



Armoured Vehicle

Type

Made in

Quality standard

SVOS

Land Cruiser 200

Czech Republic

ISO 9001:2008



SVOS Armoured Land Cruiser 200

vehicles



armoured



SVOS armoured Land Cruiser 200 is a unique combination of comfort and design with fully armoured passenger compartment. The vehicle offers tested and certified ballistic and explosives protection ("ballistic laboratory proven") and superb driving characteristics under any climatic conditions.

This SUV (Sport Utility Vehicle) is a representative of well balanced vehicle which is armoured in a discreet outfit and retains dynamic and powerful performance even after weight increase.

The superb mixture of heavy-duty elements of the vehicle together with creative and effective interior creates highly developed way of transportation.

The vehicle and its offroad performance allows you to reach any rough terrain all over the World and enjoy comfort of a safe ride as well. SVOS armoured Land Cruiser 200 fulfills any demand for armoured utility SUV vehicle.

„We change sense of security to the certainty”



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Technical Data Sheet

Base vehicle: Toyota Land Cruiser V8 / Toyota Land Cruiser 200
(Right/Left hand drive)

Engine:	Diesel Engine	Petrol engine
Transmission:	Automatic	Automatic
Cylinder Layout:	V8 Cylinder	V8 Cylinder
Displacement:	4,461 ccm	4,664 ccm
Cam/Valves:	32-valve DOHC	32-valve DOHC
Power, hp (kW) @rpm:	286hp (210kW) @ 3,600 rpm	288hp (212 kW) @ 5,400 rpm
Power, hp (kW)@rpm: (non-EU Specification)	217hp (160 kW) @ 3,600 rpm	271hp (199 kW) @ 5,400 rpm
Torque, Nm@rpm:	650Nm @ 3600rpm	445 @ 3400rpm
Torque, Nm@rpm: (non-EU Specification)	430 Nm @ 3,600rpm	410 Nm @ 3,400rpm
Electrical equipment:	100 amp Dual Optima gel battery	100 amp Dual Optima gel battery
Four wheel drive:	4WD with limited slip differential	4WD with limited slip differential
Payload:	530kg	630kg
Fuel tank capacity:	93L + 45L	93L + 45L



Suspension

Because of a rapid weight increase, SVOS engineers specially developed new suspension components, which are adjusted and reinforced to keep driving conditions and characteristics of the original vehicle.

Brake system

The original brake system parts are replaced with special reinforced parts to perform effective braking conditions.

Door pillars

Original vehicle pillars are reinforced according to SVOS engineering development to carry the overweight of the ballistic glasses and moreover to resist the side blast.

Hinges

The original hinges are replaced with special SVOS designed and developed hinges to carry the overweight of reinforced vehicle doors.

Window frames

The window frames are strategically reinforced to hold ballistic glasses in a stabile position because of an improved resistance against side blast attack. SVOS has independently engineered and developed this construction providing that glasses will resist the compression wave and will not enter the passenger area.

Run-Flat system

All rims (including spare wheel) are fitted with a Run-Flat system that allows a vehicle to escape out of the danger area up to 50 km in a case of tyre perforation or defect.





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Ballistic and Explosive Protection

SVOS armoured Land Cruiser 200 provides fully armoured passenger compartment in a required ballistic level. The vehicle is fully tested and certified from a point of ballistics and even explosives by reputable ballistic laboratories. All materials regarding vehicle armoring modification are constantly tested and certified as well.

2x DM 51 hand grenades



1x DM 31 land mine
2x DM 51 hand grenades



SVOS is aware of this fact, the continuous certified testing is the significant part of our development and engineering.

SVOS armoured vehicle is protected in discreet manner that doesn't have any impact on outside appearance of vehicle using. The armoring process "shell-in-the-shell" technology plus the ballistic glasses covers the passenger compartment to keep personnel safe.

The vehicle moreover contains both ballistically and explosive tested and certified additional armoring and protection of all significant parts that will keep vehicle operable - batteries, engine control unit, fuel tank.

The vehicle floor and roof was successfully tested and certified against the detonation of up to two DM 51 hand grenades (floor also against land mine DM 31), on the ground directly under the vehicle and directly sited on the roof.



SIDE BLAST AND IED PROTECTION

"Only the testing experience can transform the theoretical background of armoring to the effective resistant armoured vehicle that is able to save lifes."

Due to continuous development and improvement of SVOS armoring technology, SVOS armoured Land Cruiser 200 can optionally withstand a side of high level of ballistic protection also full package of side blast and IED protection. The vehicle has been tested and certified against side blast of 15 kg of TNT and against improvised explosive device „IED“ simulated by land mine DM31 and mortar grenade type 81 mm HE.

Mortar bomb
81 mm



15 kg TNT



Anti-personnel
mine DM 31





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Standard equipment and Options

Standard equipment:

- Completely armoured passenger area
- Bullet - resistant glasses
- Armoured accumulator batteries
- Armoured engine control unit
- Armoured fuel tank
- Reinforced window lifters (front doors)
- Dual optima gel battery
- Tinted windows
- Intercom system



Options:

- Front / rear bullbar
- Mesh light protection
- Electrical winch
- Fire suppression system of engine / fuel tank
- NBC filter - ventilation system
- Bomb jammer system
- Radio - communication device installation
- Emergency roof hatch
- etc.



Additional options are individually solved
to suit any client

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