



**MEGA
ENGINEERING VEHICLES**

ARMORED VEHICLE SPECIFICATION



MEGA APX4



(H.Q) 16742 Burke Ln. | Huntington Beach, CA 92647 USA | www.megaev.com
Tel: +1 (714) 375-4300 | Fax: +1 (714) 848-5599 | Email: info@megaev.com



CHASSIS SPECIFICATIONS

- New Ford F-550 Super Duty Commercial Chassis
- 6.7L V8 Turbo Diesel Engine (330 HP)
- Max Speeds of 130 kph +
- 4-wheel drive (4X4)
- 6 Speed TorqueShift Automatic transmission with overdrive
- Hydraulic Power Assisted Steering
- Front Air Conditioning
- OEM in dash air conditioning, heating and defrost
- Mono-beam leaf spring suspension with rear stabilizer bar
- Am-Fm Stereo Radio with clock
- Tilt/Adjustable Steering Wheel
- 4.88 LTD Slip Rears
- 4 Wheel Disk Brakes with ABS
- 40 Gallon (151 Liters) Fuel Tank Aft of Rear Axle
- Includes locking fuel caps
- Wheelbase: 3475mm
- Interior Height: 1447.8mm
- Overall Length: 6537.2mm

ARMOR LEVEL (Single Layered)

- B6 Rated Vertical Panels
- B6 Rated Roof
- B6 Armor to Mil Spec standard

FLOOR

- Floor is armored with a blast mitigating floor for minimum of (2) DM51 Hand Grenades set off simultaneously
- Interior floor covered with anti slip material with flammability resistance

WINDOWS (B6 Protection Rated)

- Bullet resistant glass-clad polycarbonate with-Spall Liner
- 2 piece windshield
- (2) Front door windows
- (2) Side Door Windows
- (4) Side Wall Windows; (2) Per Side
- (1) Window each rear door
- Equipped with Windshield washing system

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ANTI RIOT GLASS PROTECTION

- Anti Riot glass protection covers installed on all glass

FIREWALL PROTECTION PACKAGE (B6 Rated)

- Complete firewall protection against shots or blast fragmentation



(4) DOOR, CREW CAB DESIGN

- 2 Door Design for Cabin Entry
- 2 Side rear officer area doors
- Double Rear Doors
- Side and Rear Doors offer Lock out ability to extend armor





FRONT SEATS

- (2) Front Seat
- Driver's seat is high back adjustable
- Passenger seat is high back adjustable

REAR SEATING

- (2) Flip Down Bucket Seats facing rearward behind OEM front Seats
- Bench seating with under seat storage
- Seats are padded and have padded back rests



SEAT BELTS

- 3 Point Seat Belts 4 individual seats
- 4 Point Seat Belts for bench seat area to hold 6 people



ENGINE BAY ARMOR PROTECTION PACKAGE

- Full Hood Armor B6
- Front MEV exclusive Flip Forward Package
- Allows easier access for maintenance and repair



FUEL TANK ARMOR

- Fuel tanks include locking armored door
- Armored vertical protection and skid plate on both tanks

TOW HOOKS

- (2) on front of APX4; (2) on rear of APX4
- Hooks installed on Roof

SIDE DOOR STEPS

- Side door steps for entry/exit

REAR PLATFORM/STEP/BUMPER

- Includes additional rear bumper light so officers can see while deploying in night operations; Allows for bumper illumination without having to use flash lights and brighter reverse lights



GRAB HANDLES & REAR ROOF ACCESS

- Interior grab handles for stabilization inside cabin and rear officer's area
- Exterior steel grab handles for riding on running boards
- A Pillar, Located at all doors

GUN PORT PACKAGE (Total 13 Ports)

- Optic Ready Gun Ports Each Side Door
- Optic Ready Gun Port in each Rear Door
- (3) Optic Ready Gun Ports in each Side Wall of APX4 after of side entry doors
- Optic Port in Roof Hatch

NON ROTATING ROOF HATCH

- Lid armored to B6 Levels
- Optic ready gun port in Lid

ROOF HATCH STEP

- Forward Hatch has step Stored Flat in Floor when not in use to allow for easy movement between cabin and rear officers area





APX4 V OFF ROAD UPGRADE PACKAGE Suspension System

- Heavy Duty Off Road Shocks
-Installed on Front and Rear of APX4; Increases stability and ruggedness
- Front Coils
-Replaced with Heavy Duty Capacity Coils
- Rear Suspension
-Additional OEM Leafs Installed for support
- Sumo Spring Bump Stops at all Wheel Positions (Front & Rear)
-Complements Vehicle's Suspension (Works like shock absorber)
-Improves load carrying capacity
-Reduces amount of side-to-side body roll for greater stability
-Heavy Duty Sway Bars Added

335/80R20 TIRE/RIM PACKAGE UPGRADE

- Includes Conversion to Single Rear Wheel 20" Rim and Tires (385/80R20 Off Road Tires)
- Upgraded Suspension to improve handling and maneuverability
- Includes upgraded steering stabilizer, sway bars, shocks, springs
- Upgraded Tires and Rims improves ground clearance and performance





RUN FLAT TIRE PACKAGE

- Includes addition of 4 static mounted run flats
- Rated for Km/h for distance of 50 km, if tire is punctured

CONTROL SYSTEM

- All Switches have Backlit Control Panel for ease of reading at night
- Easy to read and use by both driver and passenger
- All wiring performed to work in high heat, dusty, and sandy environments



LIGHT BAR, EMERGENCY SYSTEM & ELECTRICAL

- (2) Blue LED Beacon Lights on Roof
- LED Emergency Lights in Grill and on Rear of Unit (Customer Choice on Colors)
 - (2) LED Blue Lights Front Grill
 - (2) LED Blue Lights Rear of APX4
 - (1) LED Blue Light Back Driver Side Wall
 - (1) LED Blue Light Back Passenger Side Wall
 - Wig Wags Front and Rear
 - Stealth Switch
- Rear Bumper Light to illuminate step – Control Switch by rear door
- Front and Rear Running Lights
- Multi Sound Horn/Siren with 100W Speaker and PA System



INTERNAL LIGHTING

- Red/White Internal ceiling mounted lights
- Allows for either White or Red or Both; Master switch in cabin; Also can control light from seat



HIGH INTENSITY DRIVING LIGHTS AND HEADLIGHTS

- LED High Intensity driving lights installed in front bumper
- LED High Intensity Head Lights

HVAC SYSTEM

- Large Additional rear Air Conditioning and Heating unit mounted in rear officer's area for additional cooling and heating; includes second condenser

INSULATION PACKAGE

- APX4 includes upgraded insulation package for use in hot and extreme climates

BACK UP/REAR CAMERA SYSTEM (Day/Night Color Cameras)

- Color Monitor in cabin

WEAPON STORAGE

- Weapon storage built inside APX4
- Size and spacing to be determined after bid with customer

FIRE SUPPRESSION SYSTEM

- Fire Suppression System for Engine Bay
- Fire Suppression System for each wheel position
- Manually activated
- Engine Bay and Wheel positions are separate activation switches

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FIRE EXTINGUISHERS

- (2) 10lbs (4.5kg) fire extinguishers mounted in APX4

VENTILATION FANS

- (2) Ventilation fans installed in APX4 to remove harmful substances

TRAINING

Train Three Specialists on APX4 programming, maintenance, and functions

PAINT

- Exterior
 - Color to be Determined
- Interior
 - Velcro Carpet

ARMOR WARRANTY

Armor Basic.....5 Years/100,000 Kilometers

