

M5

Engine

90° V10 engine with four-valve technology (S85)
 Catalytic converter
 Digital Motor Electronics MS S65 (DME)
 Dual-mass flywheel
 Electric throttle butterfly control
 EU4 emissions management
 Hydraulic valve play compensation
 Individual throttle butterflies (ten)
 IONIC-flow engine knock control
 M Double-VANOS (high pressure)
 Oil supply with lateral force control
 Solid state ignition system

Transmission

Corner Recognition Control
 Hill Recognition Control
 Seven-speed Sequential Manual Gearbox (SMG) with DRIVELOGIC

Wheels and chassis

19" light alloy M Radial-spoke style 166M with 255/40 ZR19 front and 285/35 ZR19 rear tyres
 Aluminium brake callipers at the front and rear
 Compound disc brakes, inner-vented and cross-drilled all round
 Electronic Damper Control (EDC) with 3 settings: Comfort, Normal and Sports
 Lightweight double-joint spring-strut front axle with aluminium strut brace
 Lightweight integral rear axle
 M Mobility tyre puncture system
 M Servotronic steering – linked to EDC
 M Sports suspension
 Variable M differential lock

Safety and technology

Adaptive headlights
 Airbag features:
 Advanced Head Protection System (AHPS II), front and rear
 Crash sensor activating central locking release, hazard warning lights, fuel cut-off and interior lighting
 Impact-Depending airbag system (ID airbags), driver and front passenger
 Passenger seat occupancy sensor, front
 Side airbags, front and rear

Safety and technology (cont)

Alarm system (Thatcham 1) with remote control and engine immobiliser
 Anti-roll bars, front and rear
 Brake Force Display
 Car/key Memory
 Check control warning system
 Child locking system, rear doors
 Condition Based Servicing (CBS)
 Cruise control, programmable
 Deformation zones – front and rear, door reinforcements and bumpers that regenerate to their original shape in impacts of up to 2.5 mph. Crumple elements at the front regenerate in impacts of up to 9.5 mph
 Dynamic Stability Control (DSC) with M Dynamic Mode comprising:
 Anti-lock Braking System (ABS)
 Automatic Stability Control (ASC)
 Corner Brake Control (CBC)
 Dynamic Brake Control (DBC)
 Engine Drag Torque Control (MSR)
 Hill-start assistant
 First Aid kit and warning triangle
 Foglights, rear
 Follow-me-home headlight function (time adjustable)
 GRAV – Complete front end made from lightweight aluminium including bonnet
 Head restraints, front and rear
 Headlight wash
 High level third brake light
 M Launch control
 MDrive manager
 On-Board Diagnosis (OBD)
 Park Distance Control (PDC), front and rear
 Positioning lights in headlight clusters
 Rain sensor with automatic headlight activation
 Seat belts, inertia reel at the front with pyrotechnical belt latch tensioner, belt force limiter and belt retainer
 Seat belts – three with inertia reel, rear
 Side impact protection
 Tyre Puncture Warning System (TPWS)
 Visible VIN
 Xenon headlights for low and high beam with automatic height adjustment