

MMAC-R 2019 & MMAC-R V2 MODULAR MARITIME ARMOR CARRIER RELEASABLE

OPERATOR MANUAL
APRIL 2019



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INTRODUCTION

The MMAC-R 2019 is designed as a product improvement to the legacy MMAC-R 2012. Through the use of innovative design techniques, material solutions and manufacturing processes we are able to provide increased operational capability, along with significant reduction in overall system weight. With a system weight of under 1.5 pounds the system can be tailored to meet multiple mission sets, levels of protection and overall modular needs of the user.

FEATURES

- SWIMMER Cut to support GEN1 through GEN 5 TSA Swimmer Plates
- Laser cut laminate materials increasing overall material performance and weight reduction
- Fully MOLLE compatible with all legacy LCS
- Interchangeable Front Flaps (RFF's) for mission tailorable configurations
- Allows for rapid release and rapid reconfiguration
- Velcro loop for flag, IFF or moral patches
- 4-way stretch material allow secure fit of various soft and hard armor
- Integrated and adjustable side pockets for Rifle magazines, MBITR, 152 and 162 radios
- Integrated Assault cummerbund with side plate and radio retention
- Drag handle
- Zipper back body to accept various attachments
- Adaptable to MSAP (Collar, Throat, Groin, Deltoid) accessories



FRONT BODY FEATURES

- 01** Adjustable Shoulder Straps
- 02** One Wrap Cable management cord wraps
- 03** Push-to-Talk attachment points
- 04** Laser cut MOLLE attachment points
- 05** Shoulder release point
- 06** Loop for patch attachment
- 07** Laser slots for cable management routing
- 08** 4-way stretch panels for multiple armor thickness
- 09** Integrated side/wing pouches
 - Holds rifle mags, MITR and PRC-152
 - Adjustable for desired retention height
 - Bungee retention w/quick stow toggle



BACK BODY FEATURES

- 01** Adjustable Shoulder Straps
- 02** Re-Enforced Drag Handle
- 03** Laser cut MOLLE attachment points
- 04** Laser slots for cable management routing
- 05** Integrated Side Zippers to support attachment accessories (BTAP 2.0, etc)
- 06** Cummerbund routing retention channels
- 07** Plate retention/closure flap
- 08** 4-way stretch panels for multiple armor thickness



ASSAULT CUMMERBUND FEATURES

- 01** Adjustable fitment loops
- 02** Integrated side plate pocket
- 03** Integrated radio/general purpose pouch
- 04** Mesh material for ventilation and rapid drainage
- 05** Cummerbund release point
- 06** Mesh material for ventilation and rapid drainage
- 07** Laser slots for cable management routing



INSTALLATION OF THE ASSAULT CUMMERBUND

Installation of the Assault cummerbund can be done with the ballistic plate inserted but it is easier to perform this step with the ballistic plate removed.

- 01** With the back body laid flat route the bitter ends of the cummerbund through the individual slotted channels under the zipper. Each of the three webbing ends have a specific slotted channel for optimum retention.
- 02** Using the bungee cord provided the cummerbund ends can either be attached together or separately for proper sizing.
- 03** After weaving the bungee cord ensure an overhand knot is used to secure the ends.



INSTALLATION OF REMOVABLE FRONT FLAP

The MMAC-R 2019 uses interchangeable front flaps/panels to allow the vest to be configured for various missions. These front flaps/panels can be quickly installed using the following steps.

- 01** With the front body laid flat weave the attachment straps on the back of the front flap through the appropriate MOLLE slot based on desired height.
- 02** By weaving the attachment tab through the MOLLE slots similar to a standard MOLLE pouch then tuck the bitter end back up behind the bottom slot.
- 03** Close that front flap and secure in place using the Velcro hook and loop.



Laser cut MOLLE Front Flap



Triple M4 Mag Wedge Retention
Front Flap



SHOULDER STRAP ADJUSTMENT & INSTALLATION OF SHOULDER PADS

The MMAC-R 2019 allows for adjustment at the shoulder utilizing hook and loop attachments. Shoulder sleeves provide comfort and comms/hydration routing.



- 01** High plate ride: Attach hook and loop fully so ends are closer together



- 02** Mid plate ride: Attach hook and loop with some gap at the ends of both front and back straps



- 03** Low plate ride: Attach hook and loop with larger gap at the ends of both front and back straps



- 04** Re-attach shoulder sleeve, with routing loops towards the outside of the shoulder, centered on hook and loop attachments for optimum comfort.

INSTALLATION OF BALLISTIC ARMOR PLATE

Installation of the Ballistic armor plate or soft armor should be done with the carrier laid flat. The steps shown will be the same for the front and back plate pockets.



- 01** With the back body laid flat open the bottom plate closure flap to allow for the plate to be inserted.



- 02** The label side of the plate should be inserted so it is against the body and "NOT" facing outward.



- 03** Secure the plate in position with the plate closure flap by mating the hook/loop closure flap in place.

DONNING & DOFFING

When Donning and Doffing the MMAC-R 2019 vest, follow the below steps (reverse steps when Doffing the vest):



01 Place the vest over head centering the front and back of the vest on the body



02 Adjust shoulder straps to ensure proper height adjustment and comfortable fit



03 Secure cummerbund sides to the front of the vest. Refer to cummerbund installation for proper sizing



04 Secure Front flap over cummerbund ensuring release handles are accessible

RELEASING THE VEST

In the event the vest needs to be released follow the following steps. Each shoulder and cummerbund side can be released* separately or together allowing to release fully or only one side.

* For Left side release: release the left side cummerbund then left side shoulder.

* For Right side release, release the right side cummerbund then right side shoulder.

* For Full system release, release both cummerbunds then both shoulders.

Important Note: If the procedures listed above are not followed the user risks the vest not releasing properly.

CUMMERBUND RELEASE

01 Grab the handles at the end of the cummerbund on each side of the vest.

02 Pull away from the vest allowing each side to clear from the front of the vest.



SHOULDER RELEASE

01 Grab the handles at the end of each shoulder strap on each side of the vest.

02 Pull in a downward motion allowing for the shoulders to detach and separate from the back of the vest.



TRIPLE M4 MAG WEDGE RETENTION FRONT FLAP



6X6 SIDE PLATE POUCH



MK 48 POUCH



HYBRID CUMMERNUND



MULTI PURPOSE RFF



SIDE PLATE POCKET AND M4/RADIO POUCH ATTACHMENT



- 01 MOLLE weave straps of pouch through PALS attachment points on backside of hybrid cummerbund



- 02 Weave through last loop and tuck back upward through PALS attachment point pouch

ACCESSORIES/REPAIR KIT

- Upper and Lower Pack adapters
- Bungee with toggle and retention tabs
- Cummerbund bungee



CARE AND HANDLING

DO NOT machine wash or dry the vest or any components

DO NOT use and bleach or abrasive cleaning products

Remove any dirt using a soft brush or cloth

Fresh water rinse or hand wash using warm water

Hang to dry

WARRANTY

Eagle Industries provides a lifetime warranty based on the quality of our material, manufacturing and designs. Based on the defect we will either repair or replace the item at no charge to the customer. This excludes normal wear and tear or acts of use not associated with the standard use of the products. All returns must be done through the original purchaser of the item. Shipping and handling would be the responsibility of the purchaser and an RMA (Return Merchandise Authorization) would need to be requested through Eagle customer service).

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