

Osprey Mk 4 Body Armour



JOINT SUPPORT CHAIN



USER CARE AND
ASSEMBLY INSTRUCTIONS



MINISTRY OF DEFENCE

Osprey Mk 4 Body Armour



Body Armour Cover- Vest Front- x1



Body Armour Cover- Vest Back- x1



OPS Panel & T Bar fittings - x1



Waistbands Set - x1



Cummerbunds, Pair Left & Right - x1



Shoulder Guards, Pair Left & Right with elasticated fittings - x1



Brassards, Pair Left & Right with elasticated fittings - x1



Ancillaries Set - x1



2 Piece Full Collar - x1



2 Piece Half Collar - x1



Blanking Panels, Pair - x1

Accessories & Parts Listing



Front Armour Plate - x1



Back Armour Plate - x1



Pair Small Armour Plates - x1



Front Plate Cover - x1



Back Plate Cover - x1



First Aid Pouch x1



Commanders Pouch x1



Water Bottle Pouch x1



LMG 100 Round Pouch x1



UGL 8 Round Pouch x1



Utility Pouch x1



SA80 2 Mag Ammo Pouch x4



SA80 Single Mag Ammo Pouch x3



SA80 Single Mag Ammo Pouch x3



Sharpshooter 3 Mag Ammo Pouch x1



9mm Pistol Ammo Pouch x2



AP Grenade Pouch x2



Smoke Grenade Pouch x2

NB: A set of Soft Armour is also included but has not been illustrated.

Light Fighting Order



Complete Fighting Order



Assembly

Hard Armour Plates



Front and Back Hard Armour Plates should only be used in the fitted covers provided. These use simple flap & touch & close fastenings.
 NB: Armour plates should be regularly inspected see page 15.

Fitting Hard Armour



▶ Open the inner pocket inside the front face of the vest

◀ Insert the Hard Armour. Ensuring that the front faces away from the body.

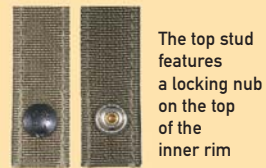
▶ Close the pocket securely.

Armour for both the back and the front of the vest is fitted in the same manner.

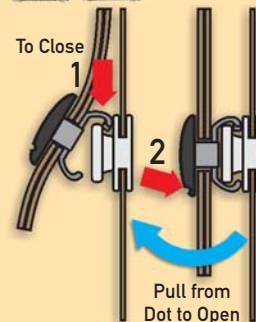
One way Studs

The studs used throughout the items in the Osprey Mk4 Body Armour, use 'One Way Studs' these prevent accidental release of fastenings whilst in use. They require no special equipment or tools to open. Any use of tools could permanently damage the fixings.

The stud is designed to only fasten or release when pushed or pulled in one direction, this direction is indicated by a dot on the stud button.



The top stud features a locking nub on the top of the inner rim



To close the stud the locking nub at the top of the female stud should be looped onto the raised rim of the male. Push the base of the stud and the two units lock.

To Open, simply pull the stud from the base.

Assembly

Using the Small Armour Plate

As an alternative to the larger Hard Armour Plates, the Small Armour Plates may also be fitted into the vest Front & Back.

- ▶ The pocket is located inside the main plate pocket and is fitted in the same way.



Fitting the Soft Armour

This is best fitted after the Hard Armour has been installed.

- ▶ Install the armour into the vest recess, ensuring it lies flat and that the labels face the body.



- ▶ Pull each tab through the shoulder openings.

The top of the shoulder opening features a small pocket, insert the tab into this pocket.



- ▶ Close the small pocket.

The tabs will be held in place by the hook & loop fixings.

Assembly

Assembling the Main Vest Body

- ▶ On a suitable flat area.
Lay out both parts of the Vest as indicated



- ▶ Connect the Front & Back Vest panels together at the shoulders using the Hook & Loop and the two stud fixings.



- ▶ To complete the vest assembly bring the extended sides of the back panel around to fix to the front panel, fasten these at the sides by hook & loop fabric.

The waist band (pre fitted) is adjustable.

Assembly

Fitting the OPS Panel



▲ First Fixing of the OPS Panel is by Hook & Loop

- ▲ The studded loops hold the OPS Panel to the main vest body
- ▲ T Bars & Webbing straps add fixing points to the sides.
- ▲ The Webbing can be adjusted for fitting & comfort.

Installing Hard Armour Plates into the Cummerbunds

- ▶ The Cummerbunds include pockets to hold the small Armour Plates, adding additional protection to the lower torso. Access to the pocket, is by a simple flap sealed by Hook & Loop fastenings.



Assembly

Fitting the Cummerbunds

- ▶ The Mollé bars on the reverse of the Cummerbund should be threaded through the Mollé webbings on the vest. See page 11 for further details on using the Mollé system.

- ▶ The Blanking Panels are used to prevent the hook & loop fixing during the assembly process.

- ▶ The Cummerbunds can be adjusted using the front straps.



Fitting the Collars

A choice of collars may be fitted. The full collar or the Half Collar.

Both Collars are supplied as a two piece unit and fit similarly.



▶ Full Collar



▶ Half Collar



1

- ▶ Join the two collar sections, and fit the collar to the Vest Collar Flaps using the Hook & Loop fixings and complete by closing the three studs on each side.



- ▶ At the back of the collar, pull the webbing strap through the central top loop on the Vest Mollé Webbing



2

- ▶ Close the stud on the webbing strap to complete fitting.



3

- ▶ The front of the collar is adjustable for comfort.

Assembly

Fitting the Brassards & Shoulder Guards

The Brassards & Shoulder Guards offer integrated protection for the upper arm and shoulder. Properly fitted they will not impede movement & flexibility.

- ▶ To fix the Brassard to the Vest, Open the main shoulder fixing and attached the top tab to the exposed vest using the Hook & Loop fixings. Reattach the shoulder fixing.



- ▶ The Brassards are additionally fixed to the vest by two short elasticated studded straps. The first attaches to the top front shoulder, as seen above.
- ▶ The second is attached 'through' the shoulder fixing to its fixing point on the back, see the photograph right.



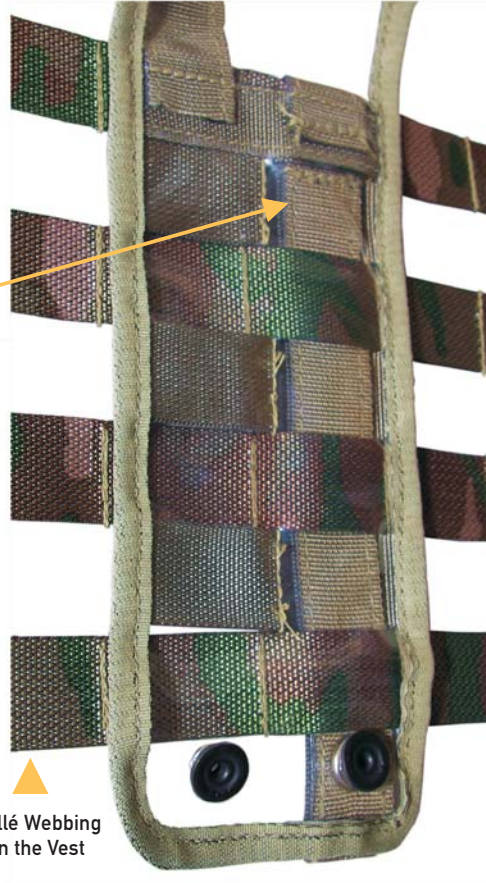
- ▶ The Shoulder Guards attach to the vest body using hook and loop fixings & 3 studs. Additional stability & flexibility is provided by attaching the studded elasticated strap to the Brassard.



Using the Mollé fixing system

The pouches and accessories provided for the Osprey Mk4, make use of the 'Mollé' fixing system. Properly fitted, this provides an extremely strong bond between the pouch or other accessory and the Vest itself.

The Rigid Mollé Bar of the Pouch, should be 'woven' through each of the horizontal webbings in turn.



Pouches and Accessories carry horizontal Mollé webbings and a rigid Mollé bar. The base of each bar features a one way stud to lock the bar to the body of the pouch.

Fitting the Ancillary items

Drop Sling Attachment

- ▼ The Drop sling is secured to the rear of the vest, using a T Bar fed into a rear Mollé

Firstly detach the T Bar and D ring from the sling assembly and feed this through the Mollé webbing.

Reattach the sling ready for use.



Hydration Unit Fixings.

Fixings are provided to meet the requirements of most Hydration units. These can be positioned onto the Vest using the integral Mollé webbings.



- ▲ 2 x Side release buckles mounted on a T Bar provide attachments for the top of the hydration unit.



- ▲ An additional T Bar with 2 x Side release buckles with adjustable webbing straps provide attachments for the base of the hydration unit.

Further support is provided by 6 x short studded webbing fixings.



Rank Strap

- ▶ The Rank strap can be fitted onto the front of the vest. It should be threaded through three Mollé webbings.



Hard Armour Plate Inspection

These checks should be undertaken at regular intervals to ensure that the plates still provide full protection.



Front Plate



Back Plate



- 1 Carefully remove the Armour Plate from the cover.
- 2 Run your hand over the front of the Plate feeling for debris and/or damage.

- 3 Visually check the outer green fabric for rips and tears.

- 4 Visually check the faces of the Plate for cracks or damage.

Cracks will be highlighted by a definite white line.

Impacts will be visible as a white indentation and radiating fractures. See the illustration opposite.

- 5 Damaged or Cracked Plates **MUST** be replaced.

- 6 Minor blemishes or air pockets do not pose any risk.

Soft Armour Maintenance

Inspection for panels and covers should follow the same guidelines as during laundering.

It is essential that the following regular maintenance is conducted:

- As a minimum period. The body armour is to be inspected annually by the QM Department.
- The body armour should be inspected for signs of damage to armour panels and protective covers.
- Armour panels should also be inspected at the earliest convenient time if the armour has had any physical contact with objects likely to cause damage.
- The outer cover is to be cleaned in a washing machine, in accordance with the manufacturers instructions.
- Fillers are to be removed prior to laundering.

Cleaning

THE COVER AND FILLER MUST BE SEPARATED IN ACCORDANCE WITH THE FITTING INSTRUCTIONS BEFORE CLEANING

Cover The cover is washed in accordance with the manufacturers instructions.

Filler To clean the filler, wipe the surface of the protective cover using a damp cloth.

DO NOT IMMERSE IN WATER

Dry thoroughly before inserting back into the cover.

NATO Stock Numbers (NSNs)

Cover Osprey Body
Armour Mk4
Size 170/100
8470-99-925-0872

Cover Osprey Body
Armour Mk4
Size 170/112
8470-99-925-0873

Cover Osprey Body
Armour Mk4
Size 180/104
8470-99-925-0874

Cover Osprey Body
Armour Mk4
Size 180/116
8470-99-925-0875

Cover Osprey Body
Armour Mk4
Size 190/108
8470-99-925-0876

Cover Osprey Body
Armour Mk4
Size 190/120
8470-99-925-0877

Cover Osprey Body
Armour Mk4
Size 200/116
8470-99-925-0878

Cover Osprey Body
Armour Mk4
Size 200/124
8470-99-925-0879



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Personal Combat Equipment
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Spur 6
Beckford Block
Ensleigh
Bath
BA1 5AB**



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**CQC Limited, Barnstaple Devon.
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