



Hitch-Rack Q Series Carrier

Instructions for Use with Carrier System Patent

RSA patent no is 2008/01680

Congratulations on purchasing a quality Hitch-Rack product from Xrad Trailers. Please read the following instructions to ensure safe and reliable operation of the product.

Contents supplied with your Q series Hitch Rack:

- 1x Mobility strap (has a snap hook on either end)
- 1x 24mm 1/2 inch socket
- 1x Double snap hook tether
- 1x Soft loop tether
- 1x Coupler complete with bolts, nuts, washers 16mm Clevis pin and double R clip



Installing Coupler on Vehicle

The Hitch-Rack system is designed to work with a standard flanged 50mm gooseneck type tow-ball of the type shown in the pictures below. If your vehicle has another type of tow-hitch, it may not be compatible with the Hitch-Rack system. Please consult your dealer or Xrad technical support at 031-766-1957 if you experience any difficulty. The tow-ball must be remounted using the fasteners supplied by following the steps below:

1. Remove the tow-ball from the tow-bar (Fig 2).
2. Attach the coupler to the 4 hole drop plate using the bolts provided—will be M16 8.8 tenstle bolts (Fig 3)
Note: Before starting, ensure that the vehicle is level by using a small spirit level and just nipping the bolts up on the coupler.
3. Reintroduce the tow-ball with the longer 130/140mm bolts (Fig 4). Note: Using the spirit level again on any straight edge, check for levelness.



Figure 1



Figure 2



Figure 3



Figure 4

Mounting and Removal of Hitch-Rack on Vehicle

1. Lower the tube section of the carrier into the square receiver in the coupler until the holes in the parts line up. (Fig 5) If necessary, turn the tensioning bolt counter clockwise to allow the carrier to sit lower in the receiver.
2. Insert the clevis pin through the assembly. (Fig 6)
3. Insert the R-clip into the hole in the clevis pin. (Fig 7)
4. Tighten the tensioning bolt until there is no play in the assembly (Fig 8)

To remove the Hitch-Rack, reverse the above procedure.



Figure 5



Figure 6



Figure 7

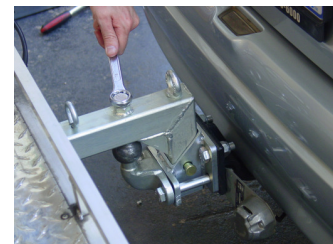


Figure 8

Securing Mobility Scooter to Hitch-Rack

1. The mobility scooter is secured onto the carrier at two points—via the winch and the mobility strap. For safety purposes **both** points must be secured. Loop the soft tether loop around the tube in the bumper. Attach the snap hook of the winch to this loop. Winch your scooter onto the carrier (ensure that the scooters batteries are facing the right-hand side / backwards), release the spring bolt to lock the bed in the lock down position. Run the Mobility strap from one eye bolt across the foot well on the front of the mobility scooter to the eye bolt on the opposite side of the carrier. Take up most of the slack and ensure that the cam buckle is engaged properly. Now, create tension by pulling the scooter back with the winch — this will tension the scooter between the two points of contact.
2. Attach the double snap-hook tether to the loop next to the spring bolt and attach the other end to the soft loop that is attached to the bumper.

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