

ARMORED 2021 TOYOTA 4RUNNER 4X4 TRD

TOYOTA RACING DEVELOPMENT
TRD
OFF
ROAD



LEVEL A9

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



VEHICLE SPECIFICATIONS

BASE CHASSIS SPECIFICATIONS

MAKE:	Toyota
MODEL:	4Runner 4x4 TRD V6
YEAR:	2021
ENGINE:	4.0L DOHC 24-Valve V6
POWER:	270 hp & 278 Torque LB-FT
TRANSMISSION:	5-Speed W/ECT-1 Automatic
TIRES:	22 in (W/Run-Flat System)
COLOR:	Lunar Rock Solid Black
INTERIOR:	Black TRD PRO package
SEATING:	2 + 2 + 3
APPROX. WEIGHT:	6,630 lbs. (3,007 kg)



HEIGHT:
72 in.
(182 cm)

WIDTH:
76 in.
(193 cm)

LENGTH:
191 in.
(485 cm)

WHEELBASE:
110 in.
(279 cm)

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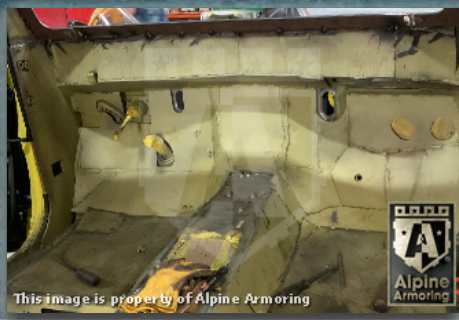




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Firewall

Ballistic steel or composite material firewall provides protection from explosion and different angle of attacks.

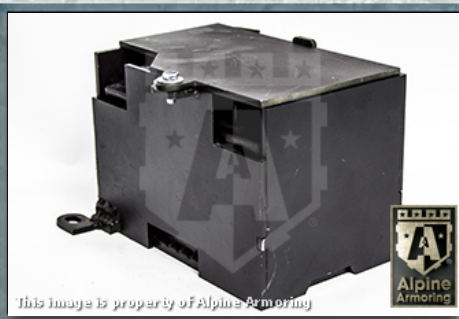
3-1



Floor

Floor is lined with ballistic steel or composite to protect against mines and grenade blasts.

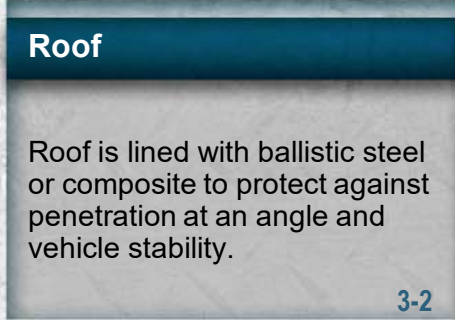
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Battery Protection

Fully enclosed in serviceable ballistic steel casings.

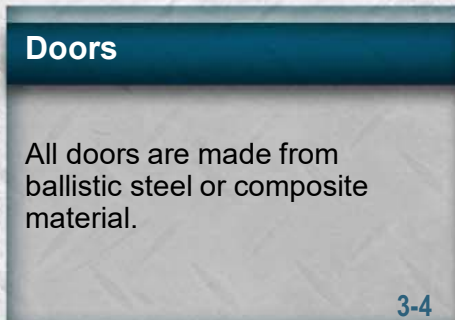
3-5



Roof

Roof is lined with ballistic steel or composite to protect against penetration at an angle and vehicle stability.

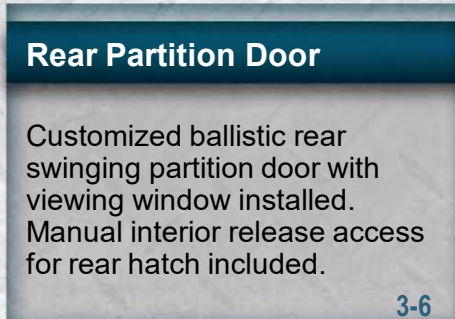
3-2



Doors

All doors are made from ballistic steel or composite material.

3-4



Rear Partition Door

Customized ballistic rear swinging partition door with viewing window installed. Manual interior release access for rear hatch included.

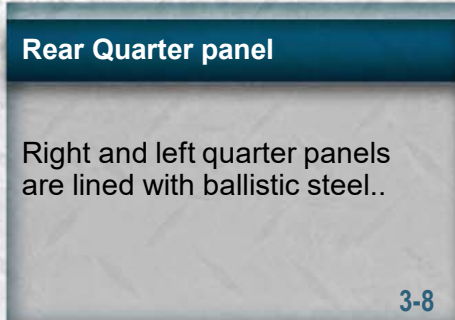
3-6



Overlaps

All doors and windows feature ballistic steel overlaps to keep shrapnel from angle shots from entering the cabin.

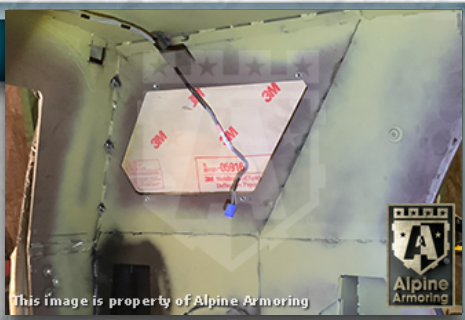
3-7



Rear Quarter panel

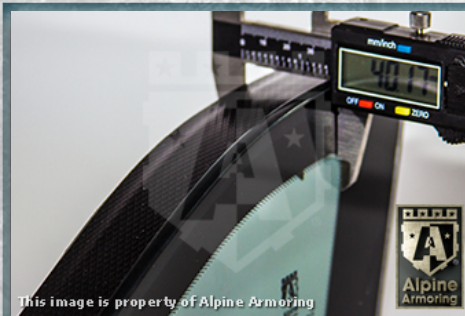
Right and left quarter panels are lined with ballistic steel..

3-8





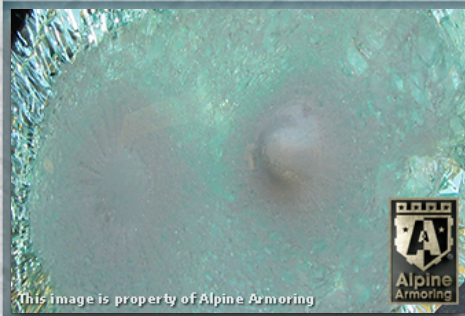
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Glass Armor

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

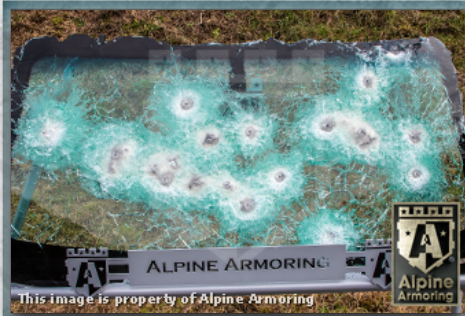
4-1



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.

4-2



Multi-Hit Protection

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

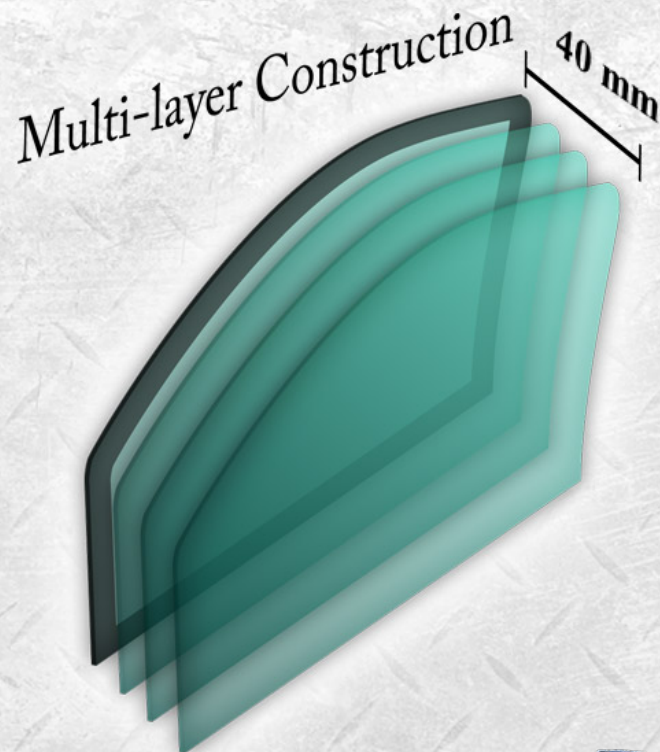
4-3



Customized Actuators

The front 2 windows are equipped with special custom-designed heavy duty actuator mechanism to allow for faster and quieter operation with maximum traveling distance.

4-4





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P.A./Multi-Siren System

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

5-1



Battery Protection

The battery is encased in a ballistic steel box to protect it.

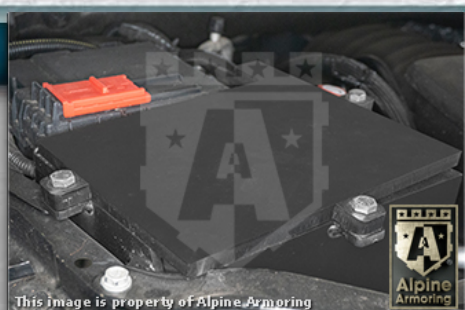
5-5



Power Windows

The front driver and passenger window are powered and lower approximately 4 - 6 inches.

5-2



Fuse Box Protection

The fuse box is protected by a ballistic steel box.

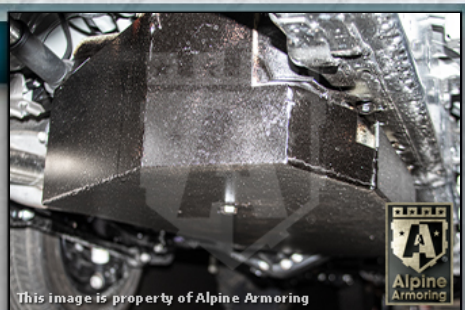
5-6



Rear Door Partition

Added center gunport and manual interior release access for rear hatch included.

5-3



Fuel Tank Protection

Fuel tank is protected by a ballistic steel box. Protects from two simultaneous grenades.

5-7



Run-Flat Inserts

Vehicle will be equipped with full-size run-flat inserts in each tire.

5-4



Tailpipe Protection

The tailpipe features a special mesh that prevents the tailpipe from being sabotaged.

5-8





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Upgraded Braking

The vehicle's braking system (rotors & pads) will be upgraded to accommodate the added armor weight.

6-1

Sunroof Delete

Following Items will be deleted upon completion:

- Sunroof/Moonroof

6-5



Ballistic Door Overlap

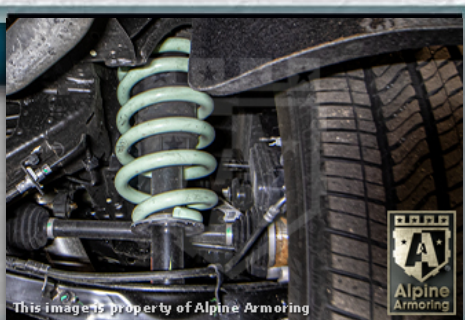
Each door is equipped with ballistic steel overlap with added custom bullet-catchers wrapped in high quality leather or vinyl.

6-2

Upgrade Suspension

The vehicle's suspension (HD Coils) will be upgraded to accommodate the added armor weight, along with chassis reinforcement as deemed necessary .

6-6



OEM Appearance

The exterior of the vehicle with the VIP Armoring conversion will maintain the OEM appearance of the factory vehicle.

6-3

Rear Quarter Glass

The rear quarter panel of the vehicle is reinforced with ballistic glass.

6-7



P.A./Multi-Siren System

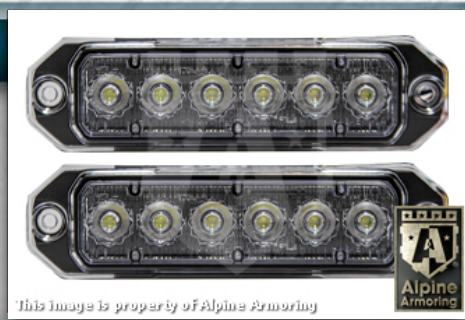
Located on the center console. The multi-siren features standard siren tones, volume adjustment, and a public address system.

6-4

Emergency Lights Package

Alpine will install flashing Red/Blue LED lights hidden in the front grille and wired to the PA controller.

6-8





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7-1



7-2



7-3



7-4



7

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COMPLETED VEHICLE PHOTOS: EXTERIOR



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COMPLETED VEHICLE PHOTOS: INTERIOR














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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 TOYOTA LAND CRUISER TRD

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

