



mazda

Mazda BIANTE

zoom-zoom



SKYACTIV
TECHNOLOGY

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TECHNOLOGY



*PERFORMANCE AND QUALITY
YOU DESERVE*

Mazda Biate – it's the exciting, eco-friendly way to move the whole family in style and comfort. With SKYACTIV TECHNOLOGY, Mazda's groundbreaking suite of technical breakthroughs to deliver spirited performance along with superior fuel economy. Plus relaxing, smooth-riding comfort and stability thanks to a suspension system usually only associated with high-end passenger cars. In fact, this three-row, eight-seater minivan sets new standards for eco-friendly performance, spacious comfort, versatile utility and athletic, high-quality styling. So now every member of your family can experience the extra fun and excitement the dynamic, stylish Biate brings to family outings. Choose Biate, and you can be certain you've picked the comfortable high-performer that's easy on the environment. It's the assured way of telling the world that you and your family deserve only the very finest.









- a Instrument panel tray (driver's side).
- b Instrument panel tray (passenger's side).
- c Glove box.
- d Instrument panel tray (centre).
- e Front cupholders.
- f Front door pocket with bottle holder.
- g Rear door pocket with bottle holder.
- h Bottle holders for third-row passengers.
- i Seatback pocket (both front seats).
- j Bag hook (front passenger seat).
- k Assist grip.
- l Rear coat hook.
- m The large capacity rear luggage space easily accommodates bulky items. In addition, a flexible hook can be set on any of the third-row seat slide rails to secure baggage at a desired location.

DESIGNED TO DO THINGS YOUR WAY

What could be better than doing things with your family? And because there are so many things to do together, Mazda Biante is designed to respond flexibly to your every need. First with plenty of space: the cabin has class-leading width (1,545mm) combined with generous length (2,990mm) and height (1,350mm). Expansive side windows with low sills add to the spacious and open impression. Seats are mounted according to Mazda's 'Theatre Layout' with rear seats higher than front seats so all occupants enjoy a good view.

Sliding second- and third-row seats to their rearmost position gives 'Living Mode' offering second-row passengers limousine-like room to stretch their legs. The wide-opening dual power sliding doors and low floor give ultra-easy access to the rear seats, plus you can walk through the second-row seats to the third row, or the one-touch walk-in mechanism folds the second-row seatback for direct access. Power sliding doors with safety touch sensor are standard, and the advanced keyless entry system gives hands-free opera-

tion. Extremely flexible arrangement of the rear seats allows you to carry virtually any combination of up to eight passengers and luggage, including long or bulky items of cargo. A host of storage spaces for small items is spread throughout the cabin and all passengers have a beverage holder close to hand. Finally, to keep the cabin atmosphere clean and fresh, Biante is equipped with an ion generator to neutralize bacteria and odours, while an anti-allergenic filter removes allergens and viruses.

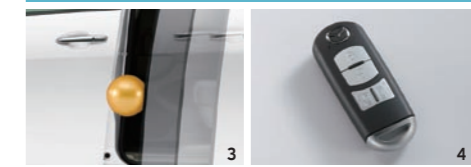
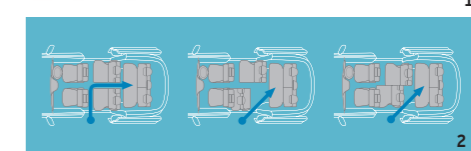
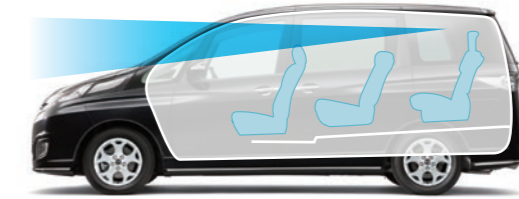


Seat arrangements
Second-row seats offer up to 85mm sideways slide and up to 753mm fore/aft slide, while the third-row seat has maximum 779mm fore/aft slide. The result is truly versatile seat configurations including 'Living Mode', 'Semi-living Mode' and '5 Occupants + Rear Luggage Mode' to meet the widest range of needs.

Living Mode: A huge, open space allows passengers in the second-row seats to stretch their legs in complete comfort.

Semi-living Mode: Ample leg space plus a handy place for bags, etc. with second-row seats moved rearward and the third-row seat cushion available for use.

5 Occupants + Rear Luggage Mode: Ample luggage space is assured, without the need to flip up the third-row seat.



- 1 'Theatre Layout' gives every occupant a clear view.
- 2 Three ways to access the third row.
- 3 Power sliding doors include a safety mechanism.
- 4 Advanced keyless entry key.

nanoe*

The nanoe* ion generator effectively neutralizes bacteria and odours to maintain a clean and pleasant cabin environment.

*nanoe is a registered trademark of Panasonic Corporation.

Anti-allergenic filter operation

Allergen suppression system

Phenol polymer traps allergens by filter. Phenol polymer encloses allergen. Suppression by coating.

Virus suppression system

Green tea catechin traps viruses by filter. Green tea catechin engulfs virus. Suppression by coating.

Biological bacteria removal system

Enzyme attacks cell wall. Lytic enzyme attacks the cell wall. Cell wall undergoes hydrolysis.

The anti-allergenic filter employs a phenol polymer to capture allergenic particles, while green tea catechin is used to coat viruses and render them harmless even when re-dispersed.

ENJOY A NEW STANDARD OF DYNAMIC, ECO-FRIENDLY PERFORMANCE

Mazda Biante is engineered to give you and your family the ultimate in exhilarating eco-friendly driving pleasure thanks to Mazda's revolutionary SKYACTIV TECHNOLOGY. This suite of breakthrough technologies brings you the best of both worlds, delivering superior fuel efficiency at the same time as enhancing Mazda's world-famous Zoom-Zoom performance. The new-generation high-efficiency direct-injection petrol engine SKYACTIV-G 2.0 boasts an exceptionally high compression ratio of 12.0:1 for exciting performance that also sets new standards for fuel efficiency – 10% better than the previous

model's – and emissions control. It's mated with the high-efficiency SKYACTIV-DRIVE six-speed automatic transmission designed to combine the best aspects of every modern gearbox and offer fast, smooth gearshifts with the direct feel of a manual transmission. And to help to save even more fuel, Biante is equipped with Mazda's i-stop idling stop system that gives almost instantaneous restarts.

Widespread use of lightweight, high-rigidity high-tensile steel gives Biante an extremely rigid body in spite of the large door openings, contributing greatly to the superior handling

and ride quality. This lightweighting also helps Biante to achieve its lower fuel consumption. The specially-developed suspension system features a MacPherson strut layout at the front and a multi-link design at the rear to give superb steering response while assuring a luxury sedan-like ride, especially for rear-seat passengers. Electro hydraulic power assist steering gives the driver precise feedback for a superbly natural steering feel. The steering ratio is the same as a passenger car's so handling always feels natural and familiar, and the small turning radius provides nimble manoeuvring in town. Plus all-wheel

disc brakes deliver powerful, linear braking performance.

Optimized upper body aerodynamics combine with careful design of the underbody aero parts for excellent stability in crosswinds and a class-leading drag coefficient (Cd) of 0.30. Large triangular A-pillar windows enhance the field of view, while nighttime and bad weather visibility is supported by high-performance headlamps and front fog lamps. Measures including anti-vibration and sound damping materials effectively suppress road noise, while wind noise is extremely low to provide a quiet, comfortable ride.



SKYACTIV-G 2.0
Max. power: 111 kW/6,000 rpm
Max. torque: 190 Nm/4,100 rpm

SKYACTIV-G 2.0

A vast array of technical breakthroughs – including high tumble ports, cavity pistons, and multi-hole injectors – achieves an extraordinary compression ratio of 12.0:1 while suppressing the knock generally caused by such high compression. For you this means superior fuel efficiency, along with improved everyday driving: compared to the previous MZR 2.0 DISI engine, SKYACTIV-G 2.0 delivers much higher torque in the all-important 2,000~3,000rpm range – the range most frequently used in daily driving. In combination with SKYACTIV-DRIVE's fast, smooth shifting, SKYACTIV-G 2.0 provides spirited, linear response to go with its excellent fuel economy.



Piston cavity assures stable combustion.

SKYACTIV-DRIVE



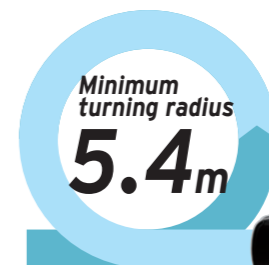
Thanks to a greatly extended lockup range you not only enjoy fast, smooth gearshifts, you also get the direct, connected feel of a manual transmission. Plus a newly-developed control module executes gearshifting with the precision of a professional racing driver – it can even perfectly rev-match downshifts. And as an added bonus, SKYACTIV-DRIVE also improves fuel efficiency.



Mazda's i-stop idling stop system automatically shuts the engine down when you come to a complete halt after braking, saving the fuel wasted when stopped in traffic or at a signal to improve fuel economy. Release the brake pedal and fuel is injected directly into the cylinder ready for an almost instantaneous restart that takes just 0.35 seconds. What's more, because i-stop uses combustion energy rather than the starter motor, restarts are both quicker and smoother.



The broad meter cluster is located at the top of the dashboard towards the driver to minimize eye movement away from the road.



- 1 Automatic transmission paddle shifters mounted on the steering wheel.
- 2 MacPherson strut front suspension.
- 3 Multi-link rear suspension.
- 4 Front ventilated disc brake.
- 5 Wide field of view from the driver's seat.
- 6 Bright discharge headlamp.
- 7 Front fog lamp.
- 8 LED turn signal in the door mirror.
- 9 High-mount stop lamp.
- 10 Small turning radius for enhanced manoeuvrability.

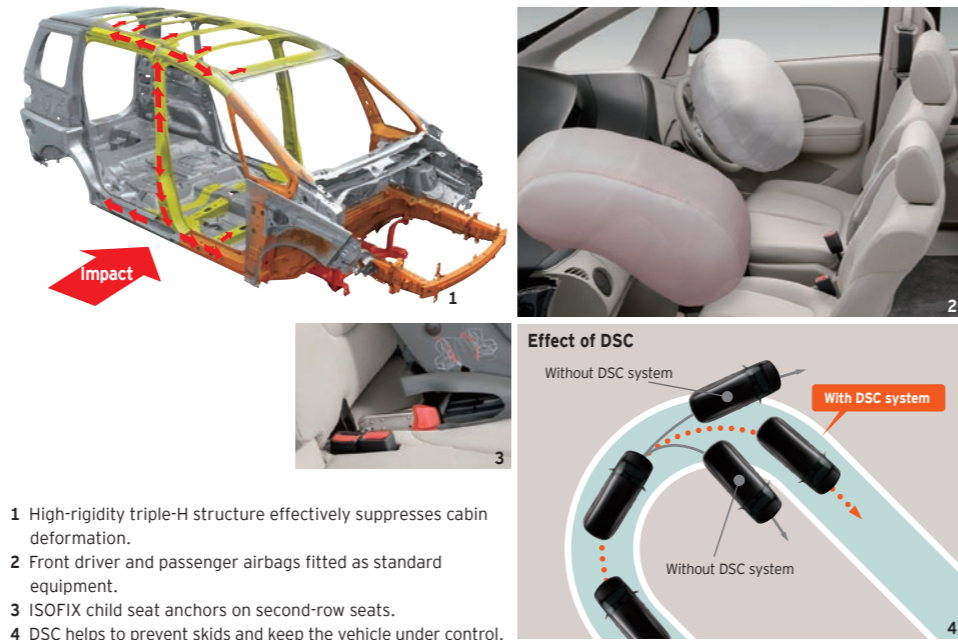




SAFETY IN DEPTH FOR COMPLETE PEACE OF MIND

Mazda Biante is all about enjoying quality time with family and friends. And a major factor in that enjoyment is knowing you are surrounded by advanced safety technologies. It starts with Biante's excellent field of view that allows the driver to clearly see what's happening around the vehicle. This is further supported by Biante's nimble handling that helps you to avoid hazards, along with Dynamic Stability Control (DSC) to manage brake force and torque sent to individual wheels plus superior braking performance enhanced by 4W-ABS

with EBD. To protect you in a collision, the body features Mazda Advanced Impact Distribution and Absorption System construction with crumple zones to soak up impact energy, and a triple-H body structure to preserve cabin integrity in collisions. A further layer of safety comes with front dual airbags, anti-whiplash front seats and a crushable brake pedal. To keep infants as safe as possible, Biante features ISOFIX child seat anchors on the left and right second-row seats for fast, easy installation of a child seat.



- 1 High-rigidity triple-H structure effectively suppresses cabin deformation.
- 2 Front driver and passenger airbags fitted as standard equipment.
- 3 ISOFIX child seat anchors on second-row seats.
- 4 DSC helps to prevent skids and keep the vehicle under control.

Exterior and interior colours



Jet Black Mica (41W)



Clear Water Blue Metallic (40B)



Radiant Ebony Mica (28W)



Aluminium Metallic (38P)



Stormy Blue Mica (35J)



Crystal White Pearl Mica (34K)



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CELEBRATING CHALLENGE, CELEBRATING DRIVING

The history of Mazda stretches back over 90 years – a history of meeting challenge head-on and winning. In 1931 Mazda became the first manufacturer of an entirely Japanese-made three-wheel vehicle, going on to cement its position as Japan's leading maker of three-wheeled trucks, a mainstay of short-haul cargo transportation at the time. At the end of World War II Mazda's home base of Hiroshima lay in ruins, yet Mazda took on the challenge of reconstruction and through innovation and dedication resumed export of three-wheeled trucks within just four years.

In 1961 Mazda accepted another major challenge: development and commercialization of the rotary engine. This unique design for the internal combustion engine presented a host of technological hurdles including development of new materials and the improvement of processing technology precision. And again Mazda engineers rose to the challenge, bringing fresh thinking to the table and succeeding where others had failed. The result was a series of rotary-engined vehicles beginning with the stunning 1967 Cosmo Sport, now a sought-after classic.

It was also the 60s that saw lightweight sports cars hit their peak. But through the course of the 70s, increasingly stringent safety standards and emissions controls caused their numbers to plummet. Once again, Mazda saw a challenge – reinventing the lightweight sports car to meet new safety and environmental standards while maintaining uniquely fun-to-drive characteristics. In 1989 the groundbreaking Mazda MX-5 debuted to instant acclaim and has stayed in production ever since, winning a place in the Guinness Book of Records as the world's best selling two-seater sports car.

Further underlining Mazda's sporting credentials came overall victory in the 1991 Le Mans 24 hour endurance race with the rotary engine 787B. This was the first – and only – time for a Japanese manufacturer to take the laurels in this prestigious event, amply demonstrating that not only do we set out to win, we do it with our own unique technology.

At Mazda, we have always blazed our own trail in our own way. Where others see limits, we see only a challenge as we create vehicles for people who love to celebrate driving.



2

1. Mazda produced its first automobile in 1931, and steadily increased the production volume of three-wheel vehicles after World War II.

2. From development through to production, Mazda engineers share a tradition of teamwork, unified and inspired by their determination to create the world's finest cars.



3



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7



7

3. Mazda began development work on the rotary engine in the early 1960s, a project that faced severe technical problems.

4. By 1967 these technical challenges were overcome, and the world's first rotary-engined vehicle, the Cosmo Sport, was launched.

5. Mazda MX-5 was born in 1989 as a pure lightweight sports car. Enthusiastic fans around the world celebrated its 20th anniversary in 2009.

6. June 23, 1991 saw the rotary-powered Mazda 787B beat the world at motor-racing's most prestigious endurance event, the 24 Hours of Le Mans.

7. At Mazda we look at things differently, aim higher and defy conventions. This has always been a core part of our corporate culture.

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