

IMMEDIATE

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2002 BMW 7 SERIES PRODUCT HIGHLIGHTS

Concept & models

- First models in all-new 7 Series: regular-wheelbase **745i** and long-wheelbase **745Li**, both powered by all-new V-8 engine
- Extensive innovations in design, engineering, technology, safety and ergonomics
- Internal platform designations are E65 for regular-wheelbase models, E66 for long-wheelbase models; previous generation was E38
- 2003 model year will see addition of V-12 **760Li** model

Exterior design & functional features

- One of BMW's biggest design changes in many years
- Longer wheelbase, overall length up slightly, front and rear overhangs shorter; height approximately 1.5 in. greater compared to predecessor models
- Maintains key BMW design traditions: "kidney" grilles, four headlights, "reverse kink" in the C-pillar, overall feeling of dynamism and power
- Bi-Xenon headlights (high-intensity-discharge low and high beams) with "eyebrow" turn signals above them; luminous rings around headlights, high-pressure headlight cleaning system
- Rain-sensing windshield wipers with new operational innovations
- Auto-dimming outside (and inside) rearview mirrors
- Very clean design, with minimum of decoration
- New adaptive brakelights, with additional illumination to signal hard or emergency braking

All-new powertrain

- New V-8 engine; same 4.4-liter displacement as predecessor but all-new engineering:
 - 325 hp, up from predecessor's 282 hp
 - New, patented and unique Valvetronic system, eliminating conventional throttle; power controlled by varying lift of intake valves
 - Variable valve timing on intake and exhaust valves
 - New, unique fully-variable intake manifold
- New 6-speed adaptive automatic transmission

Innovative ride, handling & braking features

- New aluminum suspension system
- New Active Roll Stabilization (ARS); stabilizer bars are actively controlled to minimize body roll (lean); amazingly flat cornering
- Available self-leveling rear air suspension
- Available Electronic Damping Control (electronically controlled shock absorbers) newly engineered for an even more remarkable combination of riding comfort and responsive handling
- New variable-assist, variable-ratio rack & pinion power steering
- 4-wheel ventilated disc brakes, larger and more powerful than before
- Unique electromechanical parking brake with Automatic Hold feature (hillholder and anti-creep functions)
- 18-inch wheels and tires standard, 19-inch optional
- Further evolved Dynamic Stability Control system, incorporating –
 - Antilock braking (ABS)
 - All-speed traction control
 - New Dynamic Traction Control for specific slippery road conditions
 - Cornering- and avoidance-stability enhancement
 - Dynamic Brake Control (assists driver in emergency braking)
 - Electronic brake proportioning for optimum application of brakes at all times
- Available Tire Pressure Monitor system

Interior: new ways to command and enjoy a BMW

- Power tilt/telescopic steering wheel with fingertip multi-function controls, automatic tilt-away for entry and exit
- 14-way power driver's / 12-way passenger's front seats (745i)
- 20-way power front Comfort seats with articulated backrests, adjustable thigh support (standard 745Li, available 745i)
- Memory system for driver's seat, steering wheel, safety-belt height and outside mirrors
- iDrive concept, a new BMW interior ergonomics and design philosophy:
 - Driving area –
 - Multi-function remote key which inserts directly into ignition slot
 - Start/stop button
 - Electric gear selector and shift buttons
 - Multi-function steering wheel and electric control stalks
 - LCD displays and warning indicators in speedometer and tachometer dial faces
 - Variable rpm warning segment on tachometer
 - Electromechanical parking brake
 - Automatic Hold
 - Programmable cruise control
 - Comfort and convenience area (including control display and controller) –
 - BMW Assist/Emergency functions
 - Communications/phone functions
 - Vehicle and travel functions (maintenance, monitoring, Onboard Computer)
 - GPS Navigation
 - Entertainment functions
 - Climate-control functions
 - ?? Help – explanations of iDrive functions and operations
 - ?? Configuration – including vehicle parameters (such as Dynamic Stability Control and Dynamic Traction Control), operations (such as central locking system) and settings (such as language)
- Microperforated leather upholstery
- Black Cherry matte wood trim (light or dark color)
- Automatic climate control with left/right controls
- 10-speaker AM/FM/CD audio system

- Portable/digital-analog BMW Cellular Phone System with in-dash Telecommander
- Voice Input System for phone, navigation and notepad functions

Safety & security features

- Front-seat front- and side-impact airbags
- Front-seat Head Protection System
- Active Knee Protection (inflatable knee protection for front occupants)
- Available rear-seat side-impact airbags and Head Protection System (extends BMW's Inflatable Tubular Structure concept to rear passengers)
- Active front head restraints with Comfort front seats
- Intelligent Safety & Information System (ISIS) for deployment of safety systems
- Battery Safety Terminal to reduce likelihood of vehicle fire in severe accident impacts
- Coded Driveaway Protection (rolling-code immobilizer system for theft deterrence)

Available options

- Five Packages available:
 - Adaptive Ride Package – Electronic Damping Control and self-leveling rear suspension
 - Cold Weather Package – heated steering wheel and front/rear seats, ski bag
 - Convenience Package – soft-close doors, automatic trunk opening/closing
 - Active Ventilated Seat Package – Comfort seats with fatigue-reducing Active feature and internal ventilation, heated front and rear seats
 - Premium Sound Package – Logic 7 audio system with increased audio power, 7 channels, 13 speakers, Digital Sound Processing, Surround Sound simulation, in dash 6-disc CD changer
- 19-in. Sport Wheels with performance tires, differentiated front/rear sizes
- Tire Pressure Monitor
- Park Distance Control with new graphic display in iDrive monitor

- Rear Comfort Seats (available in 745Li only)
- Power rear/side sunshades

Available options (cont.)

- High-gloss Ash wood trim – light or dark (no cost)
- Rear-seat side-impact airbags and rear Head Protection System
- Heated steering wheel and front seats, ski bag also available as stand-alone options
- ?? Break-resistant security glass with steel sunroof
- ?? AM/FM cassette player in place of AM/FM in-dash CD (no cost)

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