



ARMORED TOYOTA LAND CRUISER GXR

Typically Armored to Level A9/B6+ Against 7.62x39, 5.56x45, 7.62x51, M193, & M80 ball. Can be Armored to Any Level.



ALPINE ARMORING INC.

www.alpineco.com



BASE VEHICLE SPECIFICATIONS

MAKE: Toyota
MODEL: Land Cruiser GXR
YEAR: Brand New
ENGINE: 4.5L V8 Turbo Diesel
POWER: 217 hp @ 3,600 rpm
TRANSMISSION: 5-Speed Automatic
COLOR: Client's choice
INTERIOR: Fabric upholstery
SEATING: 2 + 3 + 2
ARMORED WEIGHT: 8,791 lbs. (3,987 kg.)



Wheelbase: 112 in. (284 cm)

Length: 195 in. (495 cm)



Height: 74 in. (188 cm)



Width: 78 in. (198 cm)



GENERAL ARMORING SPECIFICATIONS

A. Protection at Level A9/B6+, against high power rifles including 7.62x39, 5.56x45, 7.62x51, M193, & M80 ball

B. Opaque Armor (see page 4-5)

- 4 mm certified ballistic steel used throughout entire vehicle
- Everything from the floor to the battery and fuel tank are protected
- All doors have ballistic steel overlaps

C. Transparent Armor (see page 6)

- 40 mm multi-hit certified ballistic glass/polycarbonate
- Anti-spall layer
- Multi-layered design for maximum protection

D. Additional Features (see page 7)

- P.A./Multi-siren system
- Built-in intercom system
- Strobes lights mounted behind grill to maintain stock look
- Four (4) run-flat wheel inserts installed
- Tailpipe protection
- Suspension upgrades





DETAILED ARMORING SPECIFICATIONS

OPAQUE ARMOR

B. Protection at **Level A9/B6+**, against high power rifles including: **7.62x39, 5.56x45, 7.62x51, M193, & M80 ball**



Firewall

Ballistic steel firewall provides protection up front



Roof

Roof is lined with ballistic steel at an angle



Floor

Entire floor is lined with ballistic steel



Doors

All doors are lined with ballistic steel



Angle Shot Protection

B pillar reinforcement to protect from angle shots



Heavy Duty Hinges

Custom hinges that will withstand the weight of the armored doors



Fender Armoring

Front side fenders lined with ballistic steel



Wheel Wells

Front and rear wheel wells are lined with ballistic steel





DETAILED ARMORING SPECIFICATIONS

OPAQUE ARMOR Continued



Armor Overlaps

Overlaps are used for all doors and windows



Modified Glass Anchoring

Uses ballistic steel to provide enhanced blast survivability



Rear Partition

Ballistic steel rear partition with swing door on it, using heavy duty hinges to accommodate the added weight



Fuel Tank Protection

Fuel tank is encased in ballistic steel



Battery Protection

Battery is encased in ballistic steel



Engine Computer Protection

ECU is encased in ballistic steel



DETAILED ARMORING SPECIFICATIONS

TRANSPARENT ARMOR

C. All original glass is removed & replaced with NIJ certified multi-layered ballistic glass/polycarbonate



Glass Thickness
40 mm thick glass/polycarbonate



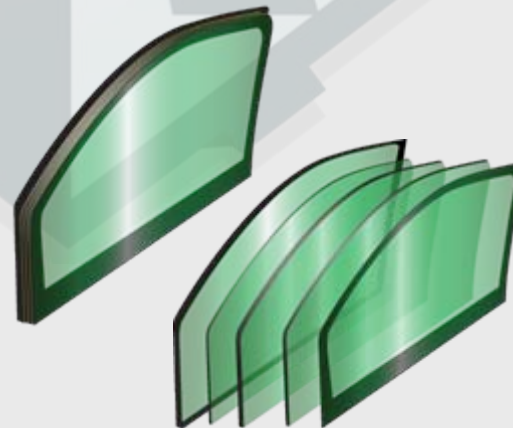
Multi-hit Protection
All windows are capable of sustaining multiple hits while providing protection to passengers



Anti-Spall
Anti-spall layer prevents glass fragments from penetrating into passenger cabin



Power Windows
Lowers approx. 5 inches



Layered Design
Layered glass and composites protect against multiple hits, providing more time to escape.
Multi-Layered High Optics
Factory tinted Glass/Polycarbonate

"no one protects you better"





DETAILED ARMORING SPECIFICATIONS

ADDITIONAL FEATURES

D. Other features included are pictured below



P.A./Multi-Siren System

Features exterior mounted speaker/siren. Interior dash-mounted quick select siren and microphone



Strobe Lights

Strobes are mounted behind the front grill to maintain a low-profile look



Intercom System

Allows driver to communicate with people outside of the vehicle without opening any windows



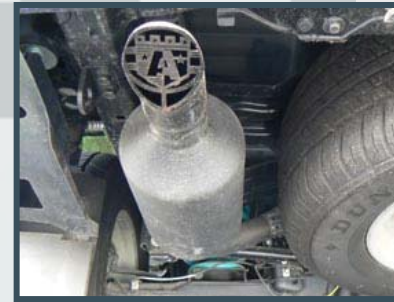
Intercom Microphones

Mini microphones are installed outside and in the cabin



Run-Flat Inserts

Four (4) run-flats installed. Rated for 50km/h (30 miles @ 30mph)



Tailpipe Protection

Protects exhaust pipe from being sabotaged



Suspension Upgrades

All springs and shocks are replaced with upgraded models



Reinforced Bumpers

Additional reinforcement mounted behind bumpers. Maintains low-profile look





GENERAL OEM SPECIFICATIONS

- Double Wishbone Front Suspension
- 4-Coil Rear Suspension
- Front/Rear Stabilizer Bars
- Alloy Wheels
- 285/65R17 Tires
- Fabric upholstery
- Anti-Lock Brakes (ABS)
- Brake Assist (BA)
- Electronic Brake Force Distribution (EBD)
- Anti Theft system (immobilizer)
- Power Door Locks
- Power side view mirrors
- Turn signal lamp on outer mirror
- Keyless entry (Smart Key)
- Engine start/stop button
- Radio, Cassette, 6-CD Changer
- 6 Speaker Stereo
- Front A/C: Automatic with controls
- Rear A/C: Manual
- Rear view mirror: Electro Chromic (EC)
- Compass
- Cruise control
- Front Fog lamps
- Rear Sensors
- Cool Box
- Front Bumper Protector
- Rear spoiler
- Floor Illumination
- Wooden Interior Trim
- Towing hitch with pintle hook
- Remote engine starter
- Trunk Liner
- HID Head light for high beam only





COMPLETED VEHICLE

EXTERIOR-INTERIOR PHOTOS



"no one
protects you
better"





ALPINE'S BALLISTIC CHART

ALPINE ARMORING INC.

LEVEL	CALIBER	TYPE	WEAPON	BULLET	STANDARDS	MASS (gram)	MATERIAL	VELOCITY m's (ft's) (a)	SHOTS	UL (b)	NIJ (f)	CEN	DIN
A1	9 x 19 mm	Handgun (Pistol)		8	LCCJ	358 (1,175)	5 (e)	1	I, IIA, II	—	1		
A2	.357 Magnum	Handgun (Pistol)		10.2	JSP	430 (1,410)	5 (e)	2	IIA, II	B1, B3	2		
A3	.44 Magnum	Handgun (Revolver)		15.6	LWC	440 (1,443)	5 (e)	3	IIIA	B4	3		
A4	9 x 19 mm	Sub-machinegun		8	LCCJ	427 (1,400)	5 (e)	6	IIIA	B2	—		
A5	7.62 x 25 mm	Handgun (Tokorev)		5.5	LCSJ	488 (1,600)	5 (e)	—	—	—	—		
A6	7.62 x 39 mm	AK-47 (HP Rifle)		9.7	SCCJ (d)	732 (2,400)	5 (e)	—	—	—	—		
A7	.30 - 06	HP Rifle		11.7	JSP	774 (2,540)	5 (e)	4	—	—	—		
A8	5.56 x 45 mm	HP Rifle (M-16)		3.6	LCCJ (d)	991 (3,250)	5 (e)	7	—	B5	4		
A9	7.62 x 51 mm	HP Rifle / M193		9.7	LCSJ (d)	838 (2,750)	5 (e)	5, 8	III	B6	5		
A10	.30 - 06	HP Rifle		10.8	AP (d)	869 (2,850)	3 (e)	—	IV	B7	—		
SG	12 Gauge	Shotgun		28.3	Slug	503 (1,650)	3 (c)	SG	—	SG2	SG2		

- UL:** Underwriters Laboratory, 752
- NIJ:** National Institute of Justice, 0108.01
- CEN:** European Standard
- DIN:** German Standards, 52290
- STANAG:** NATO

- 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
- (A)** Minimum Measured Velocity
- (B)** Ambient Temperature Only
- (C)** 11.4 cm Triangular Pattern
- (D)** Military Ammunition, All Other Commercial
- (E)** Corners & Center of 11.4 Square Pattern
- (F)** Levels I, II, IIA & IIIA based on 1 of 2 Required Calibers of Ballistic Threat

"no one protects you better"





★ WARRANTY ★

TOYOTA LAND CRUISER GXR

The vehicle above is under Alpine's premium warranty covering all its armored parts and labor as well as all added accessories for one full year, effective the date of final delivery to the client.

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

MANAGEMENT AUTHORIZED
ALPINE ARMORING INC.
HERNDON, VIRGINIA, USA

DATE SIGNED

