

MAZDA 2



DJ-ROC-A1
E-185T

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ZOOM-ZOOM

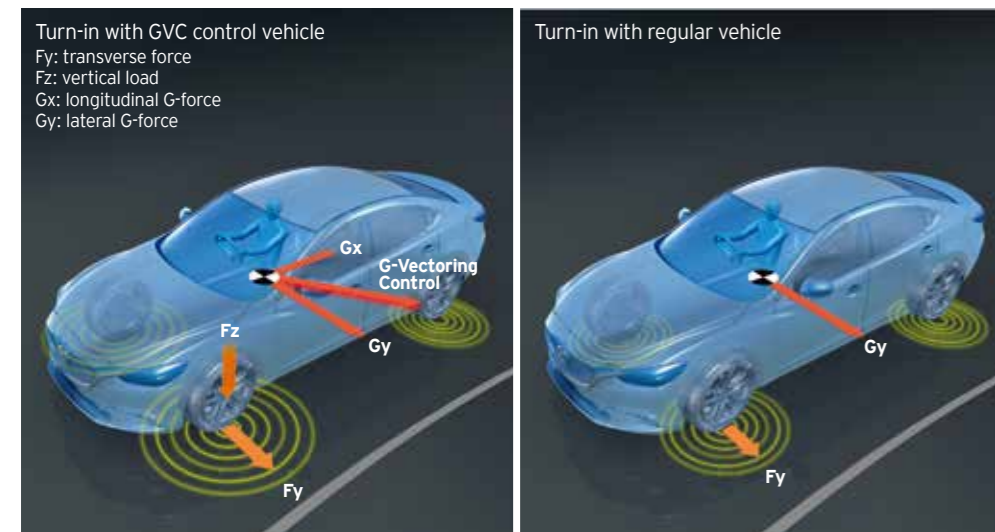


Shattering the class ceiling

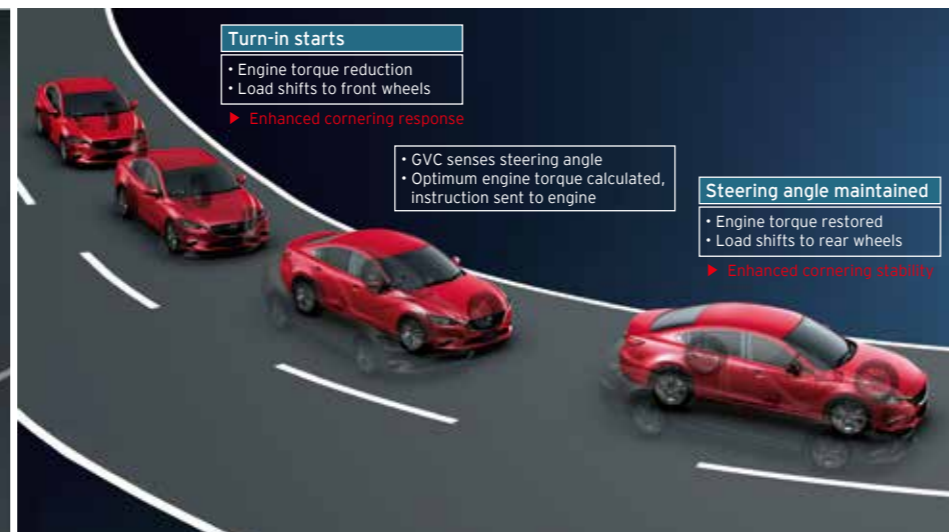
Mazda2 is the once-in-a-generation car that shatters all preconceived notions of its class, offering unprecedented quality, value and outright pride of ownership to drivers around the world. Its commanding, dynamic presence is born from Mazda's KODO – Soul of Motion design language, while Mazda's trademark driving pleasure is delivered in full measure along with outstanding environmental performance, thanks to groundbreaking SKYACTIV TECHNOLOGY. Plus the i-ACTIVSENSE suite of integrated safety technologies supports safer driving and brings you extra peace of mind. And now Mazda2 is newly equipped with G-Vectoring Control (GVC) – the first of Mazda's SKYACTIV-VEHICLE DYNAMICS new-generation vehicle control technologies – to further enhance the *Jinba-ittai* driving experience. All of the know-how and technology that go into Mazda's human-centred design philosophy have been condensed into Mazda2's compact, stylish body, so both inside and out, design and appointments are refined and matured to offer a new level of sophistication and satisfaction that shatters the class ceiling.



GVC conceptual diagram



GVC operation



G-VECTORING CONTROL

Enhancing chassis performance via the engine

Smooth transitions between G-forces when braking, turning and accelerating are an essential element of *Jinba-ittai*, and have been a major development focus at Mazda for many years. This unified feel to braking, steering and acceleration, along with consistent feedback, allows the driver to control the vehicle easily and precisely. And now G-Vectoring Control (GVC) – the debut technology of SKYACTIV-VEHICLE DYNAMICS – takes this dynamic, unified feel to an even higher level. It’s a logical extension of Mazda’s human-centric design and engineering philosophy that not only concentrates on mechanical efficiency but also considers how a vehicle should be in light of human characteristics. GVC is a new approach to controlling vehicle dynamics that uses the engine to enhance chassis performance, and it gives Mazda vehicles even smoother transitions between G-forces in all driving scenarios.

Natural control giving greater response and stability

Conventionally both lateral and fore-aft G-forces are controlled separately. In contrast, GVC adjusts engine torque according to the driver’s steering inputs to give unified control of G-force in all directions and dynamically optimize the vertical load on each wheel. For example, the instant the driver begins to turn the wheel to enter a curve, GVC momentarily lowers engine torque to transfer weight to the front wheels and enhance the front tyres’ grip. Then while a constant steering angle is maintained, GVC recovers engine torque to transfer load back to the rear wheels and heighten vehicle stability. This series of load transfers not only maximizes front and rear tyre grip to enhance response and stability in accordance with the driver’s intentions, GVC does it so smoothly and naturally that neither the driver nor passengers feel any discomfort. And GVC demonstrates this effect over a wide range of situations from low-speed everyday driving to high-speed emergency manoeuvres, and even on slippery road surfaces. Thanks to this dynamic load allocation, GVC greatly

reduces the necessity for steering corrections, enabling the driver to maintain a chosen line with greater confidence and lower fatigue on long drives. What’s more, by smoothing the transitions between G-forces, GVC suppresses the swaying of heads and bodies to give all occupants a smoother and more enjoyable ride.

SKYACTIV-G 1.5

High-efficiency SKYACTIV-G direct-injection petrol engine is your passport to a world of driving that is both exciting and eco-friendly. SKYACTIV-G 1.5 does more than just set new standards for fuel efficiency and emissions control, it also actively enhances the Zoom-Zoom performance that sets Mazda apart. To accomplish this, Mazda engineers achieved a whole series of technical breakthroughs that include a 4-2-1 exhaust system*, high tumble ports, cavity pistons, and multi-hole injectors, to deliver an extraordinary compression ratio of 14.0:1** while suppressing the knock usually caused by such

high compression. Taken together, the technical breakthroughs in SKYACTIV-G 1.5 realize an astonishing increase in fuel efficiency – up to 15% – as well as more satisfying everyday driving thanks to the ample torque available at low- to mid-engine speeds. Now there’s no need to make a choice between fuel efficiency and driving pleasure, because SKYACTIV-G 1.5 delivers both at the highest levels.

Engine performance***

Max. power: 85kW/6,000rpm Max. torque: 148Nm/4,000rpm

*1.5-litre engine with 4-1 exhaust system is available in certain countries.
 **13.0:1 in countries where 91RON fuel is recommended.
 ***Values for engines with the 4-1 exhaust system are 79kW/6,000rpm and 139Nm/4,000rpm.

SKYACTIV-DRIVE

This six-speed automatic transmission combines the smooth operation of a conventional automatic with the fast shifting of a twin-clutch gearbox. Lockup is extended to nearly 90% for the solid feel of a manual transmission, and there’s also the choice of Sports and manual shift modes for sportier driving.

SKYACTIV-BODY

Innovations in structure, construction and materials make Mazda2 lighter, safer and more rigid. Straight structural members, a continuous framework and extensive use of high-tensile steel achieve the contradictory requirements of lighter weight and greater collision-resistance, particularly in the occupants’ area.

SKYACTIV-CHASSIS

To deliver sporty *Jinba-ittai* driving, Mazda2 features strut geometry at the front and a torsion beam axle at the rear, specifically tuned for stability at high speeds and sharp, nimble response at low and mid-range speeds. Bushes on the front stabilizer and rear torsion beam mounts are refined to enhance stability, while revisions to the front and rear dampers add to the flat, comfortable ride. The Electric Power Assist Steering’s characteristics are revised to provide natural, responsive operation with positive feedback, as well as pinpoint control through curves and during straight-line cruising.





Human-centric design: the key to communication

Human-centric design is the key to complete and intuitive communication between you and Mazda2. As well as real-time communication with the world when you're on the road. It's all thanks to Mazda's latest iteration of the Human-Machine Interface (HMI) and MZD CONNECT system. HMI and its human-centric design philosophy now include even your driving position to further enhance the *Jinba-ittai* experience with a panoramic view of the road and all instruments and controls ideally placed to support you in safer, enjoyable driving.



HMI – control centred on you

Modern cars constantly present more and more information which can confuse, and even distract. So Mazda engineered its HMI entirely around you, to provide detailed information with minimal eye movements and stress. Controls, instruments, steering wheel and shift lever are all ideally placed in relation to the driver's seat, with the main instrument cluster and steering wheel – now featuring a new ergonomic shape to optimize grip comfort – directly centred on the driver, while the pedals are positioned symmetrically to fall naturally under the feet. Excellent visibility is assured thanks to A-pillars located rearward to offer a broader view of the road. Mazda2 now boasts a full-colour Active Driving Display with enhanced definition, brightness and contrast. This head-up display shows key driving and navigation system information just above the instrument cluster and just below your horizontal line of sight to keep you fully informed without the need to take your eyes off the road. The large, seven-inch centre display on the dash shows entertainment-related items and functions as a touchscreen when the car is stationary. In motion, the rotary commander provides control. By rotating, pressing and toggling this knob, you can operate entertainment functions while keeping your body and your eyes in the normal driving position. Unlike a touchscreen, there's no need to look at the commander when operating it, minimizing visual distraction. The commander is surrounded by five buttons giving shortcuts to four common screens plus a back button.

MZD CONNECT keeps you in touch

MZD CONNECT gives you versatile internet connection while on the road. It offers an extremely wide range of infotainment options through Aha™ by HARMAN when connected to your smartphone via Bluetooth®. The system's Audio feature lets you access multiple audio sources including AM/FM radio and mobile audio players, and Aha Internet Radio. The Communication feature can read SMS messages aloud as well as other internet social network services such as Twitter and Facebook available via Aha. The Navigation feature shows your current position on a map along with a route to your specified destination. System software is easily updated to give you ongoing access to the latest services without swapping out any hardware.



Equipment



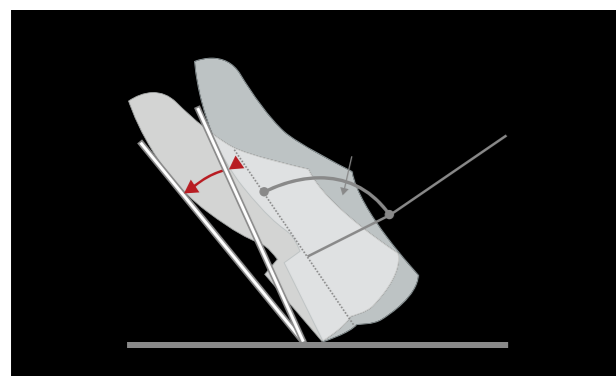
16-inch aluminium wheels feature an elegant harmony between machined metallic brilliance and the refined look of silver paint on the spokes.



Drive Selection switch on the shift gate allows switching to Sport mode, automatically setting the transmission and engine characteristics for powerful acceleration and linear response when merging onto a crowded highway.



The steering wheel features narrower spokes and a redesigned rim with varying cross-section to better fit the hands and give a confident grip for sporty driving.



Compared to conventional hanging-type pedals, the organ-type accelerator offers more precise control for enhanced operability. In addition, the organ-type pedal makes it easier to move the foot over to the brake.



Navigation system data is offered on an optional SD card, allowing display of your current location on a map or suggested routes on the centre display. If the navigation data includes speed limits, a new speed limit warning function displays them in the Active Driving Display.



Within its stylish proportions, Mazda2 offers ample space to accommodate a large suitcase. The wide-opening liftgate enables effortless loading and unloading.

Exterior and interior colours

Body colours



Soul Red Crystal Metallic (46V)



Machine Grey Metallic (46G)



Eternal Blue Mica (45B)



Deep Crimson Mica (45R)



Sonic Silver Metallic (45P)*



Deep Crystal Blue Mica (42M)



Dynamic Blue Mica (44J)



Titanium Flash Mica (42S)*



Jet Black Mica (41W)



Snowflake White Pearl Mica (25D)



Arctic White (A4D)

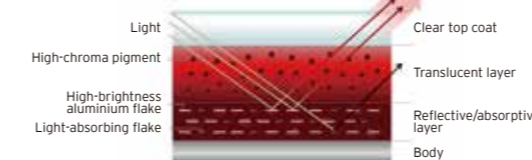


Ceramic Metallic (47A)*



Aluminium Metallic (38P)*

Paint-coat composition



TAKUMI-NURI

Mazda's unique painting technology TAKUMI-NURI (TAKUMI: master craftsman, NURI: painting), with its unprecedented combination of colour, highlights, shade and depth, further emphasizes the sheer beauty and quality of the dynamic KODO design body shape. Now the Mazda2 lineup includes two TAKUMI-NURI body colours: Machine Grey Metallic and the newly developed Soul Red Crystal Metallic. The bright highlights, pure depths and outstanding transparency of Soul Red Crystal Metallic deliver a powerful impression of emotionally charged energy, giving Mazda2 a fresher, more impressive and refined appearance.

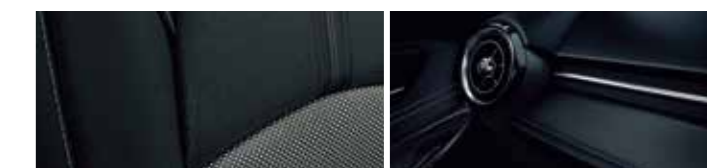
Seat upholstery and decoration panels*



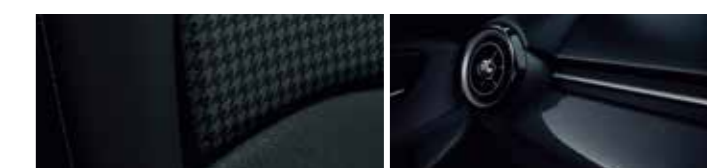
Leather, Black



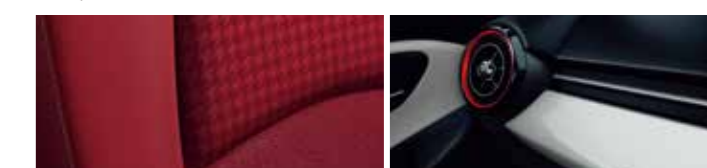
Leather, Pure white



Cloth, Black



Cloth, Black



Cloth, Red



Cloth, Black