



BJ40 PLUS



02

BJ40 PLUS

- BJ40 PLUS Product Introduction
 - Selling point 1: More popular design
 - Selling point 2 : More large space
 - Selling point 3 : More utility driving control
 - Selling point 4: More smart care
- BJ40 PLUS Product Highlight Summary



01

— **P**opular —

More popular design



02

— **L**arge —

More large space



03

— **U**tility —

More utility driving control



04

— **S**mart —

More smart care



01

Popular

More popular **design**

Face tough guy



Classic front face



Machine body



Handsome car tail

Face tough guy



Classic front face



Machine body



Handsome car tail

Classic front face

Rough is the release of wildness; Angle is the mastery of power; The bully's front face, publicizing the unconventional bold and unrestrained.

LED headlamp

LED headlamp

Five-hole air-
inlet grille

Aperture LED
daylight

Aperture LED
daytime driving
lamp

Off-road kit
lower guard bar



Five-hole high light chrome-plated front grille



Inherit classic

Very bully

Fashion and popular



- BJ40 PLUS is designed of five-hole high light chrome-plated front grille inherited from the family, it not only embodies the unique simplicity of military vehicles, but also takes into account the fashion and popular atmosphere.

Technical Analysis



Inheritance of the family characteristics of the 2nd generation military vehicles



Continue the main line of the word "north" in the front face



Five-hole design

High light chrome-plated material

Function Description

- Family heritage front face, original
- The Main Line of "North" to Enhance Recognition
- Five-hole design, more powerful
- High light decorative strips, fashion and popular

Aperture all-LED headlamp combination



Long Life

Low energy consumption

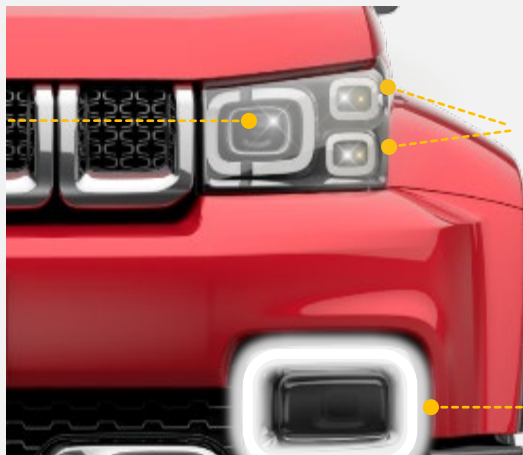
Far illumination



- BJ40 PLUS inherits the classical model. For the first time, it uses the combination of aperture LED headlamp and the LED light source which integrates far and near light. It has higher brightness and longer illumination distance. It also integrates the functions of automatic opening, delayed closing and adjustable height of headlights to show the true character of robust and tough.

Technical Analysis

High & Low
Beam LED
Headlights



Dual LED Width Light/
Turning Light

Aperture LED daylight /
Fog Light

Function Description

- 52 LED beads, energy consumption is 50% of halogen lamp, illumination > 200 m
- All-LED Large Light Source, More Energy-saving
- Aperture LED daytime running light and fog light, integrated bending auxiliary lighting function, make night driving safer



Off-road traction hook



Original Fittings

Convenience Use

Sturdy And Durable



- BJ40 BJ40 PLUS first added original traction hook design, red painted to show the true character of robust and tough.

- **Traction force requirements :**

China National Standard: **1.5 times** the body weight

BJ40 PLUS: **1.5 times the China National Standard**

Technical Analysis



BJ40 PLUS

Beautiful and practical

Traditional vehicle

Inconvenience of installation

Function Description

- Increase the characteristics of off-road vehicle to provide better traction capability
- Red painted, more personality
- Four hooks are designed in front and back to increase the visual impact while providing more off-road vehicle characteristics.



Face tough guy



Classic front face



Machine body



Handsome car tail

The Beauty of Powerful Machine Body



Straight waist line

Tough and Exquisite

- Straight waist line, skirt line, showing the original mechanical beauty
- Easy to deal with scene switching, shuttle between colorful city streets and indulgent green mountains and rivers, it is suitable for both city and off-road

Technical Analysis



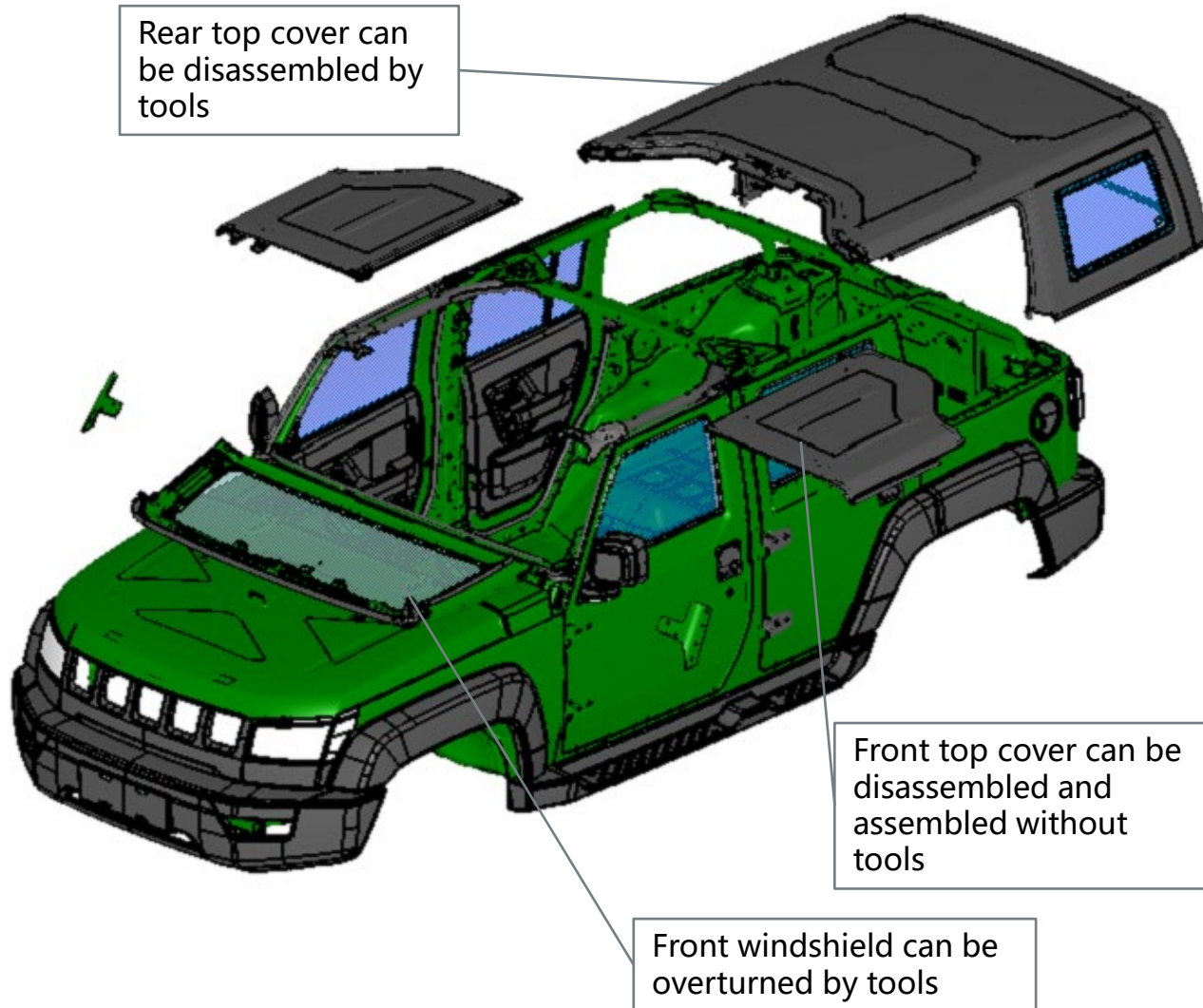
Compared with the classic vehicle, add the current trend elements, **increase the outside body color area**, more atmosphere



Function Description

- According to the needs of customers, tailor-made for the pursuit of personality, add current trend elements, meet the needs of consumers, unique appearance design is more fashionable and personalized.

The Beauty of Powerful Machine Body



Open Body

- The innovative design of BJ40 PLUS series automobile body adopts open combined structure: the windshield can be overturned, the front and rear roofs can be disassembled and assembled quickly, realizing various deformation combinations, **which is the first design of independent civil off-road vehicle.**

Function Description

- While satisfying the off-road enthusiasts ' off-road feelings, we have realized a special off-road driving experience, **which can meet your various off-road needs by changing the shape you want.**

Chrome-plated multifunctional external rearview mirror



Reduce wind resistance

Large area

Full function

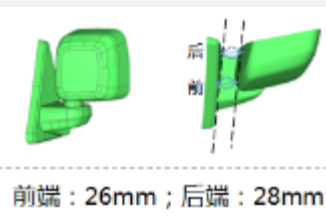


- BJ40 PLUS external rearview mirror has been re-optimization design to reduce wind resistance and noise. Compared with the classic vehicle, it is widened by 20mm and has more full functions. It has high-end configurations such as electric folding, electric adjustment and electric heating.

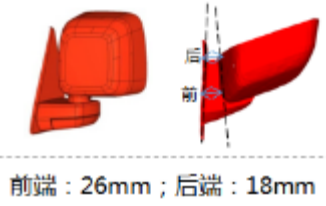
Technical Analysis

1. Electric adjustment
2. Electric folding
3. Electrical heating function
4. Chrome-plated Decoration

BJ40P



BJ40L



Function Description

- Optimized design The area of the peak noise source ($> 75\text{dB}$) on the side window of the rearview mirror is **71%** smaller than that of the classical model., which reduces wind resistance and noise.
- Provide a better range of vision
- Full functions to improve driving safety
- Chrome-plated decoration with more personality

	BJ40L	BJ40P
The area of the peak noise source ($\geq 75\text{dB}$)	0.062 m ²	0.018m ²
Conclusion (The area variation of the peak noise source)	—	Reduce 71%

New Dual-color magnesium alloy rim (optional)



Dual-color rim

Magnesium alloy



- BJ40 PLUS can be equipped with new dual-color magnesium alloy rim. It is featured by fine cutting, sharp edge exposure, firm and powerful, dynamic and static focus
- With 265mm platinum-fixing all-round wide tire, effectively improve traction
- Widening the eyebrows and supporting the upright posture

Technical Analysis



Magnesium alloys: low density, high strength, good heat dissipation, strong shock absorption, high load bearing



**All-round king
265/65 R17**

Function Description

- 235 mm upgrade to 265 mm, enhance visual impact, good traction
- Magnesium alloy material, with platinum-fixing all-terrain tire, off-road performance is stronger

	BJ40 PLUS	HAVAL H5	JMC S350
Tyre size	265/65 R17	235/65 R18	235/65 R17
Tyre brand	COOPER	Maxxis	Maxxis
Tiger price	1109RMB/pcs	739RMB/pcs	639RMB/pcs



Classic front face



Machine body



Handsome car tail

Tough off-road feature tail



Power

Tough

Pure



- BJ40 PLUS tail overall style echoes the front face, the whole tail looks strong and powerful, and the same as luxury tough off-road. BJ40 PLUS's pure tough off-road lineage



BJ40 PLUS Top-fitting vehicle with spare tire cover

Technical Analysis



Benz G500



Jeep herdsman



Benz Unimog



George S. Patton

"Tunnel" LED Taillight



Science and technology

Cool

Safety



- BJ40 PLUS uses full LED taillights, inherits the classics, and the aperture design echoes the head and tail of the front headlights. The whole car has full LED, more uniform light, especially cool at night.
- The position lamp and brake lamp show tunnel effect when they are lit.

Function Description

- Full LED taillights are designed to improve identification and driving safety.
- "Tunnel" model inherits the classic, lighting at night, science and technology explosive shed



Front and rear bright silver plated deck



Integration

Beautiful

useful



- BJ40 PLUS adopts bright silver plated deck with integrated design, which takes into account cross-country practicability and visual aesthetics
- The front and rear bumper lower trim panels can choose plating and spraying effects, which play a protective role in cross-country, both beautiful and practical

Technical Analysis




Function Description

- The front and rear bright silver plated decks enhance cross-country characteristics, show tension and enhance vehicle protection performance.



New style interior design



Soft Stereo
Suspension Control

Exquisite Detailed
Layout Design

Luxury Dual-Play
Sport Atmosphere

New style interior design



- ❑ New interior design style, **rigid and medium with soft, soft and stronger**, new main and auxiliary dashboards, door interior panel and seat collocation, showing a tough and tender side



Luxury Dual-Play Sport Atmosphere



Sporty

Personality



- The interior adopt more vigorous and bright color matching design, which makes the original monotonous cockpit environment full of sports vitality.
- Two color themes of **passion red** and **ice crystal blue** are available
- **Large area soft package for door and console**

Technical Analysis



Benz SL



Cadillac XT5



Land Rover Aurora

Stimulate the
breath of sport

Strong visual
impact

Soft Stereo Suspension Console



Soft

3D

Suspending



- BJ40 PLUS adopts suspended three-dimensional console with large area soft material of central control and door panel and distinct functional area. The 10-inch central control display screen is full of science and technology, which conforms to the design style of luxury off-road vehicle
- Five-hole design, which echoes the front face, fully reflects the sense of fashion

Technical Analysis



Entertainment area

A/C area

Functional area



10 inch central control screen



BAIC LOGO Outlet

Function Description

- Quick access to information
- Layered design is easy to operate
- Large lines are stretched horizontally and longitudinally to give prominence to the sense of space
- Solid and full body, reflecting a sense of strength
- Large area soft tactile material, greatly improving comfort



Exquisite Detailed Layout Design



Exquisite

Detailed



- Luxury vehicle equipped with piano paint interior decoration, a large area of chrome-plated decoration with rich texture, creating a luxury technology cockpit; exquisite materials reflect the quality of BAIC car, and enhance the quality of the vehicle. Exterior rigidity, interior softness, considerate and considerate, where the tentacles are accessible, are all covered with soft.

Technical Analysis



- **Piano painting process**, with grid texture, first-class touch
- **Instrument panel adopt three-dimensional laser texture**, with chrome plating decoration process embellishment, so that it is more delicate.



- **The copilot handle adopts transparent plating and radium carving technology** to increase the effect of BJ40 Logo ambient lamp and enhance the sense of technology and quality of vehicles.



02
Large

More large **space**

Comfortable
Enjoyment

de

Cabin Environment

Multifunctional luxury seats



Convenient interior space



Dual-zone automatic A/C



Theatre ambient lights



Multifunctional luxury seats



Technology Sense

Comfortable

Luxury



- The driver seat adjusts in 14-way and the passenger seat adjusts in 8-way to alleviate fatigue by driving long distances
- Rear seats back 7-gear adjustment and front seat heating 3-gear
- The acceleration weighting of seat optimizes the deceleration performance of the upper and lower deformations of the seat and improves the comfort.

	BJ40 PLUS	BJ40L	advance
Front Seat Acceleration (m/s^2)	0.445	0.551	19.2%
Rear Seat Acceleration (m/s^2)	0.492	0.686	28.3%

Function Description



Comfortable ride
easy adjustment

- **Double hardness foam seat**, low hardness in buttock position, soft touch; hard position around, strong support; increase the feeling of coating, improve comfort.
- **The seats are made of high-quality**, environmentally friendly and super-fibre. The surface is treated by special coating technology to achieve the same fine texture as Nappa.



French Double Sewing
Technology

Needle distance : 5.0mm
Double seam spacing : 8.0mm

- **The administrative level enjoys the equipment**, does not fear the cold and the summer, gives you the four seasons the same consideration.
- **High standard French double stitching process** ensures three-dimensional and tidy stitching

Convenient interior space

The exterior reveals domineering, while the interior carries a vast range of vertical and horizontal dimensions - larger body size, more spacious interior riding space.

532L

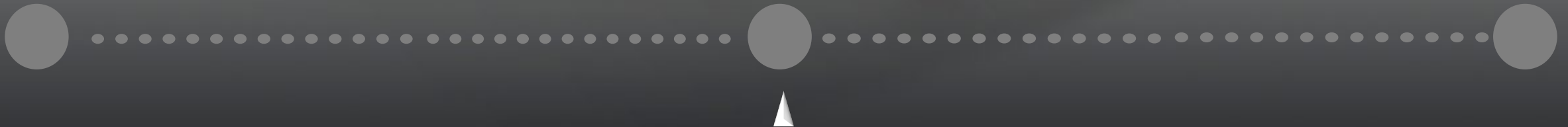
- Rear seats 4/6 down
- Back-to-back 7 gears adjustable
- Smooth layout and high utilization rate
- External spare tire saves space

• The rear seats can adjust the angle of the backrest, fold and flip to provide a rich and varied space for the back and trunk.

Double cup seat
back row central
armrest

Opposite wide
central armrest

965L



Convenient interior space

Convenient

Humanization

- The interior design of many practical human storage space, for daily use and family travel increased convenience.



Intelligent temperature control system



Intelligent

Dual Zone

Energy Saving



BJ40 PLUS adopts intelligent two-zone temperature control system, double-zone independent control, personalized setting of temperature and air volume.

- Cold air function is added in glove box, and cool drinks can be drunk when you go out to play. It is a humanized design.
- Take full account of the needs of each passenger. Winter and summer, let you immediately have their own comfortable environment.

Technical Analysis

- According to the environment condition and comfort requirement, the temperature, air volume and air outlet mode are automatically adjusted, and the physical button and touch double mode control are adopted.
- Using pollen filtration system to provide healthy internal environment

Function Description

- Double-zone independent control, more convenient and comfortable
- Temperature control is more accurate and comfortable
- Air conditioning automatic control power consumption, reduce fuel consumption
- Voice control air conditioning, avoid manual control trouble operation, ensure driving safety

Functional interface



Theatre ambient lights

The opening ceremony of the theatre is like a light curtain. The blue light is steady and wise.

Halo renzao, enjoy the romantic atmosphere under the night sky, who said that the iron man is not tender



Comfortable
Enjoyment

de

Cabin Environment

Other highlights



Intelligence

de

Technology and equipment

12.3 inch dashboard



10 inch central control screen



Streaming Media Rearview Mirror



12.3 inch dashboard



King's War newspaper



Two themes

LED light source

Force allocation

TEAMMATE



Rich forms



Unified interaction



Full color liquid crystal instrument

Tire pressure system

Tire pressure temperature

Intelligent alarm

Front wheel steering

Dynamic trajectory

Angle display

Information reminder

Off-road function

Maintenance Tips

Fault alarm

General fault

Serious failure

“First Use of Self-owned Brand Off-road Vehicles”

12.3 inch dashboard

Tire pressure system

- Temperature and tire pressure display, single-wheel active warning, unique at the same level, safe driving.
- For your driving safety, please turn on this system.



Classic theme



Technological theme



12.3 inch dashboard

Front wheel steering

- Dynamic Trajectory, Easy to Grasp Vehicle Route
- Angle display, know the steering wheel rotation angle, whether to correct



Classic theme



Technological theme



12.3 inch dashboard

Information reminder

- Off-road information display, gradiometer, compass azimuth, altitude and atmospheric pressure, easy to understand the vehicle off-road dynamic information
- Maintenance reminder, timely maintenance of vehicles to ensure vehicle safety



Off-road function



Maintenance reminder



12.3 inch dashboard

Malfunction alarm

- General malfunction Warning to Improve Traffic Safety
- Alarm for serious malfunction and prevent them in the future



General malfunction



Serious malfunction



12.3 inch dashboard



Indicator icons and Malfunction List



Classic theme



Technological theme



10 inch central control screen



Large

HD

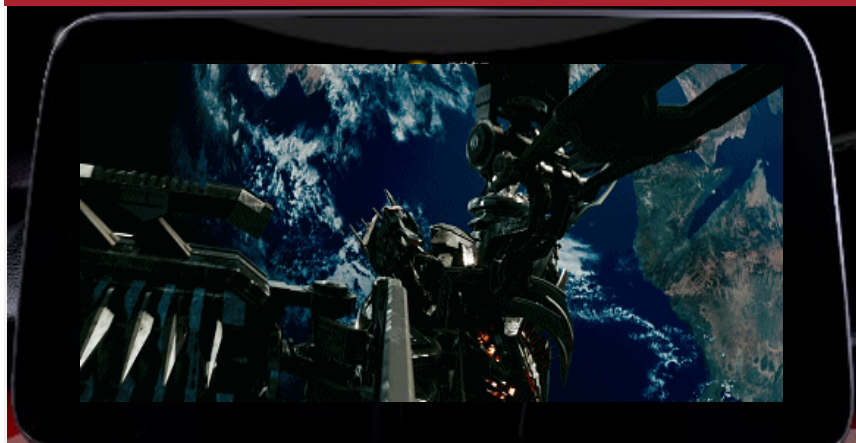
Intelligent



- Super-large screen with multiple application functions and intelligent voice in one, full of face
- **1280 x 720 HD resolution**, capacitive touch, convenient operation and sensitive response

	BJ40 PLUS	HAVAL H5	JMC S350
Size of central control screen	10 inch	7 inch	8 inch

Technical Analysis



- Size of central control screen: 10 inches (the largest in the same class)
- **Reversing image high-definition display, reversing is safer**
- **Supporting U-disk video playback**

Streaming Media Rearview Mirror



Glare-resistant

Wide angle

HD



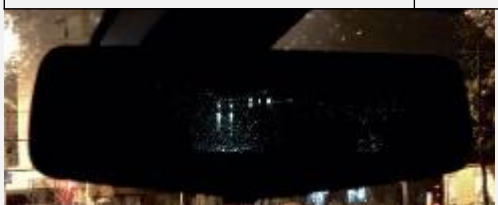
- BJ40 PLUS subverted the traditional inner rearview mirror and used streaming media rearview mirror for the first time on off-road vehicles, displaying the ultra wide angle image behind the body in high-definition on the display screen of the internal rearview mirror with resolution of **1280*272**, and the ultra wide angle of **61.2 degree**, which is far beyond the observation range of the traditional rearview mirror. The design of glare-resistant to ensure clear vision.

Contrast	angle of view °	Ground blind area m
Streaming Media Inner Rearview Mirror	61.2	4.6
Traditional inner rearview mirror	21.6	19

Technical Analysis



Contrast	angle of view°	Ground blind area m
Streaming Media Inner Rearview Mirror	61.2	4.6
Traditional inner rearview mirror	21.6	19



- Automatic glare-resistant, auto-adjusting the lights of rear cars to ensure clear vision



- The camera is located under the rear windshield, avoiding the problem that the rear window can not be seen due to the fog and dust.

03

Utility

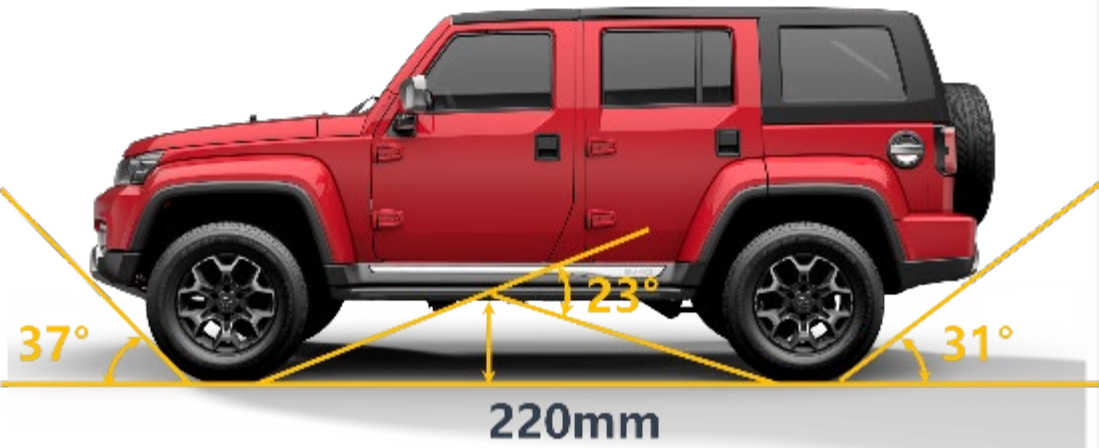
More Utility **Driving Control**

Optimum Design of Body Structure



- Combining customers' needs, based on the chassis, the BJ40 PLUS is longer, wider and higher, the wheelbase is larger and the visual sense is more fierce.

Optimum Design of Body Structure



Comfortability

Ground Clearance

- BJ40 PLUS vehicle is longer, wider, higher, with larger wheelbase, which makes driving experience more stable and comfortable.
- Optimize the chassis structure to improve the vehicle's high trafficability according to customers' needs and preferences

Technical Analysis

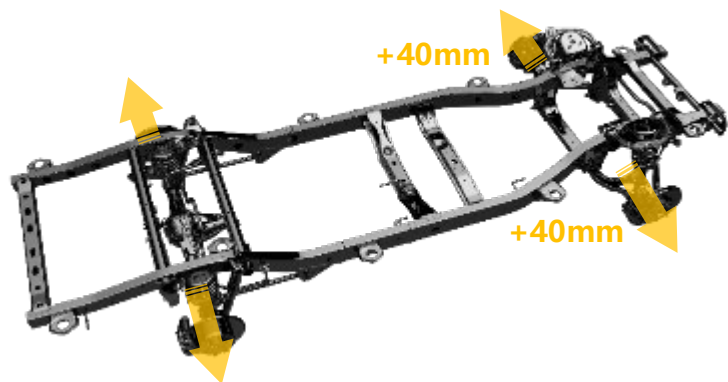
	BJ40 PLUS	16 year BJ40L	H5
Length (mm)	4645	4630	4645
Width (mm)	1925	1843	1800
Height (mm)	1871	1861	1775
Wheelbase (mm)	2745	2730	2700
Approach angle (°)	37	37	31
Departure angle (°)	31	34	26

Function Description

- Better than the same level body size, larger ride space
- It is superior to the passing ability of the same level and more suitable for various complex terrain.



Unloaded body



High strength

Strong shock absorption

More professional

- Trapezoidal girder made of high strength steel is firm and reliable, chassis flexibly connects the body, and the effect of shock absorption and energy absorption is better.
- Compared with the classic vehicle, the front and rear suspensions move **40 mm** outwards, the wheelbase is widened, the support is increased, and the driving is more stable and comfortable.

Technical Analysis

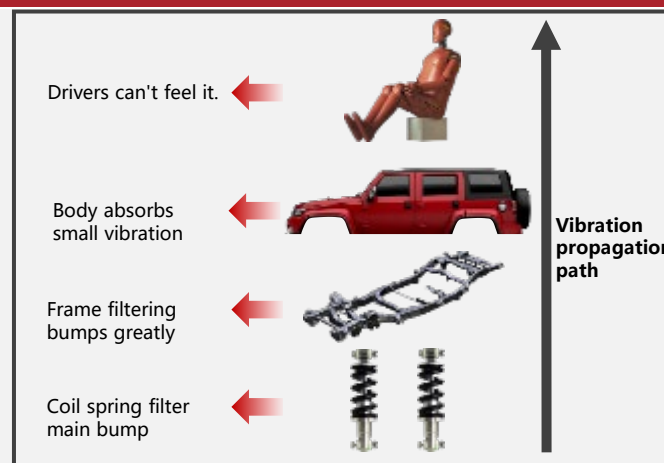


Rapidity and stability

- Higher lateral stiffness of chassis to improve vehicle lane-changing agility
- Higher torsional stiffness ensures vehicle attitude as stable as Mount Tai

Solid and reliable

- Trapezoidal beams made of high strength steel are strong and thick and can withstand all kinds of "ups and downs"
- Even if it encounters boulders, it will not cause damage to the beams, let alone the crew cabin.

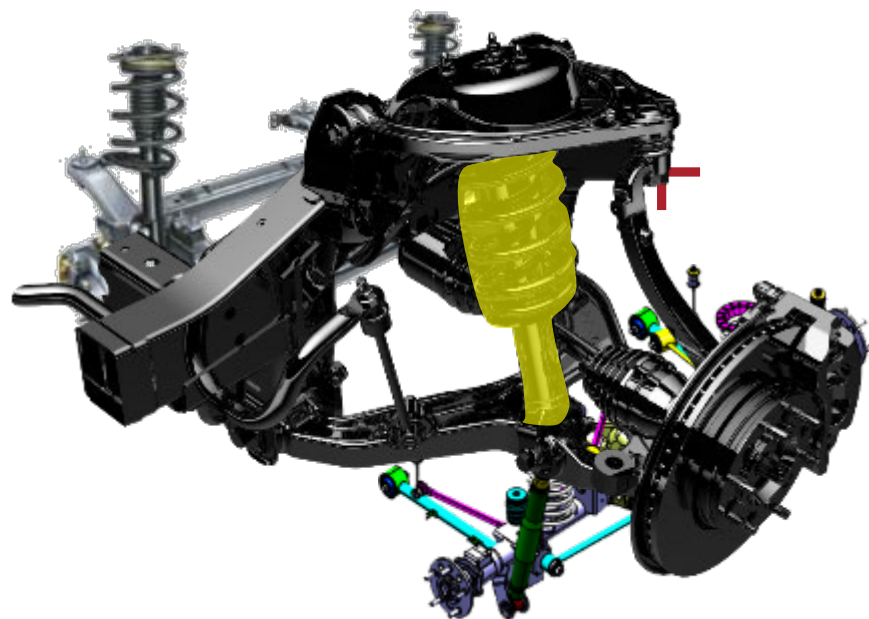


Function Description

Shock absorption and Energy absorption

- When passing through the bad road, the shock absorber connected by the girder is first solved once.
- Then it can be transmitted to the cockpit only after the flexible parts are isolated.
- It's almost impossible for the crew to feel the impact.
- Comfort and NVH isolation far exceed the same level off-road vehicle

Luxury front and rear suspension



Strong manipulation



- Front double wishbone + coil spring and back five connecting rod + coil spring, flagship suspension structure, master chassis adjustment, to achieve a balance of comfort and control
- Optimized suspension travel, compared with the classic vehicle, front + 55mm, rear + 20mm, better comfort and passing

Driving steadily

More professional

	BJ40 PLUS	BJ40L	deviation
Front suspension distance (mm)	-110 to 100	-80 to 75	55
Rear suspension distance (mm)	-100 to 80	-80 to 80	20

Technical Analysis

Function Description

Front suspension with double wishbones

- Excellent lateral stiffness ensures better anti-roll and better maneuverability when turning.
- Improve driving stability and comfort to the same level as urban SUV

Rear suspension with five-bar

- The structure is stable, reliable and easy to maintain.
- It can maximize the tire grip and improve the control limit of the vehicle.

1. Using coil spring and increasing travel, the ultimate cross-country pass ability is stronger, the comfort is better, and the roll attenuation is - 33%.
2. Reduce the probability of wheel suspension and improve cross-country performance in bad road conditions.

T Power Assembly-2.0T/2.3T Engine



Low rotational speed

High torque

Strong power



- Turbocharged engine with powerful power, fast acceleration, low speed, high torque, and more economical fuel performance-price ratio of the same level

Technical Analysis

Engine	2.0T	2.3T
maximum power (kW/rpm)	150	184
Maximum torque (N·m/rpm)	280	350

- 2.0T and 2.3T turbocharged engines with various power options to meet customers' different requirements for power performance
- Energy saving, environmental protection, excellent performance and wide adaptability

T Power Assembly-Aisin 6AT Gearbox



Smooth

Reliable

Intelligent



- Match imported Aisin 6AT gearbox, shift smoothly, reliable performance, taking into account cross-country and city diverse needs
- With 6 active selection modes and 5 intelligent switching modes, **you can get the most suitable shift mode anytime and anywhere according to the driving conditions.**

Technical Analysis

- According to the road condition, the driver actively chooses through the control lever, mode button, cruise button and actuator

- Automatic Selection of Gearbox Based on Vehicle Conditions and Driving Conditions

Normal mode

Sport mode

Snowfield mode

Warming up mode Upslope mode Downslope mode

Cruise mode

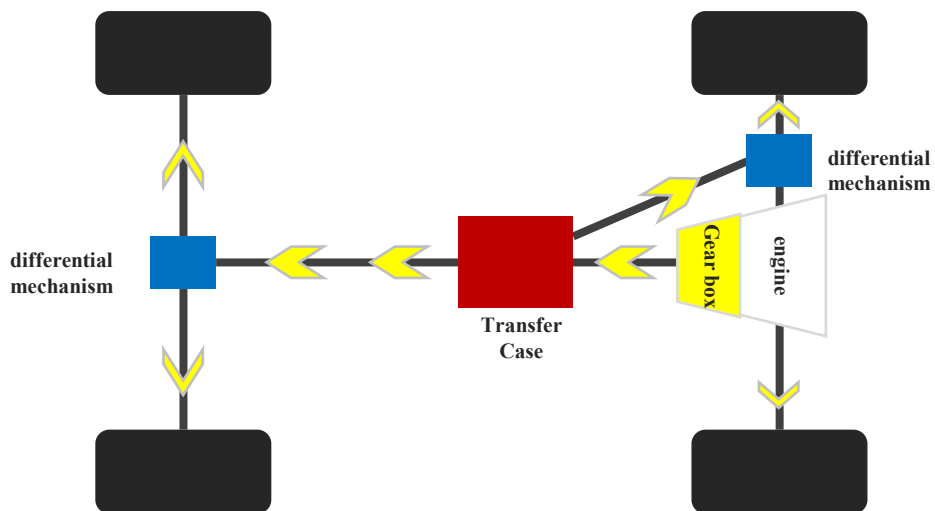
Manual mode

Low-speed off-road mode

Plateau mode

Thermal protection mode

Bogwarner time-sharing 4W drive system



Professional

Multimode

Electronic control



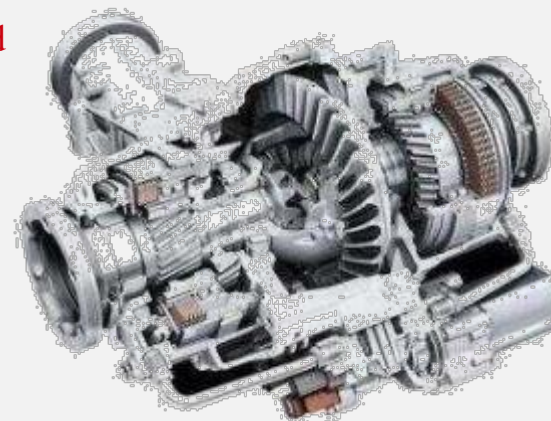
- Time-sharing four-drive system with the same structure as benchmarking off-road vehicles such as horsemen and guards
- All-field road condition adaptation system, three driving modes, easy to deal with various road conditions

Technical Analysis



BJ40L PLUS

- The knob is easy to set and operate, and integrates one-button startup button.
- Stronger, more fuel-efficient and smarter
- ① 2H: High-speed two-drive, cruise weapon
- ② 4H: High Speed Four Drivers, Daily Off-road
- ③ 4L: Low Speed Four-Drive, Limit Out of Difficulty



- **Bogwarner electronic control differential mechanism**
- ① High Speed Silent Chain Widening
- ② Reducing weight of aluminium alloy shell
- ③ Bearing Torque Increase
- ④ Electronic control, one-click fast switching

New Optimized Steering System

Simplified structure

Turning to lightness

Maintenance free

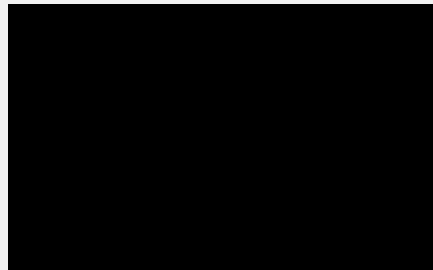
- Compared with the circular ball steering, the minimum turning diameter is reduced by nearly **1 meter**.
- Reduce steering wheel maximum lap by **0.4 laps**
- Lifelong maintenance-free, reduce the cost of use
- Skillfully adding one-way valve at the oil inlet of the steering gear can greatly reduce the vibration of the steering wheel and improve driving comfort; off-road section reduces the situation of "hitters".



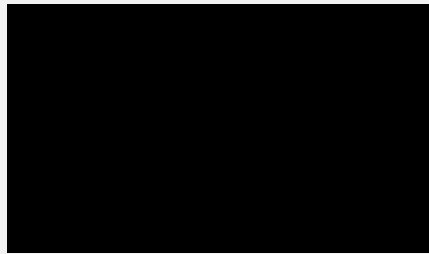
	rack and pinion	recirculating ball	deviation
Mini turning diameter (m)	11.6	12.5	≈1
Steering wheel turn (circle)	3.2	3.6	0.4

Technical Analysis

Function Description



16 year BJ40L
recirculating ball



BJ40 Plus
rack and pinion

■ Rack and pinion steering

- The turning diameter is reduced by **1 m**, which is equivalent to the level of Class B car. The turning circle number is reduced by **0.4 cycles**, and the accuracy is improved. It is more suitable for urban road conditions and high-speed driving.

- Reducing steering dead zone and improving steering wheel directivity during driving

Braking Promote



Greater External Diameter

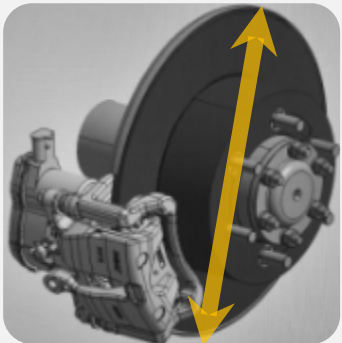
Improved Performance



- Improving brake pump, brake pedal feedback significantly is improved
- Compared with the classic vehicle, the brake disc outer diameter **+ 28mm**
- The braking performance of the whole vehicle is improved by 10%, and the safety of the vehicle is improved.

	BJ40 PLUS	BJ40L	Performance improvement
Brake disc outer diameter (mm)	302 (+28)	274	10%

Technical Analysis



+



- **Brake disc outer diameter + 28mm**, with 265mm platinum-fixing professional all-terrain wide tire, both urban and off-road road conditions, stronger grip, better braking performance
- The braking system has been **specially adjusted** by Mitsubishi automobile braking experts. The pedal force is smaller, the pedal travel is shorter, and the braking system is more sensitive.



04

S mart

More Smart **Care**

Eight-in-one body stability system



Full functions

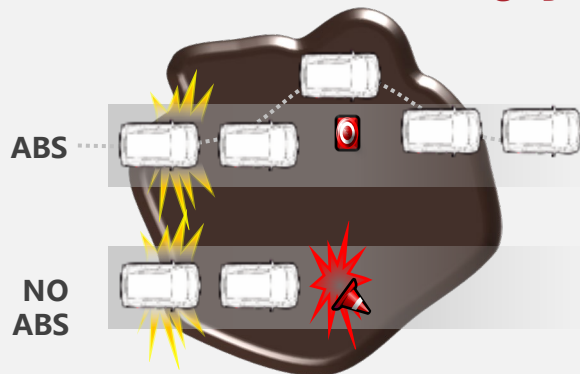
Newer version



- The latest Bosch 9.1 version of ESP and 8-in-1 active security system to make security more comprehensive

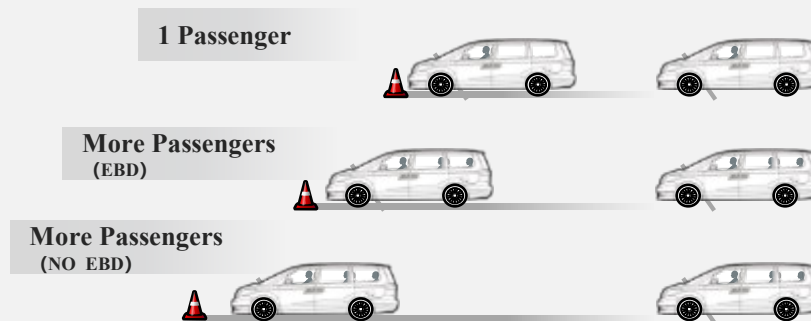
Technical Analysis

ABS Anti-lock Braking System



- It can automatically **control** the braking force to ensure that the vehicle does in case of not **run out of control** over-steering or under-steering.

EBD Brake Force Distribution System



- EBD electronic braking force distribution system can **automatically adjust** the braking power distribution ratio of front and rear axles to **enhance braking** effect.

Eight-in-one body stability system



Full functions

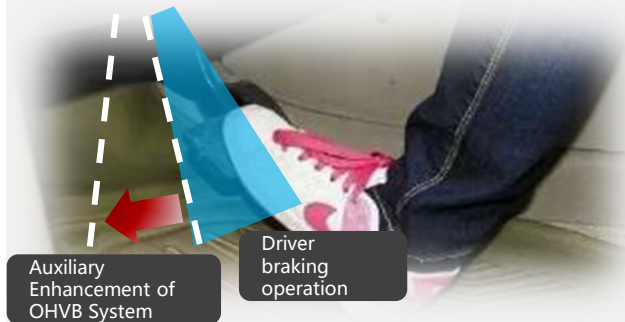
Newer version



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Technical Analysis

EBA Brake Assistance

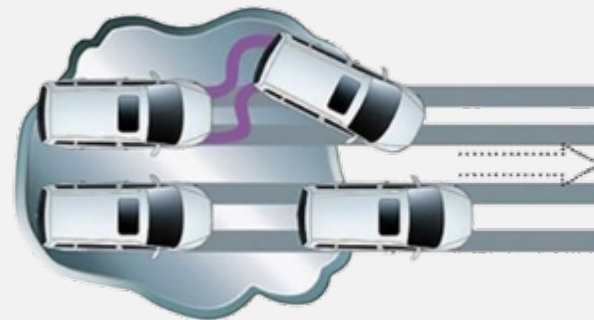


- It can automatically **increase the braking effect, shorten the braking distance** instantaneously and enhance the safety when encountering unexpected incidents in driving.

TCS traction control system

NO TCS

TCS



- When the wheel slips, the driving force is controlled and the braking force is increased when necessary, so as to keep the vehicle running stably and **prevent side slip.**

Eight-in-one body stability system



Full functions

Newer version



- The latest Bosch 9.1 version of ESP and 8-in-1 active security system to make security more comprehensive

Technical Analysis

HAC Upslope Assistance



- When the vehicle starts on the ramp, it can automatically keep braking for 2 seconds to prevent the vehicle from sliding.

Slow descent of HDC steep slope



- When the vehicle goes downhill, without braking, it will automatically give a certain braking force and smoothly pass through the steep downhill section to prevent inertial impact.

Eight-in-one body stability system



Full functions

Newer version



- The latest Bosch 9.1 version of ESP and 8-in-1 active security system to make security more comprehensive

Technical Analysis

RMI anti-rollover control system



- By perceiving the position of the vehicle, adjusting the engine torque and the braking power of each wheel, the lateral adhesion of the vehicle is destroyed when the rolling trend occurs, and the rollover is avoided.

EPB + AutoHold



- Integrating temporary braking during driving and long-term braking after parking to liberate the right foot
- Comfort, Convenience and Safety

Integral trapezoidal girder frame



More professional

More rigidity

High torque resistance



- The beams with two horizontal and eight longitudinal layouts of **professional off-road vehicles** are very strong. They can not only provide adequate protection for key parts such as engines and gearboxes, but also have strong rigidity and torsion resistance on non-paved pavement.

Technical Analysis



- The application ratio of high strength steel to ultra-high strength steel is **57.3%**. It provides strong body rigidity and is conducive to improving safety.
- The use ratio of galvanized sheet is as high as **91.7%**, which guarantees good anti-corrosion performance of automobile body.
- After collision, the beam will absorb the energy generated after collision, minimize the body deformation, and ensure the safety of drivers and passengers in the car.

Function Description

- Improving the anti-impact capability of vehicles, reducing personnel injuries and vehicle losses
- Vehicle dynamic maneuverability is better
- Can withstand greater bending and torsion force, vehicle cross-country performance is better

Integral trapezoidal girder frame



More professional

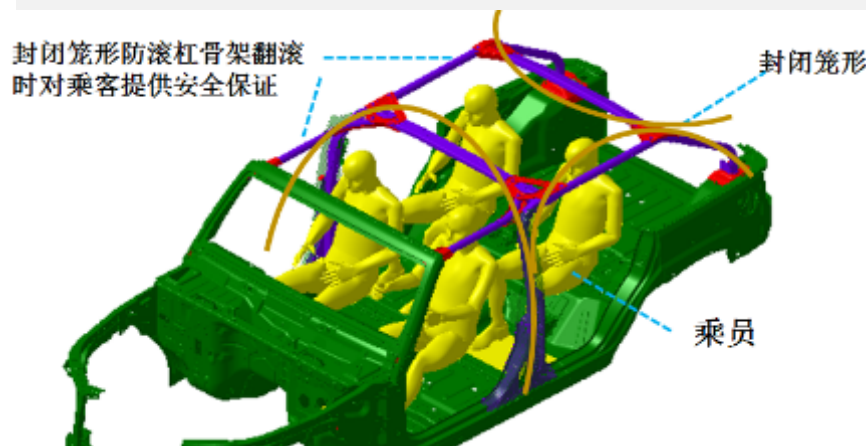
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Technical Analysis



- The super-strong anti-roll bar skeleton forms a closed cage structure on the upper part of the car body, which has super-high strength. Even if the vehicle rolls over, the deformation of the passenger compartment can be guaranteed as small as possible

Function Description

- When accidental rollover occurs under extreme off-road conditions, the safety of passengers in the vehicle can be guaranteed to the greatest extent.

Driving Recorder



Emergency snap

HD picture quality

Circular video recording



- Travel on the road, record the distance
- 1920 x 1080 Full HD high resolution, 140 degree wide angle, easy to cover three lanes
- Inside rearview mirror base integration, save space
- Instant start-up of in-car power supply and intelligent video recording

Technical Analysis



- ① Emergency Video (15 seconds before and after the accident/emergency brake) is stored separately and not covered by cyclic updates.
- ② Locomotive playback
- ③ One-click Photography
- ④ Video cycle update
- ⑤ Parking monitoring

Driving Recorder



Emergency snap



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HD picture quality

Circular video recording

Technical Analysis

Emergency Video



Photo recording



Cyclic storage



Locomotive playback



Excellent vehicle alignment



Dynamic promote

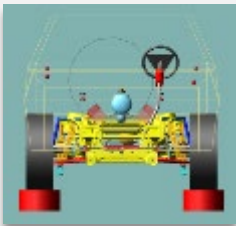
NVH optimize



- Stability is the foundation of automobile public praise, all-round professional adjustment brings reliable guarantee.

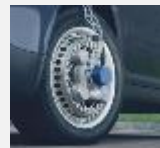
Technical Analysis

Virtual Development of Digital Chassis Dynamic Performance

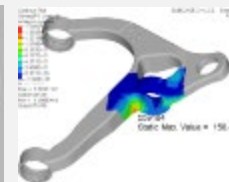


- Suspension for both **highway** and **off-road**
- Highway smoothness and cross-country Trafficability
- Virtual Development of Digital Chassis Dynamic Performance
- Simulation analysis, chassis optimization
- Fine Autonomous Chassis Adjustment
- Consideration of comfort and maneuverability

Intensity Load Prediction for Off-road Vehicles



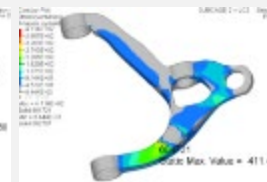
Road Load Collection



Shock absorber position



Dynamic Load Decomposition of Vehicle Parts



Buffer Block position

Fatigue analysis

- Intensity Load Prediction for Off-road Vehicles
- Strength analysis of components under 24 load conditions
- Road Dynamic Load Analysis of Vehicle Fatigue Performance
- Collecting road loads under extreme conditions, decomposing them into key parts of chassis, body and frame to improve vehicle durability

Excellent vehicle alignment



Dynamic promote

NVH optimize

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NVH level		BJ40-P	herdsman
idling (N-Air Conditioner closed)	Steering wheel vibration m/s ²	0.35	0.48
idling (N-Air Conditioner closed)	Driver's Right Ear Noise dB(A)	42.7	45.3
120 km/h uniform speed on smooth road	Driver's Right Ear Noise dB(A)	71.6	74.7
	Legibility of speech%	47.7	34.0
Vehicle air tightness	SCFM (Standard cubic feet per minute)	128	154

Technical Analysis



Sound quality testing



Steering wheel vibration test



Air tightness test



High Quality Sound Absorbing Roof Material

- Based on the original good NVH, a series of optimizations were made.
- The airtightness of the whole vehicle was improved and the acoustic package was optimized.
- By optimizing **acoustic materials**, **idle noise is reduced**.
- The speed of the electronic fan and the working gear of the blower** are optimized, and the noise in the car is improved.
- Removable high-quality roof sound-absorbing material, heat insulation and noise reduction; three-dimensional knitting, feel comfortable

Excellent vehicle alignment



Dynamic promote

NVH optimize

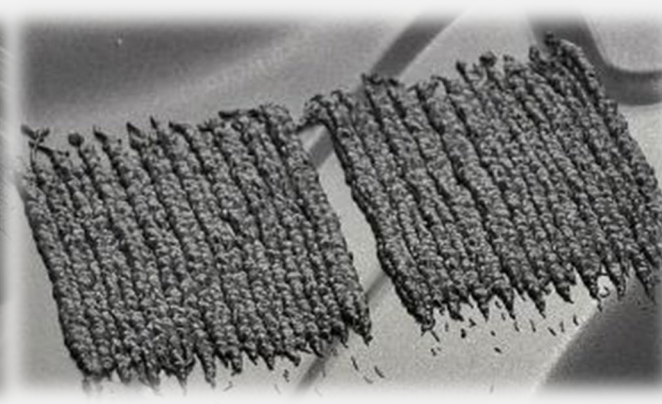


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Technical Analysis

LASD liquid shock absorber glue



- Compared with the traditional asphalt patch, the sound insulation area of LASD vehicle increases by 50%, the cost is high, and the sound insulation effect is better.

All Terrain Four Drivers Explorer

Popular

Popular *design*

- Five-hole high brightness chrome-plated front grille
- All-LED headlamp with aperture
- New bicolor magnesium alloy rim (optional)
- "Tunnel" LED Taillight
- Front and rear bright silver plated deck
- Soft Stereo Suspension Control
- Exquisite Detailed Layout Design
- Luxury Dual-Play Atmosphere

Large

Large *space*

- Convenient interior space
- Multifunctional luxury seats
- 12.3 inch dashboard
- 10 inch central control display screen
- Streaming Media Rearview Mirror
- Theatre ambient lights
- Intelligent temperature control system

Utility

Utility *drive*

- New Optimized Body Structure
- Unloaded body
- Luxury front and rear suspension
- 2.0T/2.3T engine
- Aisin 6AT gearbox
- Time-sharing four-drive system

Smart

Smart *Care*

- Eight-in-one body stabilization system
- Integral trapezoidal girder frame
- Tachograph
- Excellent vehicle alignment



THANK YOU

