



Military Vehicles

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LIGHT TACTICAL VEHICLE

KIA MOTORS MILITARY VEHICLES



The Power to Surprise

GREAT MOBILITY, HIGH PROTECTION MULTI-ROLE LIGHT TACTICAL VEHICLE





Great Mobility, High Protection and Flexible LTV

Kia Motors 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

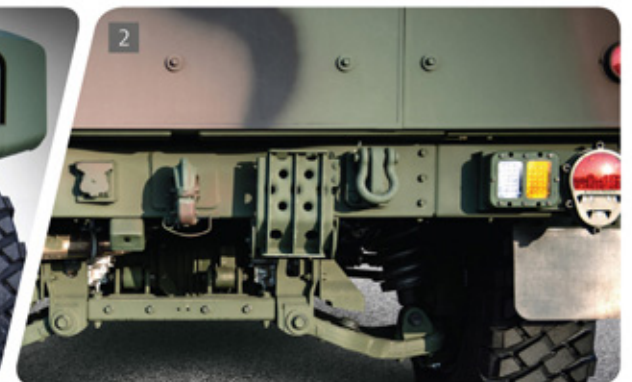
2 piece glasses with defrosting heat film

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

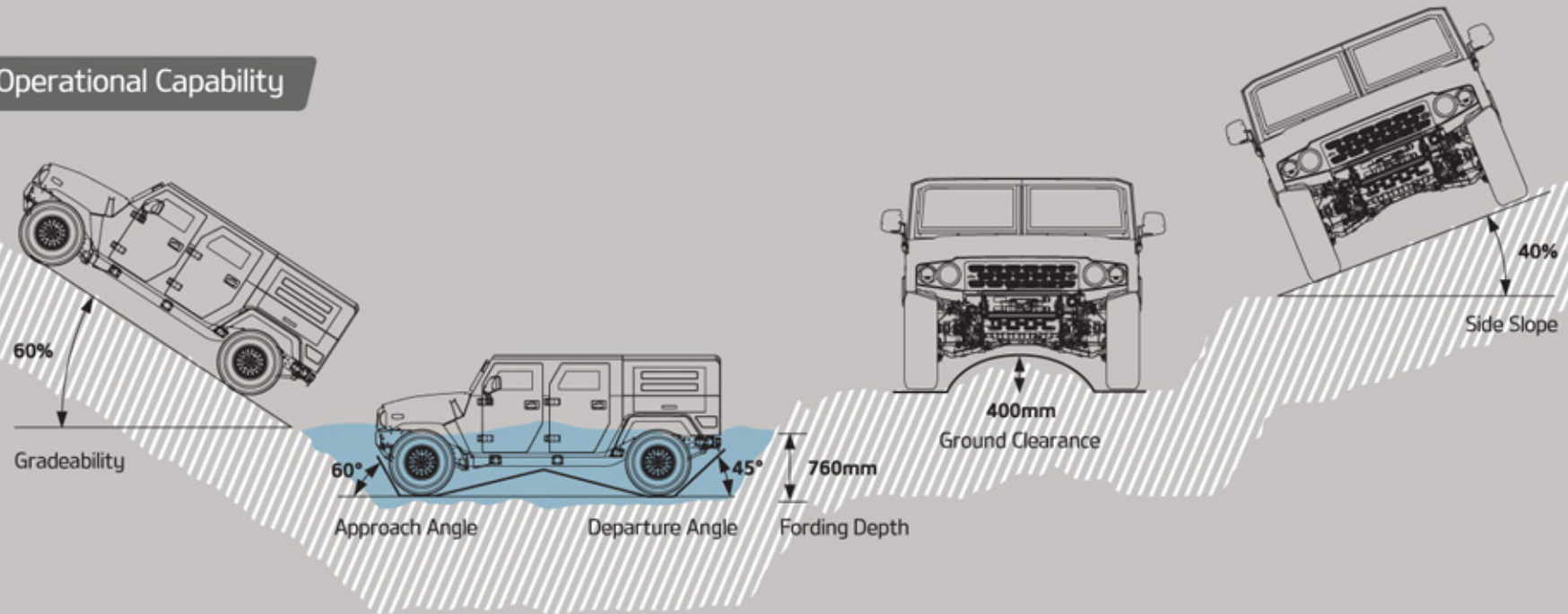
LHD/RHD



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.

Interior Design

Required Operational Capability



Performance Test

Kia Motors, 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



Operating Temperature
-32°C ~ 43°C
(Cold Startability at -32°C)



Electro-Magnetic Interference
MIL-STD-461, 464

Performance

Strong Driving Performance on Any Terrains!

Kia Motors' 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



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 225 hp (horsepower) 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)

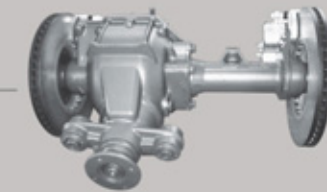
* Military-Optimized Features

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



Transfer Case

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



Differential & Brake Assembly

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



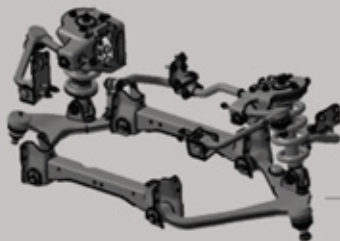
Transmission

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



Portal Axle

- Hub reduction
- Air line for CTIS



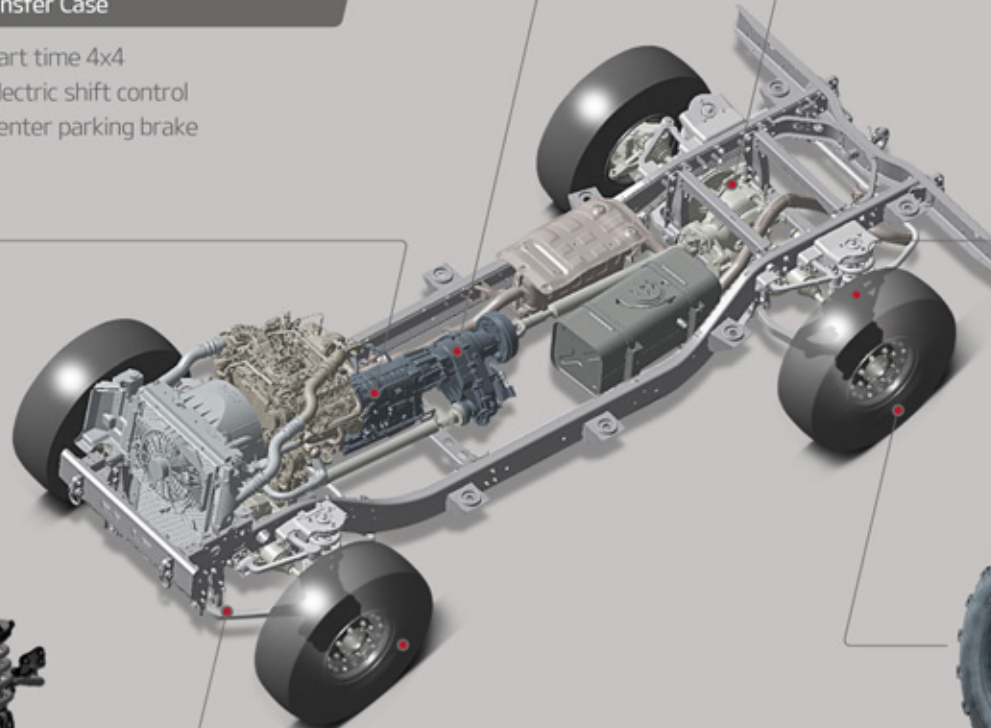
Independent Suspension

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



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.



Ballistic Performance Test



Front Glass



Side Door Glass



Bulletproof Composite Panel



Bulletproof Composite Panel (Inner side)

Up- Armored Vehicle



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



Electric Winch



Turret System



10kW Generator in Powertrain



Spare Tire & Carrier



Run-Flat Tires (3 piece divided)

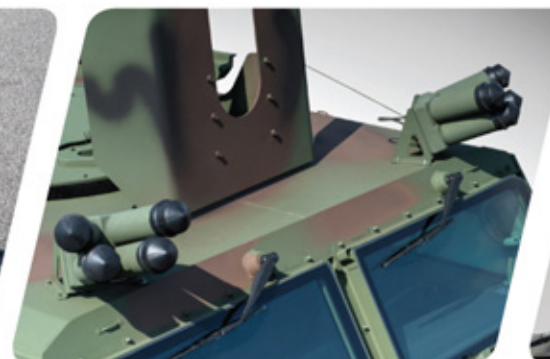
Keeping the operational condition of tire when bullets hit tire, and making it possible to drive 48km at the speed of 48km/h



Rear Van - Special Equipment



Air Conditioner - Van



Smoke Grenade Launcher System



Remote Control Weapon System

Cab Chassis

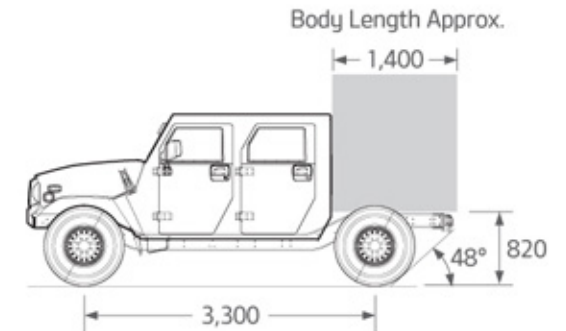
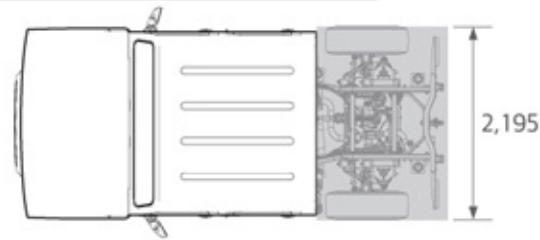
Unprecedented Utility & Reliability

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.

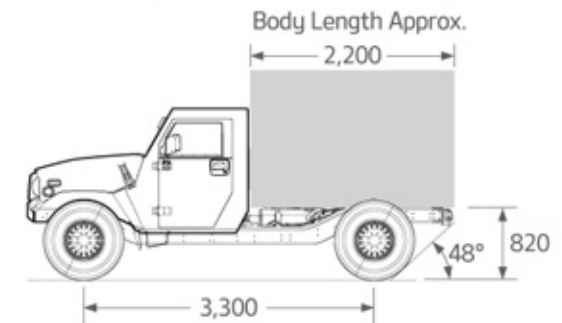
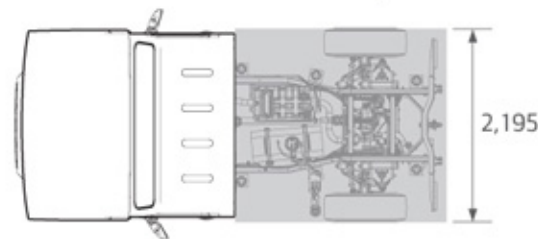


Flat Bed Vehicle

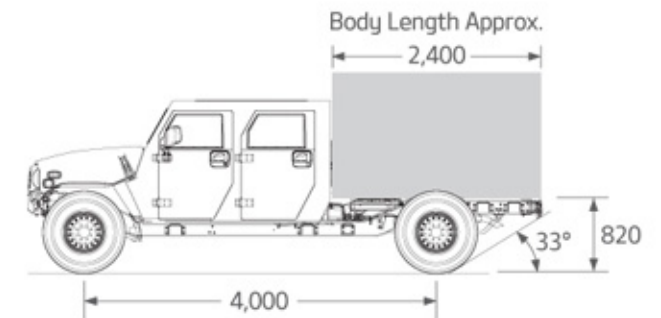
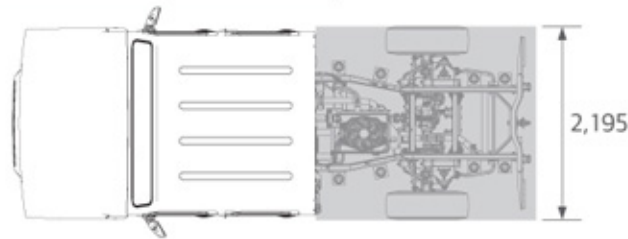
Standard Wheel Base (Cabin Seats for 4 Person)



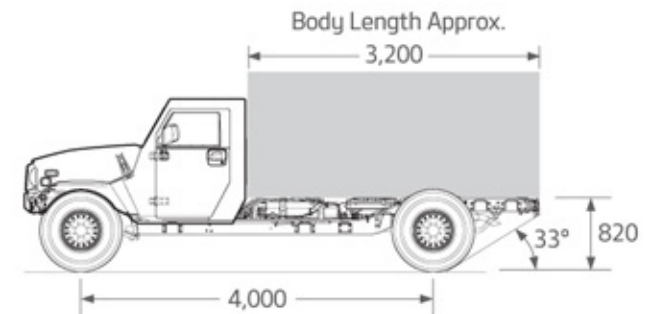
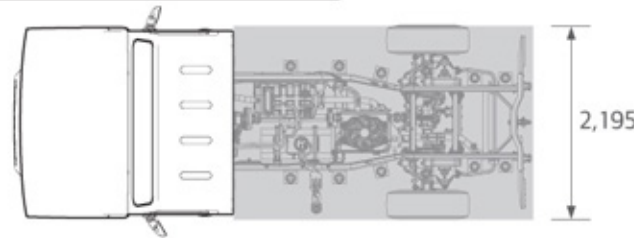
Standard Wheel Base (Cabin Seats for 2 Person)



Long Wheel Base (Cabin Seats for 4 Person)



Long Wheel Base (Cabin Seats for 2 Person)



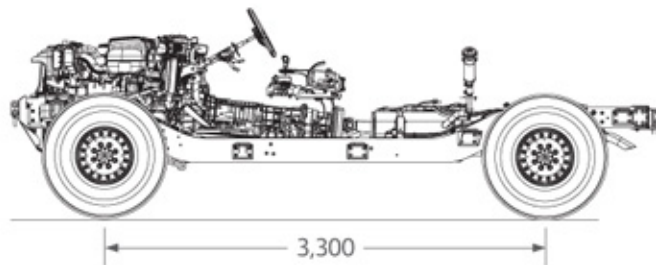
※ These dimensions represent approximate values. The figures were not based on an individual vehicle and do not constitute part of the product offer : they are provided solely for purposes of comparison between different vehicle models.

Bare Chassis

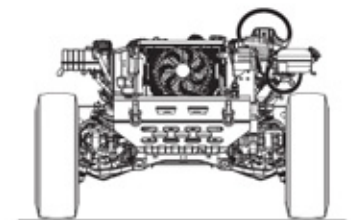
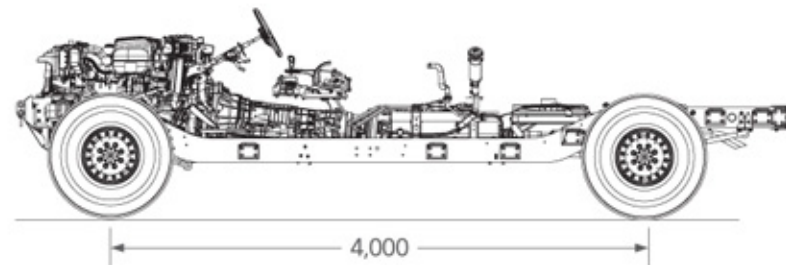
Kia Motors has a lot more to offer.

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






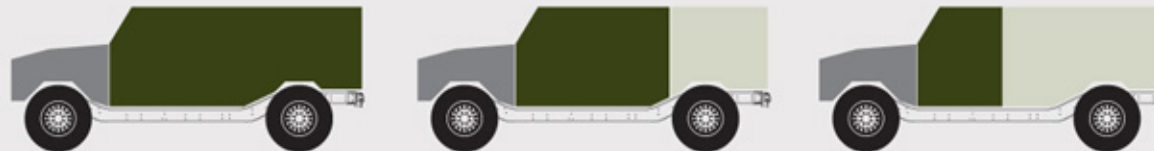
* It can be provided on your request such as drivable chassis.

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 Motors is a trustworthy partner, providing various packages including individual customer care and satisfaction.

LTV Line Up

Standard Wheel Base

Armored Cabin



Armored Command Vehicle



Armored Personnel Carrier



Multi-Purpose Vehicle



Armored Reconnaissance Vehicle



Up-Armored Reconnaissance Vehicle



Cargo Truck



Weapon Carrier (Missile / Machine Gun)



Remote Control Weapon Carrier

Long Wheel Base

Standard Cabin



Cargo Truck



Shop Van



Cab Chassis Truck



Shelter Cargo Truck



NBC Reconnaissance Vehicle

Technical Data

		Standard Wheel Base (3.3m)					Long Wheel Base (4.0m)	
		Armored Cabin			Standard Cabin		Standard Cabin	
		Armored Command Vehicle	Armored Personnel Carrier	Armored 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	410	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 / 1,750	51 / 1,750	51 / 1,750	51 / 1,750	51 / 1,750	51 / 1,750	51 / 1,750
	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)	76	76	76	76	76	76	76
	Electrical System (V)	24	24	24	24	24	24	24
PERFORMANCE	Seating Capacity	1 + 3	1 + 7	1 + 4	1 + 7	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
	Fording Depth (mm)	760	760	760	760	760	760	760
	Cruising Range (km)	640	640	640	640	640	560	560
OPTION	All Vehicles	RHD, Run-Flat Tires, Electric Winch, CTIS, Rear-View Camera & Monitor, Radio Station & Power Supply Kit, Air Transportable Device, Tire Chains						
	Depending on Vehicle Type	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.

※ For further detail information, please visit <http://military.kia.com>



Military Vehicles

KIA MOTORS CORPORATION

12, Heolleung-ro, Seocho-gu, Seoul, 137-938, Korea

<http://military.kia.com>

1605-DC-SW/GE-LHD

" By DESIGN, Kia will touch your hearts " *CHALLENGE KIA*

Kia Motors Corporation was founded in 1944 and is Korea's oldest manufacturer of motor vehicles. Kia is now the fourth largest and fastest growing automobile manufacturer in the world. Its brand slogan 'The Power to Surprise' represents the company's global commitment to surpassing customer expectations through continuous innovation. Every year, Kia shows huge year-on-year growth of its global sales in all line-up, especially thanks to DESIGN management. 'DESIGN management' includes not only vehicle's nice appearance but also fresh innovation to improve all of our abilities, performances and vehicle's quality.



1944 to Present : For more than seven decades, Kia Motors has devoted itself to producing quality vehicles through the continuous pursuit of automotive innovation. Today's Kia product line-up dramatically increased quality and reliability, head turning designs and superb driving dynamics, and has received an increasing number of major industry awards and accolades. More and more consumers are taking notice of the major strides Kia has made in recent years, and the company is now widely recognized as one of the very few shining stars of the global automotive industry.

With Kia's long history, 'Kia Military Vehicle' is always showing wonderful performances across the globe. Its quality has already been proved by the Army of the only divided truce country in the world, Korea. Now, we export military vehicles all around the world and they acknowledge Kia Military Vehicles as a solution to perform in all special missions like UN PKO. We promise that our 'Power to Surprise' will satisfy your needs.

