

# FMTVA1

## 2.5 TON STANDARD CARGO

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The Family of Medium Tactical Vehicles (FMTV) provides the Army's backbone for tactical unit mobility and logistics support throughout the battlefield. Produced by Stewart & Stevenson® Tactical Vehicles Systems, LP, medium vehicles must be capable of operating worldwide on primary and secondary roads, as well as on trails and cross-country in weather extremes from -50 to +120 degrees Fahrenheit.

#### FMTV A1 CHARACTERISTICS

- Full-time all-wheel drive
- Fully automatic transmission
- Electronic Central Tire Inflation System (CTIS)
- Anti-lock Braking System (ABS)
- Interactive Electronic Technical Manuals (IETM)
- Fully MANPRINT compliant
- C-130 air transportable at GVW
- U. S. Army proven 98%+ operational readiness
- Family of 14+ vehicles with 80% Commonality
- U.S. Army certified 22-year corrosion protection
- Highest proven reliability of any tactical vehicle



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Accepting Dealer Inquiries



## FMTVA1

### VEHICLE CHARACTERISTICS MILITARY CONFIGURATION

#### EXTERIOR DIMENSIONS

Length	253"
Width	96"
Operational Height	112"
Air Transport Height	105.5"
Wheel Base	153.5"
Ground Clearance Loaded	22"
Approach/Departure Angle Degree	40° / 40°

#### WEIGHTS AND CAPACITIES

Vehicle Curb Weight	17,589 lb
Payload	5,000 lb (plus kits)
Towed Load	12,000 lb
Maximum Speed	72 mph (governed, at gross weight)
Range	58 gal. (219 L) nominal 400+mi
Maximum Grade/ Side Slope	60% / 30%
Turning Circle Wall-to-Wall	55.8'
Fording	30"

#### CAB

Design	3-Man, ergonomically adjustable driver seat and steering wheel
Steering type	Power assisted, re-circulating ball
Storage	8 cu-ft
Cab suspension	Height-adjusting air springs with damper

#### ENGINE

Caterpillar 3126	Heavy duty diesel, 6-cylinder, electronic controlled, fuel-injected turbocharged and aftercooled, EPA certified
Rating	275 hp (205 kw) @ 2400 rpm
Displacement	442 cu in. (7.2 L)
Torque	817 lb-ft (1,107 N.m) @ 1600 rpm
Fuel	Diesel, DF-2, JP-4, JP-8, VV-F-800
Oil	MIL-L-2104D, MIL-L-46167, 22 qt (21 L)

#### TRANSMISSION

Allison MD 3070 PT	Automatic/select 7-speed, electronically controlled
Full-time All-wheel Drive	Integral transfer case
Normal Operation	30% torque front wheels, 70% torque rear wheels; off-road, equal front and rear
Oil	MIL-L-2104D, MIL-L46167, 31.8 qt (30 L)

#### AXLES

ArvinMeritor	Front, intermediate and rear axles
Carrier	Single reduction, amboid-gearing
Wheel End	Bevel wheel end reduction, ratio 2:1
Overall Axle Gear Ratio	6.14:1
Front Axle Steering Angle Degree	35

#### ELECTRICAL

System	12/24 volt, EMI/HAEMP qualified, resetable circuit breakers, central power distribution panel
Alternator	100 amp, 12/24 volt, waterproof, EMI/RFI suppressed, (200 amp option)
Starter	24 volt waterproof

#### TIRES

Type/Size	Michelin 395/85R20XZL All-terrain
Central Tire Inflation System	Eaton Cab-mounted electronic controls, operable while driving highway, cross-country, air transport, sand/mud/snow and emergency modes

#### BRAKES

Primary	Dual-circuit, four channel air, Anti-lock Braking System (ABS) with trailers ABS connectors for emergency towing
Supplemental	Air actuated, driver controlled exhaust brake

#### DIAGNOSTICS

Interactive Electronic	Class V, intrusive diagnostics utilizing SAE J1708 / J1939 data
Technical Manuals (IETM)	buses to diagnose all (4) unique Electronic Control Modules (ECM)

#### SUSPENSION

Front	Parabolic-tapered leaf spring with hydraulic shock absorbers
Rear	Parabolic-tapered leaf spring with hydraulic shock absorbers and stabilizer bar

#### TRANSPORTABILITY/DEPLOYABILITY

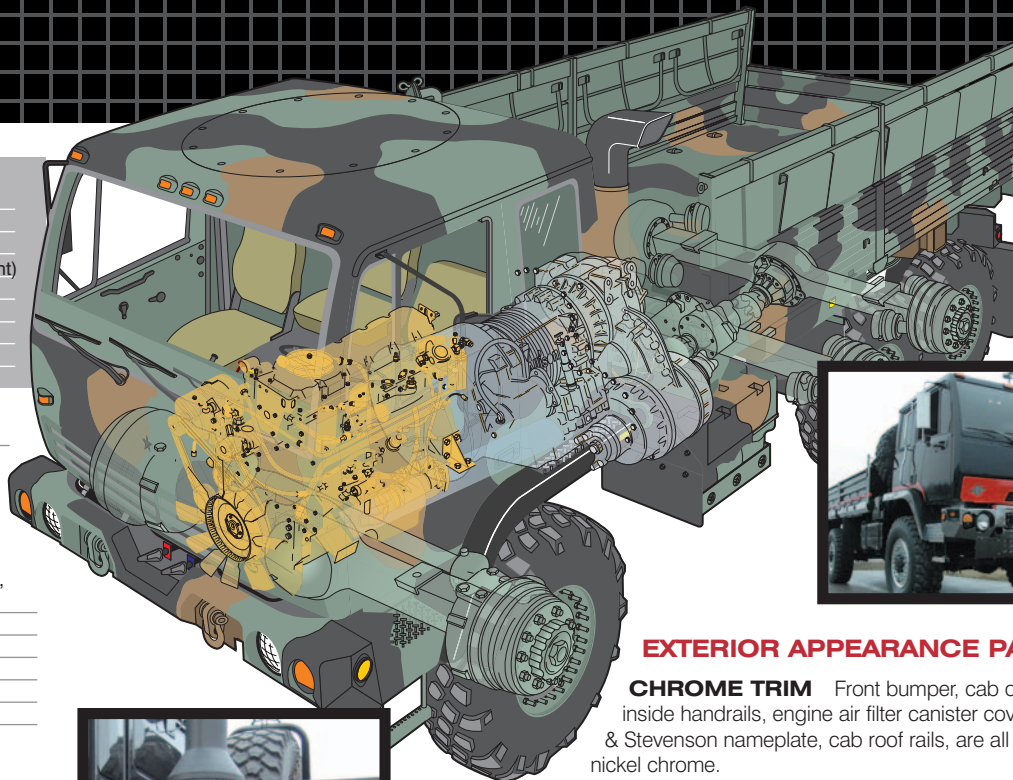
Internally	Air-transportable by C-130, C-141, C-17 and C-5A at GVW
Externally	Transportable by CH-47 and CH-53 helicopters
Self Recovery Winch	Optional 11,000 lb (4,990 kg) rating, 280ft (85.3 m) line capacity, fore/aft recovery positions

#### CARGO BED

Inside Cargo Bed	149" x 91" (3,784 x 2,314 mm)
Ladder	Integral, stowed
Construction	All steel, E-Coat rustproofing, dropside with side rail storage
Options	Troop seats, stowable composite; bows and tarp kit

#### MATERIAL HANDLING EQUIPMENT

Crane	Optional Loads/unloads cargo bed and trailer, electric operation, 1,500 lb (6,800 kg) lift at 4 ft (1.2 m)
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#### EXTERIOR APPEARANCE PACKAGE

**CHROME TRIM** Front bumper, cab outside & inside handrails, engine air filter canister cover, Stewart & Stevenson nameplate, cab roof rails, are all plated in nickel chrome.

**STAINLESS STEEL** A mirror-finish stainless steel accent runs the length of the vehicle on each side, sweeping up from the bottom of the cab fenders, over the wheels, and along the bed sides, and across the rear.

**BRIGHT ALUMINUM TREADPLATE** Outer cab step areas, accessory boxes, and rear fenders are covered in polished aluminum treadplate, with laser-cut "Bad Boy" trim tabs on bottom of rear mud flaps.

#### ROOF

**GRAPHICS** A deep red glow-in-the-dark accent is inset into the front of the cab, and runs along the cab and body sides just above the mirror stainless accent.

**POLISHED ALUMINUM RIMS** Tires are mounted on custom-made polished aluminum rims, by the original wheel manufacturer, and retain the In-motion Tire Air Control System function.

#### INTERIOR DESIGN

**DASH** A 3-module custom dash housing & panel design is provided, consisting of driver side instrument module, center console module, and passenger side map panel module. All housings are built with rounded corners, upholstered with padded and sewn Charcoal fabric. The instrument panel is brushed-finish stainless steel, and all gauges have black bezels. The center console panel is wrapped in Red leather. The map panel is brushed-finish stainless steel, and the map pocket is Charcoal fabric, with elastic gather.

**HEADER** The full-width header console is contoured to a large radius, and upholstered with padded Charcoal fabric. The visors are contoured to match the header shape. The header includes a module for the flip-down LCD TV and dual swivel map light unit.

**DOOR PANELS** The cab door inner panels are upholstered in Charcoal fabric, with 3 accents that sweep from the lower front corner to the rear of the door (to match the exterior accent theme). The accents are upholstered in Charcoal vinyl, Red leather, and mirror-finish stainless steel. A circle of mirror-finish stainless is inlaid around the window crank handles. The door release and pull handles are chrome plated.

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### BADBOY CONVERSION

**CEILING & WALLS** The cab walls and ceiling are finished in Charcoal vinyl, padded and sewn. The ceiling is highlighted with a 4-foot diameter smoked mirror circle inlaid into the headliner with low voltage perimeter lighting.

**FLOORING** The floor is covered in seam-sewn WBD Seasons #164 Hard Frost woven vinyl.

**SEATING** All 3 seats are Wieland Imprezas, upholstered in Edelman Black leather. All have retractable seat and shoulder harnesses.



#### ELECTRONICS

**AUDIO / VIDEO SYSTEM** In-Dash unit: Pioneer DVD, MP3, SVCD, CD player, with motorized flip out LCD Screen, Satellite radio, XM, and GPS system

**Overhead Flip-down LCD TV monitor for rear seating**

**Inside/Outside temperature gauges, Internal LCD clock**

**GPS SYSTEM**

**INVERTER SYSTEM** 2400 watt inverter system with interior and exterior outlets.

#### SECURITY SYSTEM

**INFRARED CAMERA SYSTEM** The Three-camera system with video switcher allows the driver to toggle between cameras views. Center mounted rear camera is flushed in to rear bumper with stainless accents. Two side-mounted cameras are attached to the stainless steel mirrors.

**IN-MOTION SATELLITE SYSTEM** Low Profile KVH In-Motion Satellite TV System is roof mounted to allow the passengers to get satellite, up to the minute information.

**SATELLITE PHONE** Kyocera Satellite phone system allows unobstructed communication.

**SATELLITE XM RADIO • CB WITH PA SYSTEM**

#### OTHER FEATURES

**CAB ROOF SPOTLIGHT** A Guest 72,000CP spot / 30,000CP flood, with remote joy-stick control, is mounted on the roof. Light is made of 304 & 316 polished stainless steel.

**CAB ROOF RAILS** A pair of 2" steel tube rails are mounted on the roof to protect the satellite system from low hanging tree branches and other hazards. Rails are finished in chrome plating.

**PERSONAL SAFE** A small personal safe, with keypad-style combination opener and key override, is installed into the rear corner of the cab.

#### OPTIONS

**NUCLEAR BIOLOGICAL & CHEMICAL (NBC)**

- NBC resistant interior cabin environment
- NBC detection and warning system

**AuraGen - 6kW Engine-Driven Generator**

**Grill-mounted Infrared Illumination with Starlight 3rd generation**

**Night-vision goggles**

**Personal Customization Available**

