BMW of North America, LLC
2001 Models (except X5)

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.

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

### TECHNICIAN’S SIGNATURE

| BMW Oxygen Sensor Replacement, required at intervals of 100,000 mi. | £36 | £46 | £39 | £38 | £52 |
| BMW Spark Plug Replacement, required at intervals of _____ mi. | ● ● ● ● ● ● ● ● ● ● |

#### 1200 Mile Service

- 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.

#### BMW Engine Oil Service

- 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. Note: 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.
- 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.
- Check parking brake actuation. Adjust if necessary.
- Reset Service Indicator. Note: Do not reset Service Indicator when additional oil changes (between the normal intervals) are requested by the customer.

#### BMW Inspection I: Undercarriage

- 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.
- 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.
- Check front control arm bushings for wear.

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BMW NA SD92-157 6/01

*Invoice separately

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Customer’s Name

Chassis Number

Indicate # Lights Illuminated in Service Interval Indicator

BMW center

Mileage (on Service Interval Ind.)

Repair Order No.

Mileage (on odometer)
<table>
<thead>
<tr>
<th>BMW Inspection I (cont'd)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Disc Brake Pad</strong></td>
</tr>
<tr>
<td>Thickness (mm): LF LR RF RR</td>
</tr>
<tr>
<td><strong>Freeze Point</strong></td>
</tr>
<tr>
<td>Temperature (°F): Coolant</td>
</tr>
<tr>
<td><strong>Washer</strong></td>
</tr>
<tr>
<td><strong>Parking Brake</strong></td>
</tr>
<tr>
<td>Thickness (mm): LF LR RF RR</td>
</tr>
<tr>
<td><strong>Lining Thickness (mm):</strong></td>
</tr>
</tbody>
</table>

- 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).

**BMW Inspection I: Engine Compartment**

- 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. *Note: Coolant must be replaced every _ years (time interval begins from vehicle's production date).*
- 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. *Note: reduce replacement interval in dusty operating conditions.*
- Reset Service Indicator.

**BMW Inspection I: Body/Electrical Equipment**

- 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 blowing, 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 rollover protection system (if equipped) via diagnostic link. *Note: First remove hardtop/lower top.*

**Final Inspection**

- Road test with check of brakes, suspension, steering, clutch/manual transmission or automatic transmission.

**BMW Inspection II: Includes all items listed under Inspection I, and the following checks and maintenance items:**

**Engine Compartment**

- Replace intake air cleaner element. *Note: Reduce replacement interval in dusty operating conditions.*
- Replace spark plugs.
- Replace IHKA recirculated air filters.

**Undercarriage**

- Check thickness of parking brake linings. Record values.
- Replace transmission fluid.
- Replace differential oil.
- Check clutch disc for wear.