

IMMEDIATE

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2002 BMW 7 SERIES STANDARD & OPTIONAL FEATURES

Bold indicates new feature.

PERFORMANCE & EFFICIENCY	745i	745Li
4.4-liter DOHC (4-cam) 32-valve V-8 engine with:		
Valvetronic system	S	S
Steplessly variable intake system	S	S
Double VANOS ¹ steplessly variable valve timing	S	S
Aluminum block & cylinder heads	S	S
Electronically controlled engine cooling (map cooling)	S	S
Digital Motor Electronics engine-management system with adaptive knock control	S	S
6-speed electronically controlled automatic transmission with:		
Adaptive Transmission Control (ATC)	S	S
Electric selectors	S	S
Steering-wheel downshift controls ("L" range)		S S
Mechatronic internal controls	S	S
Liquid-cooled alternator	S	S

S – Standard

¹ – VANOS = **VA**riable **NO**ckenwellen **S**teuerung = variable camshaft control, or variable valve timing.

HANDLING, RIDE & BRAKING	745i	745Li
Aluminum double-pivot strut-type front suspension	S	S
Aluminum 4-link integral rear suspension	S	S
Aluminum front & rear subframes	S	S
Active Roll Stabilization (ARS) front & rear	S	S
Twin-tube gas-pressure shock absorbers	S	S
Self-leveling rear suspension with air springs	ZAR	ZAR
Electronic Damping Control, stepless	ZAR	ZAR
Vehicle-speed-sensitive variable-assist, variable-ratio		
rack-and-pinion power steering	S	S
4-wheel ventilated disc brakes	S	S
Electromechanical parking brake	S	S
Automatic Hold	S	S
Dynamic Stability Control (DSC) encompassing:		
Antilock Braking System (ABS)	S	S
All-speed traction control	S	S
Dynamic Traction Control	S	S
Cornering/avoidance-stability enhancement	S	S
Dynamic Brake Control	S	S
Electronic brake proportioning	S	S
18 x 8.0 Double Spoke alloy wheels	S	S
19 x 9.0 front / 19 x 10.0 rear Star Spoke alloy wheels	OPT	OPT
245/45R-18 V-rated all-season tires	S	S
245/45R-19 front / 275/40R-19 rear		
performance tires	OPT	OPT
Tire Pressure Monitor system	OPT	OPT

S – Standard

OPT – Optional

ZAR – Adaptive Ride Package

EXTERIOR & AERODYNAMICS	745i	745Li
Body-color bumpers with hydraulic energy absorbers & (front only) compressible elements	S	S
Aluminum hood & front fenders	S	S
Bi-Xenon low & high beams in outer headlights with dynamic auto-leveling (inner headlights are halogen high beams)	S	S
Halogen ellipsoid front foglights	S	S
Rear foglights	S	S
High-pressure headlight cleaning system	S	S
Rain-sensing windshield wipers with:		
Electronically controlled, reversible wiper motor		S S
Wiping sweep regulated for optimum coverage ²		S S
Variable parking position to reduce blade wear		S S
Articulated passenger-side wiper arm	S	S
Single-wipe control	S	S
Washer jets in wiper arms , heated fluid supply	S	S
Heated wiper parking area	S	S
Choice of standard or metallic paints	S	S
Illuminated exterior door handles & ground illumination	S	S
Park Distance Control with graphic display	OPT	OPT
Smooth underbody	S	S
 ERGONOMICS, LUXURY & CONVENIENCE		
Vehicle & Key Memory	S	S
Keyless entry with multi-function remote control	S	S
Selective unlocking ³	S	S
Remote trunk release, window & moonroof opening	S	S
Soft-close doors	ZCV	ZCV

S – Standard

OPT – Optional

ZCV – Convenience Package

² – Driver's side only.

³ – Selectable via Vehicle & Key Memory.

ERGONOMICS, LUXURY & CONVENIENCE (cont.)		745i
745Li		
Dual power/heated auto-dimming outside mirrors	S	S
Automatic tilt-down of right outside mirror for visibility of low obstructions when backing up	S	S
BMW Universal Transceiver (3-function garage-door opener), integrated into rearview-mirror housing	S	S
Enhanced interior lighting system, including:		
Front & rear left/right reading lamps	S	S
Footwell lighting front & rear	S	S
Exit/entry lighting on interior door panels	S	S
BMW Ambiance Lighting front, rear & door panels		S S
Illuminated visor vanity mirrors front & rear	S	S
LED "atmosphere" lamps in C-pillars	S	S
Illuminated front console compartment	S	S
Locking glove compartment with rechargeable take-out flashlight	S	S
Leather power tilt/telescopic steering wheel with fingertip cruise, audio & phone controls, program- mable control , auto tilt-away for entry & exit	S	S
Heated steering wheel	OPT/ ZCW	OPT/ ZCW
14-way power driver's / 12-way passenger's front seats (include automatic head-restraint height adjustment , 4-way lumbar support)	S	S
Memory system for driver's seat, steering wheel, safety-belt height & outside mirrors	S	S
20-way power front Comfort Seats, including articulated upper backrests, passenger's-seat memory, active head restraints with adjustable side support	OPT	S
Active Comfort ventilated front seats	ZAV	ZAV

S – Standard

OPT – Optional

ZAV – Active Ventilated Seat Package

ZCW – Cold Weather Package

ERGONOMICS, LUXURY & CONVENIENCE (cont.)		745i
745Li		
3-stage heated front seats with fast heating	OPT/	OPT/
& balance control	ZAV/	ZAV/
	ZCW ⁴	ZCW ⁴
14-way power rear Comfort seats, including articulated upper backrests, 4-way lumbar support, head-restraint height & auto retraction, safety-belt force limiters	NA	OPT
Heated rear seats	ZCW/	ZCW/
	ZAV ⁴	ZAV ⁴
Climate-controlled front console compartment with coinholder, trunk-release lockout, illumination & phone handset	S	S
Electronic analog speedometer & tachometer with variable tachometer warning segment	S	S
Service Interval Indicator with miles-to-service readout ⁵	S	S
Expanded Check Control vehicle monitor system	S	S
iDrive system, Driving area -		
Multi-function remote control	S	S
Start/stop button	S	S
Electric transmission selectors & shift buttons		S S
Electric control stalks	S	S
LCD displays & warning indicators in dial faces		S S
Electromechanical parking brake	S	S
Automatic Hold	S	S
Programmable cruise control	S	S

S – Standard

ZAV – Active Ventilated Seat Package

OPT – Optional

ZCW – Cold Weather Package

NA – Not available

⁴ – Active Ventilated Package & Cold Weather Package not available in combination with each other.

⁵ – Additional functions for this system accessible through iDrive.

ERGONOMICS, LUXURY & CONVENIENCE (cont.) **745i**

745Li

Comfort, convenience & choices area

(monitor & controller) -

BMW Assist/Emergency functions S S

Communications/phone functions S S

Vehicle functions (maintenance, monitoring,

Onboard Computer) S S

GPS Navigation S S

Help screen S S

Entertainment functions (audio system) S S

Configuration functions S S

Climate-control functions S S

New Classic leather upholstery with microperforated

seating surfaces S S

Matte-finish Black Cherry genuine wood trim ⁶ **S S**

High-gloss Ash genuine wood trim ⁷ **OPT OPT**

Power windows with key-off operation,

1-touch open/close, anti-trapping feature S S

Automatic climate control with full separate

left/right controls, solar sensor, automatic recirculation,

heat-at-rest feature, left/right temperature-controlled

rear outlets, automatic ventilation S S

Activated-charcoal microfilter ventilation S S

Power 2-way moonroof with key-off & 1-touch operation,

conceal panel & wind deflector S S

AM/FM stereo radio/CD audio system with 10 speakers,

Radio Data System (RDS), **in-dash single-disc**

CD player & FM diversity antenna system;

includes 2 subwoofers S S

S - Standard

OPT - Optional

⁶ - Light wood with Beige, Flannel Gray, Natural Brown and Stone Green interiors; dark wood with Black interior.

⁷ - Light wood with Beige interior, dark wood with all other interior colors.

ERGONOMICS, LUXURY & CONVENIENCE (cont.) **745i**

745Li

Logic 7 audio system with 13 speakers , Digital Sound Processing & 6-disc in-dash CD changer; includes 2 subwoofers & all features of standard system	ZPS	ZPS
BMW Cellular Phone System, portable with digital-analog operation, Telecommander , Voice Input System, Mayday functions & other features	S	S
Power outlet in passenger's-side footwell area		S S
Dual cupholders front & rear (total of 4-cup capacity)	S	S
Rear center armrest with storage compartment	S	S
Power rear-window & rear door sunshades with driver & rear-passenger controls	OPT	OPT
Ski bag	ZCW	ZCW
Fully finished trunk with luggage straps, space for 4 golfbags, inside trunk release	S	S
Automatic trunk opening & closing	ZCV	ZCV

SAFETY & SECURITY

Dual front-impact airbag Supplementary Restraint System (SRS) with dual-threshold deployment, 2-stage Smart Airbags	S	S
Front safety belts with automatic height adjustment, automatic tensioners & force limiters	S	S
Automatic safety-belt tensioners at outboard rear seating positions	NA	OPT ⁸
Automatic-locking retractors (ALR) on all passenger safety belts (for installation of child restraint seats)	S	S

S - Standard

OPT - Optional

C - BMW Center-installed

ZCV - Convenience Package

⁸ - Included in rear Comfort Seats.

ZCW – Cold Weather Package

ZPS – Premium Sound Package

SAFETY & SECURITY (cont'd)	745i	745Li
Front-seat Head Protection System (HPS)	S	S
Front-seat side-impact airbags	S	S
Active Knee Protection	S	S
Rear-seat Head Protection System (AHPS II)		
& rear-seat side-impact airbags ⁹	OPT	OPT
Active front head restraints	OPT/ZAV	S
Intelligent Safety & Information System (ISIS)		
for deployment of safety systems	S	S
Battery Safety Terminal	S	S
Automatic fuel-pump shutoff upon severe accident impact	S	S
Central locking system with double-lock anti-theft feature, selective unlocking ³	S	S
Coded Driveaway Protection	S	S
Pathway Lighting feature ³	S	S
Alarm system with operation from remote, interior motion detector	S	S
BMW Break-resistant Security Glass ⁹	OPT	OPT

S – Standard

OPT – Optional

NA – Not available

ZAV – Active Ventilated Seat Package

⁹ – Special order; vehicle delivered from factory with rear side-impact airbags de-activated