



Many thanks for your purchase of our new for 2018 APV BMCL back plate, this is an exceptionally robust yet comfortable product that will add fine tuning of your rebreathers position and allow for a strengthened support platform.

The following instructions are designed to aid you in the transplanting of your rebreather onto the back plate and subsequent build of the harness.

What is included?

Here you can see the newly designed back plate, all edges are deburred and smooth to the touch. All webbing slots will easily allow 50mm webbing to pass through, all drilled holes are placed for equipment stowage in mind.



Step 1

Start by centring your one-piece harness and passing it through the back-plate front to rear.





Step 2

Now pass the other end front to rear.



Step 3

The harness will now twist along the length of the slot and sit across the back plate, then feed your harness from back to front via the lower slot.

Note - all one-piece harness systems now come with a centrally placed reinforced rivet hole, allowing for precise placing of the harness centre point and selected height hole on the back-plate.



Step 4

Now finalise the top section by feeding from front to rear through the top slot.





Step 5

This is how the top section should look from the front of the back plate, attention is drawn to the harness coming over the back plate then over your shoulders.



Step 6

Now bring the optional 4 bar slider (used to attach BMCL to harness) onto the harness as shown.



Complete by bringing harness end through lower slot as shown.





Step 7

Fit your D Ring as normal to your required height.



Step 8

If you have selected the Kent Tooling “rollers/winch system” these will be fitted now.



Step 9

Here you can see the harness end passed through the inner slot and also through the roller.





Step 10

Pass the harness end back through the roller and then back through the outer back plate slot.



Step 11

The completed harness through back plate, roller and back through back plate.



Step 12

Now place your slider and D ring onto the waist belt portion of your harness.





Step 13.

The completed D ring on waist belt portion of your harness.



Step 14

Here we see your newly threaded harness (right side) against the BMCL harness.



Step 15

Unthread any D rings and clips from the BMCL harness so that all remaining is the slider and loose end.

Note - You can remove the original slider if you wish (see Step 20 before moving on).





Step 16

Now bring your new Kent Tooling back plate and harness up into view holding the 4 bar slider.



Step 17

Now bring the BMCL loose harness end through the upper slot of the 4 bar slider on your Kent Tooling back plate and harness.



Step 18

Then pass the BMCL loose harness end through the lower slot of the 4 bar slider.





Step 19

Finally pass the BMCL loose end up through the top slot on the 4 bar slider, this now sends the BMCL harness up towards its stitched on start point.

Note - This now locks the BMCL to your main harness.



Step 20

The loose end can then be passed under the stitched-on loop of the BMCL, if you wish you can pass it through the original slider if you left it on.



Step 21

It is recommended that you take time to lengthen the BMCL harness length along with your Kent tooling harness length.

See the photo where both harness lengths are equal when worn.





This completes this tutorial on getting the back plate, harness and BMCL set up for easy use. By using this method, it is also easy to remove your BMCL for routine service inspections. Simply unthread from the 4 bar slider, remove the back plate and remove the BMCL.

If we can be of any further help please do not hesitate in contacting us.

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Safe Diving!

Kent Tooling Diving Products