

FEDERAL EPIC® OUTER CARRIER



TRAINING GUIDE

CARE & MAINTENANCE



FEDERAL EPIC® ASSAULT CARRIER

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FEDERAL EPIC® OUTER CARRIER MALE CARRIER SPEC



ENHANCED DESIGN FEATURES:

QUICK RELEASE

- Tactic buckle system provides a quick connect for users to don & doff the plate carrier utilizing one hand in less than two seconds

BREATHABILITY & MOISTURE PROTECTION

- Antimicrobial/FR treated padded spacer mesh system
- Armored, slotted poly mesh base cummerbund for increased ventilation

SCALABLE SYSTEM

- Compatible with our complete line of armored accessories
- QASM buckle system
- 6" x 6" side armor pockets
- Zippers for Assaulter's Zip-On Back Panels
- Flush admin chest pocket with internal elastic keepers
- MOLLE Assaulter's Zip-On Back Panel

PATENTED INTEGRATED BALLISTIC FRAMEWORK

- Increases structural integrity & reduces back face deformation

ELONGATED MATERIAL LIFE & ABRASION RESISTANCE

- Engineered utilizing patented PV® material



PLATE POCKET STYLE

- Internal plate pocket retention straps accommodate several different plate styles & thicknesses

ADDITIONAL FEATURES

- Rubberized Hypalon® buttstock retention
- Inner cummerbund
- MOLLE front flap
- Repair buckle kit
- THOR shoulders
- Patented Ballistic Vein®
- Hydration/Communication tabs for routing
- Reinforced drag handle
- One side mag insert adapter
- One cell phone pocket adapter

NIJ 0101.06 Certified Level IIIA
TYR-M-EPIC-FED-TXP3A

NIJ 0101.06 Certified Level II
TYR-M-EPIC-FED-NFA2/10

NIJ 0101.06 Certified Level IIIA
TYR-M-EPIC-FED-NFA3/10

FEDERAL EPIC® OUTER CARRIER FEMALE CARRIER SPEC



ENHANCED DESIGN FEATURES:

QUICK RELEASE

- Tactic buckle system provides a quick connect for users to don & doff the plate carrier utilizing one hand in less than two seconds

BREATHABILITY & MOISTURE PROTECTION

- Antimicrobial/FR treated padded spacer mesh system
- Armored, slotted poly mesh base cummerbund for increased ventilation

SCALABLE SYSTEM

- Compatible with our complete line of armored accessories
- QASM buckle system
- 6" x 6" side armor pockets
- Zippers for Assaulter's Zip-On Back Panels
- Flush admin chest pocket with internal elastic keepers
- MOLLE Assaulter's Zip-On Back Panel

PATENTED INTEGRATED BALLISTIC FRAMEWORK

- Increases structural integrity & reduces back face deformation

ELONGATED MATERIAL LIFE & ABRASION RESISTANCE

- Engineered utilizing patented PV® material



PLATE POCKET STYLE

- Internal plate pocket retention straps accommodate several different plate styles & thicknesses

ADDITIONAL FEATURES

- Patented female shape
- Rubberized Hypalon® buttstock retention
- Inner cummerbund
- MOLLE front flap
- Repair buckle kit
- THOR shoulders
- Patented Ballistic Vein®
- Hydration/Communication tabs for routing
- Reinforced drag handle
- One side mag insert adapter
- One cell phone pocket adapter

NIJ 0101.06 Certified Level IIIA
TYR-F-EPIC-FED-TXP3A

NIJ 0101.06 Certified Level II
TYR-F-EPIC-FED-NFA2/10F

NIJ 0101.06 Certified Level IIIA
TYR-F-EPIC-FED-NFA3/10F

FEDERAL EPIC[®]

OUTER CARRIER

FEATURES



ONLY AT TYR TACTICAL[®] PATENTED INTEGRATED BALLISTIC FRAMEWORK

- Increases Ballistic Protection
- Reduces Back Face Deformation
- Provides Moisture Protection
- Improves Structural Integrity
- Increases End-User Ergonomics
- Enhances Performance
- Elongates Material Life
- Exceedingly Improves Abrasion Resistance



NAME	FUNCTION
SPACER MESH	The body facing material of our plate carriers utilize advanced antimicrobial spacer mesh which is IR/FR treated.
PATENTED BALLISTIC VEIN [®]	The patented Ballistic Vein [®] increases load carriage performance, provides a rigid platform, reduces fatigue, stabilizes and enhances soft armor inserts.
SOFT ARMOR	Helps absorb the impact from firearm projectiles and fragmentations.
HARD PLATE	Provides additional protection from rifle rounds.
PATENTED PV [®]	Increases ballistic capability of the nylon carrier, provides structure, improves both abrasion and fire resistance.

FEDERAL EPIC® OUTER CARRIER OPTION ACCESSORIES



SOFT ARMOR OPTIONS:

NFA2/10

NIJ 0101.06 Certified Level II

NFA3/10

NIJ 0101.06 Certified Level IIIA

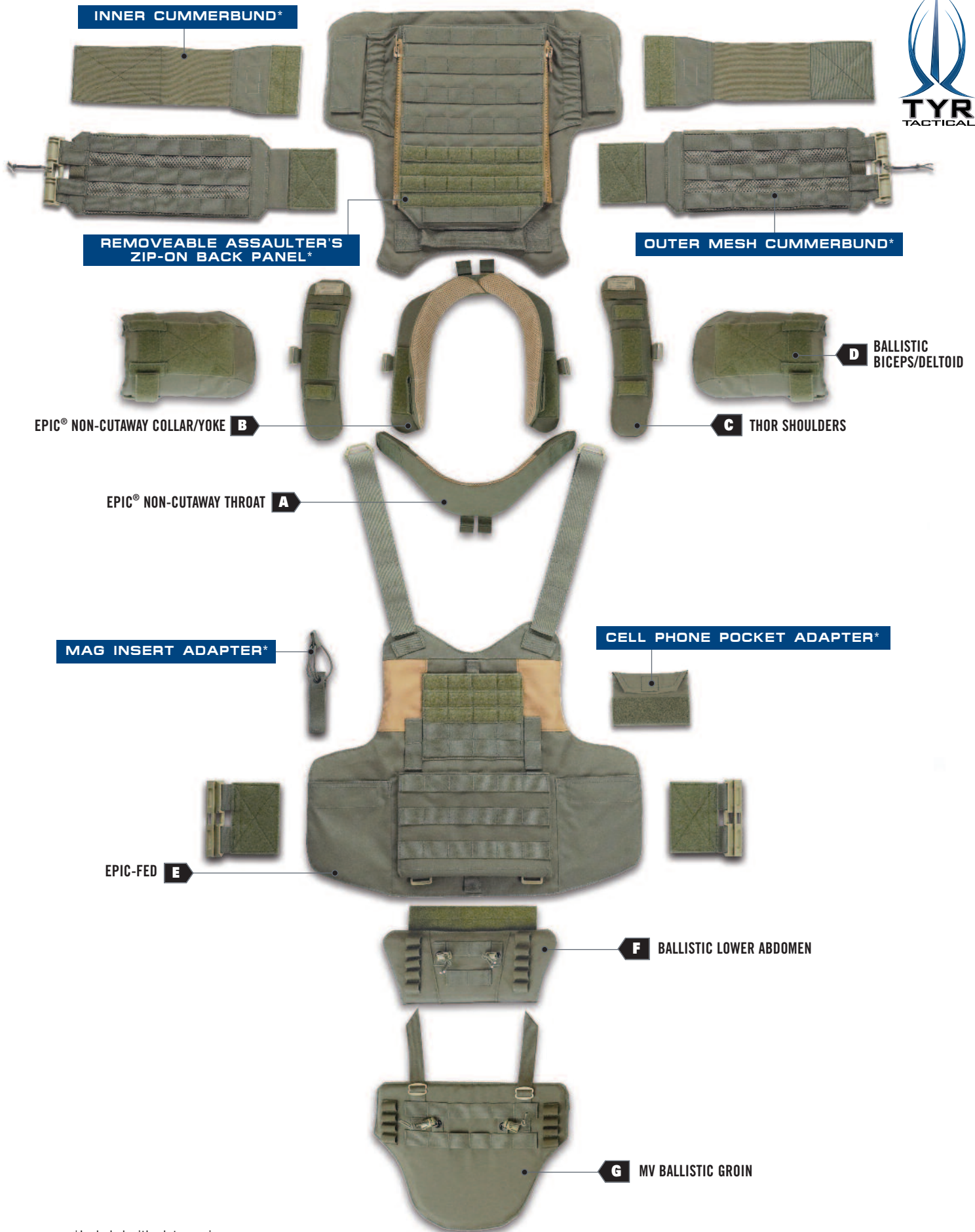
TXP3A

NIJ 0101.06 Certified Level IIIA

MAKE IT A KIT



FIGURE	DESCRIPTION	ITEM#
A	EPIC® BALLISTIC NON-CUTAWAY THROAT	TYR-M-ETHR
B	EPIC® BALLISTIC NON-CUTAWAY COLLAR/YOKE	TYR-M-ECLRYK
C	THOR SHOULDERS	TYR-LW107-THOR
D	BALLISTIC BICEPS/DELTOID	TYR-MST115
E	EPIC-FED ASSAULTER'S PLATE CARRIER	TYR-M-EPIC-FED
F	BALLISTIC LOWER ABDOMEN	TYR-LW109MV
G	MV BALLISTIC GROIN	TYR-LW110MV



*Included with plate carrier

AVAILABLE IN MALE & FEMALE VERSIONS

FEDERAL EPIC® OUTER CARRIER

MALE CARRIER SIZE RELATES TO THE PLATE SIZE & OPERATORS CHEST WIDTH:

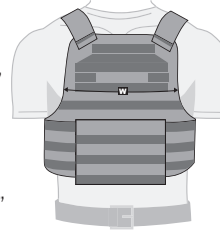
Small:
Chest Width: 33" - 37"
Fits Plate Sizes:
8.5" x 11.5" - 9.3" x 12.3"

Medium:
Chest Width: 37" - 41"
Fits Plate Sizes:
8.5" x 11.5" - 9.3" x 12.3"

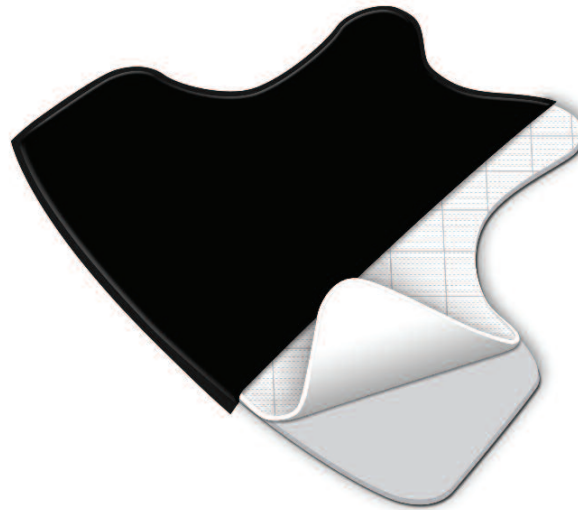
Large:
Chest Width: 41" - 45"
Fits Plate Sizes:
10" x 13" - 10.9" x 13.8"

XLarge:
Chest Width: 45" - 49"
Fits Plate Sizes:
10" x 13" - 10.9" x 13.8"

2XLarge:
Chest Width: 49" - 53"
Fits Plate Sizes:
10" x 13" - 10.9" x 13.8"



TYR TACTICAL® SOFT ARMOR SPECIFICATIONS



SOFT ARMOR PACKAGES	X418	NFA2/10*	NFA3/10*	TXP3A
THICKNESS	.23"	.21"	.24"	.21"
WEIGHT/ AREAL DENSITY	.78 lbs psf	.82 lbs psf	1.09 lbs psf	1.23 lbs psf
TESTING STANDARD	NIJ 0101.06 USMC Testing Standards	NIJ 0101.06 FBI Testing Standards	NIJ 0101.06 FBI Testing Standards	NIJ 0101.06
PROTECTION LEVEL	Level II USMC Testing Requirements	Certified Level II FBI & DEA Requirements USSOCOM Fragmentation Requirements	Certified Level IIIA FBI & DEA Requirements	Certified Level IIIA
V ⁵⁰	9mm / 1999 fps .357 Mag / 1852	9mm / 1686 fps .357 Mag / 1741 fps	.357 Sig / 1865 fps .44 Mag / 1690 fps	.357 Sig / 1923 fps .44 Mag / 1647 fps
BACK-FACE DEFORMATION	9mm / 33.7mm .357 Mag / 40.5mm	9mm / 33.8mm .357 Mag / 36.6mm	.357 Sig / 30.3mm .44 Mag / 35.4mm	.357 Sig / 28.3mm .44 Mag / 34.5mm
IDEAL USE	Tactical/ Military	Concealable/ Tactical	Tactical	Tactical

*Available in Gender Neutral and Female Version

FEDERAL EPIC® OUTER CARRIER TORSO ARMOR INSTALL



SOFT ARMOR PANELS

MALE ARMOR



FRONT



BACK

FEMALE ARMOR



FRONT



BACK



FIGURE A



FIGURE B



FIGURE C



FIGURE D



FIGURE E

OPEN VELCRO® ARMOR POCKET (FIGURE A). INSERT SOFT ARMOR PANEL BY FOLDING THE WINGS TOWARDS THE LABEL. ENSURE LABEL IS FACING THE BODY SIDE (FIGURE B). INSERT BALLISTIC VEIN ON TOP OF THE ARMOR PANEL (FIGURE C-D). INSTALL COMPLETE (FIGURE E).

FEDERAL EPIC® OUTER CARRIER

CUMMERBUND & THOR ARMOR INSTALL

**SOFT ARMOR
PANEL**

**CUMMERBUND
ARMOR SLEEVE**



FIGURE A



FIGURE B



FIGURE C

SOFT ARMOR PANELS ARE INSTALLED IN THE CUMMERBUND SLEEVE (FIGURE A). OPEN THE HOOK AND LOOP CLOSURE (FIGURE B). INSERT ARMOR PANEL AND ENSURE LABEL IS FACING THE BODY (FIGURE C).

ITEM SOLD SEPARATELY

**SOFT ARMOR
PANEL**



**THOR
SHOULDERS**



FIGURE D



FIGURE E

SOFT ARMOR PANELS ARE INSTALLED IN THE THOR SLEEVE. OPEN THE HOOK AND LOOP CLOSURE (FIGURE D). INSERT ARMOR PANEL AND ENSURE LABEL IS FACING THE BODY (FIGURE E).

ITEM SOLD SEPARATELY

FEDERAL EPIC® OUTER CARRIER

CUMMERBUND HARD ARMOR INSTALL

ARMOR PLATE

HOOD

ARMOR PLATE

CUMMERBUND
OUTER ARMOR
SLEEVE



FIGURE A



FIGURE B



FIGURE C

HARD ARMOR PLATES ARE INSTALLED IN THE OUTER CUMMERBUND SLEEVE. OPEN THE HOOK AND LOOP CLOSURE (FIGURE A). INSTALL THE ARMOR PLATE HOOD ON TOP OF THE PLATE (FIGURE B). SECURE PLATE IN PLACE TO DESIRED LOCATION (FIGURE C).

PLATES & ARMOR PLATE HOOD SOLD SEPARATELY

FEDERAL EPIC[®]

OUTER CARRIER

INNER & OUTER CUMMERBUND INSTALL



**INNER
CUMMERBUND**



**OUTER
CUMMERBUND**



FIGURE A



FIGURE B



FIGURE C



FIGURE D



FIGURE E



FIGURE F



FIGURE G



FIGURE H

THE INNER CUMMERBUND ATTACHED TO THE ALLIGATOR VELCRO[®] LOCATION (FIGURE A-C). THE OUTER CUMMERBUND ATTACHES THROUGH THE ELASTIC CHANNELS LOCATED ON THE BACK OF THE CARRIER (FIGURE D-E). THE OUTER CUMMERBUND SECURES TO THE FRONT OF THE CARRIER UNDER THE MOLLE FRONT FLAP (FIGURE F-H).

FEDERAL EPIC® OUTER CARRIER SHOULDER STRAP INSTALL



FIGURE A



FIGURE B



FIGURE C



FIGURE D



FIGURE E



FIGURE F



FIGURE G

UNZIP AND LIFT UP THE ZIP-ON BACK PANEL (FIGURE A). SECURE SHOULDER STRAP (FIGURE B-F). REATTACH ZIP-ON BACK PANEL (FIGURE G).

FEDERAL EPIC[®]
OUTER CARRIER
THOR SHOULDER INSTALL



FIGURE A



FIGURE B



FIGURE C



FIGURE D



FIGURE E



FIGURE F



FIGURE G

THE THOR SHOULDERS ATTACH TO THE CARRIER'S SHOULDER STRAPS (FIGURE A). WEAVE THE SHOULDER STRAPS THROUGH THE THORS (FIGURE B-F). INSTALL COMPLETE (FIGURE G).

ITEM SOLD SEPARATELY

FEDERAL EPIC[®]
OUTER CARRIER
SIDE WING ADAPTER INSTALL



**ZIPPER
POCKET
ADAPTER**



**SIDE MAG
INSERT
ADAPTERS**



FIGURE A



FIGURE B



FIGURE C



FIGURE D



FIGURE E



FIGURE F

THE ZIPPER POCKET ADAPTER (FIGURE A-C) AND SIDE MAG INSERT ADAPTERS (FIGURE D-F)
ATTACH VIA HOOK AND LOOP INSIDE THE OF CARRIER WINGS.

FEDERAL EPIC® OUTER CARRIER

CARE & MAINTENANCE



BALLISTIC PANELS

Removable ballistic panels should be cleaned in the following method:

- Do not immerse in liquid
- Gently wipe-down ballistic panels with a damp sponge or wash cloth using mild detergent. Remove any excess detergent with a damp sponge or wash cloth using clean water.
- Allow to thoroughly air dry before inserting panels into carrier.
- Do not dry clean, machine wash or bleach
- Do not dry outdoors in the sun



FEDERAL EPIC® CARRIER SYSTEM

The nylon carrier is treated with chemicals to reduce your IR signature. Therefore you should never use a phosphorus based detergent to clean your vest, doing so will breakdown its IR treatment causing it to glow under IR light.

- Remove ballistic panels from the front and back of the carrier.
- Brush off as much surface dust as possible.
- Scrub set-in stains with a nylon brush using a mild non-phosphorus detergent such as Dawn dish soap.
- Air-dry indoors at room temperature.

Additional Instructions:

- Do Not Bleach
- Carrier Must Be Completely Dry Before Inserting The Ballistic Panels





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