



TYPE I TYPE III MEDIUM DUTY

AEVE



REV GROUP

AEV is proud to have the broadest line of ambulances in the industry. Our modular ambulance product line runs the entire spectrum; we are among the largest producers of modular ambulances nationwide. Included in this offer is our exclusive X-Series model.

AEV X-SERIES PACKAGE



EXTERIOR STANDARD FEATURES

- Full Crash Tested Aluminum Body Structure *(all units)*
- Seamless Door Jambs and Doors *(all units)*
- Fully Replaceable Door Gasket System with Ventilation Release Holes for Compression *(all units)*
- 96" Wide Body Width *(X-Series)*
- All Doors have 2-point latching system where applicable
- Rear Bumper, Flip up Recessed with Recessed Tag Holder
- NFPA Knurled Diamond Plate Stepping Surfaces *(X-Series)*
- Lighted Skirt-rails for Warning and Ground Lighting *(X-Series)*
- Electric Blackout Modular Body Windows *(X-Series)*
- Power Locks on Module Doors with Keyless Push Button Pad
- MIA Street-side upper forward compartment for electrical components
- Door open low profile warning light package for on scene safety
- Custom cab running boards
- LED Compartment Lighting

INTERIOR STANDARD FEATURES

- Aluminum Composite Cabinetry *(Wood Available)*
- Powder Coated Antimicrobial Cabinet Interiors
- Aluminum Composite Patient Area Ceiling Panels *(all units)*
- Composite Sub-floor material under floor covering
- Fully insulated under sub-floor with XPS extruded polystyrene for sound deadening and enhanced temperature control without increasing loading height
- Sound Deadening interior prior to wall and ceiling insulation
- Custom LXI Multiplexed Electrical System with Proprietary Switch Panel
- Day Bright Illuminated Cabinet Interiors
- Solid Surface Counter-top Surfaces
- Fully Populated Ceiling Mounted Light Rail System
- Electrical Access, hinged within M2 compartment
- ACC, 12vdc HVAC System mounted over walk-thru area, with ceiling ducting
- Dual Recessed Grab-rails in ceiling
- EVS 1900 Attendant Seat
- True R-12 Insulation in 2" thick Walls



FORD F550 TYPE I

CHASSIS

The chassis is the fundamental platform for every AEV unit. AEV continuously maintains a multi-million dollar chassis inventory to make sure we have the chassis you want when you need it. A variety of light duty chassis models for Type I and Type III vehicles of all styles are maintained in stock at our plant, ready for immediate production.

CONSTRUCTION

Crash Tested all-aluminum modular body is built to meet the demands of an emergency environment. AEV modular bodies are warrantied for 20-years.

STRENGTH

Frame has a minimum of 45,000 psi shear strength and our body skins have a minimum of 32,000 psi shear strength.

DOORS

AEV door construction is much stronger due to our heavy-duty extruded door frame rather than simply bending aluminum sheeting to form doors.

CABINET CONSTRUCTION

AEV interiors are constructed of 7-ply 1/2" and 3/4" hardwood plywoods. The laminated plywood is glued, screwed and stapled together into cabinet sections before installation into the ambulance. All exposed areas are sealed and covered with high impact laminate. Cabinets are designed in such a manner that they run full height for maximum size and to reduce interior Noise.

Note: Aluminum Interior available on some models.

INSULATION

AEV standard insulation is a thermal reflective material with a rating of R14. This material is located in the roof, walls, doors, compartments, and floor. The insulation provides a complete thermal and acoustical barrier throughout the modular body.

HEATER AND AIR CONDITIONING SYSTEM

AEV HVAC systems are high efficiency, high capacity units that provided 32,000 BTU's of heating and cooling. The fan is rated at 650 cfm.

ELECTRICAL SYSTEM

AEV's standard electrical system includes self-diagnosing individual printed circuit boards for each circuit and carries a 7-Year or 70,000-Mile parts and labor warranty. Our system has less than 30% of the connections typically used in a conventional printed circuit system & meets IPC Class3 guidelines. All wiring inside and out is run through 300 degree rated looms. Multiplex options are available.

SWITCH CONSOLES

Our electrical system utilizes double pole single throw switches set into an LED illuminated panel. All functions are within easy reach of the driver or medic. The rear switch console is located at the rear action area along with oxygen, suction, 125 VAC & 12 VDC outlets. Other location options available.



FORD TYPE III

MODULAR BODIES

AEV delivers each TraumaHawk body with design and structural enhancements that provide superior strength and durability, while insuring the body is suitable and effective for your operational requirements. The AEV body is crash tested and certified to the highest structural integrity level in the industry.

QUALITY CONTROL

Every AEV ambulance goes through a rigorous multi-stage quality control process. Ambulances are inspected to customer order and AEV's construction control requirements. Each ambulance requires multiple inspections and designated testing, including weight and balance, oxygen systems, electrical load ratings, electrical Hi Pot testing, and full functions testing. Ambulances are tested for oxygen leaks and electrical draw. Ambulances are aligned and then test driven on various surfaces to check the handling, squeaks & rattles.

WARRANTIES

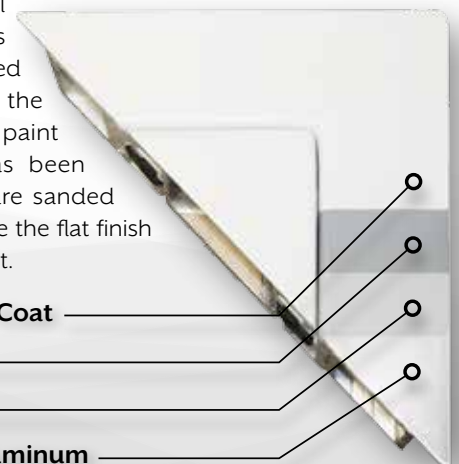
- 20 years on all-aluminum, fully-welded, modular bodies
- 7 years/70,000 miles on conversion and electrical system
- 7 years/70,000 miles on paint
- All warranties are non-prorated

AEV has grown to become the largest brand of ambulances by building the highest quality ambulances available. AEV ambulances are built to exacting specifications so we meet the customers need for emergency response and patient transports.

PAINT SYSTEM

AEV utilizes the latest technology in metal coatings. The initial step requires an Epoxy Primer, applied to the box using an electrostatic gun. This process is applied after the doors have been removed in order to target the hinge mount locations on the box and doors. The electrostatic process draws the material around the edges and bottom of the unit. The units are then processed through the body work area and surfacer is applied. The units are sanded to remove orange peel and small blemishes. Each unit is degreased and tacked as they proceed to the paint booth. After paint and clear coat has been applied, the units are sanded and buffed to assure the flat finish our customers expect.

- Paint and Clear Coat
- Surfacer
- Epoxy Primer
- Acid-Etched Aluminum





KENWORTH MEDIUM DUTY

HIGH STANDARDS AND QUALITY

AEV's commitment to deliver products of the highest quality is unparalleled in our industry. Our high standards include outstanding reliability, innovative engineering, superb styling and comfort, superior structural integrity and pace-setting warranty. Our international network of experienced AEV dealers are standing by to introduce the TraumaHawk emergency vehicle that's right for you.

CRITICAL CARE TRANSPORT

SPECIALIZED TRANSPORTATION NEEDS

There is no question that specialized transportation requires specialized vehicles. Today's business of MICU, CCT and Neonatal transport creates dynamic and specific needs that can only be satisfied by highly engineered vehicles produced with intense attention to detail. AEV has developed a reputation as an industry leader in building these units for hospitals, aeromedical flight operations and private sector providers.

FAR MORE THAN A BASIC AMBULANCE

While the special purpose transport vehicle is far more than a basic ambulance enhanced with special features, the fundamental components of the ambulance become even more important in this application.

Critical Care Transport units have the critical items needed in the demanding business of special transport vehicles. Nothing can be left to chance and AEV has the qualifications and ability to get the job done right.

- Outstanding Structural Integrity
- Highly Engineered Electrical Systems
- 32,000 BTU, 650 cfm HVAC
- O2/Medical Air/Suction Systems
- Ergonomic Cabinetry

AEV has developed a reputation as an industry leader in building these units for hospitals, aeromedical flight operations and private sector providers.

AEV's commitment to deliver products of the highest quality is unparalleled in our industry.

EXCEEDING INDUSTRY STANDARDS



SKILLED CRAFTSMEN

are the main component of integrating world class fit and finish into the AEV cabinetry and assemblies.



HIGH QUALITY FINISH

Our paint and priming process uses an electrostatic sure wrap system to enhance coverage and application.



CERTIFIED WELDERS

ensure rigid design and structural integrity standards are met on all bodies.



MASTER ELECTRICIANS

produce dependable and serviceable electrical systems with your choice of printed circuit or multiplexed board configurations.



SPECIALIZED MANUFACTURING

State of the art techniques, including rigid process control and aggressive quality control procedures have earned AEV Ford's Qualified Vehicle Modifier (QVM) status



CUSTOM INTERIORS

Custom interior configurations can safely accommodate transporters, multiple stretchers, special teams and equipment.



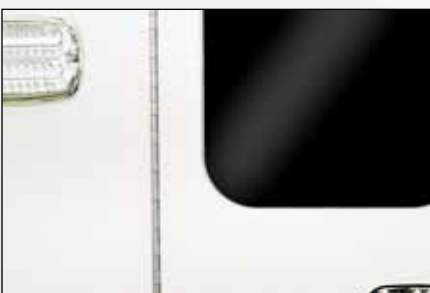
OVERFLOW™ HVAC & AIR

Heat and AC units include air intake on the floor, ceiling duct work and adjustable air vents to improve circulation, cooling and heating time. Continuous Air Recycling Exchange (CARE) for the patient and provider with a multi-stage filtration system and optional HEPA filter.



ERGONOMICALLY ENGINEERED

Engineered top to bottom with ergonomics in mind. The main electrical panel location gives greater accessibility and ease of maintenance from within our side cabinet design.



SEAMFREE™ TECHNOLOGY

Seamless door, frame and window construction improve appearance and durability. This along with the engineering of our 1/8" inch side skin provides long term corrosion protection.



TRAUMAHAWK SAFETY

Each AEV modular body is tested and certified to a level far more than twice the Federal Standards.

‘Nothing can be left to chance and AEV has the qualifications and ability to get the job done right.’



There is **only one**
ambulance plant like this.

And only AEV is backed by all of these credentials:

Certified by Ford, GM and Mercedes Sprinter

Registered ISO 9001/2008 for Quality

Operates in partnership with OSHA

Certified with a double-impact crash test

Lean Manufacturing Production System

Meets SAE J2917

Meets SAE J3026

Meets SAE J3027

Meets SAE J3057

The new industry standard has been set.

**'Our mission is to design and build
emergency vehicles you can trust.'**

AMBULANCE CRASHWORTHINESS DEFINED



*There's been a lot of talk about safety
in the industry lately.*

Aev has always done more than talk.

We knew it was time...

To go beyond an acceleration simulator...

*To go beyond deformable barrier
or static load testing...*

Time to do what the national highway traffic safety administration and the insurance institute for highway Safety do when they validate the crashworthiness of a vehicle. It was time for a real world, dynamic high-speed crash test.

Based on years of testing and experience, we knew our vehicle was up to the challenge.

Seeing is believing.

Experience our high-speed, double-impact, industry-changing crash test at: www.aev.com

PROVEN IN CRASH TESTS TO DELIVER LIFESAVING PERFORMANCE

Our goal is to design and build emergency vehicles in which you can have total trust. That's why our highly skilled technicians build most assemblies right here in our facilities, where we control the quality. This, along with modern engineering and technology and you have the cornerstone elements of our product line.

We don't just assemble ambulances at AEV, we craft a world class product backed with the strength and integrity of a responsive and progressive company. Our unprecedented growth over the past few years tells us our formula of providing this solid value works for our customers.

AEV®

REV GROUP

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