



## ADAPTIVE VEST SYSTEM™

OPERATOR'S MANUAL



# CONTENTS

## EQUIPMENT INFORMATION

### 01 SYSTEM COMPONENTS

## OPERATOR INSTRUCTIONS

- 05 INSERTING BALLISTIC PROTECTION INTO PLATEBAGS
- 06 3-BAND SKELETAL™ CUMMERBUND ATTACHMENT (RELEASABLE)
- 07 3-BAND SKELETAL™ CUMMERBUND ATTACHMENT (NON-RELEASABLE)
- 08 SINGLE SIDE STRAP ATTACHMENT (RELEASABLE/NON-RELEASABLE)
- 09 PLATE CARRIER CONFIGURATION
- 11 ATTACHING REAR PLATEBAG TO HARNESS
- 13 DONNING THE AVS™
- 15 EMERGENCY DOFFING THE AVS™

## ACCESSORY INSTALLATION

- 19 SIDE MOLLE EXTENSION PANELS
- 20 MBITR POUCH
- 21 FRONT PANEL (MOLLE OR MAG POUCH)
- 22 6×6" BALLISTIC POUCH
- 23 6×9" BALLISTIC POUCH
- 25 EXAMPLES OF COMPLETED AVS™ CONFIGURATIONS



## EQUIPMENT INFORMATION

## SYSTEM COMPONENTS

Vest shown disassembled to depict separate components. Not shown to scale.



HARNESS



FRONT + REAR MBAV PLATEBAGS



FRONT + REAR STANDARD PLATEBAGS



3-BAND SKELETAL™ CUMMERBUND



2-BAND SKELETAL™ CUMMERBUND



SINGLE SIDE STRAPS



6x6" BALLISTIC POUCH



6x9" BALLISTIC POUCH



MBITR POUCH



FRONT MOLLE PANEL



FRONT MAG PANEL



SIDE MOLLE EXTENSION PANELS



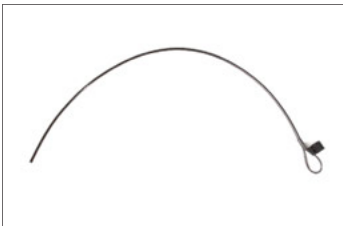
StKSS™



PLATE CARRIER SHOULDER PADS



SHOULDER COVERS



EMERGENCY DOFFING CABLE





## OPERATOR INSTRUCTIONS

## INSERTING BALLISTIC PROTECTION INTO PLATEBAGS

Two styles of platebags are available for use with the AVS™ harness system: MBAV platebag set and standard platebag set. Follow instructions below for inserting armor in the platebag set you are using with the AVS™ system.



**1 MBAV PLATEBAG INSTALL:** Open platebag to reveal armor pouch and insert armor plate in stretch pocket closest to outside of carrier.



**2** Insert soft armor panel in platebag under stretch material and armor plate. Ensure proper side is facing body (refer to labeling). Close platebag.



**1 STANDARD PLATEBAG INSTALL:** Open platebag to reveal armor pouch and insert armor plate in stretch pocket closest to outside of carrier.



**2** Insert soft armor panel in platebag under armor plate. Ensure proper side is facing body (refer to labeling). Close platebag.

### 3-BAND SKELETAL™ CUMMERBUND ATTACHMENT (RELEASABLE)



**1** Remove tri-glide buckles on each row of cummerbund webbing.



**2** Push ends of cummerbund webbing through metal loops on harness to desired location for best fit.

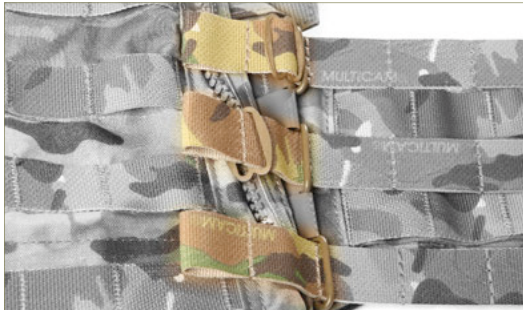


**3** Push and route release cable in between cummerbund webbing rows and continue to route cable under middle fabric piece and through next webbing slot.



**4** Route cable out last webbing slot and stow remainder in fabric tunnel at bottom of harness behind platebag. Excess webbing from cummerbund can be tucked under rear platebag.

### 3-BAND SKELETAL™ CUMMERBUND ATTACHMENT (NON-RELEASABLE)



**1** Remove cable from cable channel (if previously installed) and route webbing ends of cummerbund through metal loops on harness.

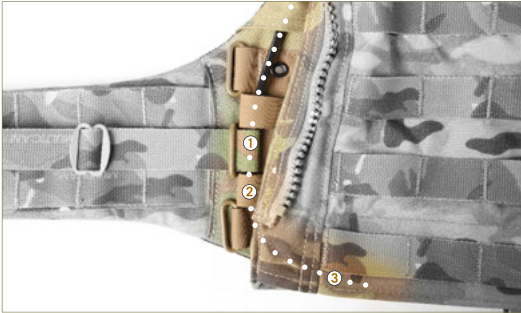


**2** Place tri-glide buckles over end of cummerbund and route back down through adjacent slot on harness. Repeat for other rows.



**3** Route any excess webbing under rear platebag.

## SINGLE SIDE STRAP ATTACHMENT (RELEASABLE)



- 1 Push end of strap through desired ring on side (middle shown).
- 2 Route cable through webbing channel and through strap opening.
- 3 Stow excess cable in fabric tunnel on harness under rear platebag.

## SINGLE SIDE STRAP ATTACHMENT (NON-RELEASABLE)



- 1 Route single side strap through metal loop on harness.
- 2 Return strap and re-route through tri-glide buckle.

## PLATE CARRIER CONFIGURATION (8 STEPS)

The AVS™ can be reconfigured to become a plate carrier consisting of front and rear platebags and the **single side strap** or **2-band cummerbund**.



**1** Remove front and rear platebags from AVS™ harness. Remove plastic buckle from shoulder strap on front platebag.



**2** Align front and rear platebag straps and connect straps. The strap attachments can also be adjusted to determine final ride height.



**3** Install shoulder strap covers.



**4** Repeat for other side. Ensure that cable routing loops face outwards.



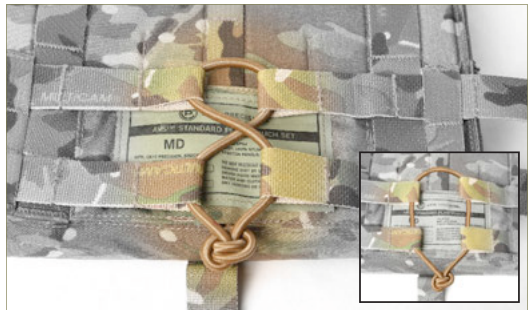
**5** Remove tri-glide buckles from both rows of cummerbund (2-band shown).



**6** Flip rear platebag upwards (label up). Route cummerbund rows through rear vertical webbing slots found on interior of rear platebag near the bottom left and ride sides. Ensure that hook panels on ends of both cummerbunds are facing upwards.



**7** Continue inserting other cummerbund rows. Distance of inserted cummerbund webbing will determine the girth adjustment of the cummerbund when wrapped around the body.

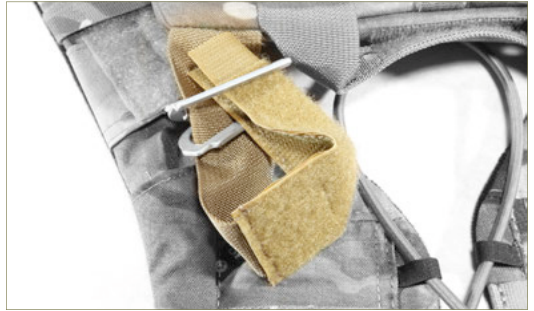


**8** Complete configuration by routing provided elastic cord through the cummerbund in a zig-zag fashion. The cord may be routed through any set of cummerbund rows for different size adjustments. Tie cord in a knot to complete configuration. Alternatively, use the longer elastic cord to create a 'O' loop through the cummerbund for a wider configuration.

## ATTACHING REAR PLATEBAG TO HARNESS



**1** Place rear platebag face down (label up) and route shoulder strap through both buckles.



**2** Split buckle apart and route strap back towards platebag (folding the strap helps to pass through).



**3** Route the strap under webbing slot on the platebag and attach.



**4** Repeat for other side. Note: The ride height of the rear platebag is determined by adjusting the placement of these straps.





A



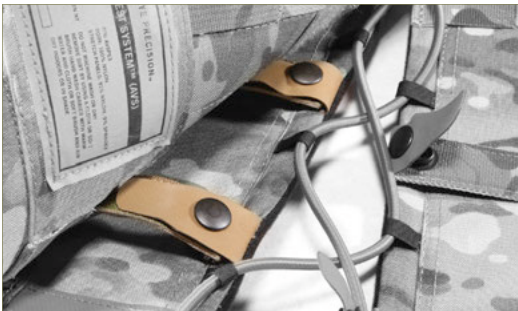
B

**5A** Flip rear platebag over (label down) towards back of harness. Unbutton two attachment tabs (top and bottom) on harness.

**5B** Route top and bottom attachment tabs through the 2<sup>nd</sup> and 5<sup>th</sup> slots (respectively) on platebag.



**6** Detailed picture shows attachment tabs from harness routed through appropriate slots on platebag.



**7** Rebutton attachment tabs to secure.



**8** Repeat for other side to complete installation.

## DONNING THE AVS™ (6 STEPS)



1 Insert right arm through vest. Snap buckle over left front shoulder.



2 Insert right harness arm through right slot on inside of front platebag.

See alternative 2A on opposite page to semi-permanently attach the harness arm to the front platebag.



3 Wrap right single side strap (or 2- or 3-band cummerbund) over right harness arm and attach to outside of front platebag.



4 Repeat for left harness arm.

See alternative 3A on opposite page to don the AVS™ using only the harness arms (and without a cummerbund).



**5** Wrap left single side strap (or 2- or 3-band cummerbund) over left harness arm and attach to outside of front platebag.



**6** Reach behind back to locate two rear elastic cords. Pull down and out on each end to tighten harness to the body.

## DONNING THE AVS™: ALTERNATIVE CONFIGURATIONS



**2A** The left or right harness arms can be semi-permanently attached to the front platebag by running the outer harness strap over the inside slots of the front platebag.



**3A** To don without cummerbund, open the flaps away from the harness arms. Insert arms into slots on inside of front platebag. Complete by running flaps over the front platebag.

## EMERGENCY DOFFING THE AVS™



1 Pull emergency doffing cable.



2 Unbuckle shoulder and open vest away from body.





## ACCESSORY INSTALLATION

## SIDE MOLLE EXTENSION PANELS



**1** Lift outer fabric flap on harness sides and fully detach from harness. Pull flap completely through loop on harness arm.



**2** Place extension into desired position. Replace flap over extension panel and back through loop on harness arm.



**3** Continue wrapping flap around harness side.



**4** Completed installation.



## MBITR POUCH



1 Slide side arms of harness through rear pouch loops.



2 Slide pouch to desired location and press loops into harness.



3 Completed installation.

## FRONT PANEL (MOLLE OR MAG POUCH)

Two front panel options are available for use with the AVS™: MOLLE panel and mag pouch panel. Mag pouch front panel installation shown below.



**1** Flip panel over and place over front of carrier. Route all four attachment straps through webbing slots above slip pocket on front platebags. Pull straps down until top the panel is at top edge of slots.



**2** Open slip pocket on platebag and lay panel attachment straps down flat inside pocket.



**3** Close slip pocket and flip panel over to lay flat on platebag.



**4** Completed installation. Panel can be secured using button tab on bottom edge of platebag.

## 6×6" BALLISTIC POUCH



1 Slide side arms of harness through rear pouch loops.



2 Slide pouch to desired location and press loops into harness.



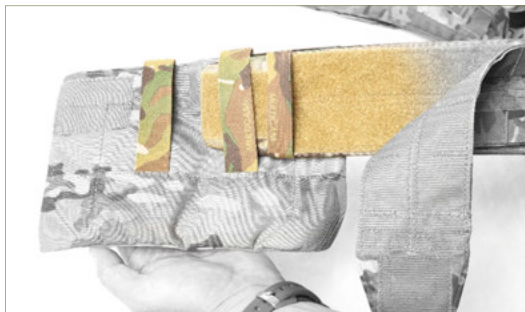
3 To install ballistic protection, turn over cummerbund with pouch installed and open plate pocket. Insert ballistic protection and close pocket.



4 Completed installation.

Note: To don with single side straps, route the strap through the sleeve on the pouch behind the MOLLE panel (as shown).

## 6x9" BALLISTIC POUCH (8 STEPS)



1 Open fabric flap on side of harness. Slide pouch over harness arm.



2 Fold back the sides of pouch and slide to desired position. Release sides and secure pouch to harness arm.



3 Replace fabric flap over pouch.



4 Open pocket to reveal location for plate and soft armor.



5 Insert soft armor panel with correct side facing body.



6 Wrap top of pouch pocket over soft armor panel.



7 Insert 6x6" sideplate into elastic sleeve. Ensure proper side of plate is facing body.



8 Close pouch pocket and complete installation.

## EXAMPLES OF COMPLETED AVS™ CONFIGURATIONS



PLATE CARRIER + SINGLE SIDE STRAPS



PLATE CARRIER + 2-BAND CUMMERBUND



**HARNESS + PLATEBAGS + SINGLE SIDE STRAPS**



**HARNESS + PLATEBAGS + 3-BAND CUMMERBUND  
FRONT MAG FLAP + MBITR POUCH + 6x6" PLATE POUCH**







## ABOUT US

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If a defect in materials or workmanship is found in any of our products, we will repair or replace it, free of charge, for the lifetime of the product. This excludes normal wear and tear. Be aware that the customer is responsible for any and all return shipping charges.

This applies to the original purchaser and is nontransferable.

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