

ARMORED 2021 TOYOTA 4RUNNER 4X4 TRD

TOYOTA RACING DEVELOPMENT
TRD
OFF
ROAD



LEVEL A9/B6+

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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2

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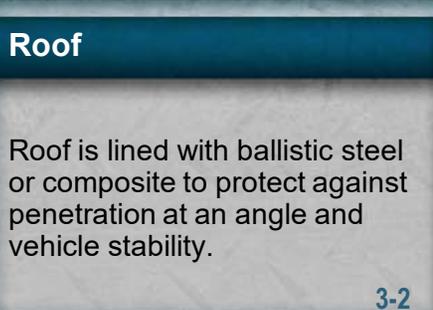
"no one protects you better."



Firewall

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

3-1



Roof

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

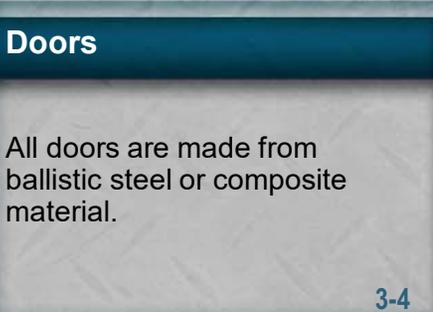
3-2



Floor

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

3-3



Doors

All doors are made from ballistic steel or composite material.

3-4



Battery Protection

Fully enclosed in serviceable ballistic steel casings.

3-5



Rear Partition Door

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

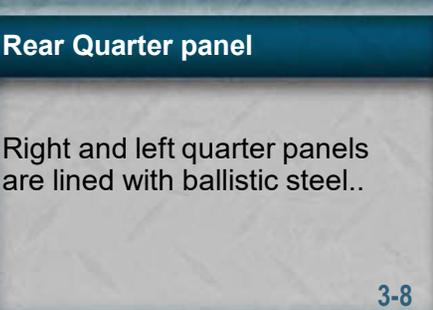
3-6



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 A11/B7/NIJ IV transparent armor installed on the vehicle.

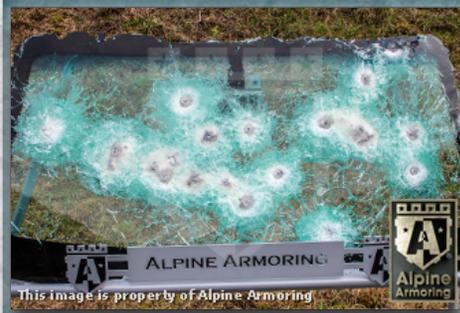
4-1



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.

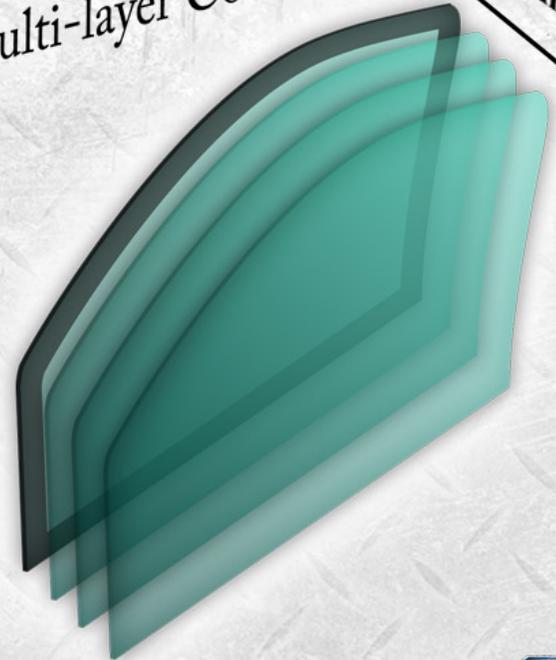
4-3



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

Multi-layer Construction 40 mm





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5
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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.

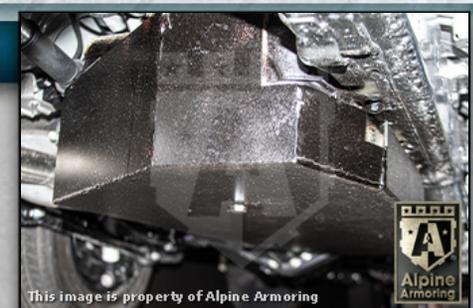
5-6



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



Ballistic Door Overlap

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

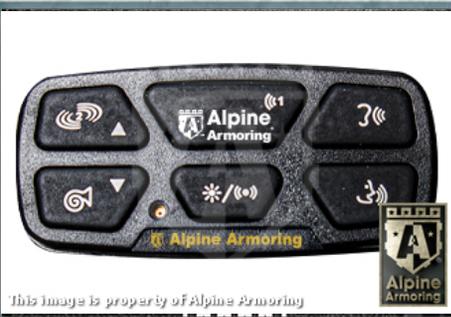
6-2



OEM Appearance

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

6-3



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

WiFi/HotSpot/Sunroof Delete

Following Items will be deleted upon completion:

- Sunroof/Moonroof

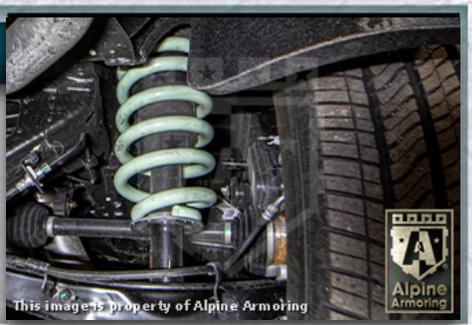
6-5



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



Rear Quarter Glass

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

6-7



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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COMPLETED VEHICLE PHOTOS: EXTERIOR



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8-1



8-2



8-3



8-4



8

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COMPLETED VEHICLE PHOTOS: INTERIOR



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9

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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 both the OEM and the entire conversion parts including all 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

