

November 2016
Suzuki Motor Corporation

Suzuki IGNIS – the new Ultra Compact SUV

- The new Ignis is an Ultra Compact SUV designed to offer a stylish exterior along with versatile functionality that is convenient and easy to use.
- Its new styling features strong presence that blends a fresh new look with elements that remain true to its Suzuki heritage.
- Suzuki's lightweight and highly rigid new-generation platform incorporates a newly designed suspension system that delivers excellent handling.
- The SHVS (Smart Hybrid Vehicle by Suzuki) system employed by the 1.2 DUALJET engine supports delivering powerful performance and excellent fuel economy.



Suzuki Motor Corporation unveiled the Ignis at the Paris Motor Show as its new global Ultra Compact SUV. The new Ignis wraps convenience and comfort in a stylish new exterior. It exudes Suzuki DNA from every pore, while at the same time introducing an entirely new design with a unique character. In addition to its simple and iconic styling, this Ultra Compact SUV offers the functionality and the performance to provide confident driving in a wide variety of conditions. Sales are scheduled to begin in Europe in January 2017.

Concept

1. Design and utility

In addition to its stylish exterior design, the Ignis features excellent visibility, an easy-to-drive size, a spacious cabin and capacious luggage space, as well as a sense of confidence, even on rough roads. The development goal was to create a purely iconic SUV styling that is undoubtedly Suzuki.



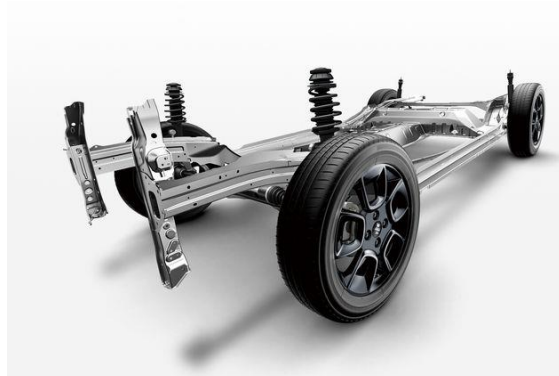
2. Fusing a “simple and iconic” design with Suzuki DNA

While inheriting design elements of the first-generation Cervo and first-generation Vitara, as well as the previous generation Swift, the Ignis introduces simple straight lines and curves that accentuate its distinct personality and appeal, and that give a strong impression at first sight.



3. Powerful performance combined with excellent fuel economy

The Ignis adopts a larger percentage of lightweight and strong high-tensile steel, making it possible to reduce vehicle weight while still maintaining a high level of rigidity. Adding the SHVS mild hybrid system to this realises dynamic driving performance combined with excellent fuel efficiency.



4. Advanced safety equipment

Two stereo cameras monitor the distance between the vehicle and other objects, as well as the shape of those objects. This becomes the basis for the following three advanced safety functions: Dual Camera Brake Support (DCBS), lane departure warning and weaving alert.



5. Display audio with navigation function

Support for various smartphone connectivity systems allows the driver to connect a smartphone and access compatible apps on the touch screen display. Inserting SD cards that contain map data also enables the use of the navigation function.



Design

- Despite the compact size, its body shape conveys an impression of strength.
- While emphasising its personality, the cabin environment speaks of quality.
- Customers can choose from a selection of smart, advanced body colours in combination with matching interior colours*.

*The two interior accent colours are set in accordance with the selected body colour.

Exterior design

The impressive shape of the Ignis body begins with the distinctive front face that integrates the striking gaze of the LED headlamps and the strong lines of the front grille. It continues with the robust shoulders that suggest strength while the surface of the lower body exudes expressiveness. It is a simple design that at the same time presents a familiar, lovable expression. It also inherits the first-generation Cervo's slit-like C-pillar design and the Swift's distinctive blacked out A- and B-pillar design, as well as other

distinctive Suzuki SUV design elements such as the fender garnish and clamshell bonnet. The resulting package carries Suzuki's SUV heritage into a new era.

Interior design

In addition to its simple yet unique design, the characteristic image of the Ignis is further enhanced by its interior ambiance. The round shape of its air-conditioning system's panel and the advanced feel of its distinctive meter cluster design combine to give the cabin environment a futuristic look.

The sweeping horizontal line of the instrument panel uses materials with rich texture to create a design that conveys breadth and roominess. The orange and metallic titanium accent colours add an extra touch of quality to the cabin and help establish an active image that befits a SUV.

Colour variations

The new Ignis offers a rich lineup of 14 colour patterns, including three new body colours and the two-tone offerings. Two accent colours available for the interior match the body colours and enable drivers to choose the new Ignis that best suits their individual tastes.

■ Body colours (total of 14 colours available)

• Three new colours

Flame Orange Pearl Metallic: Expresses a bright, strong image resembling the colour of heated metal.

Neon Blue Metallic: This luminous blue colour evokes an image of neon lighting.

Helios Gold Pearl Metallic: An energetic colour that conjures images of the sun shining in space.

• Six other colours

• Five two-tone colours (with a black roof)

■ Interior colours

Two accent colours* further heighten the bold image of the black and white two-tone interior colour.

Orange accent (on the floor console and inside door grips)

Titanium accent (on the floor console and inside door grips)

*The accent colour is paired to match the choice of body colour.

Utility

- A roomy cabin with a sense of freedom and large-capacity luggage space
- A high eye-point that provides excellent visibility
- Display audio with navigation function

Capacity

Adopting Suzuki's new-generation platform minimised the size of the engine room while maximising the space available for cabin occupants and luggage. Within its compact body size, Ignis features a roomy and comfortable cabin with space between occupants, ample headroom and legroom contributing to its relaxing environment.

Another feature is large-capacity luggage space of 267L*, (227L* for the ALLGRIP model). It also adopts sliding rear seat functionality that, combined with the ability to fold down the rear seatbacks, makes it possible to accommodate a wide variety of luggage.

* Measured using the German Association of the Automotive Industry (VDA) method, with the rear seatback fixed in the raised position.

Storage

The cabin features extremely convenient storage spaces. In addition to the two-section glove box design, there are bottle holders in the centre and rear consoles as well as in the front and rear doors. The overall design goal was to maximise the ease of everyday use.

Visibility

With a tall 180mm of minimum ground clearance, the Ignis enhances driving performance on rough roads, while also enabling a seat position that provides clear visibility and makes driving easier. The high seating position also contributes to easy ingress and egress the cabin.

Smartphone Linkage Display Audio (SLDA)

The audio system incorporates a touch-panel display that is as intuitive as a smartphone. Connect your smartphone via Bluetooth® or USB cable to use compatible smartphone applications through the display, which is also equipped with radio, rear-view camera, and navigation function.

- Android Auto extends the Android platform into the car in a way that's purpose-built for driving. It is designed to minimise distraction so you can focus on driving with Google™ services like Google Maps™, Google Search™.

- Apple CarPlay allows iPhone users to get directions optimized for traffic, make calls, send and receive messages, and listen to music, all in a way that allows you to stay focused on the road with Siri or a touch screen.
- MirrorLink lets various applications on your smartphone appear on the vehicle's touchscreen display, allowing you to access your smartphone's features.

Performance & Safety

- Achieves both powerful performance and excellent fuel economy.
- The new suspension provides excellent handling, and the new-generation platform contributes to roomier cabin space and better fuel economy.
- Adopts the latest safety technologies to mitigate damage caused by collisions.

Engines

A 1.2 DUALJET (K12C) petrol engine, that delivers both powerful performance and excellent fuel economy, powers the Ignis. This combines with the SHVS (Smart Hybrid Vehicle by Suzuki) mild hybrid system to realise even greater fuel efficiency.

SHVS

SHVS (Smart Hybrid Vehicle by Suzuki) is a lightweight, compact mild hybrid system that uses an ISG (Integrated Starter Generator) with an integrated power generator and electric motor, and a lithium-ion battery pack. It is an optimum system for use in a compact car that leverages the electric motor's torque assist and the system's efficient power regeneration to realise better fuel economy.

Transmissions

Five-speed manual transmission: The adoption of a convergent locating system increases the sense of suction when shifting for lighter and better feeling shift action.

Five-speed AGS (Auto Gear Shift) transmission: Based on the five-speed manual transmission, Suzuki's own automated manual transmission automatically performs the clutch and shift operations for the driver.

• ALLGRIP AUTO

The Ignis adopts Suzuki's ALLGRIP AUTO viscous coupling four-wheel drive system. By automatically distributing drive torque to the front and rear wheels when it detects the front wheel losing its grip of the road, the system achieves fuel economy while maximising performance. ALLGRIP AUTO gives the driver peace of mind in everyday driving, especially when driving on slippery roads or snowy surfaces.

Suspension

The suspension was newly designed to best match the new-generation platform. In addition to a lighter and stronger suspension, the suspension mounts, which are an important aspect of driving performance, have also been designed for increased rigidity.

Safety equipment

The Ignis adopts Suzuki's Total Effective Control Technology (TECT) concept that provides a high level of collision safety. Some of the features include collapsible structures that absorb impact energy in the event of a collision, a frame structure that effectively disperses impact energy, and rigid cabin structure.

Other safety features include ESP® (Electronic Stability Program), which helps ensure stability while driving, along with front, side and curtain airbags to protect occupants in the event of a collision from the front or side.

As an additional safety feature, stereo cameras mounted on the vehicle function like human eyes, detecting lane markings as well as objects ahead and their distance away. Based on the size and shape of the object, the cameras can determine whether it is a pedestrian or another vehicle. These capabilities enable the inclusion of the following three advanced safety functions:

- **Dual Camera Brake Support (DCBS):** When travelling at vehicle speeds of 5km/h or above, the stereo cameras detect vehicles and pedestrians ahead, helping avoid collisions and mitigate collision damage through warnings and automatic braking.
- **Lane departure warning function:** When the vehicle is traveling at vehicle speeds of approximately 60km/h or above and is departing the lane without the driver using a turn signal, the system vibrates the steering wheel and lights a warning indicator on the meter panel to draw attention to lane departures caused by factors such as inattention to the road.
- **Weaving alert function:** When the vehicle is traveling at vehicle speeds of approximately 60km/h or above and is weaving from side to side within the lane, the system sounds a warning buzzer and lights an indicator on the meter panel. This draws the driver's attention to weaving caused by drowsiness or other factors.



Way of Life!

Press Release IGNIS

Specifications

Number of doors	5-door				
Engine	Petrol				
Drive system	1.2 DUALJET		1.2 DUALJET + SHVS		
	2WD	4WD	2WD	4WD	
DIMENSIONS					
Overall length	mm	3,700			
Overall width	mm	Without wheel arch extensions: 1,660, With wheel arch extensions: 1,690			
Overall height	mm	1,595			
Wheelbase	mm	2,435			
Tread	mm	1,460			
	Front	1,470		1,470	
	Rear	1,460		1,460	
Minimum turning radius *1	m	4.7			
Minimum ground clearance	mm	180			
CAPACITIES					
Seating capacity	persons	Fixed rear seat: 5, Sliding rear seat: 4			
Fuel tank capacity	litres	32	30	32	30
Luggage capacity *1	litres	1,097	1,056	1,097	1,056
	Max. volume (fixed rear seat)	1,100	1,086	1,100	1,086
	Max. volume (sliding rear seat)				
	Rear seatback folded (VDA method)				
	- fixed rear seat with emergency flat tyre repair kit	501	463	501	463
	Rear seatback folded (VDA method)				
	- sliding rear seat with emergency flat tyre repair kit	514	490	514	490
	Rear seatback raised (VDA method)				
	- fixed rear seat with emergency flat tyre repair kit	267	227	267	227
	Rear seatback raised (VDA method)				
	- sliding rear seat with emergency flat tyre repair kit	260	204	260	204
ENGINE					
Type		K12C			
Number of cylinders		4			
Number of valves		16			
Piston displacement	cm ³	1,242			
Bore x stroke	mm	73.0 x 74.2			
Compression ratio		12.5			
Maximum output	kW/rpm	66/6,000			
Maximum torque	N·m/rpm	120/4,400			
Fuel distribution		Multipoint injection			
TRANSMISSION					
Type		5MT	AGS	5MT	5MT
Gear ratio	1st	3.545	3.545	3.545	3.545
	2nd	1.904	1.904	1.904	1.904
	3rd	1.240	1.240	1.240	1.240
	4th	0.914	0.906	0.914	0.914
	5th	0.717	0.696	0.717	0.717
	Reverse	3.272	3.272	3.272	3.272
Final gear ratio		4.294	4.705	4.470	4.294
CHASSIS					
Steering		Rack & Pinion			
Brakes	Front	Ventilated disc			
	Rear	Drum, leading and trailing			
Suspension	Front	MacPherson strut with coil spring			
	Rear	Torsion beam with coil spring	3-link rigid axle with coil spring	Torsion beam with coil spring	3-link rigid axle with coil spring
Tyres		175/65R15, 175/60R16			
WEIGHTS					
Kerb weight (min./with full option)	kg	810 / 855	830 / 865	870 / 905	835 / 870
Gross vehicle weight	kg	1,330			
PERFORMANCE					
Maximum speed *1	km/h	170	170	165	170
0-100 km/h *1	sec	12.2	12.2	11.9	11.8
ENVIRONMENTAL PERFORMANCE					
Emission standard compliance		Euro 6			
Fuel consumption	Urban	litres/100km	5.5	5.5	5.9
	Extra-urban	litres/100km	4.1	4.1	4.5
	Combined	litres/100km	4.6	4.6	5.0
CO2 emissions		g/km	104	104	114
					97
					106
Specifications may vary for individual markets.					
*1 Manufacture data					

#