

# BMW of North America, LLC

## 2006 3 Series (E46), Z4

### 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  
LF  
Tire Pressure (psi): LF

TECHNICIAN'S SIGNATURE	Z4 roadster 3.0i, 3.0si	M roadster	325ci, 330ci	M3	Z4 coupe 3.0si	M coupe	
	E85		E46		E86		✓
<b>BMW Oxygen Sensor Replacement</b> , required at intervals of _____,000 mi.	120	100	120	100	100	100	
<b>BMW Spark Plug Replacement</b> , required at intervals of _____,000 mi.	100	60	100	60	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, shock absorbers (external), 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.	●	●	●	●	●	●	
Check parking brake actuation. Adjust if necessary. Burnish emergency brake.	●	●	●	●	●	●	
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.	●	●	●	●	●	●	
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.	●	●	●	●	●	●	
Check all tire pressures (including spare if equipped). 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.* <b>Note:</b> If requested, rotate all four roads wheels as instructed and rebalance.*	●	●	●	●	●	●	

Washer Fluid: \_\_\_\_\_  
 Coolant: \_\_\_\_\_  
 Freeze Point Temperature (°F): \_\_\_\_\_  
 RR: \_\_\_\_\_  
 RF: \_\_\_\_\_  
 LR: \_\_\_\_\_  
 LF: \_\_\_\_\_  
 Disc Brake Pad Thickness (mm): \_\_\_\_\_  
 Parking Brake Lining Thickness (mm): \_\_\_\_\_

# BMW Inspection I (cont'd)

	Z4 roadster 3.0i, 3.0si	M roadster	325ci, 330ci	M3	Z4 coupe 3.0si	M coupe	✓
	E85		E46		E86		
Replace M-Mobility System sealant cartridge every 4 years.		●		●		●	
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>							
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>							
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.	●	●	●	●	●	●	
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.	●	●	●	●	●	●	
Activate automatic roll-over protection system (if equipped) via diagnostic link. <b>Note:</b> First remove hardtop/lower top.			●	●			
Lubricate convertible top hinge covers.			●	●			
<b>Final Inspection</b>							
Road test with check of brakes, suspension, steering, clutch/manual transmission or automatic transmission, shock absorbers (external). Burnish emergency brake.	●	●	●	●	●	●	
<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