



mazda



# Mazda3 6

MARCH 2010

zoom-zoom

zoom-zoom

# NEW MAZDA6

## March 2010

Table of Contents			Page
1	At a Glance		2
2	Pricing		10
3	Product Concept	Evolution for Further Sportiness	11
4	Powertrain	Choice of Petrol or Diesel Power	13
5	Design	Designed for Sportiness and a Premium Identity	20
6	Steering and Suspension	Newly Evolved Dynamic Quality	27
7	Comfort, Functions & Equipment	Advanced Equipment	31
8	Safety – Active and Passive	Enhanced Active Safety	35
9	Environment	Recyclability and Corporate Efficiency	38
10	Body Colours	Choice of Eight Colours	39
11	Specification and Equipment		40

**For more information, contact:**

Steve Maciver  
Public Relations Manager  
+61 3 8540 1961

Lydia Richards  
Media Communications Manager  
+61 3 8540 1962



# *1. AT A GLANCE*

Since its Australian release in 2002, Mazda6 has established itself as the best-selling imported medium car in the country. With a strong history of sales success and numerous awards to its name, Mazda6 has received a warm reception from both buyers and critics alike.

The New Mazda6 further evolves the striking design, excellent driving dynamics and competitive value for which the Mazda6 has become known. While the whole range has evolved for even greater sportiness and refinement, customer needs have been closely considered with the introduction of the New Mazda6 Touring Wagon. In addition, design improvements and equipment upgrades will help to ensure that the Mazda6 maintains its position as one of Australia's most highly regarded nameplates.

## **New Mazda6 Range**

- New Mazda6 Touring Wagon featuring leather trim, power adjustable front seats and front and rear parking sensors has been added to the range
- The Mazda6 range is available in a choice of hatch, sedan and wagon body styles and is the only medium car in Australia to offer this choice
- Power is delivered via a choice of either petrol or diesel: the MZR 2.5-litre 4-cylinder petrol engine or the MZR-CD 2.2-litre 4-cylinder diesel engine
- Refinements to the MZR-CD 2.2-litre diesel engine yield a better response and a more enjoyable acceleration feel
- Exterior design enhancements provide greater sportiness and a clearer premium identity
- Upgraded interior design and the addition of new equipment makes for an improved experience for both driver and passengers alike
- Refinements to steering and suspension systems further improve the smooth and stable ride that is expected from the Mazda6
- High levels of standard safety equipment across the Mazda6 range reflected in a 5-star ANCAP rating. Safety features standard across the range include six SRS airbags, ABS and DSC.
- Hill Launch Assist function has been added to all manual models to ensure smooth hill starts and increased safety

## Mazda6 Global

- First introduced in 2002
- Sold in approximately 80 countries
- Global sales of Mazda6 have exceeded 1.8 million units (as at January 2010)
- Mazda6 has so far received over 160 awards from key markets including Australia, USA, Canada, China, Japan and Germany

## Mazda6 in Australia

- Mazda6 was launched in Australia in August 2002
- Second-generation Mazda6 launched in February 2008
- Australian sales of Mazda6 to date are in excess of 85,000 units (as at February 2010)

## Marketing

- More than any other Mazda vehicle, the Mazda6 appeals to a wide audience
- The Mazda6 appeals to a mix of males and females who are of a fairly broad age group. They are likely to be either young or 'young at heart'
- This wide audience presents a challenge in how to target specific communications so for new Mazda6 the main target audience is 28 – 34 year olds, more skewed towards white-collar males while still appealing to older and female buyers
- The attitude of the Mazda6 buyer is all-important: **“Vanilla is not an option.” These people don't just want to *blend in*. They want their new car to stand out or stand for something. And if it doesn't, they'll just move on to something that satisfies their high standards**
- Buyers in this segment may be upsizing from a smaller car like a Mazda3 or downsizing from a larger car
- Sporty design and responsive handling is at the core of what attracts buyers to the Mazda6
- Interests among the Mazda6 audience include eating out, playing and watching sport and travel

## Sales

- Mazda Australia expects to sell an average of around 680 units per month with the following body style and model split:

Sedan	30%
Hatch	50%
Wagon	20%

Limited	10%
Classic	50%
Luxury / Luxury Sports	30%
Touring	5%
Diesel	5%

# Mazda6 Range Highlights

*Page 40: Full specification and equipment list*



## **Mazda6 Limited**

- **Manufacturer's List Price (MLP) from \$27,310 (sedan)**
- 2.5-litre in-line four cylinder 16 valve DOHC petrol engine with 125kW and 226Nm
- 6-speed manual or 5-speed Activematic transmission
- Front-wheel drive
- Air-conditioning, cruise control, MP3-compatible CD-player with four speakers, AUX-in jack for MP3 player, power windows and mirrors, remote central locking, tilt and telescopic adjustable steering wheel and variable intermittent wipers
- 16-inch steel wheels with 205/60 tyres,
- Chrome exhaust extensions
- Body kit with front and rear aero bumpers and side skirts
- Anti-lock Braking System (ABS), Dynamic Stability Control (DSC), Traction Control System (TCS), Emergency Brake Assist (EBA), Emergency Brake-force Distribution (EBD), Hill Launch Assist (HLA) (manual only), front, side and curtain SRS airbags, active front head restraints

## **Mazda6 Classic**

- **Manufacturer's List Price (MLP) from \$31,750 (sedan), \$32,750 (hatch), \$35,050 (wagon)**
- 2.5-litre in-line four cylinder 16 valve DOHC petrol engine with 125kW and 226Nm
- 6-speed manual (sedan and hatch) or 5-speed Activematic transmission

### **Mazda6 Limited equipment plus:**

- Auto headlamps on/off, Bluetooth® phone connectivity, dual-zone climate control air-conditioning, leather wrapped steering wheel, wipers with rain sensing function, MP3 compatible six-disc in-dash CD player with six speakers, steering wheel mounted audio controls
- Trip computer with current and average fuel consumption, fuel range, average speed and speed alert
- Newly designed 17-inch alloy wheels with 215/50 tyres and front fog lamps

## **Mazda6 Diesel**

- **Manufacturer's List Price (MLP) \$36,250 (wagon)**
- 2.2-litre in-line four-cylinder 16 valve DOHC intercooled turbodiesel engine with 132kW and 400Nm
- 6-speed manual transmission

### **Equivalent equipment level to Mazda6 Classic**

## **Mazda6 Touring**

- **Manufacturer's List Price (MLP) \$38,120 (wagon)**
  - 2.5-litre in-line four cylinder 16 valve DOHC petrol engine with 125kW and 226Nm
  - 5-speed Activematic transmission
- ### **Mazda6 Classic equipment plus:**
- Leather seat trim, seats (front) with 3-position memory function and 8-way power adjustment (driver) and 4-way power adjustment (passenger), parking sensors (front and rear)

## **Mazda6 Luxury**

- **Manufacturer's List Price (MLP) \$40,905 (sedan)**
- 2.5-litre in-line four cylinder 16 valve DOHC petrol engine with 125kW and 226Nm
- 5-speed Activematic transmission

### **Mazda6 Touring equipment plus:**

- Sports grille
- Blackout instrument cluster, leather wrapped gearshift knob, paddle shift gear control, power sliding and tilt glass sun-roof, rear view mirror with auto dimming function, premium Bose® 240 watt amplifier with 8 speakers, LED rear lamps, Xenon headlamps

## **Mazda6 Luxury Sports**

- **Manufacturer's List Price (MLP) from \$41,415 (hatch)**
- 2.5-litre in-line four cylinder 16 valve DOHC petrol engine with 125kW and 226Nm
- 6-speed manual or 5-speed Activematic transmission

### **Mazda6 Luxury equipment plus:**

- Rear spoiler
- Aluminium pedals and footrest, bi-Xenon headlamps with Adaptive Front-lighting system (AFS),
- Updated 18 inch alloy wheels with 225/45 tyres

## **Mazda6 Diesel Sports**

- **Manufacturer's List Price (MLP) \$42,815 (hatch)**
- 2.2-litre in-line four-cylinder 16 valve DOHC intercooled turbodiesel engine with 132kW and 400Nm
- 6-speed manual transmission

### **Equivalent equipment level to Mazda6 Luxury Sports with:**

No power sliding and tilt glass sun-roof

## **Satellite Navigation Option**

- **Manufacturer's List Price (MLP) \$2,800**
- Available on Luxury, Luxury Sports and Diesel Sports models only
- 7-inch touch-screen satellite navigation integrating:
  - Whereis® Sensis maps
  - Bluetooth (hands-free compatible)
  - Bluetooth audio (MP3 player compatible)
  - Controlled by either touch-screen or voice



# Major revisions

With the New Mazda6, Mazda carried forward the “Zoom-Zoom Evolution” development concept of the previous model while realising even more of Mazda’s hallmark sportiness together with premium quality that users can see and feel. Mazda refined and evolved the car’s design, safety, environmental compatibility, ride comfort, handling stability and craftsmanship from the perspective of key Mazda6 values defined as “Emotional and Sporty”, “Exclusive Experience” and “Sustainable Zoom-Zoom”.

## Exterior Design Changes

- The outgoing Mazda6 was designed around the concept of ‘bold and exquisite’ and displayed a combination of athleticism and distinctiveness
- New Mazda6 design is still based firmly around the concept of ‘bold and exquisite’ but with the design now having been further evolved to create a stronger impression of dynamism and sportiness
- In addition the Mazda6 design team have pursued greater refinement throughout the car for a clearer premium identity
- New Mazda family identity is reflected in changes to the front face styling
- Front grille has been redesigned with a clear differentiation for Luxury Sports and Diesel Sports models
- Headlamp and fog lamp designs have been further refined and more closely reflect Mazda’s Nagare design language
- Newly designed 17-inch and 18-inch alloy wheels heighten the sense of dynamism and performance
- Aerodynamics have been improved through the addition of plate-type front tyre deflectors

## Interior Design Changes

- Greatly increased interior refinement is yielded by increased use of chrome-plated and piano-black surfaces
- Interior trim decoration panels have been refreshed
- Seat upholstery has been updated
- Meters and centre display have now been made easier to read
- Steering wheel switches have been refined for more intuitive operation

## **Mechanical Changes**

- MZR-CD 2.2-litre engine has been enhanced. The adoption of a smaller turbocharger along with other refinements yield a better response and more enjoyable driving feel
- Steering system has been improved for enhanced stability and steering feel
- Suspension system has been further refined for enhanced handling stability, straight-line stability and ride comfort
- Hill Launch Assist function has been added to all manual models to reduce rolling during hill starts

## 2. PRICING

In addition to being renowned for design and handling, Mazda6 has forged a reputation as being excellent value for money. This reputation will only become stronger with the introduction of the New Mazda6. Even after the improvements in design and addition of equipment, prices have been reduced across the Mazda6 range offering a significant improvement in value.

### Pricing – Manufacturer’s List Price (MLP)\*

<b>Sedan:</b>			<b>Price Reduction</b>
Mazda6 Limited	6MT	<b>\$27,310</b>	<b>-\$935</b>
Mazda6 Limited	5AT	<b>\$29,310</b>	<b>-\$865</b>
Mazda6 Classic	6MT	<b>\$31,750</b>	<b>-\$685</b>
Mazda6 Classic	5AT	<b>\$33,750</b>	<b>-\$615</b>
Mazda6 Luxury	5AT	<b>\$40,905</b>	<b>-\$655</b>
<b>Hatch:</b>			
Mazda6 Classic	6MT	<b>\$32,750</b>	<b>-\$650</b>
Mazda6 Classic	5AT	<b>\$34,750</b>	<b>-\$580</b>
Mazda6 Luxury Sports	6MT	<b>\$41,415</b>	<b>-\$660</b>
Mazda6 Luxury Sports	5AT	<b>\$43,415</b>	<b>-\$590</b>
Mazda6 Diesel Sports	6MT	<b>\$42,815</b>	<b>-\$615</b>
<b>Wagon:</b>			
Mazda6 Classic	5AT	<b>\$35,050</b>	<b>-\$565</b>
Mazda6 Touring	5AT	<b>\$38,120</b>	
Mazda6 Diesel	6MT	<b>\$36,250</b>	<b>-\$530</b>

### Satellite Navigation option

\*\*Luxury, Luxury Sports & Diesel Sports models only **\$2,800**

\* Manufacturer’s List Price (MLP) includes GST and Luxury Car Tax (LCT) where applicable but excludes dealer delivery, registration, third party insurance costs, stamp duty and other mandatory charges.

## ***3. PRODUCT CONCEPT***

### **A message from the Program Manager:**

#### **Evolution for even greater sportiness and refinement**

##### **Staying Faithful to the Basics of Car-making**

We conducted the New Mazda6 in the harsh environment of the global economic crisis. We were constantly under pressure to decide which of many challenges we should prioritise and where we should focus our efforts. But contemporary circumstances don't change the fact that it takes a truly worthwhile product to capture people's hearts. We believed—and still believe—that the most vital aspect of creating such a product and delivering real satisfaction to our customers was to stay faithful to the basics of car-making. So we began the development program by clarifying the existing Mazda6's inherent strengths and the attributes of the car that represented new challenges.

##### **The Mazda6: Strengths and New Challenges**

The pre-facelift second-generation Mazda6 debuted at the 2007 Frankfurt Motor Show. Our development concept for it was "Zoom-Zoom Evolution". Without detracting from the practicality for which Mazda CD-cars are renowned, we raised the sporty styling and handling that we had achieved with the first-generation Mazda6 to even higher levels. Plus, we significantly enhanced interior quality and other aspects of craftsmanship. As a result of our efforts, the pre-facelift Mazda6 has been a great success. In surveys of CD-car buyers, it has scored well above the segment average in terms of styling, equipment, and spaciousness. At the same time, however, a need to heighten customer satisfaction with safety and environmental performance and a need to further enhance interior refinement and ride quality have become apparent.

##### **Craftsmanship and Refinements**

With the facelift, we set out to evolve the Mazda6 by augmenting its strengths and enhancing its safety performance and environmental compatibility.

One of the pre-facelift Mazda6's key strengths is its styling. We enhanced the exterior design by adopting the new Mazda family face and by evolving the overall look of the car for even greater sportiness and an even clearer premium identity. And in the cabin, we heightened the level of refinement through careful craftsmanship that included replacing silver-painted surfaces with chrome-plated and piano-black finishes. We also focused on handling stability and ride comfort, evolving and optimising numerous parts of the car in order to deliver an even better combination of driving enjoyment and ride quality.

With regard to safety performance, we enhanced active safety by, for example, giving the Adaptive Front-lighting System the ability to swivel the headlamps for better night visibility and adopting a Hill Launch Assist function, which helps to ensure smooth hill starts. And we also enhanced the MZR-CD 2.2-litre engine by making the turbocharger turbine and compressor smaller.

## Customer Satisfaction that Keeps Getting Deeper

With everyone on the development team sharing the same conviction and passion, we were able to evolve the Mazda6 in such a way that the New Mazda6 exudes all the sportiness expected of a Mazda model *and* has an even stronger premium identity. The New Mazda6 offers people a kind of satisfaction that will get deeper each time they see it and drive it. It's my hope that the heightened sense of reliance and affinity engendered by this great new offering will translate into ongoing pleasure for our customers.

A handwritten signature in black ink that reads "M. Takata". The signature is written in a cursive, flowing style.

Minoru Takata  
Mazda6 Program Manager

## 4. POWERTRAIN

### Choice of petrol or diesel power

#### MZR 2.5-litre Petrol Engine

The MZR 2.5-litre inline 4-cylinder DOHC 16-valve engine was introduced on the pre-facelift Mazda6 and as a nod to its reliability and versatility it has since been introduced on the Mazda3 SP25 and CX-7 Classic. It is a powerplant that has become well known for its driveability as well as offering competitive fuel efficiency.

MZR 2.5-litre petrol		
	Maximum power	Maximum torque
6MT / 5AT	125kW at 6,000rpm	226Nm at 4,000rpm

The MZR 2.5-litre petrol engine produces 125kW of power at 6,000rpm and maximum torque of 226Nm at 4,000rpm – which is the same as on the outgoing model but about 10 percent more torque than on the first-generation Mazda6.

The real world performance of the New Mazda6 is one of several areas which heighten the driving experience. A vast amount of torque is available just above idle, giving the Mazda6 significant low-rpm urge while the smooth-revving nature of the engine and its ability to spin out to 6,500rpm makes it an energetic performer in high revs as well.

Advanced features utilised in the MZR-series engines include chain-driven dual overhead camshafts and four valves per cylinder for deep breathing at high revs and efficient torque delivery at lower revs.

#### Quiet and refined performance

Engineers carefully monitored NVH levels through the development of the MZR 2.5-litre petrol engine to ensure that they did not increase in line with performance. In fact, on top of being more powerful and more economical than the previous generation MZR 2.3-litre engine, the MZR 2.5-litre petrol engine is also quieter and has less vibration.

It has a high-rigidity block made from a casting process that improves strength, and is fitted with high-strength; thin cylinder liners that help reduce noise produced by increased combustion load.

Engineers employed lightweight pistons and connecting rods, which reduce secondary inertial forces (cutting noise and vibration) to some of the lowest in the segment. They combined these with a dual-mass damper and a flexible flywheel to suppress combustion noise during acceleration. The flywheel has a flexible joint between the crankshaft and the flywheel that lowers the resonance (and the engine noise associated with it) in the 2,000–5,000rpm range where the engine typically operates.

Counter-rotating balance shafts located in the oil pan provide a dramatic reduction in the vibration and harshness often found in large-displacement 4-cylinder engines, and a forged steel crankshaft ensures excellent long-term durability.

These factors contribute to smooth, quiet power delivery and cultivated driving fun. This engine is also highly efficient and uses Sequential-Valve Timing (S-VT) to adjust the timing of valve opening and closing for optimised operation at all engine speeds.

High power and torque are realised by improved flow characteristics in the intake ports. This is achieved by increasing the diameter and optimising the shapes of the intake manifold and head ports, by optimising the position and shape of the swirl control valve and by introducing a variable intake system which maximises torque at all engine speeds.

Exhaust resistance has also been reduced by optimising efficiency in the exhaust manifold, which optimises engine output even further.

Overall, the MZR 2.5-litre petrol engine delivers excellent off-the-line and overtaking characteristics, and is well suited to the Mazda6's outstanding dynamics.

### More power, more fun, less fuel

The combination of these components and technologies results in a petrol engine that is powerful, fun to drive and offers competitive fuel economy.

MZR 2.5-litre petrol				
	Fuel economy (combined)*		CO <sub>2</sub> (combined)*	
	Manual	Auto	Manual	Auto
	l/100km	l/100km	g/km	g/km
Mazda6 sedan	8.3 (prev 8.4)	8.7	196	206
Mazda6 hatch	8.5 (prev 8.6)	8.8	201	208
Mazda6 wagon	-	8.9	-	211

When compared to the mid-sized petrol offerings from Toyota, Honda, Subaru and Ford, the Mazda6 delivers excellent levels of fuel efficiency.

\*Fuel economy and CO<sub>2</sub> figures are based on ADR 81/03 test results

### New Single-Nanotechnology Catalyst

The underfloor catalyst for the MZR 2.5-litre petrol engine uses single-nanotechnology, which can control even smaller particles than nanotechnology. Mazda achieved a world first when it developed the single-nanotechnology automotive catalyst and has already adopted it on the New Generation Mazda3 and New CX-7.

In an automotive catalyst, precious metals promote chemical reactions that purify the exhaust gases on their surfaces. In a conventional catalyst, the precious metals are bonded to a base material. Exposure to the exhaust heat causes the precious metals to agglomerate into larger particles, reducing the catalyst's effective surface area and catalytic activity. To ensure sufficient performance, it's necessary to use significant amounts of precious metals.

Given the shortcomings of conventional catalysts, Mazda developed a world-first catalyst-material structure in which precious-metal particles no larger than 5nm in diameter are embedded in the base material such that they remain in place even when exposed to exhaust heat. Since the precious-metal particles do not agglomerate, the catalyst retains its effective surface area.

A 3-way catalytic converter made with Mazda’s single-nanotechnology can contain a 70–90% smaller quantity of precious metals such as platinum and palladium than a conventional one but have the same exhaust-purifying efficiency. Plus, it suffers hardly any deterioration in its performance even under harsh operating conditions. Thanks to single-nanotechnology, Mazda is helping to limit the use of scarce natural resources

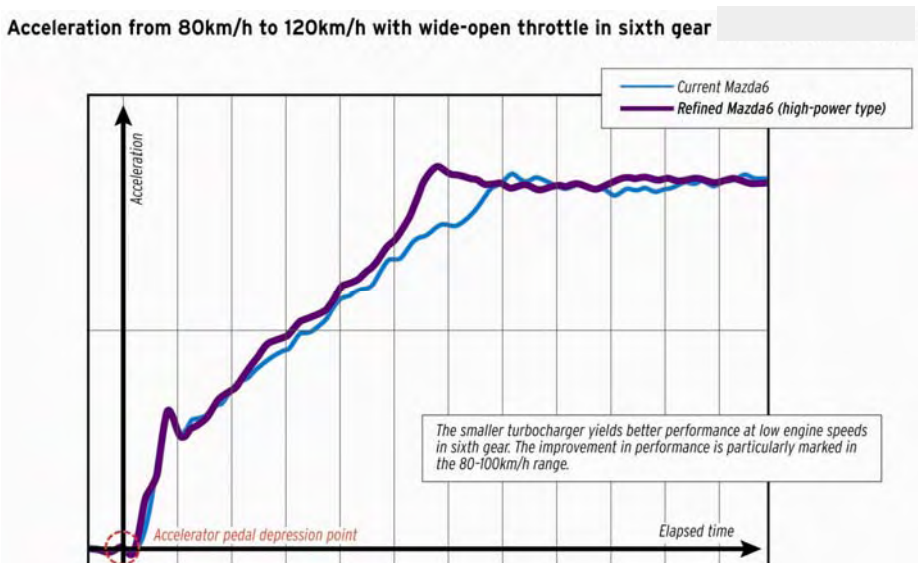
### MZR-CD 2.2-litre Turbodiesel Engine

The MZR-CD 2.2-litre turbodiesel engine has been refined for better response and a more improved drive feel. The turbocharger is smaller than that previously used with the MZR-CD 2.2-litre engine in the Mazda6, so it allows better fuel efficiency and engine response. Also, Mazda realised emissions that comply with the Euro stage IV standard by taking measures that included reducing the thermal capacity of the exhaust system including the exhaust manifold and joint pipes. Plus, noise has been reduced by reducing engine knock at low engine temperatures.

MZR-CD 2.2-litre Turbodiesel		
	Maximum power	Maximum torque
6MT	132kW at 3,500rpm	400Nm at 1,800 - 3,000rpm

### Enhanced Engine Response

Mazda reduced the outlet diameter of the turbocharger’s turbine impeller from 41.5mm to 36mm, thereby reducing the turbine inertia by approximately 24% for better engine response. Superior engine response gives a more enjoyable acceleration feel. While the smaller turbine impeller means a loss in power of 4kW over the pre-facelift model (was 136kW), there is no deterioration in outright performance and mid range power is considerably improved.





Mazda also made revisions to the engine and exhaust system for superior fuel economy and emissions performance. Fuel consumption on both hatch and wagon is now 5.9 litres per 100km (previously wagon was 6.0 litres) and compliant with Euro stage IV emissions regulations. At 5.9 litres per 100km the Mazda6 Diesel is one of the most fuel efficient medium sized cars in Australia. Significantly, it offers even better fuel efficiency than the Toyota Camry Hybrid.

<b>MZR-CD 2.2-litre Turbodiesel</b>		
	<b>Fuel economy (combined)*</b>	<b>CO<sub>2</sub> (combined)*</b>
	I/100km	g/km
	Manual	Manual
Mazda6 hatch	5.9	154
Mazda6 wagon	5.9 (prev 6.0)	154

\*Fuel economy and CO<sub>2</sub> figures are based on ADR 81/03 test results

### **Engine revisions**

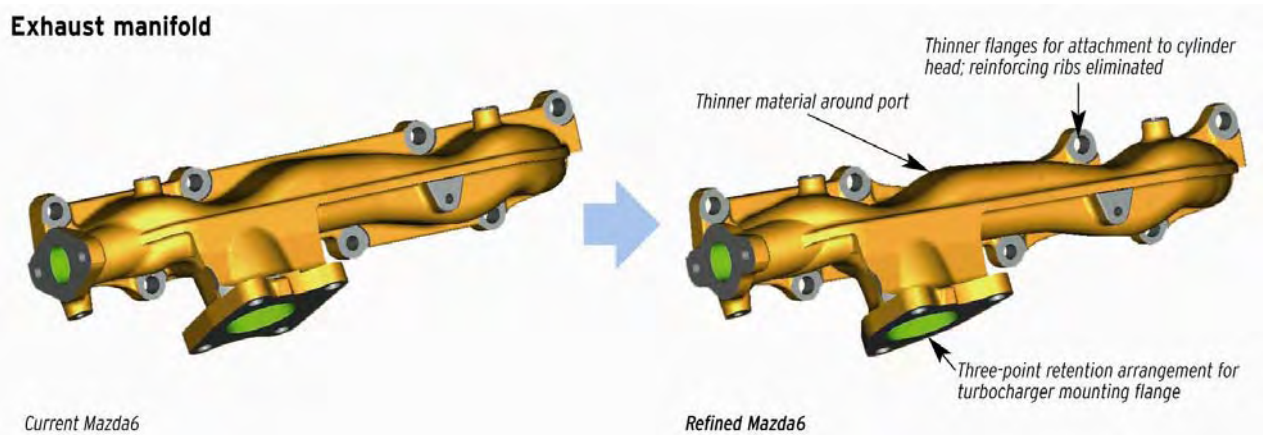
Mazda adopted more precise control settings for exhaust-gas recirculation (EGR) and fuel injection to reduce NOx emissions.

### **Exhaust-system revisions**

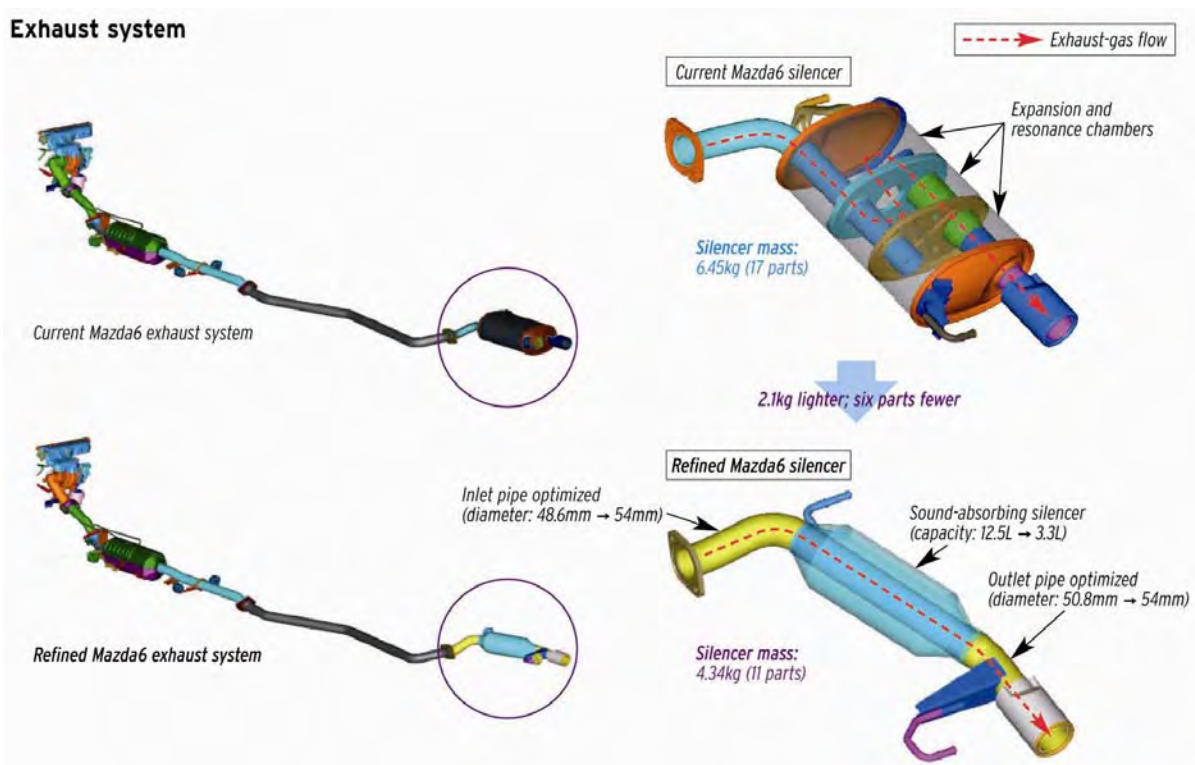
Mazda made the exhaust manifold lighter to reduce its thermal capacity. Using computer-aided analysis, it achieved a 1.6kg reduction in the weight of the exhaust manifold (including the joint pipe) without sacrificing strength. The thermal capacity is about 10% lower than that of the exhaust manifold on the previous Mazda6. Since the exhaust gases lose less of their heat following a cold start, the catalyst becomes active sooner, making CO<sub>2</sub> emissions lower.

The exhaust silencer also reflects changes: whereas the pre-facelift Mazda6's silencer incorporates expansion and resonance chambers, the New Mazda6's silencer is a more compact, straight, sound-absorbing type that's 2.1kg lighter. To accommodate the new silencer, Mazda optimized the diameter of the inlet pipe by changing it from 48.6mm to 54mm and optimised the diameter of the outlet pipe by changing it from 50.8mm to 54mm.

### Exhaust manifold



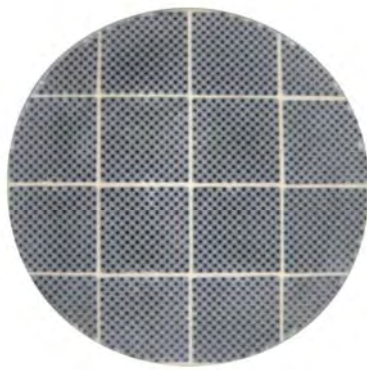
### Exhaust system



### Revised design for diesel particulate filter unit

A new structure for the diesel particulate filter unit enables significantly easier production with no sacrifice in the filter's accumulation limit and heat resistance. Specifically, a newly adopted "net" structure incorporates parts with curved outer edges that give the diesel particulate filter unit a cylindrical shape. Consequently, there's no need for machining of the filter unit's outer surface, so fabrication is simpler and involves less material waste.

## Diesel particulate filter unit



Current Mazda6



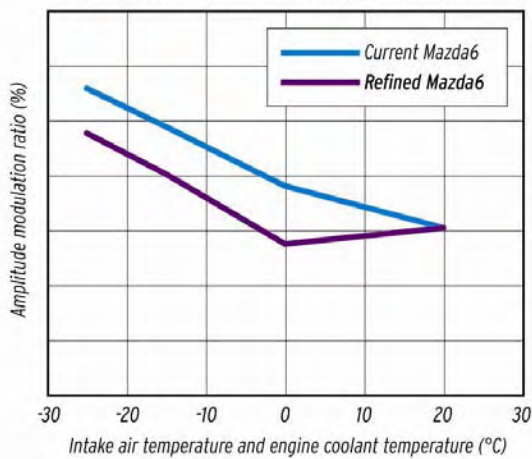
Refined Mazda6

## Reduced Noise

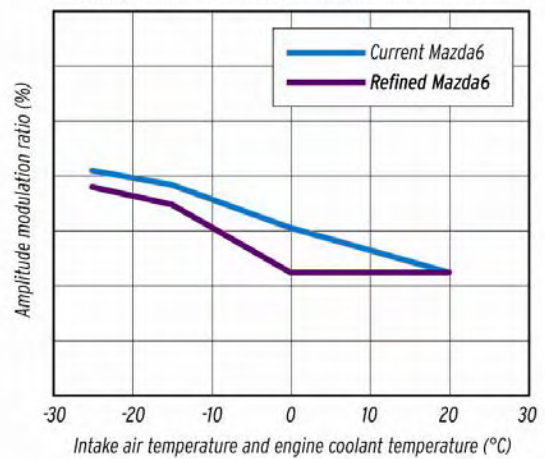
Mazda engineers have also worked hard to further reduce knock after cold starts (when the coolant temperature and ambient temperature are low). Measures Mazda took to reduce knock include revising the pressures, pattern, and timing of fuel injection, revising the control of EGR, and using glow plugs to assist combustion.

## Knock after cold start

Amplitude modulation 1m rightward of engine with engine speed of 1,000rpm and brake mean effective pressure of 0.3MPa



Amplitude modulation 1m rightward of engine with engine speed of 1,500rpm and brake mean effective pressure of 0.3MPa



\* The vertical axis shows 5% increments.

## **6-speed Manual Transmission**

The New Mazda6 retains the six-speed manual transmission from the previous model. High positioning of the shift lever means an easy shift feel for the driver. Quality shift feel is achieved by the use of hard stoppers and a rigid base plate for the lever assembly.

A balance between smoothness and stiffness is realised by tuning the control cable and the stoppers, while an optimised counterweight inertia moment makes operating feel precise and light. Shifting at high speeds is made effortless by the adoption of larger fifth and sixth gear synchronisers.

It's also been designed in such a way that its gear ratios promote fuel economy without detracting from dynamic performance.

## **5-speed Activematic Transmission**

A five-speed Activematic transmission is available on all petrol models. The system has Active Adaptive Shift (AAS) which includes a slope-control function that selects gears according to the upward or downward slope of the road, and it is able to evaluate both the curve of the road and driver's intentions, to deliver a linear and lively shift feel in all gears and on all kinds of roads. Its wide gear range allows plenty of torque even at low revs, so the driver can enjoy strong acceleration off the line or when passing.

The Activematic feature provides the full manual control demanded by assertive drivers. The Mazda6 Luxury and Luxury Sports models fitted with the 5-speed Activematic transmission also offer paddle shifters on the steering wheel so the driver's hands need never leave the wheel during enthusiastic drives.

## *5. DESIGN*

### **Greater Sportiness and a Clearer Premium Identity**

The design of the outgoing Mazda6 combines athleticism—a key attribute of all Mazda models—with exquisiteness that reflects Japanese aesthetics to create a distinctive personality that appeals to grown-up sensibilities. Based on a “Bold and Exquisite” concept, it makes the car instantly recognisable as a member of the Mazda family. It has been highly praised in markets around the world.

With the New Mazda6, a stronger impression of dynamism and sportiness has been created and, at the same time, greater refinement has been pursued throughout the car for a clearer premium identity. Mazda incorporated the new family face into the exterior design, blending it with the outgoing Mazda6’s acclaimed, striking frontal appearance in a way that reflects attention to the form of every detail. Mazda has also adopted new designs for the headlamps and rear combination lamps and introduced updated wheel designs. And in the cabin, the colours and materials of decorative parts have been refined for a stronger sense of quality.



## Exterior Design

### Front View

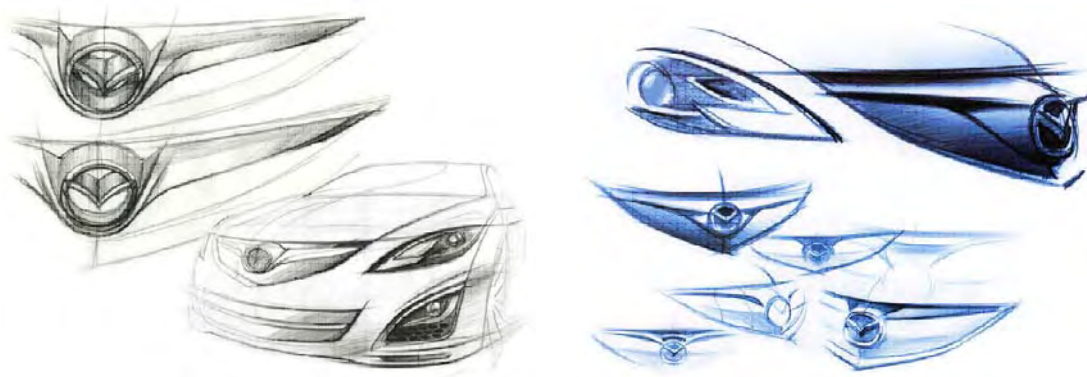
In adopting the new family face, Mazda needed to balance the sportiness and refinement expected of the New Mazda6 in the most attractive way possible while building upon the existing design. In the design development, therefore, Mazda strove to express the new family identity in the front face while retaining the solidity conveyed by the fascia of the existing Mazda6 and the beauty, strength, and tension conveyed by the existing Mazda6's simple contours.

Key elements of the new front view are strong lines that flow from the front grille to the A-pillars, a centrally positioned 5-point lower grille with a deeply contoured look, and forms that extend horizontally along the fog-lamp bezels from the bottom of the lower grille. These key elements express sinuous dynamism and stability unique to the Mazda6. Also, the lines that flow from the lower grille to the fenders each incorporate a subtle highlight along the bottom edge of the fog-lamp bezel. These highlights combine simplicity with beauty.



## Front Grille

The front grille is markedly different between the Luxury, Luxury Sports and Diesel Sports and the other models. With the Luxury and Sports models, the brand symbol is larger than that on the outgoing Mazda6 to create a stronger presence. Also, bold, wing-shape mouldings extending sideways from the brand symbol give a sense of dynamism. With the other models, a mesh grille and chrome-plated decorations convey refinement and sportiness.



## Headlamps and Fog-lamps

The Luxury Sports and Diesel Sports both have a new design that accommodates bi-Xenon headlamps with Adaptive Front-lighting System (AFS). The position lamp has a sharp wing-type shape that abuts the edge of the headlamp, and the entire inner bezel is chrome-plated for a look of quality and expansiveness. The new combination of form and function gives a sense of greater overall refinement. The headlamp design on the other Mazda6 models is basically the same as that of the outgoing Mazda6, but more extensive chrome plating conveys a premium identity.

The fog-lamps have been updated to a round type and their bezels have been given a new design. The bezels on the Luxury, Luxury Sports and Diesel Sports have an all-over silver coating for heightened refinement and with all models there's a silver line below each fog-lamp lens. The silver lines reflect Mazda's "Nagare" design language by combining sharp edges with gently flowing curves.

## Rear View

The rear view includes newly designed rear combination lamps. With the Luxury, Luxury Sports and Diesel Sports, the rear combination lamps have clear inner lenses and light-emitting diodes (LEDs). All other Mazda6 sedans and hatchbacks have red inner lenses and conventional bulbs while all wagons have inner red lenses and LEDs.

The part of each rear combination lamp that curves toward the side of the body has a newly added chrome-plated, wing-shaped decoration for a stronger impression of width. With high-quality chrome plating under clear acrylic covers, they help to give the rear combination lamps a look of superior quality.

On the wagon, the wing-shaped decorations each have a red lens and to suit the long, flowing body shape, they're longer than those on the sedan and hatchback.





## Side View (Wheel Designs)

The side view includes newly designed 17-inch and 18-inch alloy wheels. The 18-inch alloy wheels have bold, strong-looking spokes that communicate dynamism and high performance. The spoke surfaces incorporate slight twists that reflect Mazda's "Nagare" design language in a way that adds elegance to the wheels' dynamism. The 17-inch alloy wheels have an exquisite design in which each spoke is twisted relative to the wheel's centre for a look of refinement and sportiness.

The newly designed wheels have the further merit of lightness. Each new 17-inch wheel weighs 0.81kg less than the 17-inch wheel on the outgoing model. The weight saving is even more impressive with each new 18-inch wheel being 1.1kgs lighter than its predecessor.

18-inch alloy wheel



17-inch alloy wheel



## Interior Design

With the interior design, Mazda's main goal was to heighten quality for a more refined premium-car look and feel. As part of its effort, Mazda reviewed the Mazda6's interior design in every detail. It revised interior parts in terms of their materials and colours and even in terms of details such as their surface glossiness and dimples, and it updated the overall colour coordination, thereby creating an interior environment with the right level of quality.



## Piano-Black Coating

On the centre stack, silver paint has been replaced with a smooth, glossy, deep-looking piano-black coating. For consistency and a cohesive sense of quality, the same piano-black coating has been adopted on the audio panel, climate-control panel, and shift-gate surround. The piano-black coating has also been added around the switches on the steering wheel.

## Chrome Plating

Items that are frequently operated by users (for example, the climate-control and audio dials, the shift lever, the parking-brake knob, and the inner door handles) have high-durability chrome plating. The combination of the chrome-plated parts and piano-black surfaces gives a sense of premium-car quality. The chrome plating not only looks and feels good; it also offers longevity and has the functional merit of not being prone to discoloration or scratches.

### **[Chrome-plated parts]**

- Audio dials
- Trim in middle of audio panel
- Climate-control dials
- Shift-lever knob
- Parking-brake knob
- Inner door handles
- Knobs on climate-control louvres on centre stack
- Rings around climate-control louvres at sides of dashboard

### **Decoration Panels**

There are two types of decoration panel, each of which has been evolved for a lighter, higher-quality look. The decoration panels for the Touring, Luxury, Luxury Sports and Diesel Sports have a bright, silver-hairline, full-gloss finish that expresses sportiness and refinement. Those for the other Mazda6 models have a matt-silver coating on which clear highlights help to give an impression of strength. Light colours for the hairline finish and matt finish emphasise the visual division of the dashboard into upper and lower parts and the sideways spread of the dashboard from the centre stack.

### **Seats**

The Mazda6 Touring, Luxury, Luxury Sports and Diesel Sports all come with black leather upholstery. Limited, Classic and Diesel models come with an updated high-quality black fabric with a contemporary pattern of flowing lines reflecting Mazda's "Nagare" design language.

# 6. STEERING & SUSPENSION

## Newly Evolved Dynamic Quality

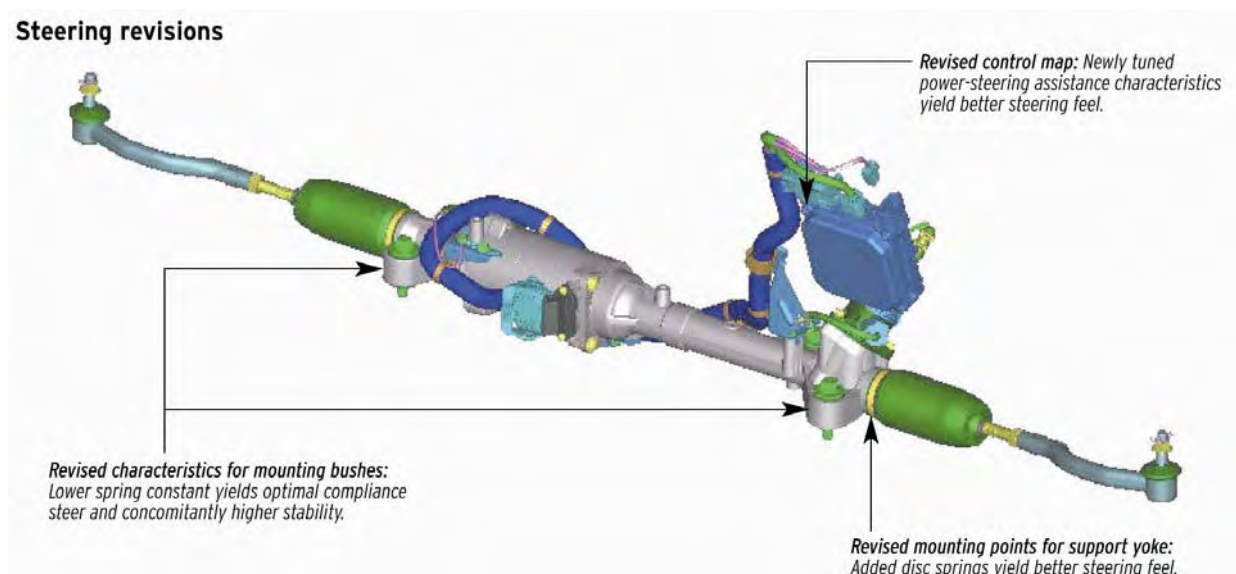
With the New Mazda6, Mazda enhanced the driver's feeling of oneness with the car, raised the great driving feel and ride quality to an even higher dimension. With regard to handling and ride quality, Mazda refined and optimised an extensive range of parts to realise gentler, more confidence inspiring responses and better handling stability during high-speed straight-line driving and to suppress vibration for a smoother ride. The result is a significantly higher-quality driving and riding experience. These improvements will further cement Mazda6's position as being one of the best handling cars in its class.

## Handling Stability for Driver Confidence at High Speeds

The Mazda6 is renowned for delivering the linear, precise, consistent handling that's a hallmark of Mazda cars. In the New Mazda6, the steering and suspension systems have been tuned to further heighten the handling stability. Increased steering torque during straight-line driving means the steering wheel gives more feedback from the beginning of rotation. Also, the yaw-rate gain after small steering inputs during straight-line driving is lower than it is with the pre-facelift Mazda6, meaning that the car responds more gently and is accordingly easy to control. The superior straight-line stability allows the user to drive in confidence even at high speeds. The main steering and suspension revisions are as follows:

### Steering revisions

Newly tuned power-steering assistance characteristics give a better steering feel. Also, a reduced spring constant for the mounting bushes yields optimal compliance steer for higher stability.

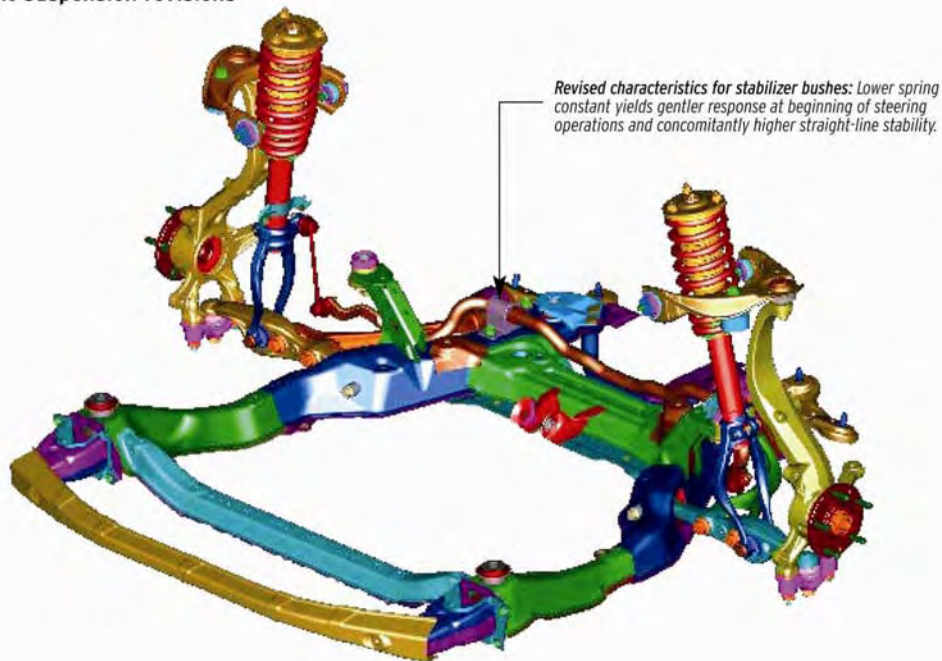


## Suspension revisions

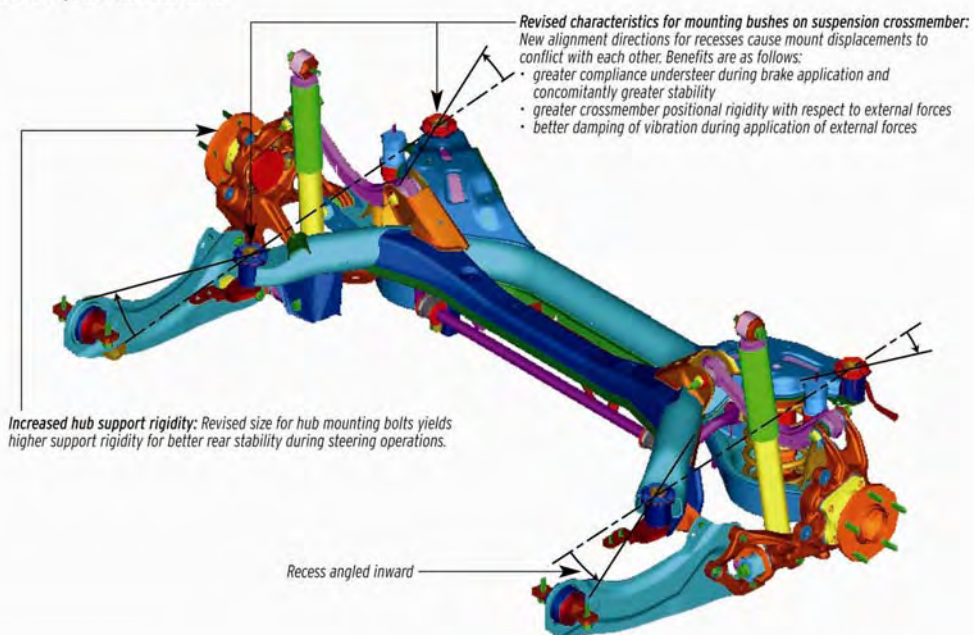
Mazda carried forward the high-mount double-wishbone front suspension of the outgoing Mazda6 but optimised the front-suspension bushes for behaviour that's more confidence-inspiring at higher vehicle speeds.

Mazda also carried forward the multi-link rear suspension but made revisions: it increased the mounting rigidity of the hubs for a stronger feeling of stability. And it changed the alignment of the recesses in the bushes on the crossmember to optimise compliance steer, thereby suppressing vibration and realising greater firmness and damping performance.

### Front suspension revisions



### Rear suspension revisions



## A Smoother, More Comfortable Ride

Mazda tuned the suspension to further improve the smooth, stable ride that's a hallmark of the Mazda6.

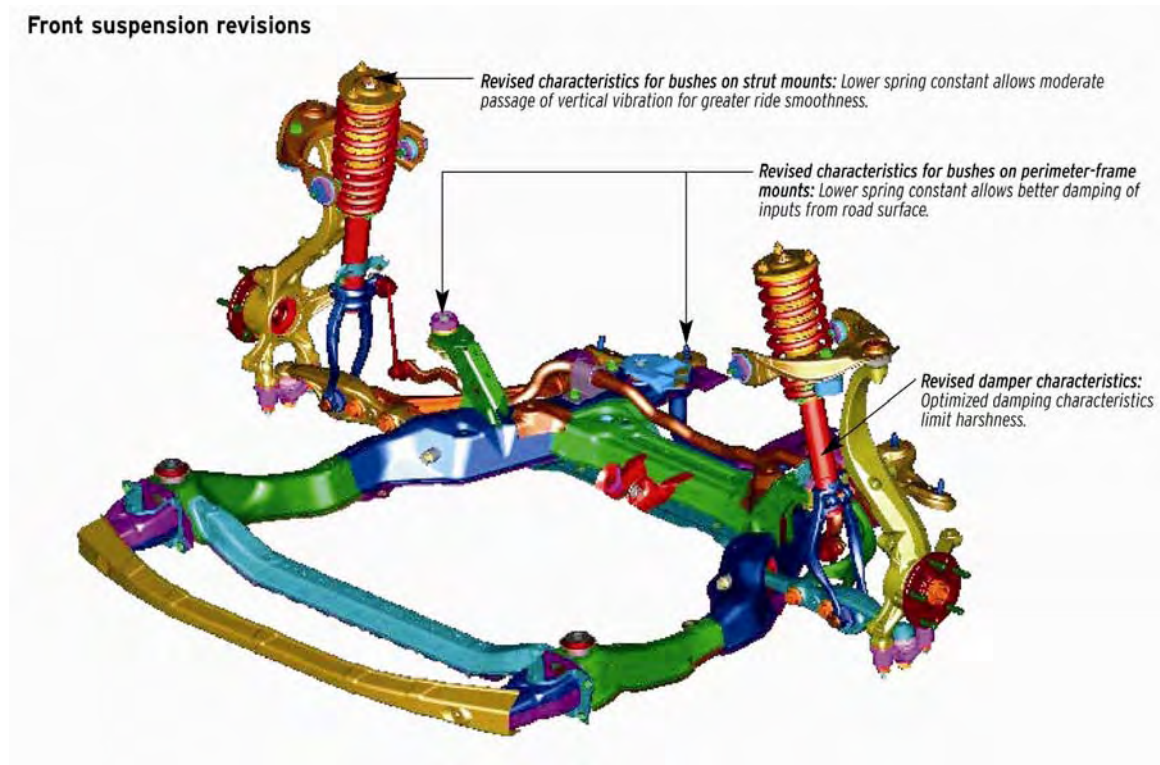
### Suspension tuning revisions

Mazda revised the bushes on the strut mounts and perimeter-frame mounts in the front suspension and the damper bushes in the rear suspension, thereby allowing moderate passage of vertical inputs from the road surface such that the inputs are softened for a smoother ride. It also optimised the damping characteristics of the front and rear dampers to reduce harshness resulting from vertical inputs.

To reduce shock when the car goes over bumps, Mazda caused the wheels to move upward and rearward by (a) positioning the trailing-arm bushes with their recesses inclined forward and (b) revising the shape of the bushes to make the bushes' deflection characteristics more linear when loading is applied. Mazda also optimised the characteristics of the bump stoppers for a gentler, smoother feel.

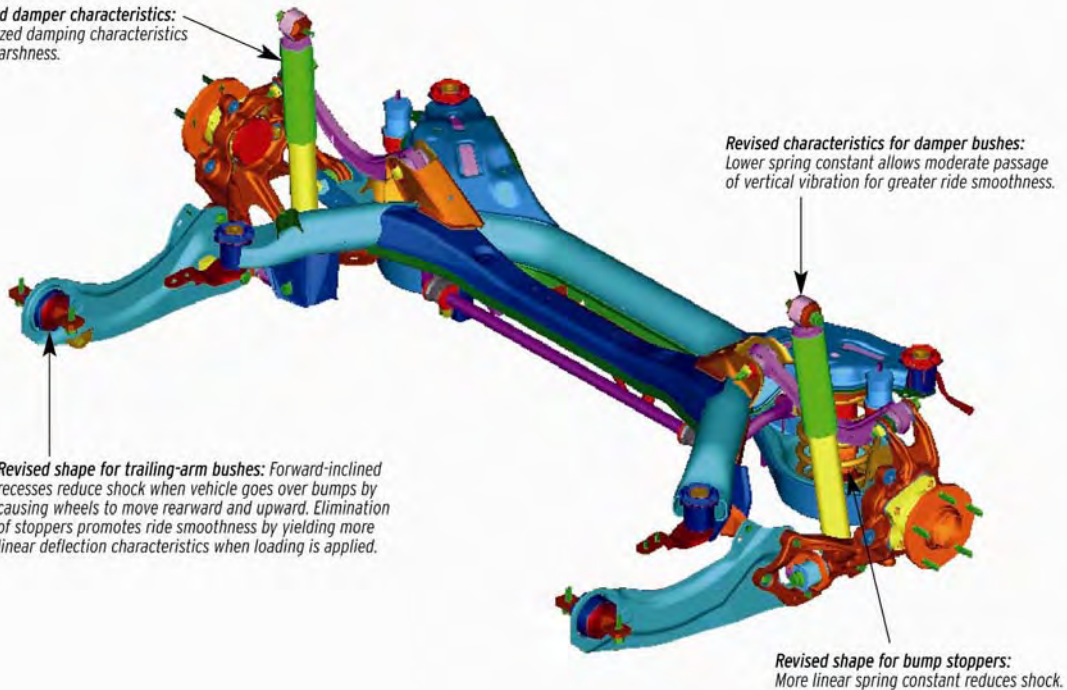
Owing to the suspension tuning, vibration that's felt as tiny movements of the cabin is suppressed. Even on coarse road surfaces, therefore, the ride is smoother.

#### Front suspension revisions



## Rear suspension revisions

*Revised damper characteristics:  
Optimized damping characteristics  
limit harshness.*



## Newly Refined Aerodynamics

To give the outgoing Mazda6 the high-speed stability expected of a CD-car, Mazda combined great aerodynamics with its exterior styling, resulting in drag coefficients of 0.27 for the sedan and hatchback and 0.28 for the wagon—both among the lowest in the medium segment. The superior aerodynamics help to realise great roadholding and stability even at highway speeds, so the driver enjoys predictable, confidence-inspiring handling.

In the New Mazda6, not only has the exterior styling been evolved by, for example, incorporating the new Mazda family face, but the car's aerodynamic performance has also been refined in pursuit of greater handling stability without changing its best-in-class drag coefficient. Under the body, Mazda added plate-type deflectors beside the horseshoe-shape front tyre deflectors that have proven successful with the outgoing car. It also extended the front lip spoiler. The extensions on the lip spoiler combine with the front tyre deflectors to suppress airflow turbulence in the vicinity of the front wheels without any sacrifice in brake-cooling performance. Mazda also enlarged the rear tyre deflectors. The larger rear tyre deflectors suppress airflow turbulence in the vicinity of the rear wheels and at the sides of the body.

# *7. COMFORT, FUNCTION & EQUIPMENT*

## **Enhanced Human-Machine Interface**

On the inside, the 'exclusive experience' begins with exquisitely crafted detailing like a gear shift lever that feels similar to a precision instrument, easy-to-use audio controls, the refined feel of the air-conditioning control dial, and careful selection of materials and surfaces that are appealing to the touch.

Mazda6's cockpit is vital to realising the designer's key target of providing an 'exclusive experience' by being comfortable and easy-to-use, and instilling a feeling of on-road confidence. Meters and controls have also been improved resulting in a more relaxed and intuitive experience for the driver.

## **Higher-Legibility Meters and Centre Display**

The odometer/tripmeter characters have been increased in height from 4.5mm to 5.7mm, so they're easier to read. Also, the outside-temperature indication has been moved from the meter cluster to the centre display, where it's easier for the front passenger to see as well.

The centre display has a new selection method for the clock and driver information system indications. Each push of the INFO button on the steering wheel changes the indication to the next one in the following sequence: current fuel consumption, average fuel consumption, fuel range, average vehicle speed. Regardless of the current indication, pushing the CLOCK button makes the clock indication immediately appear in its place. Also, the clock is easier to adjust thanks to clock-adjustment switches positioned on the left side of the centre display.

## **Easier-to-Use Steering Wheel Controls**

To make the steering wheel controls easier to use, the New Mazda6 has been evolved such that only one function corresponds to each switch. Since the driver can tell exactly which function will be activated by each switch, the driving experience is more relaxing.



### **More Storage Space for Small Items**

The new Mazda6 has plenty of convenient storage compartments and an expanded list of equipment that make it practical and easy-to-use on a daily basis. For small item storage there is a large 8.4-litre glove box, a large centre console box with cup holders in front, cup holders in the fold-out centre arm rest in the rear and front door trim pockets that can hold a drink bottle and documents.

In addition to the many storage spaces already on the Mazda6, all models now also feature a glasses holder just aft of the rearview mirror.



### **Karakuri Convenience Evolves**

The New Mazda6 inherits the acclaimed Karakuri rear seat-folding system that debuted on the first-generation Mazda6. Simply pulling a latch in the boot side trim panel automatically folds the 60/40 rear seats down (hatchback and wagon) with no need for troublesome opening of the rear doors or removing the head restraints.

The New Mazda6 also features the integrated Karakuri tonneau cover that first appeared on the outgoing model. It automatically moves up and down with the tailgate. With the rear seats down, the Mazda6 wagon variants have a generous load floor length of 1,926mm. The hatchback load floor is 1,879mm long and this model has a VDA cargo volume floor-to-ceiling of 1,702 litres. With the seats up, the luggage compartment in the hatchback has a capacity of 510 litres.

## Now with Bluetooth® Hands-Free Compatibility

All Mazda6 models from Classic and upwards also now feature Bluetooth® wireless technology for mobile phones enabling hands-free operation while driving. The system is more than that, however. It also provides a wireless connection between Bluetooth® compatible portable audio players and the Mazda6 audio system. Music playback from the audio player can be controlled by switches located on the audio panel or the steering wheel while driving.

Additionally, for those models not equipped with Bluetooth® there's an AUX jack so that portable audio players can be connected to the audio system.

## Premium Bose® Sound System

While the Mazda6 Limited features a single-disc CD player all other Mazda6 models feature a 6-disc in-dash CD player with steering wheel mounted audio controls. Mazda6 Luxury, Luxury Sports and Diesel Sports also feature a premium Bose® 240 watt amplifier and 8 speakers for an enhanced audio experience.

Meanwhile a noise compensation system called AudioPilot2® automatically compensates for road noise while driving.

## Satellite Navigation Option



Available as a factory-fitted option on Luxury, Luxury Sports and Diesel Sports models is a fully-integrated satellite navigation and audio system. Detailed maps from Whereis® Sensis are displayed on a 7-inch full-colour touch screen, along with the car's audio functions including an AM/FM tuner and 6-disc in-dash CD player. Controlled by the touch-screen or voice recognition, the satellite navigation system includes useful functions such as Points of Interest selections, time to destination and average speeds. Bluetooth® audio and phone capability now also integrates seamlessly into the existing system offering intuitive control of dialling and address book functions as well as voice control.

## **Manual and Power-Adjustable Seats**

Front seats have optimised cushion contours with seatbacks that supply good lumbar support for long distance driving. During sporty driving, optimised side bolsters provide good support.

The front seats on Mazda6 Limited, Classic and Diesel feature manual adjustment while on the Mazda6 Touring, Luxury, Luxury Sports and Diesel Sports, front seats are power-adjusted. The driver's seat on these particular models offers 8-way power adjustment with 3-position memory function. The passenger seat has 4-way power adjustment.

Back seats have optimised cushion thickness for just the right amount support to provide a comfortable fit for all types of occupants.

## ***8. SAFETY - ACTIVE & PASSIVE***

### **Enhanced Active Safety for World-Class Safety Performance**

The Mazda6 offers world-class safety, as exemplified by a 5-star overall ANCAP rating (the highest available). And with the new model, Mazda built on the high level of safety by making new advances in terms of active safety.

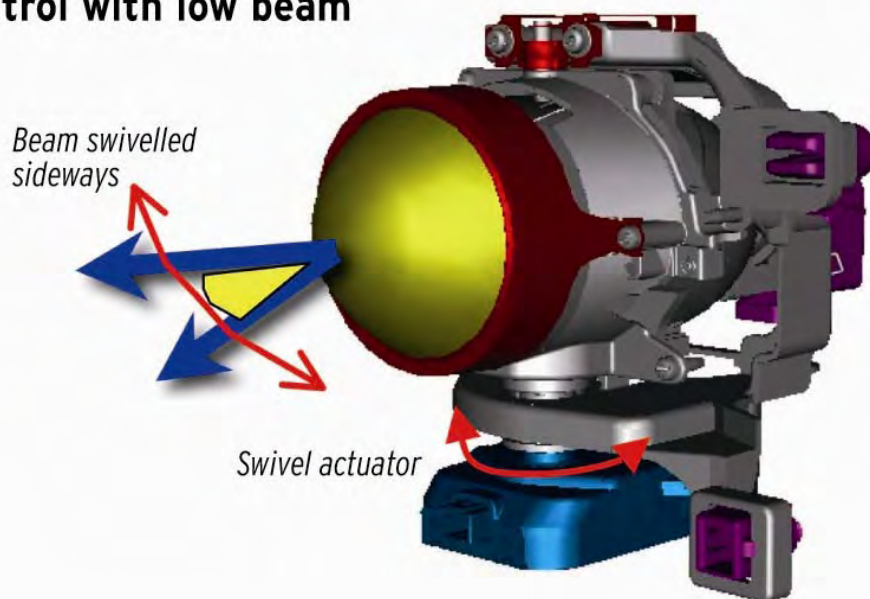
Notably, Mazda enhanced the Adaptive Front-lighting System (AFS) by giving it the ability to swivel the headlamps for better night-time visibility and adopted a Hill Launch Assist function (the first in any Mazda model), which helps to ensure smooth hill starts.

And with the Mazda6 already including Anti-lock Braking System (EBD), Dynamic Stability Control (DSC), Traction Control System (TCS), Emergency Brake Assist (EBA) and Emergency Brake-force Distribution (EBD), it's easy to see why it should be considered one of Australia's safest cars.

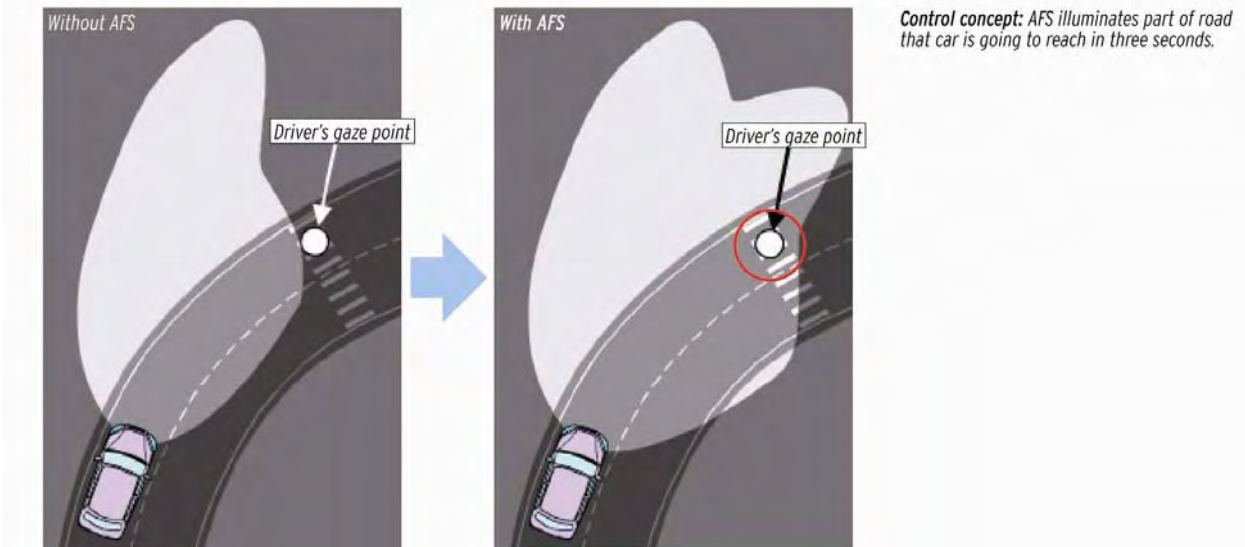
### **Adaptive Front-lighting System (AFS) with New Swivel Function**

The AFS in the outgoing Mazda6 illuminates curves and corners ahead using fixed lamps that are separate from the main beams. The AFS in the New Mazda6 gives even better visibility by swivelling the headlamps based on the driver's steering inputs and the car's speed. It swivels the headlamp on the same side as the turn direction (the right-hand headlamp on a rightward turn; the left-hand headlamp on a leftward turn) by up to 15° to illuminate the part of the road that the car will reach three seconds later. It works with both high and low beams.

#### **Control with low beam**



## Superior beam pattern with AFS



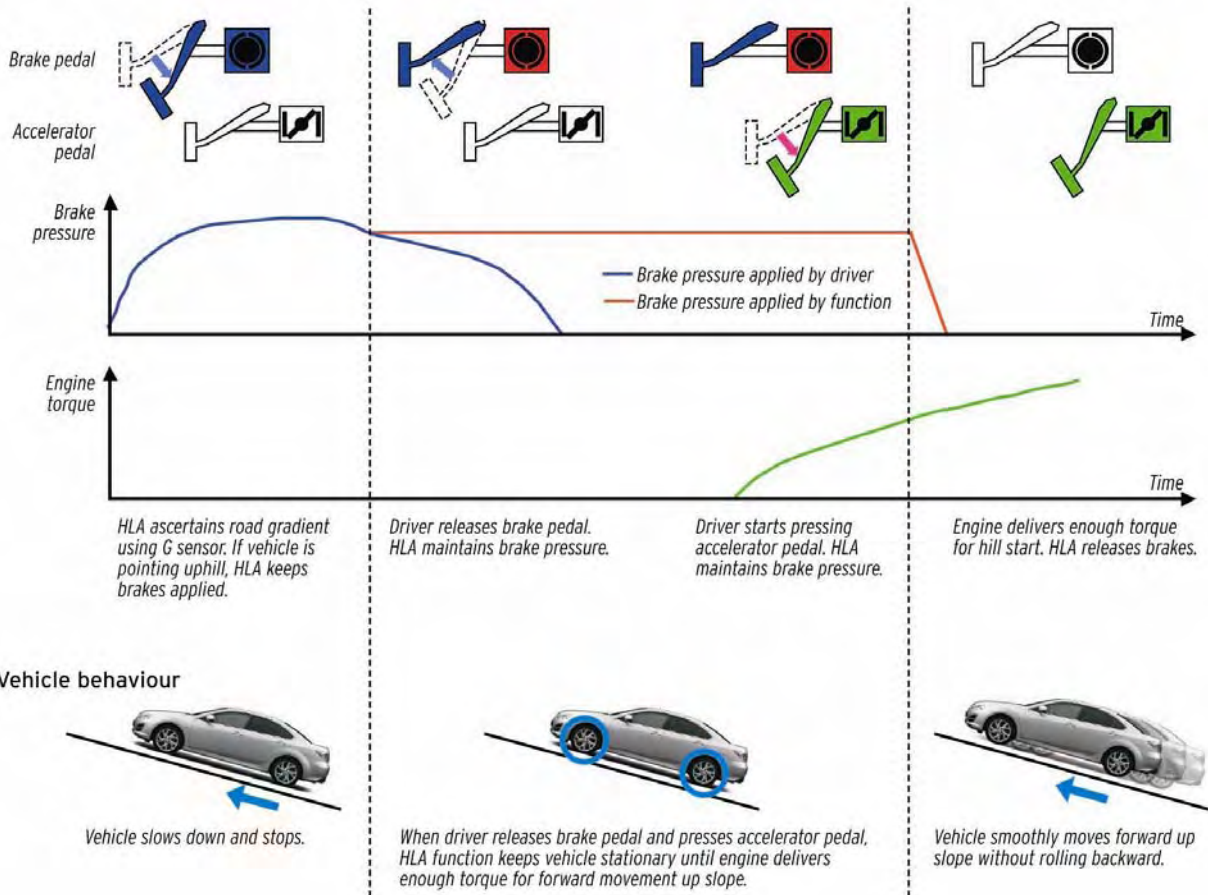
## Hill Launch Assist Function

The Hill Launch Assist (HLA) function added to all manual Mazda6 models helps the driver make smooth hill starts by using the brake-control functionality of the Dynamic Stability Control (DSC) system to stop the car from rolling backward while it's stationary and beginning to move uphill. It ascertains the gradient of the hill using the acceleration sensor in the airbag unit, and it automatically starts operating if the gradient is 2° or steeper. It does not require any special action from the driver, and as such offers great convenience.

When the driver's foot moves from the brake pedal to the accelerator pedal for a hill start, the HLA function keeps the brakes applied—and the car stationary—until there's enough engine torque for the hill start. When sufficient engine torque is achieved, the HLA function releases the brakes. It releases the brakes quickly on a gentle incline and slowly on a steep incline, thereby enabling a smooth, confidence-inspiring hill start. Self-learning functionality compensates for changes in the acceleration sensor over time, further ensuring that the HLA function can always ascertain the road gradient with great accuracy such that it works well and only when needed.

## HLA function

### Driver actions and brake control



## Passive Safety

The New Mazda6 continues to be designed around the Mazda Advanced Impact Distribution and Absorption System (MAIDAS) to provide high levels of crash resistance and occupant protection. Its body structure uses Mazda's triple-H architecture, with strong H-shaped reinforcements in the floor, side frames and roof. High and ultra-high strength steel is used throughout the body to ensure crash resistance and maintain the integrity of the cabin.

A whole host of additional passive safety features complement the rigid body structure. Front driver and passenger, side (front) and curtain SRS airbags, intrusion minimising brake and clutch pedals and seatbelts with pre-tensioners and load limiters are all standard across the entire Mazda6 range.

## ***9. ENVIRONMENT***

### **Recyclability and Corporate Efficiency**

New Mazda6 is another example of Mazda's ongoing efforts to build cars in a way that has less negative effects on the environment. This begins at Mazda assembly plants in Japan, which were ISO 14001 certified (an environmental management standard) over ten years ago – including the Hiroshima Plant, where the Mazda6 is assembled. Mazda also uses a unique and recent innovation, a three-layer paint system that reduces CO<sub>2</sub> by 15 percent and volatile organic compounds (VOCs) in the paint by half.

At the end of its life, the Mazda6, like all current Mazda models, is roughly 80 percent recyclable. The remaining 20 percent, most of it plastic, rubber and glass, is identified with ISO standard material labels so it can be sorted out and easily recycled and recovered. Mazda even recycles the materials from damaged bumpers in order to make new bumpers. The bumpers on the New Mazda6 were made using this method. If done correctly, Mazda6 is 95 percent recyclable. If parts have to be discarded at the end of its life, they contain few substances that would pollute the environment. No lead is used in the Mazda6's fuel tank, wire harness and electro-undercoating; and it has no hexavalent chromium or cadmium in any components.

## 10. BODY COLOURS

### Choice of eight body colours

Clear Water Blue Metallic is brand new while Graphite Mica and Black Mica are available for the first time on the Mazda6.

Mazda Australia does not charge extra for Mica or Metallic paint colours, a saving of \$700 or more against some rivals.



**Black (Mica)**



**Clear Water Blue (Metallic)**



**Copper Red (Mica)**



**Crystal White Pearl (Mica)**



**Graphite (Mica)**



**Stormy Blue (Mica)**



**Sunlight Silver (Metallic)**



**Velocity Red (Mica)**



# 11. SPECIFICATIONS & EQUIPMENT

	Limited	Classic	Touring	Luxury	Luxury Sports	Diesel	Diesel Sports	
<b>Bodystyles</b>								
Sedan	✓	✓	-	auto only	-	-	-	
Hatch	-	✓	-	-	✓	-	manual only	
Wagon	-	auto only	auto only	-	-	manual only	-	
<b>Powertrain</b>								
Engine type	2.5 litre in-line 4 cylinder 16 valve DOHC S-VT	2.5 litre in-line 4 cylinder 16 valve DOHC S-VT	2.5 litre in-line 4 cylinder 16 valve DOHC S-VT	2.5 litre in-line 4 cylinder 16 valve DOHC S-VT	2.5 litre in-line 4 cylinder 16 valve DOHC S-VT	2.2 litre in-line 4 cylinder 16 valve DOHC intercooled turbo diesel	2.2 litre in-line 4 cylinder 16 valve DOHC intercooled turbo diesel	
Engine capacity	2,488 cc	2,488 cc	2,488 cc	2,488 cc	2,488 cc	2,183 cc	2,183 cc	
Bore and stroke	89.0 mm x 100.0 mm	89.0 mm x 100.0 mm	89.0 mm x 100.0 mm	89.0 mm x 100.0 mm	89.0 mm x 100.0 mm	86.0 mm x 94.0 mm	86.0 mm x 94.0 mm	
Compression ratio	9.7 : 1	9.7 : 1	9.7 : 1	9.7 : 1	9.7 : 1	16.3 : 1	16.3 : 1	
Maximum power	125 kW @ 6,000 rpm	125 kW @ 6,000 rpm	125 kW @ 6,000 rpm	125 kW @ 6,000 rpm	125 kW @ 6,000 rpm	132 kW @ 3,500 rpm	132 kW @ 3,500 rpm	
Maximum torque	226 Nm @ 4,000 rpm	226 Nm @ 4,000 rpm	226 Nm @ 4,000 rpm	226 Nm @ 4,000 rpm	226 Nm @ 4,000 rpm	400 Nm @ 1,800 - 3,000 rpm	400 Nm @ 1,800 - 3,000 rpm	
Throttle control	Electronic (drive-by-wire)							
Fuel system	Electronic port fuel injection	Electronic port fuel injection	Electronic port fuel injection	Electronic port fuel injection	Electronic port fuel injection	Common-rail electronic direct injection	Common-rail electronic direct injection	
Fuel tank capacity	64 litres							
Recommended fuel	Regular unleaded (91RON)	Regular unleaded (91RON)	Regular unleaded (91RON)	Regular unleaded (91RON)	Regular unleaded (91RON)	Diesel (ultra low sulphur)	Diesel (ultra low sulphur)	
Fuel consumption*1	man (combined) auto (combined)	8.3 litres per 100km 8.7 litres per 100km	8.3 - 8.5 litres per 100km 8.7 - 8.9 litres per 100km	- 8.9 litres per 100km	- 8.7 litres per 100km	8.5 litres per 100km 8.8 litres per 100km	5.9 litres per 100km -	5.9 litres per 100km -
Emissions standard	Euro stage IV							
Manual transmission	6-speed	6-speed	-	-	6-speed	6-speed	6-speed	
Activematic (auto) transmission	5-speed	5-speed	5-speed	5-speed	5-speed	-	-	
Gear ratio	1st - man/auto	3.454 / 3.620	3.454 / 3.620	- / 3.620	- / 3.620	3.454 / 3.620	3.538 / -	3.538 / -
	2nd	1.842 / 1.925	1.842 / 1.925	- / 1.925	- / 1.925	1.842 / 1.925	1.913 / -	1.913 / -
	3rd	1.310 / 1.285	1.310 / 1.285	- / 1.285	- / 1.285	1.310 / 1.285	1.218 / -	1.218 / -
	4th	0.970 / 0.933	0.970 / 0.933	- / 0.933	- / 0.933	0.970 / 0.933	0.880 / -	0.880 / -
	5th	0.795 / 0.692	0.795 / 0.692	- / 0.692	- / 0.692	0.795 / 0.692	0.809 / -	0.809 / -
	6th	0.680 / -	0.680 / -	- / -	- / -	0.680 / -	0.711 / -	0.711 / -
	reverse	3.198 / 3.405	3.198 / 3.405	- / 3.405	- / 3.405	3.198 / 3.405	3.831 / -	3.831 / -
	final drive	4.388 / 3.863	4.388 / 3.863	- / 3.863	- / 3.863	4.388 / 3.863	3.611 (1st - 4th) / - 3.095 (5th - 6th) / -	3.611 (1st - 4th) / - 3.095 (5th - 6th) / -

	Limited	Classic	Touring	Luxury	Luxury Sports	Diesel	Diesel Sports	
<b>Chassis</b>								
Brake type	front				Ventilated disc			
	rear				Solid disc			
Brake diameter	front				299 mm			
	rear				280 mm			
Steering type					Electric power assist steering			
Suspension	front				Double wishbone			
	rear				Multi-link			
Turning circle	kerb to kerb	11.0 m	11.0 m	11.0 m	11.0 m	11.4 m	11.0 m	
Tyre size		205/60R16 92V	215/50R17 91W	215/50R17 91W	215/50R17 91W	225/45R18 91W	215/50R17 91W	225/45R18 91W
Wheel size		16 x 6.0 J	17 x 7.0 J	17 x 7.0 J	17 x 7.0 J	18 x 7.5 J	17 x 7.0 J	18 x 7.5 J
Wheel type		Steel	Alloy	Alloy	Alloy	Alloy	Alloy	Alloy
Wheel type (spare)					Full size			
<b>Exterior</b>								
Aerial printed into rear glass	✓	✓	✓	✓	✓	✓	✓	
Body kit comprising: aero bumper (front)	✓	✓	✓	✓	✓	✓	✓	
	aero bumper (rear)	✓	✓	✓	✓	✓	✓	
	integrated side skirts	✓	✓	✓	✓	✓	✓	
	rear spoiler	-	wagon	✓	-	✓	✓	
	sports grille	-	-	-	✓	✓	✓	
Exhaust extensions (chrome)	✓	✓	✓	✓	✓	✓	✓	
Fog-lamps (front)	-	✓	✓	✓	✓	✓	✓	
Front and rear bumpers (body coloured)	✓	✓	✓	✓	✓	✓	✓	
Green tinted windscreen, side and rear windows	✓	✓	✓	✓	✓	✓	✓	
Headlamps (Bi-Xenon) with Adaptive Front-lighting System (AFS)	-	-	-	-	✓	-	✓	
Headlamps (Halogen)	✓	✓	✓	-	-	✓	-	
Headlamps (Xenon low beam)	-	-	-	✓	-	-	-	
Metallic/Mica paint	✓	✓	✓	✓	✓	✓	✓	
Power mirrors (body coloured)	✓	✓	✓	✓	✓	✓	✓	
Power-sliding and tilt glass sun-roof	-	-	-	✓	✓	-	-	
Power windows	✓	✓	✓	✓	✓	✓	✓	
Roof rack mounting points	✓	sedan & hatch	-	✓	✓	-	✓	
Roof rails	-	wagon	✓	-	-	✓	-	
Tail-lamps (LED)	-	wagon	✓	✓	✓	✓	✓	

	Limited	Classic	Touring	Luxury	Luxury Sports	Diesel	Diesel Sports
<b>Interior</b>							
12 volt power outlet	✓	✓	✓	✓	✓	✓	✓
Air-conditioning	✓	-	-	-	-	-	-
Air-conditioning (dual-zone climate control)	-	✓	✓	✓	✓	✓	✓
Aluminium pedals and footrest	-	-	-	-	✓	-	✓
Ambient temperature display	✓	✓	✓	✓	✓	✓	✓
Blackout instrument cluster	-	-	-	✓	✓	-	✓
Bluetooth® (hands-free compatible)	-	✓	✓	✓	✓	✓	✓
Cargo area parcel shelf cover	-	hatch	-	-	✓	-	✓
Cargo area tie-down hooks	-	hatch & wagon	✓	-	✓	✓	✓
Cargo area tonneau cover with 'Karakuri' up and down function	-	wagon	✓	-	-	✓	-
Cargo net	-	wagon	✓	-	-	✓	-
Centre armrest console	✓	-	-	-	-	-	-
Centre armrest console (sliding)	-	✓	✓	✓	✓	✓	✓
Critical function warning lights/chimes	✓	✓	✓	✓	✓	✓	✓
Cruise control	✓	✓	✓	✓	✓	✓	✓
Cupholders	✓	✓	✓	✓	✓	✓	✓
Digital clock	✓	✓	✓	✓	✓	✓	✓
Door courtesy lamps (front)	✓	✓	✓	✓	✓	✓	✓
Door map pockets (front)	✓	✓	✓	✓	✓	✓	✓
Driver's left footrest	✓	✓	✓	✓	✓	✓	✓
Glasses storage compartment	✓	✓	✓	✓	✓	✓	✓
Glove box (lockable and illuminated)	✓	✓	✓	✓	✓	✓	✓
Headlamps auto on/off function	-	✓	✓	✓	✓	✓	✓
Illuminated entry system with delayed fade	✓	✓	✓	✓	✓	✓	✓
Instrument panel light dimmer	✓	✓	✓	✓	✓	✓	✓
Interior illumination: cargo room lamp	✓	✓	✓	✓	✓	✓	✓
ignition key surround	✓	✓	✓	✓	✓	✓	✓
map reading spot lamps	✓	✓	✓	✓	✓	✓	✓
power window switch (driver)	✓	✓	✓	✓	✓	✓	✓
Interior release for fuel filler door	✓	✓	✓	✓	✓	✓	✓

		Limited	Classic	Touring	Luxury	Luxury Sports	Diesel	Diesel Sports
Leather-wrapped:	gear shift knob	-	-	-	✓	✓	-	✓
	steering wheel	-	✓	✓	✓	✓	✓	✓
Lights-left-on audible warning		✓	✓	✓	✓	✓	✓	✓
Low fuel warning light		✓	✓	✓	✓	✓	✓	✓
Paddle shift gear control		-	-	-	✓	auto only	-	-
Passenger assist grips (front and rear)		✓	✓	✓	✓	✓	✓	✓
Rear-view mirror with auto dimming function		-	-	-	✓	✓	-	✓
Satellite navigation		-	-	-	opt	opt	-	opt
Seat trim:	cloth	✓	✓	-	-	-	✓	-
	leather*2	-	-	✓	✓	✓	-	✓
Seats (front) with:	3-position memory function (driver)	-	-	✓	✓	✓	-	✓
	4-way power adjustment (passenger)	-	-	✓	✓	✓	-	✓
	8-way power adjustment (driver)	-	-	✓	✓	✓	-	✓
	adjustable head restraints	✓	✓	✓	✓	✓	✓	✓
	height adjustment (driver)	✓	✓	✓	✓	✓	✓	✓
	lumbar adjustment (driver)	-	✓	✓	✓	✓	✓	✓
	rake and slide adjustment	✓	✓	✓	✓	✓	✓	✓
	seat back pocket (passenger)	✓	✓	✓	✓	✓	✓	✓
Seats (rear) with:	60/40 split fold backrest	✓	sedan	-	✓	-	-	-
	60/40 split fold backrest (flat fold)	-	hatch & wagon	✓	-	✓	✓	✓
	adjustable head restraints	✓	✓	✓	✓	✓	✓	✓
	centre fold down armrest	-	✓	✓	✓	✓	✓	✓
Tachometer and electronic odometer/tripmeter		✓	✓	✓	✓	✓	✓	✓
Tilt and telescopic adjustable steering wheel		✓	✓	✓	✓	✓	✓	✓
Trip computer (current and average fuel consumption, distance to empty, average vehicle speed and speed alert)		-	✓	✓	✓	✓	✓	✓

	Limited	Classic	Touring	Luxury	Luxury Sports	Diesel	Diesel Sports
Vanity mirrors (front)	✓	-	-	-	-	-	-
Vanity mirrors (front) with illumination	-	✓	✓	✓	✓	✓	✓
Ventilation pollen filter	✓	✓	✓	✓	✓	✓	✓
Window demister (rear)	✓	✓	✓	✓	✓	✓	✓
Wipers (front) 2-speed with rain-sensing function	-	✓	✓	✓	✓	✓	✓
Wipers (front) 2-speed with variable intermittent and vehicle speed sensing function	✓	-	-	-	-	-	-
Wiper (rear) with intermittent function	-	hatch & wagon	✓	-	✓	✓	✓
<b>Audio</b>							
AM/FM tuner	✓	✓	✓	✓	✓	✓	✓
Auxiliary input (3.5mm MP3 player compatible)	✓	✓	✓	✓	✓	✓	✓
Bluetooth® audio (MP3 player compatible)	-	✓	✓	✓	✓	✓	✓
CD player, single disc (MP3 compatible)	✓	-	-	-	-	-	-
CD player, in-dash 6-disc (MP3 compatible)	-	✓	✓	✓	✓	✓	✓
Premium Bose® 240 watt amplifier and speakers	-	-	-	✓	✓	-	✓
Speakers, number of	4	6	6	8	8	6	8
Steering-wheel-mounted audio controls	-	✓	✓	✓	✓	✓	✓
<b>Safety</b>							
Active head restraints (front)	✓	✓	✓	✓	✓	✓	✓
Airbags SRS:							
front (driver and passenger)	✓	✓	✓	✓	✓	✓	✓
side (front)	✓	✓	✓	✓	✓	✓	✓
curtain (front and rear)	✓	✓	✓	✓	✓	✓	✓
Anti-lock Braking System (ABS)	✓	✓	✓	✓	✓	✓	✓
Child restraint anchor points	✓	✓	✓	✓	✓	✓	✓
Childproof rear door locks	✓	✓	✓	✓	✓	✓	✓
Day/night rear vision mirror	✓	✓	✓	✓	✓	✓	✓
'Double lock' door deadlock function	✓	✓	✓	✓	✓	✓	✓
Dynamic Stability Control (DSC)	✓	✓	✓	✓	✓	✓	✓
Electronic Brake-force Distribution (EBD)	✓	✓	✓	✓	✓	✓	✓
Emergency Brake Assist (EBA)	✓	✓	✓	✓	✓	✓	✓
Engine immobiliser	✓	✓	✓	✓	✓	✓	✓
High mount stop lamp	✓	✓	✓	✓	✓	✓	✓

		Limited	Classic	Touring	Luxury	Luxury Sports	Diesel	Diesel Sports
<b>Safety (continued)</b>								
Hill launch assist		manual only	manual only	-	-	manual only	✓	✓
Intrusion-minimising brake pedal		✓	✓	✓	✓	✓	✓	✓
Intrusion-minimising clutch pedal		manual only	manual only	-	-	manual only	✓	✓
Left-hand-side convex (wide angle) exterior mirror		✓	✓	✓	✓	✓	✓	✓
One touch (up and down) power window (driver)		✓	✓	✓	✓	✓	✓	✓
Parking sensors (front & rear)		-	-	✓	✓	✓	-	✓
Remote central locking (2 transmitters with retractable key)		✓	✓	✓	✓	✓	✓	✓
Seat-belt warning audible and visual (front and rear)		✓	✓	✓	✓	✓	✓	✓
Seat-belts (front) with pretensioners, load-limiters and height adjustable shoulder anchorages		✓	✓	✓	✓	✓	✓	✓
Seat-belts 3-point lap-sash (all seats)		✓	✓	✓	✓	✓	✓	✓
Side impact door beams		✓	✓	✓	✓	✓	✓	✓
Traction Control System (TCS)		✓	✓	✓	✓	✓	✓	✓
'Triple H' safety construction with front and rear crumple zones		✓	✓	✓	✓	✓	✓	✓
			<b>Sedan</b>		<b>Hatch</b>		<b>Wagon</b>	
<b>Dimensions</b>								
Ground clearance	laden		122 mm		122 mm		122 mm	
Overall height			1,440 mm		1,440 mm		1,490 mm	
Overall length			4,735 mm		4,735 mm		4,765 mm	
Overall width			1,795 mm		1,795 mm		1,795 mm	
Track	front		1,570 - 1,550 mm		1,550 mm		1,550 mm	
	rear		1,570 - 1,550 mm		1,550 mm		1,550 mm	
Wheelbase			2,725 mm		2,725 mm		2,725 mm	
Cargo room	volume (VDA)		519 litres		510 litres		519 litres	
	volume (VDA)*3		-		1,702 litres		1,751 litres	
Kerb weight	man		1,411 kg - 1,417 kg		1,455 kg - 1,597 kg		1,594 kg	
	auto		1,433 kg - 1,474 kg		1,474 kg - 1,517 kg		1,509 kg - 1,521 kg	
Towing capacity**4	braked		1,500 kg		1,500 kg		1,500 kg	
	unbraked		550 kg		550 kg		550 kg	

\*1 Fuel consumption figures are based on ADR 81/02 test results

\*2 Leather interior includes some Maztex material on selected high impact surfaces

\*3 Measured with rear seats folded down and up to roof

\*4 Subject to State or Territory regulations