



SI M11 12 16
Engine

September 2016
Technical Service

Service Action: B46 and B48 Engines – Check and Replace Crankshaft Guide Bearing

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

MODEL

F55 (Cooper S Hardtop 4 Door)	F56 (Cooper S Hardtop 2 door)	F56 (Copper S JCW Hardtop 2 door)
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SITUATION

The upper crankshaft guide bearing may wear out prematurely. The wear on the guide bearing can cause the clutch pedal to malfunction during shifting.

The Engine Malfunction Warning may be illuminated and a fault will be stored in the DME memory for the crankshaft sensor.

Noise may be heard from the lower engine and transmission bell housing area and engine damage can occur in rare occasions.

AFFECTED VEHICLES

This Service Action involves F55 and F56 vehicles produced June 2014 to May 2015.

Vehicles which require this Service Action to be completed will show it as "Open" when checked either in AIR, the "Service Menu" of DCSnet (Dealer Communication System) or with the Key Reader.

PROCEDURE

1. If the vehicle that you are repairing is one of the vehicle VIN numbers shown below then email your request to specialpartsrequest@bmwna.com. The subject line should be M111216, include your Dealer Location Code, VIN number and contact information. Once received, the appropriate bearing kit part number for the vehicle will be shipped to your dealer. Once the part is received then proceed to step 3. Do not disassemble the vehicle until the part is received.

If the vehicle is not one of these VIN numbers then proceed to step # 2.

PCG TTS case required:

2A60669

2A59985

2A60735

2A60805

2A60926

2B61778

2B61990

2B62029

2. Refer the attached VIN list for the identification and ordering instructions. Once the proper part number is identified and it is in stock at your dealer then you may start the repair procedure. Do not disassemble the vehicle until the repair parts are received.
3. Refer to the attached repair procedure for checking and replacing the crankshaft guide bearing.

Or

If the crankshaft guide bearing or crankshaft is found damaged during the inspection then the engine must be replaced and the engine replacement requires TeileClearing authorization.

The TC case description must contain the following information:

- Describe the condition of engine oil and engine oil filter.
- Attach photos of the engine oil filter, damaged crankshaft bearing and crankshaft bearing surfaces.

PARTS INFORMATION

All Service Action parts are non-returnable. With the limited amount of vehicles involved, please verify the failure prior to ordering parts.

It is critical that you limit your orders to vehicles that are at your dealer now or are scheduled for repairs within the next few days.

Order bearing repair kits only after using the attached VIN list.

Part Number	Description	Quantity
11 21 8 669 013	Guide Bearing Repair Kit D50 (blue/green)	1

Or

Part Number	Description	Quantity
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11 21 8 669 014	Guide Bearing Repair Kit D50(green/blue)	1
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Or

Part Number	Description	Quantity
11 21 8 669 015	Guide Bearing Repair Kit D50(green/green)	1

Or

Part Number	Description	Quantity
11 21 8 669 016	Guide Bearing Repair Kit D50(green/brown)	1

And the following:

Part Number	Description	Quantity
11 11 8 604 584	Main bearing bolts	2
11 41 8 612 615	Oil Deflector Bolts	10
11 42 8 570 590	Oil Filter Element	1

And:

Sublet – Bulk Materials

Part Number	Description	Quantity
83 19 0 404 517	Loctite 5970 Liquid Sealant (50ml)	As needed
83 21 2 365 955	Engine Oil (0W-20)	5.25 liters

WARRANTY INFORMATION

Defect Code:	0011310400
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No repair is necessary

Labor Operation:	Labor Allowance:	Description:
00 64 148	1 FRU	Issue already addressed through another repair as noted below, no repair is necessary (Main work)

Affected vehicles which had a new or remanufactured engine (with cylinder head) assembly installed on or after June 1, 2015, the replacement part is Service Action compliant, no further repair is necessary.

Or, when the:

Crankshaft Guide Bearing is not Damaged

Labor Operation:	Labor Allowance:	Description:
00 64 149	42 FRU	Check and replace the engine guide bearings (Main work)

Or, when the:

Crankshaft Guide Bearing is Damaged

Labor Operation:	Labor Allowance:	Description:
00 64 150	207 FRU	Check the engine guide bearings, replace the engine, program and encode control units (includes connecting an approved battery charger/power supply and performing a vehicle test) (Main work)

And:

Sublet – Bulk Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for the repair-related bulk materials (Please do not use the MINI part numbers for claim submission)
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Sublet reimbursement calculation for claiming the “used quantities” of repair-related bulk materials (MINI part numbers) is at dealer net plus your center’s handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.

Overlapping Labor – Associated and/or Other Repairs

If invoicing KSD2 flat rate labor operation codes for other repair work results in overlapping labor, invoice work time (WT) labor operation 00 50 000 instead for the additional labor time needed (FRUs minus the overlapping labor).

On the repair order and in the claim comment section, please identify the labor operations that labor operation code 00 50 000 replaces and itemize the claimed FRU amount.

Work time labor operation code 00 50 000 is not considered a Main labor operation.

When work time labor operation 00 50 000 is used for work that will be claimed under different defect codes, separate punch time(s) are required.

Vehicle Programming and Coding (when Labor Operation 00 64 150 Applies)

Control module failures that occur during programming:

- Please claim these consequential repairs under the defect code listed in this bulletin and use the applicable KSD2 labor operations.

Other Repairs

Control module failures that occur prior to programming:

- When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations in KSD2.

ATTACHMENTS

View PDF attachment [M111216 Procedure](#).

View PDF attachment [B111216 Vin List 8.22.2016](#).

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