

Mazda 2 5-door hatchback



This is the new entry-level model from Mazda, on a new reduced Sky-Activ platform to enable a greater range of models.



Structure

The new Mazda 2 is built on a smaller platform than that used for the Mazda 3 and CX-5 which could not be reduced to the required specification. This is modular and can be adjusted in most dimensions to enable other body derivatives. The body features press-hardened steels for the door impact beams (do not repair) and the bumper reinforcement beams. The occupant cell is protected by AHSS (Advanced High Strength Steels) (TS780MPa) for the A post inner and reinforcement and some of the floor cross-members, and UHSS (Ultra High Strength Steels) (TS1180MPa) for the B post structure, the side sills and the upper screen pillar and roof side members. The B post structure includes new non-expanding structural foam (STF100) to prevent the panel buckling in an impact. Many of these profiles have been optimised with additional ridge lines for wider dispersal of the impact loads of a crash, and most panels are made up of varied thicknesses of material. 30% of the remaining structure is 440/590MPa HSS with just 34% of the body being mild steel.

Technology

Mazda has enhanced the HMI (human machine interface) to minimise hand and eye movements required to control the vehicle systems. In some markets, this includes a Head-Up Display and a rotary command control for connectivity and infotainment functions. Functions can be controlled by voice or by the 7" touch screen.

iPhone and Android applications can be accessed via tethering an applicable smartphone to the in-car MZD Connect system. This includes using the phones navigation for vehicle guidance.

The Mazda 2 uses the i-ELOOP braking energy recovery system, utilising an EDL Capacitor and a variable voltage alternator to recover energy and quickly return it to 12 volts for the electrical components.

The Smart City Brake Support system (AEB) utilises a screen-mounted LIDAR sensor to prevent or mitigate accidents at speeds between 4 - 30 km/h. Standard on SE-L (90PS), Sport (90PS) and Sport Nav.

The Mazda 2 also features a Lane Departure Warning system, functional at > 65km/h.



Trim levels : SE, SE-L, Sports Launch Edition, Sport, Sport Nav

All models feature Dynamic Stability Control, Traction Control and a Tyre Pressure Monitoring System.

SE features 15" steel wheels, electric door mirrors, front electric windows, air-conditioning, Halogen headlamps and a rear roof spoiler

SE-L specification upgrades to 15" alloy wheels, front fog lamps, Bluetooth, front and rear electric windows, and power folding heated door mirrors.

90PS models also receive the 7" touchscreen multimedia system with smartphone linking connectivity, a DAB radio, Smart City Brake Support (AEB system) and Lane Departure Warning System.

Satellite Navigation is an option on 90PS SE-L.

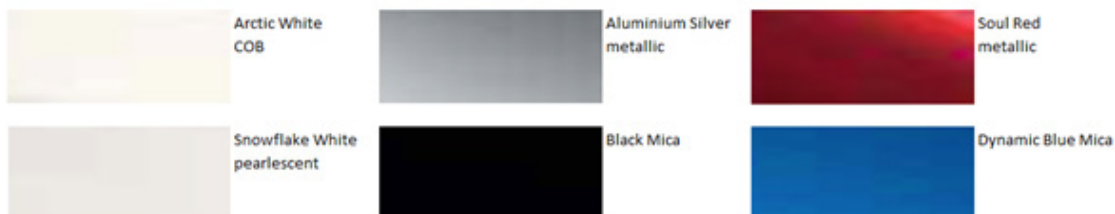
Sports Launch Edition models receive 16" alloy wheels, auto lights and wipers, rear parking sensors, privacy glass and satellite navigation. Metallic, Mica and pearlescent colours are a no-cost option.

Sport models feature 16" alloy wheels, auto lights and wipers, rear parking sensors, privacy glass and an option of satellite navigation on 90PS versions. It also features climate control and a keyless entry system.

Sport Nav (only available with 115PS) also features LED headlamps and Satellite Navigation.



Paint colours



Powertrains

Engine	Output	Peak torque	Emissions class	CO2 output
SkyActiv-D 1.5	105 bhp	220 Nm	Diesel Euro 6	89g/km CO ₂
SkyActiv-G 1.5	115 bhp	148 Nm	Petrol Euro 6	115g/km CO ₂
SkyActiv-G 1.5	90 bhp	148 Nm	Petrol Euro 6	105g/km CO ₂
SkyActiv-G 1.5	75 bhp	135 Nm	Petrol Euro 6	110g/km CO ₂

