



This Service Information bulletin supersedes SI B00 04 10 **dated March 2010**.

MODEL

UPDATE! X3 xDrive28i, xDrive35i (F25*)	X5 xDrive35i, xDrive35d, xDrive50i, X5 M (E70)	X6 xDrive35i, xDrive50i, X6 M (E71)	Active Hybrid X6 (E72)
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SITUATION

Model	Production Start	Comments
UPDATE! X3 xDrive28i,	12/10	Completely redesigned models with the N52TUor N55
UPDATE! X3xDrive35i		6-cylinder engines; successor to the E83
X5 M	4/10	No changes in maintenance from 2010
X5 xDrive35i	“	Replaces the xDrive30i. LCI changes;N55 engine and 8-speed automatic trans.
X5 xDrive35d	“	LCI changes. No changes in maintenance from 2010
X5 xDrive50i	“	Replaces the xDrive48i. LCI changes. N63 engine and 8-speed automatic trans.
X6 M	“	No changes in maintenance from 2010
X6 xDrive35i	“	N55 engine and 8-speed automatic trans.
X6 xDrive50i	“	8-speed automatic trans.
BMWActiveHybrid X6	“	No changes in maintenance from 2010

UPDATE! * The designation “F25” is utilized because all 2-digit numbers for the previous letter “E_” development codes, using numbers from 01 through 99, have been used up. Future new BMW SAVs will have designations using the “F” and numbers greater than “25”.

General Precautions regarding the High-voltage System in the ActiveHybrid X6: Refer to SI B00 07 09.

New features

17-digit Vehicle Identification Number (VIN): The 10th digit (model year identifier) utilizes the letter “B” for MY 2011.

An 8-speed automatic transmission with Steptronic is standard equipment in the X5 xDrive35i (8HP45) and xDrive50i (8HP70), as well as in the corresponding X6 models.

The new 6-cylinder N55 “Twin Power” engine is utilized in the X5 xDrive35i and the X6 xDrive35i. Refer to [SI B00 01 09](#).

Brief summary of new features on the 2011 X5

The 2011 X5 will receive numerous equipment and design changes as part of the Life Cycle Impulse (LCI):

- Front bumper
- Headlamps

- Fog lamp location
- Hood
- Kidney grille
- Tail lamps
- Interior material and trim enhancements
- Active Cruise Control, Active Steering and Lane Departure Warning offered as optional equipment
- N55 engine on xDrive35i
- N63 engine on xDrive50i

For the first time, two additional trim lines will be available based on the X5 xDrive35i, resulting in three models: the X5 xDrive35i, X5 xDrive35i Premium, and X5 xDrive35i Sport Activity.

In all three trim lines of the X5 xDrive35i, the cargo cover has been eliminated. However, it is available as a BMW Accessory which can be purchased by the customer.

A Brake Energy Regeneration (BER) system is fitted to all X5 (except xDrive35d) and all X6 models as part of BMW's EfficientDynamics measures. It incorporates a special deep-cycle Active Glass Mat (AGM) battery with programmed alternator disengagement, so that the vehicle's 12-volt battery is primarily charged while the vehicle is coasting or braking. Over time, BER can save 1-2% on fuel consumption.

X3:

The second-generation X3, engineering designation F25, benefits from a total redesign. In addition to many technical improvements listed below, the passenger interior space has been increased by nearly 5%.

The X3 utilizes the same 6-cylinder gasoline engines N52TU (xDrive28i) and N55 (xDrive35i) as the X5. All 2011 X3s are built in BMW's Spartanburg plant in South Carolina, USA.

Some of the X3's standard features are:

- 8-speed automatic transmission with Steptronic. A manual transmission is not available.
- Electromechanical parking brake
- EPS power assist with Servotronic speed-sensitive power steering
- Run-flat tires alleviate the need for a spare tire
- LED tail lamps with Adaptive Brake Lamp feature
- iDrive with a 6.5" display screen. Optional Navigation system has an 8.8" screen.
- Bluetooth
- Privacy glass
- Keyless start, using a remote key fob similar to the E70.
- Condition Based Service
- Smoother ride and increased handling agility, using a double-pivot strut front suspension, a 5-link rear suspension derived from the 3 Series xDrive sedan (E90) and an approx. 3" wider track.
- Enhanced DSC which includes Dynamic Traction Control, Brake Fade Compensation, Brake Standby, Brake Drying, and Start-off Assistant.
- Brake energy regeneration: A small segment at the lower right portion of the tachometer illuminates during battery recharging, which takes place when the vehicle is coasting.
- Performance Control (PC), part of the optional Dynamic Handling Package, helps the X3 maintain a neutral handling character by adjusting the xDrive torque split to 20% front/80% rear in steady state cornering. PC can also apply the inside rear brake while also applying slightly more power to the outside wheel (compensating for the additional drag of the brake) in order to help stabilize the vehicle.

Selected dimensional and specification comparison between the new 2011 X3 xDrive28i (F25) and the 2010 X3 xDrive30i (E83) with standard-equipment manual transmission:

	2011 X3 xDrive28i (F25)	2010 X3 xDrive30i (E83)
Overall length, in.	183.0	179.9
Overall width (not including mirrors), in.	74.1	73.0
Overall height, in.	65.4	65.0

Wheelbase, in.	110.6	110.1
Weight, lb.	4112	4012 (4068 with optional auto. trans.)
Weight distribution, % front/rear	49.9/50.1	49.2/50.8
Front track, in.	63.6	60.0
Rear track, in.	64.3	60.7
Trunk volume, rear seatbacks up/down cu.ft.	27.6 – 63.6	29.8 - 71.0
Max. front headroom, in.	40.7	39.3
Max. rear headroom, in.	39.1	39.4
Max. front legroom, in.	39.9	40.2
Max. rear legroom, in.	36.8	35.8
Front shoulder room, in.	57.3	55.6
Rear shoulder room, in.	56	55.0
Standard equipment transmission	8-speed automatic 8HP45 (manual trans. not available)	6-speed manual
Fuel tank total capacity, gal.	17.7	17.7
Aerodynamic drag coefficient	0.35	0.35
Acceleration 0-60mph, sec.	6.7	7.1 (with optional auto. trans.)
Brake discs, dia. (inches) front/rear	12.9/13.0, ventilated	12.8/12.6, ventilated

QUALITY CERTIFICATION I (QC)

UPDATE! **All models:** New QC1 forms have been developed for all 2011 SAVs: SD92-402, which also pertains to the ActiveHybrid X6. The X3 has been added to the form with print date 12/10. A copy of this form is attached to this SI. Refer to the Parts Information section of this bulletin for ordering information.

All models:

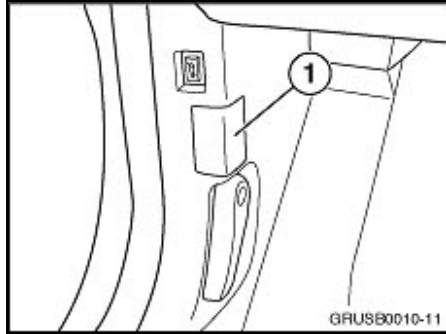
- Vehicles equipped with Navigation (option 609): ISTA (Integrated Service Technical Application) will prompt the technician to activate the Navigation map, which requires obtaining an enabling code. This occurs during the CBS handover inspection. Refer to [SI B65 30 09](#) and [B09 04 09](#).

UPDATE! **New features as of 10/10 vehicle production which affect Quality Certification 1 (QC1):**

BMW Assist with extended Bluetooth - Depending on the mobile device, additional features include Mobile Office, External Call Lists, and Bluetooth Music Streaming.

All models with the option iPod/USB Adapter (6FL) - As of 10/10 vehicle production, the Y-cable is no longer included with the vehicle. This is because the iPod's original USB cable will now work directly.

X3: QC1 operations are nearly the same as for the X5.
The only exception is to attach the cover (1) for the Onboard Diagnostics (OBD) socket to the driver's footwell A-pillar. The cover is contained in



the vehicle “by-pack”, which is the same bag containing the owner’s manual, license plate hardware, etc.

SERVICE MAINTENANCE

UPDATE! All models: With the 5/10 version of KSD2, the engine air filter replacement interval has been lengthened to every 3rd engine oil service or approx. 45,000 miles (X5 xDrive35d: approx. 39,000 miles). This change is retroactive to the start of the 2011 model year.

UPDATE! X5 xDrive35d: With the 5/10 version of KSD2, the fuel filter replacement interval has been extended to every 3rd engine oil service, or approx. 39,000 miles. This change is retroactive to the start of the 2011 model year.

UPDATE! X5 xDrive35d: With the 10/10 version of KSD2, Diesel Exhaust Fluid (DEF) can be topped up at the Engine Oil Service. The DEF remaining in the reservoir no longer needs to be drained out beforehand. Refer to [SI B16 01 09](#).

UPDATE! X3: The X3 utilizes Condition Based Service (CBS) which no longer requires a pre-printed, conventional Service Maintenance Checklist. Refer to SI B00 05 06.

Spark Plug Replacement Intervals

2011 Model	Engine	Interval (miles); coincides with every _ engine oil change
UPDATE! X3 xDrive28i	N52TU	60,000; 4th
UPDATE! X3 xDrive35i, X5 xDrive35i, X6 xDrive35i	N55	60,000; 4th
X5 xDrive50i, X6 xDrive50i, ActiveHybrid X6	N63	60,000; 4th
X5 M, X6 M	S63	30,000; 2nd
X5 xDrive35d	M57	Not applicable

Automatic transmission fluid no longer needs to be replaced at 100,000 miles. It has a lifetime rating. This service will also be removed from the Condition-Based Service (CBS) checklists generated by the Service Advisory Module (SAM).

Engine oil:

All gasoline engines including the X5 M and X6 M: BMW recommends BMW High Performance 5W-30 Synthetic Oil, p/n 07 51 0 017 866.

X5 diesel: BMW High Performance 5W-30 Diesel Synthetic Oil, p/n 07 51 0 037 195.

General Notes

Service and Warranty Information booklet:

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UPDATE! X3 xDrive28i, X3 xDrive35i; X5 xDrive35i, X5 xDrive35d, X5 xDrive50i, X6 xDrive35i, X6 xDrive50i, ActiveHybrid X6	SD92-399

PARTS INFORMATION

Under separate cover, one pack of the QC1 form and the Service Maintenance Checklist for the 2011 BMW SAVs will be sent to each SAV center's Service Manager. Additional copies of the checklists for 2011 model SAVs may be ordered as listed below.

Item	Description	Qty	Price
SD92-402	Quality Certification 1 forms (all 2011 SAVs)	1 pack	\$4.50
(print date 12/10 contains the F25)		(=25 forms)	

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

WARRANTY INFORMATION

Reimbursement of the BMW Pre-Delivery Inspection (Quality Certification 1) on 2011 SAVs 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 SAVs are only eligible for either the Display and Delivery Inspection, or the Spot Delivery Inspection.
- If a BMW SAV center performs the Display Inspection and the vehicle is traded, then the second center may only perform and claim the Delivery Inspection. Check Centernet to determine whether a claim for this work had been submitted by another SAV center.
- If a BMW SAV 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 SAV center.

BMW X3, X5 or X6 Company Vehicles

Reimbursement for performing the QCI on 2011 BMW X3, X5 or X6 company vehicles for regional employees of BMW of North America must still be requested by submitting a claim through DCS, using the Spot Delivery codes as listed below:

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

Note: X3, X5 and X6 company vehicles may receive the QCI at the factory in Spartanburg, SC. This should be evident upon arrival at your center by the following:

- The absence of the usual protective seat and door panel covers, and the battery main-disconnect cable
- The service windshield wipers already having been installed
- The Monroney label not being affixed to the window, etc.

Please verify that the QC1 has already been performed 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

View PDF attachment [SD92-402 12-10](#).