

Mazda3 IPM

Hatchback / Sedan



zoom-zoom



魂動

KODO : SOUL of MOTION



Photos are for reference only, all equipments subject to specification sheet.



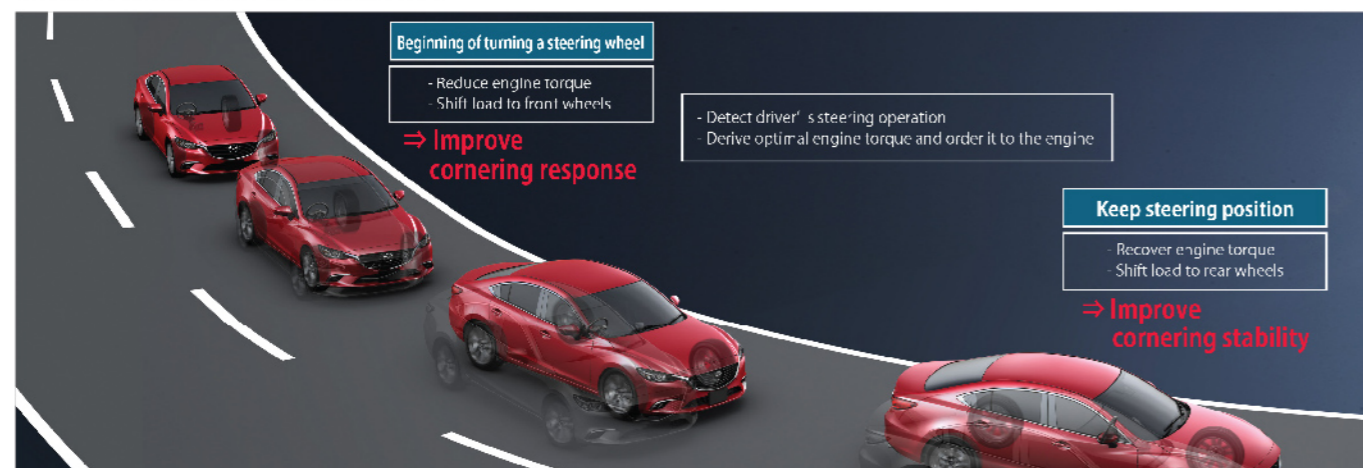
Jinba-ittai

Mazda aims to offer vehicles that provide driving pleasure and enrich the lives of their owners. It has achieved this through the pursuit of Jinba-Ittai a feeling of unity between driver and vehicle. Whether turning, braking or simply cruising, the driver controls the vehicle as naturally and easily as if it were an extension of his or her own body.

SKYACTIV-VEHICLE DYNAMICS

Mazda3 IPM features with G-Vectoring, the world's first* technology to adjust engine torque in response to steering inputs in order to control these forces in a unified way and optimize the vertical loading of each tire to realize smooth and efficient vehicle behavior, to get advanced handling and stability, which achieved the pursuit of Jinba-Ittai a feeling of unity between driver and vehicle.

*As of June 2016. Based on Mazda's in-house investigation.



Smoother Transitions between G-forces

By finely controlling engine torque based on the steering and accelerator inputs of the driver, GVC maximizes the tire performance by focusing on the vertical load on the tires. The load transfers extracts much more grip from the front and rear tires, improving vehicle responsiveness and stability between G-forces in all driving scenarios.

Advance Handling and Stability

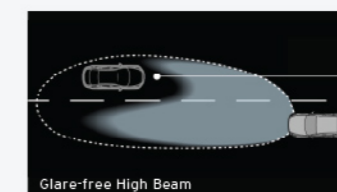
By adopting GVC, the vehicle moves more precisely as the driver intends, reducing the need for steering corrections, many of which are performed unconsciously. Cumulative fatigue on long drives is reduced and smooth transitions between the G-forces acting on vehicle occupants reduce torso-sway, improving ride feel and passenger comfort. GVC also improves handling and stability on wet road and the enhanced feeling of grip gives drivers peace of mind.

i-ACTIVSENSE

i-ACTIVSENSE technologies development based on Mazda's safety philosophy "MAZDA PROACTIVE SAFETY". Mazda i-ACTIVSENSE make use of detection devices to support safe driving by helping the driver to recognize potential hazards, and pre-crash safety technologies which help to avert collisions or reduce their severity in situations where they cannot be avoided.

Adaptive LED Headlights (ALH)

The Adaptive LED Headlights (ALH) is a system developed in pursuit of an ideal, direct visibility during nighttime driving which achieves visibility the same as in daylight. The ALH has three modes, "Glare-free High Beam", "Wide-range Low Beam", and "Highway mode".



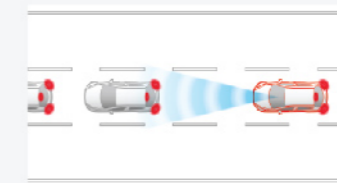
Lane Departure Warning System (LDWS)

The Lane Departure Warning System (LDWS) detects line marking on the road surface and warns the driver of unintentional lane departures. This system is particularly effective in situations where the road is continuously straight and drivers have a tendency to not pay sufficient attention to the road. When the lane change is accompanied by turn signal operation or acceleration, the system recognizes the maneuver as intentional and does not sound an alarm.



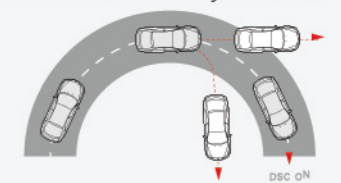
Advance Smart City Brake Support (SCBS)

Rear-end collisions are the most common type of accident, and approximately 60% of these occur at a relatively low speed. When SCBS detects there is the danger of a collision (while driving between approximately 4 and 80km/h when sensing a vehicle ahead or between approximately 10 and 80km/h when sensing a pedestrian ahead), the system alerts the driver using the warning sound and indication, and if a collision is unavoidable, it applies the brakes automatically to help avoid collisions and mitigate collision damage.



Dynamic Stability Control (DSC)

DSC automatically takes control of the vehicle when skidding is detected.



8 Airbags

A full complement of airbags - front, front seat side, curtain - provide another larger of protection in depth against physical shock and injury in a collision.



*i-ACTIVSENSE system may not perform as expected due to factors such as the shape of the vehicle in front (some shapes do not reflect laser well, etc.), bad weather (rain, snow, fog, etc.), and road conditions (multiple curves, etc.)

SKYACTIV TECHNOLOGY

SKYACTIV is the general term for Mazda's technology developed under the Sustainable Zoom-Zoom principle of providing all customers with driving pleasure as well as excellent environmental and safety performance. Part of the SKYACTIV series, SKYACTIV-VEHICLE DYNAMICS technologies provide integrated control of the engine, transmission, chassis and body to enhance the car's Jinba-Ittai feel—a sense of connectedness between car and driver that differentiates Mazda vehicles from others.



SKYACTIV Engines

2.0

Compression ratio 14.0:1
Max. power 165 PS / 6,000 rpm
Max. torque 210Nm / 4,000 rpm

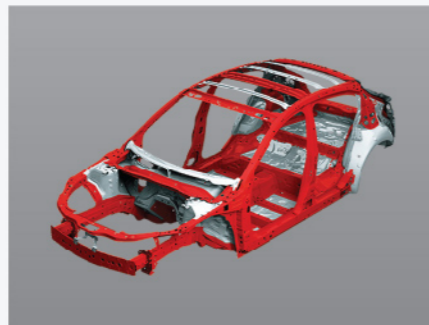
1.5

Compression ratio 14.0:1
Max. power 120 PS / 6,000 rpm
Max. torque 150Nm / 4,000 rpm



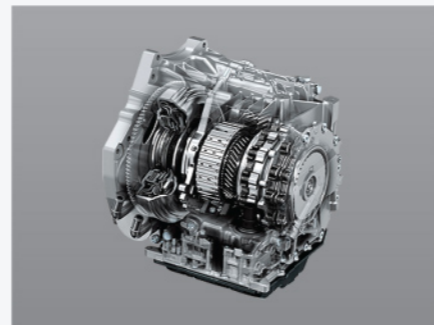
SKYACTIV-CHASSIS

For nimble, refined handling, the lightweight front strut and rear multi-link suspension feature revised design and firmer bushings. Innovative welding of the front and rear cross members achieves impressive stiffness with low weight. Fuel-saving electric power-assisted steering features a high ratio for quick handling, yet delivers great stability at all speeds.



SKYACTIV BODY

The body meets the world's toughest safety standard. Extensive use of ultra-high tensile steel gives strength with low weight, while the framework absorbs and channels energy away from the cabin.



SKYACTIV-DRIVE

This high-efficiency six-speed SKYACTIV-DRIVE brings you the best aspects of every type of transmission.

MZD CONNECT

MZD CONNECT providing high levels of connectivity with the highest safety.



Information Display

7-inch LCD touchscreen displays information from MZD CONNECT, including audio, communication and navigation functions. (as an optional feature)



Commander Control

The five ergonomically-sized buttons are laid out in a semi-circular configuration to enable comfortable, assured operation with the five fingers of one hands.



Active Driving Display

The full color Active Driving Display projects real time information, including current vehicle speed and turn-by-turn route guidance. The graphic expression is made smoother and more colorful, vastly improving the visibility and instantaneous readability in all environments.



Electric Parking Brake (EPB)

EPB makes it easy to turn the parking brake on or off by operating a switch mounted on the floor console. (Only available for 2.0 model)



"SPORT" MODE

The newly adopted Drive Selection switch allows the driver to select a Sport mode. It enables the driver to decide how he wants the car to behave in accordance with traffic conditions and it delivers sharper and more responsive acceleration.



BOSE® Sound System

The exclusive BOSE® premium sound system features nine speakers, to deliver superior sound quality even when driving with the top down.



Steering Wheel

The stylishness of the design is accentuated by the combination of the ease of use which enables operation with natural movement of the fingers, a tidy feel around the switches, and the L-shaped satin chrome metallic decorations applied to the switch bezel.



Soul Red Metallic (41V)



Machine Grey Metallic (46G)



Deep Crystal Blue Mica (42M)



Eternal Blue Mica (45B)



Sonic Silver Metallic (45P)



Meteor Grey Mica (42A)



Arctic White (A4D)



Titanium Flash Mica (42S)



Jet Black Mica (41W)



Snowflake White Pearl Mica (25D)

Machine Grey Metallic

The Machine Grey Metallic body colour was developed as part of Mazda's unique TAKUMI-NURI (TAKUMI: master craftsman, NURI: painting) painting technology, like the brand colour Soul Red Metallic. It achieves an unprecedented combination of colour, highlight, shade and depth to emphasize the dynamic body shape of KODO design, and makes MAZDA3 look as through it were carved from a single ingot of steel.

