular trampoline frame sub-assembly allows for easy repairs and replacement.
- NEW upper and lower trampoline beds are identical to simplify repairs and replacement parts.
- NEW upper bed folding hinge re-designed to increase durability.
- NEW layout allows both bikes to be loaded with the front wheel curb-side.

Features & Benefits

- Carry two bicycles per luggage bay - Increases capacity beyond front bumper-mounted bike racks.
- No contact between bikes during storage - Insures the bikes will not be scratched during travel.
- Tilting trampoline style surface - Allows easy loading and unloading of various size bicycles.
- Bicycle “Silhouette” on each surface - Communicates proper loading position for each bike.
- Bikes can be independently removed from the carrier - Allows the user to remove only their bicycle, further promoting quick loading and unloading.

Bid Specifications

Dimensions and Capacities	Benefit
1) The bicycle rack shall be capable of carrying two bicycles.	Allows customers with bicycles to access the transit system.
2) Designed to fit within MCI “D” Series coaches, the new MCI luggage bay with utility tunnel, and select Van Hool vehicles.	Concealed within a preexisting space.
3) The bicycle rack shall accommodate bicycles with wheel sizes from 16 inches to 29 inches, excluding tandems and recumbent bicycles.	Accommodates the majority of bicycle <u>wheel</u> sizes
4) The bicycle rack shall accommodate bicycles with a wheelbase dimension of up to 48 inches.	Accommodates the majority of bicycle <u>frame</u> sizes
5) Lifting weight to operate the rack is less than 20 pounds.	Allows easy operation of the rack for all body types.
Safety and Construction	Benefit
1) Finish on all metal parts is powder coated to resist corrosion.	Durable time tested finish that retains its good looks and protects the rack from corrosion
2) The carrier, when stowed allows the safe operation of the coach by allowing the cargo bay door to completely close and latch.	Keeps bikes safe and secure while the coach is in motion.
3) All outside corners of the rack are rounded.	Rounded corners are friendly to users’ legs when loading and unloading their bicycle.
4) A minimum number of parts are used on the carrier, and there are no loose parts.	Easy to maintain and simple to understand. Eliminates the risk of losing a valuable bicycle.
5) Maintenance of the bicycle rack shall not require the use of any surface lubrication.	Eliminating the need for liquid lubricants greatly reduces the likelihood of binding due to road debris build-up on moving parts.
6) The bicycle rack shall be designed specifically for commercial transit use and not for consumer use.	The transit environment will quickly destroy a rack made for occasional consumer use.
7) The carrier employs an active latching system securing the rack in its stowed position.	Keeps the rack secure in the cargo bay during cornering and when opening the bay door, preventing the rack from sliding out on a slope.
8) The bicycle rack shall include a warranty against manufacturing defects for a period of one year.	The manufacturer stands behind the product.
Operation	Benefit
1) The bicycles shall be able to be loaded and unloaded independent of each other.	Allows the user to remove only their bicycle, further promoting quick loading and unloading.
2) The bicycle rack is designed such that the bicycle rider is only able to load and unload the bicycle from the “curb-side” of the vehicle.	Ensures the bicycle rider is in a safe location when using the rack.
3) The bicycle rack shall be clearly marked with easy to follow instructions for operation.	Educates the user as to the correct orientation of the bike when loading, further ensuring the shortest loading and unloading time possible.
4) The carrier employs a bicycle silhouette instructing the user of the proper loading position.	Educates the user with wordless diagrams as to the correct orientation of the bike when loading, further ensuring the shortest loading times possible.
5) The custom made monorail allows the carrier to slide out to load and unload bicycles and slide in to stow.	Allows the user to load and unload the bike free of the luggage bay.
6) A gas shock is used to assist in the lifting of the upper “bed”.	Assists the user in lifting the bed while loaded or unloaded.
7) The carrier is equipped with a user activated “release latch” to deploy the carrier.	This keeps the rack stowed until the user chooses, again reducing the risk of injury.