

ARMORED SWAT CUDA®

TACTICAL APC



LEVEL A9

AGAINST 7.62 x 39mm, 5.56 x 45mm, 7.62 x 51mm



VEHICLE SPECIFICATIONS FOR CUDA®

ARMOR LEVEL:	A9/B6+
MAKE/MODEL:	Toyota LC 76 4x4 / CUDA®
ENGINE:	4.5L V8 TURBO-DIESEL
TRANSMISSION:	5-Speed Manual
POWER:	195 HP & 430 lb-ft.
SEATING:	2 + 6 Crew
WHEELS:	17" MILITARY / TACTICAL
TIRES:	Goodyear/ LT 295/70R17
FINAL WEIGHT:	Approx. 8,800 lbs (4,028 Kg)
EMISSIONS:	EURO 3> or U.S. CALI Standard
LENGTH:	192 IN. (488CM)
WHEELBASE:	109 IN. (277 CM)
HEIGHT:	85 IN. (216 CM)
WIDTH:	75 IN. (190 CM)
CLEARANCE:	10 IN. (25 CM)



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Glass Armor

Minimum 40 mm thick glass/polycarbonate composite A9/NIJ III transparent armor installed on the vehicle.

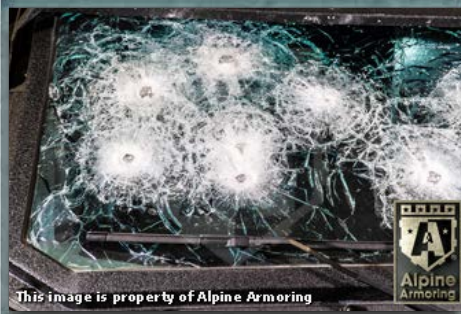
3-1



Anti-Spall Layer

Inner-most anti-spall layer prevents glass and bullet fragments from penetrating into passenger cabin area and is free of any optical distortion and discoloration.

3-2



Multi-Hit Protection

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

3-3

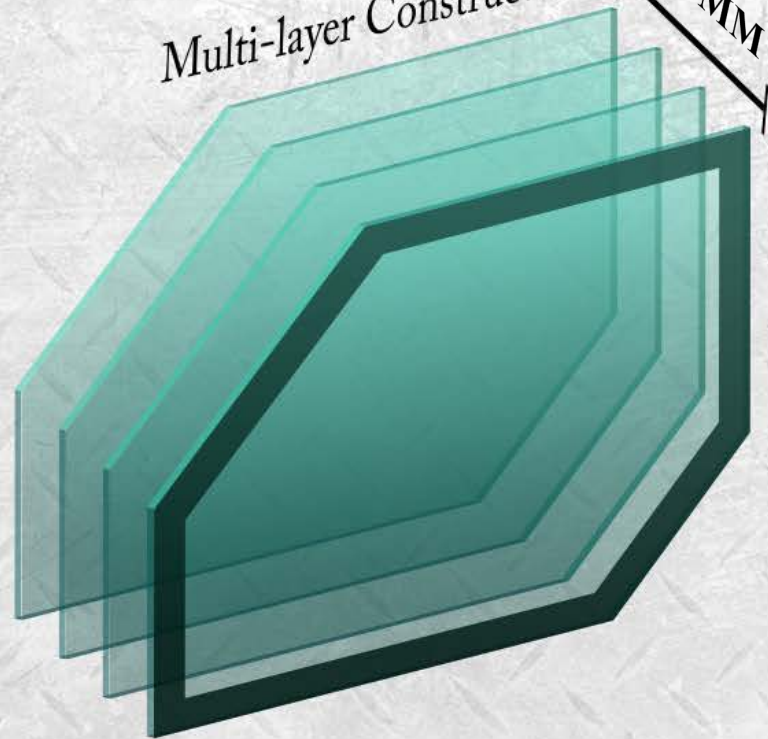


Anchored Windows

All windows are anchored for additional protection from explosions.

3-4

Multi-layer Construction 40 MM





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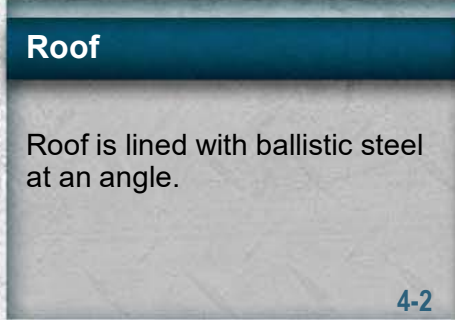
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Firewall

Ballistic steel firewall provides protection up front.

4-1



Roof

Roof is lined with ballistic steel at an angle.

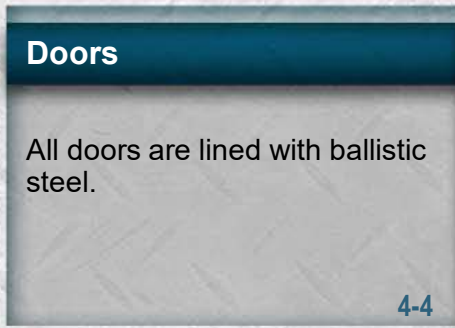
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Floor

Entire floor is lined with ballistic steel.

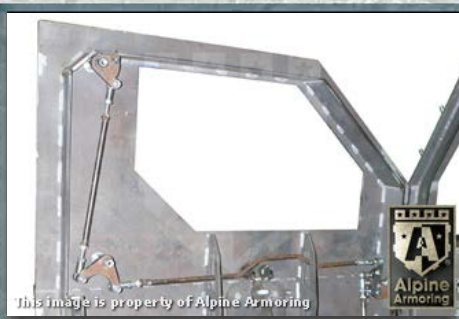
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Doors

All doors are lined with ballistic steel.

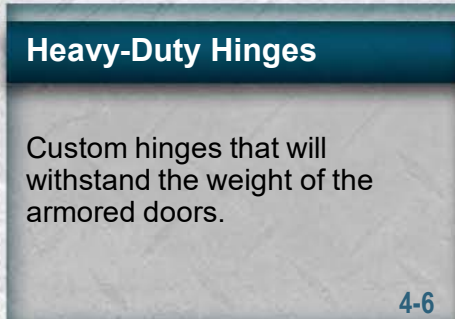
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Frames-Windows

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

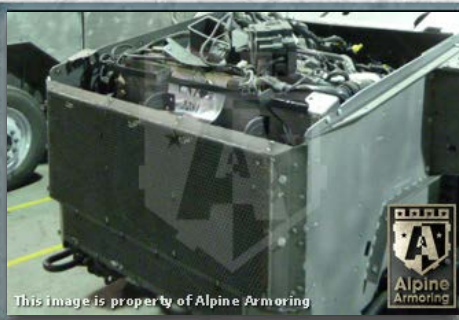
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Heavy-Duty Hinges

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

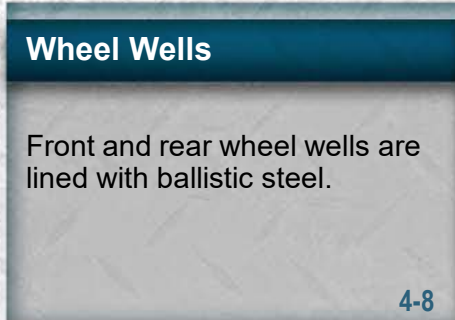
4-6



Engine Bay Protection

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

4-7



Wheel Wells

Front and rear wheel wells are lined with ballistic steel.

4-8





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Frame Construction

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

5-1

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5-2



Radiator Protection

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

5-3

Fuel Tank Protection

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

5-4



Heavy Duty Winch

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5-5

Text goes here

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5-6



Rear Door

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

5-7

Heavy-Duty Bumper

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

5-8





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Center 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.

6-1

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.

6-2



P.A./Multi-Siren System

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

6-3

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.

6-4



Suspension Upgrades

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

6-5

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6-6



Heavy-Duty Bull Bar

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

6-7

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6-8





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Exterior Running Boards

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

7-1



Rear Running Board

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

7-2



Jump Seats

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

7-3



Viewing Windows

A total of six (6) viewing windows are located in the rear cabin. There are three (3) on each side and one (1) on the rear door.

7-4



Front OEM Seats

This is the standard front seats option

7-5



Exterior Hand Rails

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

7-6



Manual Shift 4-Wheel Dr.

This is the optional manual shift 4-wheel drive.

7-7



Gun Ports

A total of eight (8) gun ports are installed on the vehicle. Three (3) are on each and two (2) on the rear door.

7-8



COMPLETED VEHICLE PHOTOS: EXTERIOR



8-1



8-2



8-3



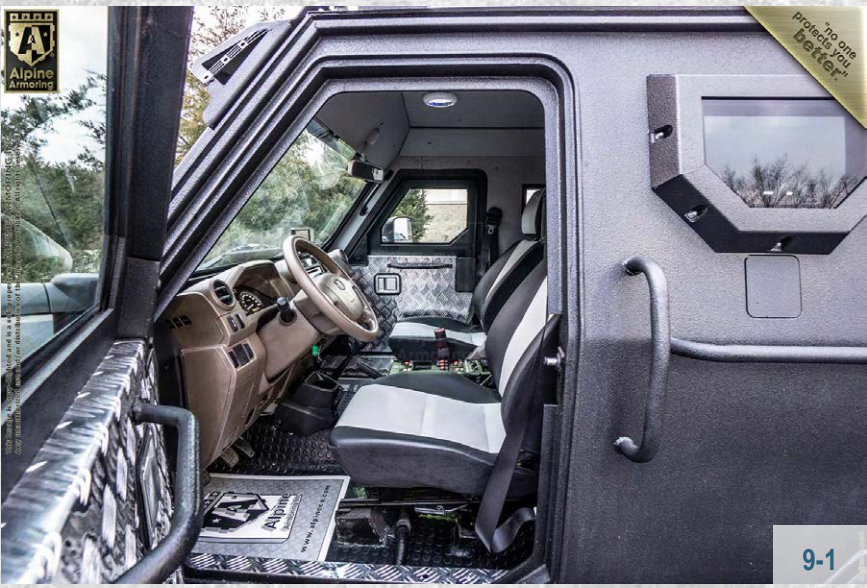
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9-1



9-2



9-3



9-4



COMPLETED VEHICLE PHOTOS: INTERIOR



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ADDITIONAL BALLISTIC TESTING



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Wounded museum attack victims are taken to nearby hospitals for treatment in Tunis, Tunisia on March 18. Gunmen opened fire at the Bardo Museum in Tunisia capital, killing 21 people including 17 tourists.





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ALPINE ARMORING'S BALLISTIC CHART

WEAPONS	SPECS			LEVELS					BULLETS			NUMBER OF SHOTS	
	TYPE	CALIBER (mm)	CLASS	STANAG	UL	ALPINE	NIJ	CEN	MASS (g)	MATERIAL	VELOCITY		
	.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	A5	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	5	
	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	3	
	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	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	

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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 1 of 2 required calibers of ballistic threat)



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WARRANTY

ARMORED APC CUDA

This vehicle, as proposed to the client in this quote, would be under Alpine Armoring's premium warranty covering all added 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 around the world against any and all related manufacturer's defects, including parts & labor.

MANAGEMENT AUTHORIZED
ALPINE ARMORING INC.
CHANTILLY, VIRGINIA, USA

DATE ISSUED

