



# TA Racks Fitting Instructions

Please read all instructions before assembly commences.

09/09

Issue 5



Certificate No: GB00202

## Fitting the Mounting Block

Applies to all behind the ball fitting racks

**A torque wrench is required to complete this operation.**

The socket plate must be attached to the block before the block is fitted. See overleaf for details.

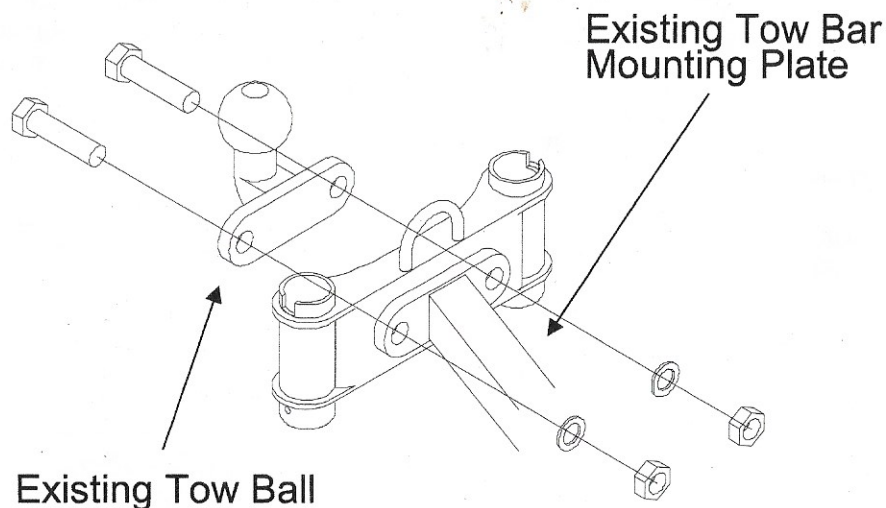
Remove the bolts securing the existing tow ball. Replace the bolts with the M16 bolts supplied.

Re-assemble the tow ball with the mounting block sandwiched between the tow ball and existing bracket, as shown below.

The sockets of the block should be at the bottom and the security loop at the top.

Tighten the Nyloc nuts. (Recommended torque 249Nm)

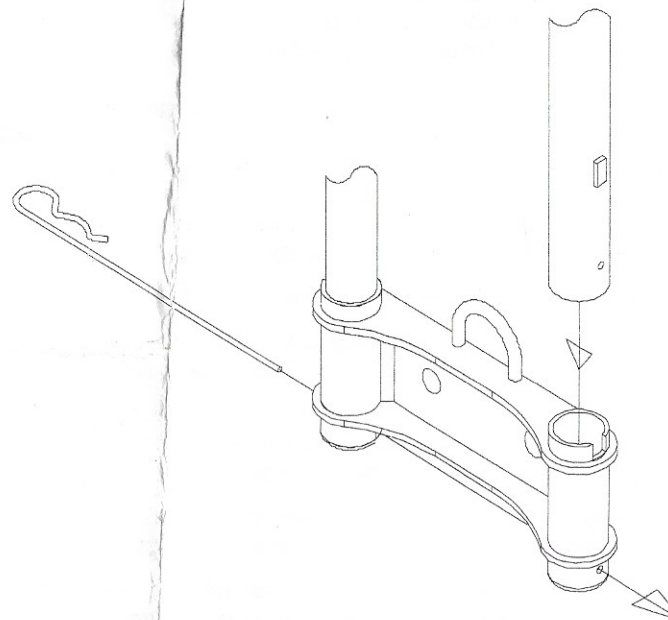
The assembly remains as a permanent fixture. Check the tightness of the bolts after the first use of the rack and then re-check periodically.



## Rack Fitting

Applies to TA3/4/Discovery and Land Rover

Wheel Support Racks: See Separate Instructions



### Checklist

- 2 x Bike Rack Arms (not included if purchasing a block on its own)
- Mounting Block
- 2 x (M16x60) bolts
- 2 x M16 washers
- 2 x M16 Nyloc nuts
- 'R' clip
- Light socket plate with bolts.
- Strap Kit (not included if purchasing a block on its own)
- 'Land Rover' and 'Higher' Arms also include strap back kit.

Slot the support arms into block, making sure the lugs locate in the slots provided, (see above). The 'R' clip inserts through the hole in the sockets after fitting the support arms

There are protective sleeves along the arms to stop the bikes from being scratched

To prevent corrosion inside the sockets please apply a light grease or oil after use.

**See separate Mounting and Securing instructions for information on loading the rack.**

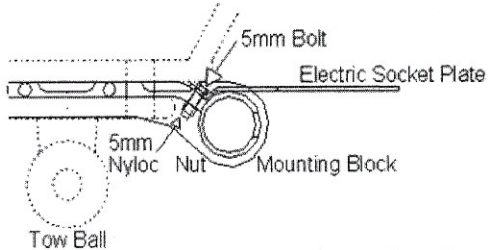
Continues over page



Contact: Pendle Engineering, Pendle Industrial Estate, Southfield Street,  
Nelson, Lancashire, BB9 0LD. Tel: 01282 699 555 Fax: 01282 612 904  
Web: www.pendle-bike.co.uk Email: info@pendle-bike.co.uk

Please note that the block and arms are individually matched by hand prior to packing. If you are purchasing a replacement block we cannot guarantee it will fit older arms. Please contact us if you have any problems.

## Socket Plate

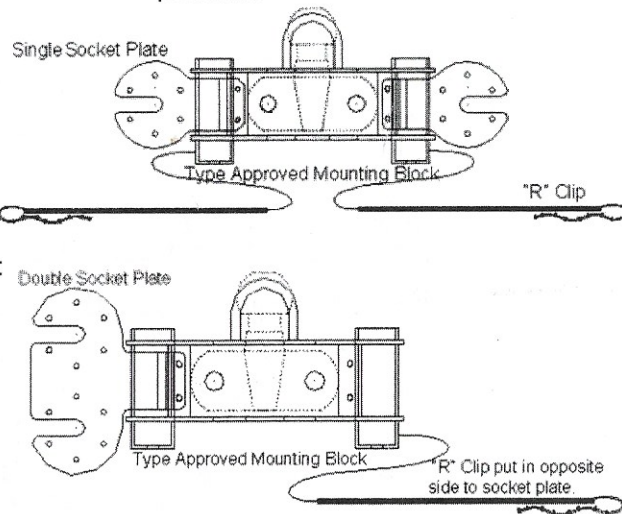


The socket plate replaces the existing electrical socket plate on your tow bar to make it accessible with the mounting block in place.

We recommend that these plates are fitted to the block before attaching the block to the vehicle. They should be bolted at the rear with the 5mm bolts provided.

The bolts should be inserted from the back of the plate through the holes in the block, and tightened at the front with the 5mm Nyloc nuts provided.

Both **Single and Double socket plates** can be placed at either side of the block. However, the 'R' clip must be inserted from the opposite side to the socket plate.



### Checklist

	S	D
• Light plate	1	1
• M5 Nyloc nuts	5	8
• M5 washers	3	6
• M5x35 screws	3	6
• M5x16 screws	2	2

S = single plate

D = double plate (optional)

The customer has the responsibility to ensure correct installation, and on going maintenance procedures, as stated on the company instruction literature. Instruction literature should always be kept in a safe place for future reference when required.

### Max. Capacity.

The maximum capacity of the Pendle Tow Bar Rack is either 3 or 4 bikes depending on rack type ( TA3 or TA4/D/L), weighing no more than 45kg or 60kg altogether. The rack weighs 6 kg (TA3), 8 kg (TA4), 8.5kg (TAD) and 9kg (TAL). Therefore always check that your towbar can carry the combined weight of the bikes and rack.

### Obstruction of Lights/Numberplate

The bike rack should not be used in a position, which will obstruct the lights or numberplate on the vehicle unless an auxiliary lighting unit and numberplate are used. Always check the light unit is working before a journey.

Pendle Engineering strongly advise users of Pendle Bike Racks that they consider the following important information:

- Do not overload your bike rack. This is unsafe practice and can result in increased wear on parts. Recommended Maximum load = 15kg per bike
- Do not use damaged or heavily worn straps. Check straps regularly to ensure that they do not show signs of wear - any worn straps should be replaced immediately.
- Tighten straps at regular intervals on long journeys, particularly if the road surface is uneven for any period of time.
- Rear vision may be restricted by the bike rack when using the interior rear view mirror, therefore please make full use of the external wing mirrors.
- It should be noted that the handling and braking characteristics might be affected when carrying cycles. The mounting block may interfere with parking radar sensors.
- In some countries outside the U.K. there may be restrictions on towbar mounted cycle carriers. Please check with the relevant national tourist authority before entering these countries.
- When positioning and loading the carrier ensure the user can keep the cycle tyres above and out of the way of the hot exhaust gases.
- Take special care when negotiating extreme road surfaces, road humps and ferry ramps.
- When towing with the rack always ensure that your turning circle does not interfere with the rack. Also check that your coupling/stabiliser doesn't interfere with the carrier (this may be rectified by fitting a long series tow ball). Do not carry more than 2 bikes when towing. Towing with bikes in place may not be possible in some extreme cases.

### Maintenance

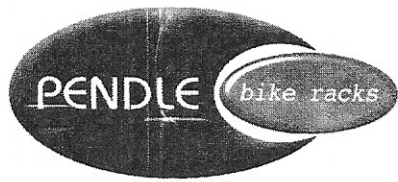
We encourage regular maintenance and inspection of your rack to keep it in good condition. After use in wet conditions the rack should be dried before storage. We also recommend applying grease to sliding parts of the rack to prevent corrosion and seizing.

If you are in any doubts about the condition of parts that are worn or damaged they should be replaced. We stock a comprehensive range of spare parts that are available direct or via your local stockist.

### Liability

Pendle Engineering Ltd shall not be liable for any loss or damage, sustained or incurred, by the owner of a Pendle Bike Rack or any third party, or otherwise in relation to any incident directly or indirectly related to the use of a Pendle Bike Rack unless caused by the negligence of Pendle Engineering Ltd.

Pendle Engineering Ltd has taken every precaution to comply with the recommendations of Trading Standards directives, and have designed and manufactured our bike racks under the requirements of our ISO 9001:2000 approved Quality management system.



# TA Rack

## Fitting Guide

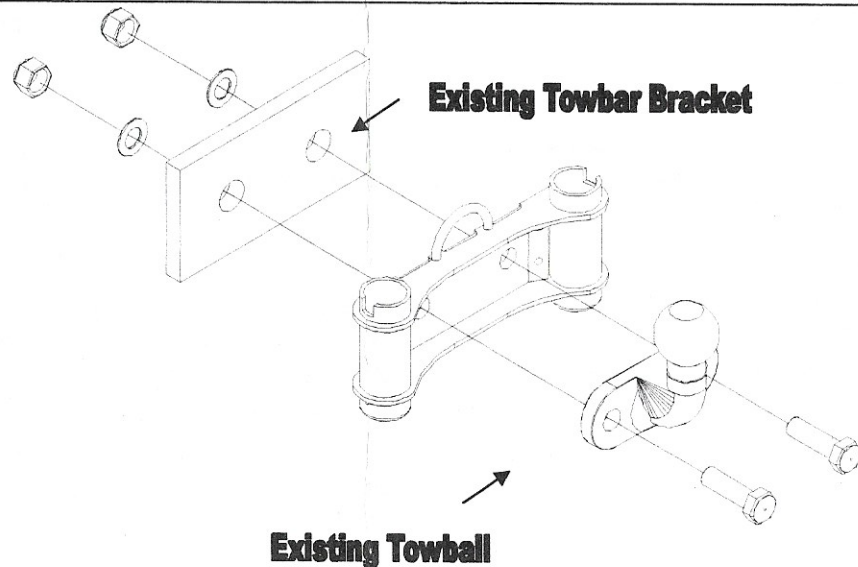


Please read all instructions before assembly commences.

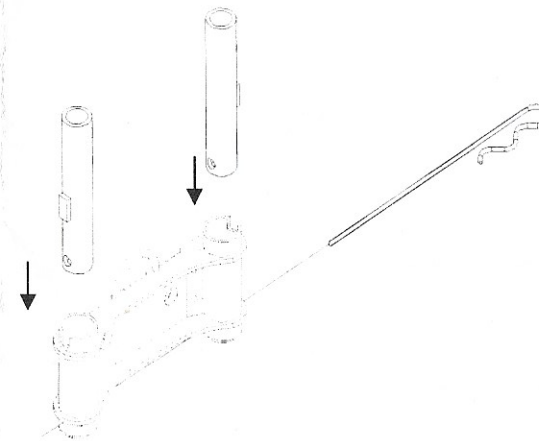
### Altering the Towbar

A torque wrench is required to complete this operation.

<b>1</b>	The socket plate must be attached to the block before the block is fitted. See overleaf for details.
<b>2</b>	Remove the bolts securing the existing tow ball. Replace the bolts with the M16 bolts supplied.
<b>3</b>	Re-assemble the tow ball with the mounting block sandwiched between the tow ball and existing bracket, as below.
<b>4</b>	The sockets of the block should be at the bottom and the security loop at the top.
<b>5</b>	Tighten the Nyloc nuts. (Recommended torque 249Nm)
<b>6</b>	The assembly remains as a permanent fixture.



### Rack Assembly



<b>Checklist</b>	
•	2 x Bike Rack Arms
•	Mounting Block
•	2 x (M16x60) bolts
•	2 x M16 washers
•	2 x M16 Nyloc nuts
•	'R' clip
•	Light socket plate with bolts.
•	Strap Kit

<b>1</b>	Slot the support arms into blocks, making sure the lugs locate in the slots provided, (see above). The 'R' clip inserts through the hole in the sockets after fitting the support arms
<b>2</b>	There are protective sleeves along the arms to stop the bikes from being scratched
<b>3</b>	To prevent oxidation inside the sockets please apply a light grease or oil after use.

See separate Mounting and Securing instructions for information on loading the rack.

**Please Turnover**

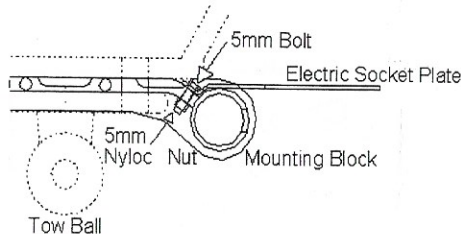


Contact: Pendle Engineering, Unit 6, Pendle Industrial Estate, Southfield Street, Nelson, Lancashire, BB9 0LD. Tel: 01282 699555 Fax: 01282 612904

Web: www.pendle-bike.co.uk Email: info@pendle-bike.co.uk



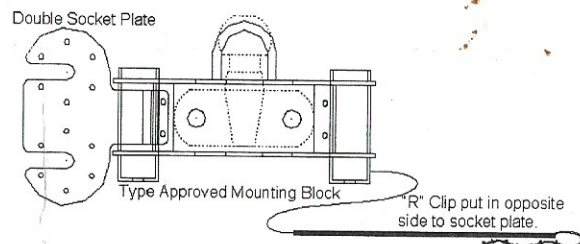
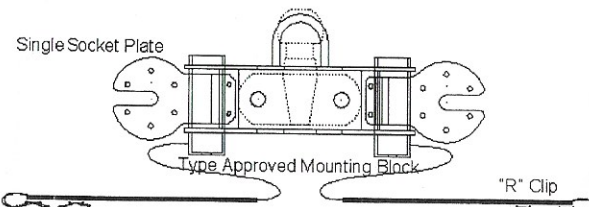
# Socket Plate



We recommend that these plates are fitted to the block before attaching the block to the vehicle. They should be bolted at the rear with the 5mm bolts provided.

The bolts should be inserted from the back of the plate through the holes in the block, and tightened at the front with the 5mm Nyloc nuts provided.

Both **Single and Double socket plates** can be placed at either side of the block. However, the 'R' clip must be inserted from the opposite side to the socket plate.



## Checklist

- |                 | <b>S</b> | <b>D</b> |
|-----------------|----------|----------|
| • Light plate   | 1        | 1        |
| • M5 Nyloc nuts | 5        | 5        |
| • M5 washers    | 3        | 6        |
| • M5x35 screws  | 3        | 6        |
| • M5x16 screws  | 2        | 2        |

S = single plate

D = double plate (optional)

Pendle Engineering Ltd has taken every precaution to comply with the recommendations of Trading Standards directives, and has designed and manufactured its bike racks under ISO 9000 Quality Standards.

The customer has the responsibility to ensure correct installation, and on going maintenance procedures, as stated on the company instruction literature. Instruction literature should always be kept in a safe place for future reference when required.

## Max. Capacity.

The maximum capacity of the Pendle Tow Bar Rack is either 3 or 4 bikes depending on rack type ( TA3 / TA4), weighing no more than 40.5 kg or 54 kg altogether. The rack weighs 7.5 kg (TA3) and 9 kg (TA4). Therefore always check that your vehicle can carry up to 48 kg (TA3) and 63 kg (TA4).

Pendle Engineering strongly advise users of Pendle Bike Racks that they consider following important information:

- Recommended Maximum load = 13.5kg per bike
- Ensure that straps do not show signs of wear - any worn straps should be replaced immediately.
- Tighten straps at regular intervals on long journeys, particularly if the road surface is uneven for any period of time.
- Rear vision may be restricted by the bike rack when using the interior rear view mirror, therefore please make full use of the external wing mirrors.
- It should be noted that the handling and braking characteristics might be affected when carrying cycles.
- In some countries outside the U.K. there may be restrictions on rear mounted cycle carriers. Please check with the relevant national tourist authority before entering these countries.
- When positioning and loading the carrier ensure the user can keep the cycle tyres above and out of the way of the hot exhaust gases.
- Take special care when negotiating extreme road surfaces, road humps and ferry ramps.

## Obstruction of Lights/Numberplate

**The bike rack should not be used in a position, which will obstruct the lights or numberplate on the vehicle unless an auxiliary lighting unit and numberplate are used.**

## Liability

Pendle Engineering Ltd shall not be liable for any loss or damage, sustained or incurred, by the owner of a Pendle Bike Rack or any third party, or otherwise in relation to any incident directly or indirectly related to the use of a Pendle Bike Rack unless caused by the negligence of Pendle Engineering Ltd.

All steel used in the manufacture of Pendle Bike Racks has been procured from a Q.A.(ISO9000) source of manufacture and supply chain, which has been third party approved to ISO9000 in accordance with the conditions of our registration to B.S.E.N. ISO9002



# Mounting and Securing Bikes to the Rack

08/05 Issue 1



Certificate No: GB00202

## Towbar Racks

Place the first bike on the rack by putting the frame over the support arms and push it to the end of the arms. Tie this bike to the rack with one of the straps.

Take the second bike and place it on the rack in the same way as the first bike but facing in the opposite direction. This is to prevent the handlebars interlocking. Make sure no other parts of the bikes, such as the pedals interlock either.

Repeat this for any other bikes you place on the rack. Secure all bikes to the first bike using a strap. Finally secure all the bikes with the last strap to the securing loop on the block.

Other straps may be used if you feel they are necessary. These may be purchased from Pendle Engineering or your local stockist.

## Wheel Support Tow Bar Racks

The vertical supports must be positioned alternately between poles, this is important so the bikes can be positioned correctly.

Adjust the D Loop positions so that they match the wheelbase of your cycles. Place the bikes onto the rack facing in opposite directions so that the handlebars cannot interlock. The vertical support should not interfere with the pedals.

Once the bikes are in place, secure them to the rack using the 0.5m straps supplied. Tie one strap around each wheel and D loop and tie one strap around the frame and vertical support.

Tighten the straps and check the bikes are secure.

## Strap on Rack, Spare Wheel Rack and Strap on Tyre Rack

Hook the frame of the first bike over the support arms of the rack. Tie the bike to the rack using one of the straps supplied.

Place the second bike on the rack in the same way as the first bike but facing in the opposite direction. This is to prevent the handlebars interlocking. Make sure no other parts of the bikes, such as the pedals interlock either. Strap this bike to the first bike using one of the straps.

Repeat this for a third cycle (where capacity allows) and strap it to the first two cycles.

Other straps may be used if you feel they are necessary. These may be purchased from Pendle Engineering or your local stockist.

Pendle engineering advise against the use of bungee straps for securing bikes. We also recommend that you check straps before and during your journey.

Spare webbed straps are available from Pendle Engineering or your local stockist.

Contact: Pendle Engineering, Pendle Industrial Estate, Southfield Street, Nelson, Lancashire, BB9 0LD. Tel: 01282 699 555 Fax: 01282 612 904

Web: [www.pendle-bike.co.uk](http://www.pendle-bike.co.uk) Email: [info@pendle-bike.co.uk](mailto:info@pendle-bike.co.uk)