



## **ARMORED TOYOTA SEQUOIA SR5, LIMITED, & PLATINUM**

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](http://www.alpineco.com)



BASE VEHICLE SPECIFICATIONS



TOYOTA SEQUOIA SR5 4WD

**YEAR:** Brand New  
**ENGINE:** 5.7L V8 Gasoline  
**POWER:** 381 hp @ 5600 rpm  
**TRANSMISSION:** 6-Speed Automatic  
**COLOR:** Black  
**INTERIOR:** Fabric Upholstery  
**SEATING:** 2 + 3 + 3  
**WEIGHT:** 7,790 lbs. (3,533 kg.)  
**HEIGHT:** 77 in. (196 cm)  
**WIDTH:** 80 in. (203 cm)  
**LENGTH:** 205 in. (521 cm)  
**WHEELBASE:** 122 in. (310 cm)



TOYOTA SEQUOIA LIMITED 4WD

**YEAR:** Brand New  
**ENGINE:** 5.7L V8 Gasoline  
**POWER:** 381 hp @ 5600 rpm  
**TRANSMISSION:** 6-Speed Automatic  
**COLOR:** Black  
**INTERIOR:** Leather Upholstery  
**SEATING:** 2 + 3 + 3  
**WEIGHT:** 7,790 lbs. (3,533 kg.)  
**HEIGHT:** 77 in. (196 cm)  
**WIDTH:** 80 in. (203 cm)  
**LENGTH:** 205 in. (521 cm)  
**WHEELBASE:** 122 in. (310 cm)



TOYOTA SEQUOIA PLATINUM 4WD

**YEAR:** Brand New  
**ENGINE:** 5.7L V8 Gasoline  
**POWER:** 381 hp @ 5600 rpm  
**TRANSMISSION:** 6-Speed Automatic  
**COLOR:** Black  
**INTERIOR:** Leather Upholstery  
**SEATING:** 2 + 2 + 3  
**WEIGHT:** 7,790 lbs. (3,533 kg.)  
**HEIGHT:** 77 in. (196 cm)  
**WIDTH:** 80 in. (203 cm)  
**LENGTH:** 205 in. (521 cm)  
**WHEELBASE:** 122 in. (310 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 6-7)

- 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 8)

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

**D. Additional Features** (see page 10-11)

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





## DETAILED ARMORING SPECIFICATIONS

### OPAQUE ARMOR

A. 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

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



**Glass Thickness**  
40 mm thick glass/polycarbonate



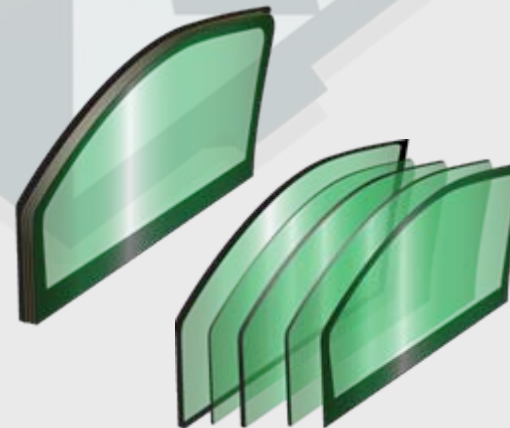
**Multi-hit Protection**  
All windows are capable of sustaining multiple hits while providing protection to passengers



**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**

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

"no one protects you better"





### GENERAL OEM SPECIFICATIONS

EXTERIOR	SR5	LIMITED	PLATINUM
Multi-reflector halogen headlamps	S	S	S
Integrated fog lamps	S	S	S
Chrome front grill	S	S	S
Color-keyed front grill	P	-	-
Color-keyed power heated outside mirrors	S	-	-
Chrome power auto-dim heated folding side mirrors	-	S	-
Chrome power auto-dim heated folding reverse tilt side mirrors	-	-	S
Color-keyed door handles	S	-	-
Chrome door handles	-	S	S
Multi-Mode 4WD system	O	O	O
Engine and transfer case skid plate	S	S	S
18-in. alloy wheels with P275/65R18 tires	S	-	-
20-in. Sport alloy wheels with P275/55R20 tires	P	-	-
20-in. alloy wheels with P275/55R20 tires	-	S	-
20-in. diamond-cut-finish alloy wheels with P275/55R20 tires	-	-	S
Power liftgate with jam protection	-	S	S
Color-keyed rear spoiler with LED stop light	S	S	S
Roof rack	S	S	S
Running boards	S	S	S
Front and rear mudguards	S	S	S
Tow hitch receiver and wiring harness	S	S	S
INTERIOR	SR5	LIMITED	PLATINUM
Three-zone automatic front/rear climate control	S	S	S
AM/FM/CD/MP3/WMA/iPod 8-Speaker stereo	S	-	-
JBL Synthesis AM/FM/CD/MP3/WMA/iPod Stereo	-	S	-
Touch-screen DVD/NAV/AM/FM/CD/MP3/WMA/iPod Stereo	-	O	S
Backup Camera	-	O	S
Multi-Information	S	S	S
Rear-seat 9in. DVD entertainment system	-	O	S
Fabric 8-way power-adjustable driver's seat	S	-	-
Fabric 4-way power-adjustable passenger's seat	S	-	-
Leather heated 10-way power-adjustable driver's seat	P	S	-
Leather heated 4-way power-adjustable passenger's seat	P	S	-
Leather heated/ventilated 12-way power-adjustable driver's seat	-	-	S
Leather heated/ventilated 4-way power-adjustable passenger's seat	-	-	S
Fabric-trimmed 40/20/40 split second-row seat	S	-	-
Leather-trimmed 40/20/40 split second-row seat	P	S	-
Perforated leather-trimmed second-row heated captain's chairs	-	-	S
Cruise control	S	S	S
Dynamic Laser Cruise Control (DLCC)	-	-	S
Leather-trimmed tilt/telescopic steering wheel	S	S	S
Analog dashboard instrumentation	S	-	-
Optitron dashboard instrumentation	-	S	S
Multi-function remote keyless entry system	S	S	S
Power door locks	S	S	S
Auto-dimming rearview mirror w/ compass	-	-	S
Auto-dimming rearview mirror w/ backup camera monitor	P	S	-
Cargo area 12V auxiliary power outlet	S	S	S



S = Standard O = Optional - = Not Available P = Feature is available as part of an option package

"no one protects you better."





COMPLETED VEHICLE

EXTERIOR-INTERIOR PHOTOS



"no one  
protects you  
better"





# ALPINE'S BALLISTIC CHART

ALPINE ARMORING INC.

LEVEL	CALIBER	TYPE	MASS (gram)	MATERIAL	VELOCITY m's (ft's) (a)	SHOTS	STANDARDS			
							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

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# ★ WARRANTY ★

## TOYOTA SEQUOIA

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

