

BULLETPROOF and BLASTPROOF WAGON

# ARMORED LANDCRUISER

Base vehicle : TOYOTA LANDCRUISER LC-200

Ballistic protection level : B-4/B-6



TOYOTA LANDCRUISER LC-200



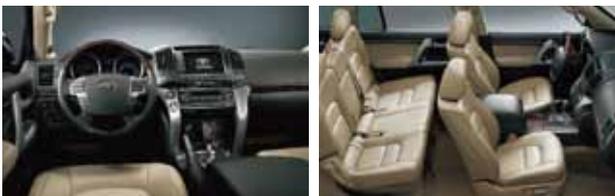
## ARMORED LANDCRUISER Passenger type

LC-200VX LC-200AX (4.7L Gasoline•4.5L Diesel) (LHD•RHD)



## ARMORED LANDCRUISER Standard type

LC-200GX (4.0L Gasoline•4.5L Diesel) (LHD•RHD)



LX570/LC-200(U.S.)/LC-200AX-G : leather seats VX/AX : Fabric seats GX:PVC leather seats

# SUV-Type Multi-Purpose 4WD Armored Vehicle

Based on the new Toyota Landcruiser, this highly reliable 4WD armored vehicle offers bulletproof and blastproof specifications with a reinforced body and an improved suspension. With excellent gas mileage and low risk of mechanical failure, the Landcruiser is the stable off-road vehicle used in mass quantities by the United Nations and many governments.

From the streets of New York to the sands of the Sahara, this vehicle blends into the landscape without being conspicuous, offering confidence and trust on tough rides, from high-speed freeway cruising to off-road in a jungle. The outer appearance of the vehicle does not give any hint of its bulletproof specifications.

## Levels of Ballistic Resistance

With many variations available, the provided protection level and special equipment can be selected according to your country, region, and security situation.

- ❶ **S-TYPE** Street Crime (B-4 Hand Gun)
- ❷ **V-TYPE** VIP & Anti-kidnapping (B-4 Hand Gun)
- ❸ **G-TYPE** Government, Military, Police, Ambassador (B-6 Assault rifle)
- ❹ **C-TYPE** Conflict areas, Government spec + Explosion proof (B-6 Assault rifle+ Explosion DM51)



- ❶ Batteries and computer are stored in a bulletproof case. The photo was taken when a lid was removed.
- ❷ Bulletproof window glass is so designed and processed so as to fit to the overlapping panels mounted to pillars. When a door is closed, the cushion of overlapping panels will absorb the shock of heavy bulletproof glass. Our extra process is added to prevent break of the glass as much as possible even at the time when the door is swiftly closed.
- ❸ Finishing of both bulletproof window glass at the 3rd seat row and ceiling trim
- ❹ Bulletproof rear bulkhead
- ❺ Firewall : Bulletproof partition
- ❻ The fuel tank is protected with a bullet-proof and explosion-proof cover. The whole underfloor functions as a protector by prevention from invasion of fragments and blast caused by explosion of "DM51" grenades which NATO force uses.
- ❼ Bulletproof window glass and bulletproof doors fit to a vehicle body snugly without any positional displacement or deformation. As there is no crevice or space in glass or weather strips (door gaskets), not a bit of rain water invades into a vehicle even if it is in a car washing machine.
- ❽ Bulletproof door with over lay system

Length × width × height : 4950×1970×1870mm  
Engine : 1UZ-FE  
Total displacement : 4608L  
Maximum output : 234kW(318PS)/5,600r.p.m.  
Maximum torque : 460N · m(46.9kgf · m)/3,400r.p.m.

# ARMORED LANDCRUISER LC-200

## Ballistic Level B-4/B-6(B-7 Special order)



### SPECIFICATION (Standard)

- ① **Cabin** : integrated bulletproof compartment made of special steel comprising doors, a body fire wall, a roof and others.  
( Incident angle : Roof 60°Others 90°)
- ② **Window glasses** : All glasses to be changed to bulletproof glasses for protection against bullets and blast  
(As per Japanese specifications which meet with Japan's automobile inspection standard)
- ③ **Opening parts** : An overlapped bulletproof panel is installed in a boundary part between a door and a body
- ④ **Blast-proof floor** : Explosion-proof blanket made of Kevlar or ballistic steel. Protection against grenade blast and fragments
- ⑤ **Armoring of fuel-tanks**
- ⑥ **Dry cell batteries** or armoring of batteries and ECU
- ⑦ **Run Flat System** : Forced drive running can be maintained even if a tire goes flat in a place
- ⑧ Replacement of **door hinges** by high strength parts as well as reinforcement of pillars and door hanging sides
- ⑨ Change of a **suspension and shock absorbers** to high strength parts as well as reinforcement of mounting portions
- ⑩ Change of break pads to high strength parts
- ⑪ **Bulk Head** ※Landcruiser only (Armoring of an upper/lower divided type door is an option)
- ⑫ A driver-door window glass is vertically movable by a high power lifter
- ⑬ **Intercom** : a system which enables you to communicate with outside without opening a bulletproof window or door.

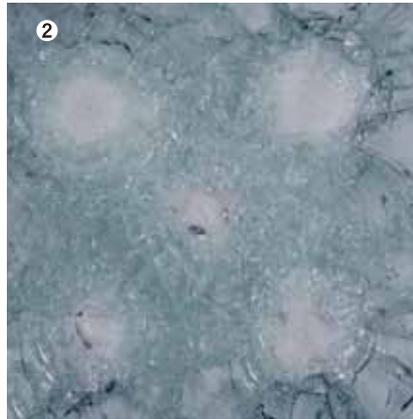
### OPTIONS

- Security system : To protect valuable vehicles from theft. To prevent unmanned vehicles from illegal work and fraudulent trick.
- Strobe light & Electronic siren : To alert the people in the vicinity to abnormality. To be used for emergency escape.
- Microphone & Speaker : To notify outside with a speaker without passengers getting off a vehicle carelessly
- Automatic fire extinguishing system : A fire caused by gunshot or explosion which breaks out at engine compartment will be automatically extinguished.
- Lights out system : In the case of emergency escape or driving at night, all the lights inside and outside will be put out and a night vision goggle, etc. will come to be usable.
- Invisible infrared light : To be used together with a night vision device during night covert vehicle running
- Drive recorder : To record images of the front, rear and inside (Video 4 cH, Audio 1cH) using a DVR(Digital Video Recorder) with a built-in HDD and water- proof cameras operational both for day and night.
- GPS navigation system : To locate the car on the map and to make a route guidance to the destination using the global positioning system
- Reserve fuel tank : Some models (VX•GX) have reserve fuel tanks installed.  
In case reserve fuel tanks are mounted to vehicles other than above two models at a later time, the vehicle mfr.'s prior confirmation is required for trouble prevention.
- Fog lamp & Reinforced front bumper (Kangaroo bar•Ram bumper, etc) : Roof rail / Roof carrier
- Electric winch & Trailer hitch & Side step : For installation of wireless machines, wiring, antenna bracket work, and others

**KEVLAR BLANKET UNDER BODY PROTECTION  
AGAINST DM51 HANDGRENADE FRAGMENTATION**

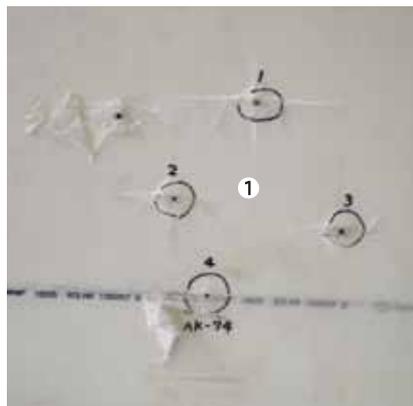


**“Shooting test samples required to get “EN-B6/NIJ-III+ Ballistic Resistant Performance Certification”**



**1 Ballistic steel**  
EN-B6 / NIJ-III  
7.62×51mm NATO (M80)  
5 shots from distance 15m

**2 Ballistic resistant glazing**  
EN-B6 / NIJ-III  
7.62×51mm NATO (M80)  
5 shots from distance 15m



**Ballistic steel**

Private test

- 1** M16  
5.56×45mm M855/SS109
- 2** M240 Light machine gun  
7.62×51mm NATO (M80)
- 3** AK-47  
7.62×39mm China-ball  
FMJ Steel Jacket

**Ultra-lightweight bulletproof material  
(DYNEEMA)**

Private test

Distance 15m

- 1** AK-47  
7.62×39mm China-ball  
FMJ Steel Jacket

**Real test of door**

## BALISTIC LEVEL

NIJ	EN	UL	BULLET	GUNS	
III	B6	4 5 7 8	 5.45×39mm MSJ RUSSIA 890m/s	 AK74	
			 5.56×45mm FMJ 960m/s	 M16series	
 7.62×51mm FMJ 853m/s	 M700 sniper				
 7.62×54mmR FMJ 835m/s	 Dragnov SVD				
	B5		 7.62×39mm MSJ 740m/s	 AK47	
IIIA II IIA I	B4	1 2 3 6	 .44 Magnum 450m/s	 Bereta  9×19mm Prabellun FMJ 390m/s	 Tokarev  7.62×25mm MSJ 420~480m/s
			 DN51 Handgranade		

NIJ 0108.01 : National Institute of Justice Ballistic Standards  
 EN 1063 : European Ballistic Standards  
 UL 752 : Underwriters Laboratory Ballistic Standards

Live shell test on a lightly-armored vehicle (pistol level) door by M240 (30 caliber) and AK47

