

# BMW of North America, LLC

## 2004 Models (except X3 and X5 - use checklist SD92-260)

### Service Maintenance Checklist

Only operations that pertain to this vehicle will be performed.

NOTE: Any other requested repairs not listed or covered by the applicable BMW Limited Warranty will be charged to the owner and invoiced separately.

Customer's Name								
Chassis Number	Indicate # Lights illuminated in Service Interval Indicator <table border="1"> <tr> <td>G</td><td>G</td><td>G</td><td>G</td><td>G</td><td>Y</td><td>R</td> </tr> </table>	G	G	G	G	G	Y	R
G	G	G	G	G	Y	R		
BMW center	Mileage (on Service Interval Ind.)							
Repair Order No.	Mileage (on odometer)							

State and federal statutes require a properly completed copy of this form to be retained in the BMW center's customer file.

Spare  
RR  
RF  
LR  
LF  
Tire Pressure (psi)

TECHNICIAN'S SIGNATURE	Z4 2.5i, 3.0i roadster	325i, 330i	M3	✓
	E85	E46		
<b>BMW Oxygen Sensor Replacement</b> , required at intervals of 120,000 mi. (325i SULEV: 150,000 mi. M3: 100,000 mi.)	●	●	●	
<b>BMW Spark Plug Replacement</b> , required at intervals of _____,000 mi.	100	100	60	
<b>BMW Automatic Transmission Service</b> ; change ATF at intervals of 100,000 mi.	●	●		
<b>1200 Mile Service</b>				
Read out diagnostic system.			●	
Change oil and oil filter while engine is at operating temperature. Use only Castrol TWS Motorsport SAE 10W-60 Synthetic oil, or Castrol Formula RS 10W-60 Synthetic oil, BMW p/n 07 51 0 009 420			●	
Replace transmission fluid.			●	
Replace differential oil.			●	
Check all warning/indicator lights, check control.			●	
Road test with check of brakes, suspension, steering, clutch/manual transmission.			●	
<b>BMW Engine Oil Service</b>				
Change oil and oil filter while engine is at operating temperature. We recommend BMW High Performance 5W-30 Synthetic oil, p/n 07 51 0 017 866	●	●		
Change oil and oil filter while engine is at operating temperature. Use only Castrol TWS Motorsport SAE 10W-60 Synthetic oil, or Castrol Formula RS 10W-60 Synthetic oil, BMW p/n 07 51 0 009 420			●	
Replace microfilters. <b>Note:</b> reduce replacement interval in dusty operating conditions.	●	●	●	
Check overall thickness of front and rear disc brake pads using special tool. Record results. If replacement is necessary*: Examine brake disc surfaces. Clean brake pad contact points in calipers. Grease wheel centering hubs. Check thickness of parking brake linings only when replacing rear pads. Record results.	●	●	● rear only	
Remove and install front disc brake pads, check overall thickness. Record results. Examine brake disc surfaces. Clean brake pad contact point in calipers. Grease wheel centering hubs.			●	
Check parking brake actuation. Adjust if necessary.	●	●	●	
Lubricate convertible top hinge covers.		●	●	
Reset Service Indicator. <b>Note:</b> Do not reset Service Indicator when additional oil changes (between the normal intervals) are requested by the customer.	●	●	●	
<b>BMW Inspection I: Undercarriage</b>				
Change oil and oil filter while engine is at operating temperature. We recommend BMW High Performance 5W-30 Synthetic oil, p/n 07 51 0 017 866	●	●		
Change oil and oil filter while engine is at operating temperature. Use Castrol TWS Motorsport SAE 10W-60 Synthetic oil, or Castrol Formula RS 10W-60 Synthetic oil, BMW p/n 07 51 0 009 420			●	
Check transmission for leaks.	●	●	●	
Check rear axle for leaks.	●	●	●	
Half shafts: Check for leaks at flexible boots.	●	●	●	
Visually check fuel tank, lines and connections for leaks.	●	●	●	
Check condition, position, and mounting of exhaust system. Examine for leaks.	●	●	●	
Check power steering system for leaks. Check p/s fluid level; add fluid if necessary.		●	●	
Check overall thickness of front and rear disc brake pads using special tool. Record results. If replacement is necessary*: Examine brake disc surfaces. Clean brake pad contact points in calipers. Grease wheel centering hubs. Check thickness of parking brake linings only when replacing rear pads. Record results.	●	●	● rear only	
Remove and install front disc brake pads, check overall thickness. Record results. Examine brake disc surfaces. Clean brake pad contact points in calipers. Grease wheel centering hubs.			●	
Check brake (and clutch) system connections and lines for leaks, damage, and incorrect positioning.	●	●	●	
Check steering for absence of play, condition of suspension track rods, front axle joints, steering linkage and joint disc.	●	●	●	
Check parking brake actuation. Adjust if necessary.	●	●	●	

BMW Inspection I (cont'd)		Z4 2.5i, 3.0i roadster	325i, 330i	M3	✓
		E85	E46		
Washer Fluid:	Check all tire pressures (including spare). Correct if necessary. Record results. Check condition of tires (outer surfaces [left/right]), tread wear and pattern; in case of uneven tread wear readjust wheels alignment if requested.* Note: If requested, rotate all four roads wheels as instructed and rebalance.*	●	●	●	
	Replace M-Mobility System sealant cartridge every 3 years.			●	
Freeze Point Temperature (°F): Coolant	Inspect entire body according to terms of rust perforation limited warranty (must be performed at least every two years).	●	●	●	
	<b>BMW Inspection I: Engine Compartment</b>				
Freeze Point Temperature (°F): Coolant	Read out diagnostic system.	●	●	●	
	Check and adjust valves.			●	
	Check engine cooling system/heater hose connections for leaks. Check coolant level and antifreeze protection level; add coolant if necessary.	●	●	●	
	Check level of brake and clutch fluid in reservoir. Add fluid if required.	●	●	●	
	Replace brake fluid every 2 years (time interval begins from vehicle's production date).*	●	●	●	
	Check windshield washer fluid level and antifreeze protection. Fill up and/or correct if necessary. Record freeze point temperature.	●	●	●	
	Check air conditioner operation.	●	●	●	
	Replace microfilters. <b>Note:</b> reduce replacement interval in dusty operating conditions.	●	●	●	
	Reset Service Indicator.	●	●	●	
	<b>BMW Inspection I: Body/Electrical Equipment</b>				
RR	Check battery state-of-charge, and charge if required.*	●	●	●	
	Check lighting system, i.e., headlights, foglights, parking, back-up, license plate, interior (including map reading lights), glove box, flashlight, illuminated make-up mirrors, luggage compartment lights.	●	●	●	
	Check instrument panel and dashboard illumination.	●	●	●	
	Check all warning/indicator lights, check control.	●	●	●	
	Check turn signals, hazard warning flashers, brake lights, horns, headlight dimmer/flasher switch.	●	●	●	
	Check wipers and washer system(s); wiper blades, washer jet positions.	●	●	●	
	Check condition and function of safety belts.	●	●	●	
	Recharge or replace batteries for remote controls in all vehicle master keys.	●	●	●	
	Check central locking/double lock.	●	●	●	
	Check operation of all latches.	●	●	●	
RF	Check heater/air conditioner blower fan, rear window defogger.	●	●	●	
	Check rear view mirrors.	●	●	●	
	Visually examine the SRS airbag units for torn covers, obvious damage or attachment of decals, decorations or accessories.	●	●	●	
LR	Activate automatic roll-over protection system (if equipped) via diagnostic link. <b>Note:</b> First remove hardtop/lower top.		●	●	
	Lubricate convertible top hinge covers.		●	●	
LF	<b>Final Inspection</b>				
	Road test with check of brakes, suspension, steering, clutch/manual transmission or automatic transmission.	●	●	●	
	<b>BMW Inspection II: Includes all items listed under Inspection I, and the following checks and maintenance items:</b>				
	<b>Engine Compartment</b>				
	Replace intake air cleaner element. <b>Note:</b> Reduce replacement interval in dusty operating conditions.	●	●	●	
	Replace spark plugs.			●	
	<b>Undercarriage</b>				
	Replace transmission fluid.			●	
	Replace differential oil.			●	

\*Invoice separately

Parking Brake Lining Thickness (mm):