



# Craven Equipment

Inspired by Adventure Built for Everyday

## General fitting instructions

### Racks

Our racks are made to fit certain models and we design the fittings to suit. However the racks can be fitted to nearly any bike, you may need to modify / manufacture some fittings to suit. Should you have bought the bike specific fittings, firstly identify the brackets and their respective fastenings; note that some brackets, especially the long support arms, could be handed.

Loosely attach the brackets to the bike and then to the rack. Threads should be lubricated before assembly with the copper grease sachet to ease fitting. Brackets may occasionally need to have a twist put in them or bending a little in order to line them up. They are all made in stainless steel so there is no surface coating to damage.

Finally tighten the nuts and bolts, which are metric and stainless.

The diagonal supports towards the rear of the L rack are there should you need to relocate your indicators.



W series Rack

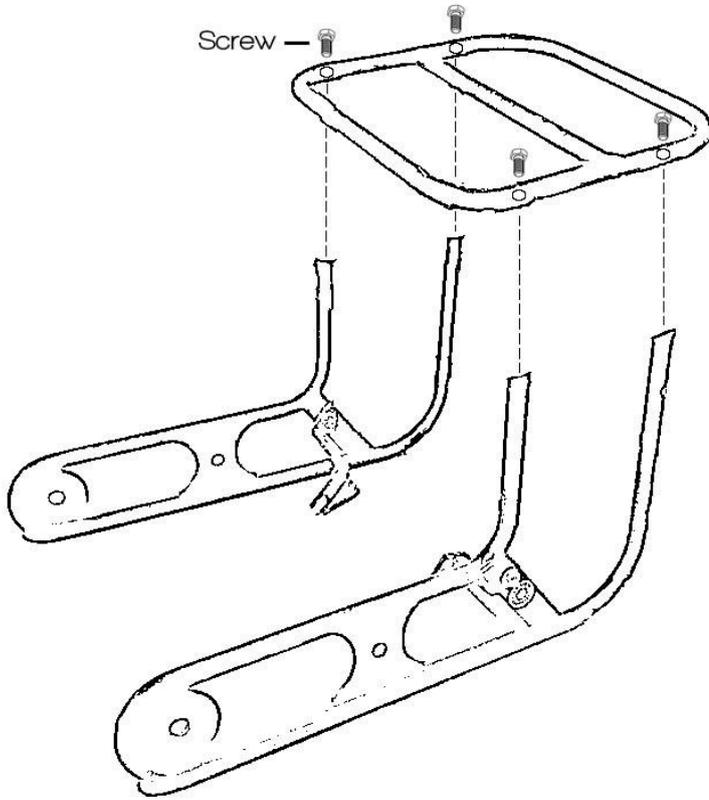


L series Rack



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Our L series racks are now made in a flat-pack design, to save production time, costs and of course shipping costs. Each of these racks should come with an M6 Allen key for construction and four screws. See diagram.

The wider end of the top rack should point towards the front, and narrow towards the back. Ensure the top screws are fully tight before attaching to the bike.



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Fittings for mounting the panniers:

Tools required:

13mm spanner

The picture below shows the W series rack and the L studs which your panniers will mount on. As the racks have a ski rail at the bottom this allows you to move the L studs to the position you require.



Step 1:

Once you have mounted the rack onto your bike you can then attach the fittings to hold your panniers.

The kit comprises 4x L studs, 4x 8mm nyloc nuts, 4x 8mm full nuts and 4x 8mm plain washers (image above).

The L studs go through the ski rail from the outside, but first you will need to screw on the 8mm full nut first and wind it approximately half way up the thread. Once you have done this you can put it through the ski rail and then attach the 8mm plain washer and 8mm lock nut on the back/inside of the rack. The lock nut will only screw on so far by hand before it starts to tighten, so this way you can adjust the 8mm full nut on the outer side. Make sure both L studs are equal distance outwards from the rack otherwise your panniers won't be straight. Finally tighten the locknut. The second picture shows the assembly all together.



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## Panniers

Tools Required:

- Drill with 1x 5mm drill bit
- 1x 8mm spanner
- 1x 3mm allen key
- 1x marker pen
- 1x reel of masking tape

Pannier fittings - To fit the panniers use kit KPanTop (1 set per pannier) and one quick release button (B127) for the bottom fixing.

KpanTop-2 (1 set pictured)



B127 Pinlock (2 required)



## Panniers:

The panniers should be mounted as far forward and as low as is practical to aid stability.

### Top Fixing:

#### Step 1:

Use a piece of masking tape to protect the pannier where you intend to drill. Hold the pannier in place and, using P298 backplate as a temple (as shown below), decide where you want the pannier positioned and mark the holes.



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## Step 2:

Drill two 5mm clearance holes using the bracket P298 backplate as a template. The drill bit must be sharp as the glass fibre will blunt it fairly quickly. Drill the front holes first and then once you are happy with them you can mark the position ready for drilling the rear mounting holes. Once drilled remove the masking tape.



## Step 3:

Attach KPANTOP-2 top fitting to the pannier. Place the P298 backplate over the holes you drilled, then place the B119 rubber bung onto the centre of the backplate with the hole in the rubber pointing downwards. Then put P299 backplate clip over the top and fasten using the 5mm screws, washers and domed locking nuts (as shown in the pictures below).



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## Lower pannier fixing:

### Step 4:

#### Tools Required:

Drill with a 5mm drill bit, 6mm drill bit, 10mm drill bit, 15mm drill bit, and 20mm drill bit.

1x adjustable spanner large enough for 24mm O.D. nut.

#### Push button type

These quick release buttons are designed for the stud to be fitted to the long support arms and black button within the pannier. Start by hanging your pannier on the bike by the top rubber mounts and find a suitable position for the pin button - ideally this will be as low and as central as possible. Mark a spot on the long support arm, remove the pannier and drill a 6mm hole in the support arm and fit the stainless stud.



### Step 5:

Apply masking tape to the pannier where you are going to drill. Re-fit the pannier onto the hooks on the rack and mark the pannier where the stud on the support arm touches. The overall hole size for the pinlock is 20mm. Using the drill make a small pilot hole with the 5mm drill bit where the mark is and then increase the hole size with a larger drill bit.



### Step 6:



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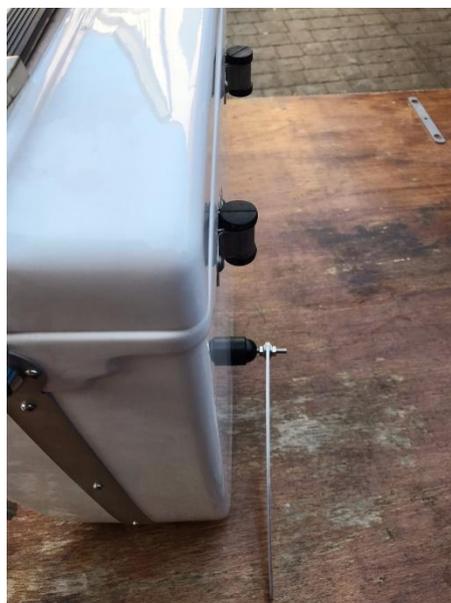
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Once done you will be able to put the push button head on the inside of the pannier with the thread coming through to the outside. Then attach the large 24mm nut, tighten with an adjustable spanner and then push on the B154 pinlock dust cover over the nut. This will then prevent the nut from being undone.



## Step 7:

Once happy with the pannier you can tighten the security nuts on the mounting stud. They are security nuts so when fully tightened the hex will break off. Only do this when you are happy with the position of the stud.





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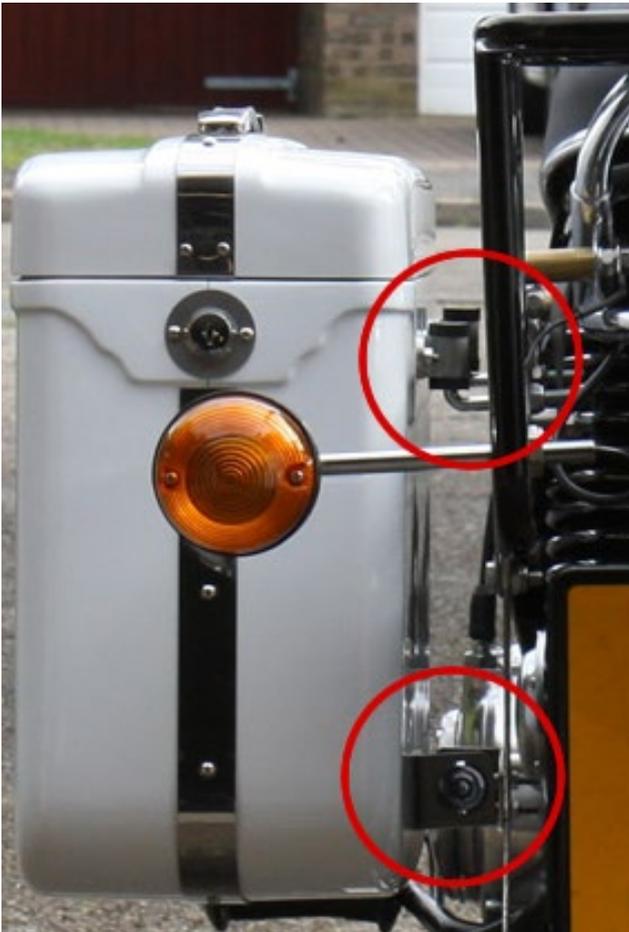


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## Quickly detachable locks:

With the quickly detachable fitting kit, part KLOCK, (see fig 2b) the lock should be on the pannier (P206) and the L bracket (P205) on the bike.





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## Topbox

### Tools required:

1x drill with 5mm drill bit

1x 8mm spanner

### Step 1:

Top boxes do not need any extra parts, other than a rack, as they include all fittings necessary. Your kit should include all parts shown below.





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## Step 2:

Use a piece of masking tape to protect the topbox where you intend to drill. Then place the P299 backplate clip on the masking tape and, using a marker pen, mark the position of the holes through the clip.



## Step 3:

The drill bit must be sharp as the glass fibre will blunt it fairly quickly. Once you are happy with the positioning drill the holes using a 5mm drill bit. Once all the holes are drilled you can place washers outside and in, positioning the clips before putting the lock nuts on. We recommend mounting the head of the bolt inside the box with the thread pointing out of the bottom so as not to catch on the items inside the box.

Our top boxes can be fitted not only to our racks but also other non-Craven racks too.