

# BMW of North America, LLC

## 2002 Models (except X5) X5: use checklist SD92-182

### 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	M Roadster, M Coupe		Z3 2.5, 3.0 Roadster/Coupe		325i, 330i		M3		5 Series (excl. M5)		M5		Z8		✓
	E36	E46	E39	E52											
BMW Oxygen Sensor Replacement, required at intervals of 100,000 mi.	●	●	●	●	●	●	●	●	●	●	●	●	●		
BMW Spark Plug Replacement, required at intervals of _____,000 mi.	60	100	100	60	100	60	100	60	100	60	100	60	60		
BMW Automatic Transmission Service; 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 and rear disc brake pads, check overall thickness. Record results. Examine brake disc surfaces. Clean brake pad contact point in calipers. Grease wheel centering hubs.	●				●	●	●	front only					●		
Check parking brake actuation. Adjust if necessary.	●	●	●	●	●	●	●	●	●	●	●	●	●		
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 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	●			●											
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 and rear disc brake pads, check overall thickness. Record results. Examine brake disc surfaces. Clean brake pad contact points in calipers. Grease wheel centering hubs.	●				●	●	●	front only					●		
Check front control arm bushings for wear.	●	●													

Washer Fluid:		BMW Inspection I (cont'd)							
		M roadster, M Coupe	Z3 2.5, 3.0 roadster/Coupe	325i, 330i	M3	5 Series (excl. M5)	M5	Z8	✓
Coolant		E36		E46		E39		E52	
		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). 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.		●			●		●	●	
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. <b>Note:</b> Coolant must be replaced every __ years (time interval begins from vehicle's production date).		4	4	4	4	4	3	3	
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.				●	●				
<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>									
Check thickness of parking brake linings. Record values.		●						●	
Replace transmission fluid.					●				
Replace differential oil.		●			●				
Check clutch disc for wear.		●							

\*Invoice separately