



12 June 2013

## PRODUCT INFORMATION

### 2013 V300 Holden Malibu

#### Holden Malibu sedan

- **Configuration:** Four-door sedan

#### Models

- Malibu CD
  - 2.4L petrol, 6-speed automatic with Active Select
  - 2.0L diesel, 6-speed automatic with Active Select
- Malibu CDX
  - 2.4L petrol, 6-speed automatic with Active Select
  - 2.0L diesel, 6-speed automatic with Active Select

#### Dimensions

	<b>Sedan</b>
Length	4865mm
Width (excluding mirrors)	1855mm
Height	1465mm
Wheelbase	2737mm
Front Track	1583mm
Rear Track	1585mm
Leg / hip / head room (front)	1069mm / 1410mm / 991mm
Leg / hip / head room (rear)	946mm / 1382mm / 952mm
Luggage capacity	545 litres

#### Engines

- 2.4 litre DOHC 16-valve 4-cylinder petrol
  - Power: 123kW @ 5800 rpm
  - Torque: 225Nm @ 4600 rpm

- 2.0 litre DOHC 16-valve 4-cylinder common rail turbo diesel  
Power: 117kW @ 4000 rpm  
Torque: 350Nm @ 1750rpm

### Transmission

- 6-speed Gen 2 automatic transmission with Active Select (all models)

*Petrol models – MH8 Auto FWD (Source from GM Korea)*

*Diesel models – MDK Auto FWD (Sourced from Japan)*

### Fuel economy (ADR 81/02)

Fuel economy – Malibu sedan			Litres per 100km	
Engine	Fuel	Trans	CD	CDX
2.4L	Petrol	Auto	8.0	8.0
2.0L	Diesel	Auto	6.4	6.5

### Emissions

Emissions - Malibu sedan			CO2 (g/km)	
Engine	Fuel	Trans	CD	CDX
2.4L	Petrol	Auto	192	192
2.0L	Diesel	Auto	170	172

### Green Vehicle Guide Scores

- 2.4L petrol automatic: 4 GVG rating
- 2.0L diesel automatic: 3.5 GVG rating

### Engine Feature Highlights

#### 2.4L 4-cylinder DOHC petrol engine (sourced from Bupyeong, South Korea)

The economical four-cylinder engine features many technological highlights that include:

- An optimised piston skirt to reduce operational noise
- Aluminium engine block and cylinder head for lighter weight construction (a contributor to fuel efficiency) and enhanced NVH characteristics
- Cam phasers for both intake and exhaust valves (variable valve timing). Each camshaft is equipped with a cam position sensor so the ECM can accurately phase the camshafts
- Digital sensors (crank sensor, cam sensor, etc.), rather than analogue, provide greater precision, accuracy and speed from sensor to processor, resulting in cleaner in-cylinder burning of air/fuel mixture, better information processing and more efficient operation
- Oil-cooling jets to ensure optimal piston cooling. Located at the bottom of the piston bore in the crankcase, the system squirts oil into the underside of the bores to ensure cooling, lubrication, and enhanced long-term durability

## **2.0 litre 4-cylinder common rail turbo diesel engine (sourced from Kaiserslautern, Germany)**

The 2.0 litre common rail turbo diesel engine is a powerful and fuel-efficient diesel offering. Highlights include:

- An advanced, electronically controlled turbocharger with intercooler that enables smooth driving, lower fuel economy and lower emissions
- A high-pressure common rail system that delivers multiple injection performance and optimized injection quality within the combustion chamber, ensuring reduced combustion noise, fuel economy and reduced emissions
- A diesel particulate filter system that's maintenance-free for the life of the vehicle

### **Comfort oriented suspension**

Holden Malibu is locally-tuned, with a unique-for-Australia suspension and damper tune incorporating a McPherson Strut with lower L arm, aluminium alloy front knuckles and lower control arm.

The Malibu rear features an independent multi-link suspension with direct acting shock and stabiliser bar. It also includes aluminium alloy front knuckles and lower control arm.

Twin tube, full displaced Shock Absorbers (monotube type piston), locally tuned for Australia.

### **Transmission**

A six-speed Active Select automatic transmission is standard across the range. Features of the auto transmission include:

- Clutch-to-clutch shift operation for precise, smoother shifts between gears
- Wide spread ratio – first gear has brisk acceleration with its high ratio, 6th gear overdrive ratio keeps engine revolutions as low as possible for fuel-efficient highway cruising
- All have 'tap-up/tap-down' Active Select feature which allows drivers to select and hold gears for a more spirited driving experience

### **Technical Data Overview**

- Drive axle: Front wheel drive
- Turning circle: 11 metres
- Fuel tank capacity: 73 litres

#### *Compression Ratio:*

- 2.4 litre petrol – 10.4:1
- 2.0 litre diesel - 16.5:1

#### *Steering:*

- Hydraulic power steering (2.0L Diesel)
- Electric power steering (2.4L Petrol)

#### *Brakes:*

- 2.4L Petrol 16" front ventilated discs; rear solid discs
- 2.0L Diesel 17" front ventilated discs; rear ventilated discs
- Electronic Stability Control (ESC) Four channel, four sensor ABS, EBD, TCS
- Automatic release electric park brake standard across the range
- Hill Start Assist

**Towing:**

- Petrol - 750kg (unbraked) / 1200kg (braked)
- Diesel - 750kg (unbraked) / 1200kg (braked)

**Wheels and tyres (locally tuned RHD bias):**

- CD 17" x 7" alloy wheels; 225/55R 17-97V tyres (4) Kumho Ecsta
- CDX 18" x 8" alloy wheels; 245/45R 18-100V tyres (4) Bridgestone Potenza

**Gear ratios - Automatic transmission**

(all six-speed transverse, electronically controlled, automatic overdrive transmission)

Type:	GF6 GT40 2.4L Petrol	Aisin AF-40 2.0L Diesel
Gear Ratios		
First	4.584	4.184
Second	2.964	2.370
Third	1.912	1.556
Fourth	1.446	1.155
Fifth	1.000	0.859
Sixth	0.746	0.686
Reverse	2.940	3.394
Final drive ratio	3.23	3.20

**Kerb weights**

Malibu Sedan			Specification in kg	
Engine	Fuel	Trans	CD	CDX
2.4L	Petrol	Auto	1583	1610
2.0L	Diesel	Auto	1659	1684

**MyLink – Infotainment system**

Every Malibu model features Holden’s premium MyLink Infotainment system as standard.

Holden MyLink is app-enabled in-car technology and is available in a range of models including Barina CDX, MY2014 Cruze and VF Commodore/WN Caprice

In the Holden Malibu, MyLink features:

- 7" full colour touch screen
- AM/FM radio with RDS display
- In-dash CD player
- Audio streaming via Bluetooth (compatible devices)
- Phone integration
- Phone book support
- Pandora and Stitcher apps (compatible with iOS and Android devices, data streams via the phone’s 3G connection)

- USB and auxiliary input

## **Safety**

Occupant safety was an overriding objective when developing Malibu, achieving a maximum 5-star ANCAP (Australian New Car Assessment Program) rating in Australia. Malibu incorporates a host of structural enhancements as well as a full range of active and passive safety systems standard across the range all designed to place it among the safest vehicles in its class.

Malibu offers an impressive level of standard safety including:

- Electronic Stability Control (ESC)
- Anti-lock Braking System (ABS)
- Electronic Brakeforce Distribution (EBD)
- Traction Control System (TCS)
- Brake Assist
- 6 airbags (driver, front passenger, front side and curtain)
- Break away brake pedal
- Energy absorbing steering column and driver seat position sensor
- Three-point seatbelts in all five seating positions
- Seatbelts – energy management and pyrotechnic retractor and lower O/B Anchor Pretensioner
- ISOFIX at rear seating positions

Additionally, all models are fitted with a reverse camera and rear parking sensors as standard.

Malibu has been designed with an extremely strong and stiff body with multi load path crash structure. It uses 65 per cent High Strength Steel and features an optimised steering column ride-down mechanism. Malibu also features an optimised front end for pedestrian protection and good whiplash rating as a result of the seat frame structure and headrest design.

## **Cargo/Storage**

Holden Malibu has been designed with clever storage options including a hidden storage compartment behind the MyLink touch-screen.

Door pockets have been designed to accommodate a 1-litre bottle in each door (front and rear) and the front pockets will also fit a regular size drink can.

As part of Malibu's calm interior theme, many of the storage compartments are hidden, including a bin on the driver's side of the dashboard. The dual cup holders in the centre console can also be hidden from view with a sliding cover.

The centre console also incorporates CD storage under the armrest with both aux input, USB input and auxiliary power outlet. A recess at the rear of the armrest allows cables to be plugged in for those in the rear seat.

A rear centre armrest includes dual cup holders and additional storage bin and seatback pockets are large enough to carry books, road atlases or thin laptops.

Malibu offers generous luggage space of 545 litres.

## **Convenience**

Standard power height adjustable driver and front-passenger seats. Eight-way adjustable

power heated front seats (standard on CDX) offer three levels of heated comfort - low, medium and high. They are designed for quick warm-up and use an electronically controlled heat pad integrated into the seat cushion and back.

All Malibu models feature sensor key technology and push button start, and auto-on/off headlights.

For full specifications, see the range and pricing release

### **Servicing**

As with all Holden models, Malibu benefits from capped price servicing up to four standard scheduled services (as specified in the Service Warranty Booklet) for the first three years or 60,000Kms, whichever comes first.

Petrol models - \$185, Diesel models - \$335

### **Place of Manufacture**

Bupyeong, South Korea

### **Connect with Holden**

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