

# BMW of North America, LLC 2006 and later 3 Series (E9x), 1 Series Service Maintenance Substitute Checklist

Condition Based Service (CBS) vehicles: This substitute checklist is to be utilized only when the stored Key Data cannot be accessed through the DCSnet SAM application and Key Reader Tool.



Customer:	Chassis #:
Model:	Odometer Mileage:
Service Advisor	RO# <span style="float: right;">Date:</span>

**Procedure:**

- During repair order write-up, the Service Advisor must review the CBS data displayed in the vehicle to determine the current Service Status and Due-In information (month & year and/or mileage) for each applicable service item listed in Column C.
- Column B: Indicate service items displaying one of the following applicable statuses as: "Recommended" (R), "Due" (D), "Overdue" (OD). Service items with no status: "Not due" (ND).
- Review DCSnet History Inquiry to confirm the current service item status; and check for open Service Actions and/or recalls.

A Nominal Interval	B Service	C Service Items	A Nominal Interval	B Service	C Service Items
at every workshop visit		<u>Standard Scope</u> <ul style="list-style-type: none"> <li>✓ Perform diagnosis quick test</li> <li>✓ Check "check control" messages</li> <li>✓ Check indicator and warning lights</li> <li>✓ Reset CBS Display (per SI B00 07 02 or B00 08 02)</li> </ul>	at every 2nd engine oil change		<u>Vehicle Check</u> <ul style="list-style-type: none"> <li>✓ Operation of horn, headlamp flasher and hazard warning flashers</li> <li>✓ Instrument cluster lighting, heater/AC blower fan</li> <li>✓ Lighting system: turn signals, back-up, license plate, interior, map reading, sun visor, glovebox, luggage area and flashlight</li> <li>✓ Safety belts condition and function</li> <li>✓ Body corrosion</li> <li>✓ Tire inspection (incl. spare, if equipped): table below</li> <li>✓ State of battery charge ("magic eye"), recharge if needed</li> <li>✓ Power steering reservoir fluid level</li> <li>✓ Engine Coolant fluid level and concentration. Record freeze point temperature below</li> <li>✓ SRS airbag units (visual) for torn covers, obvious damage or attachment of stickers</li> <li>✓ Rear-view mirrors function</li> <li>✓ Headlamp washer function</li> <li>✓ Windshield wipers and washers</li> <li>✓ Windshield washer fluid level and concentration</li> <li>✓ Brake system connections and lines: check for leaks, damage and correct positioning</li> <li>✓ Steering components: check play, clearance, leaks, damage and wear</li> <li>✓ Convertible: Lower top, activate automatic roll-over protection system via diagnostic link</li> <li>✓ Underbody (all visible parts): check for damage, leaks, corrosion</li> <li>✓ M3 only: Check expiration date of M-Mobility system sealant bottle</li> <li>✓ Final inspection (test drive): brakes, steering, transmission, shock absorbers (visual)</li> </ul>
M3 only 1200 Miles, then at every 3rd engine oil change		1200 Mile "Running-In" check (M3 only) <ul style="list-style-type: none"> <li>✓ Change engine oil, only Castrol TWS Motorsport 10W-60 Synthetic p/n 07 51 0 009 420</li> <li>✓ Change manual transmission fluid, and clean transmission filter (not applicable to M DCT)</li> <li>✓ Change differential oil</li> </ul>			
12 months		Low-mileage annual engine oil service - Refer to SI B00 04 01			
Gasoline engines: 15,000 mi.  335d: 13,000 mi.		<u>Engine Oil</u> <ul style="list-style-type: none"> <li>✓ Change engine oil. For all but M3 and 335d BMW recommends High Performance 5W-30 Synthetic oil p/n 07 51 0 017 866. M3 use only Castrol TWS Motorsport 10W-60 Synthetic BMW p/n 07 51 0 009 420. 335d use only Castrol SLX Professional OE 5W-30 Synthetic oil p/n 07 51 0 037 195</li> <li>✓ Change engine oil filter.</li> <li>✓ Burnish parking brake pads</li> <li>✓ All exc. M3: At every 3rd engine oil service replace the engine intake air cleaner element</li> <li>✓ M3: Change air cleaner element at every 2nd engine oil service, starting at 16,200 mi.</li> <li>✓ 335d: Change diesel exhaust fluid</li> <li>✓ 335d: Replace fuel filter at every 2nd oil change</li> </ul>			
*		Replace A/C system Microfilter - Each oil service after 1200 mi.			
24 months		Replace Brake Fluid	Fixed		Replace Oxygen Sensor at 120,000mi.
Per State Law		State inspection - safety** CBS Safety Inspection Menu can only be accessed in Control Display or DISplus/GT1	Fixed		Replace Automatic Transmission Fluid at 100,000 mi.
Per State Law		State Inspection - emissions** CBS Emissions Inspection Menu can only be accessed in Control Display or DISplus/GT1		Tire Pressure (psi):	Tire Tread (mm or 1/32)"
Flexible		<u>Front Brake Pads</u> <ul style="list-style-type: none"> <li>✓ Replace brake pads</li> <li>✓ Clean brake pad contact points on calipers</li> <li>✓ Check brake disc surfaces and record thickness† (mm): Left _____ Right _____</li> </ul>		L/F	L/F
				R/F	R/F
				L/R	L/R
				R/R	R/R
					Radiator: Antifreeze protection to _____ °C/F
					BMW coolant is long-term rated with no required replacement interval
Flexible		<u>Rear Brake Pads</u> <ul style="list-style-type: none"> <li>✓ Replace brake pads</li> <li>✓ Clean brake pad contact points on calipers</li> <li>✓ Check brake disc surfaces and record thickness† (mm): Left _____ Right _____</li> <li>✓ Check parking brake condition and function</li> <li>✓ Record parking brake lining thickness† (mm): Left _____ Right _____</li> </ul>			
*		Replace Spark Plugs- N52K engine: 100,000 mi. N54: 45,000 mi. M3: 37,000 mi.			

Authorized BMW Center stamp

Service Representative  
Signature & Date

\* Not shown in CBS as of 2008 \*\* invoice separately if necessary, replace at extra charge, unless covered by the Maintenance Program