

LANDCRUISER 78

B6 ARMORED



A B O U T B 6 A R M O R

B6 Armored Protection refers to the level of protection your vehicle has against bullets fired from rifles.

In a B6 armored vehicle, ballistic glass used in the vehicle's windows has been thickened to stop shots from AK-47s and assault rifles. Protective steel plates are used on the vehicle's doors to create an armored capsule around the vehicle.

These armored modifications and installations not only protect the vehicle and the people inside but also make the driving process of an armored vehicle easier than in the past, as it is not as heavy as it used to be.

B6 Armored Protection in vehicles protects the occupants from weapons such as AK-47 rifles, handguns, shotguns, and assault rifles. This means that it provides the highest level of protection and significantly enhances security.

B6 Armored Protection includes many additional features such as armored ceilings, intercom systems, run-flat tires, reinforced sunroof, and much more. When using B6 armored protection, there is also an option for additional security measures like pepper spray installation, live-streaming vehicle cameras, emergency lights, and more.

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BALISTIC PROTECTION

<p>High-power Rifle Protection</p> <p>CEN: B6+</p> <p>NIJ: III</p> <p>ANSI/UL: 5/8</p>		FMJ / RN / SC	1970	7.1g/110gr
	7.62x33mm / .30 Carbine			
		FMJ / PB / SCP1	3070	4.1g/63gr
	5.56x45mm (.223)			
		FMJ / PB / SC	2300	8g/123gr
	7.62x39mm			
		FMJ / PB / SC	2800	9.7g/150gr
7.62x51mm NATO (.308)				
	FMJ / PB / SC	2800	9.7g/150gr	
7.62x54mm				
	30.06 RN / SC	2500	14g/220gr	
7.62x63mm (.30-06)				

B6 armored protection is engineered to deliver formidable defense against an array of firearms, encompassing the weaponry outlined in the table. This multi-layered and advanced security system ensures the utmost safety and security of individuals situated within the vehicle, even in situations where potential threats may emerge from various angles and sources. This comprehensive safeguarding solution not only provides physical fortification but also grants occupants a sense of assurance and tranquility, knowing they are shielded against a spectrum of potential dangers.





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PROTECTION DETAILS

VEHICLE DESCRIPTION

Toyota Land Cruiser 78 Hard Top
Engine Type: 4.0L Gasoline, V6
Output, hp@rpm: 231@5200
Torque, Hm@rpm: 360@3800
Transmission: Manual

Opaque Armor (steel):

*The armor is fabricated entirely from welded ballistic-grade steel.

*The interior framework, also composed of ballistic-grade steel, serves to provide overlap and act as bullet catchers while offering supplementary protection to critical areas like doors and windows.

*The vehicle's armoring is meticulously designed to ensure that any projectile, whether traveling in a straight line or at an angle, cannot breach the interior without encountering the armored material. Furthermore, precautions have been taken to minimize the chances of a projectile entering the vehicle's interior due to a ricochet from the armored surfaces.



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PROTECTION DETAILS

Our vehicle will feature comprehensive perimeter armoring to ensure the safety of occupants. This includes protection for the roof and vertical surfaces, such as glass, firewall, doors, pillars, quarter panels, ballistic overlaps, and bulkhead, among others. Our armoring is designed to withstand NATO 5.56x45mm and 7.62x51mm rounds, meeting CEN EN-1522 and 1063 level B6 standards.

Specifically, we provide B6-level protection for doors, pillars, roof, firewall, battery, and electronic control unit (ECU). Our floor is blast-protected to withstand simultaneous detonation of two DM-51 hand grenades or equivalent explosive devices. The fuel tank(s) are also blast-protected against such detonations.

To further enhance protection, full-length ballistic steel is installed on both sides behind the vehicle's fenders, offering additional safeguarding for the engine compartment. All window and door openings are overlapped, with built-in bullet catchers in the door window area for added safety.

Door hinges and mounting points are reinforced as needed to prevent door sagging and any deformation of the door pillars. All materials used in vehicle construction are rigorously tested to meet the specified ballistic protection levels.

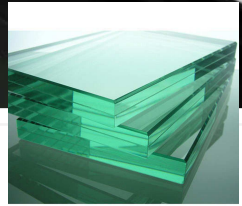
In terms of aesthetics, our commitment to maintaining the vehicle's original appearance is evident. OEM interior panels are modified as necessary and reinstalled wherever possible, preserving the vehicle's design while ensuring the re-upholstery of all ballistic areas with high-quality materials.



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PROTECTION DETAILS



Transparent Armor (glass):

The transparent armor used in this configuration meets the stringent CEN EN-1063 B7 ballistic protection standards, boasting a substantial 40mm thickness. This armored glass is meticulously installed in all window areas of the vehicle.

The windshield is a single, seamlessly curved piece of original equipment manufacturer (OEM) shaped ballistic glass.

The front doors also feature OEM-shaped curved ballistic glass, maintaining the vehicle's original design aesthetics.

In the case of rear doors, flat ballistic glass is discreetly placed behind the OEM glass, ensuring both security and discretion.

An anti-spall layer is integrated into the glass, offering protection against glass fragmentation upon impact.

The transparent armor is engineered to withstand multiple impacts, with a capability to withstand three consecutive shots without compromising its integrity.

Notably, this armored glass maintains the highest standards of optical quality, providing exceptional clarity with minimal distortion, thereby offering occupants an unobstructed and safe view of the surroundings.

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Our vehicle is equipped with a highly reliable run-flat tire system that ensures continued mobility in the event of a tire puncture. This system is certified and adheres to the rigorous NATO Finabel A.20.A (20.A.5) standard, underscoring its exceptional performance and durability.

All wheels, including the spare, are integrated with this advanced run-flat technology. In a case of puncture, our run-flat system empowers the vehicle to travel a substantial distance of up to 50 kilometers at a consistent speed of 50 kilometers per hour. This capability provides invaluable peace of mind, allowing occupants to reach safety or a designated service point without the immediate need for tire replacement.

This run-flat tire system not only enhances the vehicle's overall safety but also underscores our commitment to ensuring that our customers can rely on their vehicle's performance even in challenging and unexpected circumstances on the road. It's a critical feature that adds to the resilience and versatility of our vehicle, ensuring it can confidently navigate various terrains and conditions while maintaining operational readiness.

ADDITIONAL UPGRADE

+ The exhaust insert will prevent improvised explosive devices (IEDs) from being introduced into the vehicle's exhaust system, rendering the vehicle immobile or preventing it from accelerating at full power.

+Suspension components have been upgraded with a heavy-duty equivalent where necessary in order to equalize the additional weight.

