



"no one
protects you
better."



Available at Levels:
A9/B6+/STANAG II
&
A10-A11/B7/STANAG III

PIT-BULLX®

ALPINE ARMORING INC.
alpineco.com



ARMORING & FEATURES OVERVIEW

SWAT TRUCK PIT-BULL X®

VIN: 1FDUF5HT9DEA54753

TRANSPARENT AREAS

- Special high level ballistic glass – 47 mm thick
- Anti-spall shield layer
- Multi-hit protection

OPAQUE AREAS

- Special light material ARMOX® ballistic steel
- 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

ELECTRICAL & LIGHTING

- All wires are loomed and clearly marked
- Multi-switched 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
- Yellow revolving yellow search lights

SEATING (Choice of Bench or Blast)

- OEM Driver & Passenger seats
- 2 jump seats behind driver and passenger
- 1 jump seat behind the rear door
- Total seating for up to 12 crew

CLIMATE CONTROL

- Front cab utilizes OEM climate controls
- Rear independent high output A/C system w/6 vents

WHEELS & TIRES

- Rims: Military specs 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
- 4-point manual locking system with power lock feature

GUN-PORTS

- 12 (5 + 5 + 2) For the model "X"
- 14 (6 + 6 + 2) For the model "XL"

INTERIOR FEATURES

- Insulated dual-wall insulated construction
- Rhinoliner low skid floor in front cab compartment
- Anti slip heavy duty textured rear floor
- Hydraulic Lifting platform to better access the turret

EXTERIOR FEATURES

- Front RAM bumper mounted to frame
- Grab handles and 12" wide foot rails
- Dual door roof escape hatches
- 2 Roof Hatches (turret is an option – see page 12)

CAMERA SYSTEM

- 3 Independently operated cameras (sides & rear)
- Color Monitor with split screens
- DVR Capable

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VEHICLE SPECIFICATIONS FOR PIT-BULL X®

SWAT TRUCK PIT-BULL X®
VIN: 1FDUF5HT9DEA54753

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ARMOR LEVEL:	A9 / B6 + / NIJ III & UP
MAKE/MODEL:	Ford F-550 4x4 / PIT-BULL X®
ENGINE:	6.7L V8 TURBO-DIESEL
TRANSMISSION:	6-SPEED AUTOMATIC
POWER:	300 HP @ 2,800 RPM
SEATING:	11 / 12 (2 + 3 + 3 + 1 + 1 + 1)
WHEELS:	20 x 11 MILITARY / TACTICAL
TIRES:	MICHELIN XZL335/80R20
GVWR:	19,500 LBS (8,645 KG)
FINAL WEIGHT:	APROX. 17,720 LBS (7,800 KG)
LENGTH:	239 IN. (607 CM)
WHEELBASE:	141 IN. (358 CM)
HEIGHT:	100 IN. (254 CM)
WIDTH:	98 IN. (248 CM)
CLEARANCE:	12 IN. (31 CM)





Floor

Entire floor is lined with ballistic steel.

4-1

Roof

Roof is lined with ballistic steel at an angle.

4-5



Firewall

Ballistic steel firewall provides protection up front.

4-2

Doors

All doors are lined with ballistic steel.

4-6



Frames-Windows

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

4-3

Heavy-Duty Hinges

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

4-7



Overall Insulation

The inner layer of the entire armored vertical sections and the roof are insulated with special material to protect against cold and heat.

4-4

Wheel Wells

Front and rear wheel wells are lined with certified ballistic steel.

4-8





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OPAQUE ARMOR DETAILS (PIT-BULL X®)

SWAT TRUCK PIT-BULL X®
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Frame Construction

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

5-1



Radiator Protection

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

5-2



Armored Turret (Option)

Rotatable armored turret with armored hatch. This device is not normally offered in a standard package.

(See page 12, picture 12-6)

5-3



Rear Door

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

5-4

Power Lock Mechanism

Custom built locking mechanism specially built for this SWAT Truck, also equipped with remote Keyless entry & start.

5-5



Fuel Tank Protection

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

5-6



Escape Hatches

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

5-7



Heavy-Duty Bumper

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

5-8





Glass Thickness

Minimum 47 mm thick glass/polycarbonate composite transparent armor.

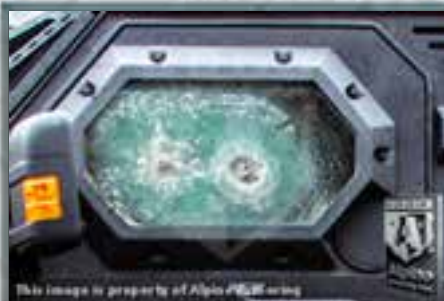
6-1



Anti-Spall Layer

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

6-2



Multi-Hit Protection

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

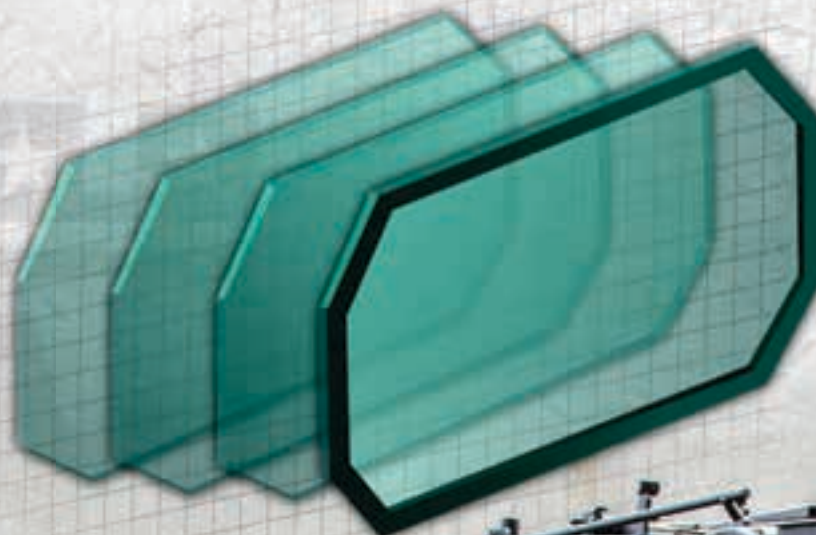
6-3



Anchored Windows

All windows are anchored for additional protection from explosions.

6-4





ADDITIONAL FEATURES (PIT-BULL®)

SWAT TRUCK PIT-BULL X®
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Light Control Console

1st Control box for remote spot lights & strobe lights

7-1

Camera Control Console

2nd Control box for all P.A. multi-siren & camera system and the monitor.

7-5



Modular Control Unit

Controls for PA System, mirrors, camera system, auxiliary switches and more.

7-2

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.

7--6



Rear A/C System

Fully independent high BTU hot/cold air A/C system is installed in the rear cabin including 6 custom ducts for rear cabin area.

7-3

Hydraulic Lift – Step Up

To be raised 15 inches from the floor to reach and operate the rotating turret.

7-7



Extended Seat

Detachable extra seating for 2 more crew members.

7-4

Camera System

Multi – Camera System (3) located on each side and (1) on the rear.

7-8



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7

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ADDITIONAL FEATURES (PIT-BULL®)

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Exterior Running Boards

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

8-1

Mud-Flaps

Customized to protect against splashing and dirt in rough terrain conditions.

8-4



Gun Ports

A total of twelve (12) gun ports are installed on the X model (14 for the XL model)

8-2

Viewing Windows

A total of four (4) viewing windows on each side (3 for the X model). One glass on rear side, Total 9 for the XL model and 7 for the X model.

8-5



Bench Seats

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

8-3

Exterior Hand Rails

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

8-6



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ADDITIONAL FEATURES (PIT-BULL®)

SWAT TRUCK PIT-BULL X®
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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.

9-1

Hydraulic Sniper Platform

Hydraulic Sniper Lifting platform to better access the turret. Equipped with custom control panel for ease of use.

9-4



Roof Hatch

Up to Two (2) roof hatches are built in and are constructed out of ballistic steel. Each hatch locks in place at 90 degrees.

9-2

Gun Turret

Custom-designed turret to be retrofitted on the front roof hatch, shown on image 10-2

Gun not included.

9-5



Power Lock

Heavy duty specially designed locking and handle mechanism with handles.

9-3

Tailpipe Protection

Protects exhaust pipe from being sabotaged.

9-6



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10-1



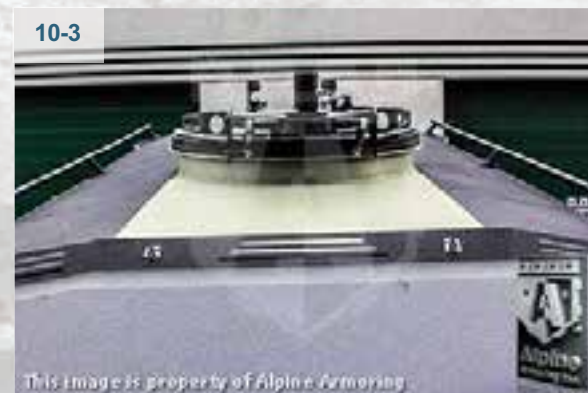
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10-2



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10-8




















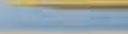
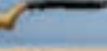







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10-9



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ALPINE ARMORING'S BALLISTIC CHART

WEAPONS	SPECS			LEVELS					BULLETS			"no one protects you better"	
	TYPE	CALIBER (mm)	CLASS	STANAG	UL	ALPINE	NIJ	CEN	MASS (g)	MATERIAL	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	II,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	
	MPS	9 x 19	SMG	—	6	A4	IIIA	B2	8.00	LCCJ	427 m/s	5	
	Shotgun	12 Gauge	Shotgun	—	3 & 4	A5	IIIA	SG2	28.30	SLUG	503 m/s	3	
	Tokarev	7.62 x 25	Handgun	—	—	A5	IIIA	—	5.50	LCCJ	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	5	
	M16/AR-15	5.56 x 45 NATO S&W 5.56 x 45 NATO Bul	Assault Rifle	I	7	A8	IV	B5	4.00	SCCJ LCCJ	900 m/s 833 m/s	3	
	Winchester .308	7.62 x 51	Rifle	I	7	A9	III	B5	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	5	
	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	



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 1 of
2 required calibers of ballistic threat)





WARRANTY

PIT-BULL X® SWAT TRUCK

This vehicles, 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.
HERNDON, VIRGINIA, USA

DATE ISSUED

