

This Service Information bulletin supersedes SI B00 03 12 **dated March 2013.****MODEL**

E82	E88	E89	E92
E93	F01	F02	F06
F07	F10	F12	F13
F30			

SITUATION

Model	Production Start	Comments
640i Gran Coupe	4/12*	All-new model based on the 6 Series Coupe. Utilizes 4 doors with frameless door windows. Available only with the 8-speed automatic transmission.
650i, 650i xDrive Gran Coupe	7/12	V8-engine versions of the 6 Series Gran Coupe. The N63T engine is rated at 443hp and 479 lb.ft torque.
135is Coupe and Convertible	"	N55 tuned for higher output, with Performance Exhaust
3 Series Sedan	"	 xDrive versions added for 328i and 335i. New CBS interval for 328i and 335i from Plant Rosslyn built in July 2013.
550i Gran Turismo	"	N63T engine replaces the N63 engine from the 2012 models. It is rated at 443hp and 479 lb.ft torque.
M5	"	M version of the 5 Series Sedan. S63T engine is shared with the 2012 M6 convertible. M-DCT transmission is standard equipment. A 6-speed manual transmission is optional.
650i Coupe and Convertible	"	N63T engine replaces the N63 engine from the 2012 models. It is rated at 443hp and 479 lb.ft torque.
M6 Coupe	"	M version of the 6 Series Coupe. S63T engine is shared with the 2012 M6 convertible. M-DCT is the only available transmission.
ActiveHybrid 3	"	N55 engine and electric motor. Same powertrain as the 2012 ActiveHybrid 5.
ActiveHybrid 7	"	N55 engine and electric motor. Same powertrain as the 2012 ActiveHybrid 5. Now categorized as a model derivative of the F02 line, superseding the 2012 ActiveHybrid 7 (F04). Available only with rear wheel drive.
7 Series	"	LCI changes. 8-speed automatic provided on all models. All 740i versions get the N55 TwinPower 6-cylinder turbocharged engine, replacing the N54 engine from 2012. The N55 is rated at 315hp and 330 lb.ft torque. All 750i versions receive the N63T engine, rated at 443hp and 479 lb.ft torque.
BMW ALPINA B7	"	The 4.4-liter V8 engine's output is increased from 500 to

		540hp using Valvetronic, different turbochargers and optimized intake tracts. Torque is increased from 516 to 538 lb.ft. A new eight-speed ALPINA automatic transmission is utilized. No changes in maintenance from 2012.
320i, 320i xDrive Sedan	3/13	New models based on the F30. 2-liter 4-cyl. turbocharged N20 engine rated at 181hp and 184 lb.ft. torque.

*availability approx. 2 months later

Note: The 328xi Sports Wagon, originally planned for the 2013 model year, will now be introduced as a 2014 model year.

17-digit Vehicle Identification Number (VIN): The 10th digit (model year identifier) utilizes the letter “D” for MY 2013.

The next generation of Navigation System Professional is provided on the following models, when equipped with Navigation (Nav) system option 609:

- All 7 Series including BMW ALPINA B7 (Nav is standard equipment on all 7 Series)
- 5 Series Sedan including M5 (Nav is standard equipment on the 550i, M5, and ActiveHybrid 5; optional on 528i and 535i versions)
- 5 Series Gran Turismo (Nav is standard equipment on the 550i Gran Turismo; optional on the 535i Gran Turismo)
- ActiveHybrid 3 (Nav is optional)

This new system offers faster processing based on a 1.3GHz (Gigahertz) processor and an improved design. It contains revised graphics, more brilliant colors, and 3-dimensional (3D) elements. Additional function bars are added to the navigation map views.

It also incorporates several notable new features, such as:

- Streamlined radio/media menu structure
- Improved navigation submenu handling
- Quicker Bluetooth pairing, though only functional when the vehicle is stationary
- Advanced Real-Time Traffic Information

Brief summary of new features on the 2013 7 Series:

All 2013 7 Series models receive numerous equipment and design changes as part of the Life Cycle Impulse (LCI):

- Kidney grill design
- 3-section, full width air intake in the front bumper
- Exterior mirrors contain turn signal indicators/repeaters
- Rear bumper design
- Tail lamps
- Redesigned front seats
- Adaptive LED (light emitting diode) headlamps are optional on most 7 Series, and standard equipment on the 760Li.
- Optional Bang & Olufsen High-End Surround Sound System

M5:

Refer to Attachment 3 for a comparison of the 2013 M5 (F10) to the last-generation M5 (E60) from 2010.

135is Coupe and Convertible:

New versions of the 1 Series incorporate numerous changes for increased vehicle performance and sporty appearance.

- Engine output raised to 320hp and 317 lb.ft
- Larger radiator fan
- Performance exhaust
- “135i” badging on trunk lid and interior trim panels
- M Sport Package
- 18” wheels unique to this model
- High-gloss black kidney grill and exterior trim
- Black mirror caps
- Sport seats
- Anthracite-colored headliner
- Exclusive black leather w/ blue stitching (optional)

640i Gran Coupe:

BMW introduces a new addition to the 6 Series line, the 640i Gran Coupe (BMW pronounces this as “coop”). The engineering designation is F06. It combines the stunning proportions, design and driving dynamics of the 6 Series Coupe with interior room and luxurious amenities for up to five passengers. Just like all other 6 Series, the F06 is built in the town of Dingolfing, in Germany’s state of Bavaria.

- N55 TwinPower turbocharged inline 6-cylinder engine with High Precision Direct Injection and VALVETRONIC variable valve timing, shared with the 640i Coupe
- Automatic Start/Stop function
- Multi-link double-wishbone front suspension design instead of MacPherson struts
- 4 doors with pillarless door window glass
- “Gran Coupe” badging on the inner surface of the C-pillars, visible through the door glass
- 8-speed Sport Automatic transmission with center console electronic shifter (“E-Shift”)
- Electric Power Steering (EPS)
- 4th generation iDrive with free-standing 10.2” instrument panel high-definition Central Information Display (CID), standard-equipment Navigation system and Real Time Traffic Information (RTTI)
- Adaptive Xenon headlamps and Rear View Camera
- Electronically actuated parking brake instead of a traditional mechanical “handbrake”
- Driver-oriented cockpit design and control layout
- Optional Adaptive Light Emitting Diode (LED) headlamps
- Optional Bang & Olufsen High-End Surround Sound System
- Optional Lane Departure Warning, Active Blind Spot Detection, High-beam Assistant, Top and Side View cameras
- Optional Parking Assistant supports the driver to safely maneuver into parking spaces situated parallel to the road.

Refer to Attachment 1 for a comparison of selected dimensions of the 2013 640i Gran Coupe to the 2012 640i Coupe and the 2012 535i Sedan.

Quality Certification 1 (QC1):

A new QC1 form has been developed for the 2013 models covered in this bulletin: SD92-434. Refer to Attachment 2.

5 and 7 Series with next-generation Navigation:

- Requires different NAV road map enabling code part numbers than the 2012 models (initial enabling code P/N 65 90 2 310 427; retrofit enabling code P/N 65 90 2 310 616 for replacement units only)
- Different identification code than for the car information computer (CIC); “008A” instead of “002D”

740i and 750i versions:

Driving Dynamics Control with ECO PRO is standard equipment. If you have the console switch set to ECO PRO during the road test portion of the QC1, the engine is decoupled from the drivetrain when coasting at speeds above 30 mph. In coasting mode, the engine freewheels on deceleration with no engine braking effect, thereby reducing fuel consumption.

M6 Coupe:



A front splitter is included with each vehicle, stored in the trunk. This aerodynamic device mounts to the bottom edge of the front bumper (arrows). The splitter was not factory-installed, to avoid possible damage at steep ramps during the transport process to BMW centers. Install the 3-piece splitter to the front bumper using the included fasteners. Installation instructions are also included with the vehicle. The bumper is already pre-drilled for the fasteners.

M5, M6 Coupe, M6 Convertible:

During the Road Test portion of the QC1, as well as any driving up to the first 1200 miles:

- Do not exceed 5500 rpm
- Avoid full-throttle acceleration

Engine warm-up:

While the engine is warming up, it will have a slightly rougher running condition and a higher idle speed than on the 2013 550i and 650i. The exhaust system may also have a slightly “metallic” tone. These characteristics are normal.

3 Series Sedan:

A new front license plate bracket and fasteners are being phased into production in late July 2012. Because the bracket now contains the four holes to mount the license plate, the positioning template used on 2012 3 Series Sedans is no longer required. Refer to [SI B00 03 11](#) for the front bracket installation procedure in states requiring a front license plate.

6 Series Gran Coupe:



Remove the shipping spacers (blue) from the front (shown) and rear suspension.

Quality Certification Inspection (QCI):

Beginning in November 2012, a new checklist will be utilized to prepare a new 2013 BMW for customer delivery. Quality Certification Inspection form SD92-440 contains several new operations for a more effective customer delivery process. These operations have been developed and added based on customer input on 2012 model year BMWs. Refer to Attachment 4.

New operation:	Performed by:	When:
Set “doors lock automatically after start driving” as default	Salesperson	Demonstrate to customer at delivery
Set “clicking unlock on fob opens all doors” as default	Salesperson	Demonstrate to customer at delivery
Set “triple blinker” as default	Salesperson	Demonstrate to customer at

		delivery
How to set the clock	Salesperson	Demonstrate to customer at delivery

The QCI is a substitute for the 2013 Quality Certification checklist SD92-434. Set aside your inventory of SD92-434 and use SD92-440 until March 2013. Then you can resume using SD92-434 through the remainder of the model year. BMW dealer orders submitted for SD92-434 during November 2012 through February 2013 will receive SD92-440 instead.

The 320i Sedan utilizes the same QC1 forms as for all other 3 Series.

	UPDATE! All models: Tire inflation pressure When adjusting and checking tire pressures, be aware of possible tolerances in your tire pressure gauge. It is recommended to add a tolerance adjustment of 1.5 psi to the pressures listed on the tire placard. Caution: Do not exceed the tire's maximum inflation pressure (circled; 50 psi shown) indicated on the sidewall!
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UPDATE! BMW offers a precise tire pressure gauge with a digital readout, available under P/N 82 12 1 467 187.

Maintenance:

UPDATE! 2013 model year 3 Series Sedans built prior to July 2013 utilize a 15,000 mile/24 month engine oil Condition Based Service (CBS) interval. This interval is triggered by the presence of option code 8KC.

UPDATE! All 2013 model year 3 Series Sedans produced only in BMW's Plant Rosslyn, Republic of South Africa in the month of July 2013* incorporate a new basic interval for the engine oil service. The new CBS interval is every 10,000 miles or 12 months, per option code 8KL. Such vehicles can be identified by the letter "N" in the 11th digit of the VIN (corresponds to the first digit of the chassis number):

- 320i, 320i xDrive
- 328i, 328i xDrive (N20 and N26 engines)
- 335i, 335i xDrive

UPDATE! The Key Reader/ISPA Light application will recognize the production month and/or the respective option code, and specify the corresponding interval and its related maintenance operations.

UPDATE! BMW vehicles' CBS computes the actual optimum maintenance requirements based not only upon the accumulated mileage, but also taking into account important factors pertaining to fuel consumption such as high or low engine speeds, short or long-trip driving. Such computations can result in variations from the 10,000 mile interval and correspondingly, when an engine oil service will actually display "Recommended" or "Due." The mileage intervals listed below are for reference only.

UPDATE! CBS counter #	Approx. cumulative miles	Operation (with option code 8KL)
1	10,000	Replace the engine oil and filter.
2	20,000	Replace the engine oil and filter.
		Replace the ventilation microfilter (connected service).
3	30,000	Replace the engine oil and filter.

4	40,000	Replace the engine oil and filter.
		Vehicle check (or at 48 months; non-connected service)
5	50,000	Replace the engine oil and filter.
		Replace the engine air filter (connected service).
6	60,000	Replace the engine oil and filter.
		Replace the spark plugs (connected service).

UPDATE! The brake fluid replacement interval has also been changed. The first fluid change is now scheduled for 3 years after the vehicle's production date. Each subsequent brake fluid change is at 2-year intervals.

UPDATE! ***Note:** 3 Series Sedans built in other factories during July 2013 are considered model year 2014. Those will also receive the new CBS interval. Refer to [SI B00 01 13](#).

ActiveHybrid 3, ActiveHybrid 7: Maintenance is the same as the 2012 ActiveHybrid 5. Refer to [SI B00 03 11](#).

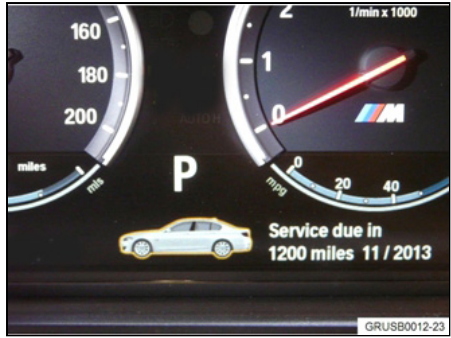
The 135is Coupe and Convertible have the same spark plug replacement interval as the 135i models. The interval is approx. 60,000 miles, coinciding with every 4th engine oil service.

The 740i's N55 engine has a spark plug replacement interval of approx. 60,000 miles, coinciding with every 4th engine oil service. Other N55 maintenance is identical to the 640i Coupe.

M6 Coupe maintenance is the same as for the 2012 M6 Convertible. Refer to [SI B00 03 11](#).

M5, M6 Coupe, M6 Convertible: After performing the 1200 mile running-in service, **reset the vehicle only by performing the test module "Deactivation of pre-delivery inspection."** Do not perform a CBS oil reset with either ISTA or via the instrument cluster (Kombi), because those methods will cause the CBS counter to skip ahead one interval.

M5:

	A new icon appears in the instrument cluster's Condition Based Service (CBS) display. The icon indicates the "Running-In" Service, which must be performed when the vehicle has been driven approx. 1200 miles. At the 1200 mile running-in service, the engine oil and differential fluid are changed. If the M5 is equipped with the optional GS6-53BZ manual transmission, the transmission fluid must be replaced. This does not pertain to the M-DCT.
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The following chart shows the service operations needed at the approximate mileage, linked to the CBS' internal counter. The counter increases by one whenever it is reset after a scheduled service has been performed.

Approx.CBS mileage	Required Service	CBS service counter	Operations to perform, and items to replace
1200	1200 mile service,	1	Engine oil service
	aka "running-in" service		Differential oil
			Manual transmission fluid (does not

			pertain to M-DCT)
16,200	Engine oil service	2	Engine oil service
31,200	Vehicle check	3	Engine oil service
			Engine air filter
46,200	Engine oil service	4	Engine oil service
			Differential oil
			Manual transmission fluid (does not pertain to M-DCT)
61,200	Vehicle check	5	Engine oil service
			Replace spark plugs
76,200	Engine oil service	6	Engine oil service
91,200	Vehicle check	7	Engine oil service
			Engine air filter
			Differential oil
			Manual transmission fluid (does not pertain to M-DCT)

Continue as per 16,200 mi.

* The M5's standard-equipment M-DCT's transmission fluid is long-term rated. It does not need replacement except during system repairs.

Overview of the M5 maintenance consumables:

Component	Name	Quantity Needed	BMW Part Number (always verify current P/N per ATLAS)
S63TU engine oil	BMW High Performance 5W-30 Synthetic	8.9 qts	07 51 0 017 866 (superseded from the P/N 07 51 0 002 545 listed on the underhood oil warning label)
Active M Differential fluid	Castrol SAF-XJ	1.0 liter	83 22 1 470 080
Spark plugs	Bosch ZMR5TPP339	8x	12 12 0 038 832
GS6-53BZ manual transmission fluid	MTF-LT2	2.2 liters incl. oil cooler	83 22 0 309 031

The maintenance schedule for the 640i Gran Coupe is identical to that of the 2012 640i Coupe (F13). Refer to [SI B00 03 11](#).

For more information on other maintenance requirements, refer to:

1 Series	B00 01 07 , B00 04 08 , B00 01 09 , B00 01 10 , B00 03 11
3 Series	B00 01 05 , B00 02 06 , B00 01 07 , B00 04 08 , B00 01 09 , B00 01 10 , B00 03 11
5 Series Sedan	B00 01 10 , B00 03 11
5 Series Gran Turismo	B00 01 09 , B00 01 10 , B00 03 11

6 Series	B00 03 11
7 Series	B00 04 08 , B00 01 09 , B00 01 10 , B00 03 11
Z4 Roadster	B00 04 08 , B00 01 09 , B00 01 10 , B00 03 11

General Notes

2013 Service and Warranty Information booklets:

1 Series, 3 Series (except Sedan),	SD92-422
5 Series (including ActiveHybrid 5, but excl. M5), 6 Series (including Gran Coupe, excluding M6), Z4 Roadster	
M3 Coupe and Convertible	SD92-424
M5 Sedan	SD92-437
M6 Coupe and Convertible	SD92-438
7 Series including ActiveHybrid 7	SD92-425
3 Sedan and ActiveHybrid 3	SD92-426
320i/xDrive Sedan	SD92-447

PARTS INFORMATION

Under separate cover, one pack of the Quality Certification I form for the 2013 BMWs covered in this Bulletin will be sent to each BMW center's Service Manager. Additional copies may be ordered as listed below:

Item	Description	Qty	Price
SD92-434	Quality Certification I form (2013 models)	1 pack	\$4.75
		(= 25 forms)	
SD92-440	Quality Certification Inspection form (2013 all BMW automobiles; use from Nov. 2012 through March 2013)	1 pack	\$4.75
(print date 11/12)		(= 25 forms)	

These items are available online at BMW TIS under Materials Ordering. Refer to bulletin [B10 02 02](#) for instructions on how to place an order.

WARRANTY INFORMATION

Reimbursement of the BMW Pre-Delivery Inspection (Quality Certification 1) on 2013 BMWs is via submission of a warranty claim when the work is completed.

- If the Display and Delivery portions of the inspection are performed separately, individual claims should be submitted when those operations are performed.
- If the entire QC1 delivery inspection is performed at the same time, submit one claim for "Spot Delivery." This is an important difference from the prior process, and claims must not reflect Display and Delivery if only the Spot Delivery was actually performed.
- All BMWs are only eligible for either the Display and Delivery Inspection, or the Spot Delivery Inspection.
- If a BMW center performs the Display Inspection and the vehicle is traded, then the second center may only perform and claim the Delivery Inspection. Check the DCS Vehicle History Report to

determine whether a claim for this work had been submitted by another center.

- If a center receives a vehicle, does nothing to it and then trades it to another center, then the second center may perform the Display and Delivery Inspection or the Spot Delivery Inspection, whichever is relevant. Check the DCS Vehicle History Report to determine if a claim for this work had been submitted by another center.

BMW Company Vehicles

Reimbursement for performing the QCI on BMW company vehicles of any model year for regional employees of BMW of North America must still be requested by submitting a claim through DCS. Use the Spot Delivery codes listed below:

Defect Code:	11 99 99 77 BV
Labor Operation:	00 00 012
Flat Rate Units:	Refer to KSD2

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

Note: BMW company vehicles delivered to field personnel may have already received a full QCI at the VDC which serves your region. This should be evident upon arrival at your center by the following:

- The absence of the usual protective seat and door panel covers
- Transport mode has been deactivated (radio is operational)
- The Monroney label not being affixed to the window, etc.
- VDCs affix a small orange-colored label onto the center console near the transmission selector lever which reads “QC1 already done at VDC!” If this label is found, remove it prior to delivery to the employee.

Please verify that the QC1 has already been performed at a VDC on a specific vehicle by contacting your regional Distribution Manager with the chassis number.

IMPORTANT:

As with all work that is reimbursed by BMW, the repair order, time recording, and record keeping requirements outlined in the Warranty Policy and Procedures Manual must be strictly observed. Quality Certification I payments are subject to audit.

Attachments

1 640i Gran Coupe specs

2 QC1 checklist SD92-434

3 M5 specs

4 QCI checklist SD92-440

ATTACHMENTS

View PDF attachment [B000312 Attachment 1.](#)

View PDF attachment [B000312 Attachment 2.](#)

View PDF attachment [B000312 Attachment 3.](#)

View PDF attachment [B000312 Attachment 4.](#)