

# 从212到212

## 212 Product Introduction



212

# CONTENTS

## 目录

01 Vehicle Appearance

02 Main Specification

03 Color Options

04 Configuration Highlights

05 Product Selling Points

# Vehicle Appearance

01

# Vehicle Appearance-Exterior T01



The innovative interpretation of the highly recognizable family front grille pays homage to the classics, inheriting the iconic design elements of "one arch, two circles, three horizontals, and four verticals."



The vehicle's dimensions have been comprehensively expanded, presenting a body contour that is both square and robust. The minimalist surfaces are pristine and uncluttered, exuding a sense of clean sophistication.



The expansive and steadfast "tower-like" body of the vehicle is encircled by a waistline that runs parallel to the ground, imparting a sense of serene yet potent energy.

# Vehicle Appearance-Exterior T01 Navigator



The vehicle boasts a rejuvenated and highly distinctive tiger-inspired front grille, complemented by a robust front hood and a rear intake snorkel designed for water fording. The exterior exhibits a heightened saturation, with an upright stance that exudes a profound sense of strength and solidity.

The vehicle has been elevated by 1.5 inches, equipped with large 285/70R17 tires and nitrogen shock absorbers. Additionally, the wheel arches, grille, and side steps have been widened, achieving an exquisite combination of a wide-body kit and an upright, commanding posture.

# Vehicle Appearance-Interior

The interior design takes its cue from the demands of off-road adventures, employing a structuralist approach that marries robust functionality with aesthetic appeal.



- The seats are crafted with a layered, multi-density foam technology, upholstered in premium perforated microfiber fabric. The front row boasts wraparound seats that enhance lateral and lumbar support, featuring 10-way electric adjustment, 3-stage heating, and massage functions. The rear seats can be folded down in a 4:6 ratio, with the backrest offering up to 15 levels of angle adjustment.

- The central control panel and air conditioning control panel are equipped with mechanical buttons that exude a sense of functionality, thoughtfully partitioned for intuitive operation. All off-road features are controlled with clarity and ease, ensuring they are immediately visible and within reach.
- The overall spatial design meticulously considers the practicality of off-roading, offering users an enhanced and exhilarating off-road experience through expandable space.

# Main Specification

02

# Main Specification

Model	T01							
Version	Machinist	Adventurer	Officer	Navigator				
<b>Model Parameters</b>								
Body size (mm)		4705*1895*1936		4749*1945*1999				
Wheelbase(mm)		2860		2860				
Front and rear wheel track (mm)		1598/1598		1640/1640				
Minimum ground clearance (mm)		235		256				
Approach angle/departure angle (°)		40.3/35.5		43/39				
Pass angle (°)		23.6		28.1				
Wading depth (mm)		659		750				
Maximum climbing grade		80%		80%				
<b>Power Performance</b>								
Engine displacement		2.0L		2.0L				
transmission		8AT		8AT				
Air intake form		Turbocharger		Turbocharger				
Maximum power (kW)		185		185				
Maximum torque (N·m)		410		410				
<b>Appearance</b>								
Body color	White	Green	Gray	Dark	Dark green	Blue (Set)	Green	Dark
Interior Color	Black	Black/Brown	Black/Brown/Gray	Black				

# Main Specification

Model	T01				
Export Country	Russia	Gulf Cooperation Country	Iran		
Certification	OTTC	GCC	ECE		
<strong>Model Parameters</strong>					
Body size (mm)		4705*1895*1936			
Wheelbase(mm)		2860			
Front and rear wheel track (mm)		1598/1598			
Minimum ground clearance (mm)		235			
Approach angle/departure angle (°)		40.3/35.5			
Pass angle (°)		23.6			
Wading depth (mm)		659			
Maximum climbing grade		80%			
<strong>Power Performance</strong>					
Engine displacement		2.0L			
transmission		8AT			
Air intake form		Turbocharger			
Maximum power (kW)		170			
Maximum torque (N·m)		390			
<strong>Appearance</strong>					
Body color	<input type="radio"/> White	<input checked="" type="radio"/> Green	<input type="radio"/> Gray	<input type="radio"/> Black	<input type="radio"/> Dark Green
Interior Color	<input type="radio"/> Dark	<input type="radio"/> Brown	<input type="radio"/> White		

# Main Specification - Configuration Comparison

## Machinist

Rearview camera system

Cruise control

Driver/Co-pilot airbags



## Adventurer

- 360-degree panoramic imaging system with undercarriage view
- ACC adaptive cruise control
- Driver/Co-pilot airbags + Side airbags for both front seats
- Lane departure warning system
- Road traffic sign recognition
- Active braking/Active safety system
- Rear differential lock

# Main Specification - Configuration Comparison

## Machinist

265/70R17 HT Tires

Rearview camera system

Cruise control

Driver/Co-pilot airbags



## Officer

- 265/65R18 HT tires
- 360-degree panoramic imaging system with undercarriage view
- ACC adaptive cruise control
- Driver/Co-pilot airbags + Side airbags for both front seats
- Lane departure warning system
- Road traffic sign recognition
- Active braking/Active safety system
- Rear differential lock
- External searchlight + Rear privacy glass

# Main Specification - Configuration Comparison

## Machinist

265/70R17 HT Tire

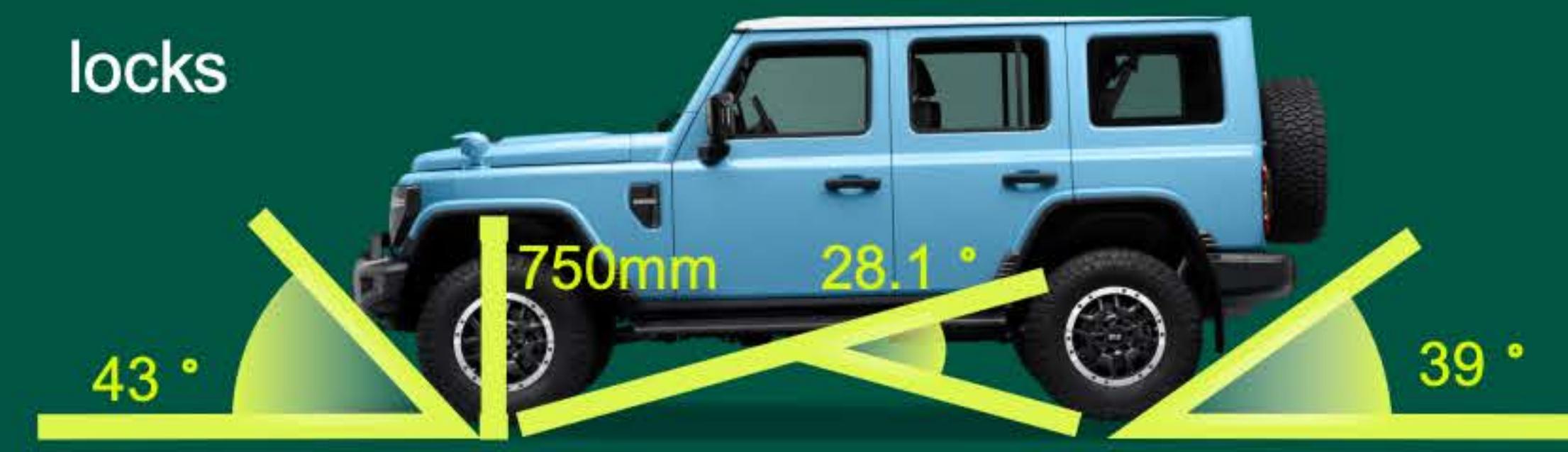
Rearview camera system

Cruise control



## Navigator

- 285/70R17 AT tires
- 360-degree panoramic imaging system with undercarriage view
- ACC adaptive cruise control and road traffic sign recognition
- Lane departure warning system and active braking/active safety system
- Mono-tube nitrogen shock absorbers, water wading snorkel, bull bar
- Front/rear axle electronically controlled differential locks



# Main Specification - Configuration Comparison

## Machinist

Rearview camera system

Cruise control

Driver/Co-pilot airbags



## Russia Version

- 265/70R17 AT tires
- 360-degree panoramic imaging system with undercarriage view
- GLONASS system
- Heated steering wheel, heated front and rear windshields, heated washer nozzles
- Front/rear axle electronically controlled differential locks
- Sunroof

# Main Specification - Configuration Comparison

## Machinist

Rearview camera system

Cruise control

Driver/Co-pilot airbags



## Gulf, Iran Version

- 265/70R17 AT tires
- 360-degree panoramic imaging system with undercarriage view
- Electric adjustment for both driver and co-pilot seats
- Front seat heating and massage functions (driver's seat only)
- Automatic folding of exterior mirrors upon locking, sunroof
- Front/rear axle electronically controlled differential locks
- E-call (optional)

# Color Options

03

# Exterior Color



Dark



White



Green



Gray



Dark Green



Blue  
(Color Matching)

# Interior Color



Black



Brown



Gray

Note: There is a certain color difference between the real car and the photo, and the specific color is mainly the real car.

# Configuration Highlights

04

# Body and Chassis - Body



- The vehicle features a 7-horizontal and 2-vertical roof support structure, with a maximum gap of no more than 300mm between each pair of crossbeams. The high-density arrangement of the crossbeams ensures a more uniform distribution of force and enhanced pressure-bearing capacity.
- The floor is reinforced with 6 horizontal and 6 vertical beams, complemented by a four-chamber force-transmitting ultra-strong engine compartment and hot-stamped door rings, forming a robust cage-like structure.
- The utilization rate of high-strength steel reaches 71%, with the highest strength exceeding 1500Mpa, and the torsional rigidity is up to  $16286\text{N}\cdot\text{m}/^\circ$ .

# Body and Chassis - Frame



- The trapezoidal frame is equipped with 6 sturdy crossbeams, and the mounting points to the body have been specifically optimized for dynamic stiffness, with high-strength steel accounting for up to 99% of the material used.
- The cross-section of the frame's longitudinal beams in critical areas can reach 120mm\*160mm, with a torsional rigidity of 3591N·m/°, capable of fully absorbing and resisting road bumps.
- It is suitable for fuel and hybrid power systems; accommodates both soft and hard axle chassis structures; and is compatible with the body structure forms of off-road vehicles and pickup trucks.

# Body and Chassis - Front and Rear Axles

The product features a five-link solid axle suspension system —

Front suspension  
upper travel

**114mm**

Front suspension  
lower travel

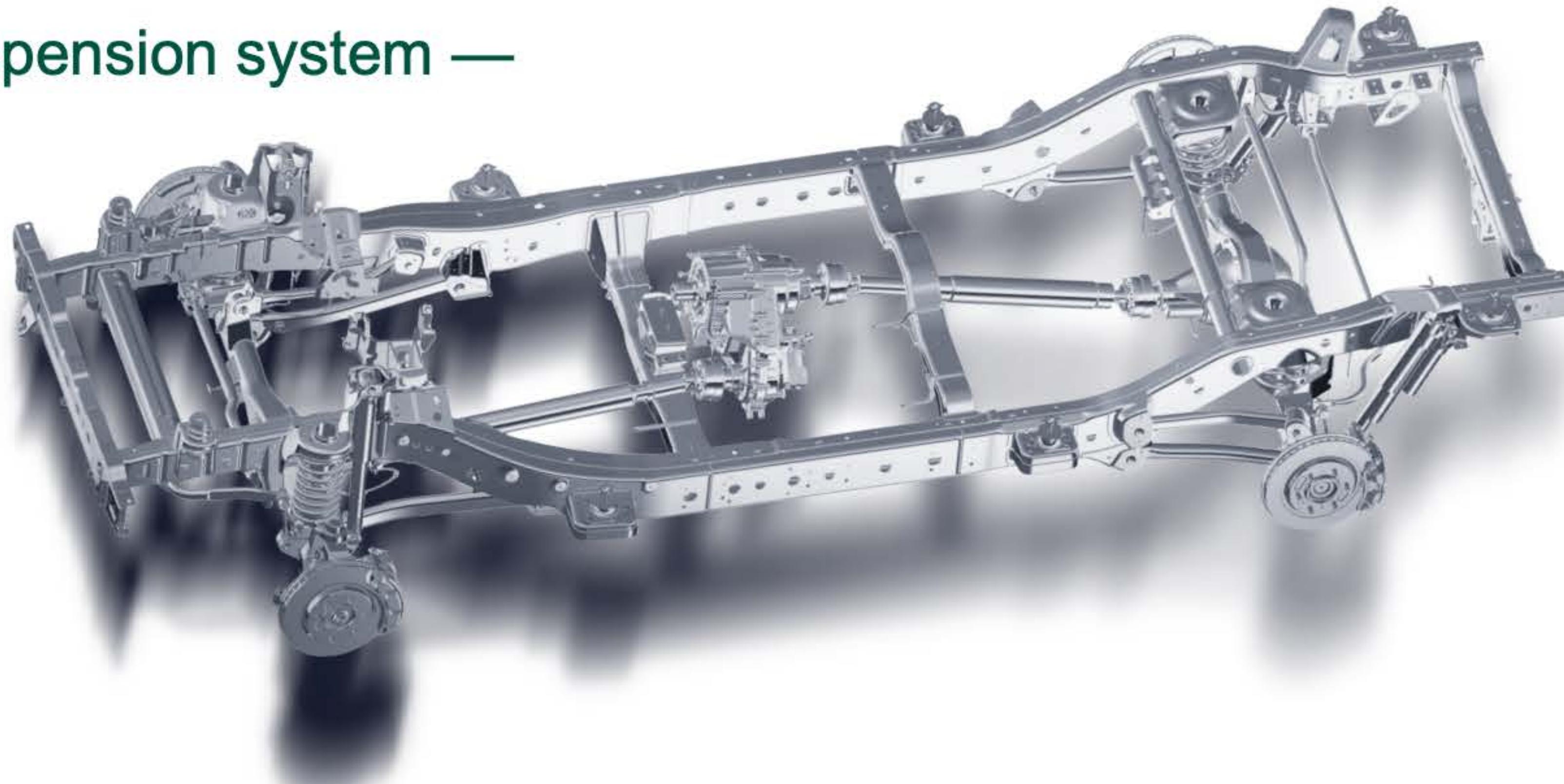
**89mm**

Rear suspension  
upper travel

**131mm**

Rear suspension  
lower travel

**91mm**

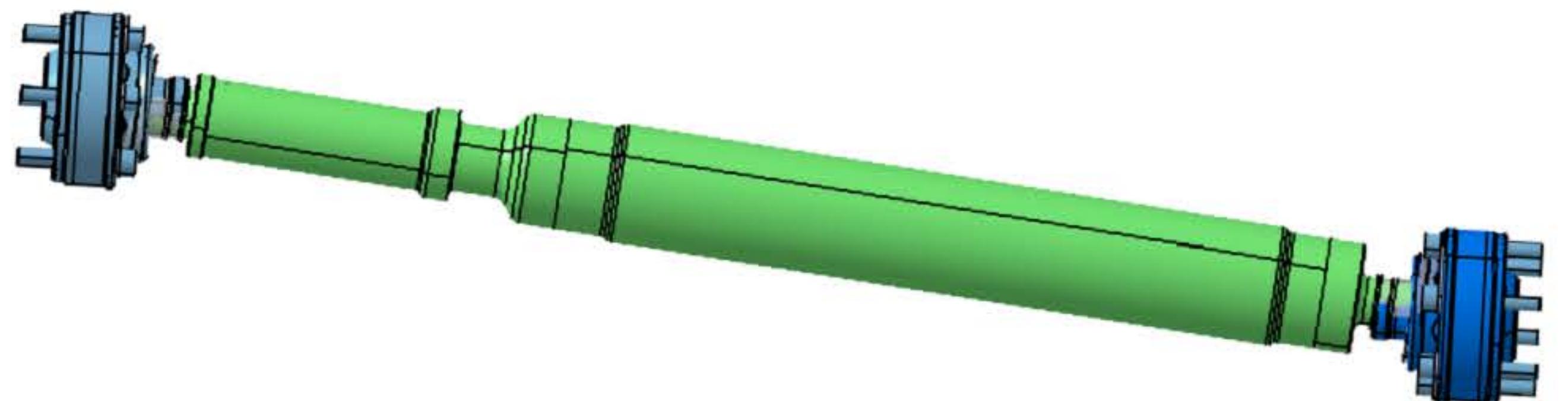


- The front axle employs a five-link non-independent suspension with an integrated steering drive axle:
  1. It boasts a high load-bearing capacity, a simple structure, and enhanced stability and reliability, enabling the off-road vehicle to tackle more severe road conditions;
  2. It offers better lift modification potential compared to the independent suspension front "soft axle";
  3. Both the front and rear axles utilize a one-piece stamping and welding structure made from a single steel plate, with the axle housing featuring only one transverse weld and one circumferential weld, providing superior rigidity and strength over three-piece or upper-lower piece stamped and welded axle housings.

# Body and Chassis - Other Components

## Drive Shaft:

1. The drive shaft assembly is constructed from 440QZ high-strength steel, offering excellent impact resistance and fatigue resistance;
2. The drive shaft utilizes constant velocity (CV) joints, providing superior NVH (Noise, Vibration, and Harshness) performance;
3. Pioneering the use of a bellmouth constant velocity joint, it can support a maximum extreme angle of 24 °, increasing the travel of the front and rear suspensions and enhancing off-road capability.



## Steering Linkage:

The steering linkage boasts a diameter of **40mm**, endowing it with exceptional strength. It is paired with a steering damper to mitigate shocks, ensuring that the steering system can withstand greater pressure and impact during off-road driving.

# Power Matching - Engine

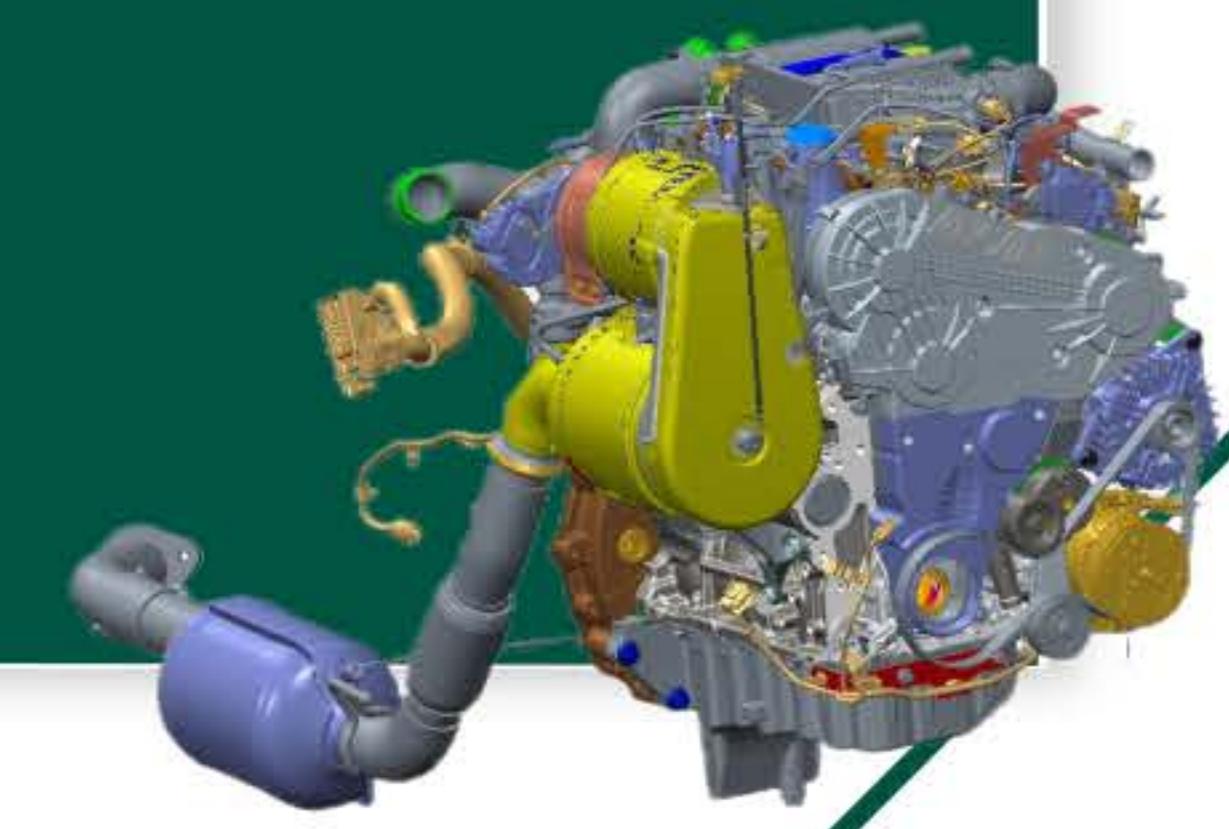
## 2.0T GDI Turbocharged Direct Injection Engine

- Maximum Power: 185 kW Maximum
- Torque: 410 N·m
- 350bar In-Cylinder Direct Injection
- Intake Center Lock/Exhaust Center-mounted DVVT
- High Tumble Combustion
- Twin-Scroll Turbocharging
- Atkinson Cycle
- Full MAP Variable Oil Pump



## YB108 2.0T DieselOuKang Engine

- Maximum Power: 120 kW Maximum
- Torque: 400 N·m
- TVCS High-Efficiency Combustion System
- 2000bar High-Pressure Common Rail System
- CB4 High-Pressure Fuel Pump + 8-hole Fuel Injector
- DOC+SDPF+SCR+ASC Decoupled High-Efficiency Aftertreatment
- High-Efficiency VGT Turbocharger
- High-Pressure EGR System
- Strong Low-Speed Torque
- Lightweight Integrated Layout



# Power Matching - 8AT Automatic Transmission

## 8AT Automatic Transmission

- Platform Excellence:
  - Benchmarked against the latest generation products of international top-tier companies, leading in cost-effectiveness.
- Wide Ratio Range:
  - The transmission boasts a ratio range of 7.81, with a large low-speed gear ratio and a rational ratio gradient.
- High Torque Capacity:
  - Capable of delivering up to 500N·m, suitable for all-terrain off-road conditions.
- Superior Performance:
  - Calibrated to cover multiple operating conditions and modes, ensuring optimal performance across diverse scenarios.



## YB108 ZF 8AT Transmission

- High-Performance Powertrain:
  - The vehicle boasts robust power output, high transmission efficiency, and excellent NVH (Noise, Vibration, and Harshness) quality.
- Durability and Reliability:
  - It exhibits strong stability in high-intensity working environments and holds a reputation as the most renowned and esteemed in the 8AT (8-speed Automatic Transmission) domain globally.
- Handling:
  - With swift shift times, the vehicle maintains strong stability on complex road terrains.

# Product Selling Points

# 05

# Off-Road Capability - Four-Wheel Drive Configuration

The vehicle is equipped with an intelligent mechanical part-time four-wheel drive system, and both the front and rear axles can be configured with electronically controlled locking differentials featuring slip-limiting functionality.

When not electrically locked, it functions as a Torsen Type B limited-slip differential. This differential's slip-limiting capability can distribute torque to the driving wheels in real-time, effectively suppressing wheel slip on icy, muddy, slippery, uneven, and gravelly surfaces, preventing vehicle skidding, and enhancing the safety and driving performance of the vehicle.



In addition, the product is also equipped with a central differential featuring a locking function, facilitating exploration across all terrains.

- Highly Reliable: Features the most globally mass-produced transfer case by BorgWarner, known for its maturity and stability.
- User-Friendly Operation: Offers 2H/4H/4L electronic switching, with a simple human-machine interface for convenient operation.
- Robust Performance: In 4H mode, it can constantly distribute drive force 50:50 front and rear, and in 4L mode, it can amplify torque by 2.5 times, delivering powerful torque.

# Off-Road Capability - Off-Road Parameters

The T01 boasts exceptional all-terrain off-road capabilities. It leads its class in approach angle, departure angle, and ramp breakover angle for terrain traversal, and is among the top tier for water fording ability, with a maximum climbing gradient of **80%**.



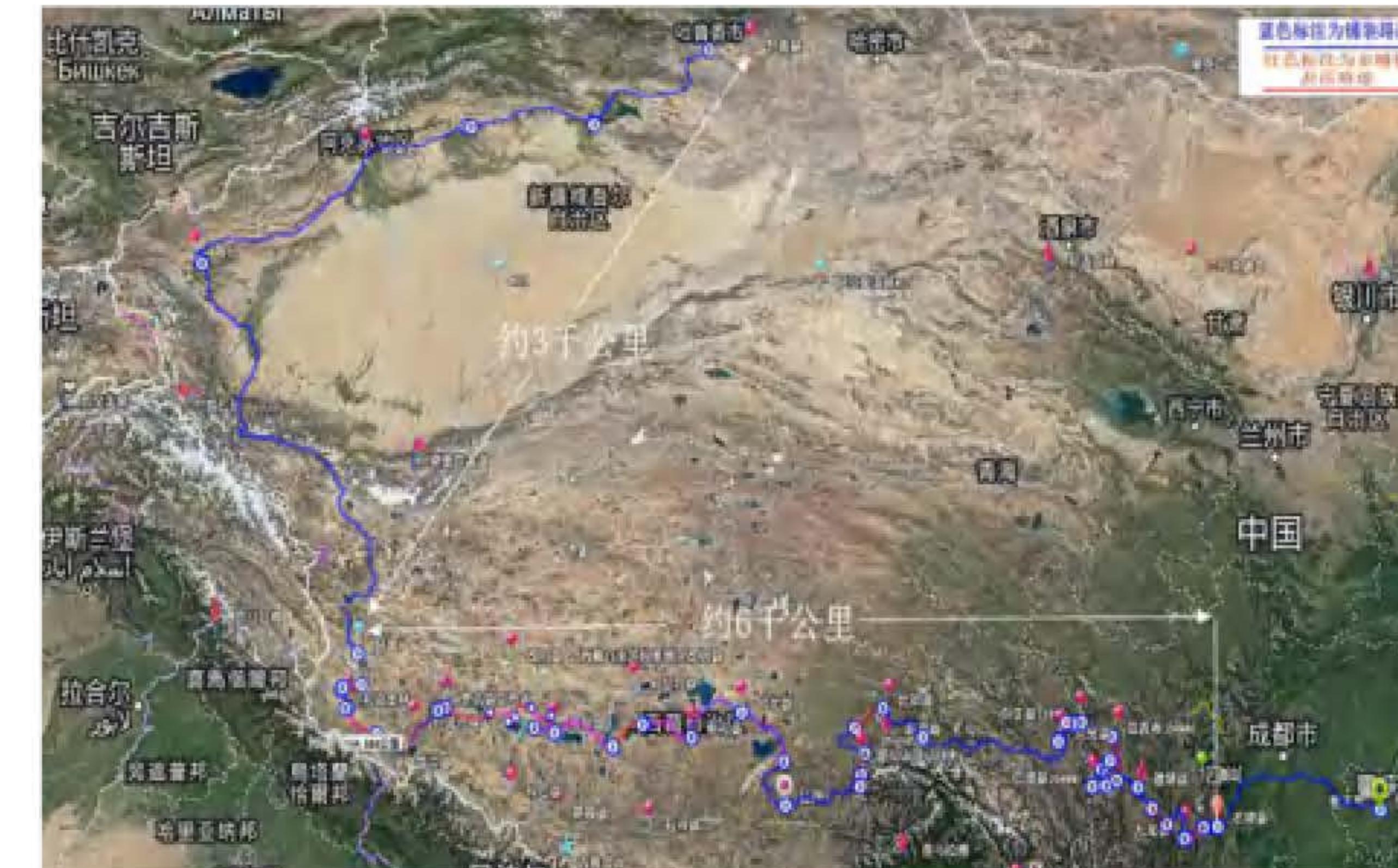
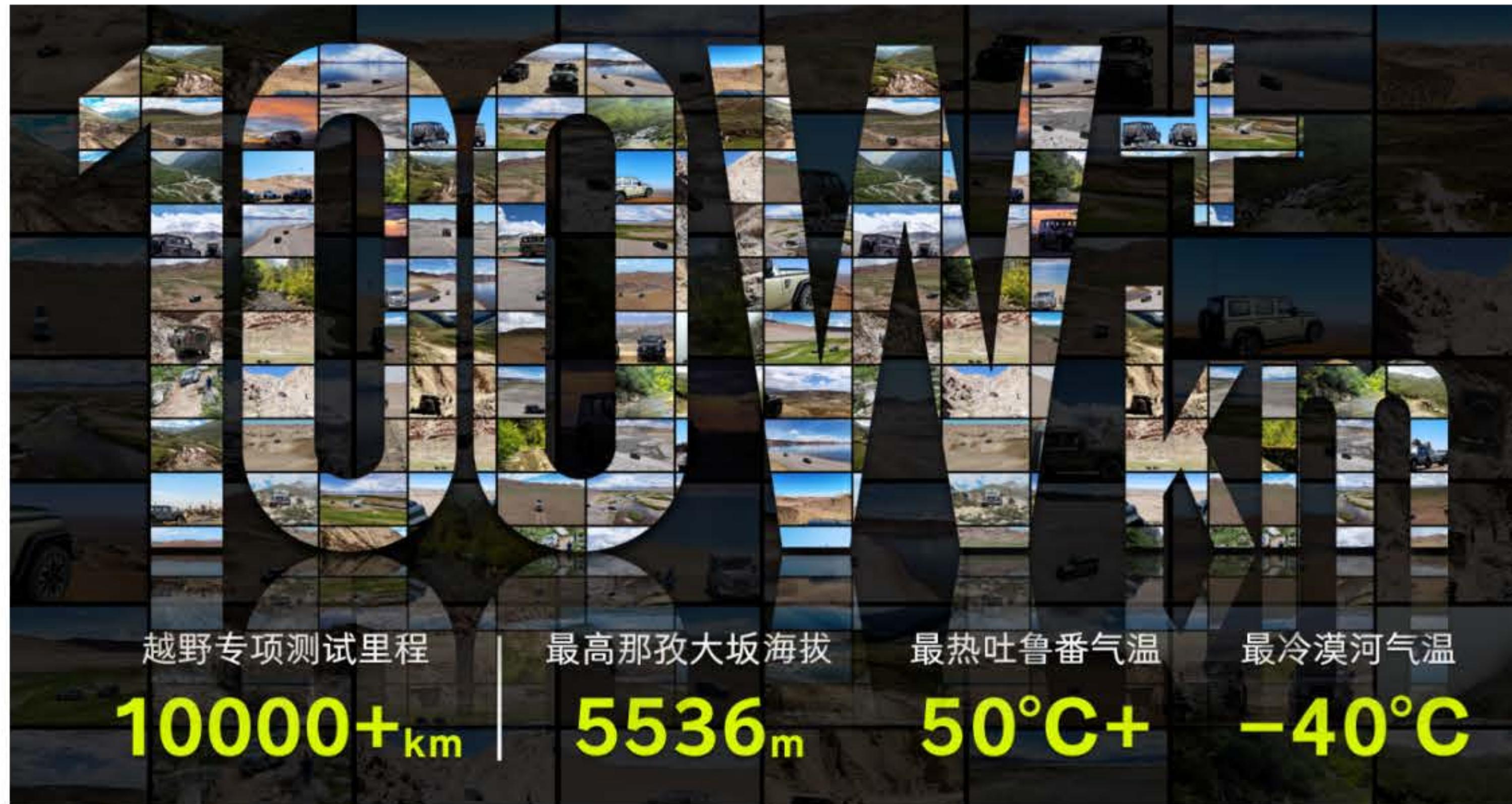
# Off-Road Capability - All-Scenario Modes

All-Terrain Driving System + 8 Driving Modes: Standard, Economy, Sport, Snow, Mud, Sand, Rock, and Water Fording; Covering a richer array of scenarios, it effortlessly conquers various terrains, maximizing the fun and versatility of driving.



- Intelligent 360-degree panoramic imaging + transparent chassis; a full-dimensional 6-axis gyroscope off-road information display system that accurately shows parameters such as compass direction, altitude, atmospheric pressure, temperature, pitch angle, and roll angle.

# Off-Road Reliability - Performance Validation



- 366 rigorous performance tests have been conducted, with a cumulative validation mileage of over 1 million kilometers, ensuring that the functionality and performance of each component are thoroughly verified.
- The vehicle has undergone extreme cold and heat tests ranging from  $-40^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ , as well as high-altitude testing from 150m to 5500m above sea level (the highest altitude test for domestic off-road vehicles), fully validating the vehicle's weather resistance and corrosion resistance.
- A specialized off-road traversal test covered a total distance of over 10,000 kilometers, lasting 40 days, with 15 passes above 5000 meters and over 6000 kilometers above 3000 meters in altitude, thoroughly verifying the vehicle's off-road traversability and extrication performance.

# Thanks

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212