



## Hitch-Rack M1, M2 and M3 Instructions for Use

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.

### Re-mounting of Towball on Vehicle

The Hitch-Rack system is designed to work with 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 re-mounted using the fasteners supplied by following the steps below:

1. Remove the M16 nuts holding the tow-ball to the tow-bar.
2. Remove the stock M16 bolts.
3. Insert the longer M16 x 60mm bolts supplied in the kit from the opposite direction to the way the stock bolts were installed.
4. Place a lock washer over the protruding portion of each bolt.
5. Place an M16 hex nut on each bolt and tighten to 200 Nm torque. If a torque wrench is unavailable this torque can be achieved by applying 90 kg to the end of the supplied 24mm spanner.
6. At this time a minimum of 21 mm of the M16 bolt should be protruding beyond the surface of the M16 hex nut. If not, contact your dealer or purchase a pair of Class 8.8 zinc-plated M16 bolts of the correct length.
7. Place an M16 lock nut onto the protruding portion of the bolt and screw it on until there is a gap of approximately 7 mm between it and the M16 hex nut.

Your vehicle is now ready to use with the Hitch-Rack.

### Mounting and Removal of Hitch-Rack on Vehicle

1. Hold the Hitch-Rack so that the coupler is directly over the ball of the tow hitch.
2. Lower the Hitch-Rack so that the coupler captures the ball and the flanges slide into the gap between the M16 hex nut and M16 lock nut.
3. Manipulate the Hitch-Rack if necessary to ensure that it is fully engaged with the coupler resting on the top of the ball and the flange fully engaging the locknut.
4. Tighten the M16 lock nut firmly with the 24mm spanner supplied in the kit.
5. Push the Hitch-Rack from side to side to verify that it is securely engaged and does not move relative to the tow-ball.
6. The bar of the Hitch-Rack should now be in a horizontal position or angled slightly upward. If not, experiment with using different washer and lock washer combinations in step 4 of the tow-ball mounting instructions. If the lock washer is omitted, a thread locking compound must be used.
7. Connect the lighting coupler.

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

### Securing Motorcycle to Hitch-Rack

1. Secure the front of the motorcycle with tie-downs to the eye bolts on the tee section of the Hitch-Rack. Tie downs should be sufficiently tight to minimize side to side motion of the motorcycle, especially in the case of motorcycles with long travel suspension.
2. Secure the rear of the motorcycle using the eye bolt attached to the cross piece of the Hitch-Rack. This tie-down should be sufficiently tight to prevent the rear wheel of the motorcycle from being able to jump out of the rails on rough roads.

