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PIT-BULL VX®

ALPINE ARMORING INC.

alpineco.com

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ARMORING & FEATURES OVERVIEW

GLASS
- 40mm thick (A9/B6+ armor level)
- Anti-spall shield layer
- Multi-hit protection

DOORS
- Four (4) side doors
- Single rear door is 43 inches wide
- Ballistic steel door pillars
- Custom heavy-duty door hinges
- Exterior paddle style handles for rapid entry
- Grab handles on interior/exterior of all doors
- 4-point manual deadbolt locking system

ELECTRICAL & LIGHTING
- All wires are loomed and clearly marked
- 3 switched red & white dome lights
- 2 roof mounted GoLights with toggle
- P.A. / multi-siren system
- Red and blue strobe lights on all sides
- Equipment & accessories control console

SEATING (Choice of Bench or Blast)
- OEM Driver & Passenger seats
- OEM 3-point seat belts (driver/passenger)
- Rear bench seating and 2 point seatbelts
- 2 bench seats lift up for additional storage
- 2 jump seats behind driver and passenger
- Total seating for ten (10) personnel

CLIMATE CONTROL
- Front cab utilizes OEM climate controls
- Rear independent high output A/C system
- Smoke extraction/ventilation fans

WHEELS & TIRES
- Rims: 20”x11” forged aluminum
- Tires: Michelin XZL 335/80R20 tubeless
- Run-flats installed on all wheels

STANDARD FEATURES & ACCESSORIES
- First aid kit and fire extinguisher in front
- Rear pintle hook installed below foot rail
- Ballistic fuel tank armoring
- Lockable fuel door
- Reinforced door pillars and posts
- Tailpipe protection
- Suspension components are reinforced
- Manual shift 4-wheel drive

INTERIOR FEATURES
- Insulated dual-wall construction
- Rubber floor in front cab compartment
- Anti slip heavy duty textured rear floor

EXTERIOR FEATURES
- Front RAM bumper mounted to frame
- Grab handles and 12” wide foot rails
- Dual door roof escape hatches
- Roof Hatch (turret is an option)

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VEHICLE SPECIFICATIONS FOR PIT-BULL VX ®

ARMOR LEVEL:	**A9/B6+ NIJ III**
MAKE/MODEL:	**Ford F-550 4x4 / PIT-BULL VX ®**
ENGINE:	6.7L V8 TURBO-DIESEL
TRANSMISSION:	6-Speed Automatic and Reverse
POWER:	330 HP & 750 lb-ft.
SEATING:	2 – 8 Crew
WHEELS:	20 x 11 MILITARY / TACTICAL
TIRES:	Goodyear / G275MSA 335/80R20
GVWR:	19,500 lbs (8,845 Kg)
FINAL WEIGHT:	Approx. 16,500 lbs (7,530 Kg)
EMISSIONS:	EURO 3> or U.S. CALI Standard
LENGTH:	239 IN. (607CM)
WHEELBASE:	141 IN. (358 CM)
HEIGHT:	100 IN. (254 CM)
WIDTH:	98 IN. (248 CM)
CLEARANCE:	12 IN. (31 CM)

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Firewall

Ballistic steel firewall provides protection up front.

5-1

Roof

Roof is lined with ballistic steel at an angle.

5-2

Floor

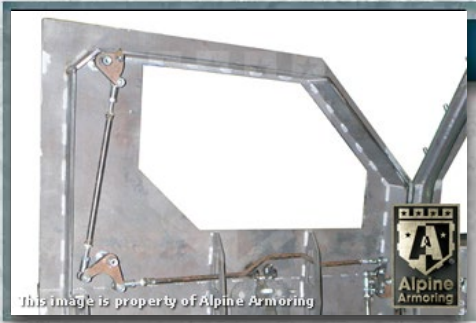
Entire floor is lined with ballistic steel.

5-3

Doors

All doors are lined with ballistic steel.

5-4



Frames-Windows

All window frames are designed In a modular way for better protection and ease of replacement for maintenance.

5-5

Heavy-Duty Hinges

Custom hinges that will withstand the weight of the armored doors.

5-6

Engine Bay Protection

All body panels that surround the engine bay are constructed out of ballistic steel.

5-7

Wheel Wells

Front and rear wheel wells are lined with ballistic steel.

5-8

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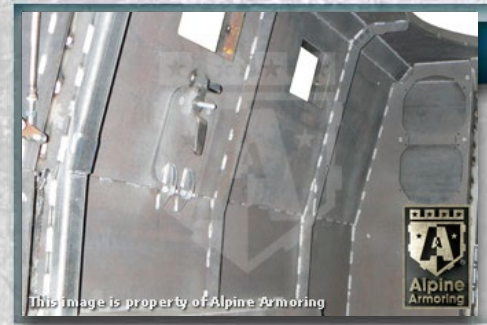

Frame Construction

Along with the body panels, the frame is constructed out of ballistic steel.

6-1

4-Point Dead Bolts

All five (5) doors feature a heavy-duty 4-point deadbolt locking mechanism that can only be unlocked from inside.

6-2

Radiator Protection

A ballistic steel shroud is installed in front of the radiator.

6-3

Fuel Tank Protection

Fuel tank is fully protected and is encased in ballistic steel.

6-4

Armored Turret

Rotatable armored turret with armored hatch. This device is not normally offered in a standard package. **(OPTIONAL –additional cost required.)**

6-5

Escape Hatches

Two rear escape hatches are built into the rear section of the roof (up to three).

6-6

Rear Door

Featuring a single rear door that swings for a wide opening, constructed out of ballistic steel.

6-7

Heavy-Duty Bumper

Customized design, Installed directly to the frame. Can be used as a ramming device. Made from ballistic steel.

6-8

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Glass Thickness

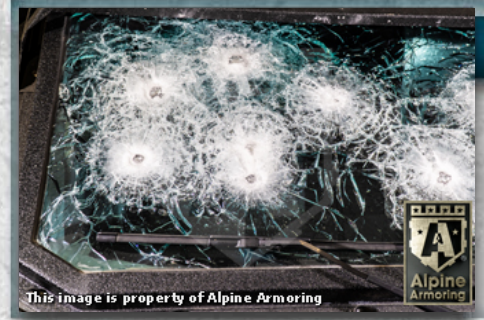
Minimum 40 (to max 42) mm thick Certified NIJ Tested glass/polycarbonate composite transparent armor.

7-1

Anti-Spall Layer

Inner-most anti-spall layer prevents glass and bullet fragments from penetrating into passenger cabin area.

7-3



Multi-Hit Protection

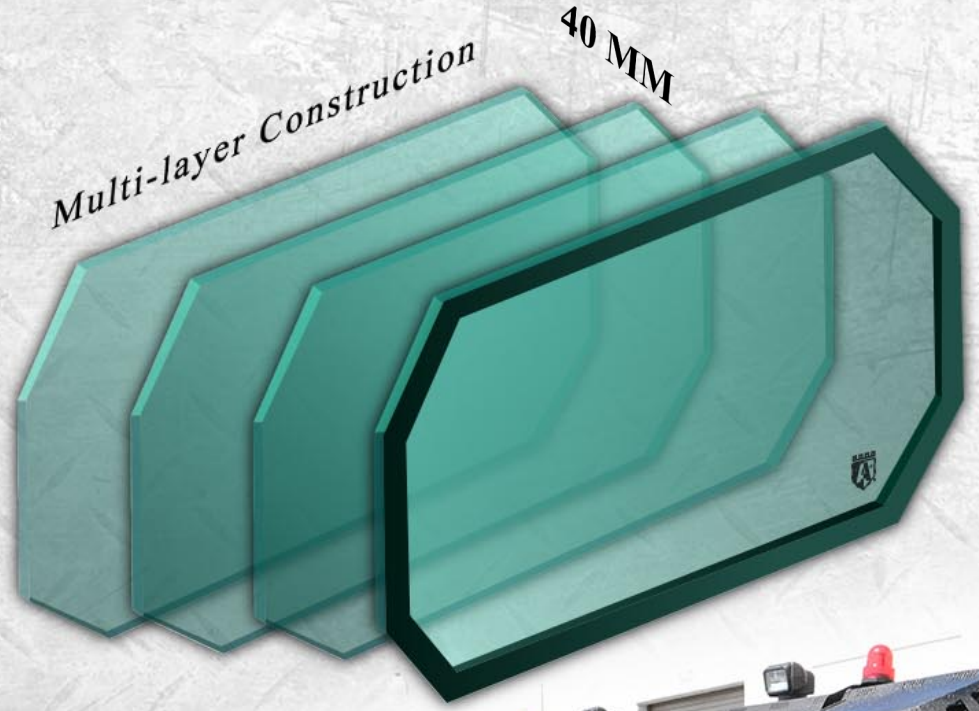
All windows are capable of sustaining multiple hits while providing protection to passengers.

7-5

Anchored Windows

All windows are anchored for additional protection from explosions.

7-7



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Control Console

Features controls for high intensity lights, strobes, cabin fans, P.A./multi-siren system and more switches, mounted at the back of the panel.

8-1

Strobe Lights

Pairs of red & blue strobe lights are mounted to each of the four sides of the vehicle. Total of 8 (4 red + 4 blue) lights.

8-2

P.A./Multi-Siren System

Located on the center console. The multi-siren features standard siren tones, volume adjustment, and a public address system.

8-3

High Intensity Lights

A set of two (2) GoLights are installed on the front of the roof. Control switches are located on the center console in the front cabin.

8-4

Suspension Upgrades

All springs and shocks are replaced with upgraded off-road versions to accommodate the weight of armoring.

8-5

Rear A/C System

Fully independent high BTU hot/cold air A/C system is installed in the rear cabin.

8-6

Heavy-Duty Bull Bar

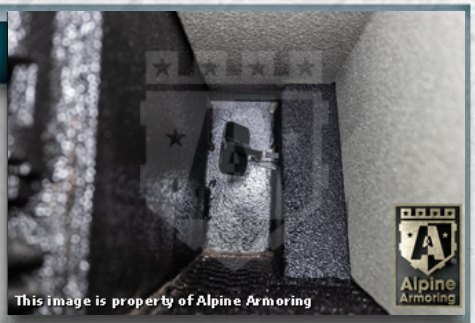
Installed directly to the frame. Constructed out of ballistic steel.

8-7

Dual Fuel Tanks (2)

The first tank has its release on the left side of the driver seat, the second one is located on the last crew seat in the rear of the driver side. **Capacity for dual tanks = 68 gallons (257 liters)**

8-8



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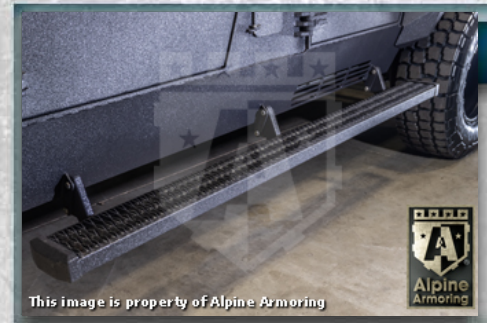


Exterior Running Boards

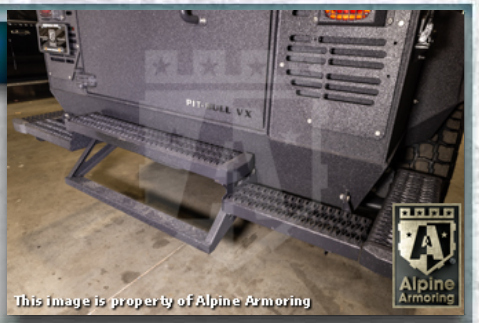
Running boards are built in on both sides of the vehicle.

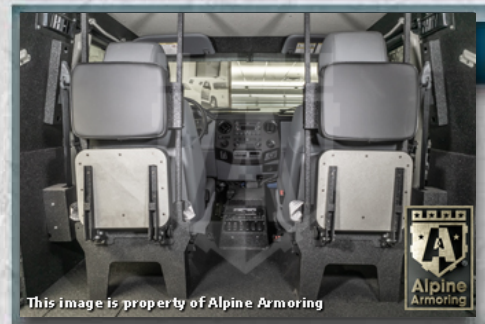
9-1

Extended Running Boards

Rear extended running boards built for easier and faster crew deployment.

9-2





Jump Seats

Located behind the driver and passenger seats. The seat bottoms are spring-loaded and retract automatically with padded cushion..

9-3

Viewing Windows

A total of six (6) viewing windows are located in the rear cabin. There are two (2) on each side and two (2) on the rear door.

9-4

Bench Seats (Standard)

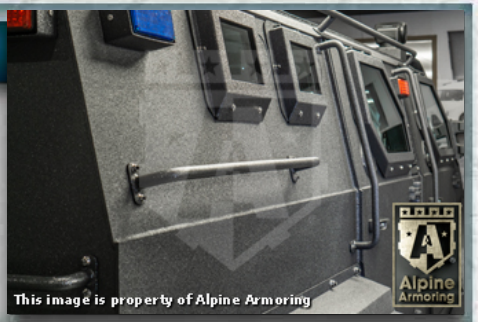
This is the standard seat option. Each bench includes lap belts and gear storage underneath with padded seat.

9-5

Exterior Hand Rails

A variety of vertical and horizontal handle bars are built into the exterior of the vehicle.

9-6



Manual Shift 4-Wheel Dr.

This is the optional manual shift 4-wheel drive.

9-7

Gun Ports

A total of nine (9) gun ports are installed on the vehicle. Four (4) are on each and one (1) on the rear door.

9-8

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Military Wheels & Tires

Wheels are 20”x11” tactical and the tires are heavy-duty off-road rated. Tires are Michelin 335/80R20.

10-1

Battery Protection

Located under the floor panel next to the rear passenger side door. Protects both batteries in a ballistic steel box.

10-2

Roof Hatches

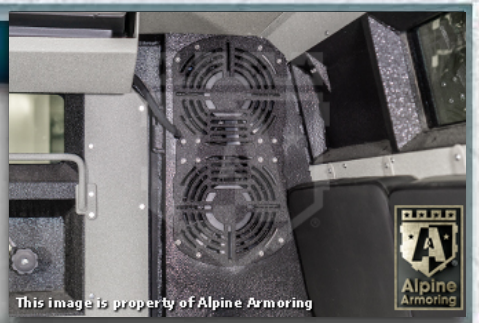
A total of three (3) roof hatches are built in and are constructed out of ballistic steel. Each hatch locks in place at 90 degrees.

10-3

Cabin Fan System

Built into the rear of the cabin, is a push/pull fan system. Each pair of fans can be operated independently from the front control console.

10-4



Hydraulic Jack

A heavy-duty jack is located in the rear cabin and is rated to handle more than the vehicle’s total weight.

10-5

Tailpipe Protection

Protects exhaust pipe from being sabotaged.

10-6

Tool Kit & Extinguisher (2)

A basic tire changing tool kit and (2) fire extinguisher are mounted in the rear cabin.

10-7

First Aid Kit

Mounted to the back of the center console for quick access.

10-8

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3D ILLUSTRATIONS

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Alpine Armoring's Ballistic Chart

Weapons	Specs: Type	Specs: Caliber (mm)	Specs: Class	Levels: STANAG	Levels: UL	Levels: Alpine	Levels: NIJ	Levels: CEN	Bullets: Mass (g)	Bullets: Material	Bullets: Velocity	Number of Shots
	.38 Special	9 x 19	Handgun	–	1	A1	I.II.IIA	–	8.00	LCCJ	358 M/S	5
	.357 Magnum	9 x 33	Handgun	–	2	A2	I.IIA	B1 & B3	10.20	JSP	430 M/S	5
	.44 Magnum	11 x 33	Handgun	–	3	A3	IIIA	B4	15.60	LWC	440 M/S	5
	MP5	9 x 19	SMG	–	6	A4	IIIA	B2	8.00	LCCJ	427 M/S	5
	Shotgun	12 Gauge	Shotgun	–	3 & 4	ASG	IIIA	SG2	28.30	SLUG	503 M/S	3
	Tokarev	7.62 x 25	Handgun	–	–	A5	IIIA	–	5.50	LCSJ	488 M/S	5
	Kalashnikov (AK-47)	7.62 x 39	Assault Rifle	–	–	A6	III	B5	9.70	SCCJ	732 M/S	5
	Kalashnikov (AK-47 Military)	7.62 x 39 API BZ	Assault Rifle	II	–	A7	–	B5+	11.70	SCCJ	774 M/S	3
	M16/AR-15	5.56 x 45 NATO SS109 5.56 x 45 NATO Ball	Assault Rifle	I	7	A8	IV	B5	4.00	SCCJ LCCJ	900 M/S 833 M/S	5
	Winchester .308	7.62 x 51	Rifle	I	7	A9	III	B6	10.90	LCCJ	810 M/S	5
	Remington 700 SPS	7.62 x 63 AP (.30-06) 7.62 x 51AP (WC core)	High-Power Rifle	III	5 & 8	A10	IV	B7-	10.80 8.40	AP	869 M/S 930 M/S	1
	Dragunov	7.62 x 54R B32 API	Sniper Rifle	III	–	A11	IV+	B7+	10.04	SCCJ	854 M/S	1
	.50 Cal	12.7 x 99	High-Power Rifle	IV	10	A12	–	–	45.00	CJ	908 M/S	1

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UL ..... Underwriters Laboratory, 752
NIJ ..... National Institute of Justice, 0108.01
CEN ..... European Standard
STANAG ... NATO's Standard (STANAG 4569)
ALPINE .... Alpine Armoring's Certified Standard

LCCJ ..... Lead Core Copper Jacket
JSP ..... Jacketed Soft Point
LWC ..... Lead Wad Cutter
LCSJ ..... Lead Core Steel Jacket
SCCJ ..... Steel Core Copper Jacket
AP ..... Armor Piercing
SG ..... Shotgun

Shots (5) .... 11.4 cm Square Pattern (Corners & Center)
Shots (3) .... 11.4 cm Triangular Pattern
Velocity ..... Minimum Measured Velocity
NIJ Rating .. Levels I, II, IIA, & IIIA (based on 1of 2 required calibers of ballistic threat)

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WARRANTY

PIT-BULL VX® SWAT TRUCK

This SWAT vehicle, as proposed to the client, would be under Alpine Armoring's premium warranty covering all its armored parts and labor as well as all added accessories for one full year, effective the day of sale. Additional warranty for longer period is available upon request.

Alpine Armoring Inc. hereby honors this warranty, in the United States and worldwide, against any and all related manufacturer's defects, including parts and labor.

MANAGEMENT AUTHORIZED
ALPINE ARMORING INC.
CHANTILLY, VIRGINIA, USA

DATE ISSUED

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