

Light Tactical Vehicle



Movement that inspires

Kia Special Vehicle
<http://military.kia.com>

GREAT MOBILITY, HIGH PROTECTION MULTI-ROLE LIGHT TACTICAL VEHICLE



Great Mobility, High Protection and Flexible LTV

Kia developed its Light Tactical Vehicle that best suits a changed battle environment and efficient operation of military strength based on its long-accumulated technology and infrastructure involved in commercial and military vehicles.

Built upon its robust design with practicality, mobility and survivability, the Light Tactical Vehicle is developed by the modularization of its basic chassis, diversifying into various derivative models with standard and long wheel base along with weapon mounts.

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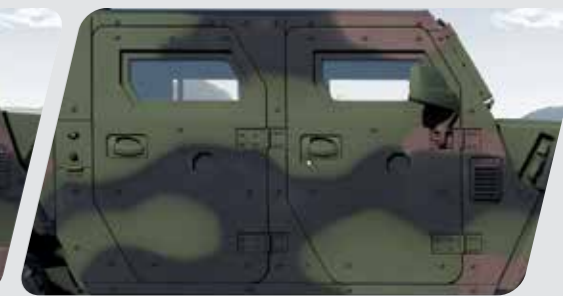


Its exterior design captures the high-tech image of Light Tactical Vehicle, displaying robust and stable along with strong edge lines both vertical and horizontal.

Exterior Design



Standard Cabin



Armored Cabin
Detachable bullet resistant plate



Windshield
Removable with projection type windshield



Bulletproof Windshield
2 piece glasses with defrosting heat film



- 1 Front Bumper & Lamps**
Front combination lamp, towing hook & undercover
- 2 Rear Bumper & Attachments**
Rear combination lamp, towing hook, pintle hook, receptacle & rear-view camera





1 Gauge Cluster

Centralized instrument panel & multi-info display

2 Driver & Commander Seat

Sliding, reclining & height adjustment, head rest & seat belt

3 Center Fascia

Audio, navigation, rear-view monitor & HVAC control

4 Transmission Lever

Auto shift knob and parking brake lever
* 24V outlet & AUX port (iPod, MP3)

5 Control Switches

Auto door lock, power window, rear-view defroster mirror

6 Air Conditioning Systems

Aircon & heater for rear van

7 Handle Type

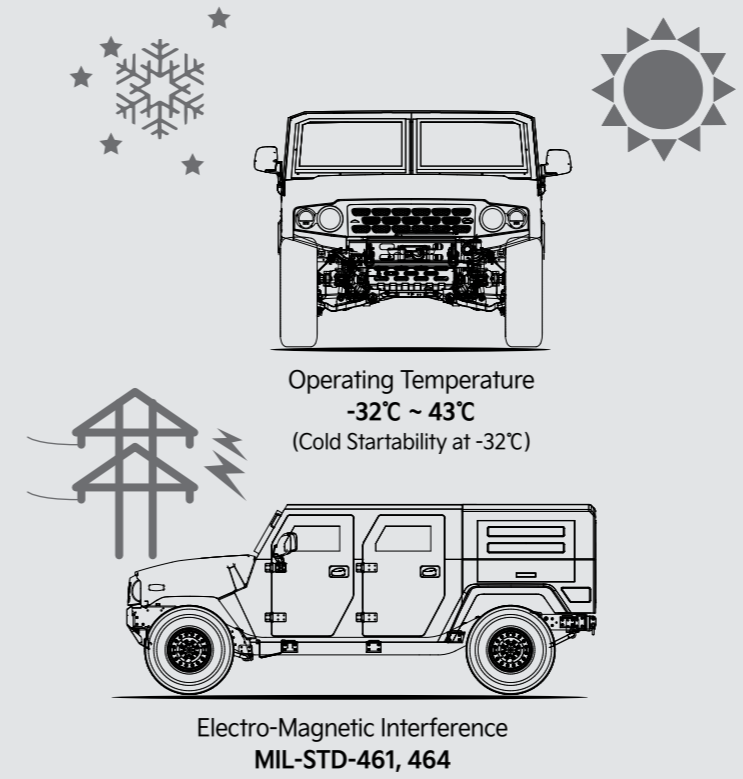
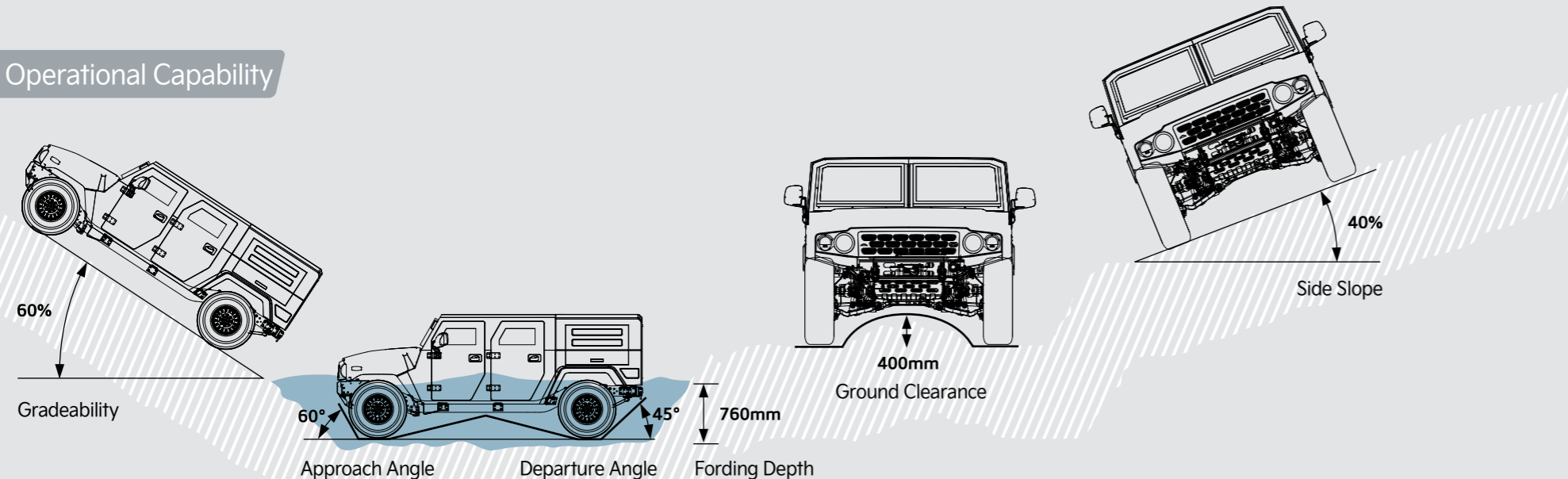
LHD/RHD



Interior Design

Its interior design emphasizes simplicity with straight lines, securing both ease of operation and visibility of a passenger car with the reflection of the optimized driver-oriented design.

Required Operational Capability



Performance

Strong Driving Performance on Any Terrains!

Kia' high-tech military vehicles with the best driving performance and durability in any operating environment have been developed under diverse simulated conditions - both mountain and river and also under extremities of weather. That is why the vehicles can exert superb mobility on any challenging terrains worldwide and under any types of climate conditions.

Transportability



Performance Test

Kia, as a global leading automaker, takes advantage of its specialized workforce and equipment in diverse technical areas in order to implement the best testing conditions for mobility, environmental adaptability and durability required for military vehicles throughout the testing processes that enables identical simulation of an actual operation field.



Gradeability



Side Slope



Fording Depth



Electro-Magnetic Interference



Cold Starting & Defrosting



Endurance Test

Powertrain & Chassis

Cutting-Edge Technology & Functionality

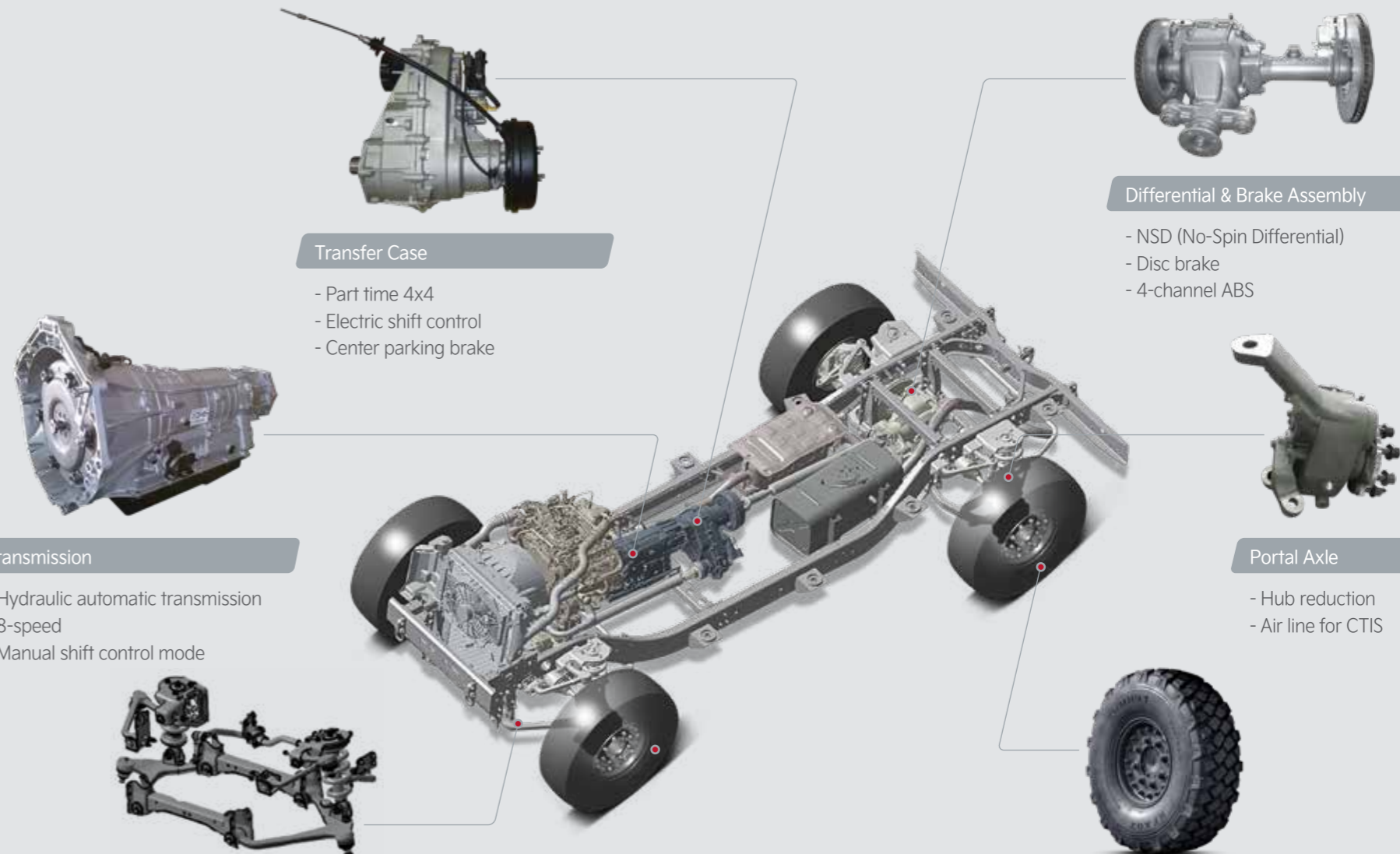
The Light Tactical Vehicle carries its high-output eco-friendly S2 engine with 8-speed automatic transmission, boasting 225ps considered the highest among its overseas counterparts with securement of the best mobility even under the worst terrain conditions. It was developed to satisfy various performance requirements even under the condition of maximum weight of seven tons, offering a perfect solution for mobility.



Engine	
Type	V6, TCI
Displacement (cc)	2,959
Power (ps/rpm)	225 / 3,200
Torque (kg-m/rpm)	51 / 1,750
Emission	Euro 5 *DPF (Diesel Particulate Filter) *EGR (Exhaust Gas Recirculation)

*Military-Optimized Features

- EMI shielding, cold engine start, lubricating performance, water-proofing feature, 24V generator, etc



Transfer Case

- Part time 4x4
- Electric shift control
- Center parking brake

Transmission

- Hydraulic automatic transmission
- 8-speed
- Manual shift control mode

Independent Suspension

- Double wishbone suspension
- Strut type spring & shock absorber
- Stabilizer bar

Differential & Brake Assembly

- NSD (No-Spin Differential)
- Disc brake
- 4-channel ABS

Portal Axle

- Hub reduction
- Air line for CTIS

Wheel & Tire

- Block pattern radial tire (315/85R16)
- Aluminum wheel (2 pieces)

Protection

Strength on Your Side

The detachable protection kit protects passengers from fire arms, shells and land mines. With its convenience function of both detachment and attachment of the kit, it enhances the tactical operation-ability. Furthermore, it provides adjustment function of the protection level, providing appropriate countermeasures for users' needs.

Type of Threats

Shell Splinter

Bulletproof Materials

Cabin & Deck Roof

Deck Rear Panel

Front & Side glass

Bullet

Mine

Door & Side Panel

Floor & Dash Panel

Up- Armored Vehicle

Ballistic Performance Test



Front Glass



Side Door Glass



Bulletproof Composite Panel



Bulletproof Composite Panel (Inner side)



Gunner Protector



Bulletproof Glass



Mine Protector - Floor



Composite Material



Blast-Absorbing Seats



Additional Features

Unsurpassed Flexibility & Affordability

The Light Tactical Vehicle provides various standard and optional features to satisfy the required performance for any type of usage or environment, while showcasing its robust and militant image.

Central Tire Inflation System (CTIS)

Electronic inner-tire air pressure control system ensures enhanced driving performance on sandy and soft terrains



Run-Flat Tires (3 piece divided)

Keeping the operational condition of tire when bullets hit tire, and making it possible to drive 48km at the speed of 48km/h



Electric Winch



Turret System



10kW Generator in Powertrain



Spare Tire & Carrier



Rear Van - Special Equipment



Air Conditioner - Van



Smoke Grenade Launcher System



Remote Control Weapon System

Cab Chassis

Unprecedented Utility & Reliability

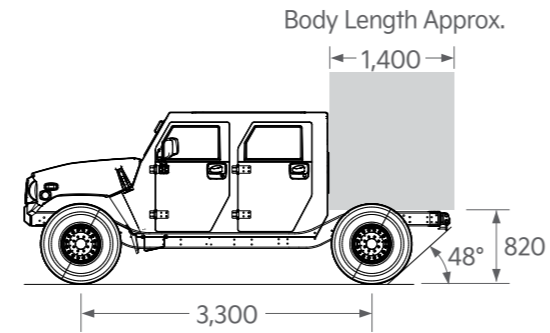
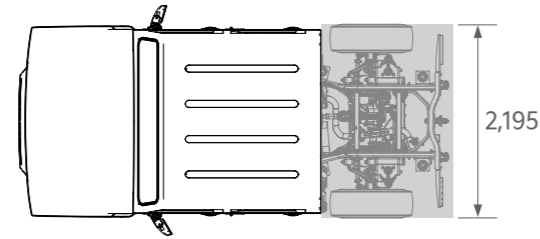
The basic chassis has been modularized so that various options are made available including bullet resistance/non-bullet resistance, standard/long wheel base and installation of special components. Its tactical usage has been maximized by enabling diverse tactical equipment loadings such as IT and high-tech guided weaponry and reconnaissance/observation equipment.



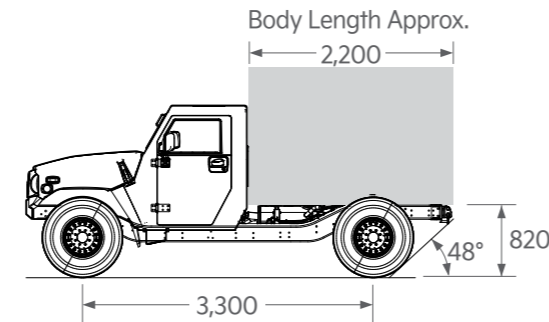
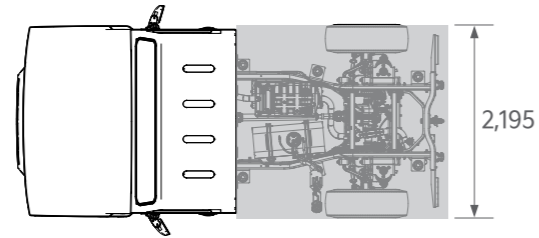
Flat Bed Vehicle

※ These dimensions represent approximate values. The figures were not based on an individual vehicle and do not constitute part of the product offer ; they are provided solely for purposes of comparison between different vehicle models.

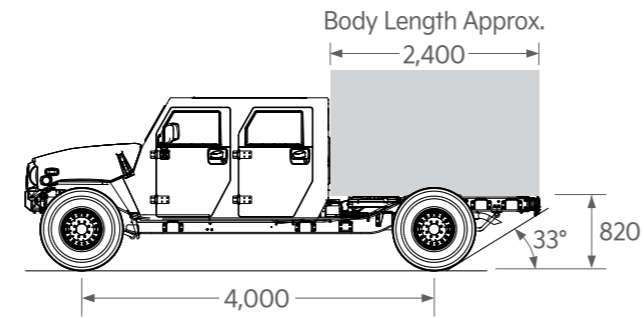
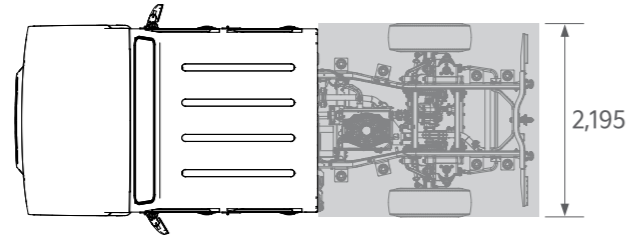
Standard Wheel Base (Cabin Seats for 4 Person)



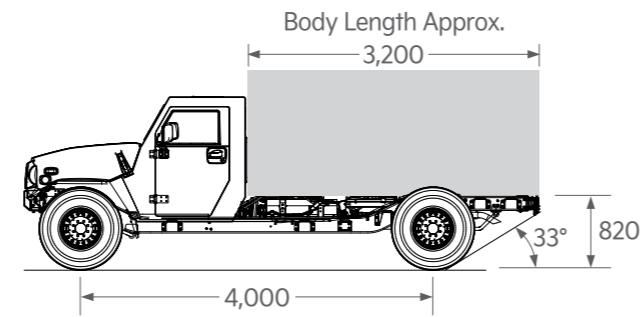
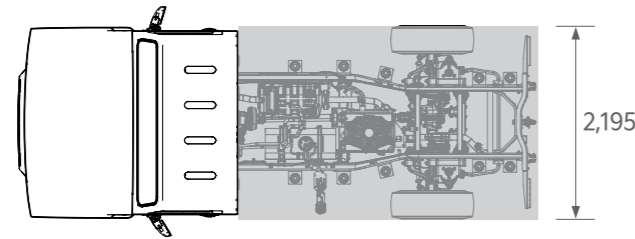
Standard Wheel Base (Cabin Seats for 2 Person)



Long Wheel Base (Cabin Seats for 4 Person)



Long Wheel Base (Cabin Seats for 2 Person)



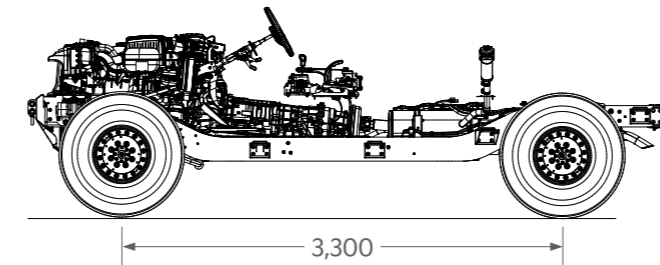
Bare Chassis

Kia has a lot more to offer.

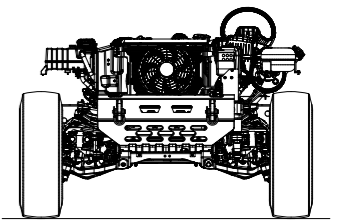
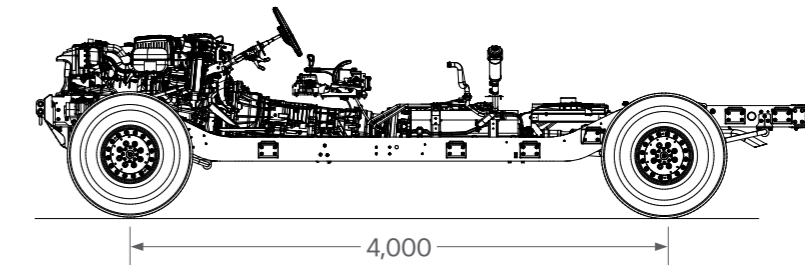
Vehicles for global operations such as peacekeeping missions are required for various specific and demanding standards. Our customers definitely need a reliable automotive platform, and Kia LTV chassis provides the ideal basic structures for various add-on super structure modules.



Standard Wheel Base



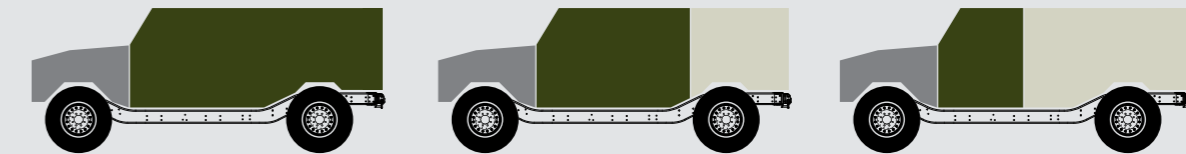
Long Wheel Base



※ It can be provided on your request such as drivable chassis. For further information please contact our export team (msales@kia.com) or the regional manager. Refer to the page "Contact information" from our website. <http://military.kia.com/>
















Chassis for Various Utilities

- Engine Area
- Armored / Body Builder's Area
- Loading Compartment Area



As one of the leading global automaker in quality and reliability, Kia is a trustworthy partner, providing various packages including individual customer care and satisfaction.

LTV Line Up

Standard Wheel Base			Long Wheel Base	
Bulletproof Cabin		Standard Cabin	Standard Cabin	
				
Bulletproof Command Vehicle	Bulletproof Personnel Carrier	Multi-Purpose Vehicle	Cargo Truck (4P)	Shop Van
				
Bulletproof Reconnaissance Vehicle (4P)	Bulletproof Reconnaissance Vehicle (8P)	Cargo Truck (2P)	Cab Chassis Truck	Shelter Cargo Truck
				
Weapon Carrier (Missile / Machine Gun)	Remote Control Weapon Carrier	Bare Chassis	NBC Reconnaissance Vehicle	Bare Chassis

Technical Data

		Standard Wheel Base (3.3m)					Long Wheel Base (4.0m)	
		Bulletproof Cabin			Standard Cabin		Standard Cabin	
		Bulletproof Command Vehicle	Bulletproof Personnel Carrier	Bulletproof Reconnaissance Vehicle	Multi-Purpose Vehicle	Cargo Truck	Cargo Truck	Shop Van
DIMENSION	Length (mm)	4,900	4,900	4,900	4,900	5,250	6,000	5,950
	Width (mm)	2,195	2,195	2,195	2,195	2,195	2,195	2,195
	Height (mm)	1,980	2,320	2,320	2,320	2,550	2,550	2,750
	Ground Clearance (mm)	410	405	405	405	410	405	405
	Approach Angle (°)	62	62	62	62	62	62	62
	Departure Angle (°)	48	48	48	48	33	33	33
WEIGHT	Payload (kg)	1,300	1,000	1,000	1,900	2,000	3,000	1,900
	Gross Weight (kg)	5,700	5,700	5,700	5,700	5,700	7,000	7,000
CONFIGURATION	Engine Power (ps/rpm)	225 / 3,200	225 / 3,200	225 / 3,200	225 / 3,200	225 / 3,200	225 / 3,200	225 / 3,200
	Engine Torque (kg-m/rpm)	51 / 2,200	51 / 2,200	51 / 2,200	51 / 2,200	51 / 2,200	51 / 2,200	51 / 2,200
	Transmission	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
	Transfer Case	Part Time 4x4	Part Time 4x4	Part Time 4x4	Part Time 4x4	Part Time 4x4	Part Time 4x4	Part Time 4x4
	Tire	315/85R16	315/85R16	315/85R16	315/85R16	315/85R16	315/85R16	315/85R16
	Fuel Tank Capacity (ℓ)	80	80	80	80	80	80	80
PERFORMANCE	Electrical System (V)	24	24	24	24	24	24	24
	Seating Capacity	1 + 3	1 + 7	1 + 4	1 + 6	1 + 1	1 + 3	1 + 3
	Speed (km/h)	130	130	130	130	130	130	130
	Gradient (%)	60	60	60	60	60	60	60
	Side Slope (%)	40	40	40	40	40	40	40
	Min. Turning Radius (m)	7.8					9.2	
OPTION	Fording Depth (mm)	760	760	760	760	760	760	760
	Cruising Range (km)	640	640	640	640	640	520	520
OPTION	General	RHD, Run-Flat Tires, Electric Winch, CTIS, Rear-View Camera & Monitor, Radio Station & Power Supply Kit, Air Transportable Device, Tire Chains						
	Special	Turret System, Remote Weapon System, Spare Tire & Carrier					-	10kW Generator in Powertrain

※ All information and illustrations are based on data available at the time of publication and are subject to change without notice according to any further improvements or operational environments.

※ The specifications and features contained in this publication may inevitably be changed due to the improvement of product performance.
In addition, the content of this publication may differ from the actual product depending on the time of printing, application of optional features, printing, and other errors, so please contact your local Kia dealer for the most current information.

Kia Special Vehicle

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