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Toyota Land Cruiser GXR



Technical Specs: **All Technical Specs are before vehicle armoring**
[Photo Gallery](#) | [Maintenance Center](#) | [Request for Quotation](#) | [Warranty Claim](#)
Engine

Standard Engine	4.5L V8 (2005 Model)
Standard Transmission	5 Speed Manual / 4 Speed A/T
Cylinders	8
Horsepower @ RPM	240@4600
Fuel Economy Cty/Hwy	13 / 17
Combined Fuel Economy	14



Engine Continued

EPA Class	Four Wheel Drive SUV
Number of Valves	32
Torque @ RPM	41.5kg - m/3600 rpm
Fuel Type/System	Gas Engine / Electronic Fuel Injected / Diesel Engine
Turbo (yes/no)	No
Overdrive Transmission	Yes
Battery Output	N/A
Compression	9.6
Displacement	4664 / 285
Bore X Stroke	3.70x3.31
Cruising Range	355.6
Final Drive Gear Ratio Opt	N/A
Power To Weight Ratio	22.9
Final Drive Ratio	4.10
Valves Configuration	Dual Overhead Cam/Twin Overhead Cam
Supercharged	No
Electric HorsePower RPM	N/A
Electric Torque Feet Per Pound	N/A
Electric Torque RPM	N/A
Electric HorsePower BHP	N/A

Capacity & Volume

Cargo Volume (EPA)	N/A
Cargo Volume (MFR)	20.8
Fuel Capacity	25.4
Passenger Volume (EPA)	N/A
Passenger Volume (MFR)	135.2
Box/Cargo Height	42.7
Box/Cargo Length	46.3
Box/Cargo Width (Wheel)	42.6
Box/Cargo Width (Wall)	58.1
GVWR Standard	6860
GVWR Maximum	6860
Payload Standard	1470
Payload Maximum	1470



Brakes, Steering, Suspension & Tires

Brakes (Front)	Disc
Brakes (Rear)	Disc
Driveline	Four Wheel Drive Full Time
Driveline (Opt)	N/A
Steering	Rack & Pinion
Steering Diameter Left	39.7
Steering Diameter Right	39.7
Suspension (Front)	Independent
Suspension (Rear)	Live
Tire Type	Passenger
Tire Width	275
Tire Aspect Ratio	60
Tire Construction	Radial
Tire Wheel Diameter	18

Interior Dimensions

Seating (Standard)	8
Seating (Optional)	N/A
Tow Capacity (Standard)	6500
Tow Capacity (Maximum)	6500
Headroom (Front)	39.2
Headroom (Row 2)	39.1
Hiproom (Front)	58.6
Hiproom (Row 2)	57.9
Legroom (Front)	42.3
Legroom (Row 2)	34.3
Shoulder Room (Front)	62.4
Shoulder Room (Row 2)	61.2
Seating (Maximum)	8
Headroom (Row 3)	36.4
Hiproom (Row 3)	56.3
Legroom (Row 3)	27.3
Shoulder Room (Row 3)	61.2



Exterior Dimensions & Weight

Curb Weight MT	N/A
Curb Weight AT	5390
Ground Clearance	9.8
Height	73.2
Length	192.5
Top Type (Standard)	Hard Fixed
Top Type (Optional)	Not Applicable
Track (Front)	63.8
Track (Rear)	63.6
Weight Distribution AT (Front)	53
Weight Distribution AT (Rear)	47
Weight Distribution MT (Front)	N/A
Weight Distribution MT (Rear)	N/A
Wheelbase	112.2
Width	76.4
Doors (Standard)	4
Doors (Maximum)	4

Origin

Manufactured in	Japan
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Standard Features:

Transmission

- 5-Speed Electronically Controlled Adaptive Automatic Transmission With Overdrive
- Adaptive Automatic Transmission

Steering

- Power Telescopic Steering Column
- Power Variable Assisted Rack and Pinion Steering
- Power Tilt Steering Column



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Suspension

- Independent Double Wishbone Front Suspension With Torsion Bar Springs
- Live Multi-Link Rear Suspension With Coil Springs
- 24-mm Rear Stabilizer Bar

Electrical

- 130-Amp Alternator
- 1 Cargo Area Power Outlet
- Front Cigarette Lighter With Ashtray
- 64-Amp/Hour Battery
- Delayed Power Retention Operates Power Windows
- 2 Front Power Outlets, 1 Integrated With Cigarette Lighter

Braking & Traction

- Full-Time 4-Wheel Drive
- Automatic Locking Hubs
- 2-Speed Transfer Case
- All-Speed Traction Control Controlled By ABS and Engine Management
- All-Speed Vehicle Stability Control System Operated Via ABS Traction Control and Engine Power Reduction Measures Steering Wheel Angle/Direction and Wheel Speed
- Center Locking Differential
- 4-Wheel Anti-Lock Brakes
- Front Power 310-mm Ventilated Disc and Rear Power 328-mm Ventilated Disc Brakes
- Electronic Brake Assistance
- Electronic Brake Force Distribution

Safety

- Driver Airbag With Dual Stage Deployment
- Front Passenger Airbag With Dual Stage Deployment
- Front Passenger, Second Row and Third Row Outboard Automatic Locking Retractors
- Emergency Fuel Shut-Off Device
- Front and Rear Crumple Zones
- Front and Second Row Seatbelt Height Adjusters
- Second Row 3-Point Center Seatbelt
- Front, Second and Third Row Outboard 3-Point Seatbelts With Third Row 2-Point Center Seatbelt
- Front Pretensioners With Force Limiters
- Side Guard Door Beams



Anti-Theft & Locks

- Radio Anti-Theft
- Child Safety Door Locks Located On Rear Doors and Cargo Door
- Power Decklid Lock/Unlock
- Automatic Locking Power Door Locks Operated Via Key, Remote and Internal Switch
- Selective Locking/Unlocking Via Key
- Vehicle Anti-Lockout
- Vehicle Anti-Theft Via Alarm and Engine Immobilizer

Remote Controls & Remote Releases

- Remote Fuel Door Release
- HomeLink(R) Universal Garage Door Opener
- Keyless Entry Operated Via Key Fob
- Multi-Function Remote Operates Anti-Theft, Door Lock/Unlock and Panic Alarm
- Panic Alarm

Seats

- Front Driver Power Seat Adjusts 10 Ways Total
- Leather Seats
- Front Dual Heated Bucket Seats With Adjustable Seat Height, Folding Armrests and Manually Adjustable Headrests
- Third Row Side Folding, Reclining and Removable 50/50 Split Bench Seat With Outboard Manually Adjustable Headrests
- Theater Style Rear Seating
- Second Row Easy Entry Seat Device
- Front Passenger Power Seat Adjusts 8 Ways Total
- Front Driver Power Lumbar Support
- Second Row 60/40 Split Folding Reclining Bench Seat and Seatback Tumbles Forward With Folding Center Armrest and Manually Adjustable Headrests

Storage

- Lockable Glovebox
- Front Dual Seatback Storage Pockets
- Overhead Console Storage
- Covered Lower Console Storage Located On Floor
- Cargo Area Tiedown Hooks
- Coinholder
- Front, Second and Third Row Cupholders, 9 Cupholders Total
- Front and Rear Dual Door Mounted Storage



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Instrumentation

- Cruise Control
- Steering Wheel Mounted Controls For Audio
- Compass
- Exterior Temperature Gauge
- Oil Pressure Gauge
- Battery Gauge
- Digital Clock
- Warning Lights Include Oil Low, Door Ajar, Electrical System, and Low Fuel; Audible Warnings Include Seatbelts Unfastened
- Tachometer With 7000-RPM

Interior Lighting

- Interior Load Area Light
- Delayed Courtesy Light
- Illuminated Entry For Ignition Key Surround
- Front Dual and Second Row Map Lights

Exterior Lighting

- Automatic Headlights With Automatic On/Off
- Daytime Running Lights
- Front Foglights
- Halogen Headlights

Entertainment, Communication & Navigation

- JBL 3-In-1 AM/FM ETR(R) Radio With 300-Watts and 7 Speakers Total; Autoreverse Cassette Player; 6-Disc CD Changer Integrated With Radio
- Second Row Sound Controls For Audio
- Programmable Equalizer
- Subwoofer
- Front Power Radio Antenna With Rear In-Glass Diversity Radio Antenna

Sunroof/Moonroof & Removable/Convertible Top

- Front Power Glass Tilt and Slide Moonroof

Heating, Ventilation & Air Conditioning

- Rear Heating and Air Conditioning Unit
- Rear Seat Heating and Air Conditioning Controls
- Automatic Climate Control
- Interior Dust Air Filter



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- Rear Seat HVAC Ducts

Interior, Design, Decor & Floor Covering

- Leather Steering Wheel
- Carpet Located In Passenger Cabin and Cargo Area
- Leather Located On Shift Knob

Doors

- Fold-Down Tailgate

Wheels & Tires

- Alloy Wheels, 18-In. X 8-In.
- SBRP275/60R18 BSW, Mud and Snow Tires
- Underbody Tire Carrier
- Full-Size Spare Tire

Windows, Mirrors & Wipers

- Dark Green Rear and Side Privacy Glass
- Electrochromic Interior Rearview Mirror
- Power Side Vent Window
- Dual Color-Keyed Power Adjustable Heated Folding Exterior Rearview Mirrors
- Sunshade Located On Moonroof
- Flip-Up Liftgate Window
- Front Dual Illuminated Vanity Mirrors
- Power Window Lockout/Override
- Power Windows With One Touch Up, One Touch Down and Pinch Protection For All Windows
- Rear Window Defroster
- Front Bronze Tinted Glass
- Front Dual Sunvisors
- Variable Intermittent Windshield Wipers
- Intermittent Rear Window Wiper/Washer

Exterior, Design, Paint & Finish

- Front and Rear Color-Keyed Bumpers
- Rear Step Up Bumper
- Front and Rear Mud Guards
- Skid Plates Located On Fuel Tank and Transfer Case
- Front Air Dam
- Metallic Paint (If Selected)
- Chrome Grille



GXR Unique Features

Exterior Features:

- 275/65R17 Dunlop tyres with alloy wheels
- Green tinted laminated windshield glass
- Colour coded front and rear bumpers
- Lift - up rear door
- Back door mounted spare tyre with cover
- Power operated door mirrors
- Front Fog Lamps
- HID Headlamps
- Side Step Cover
- Cladding Sticker
- Coloured Front and Rear Corner Sensors
- Door Mirror Cover and Muffler Cutter
- Front Spoiler
- Rear Spoiler
- Headlamp Cleaner with Cover
- Newly designed Grille with emblem

Interior & Convenience Features:

- Full time 4 Wheel Drive
- Audio system - AM/FM radio with cassette player and 4 speakers
- Dual air - conditioner and front heater
- High quality fabric seats
- Power windows, central locking and keyless entry
- Woodgrain Panneling
- Keyfree entry system
- Illuminated Door Scuff Plate
- Floor Illumination

Safety Features:

- SRS Airbags for driver and front passenger
- High mount stop lamp
- Anti theft System - Immobilizer with Security.

The above models are also available with Floor Mounted Spare Tyre.
In addition another variant Safari Grade 8 Seater, Mid Range Model with 5 Speed Manual Transmission is available with the following changes:



- Without Front and Rear Spoilers
- Without Front Fog Lamps
- Without Front Corner Sensors

MAINTENANCE

1.1 MAINTENANCE Package (Optional)

1.1.1 Maintenance Levels

The System Operators or Technical Personnel are responsible for the following Maintenance tasks and include the following:

- i. Preventive Maintenance such as Inspections.
- ii. Preventive Maintenance such as Cleaning.
- iii. Preventive Maintenance such as Services.
- iv. Corrective Maintenance such as Replacement of Items with a High Failure Rate or Wear-out Rate and which can be replaced with ease.
- v. Corrective Maintenance by Replacement of LRU's (Line Replaceable Units, Assemblies, Sub-assemblies etc.) with a High Failure Probability, High Criticality and which are within the Capability.
- vi. Recovery of Equipment from the Deployment or Units to a maintenance level for Corrective Maintenance.

1.1.2 Maintenance Equipment

Available at all repair facilities

- i. Operating Equipment and Accessories.
- ii. Maintenance Equipment. (Toolboxes)
- iii. Maintenance Items.(Service Packages)
- iv. Spares as required.
- v. Support Equipment as required.
- vi. Special Support and Test Equipment as required.
- vii. Common Support and Test Equipment as required.



1.2 MAINTENANCE ELEMENTS

1.2.1 Documentation

The following documentation is used for vehicle Maintenance:

- i. Operators Maintenance Manual (OMM) for the Operators Maintenance Tasks.
- ii. Maintenance Schedule for the definition of all Preventive Maintenance.
- iii. Workshop Repair Manual (WRM) for Technical Maintenance Tasks.
- iv. Illustrated Parts Breakdown (IPB) to identify Spare Parts.
- v. Illustrated Stock List (ISL) to identify Support Equipment and Spares.

1.2.2 Support Equipment

The following types of support equipment are used for Maintenance:

- i. Support Equipment carried in the Equipment ETS Boxes including Operating Equipment, Accessories and Maintenance Equipment.
- ii. Support Equipment as required for Preventive and Corrective Maintenance.
- iii. Support Equipment required and consists of Special Tools and Common Equipment which are within the Capability.

1.2.3 Spares

The following types of spares are required for Maintenance:

- i. Spares kept in the Equipment ETS Boxes.
- ii. Preventive and Corrective Maintenance Spares.

1.2.4 Personnel

The following operating and or technical personnel are located at all repair facilities:

- i. Auto Electricians for Vehicle and PSU Electrical.
- ii. Auto Mechanics for diesel and petrol engines.



Armoring

Vehicle Armoring is available in all different levels depending on customer preferences. For more information on armoring levels please visit www.mushriquiconsulting.com/armorlev.htm

NIJ Level III/B6 Armored Vehicles Armoring SPECIFICATION SHEET

Protection System	NATO CLASS / HIGH LEVEL
Glass Areas	44 MM BULLET-RESISTANT TRANSPARENT ARMOR, MULTI-LAYER GLASS AND POLYCARBONATE INNER LAYER
Glass Appearance	GLASS IS CURVED AND CONTOURED TO RETAIN THE APPEARANCE OF THE ORIGINAL GLASS. ALL TRANSPARENT AREAS IS ARMORED TO LEVEL B6 WITH 44MM BALLISTIC AUTO GLASS.
Front Side Driver Window	OPERABLE TO 6 INCHES
Body Doors	PILLAR POSTS, SIDE PANELS, KICK-PANELS, FIREWALL, AND HEADERS (LATERALS) ARE ARMORED WITH BALLISTIC COMPOSITE MATERIAL EQUIVALENT MATERIAL OR AIR HARDENED HEAT TREATED BALLISTIC STEEL (NIJ LEVEL III AND EN 1063 B6 PROTECTION)
Roof	ARMORED WITH BALLISTIC COMPOSITE MATERIAL
Floor	FLOOR AREAS ARE ARMORED WITH MULTI-PLY RIGID BALLISTIC FRAGMENTATION MATERIAL COMBINED WITH KEVLAR MOLDED TO FORM FIT CONTOURS OF FLOOR BOARDS AND PANELS. DESIGNED TO DEFEAT THE FOLLOWING HAND GRENADES AND ALL LESSER EXPLOSIVES. TWO DM 51 (GERMAN NORM) HAND GRENADES PER SQ.M. DETONATED SIMULTANEOUSLY
Opaque Areas	PROTECTS AGAINST SOFT CORE PROJECTILES FIRED WITH THE FOLLOWING AND ALL LESSER WEAPONS AT 90° AND 45° (ROOF) IMPACT ANGLE IN ACCORDANCE WITH CEN.



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	<ol style="list-style-type: none"> 1. CALIBRE 7.62 X 39 MM, FJ/PB/SC, AK 47, (KALASHNIKOV) OBR-43 PS 2. CALIBRE 5.45 X 39.5 MM AP, FJ/PB/SCP, AKS 74, (KALASHNIKOV) OBR-74 3. CALIBRE 5.56 X 45 MM, FJ/PB/SCP, US RIFLE M16 A2, SS-109 /M-855 4. CALIBRE 7.62 X 51 MM, FJ/PB/SC, "FAL" / "LAR" NATO RIFLE 															
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Transparent Areas Ballistic Properties	<table border="1"> <thead> <tr> <th>TYPE OF WEAPON</th> <th>CALIBER</th> <th>BULLET</th> <th>IMPACT SPEED</th> </tr> </thead> <tbody> <tr> <td>RIFLE (E.G.: FAL G1)</td> <td>7.62 X 51, 305 MM LAY</td> <td>STEEL FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD</td> <td>830 + 10 M/S</td> </tr> <tr> <td>RIFLE (E.G.: US M16)</td> <td>5.56 X 45, 178 MM LAY</td> <td>COPPER FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD AND STEEL PENETRATOR SS109</td> <td>950 + 10 M/S</td> </tr> </tbody> </table>	TYPE OF WEAPON	CALIBER	BULLET	IMPACT SPEED	RIFLE (E.G.: FAL G1)	7.62 X 51, 305 MM LAY	STEEL FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD	830 + 10 M/S	RIFLE (E.G.: US M16)	5.56 X 45, 178 MM LAY	COPPER FULL METAL JACKET, POINTED BULLET, SOFT CORE WITH LEAD AND STEEL PENETRATOR SS109	950 + 10 M/S			
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Certification	<ul style="list-style-type: none"> • H. P. WHITE LABORATORIES U.S.A • UNITED STATES LABORATORY <p>THE COMPLETE TESTING STANDARDS SET OUT IN THE GUIDELINES REFERRED TO, AS WELL AS THE TEST PROTOCOL AND ALL CERTIFICATES, MAY BE VIEWED.</p>															



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<p>Suspension & Braking System</p>	<p>REAR STABILISER BAR UPGRADED TO A HEAVY DUTY MODEL</p> <p>BRAKING SYSTEM IS FULLY MODIFIED TO PERFORM UNDER ADDITIONAL ARMoured VEHICLE BODY.</p> <p>TIRES AND RIMS FITTED ARE FULLY APPROVED FOR THE HIGHER VEHICLE WEIGHT RATIO ACCORDING TO TÜV / MOT (DOT EQUIVALENT) TYPE RECOMMENDATIONS AND LEGAL REQUIREMENTS.</p> <p>MODIFICATIONS ARE CARRIED OUT TO ASSURE THAT THE VEHICLE PASSES THE VERY EXACT GERMAN TYPE APPROVAL.</p>
<p>Extra Security Equipment Fitted as a Standard to Vehicle</p>	<p>REINFORCED HINGES: SPECIALLY DESIGNED REINFORCED STRENGTHENED HEAVY DUTY DOOR HINGES A MINIMUM OF TWO EXTRA HINGES PER DOOR</p> <p>PROTECTED FUEL TANK: COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS WITH LEVEL CEN B6. UTILIZING ARMORED STEEL</p> <p>PROTECTED VEHICLE MANAGEMENT SYSTEM (BLACK BOX): COMPLETELY ARMoured ACCORDING TO THE SPECIFICATIONS UTILIZING LEVEL CEN B6. WITH ARMORED STEEL</p> <p>RUN-FLAT TIRE SYSTEM: 50 KM DISTANCE AT 50 Km/H SPEED.</p> <p>REAR CARGO: 100% PROTECTION AGAINST FOREIGN PROJECTILES AND SPLINTERS. THE TRANSPARENT ARMOUR AREA PROVIDES REAR VIEW VISION WITH MINIMAL OBSTRUCTION.</p> <p>VEHICLE SUSPENSION STABILISING BARS: ROBUST HEAVY DUTY HARD WEARING COIL SYSTEM. OEM COMFORT STANDARDS ARE MAINTAINED WITH THIS FEATURE.</p>
<p>Optional Security Extras</p>	<ul style="list-style-type: none"> • ALARM SIREN • BATTERY PROTECTION • BEACON CONNECTOR • BULL BAR



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	<ul style="list-style-type: none"> • CENTRAL DOOR LOCKING • FIRE EXTINGUISHER SYSTEM • FLAG POLES • FOG LAMPS • HEAVY DUTY CAR JACK • 10 TON WRENCH • 4 WINDOW OPERABLE LIFTERS • INTERCOM / PUBLIC ADDRESSING SYSTEM • MAGNETIC BEACON <ul style="list-style-type: none"> • RADIO/CD COMBINATION • STALK MOUNTED MAP READING LAMP
Service Package	Local Service Provided in Iraq (Baghdad, at Camp Victory & Camp Brooklyn and for all other locations in Iraq like Mosul, Tikrit, Basrah and Balad a team of engineers & technicians will be sent on a secure military base) Kuwait , Jordan, Egypt, U.A.E. , U.S.A. , Canada, Russia, Brazil, Mexico, Turkey, Sweden, France, Italy, Afghanistan, and Germany. All other countries are available upon request, All the above have the ability to conduct full warranty, maintenance & service for ballistic and non ballistic needs
Strobe Lights	BLUE OR RED LIGHTS VISIBLE OR NON-VISIBLE EXCEPT WHEN TURNED ON CAN BE MOUNTED TO THE VEHICLE TO DRAW ATTENTION IN STANDARD TRAFFIC SITUATIONS.
Telephone / Radio Cable Preparation	PRE-WIRING HAS BEEN LAID THROUGHOUT THE VEHICLE TO ASSIST FURTHER INSTALLMENT OF COMMUNICATION EQUIPMENT FOR ON BOARD TELEPHONE.
Toolbox	Standard Tools included for emergency situations



Warranty

- 3 YEARS OR 60,000 KM WHICHEVER COMES FIRST
- WARRANTY FOR DEFECTS IN MATERIALS AND WORKMANSHIP AFTER TRANSFER OF RISK.
- SERVICES UNDER THE WARRANTY SHALL ONLY BE PROVIDED FREE OF CHARGE IF THE DEFECTS ARE PROVEN IN DESIGN, MATERIALS OR WORKMANSHIP.
- THE WARRANTY IS EXTENDED TO ANY PARTS INSTALLED WHEN REMEDYING THE DEFECTS UNTIL EXPIRE OF THE WARRANTY PERIOD.

SAMPLE (Pictures doesn't reflect car type)

		
REAR HATCH DOOR	BATTERY COMPARTMENT	DOORS
		
ROOF	FRONT COMPARTMENT	RUNFLATS