

Mini-B Sport Assembly Manual



<http://www.mini-b.com>



MINI-B SPORT COMPONENTS



1- Regulator 1st stage
2- 2nd Stage
3- L/P Hose
4- Yoke
5- Dust Cap



L/P Alternate Air Source
hose / 2nd stage



Depth & Pressure Gauge



Manifold



Sprung ended L/P
Inflator Hose



Hexagonal ended L/P
Feeder Hose



Air Cell & Power Inflator



Wide Hose Retaining Strap



Narrow Hose Retaining
Strap



2 x Cylinder Retaining
Straps



Support Board



Hex Key



Cylinder & Valve



Mini-B Sport Rucksack



Securing Bolt

Abbreviations used through-out this manual:

L/P = Low Pressure
H/P = High Pressure

SPECIAL NOTES

Specifications and capacities may vary according to geographical locations.

Only ONE port hole on the regulator 1st stage is H/P, this is denoted by the markings HP, all others are L/P
Once the air cylinder has been charged check for air leaks at hose joints before use.



1- Place the support board into this position



2- Thread the wide and narrow black hose retaining straps through the slots at the top of the support board



3- Thread the silver cylinder retaining straps through the slots at the base of the support board



4- Open the back panel fully but DO NOT remove



5- Separate the two halves of the weight pouch belt



6- Position the support board as shown and feed the silver cylinder retaining straps through the slots at the base of the blue retaining strip



7- Push the support board downwards into the blue retaining strip



8- Fold the two halves of the weight pouch belt together on top of the support board



9- Slide the Air Cell into the slots on the support board



10- Align the metal eyelet at the top of the rucksack with the metal eyelet in the air cell



11- Push the securing bolt through the metal eyelets of the rucksack and the air cell into the nut embedded in the support board and tighten



12- Unscrew the yoke *1* and remove the dust cap *2*. Remove the L/P hose/second stage from the regulator first stage



13- Remove the H/P port plug



14- Remove the L/P port plug to the left of the H/P port as shown. Use this L/P port plug to seal the port from where the L/P hose/second stage was removed



15- Screw the H/P hose of the depth/pressure gauge into the high pressure port



16- Screw the L/P feeder hose into the L/P port



17- Attach the male threaded end of the manifold to the feeder hose



18- Screw the L/P hose/second stage into the female threaded end of the manifold



19- Screw the L/P power inflator hose into the manifold using the porthole closest to the feeder hose



20- Screw the L/P alternate air source hose/2nd stage into the remaining porthole in the manifold



21- Tighten all joints in the air system



22- Ease back the sides of the rucksack



23- Insert the air cylinder as far to the right as possible with the valve pointing to the left. The control knob must point towards you, secure with the retaining straps.



24- Attach the regulator first stage to the cylinder valve with the L/P feeder hose pointing downwards, towards the support board



25- Push the depth/pressure gauge hose through the slot in the left hand side of the rucksack



26- Separate the two halves of the weight pouch belt and place the L/P feeder hose against the support board



27- Fold the two halves of the weight pouch belt together on top of the L/P feeder hose. which must point towards the top left hand corner of the rucksack



28- Position the manifold assembly at the top left hand corner of the rucksack



29- Secure the L/P feeder hose in place with the wide hose retaining strap



30- Secure the L/P hose/second stage in place with the narrow hose retaining strap



31- Attach the L/P inflator hose to the power inflator by pulling the sprung loaded fitting down, and inserting on top of the metal nipple which protrudes.



32- Pull the regulator and alternate source hoses through the top of the rucksack to the right



33- Zip closed the back panel



34- Ensure that the power inflator/hose is on the opposite side of the opening to the other hoses



35- Fold the grey and blue fabric flaps onto each other, bridging the gap at the top of the rucksack



36- Your Mini-B Sport is now fully assembled

OPERATIONAL AND MAINTENANCE INFORMATION

DONNING AND ADJUSTING THE MINI-B TO FIT CORRECTLY

The Mini-B uses a system of anchorage points to allow the user to position the shoulder straps so that it forms a comfortable and correct fit. The shoulder straps can be moved from one anchor point to another by peeling back the velcro strips, pulling the straps through the retaining loop and repositioning through an alternative.

The Mini-B is essentially an underwater rucksack and should be adjusted so that the shoulder straps fit as comfortably as they should on an ordinary land based model.

For added comfort the Mini-B comes with a built in waist strap which should be adjusted to fit around the torso by passing the belt through the buckle.

AFTER USE CARE

The Mini-B requires the same care and attention that traditional form of equipment do after being used in any sub aqua application.

The Mini-B should be rinsed thoroughly in fresh water after use (this can be done whilst still assembled) and then hung up to drip dry outside of direct sunlight.

Should the Mini-B be used for prolonged periods in salt water the entire unit should be submerged and soaked thoroughly in fresh water to remove salt deposits prior to drying.

WEIGHT ADJUSTMENT

The Mini-B has an internal trim weight pouch which doubles as a backboard retaining strap, a velcro strap secures the pockets in place.

It should be noted that weight placed inside the internal weight pouch cannot be dumped once the user is underwater, no more than 4kg or 50% of weight carried by the user whichever is the lower should be placed in these pockets at any one time.

Trim weights are added or removed to fine tune the users individual buoyancy, it is suggested that bags of lead shot be used although standard weights can be.

A standard quick release weight belt should be used to facilitate positioning of the users main weight requirements.

STORAGE

The Mini-B may be stored fully assembled, making sure that the cylinder valve is turned fully off. It should be stored in a clean and dry environment, where extreme changes of temperature are not experienced.

Ensure that the Mini-B cylinder is stored with positive pressure inside, this will prevent the ingress of moisture, which will cause corrosion.

The cylinder valve should never be removed by anyone other than a qualified diving technician. Attempts to remove the valve while the cylinder is pressurised could result in severe injury or death.

WARNING

The Mini-B system must only be used by certified shallow water scuba divers, certified scuba divers or under direct supervision of a certified shallow water scuba or scuba diving Instructor. Failure to comply with this warning could lead to serious injury or death.

WARNING

This is not a lifejacket. It does not guarantee a head up position of the wearer at the surface

