



SI M11 02 16  
Engine

February 2016  
Technical Service

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This Service Information bulletin supersedes SI M11 02 16 **dated February 2016**.

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.

#### **SUBJECT**

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

#### **MODEL**

F55 (Cooper S Hardtop 4 Door)

F56 (Cooper S Hardtop 2 door)

#### **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**

**NEW** This Service Action involves “382” F55 and F56 vehicles produced from February 2014 to December 2014.

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

#### **UNAFFECTED VEHICLES**

Vehicles which had a complete new or remanufactured engine assembly previously replaced on or after June 1, 2015, have installed parts that meet the requirements of this Service Action. No further repair is necessary.

Refer to the Warranty Information section of this document and use Labor Operation 00 63 922.

#### **PROCEDURE**

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.**

**NEW** 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.

**The parts and procedure described in this bulletin affects 382 vehicles.**

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

#### Sublet – Bulk Materials

Part Number	Description	Quantity
83 19 0 404 517	Loctite 5917 Liquid Sealant (50ml)	As needed
83 21 2 365 955	Engine Oil (0W-20)	5.25 liters

#### WARRANTY INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the following information:

<b>Defect Code:</b>	<b>00 11 97 03 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 63 922	1 FRU	Issue already addressed through another repair as noted below, no repair is necessary (Plus 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

Labor Operation:	Labor Allowance:	Description:
00 63 290	42 FRU	Check and replace the engine guide bearings (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.

#### Alternate Repair for Bearing Damage

If other work and parts are needed as a result of the issue described in this bulletin, in place of the parts and labor operations listed above, claim this other work using the applicable KSD2 labor operations (11 00 091 or 11 00 591, 11 99 000 and 00 50 000) under the defect code listed above.

#### Overlapping Labor – Associated and/or Other Repairs

If invoicing KSD2 flat rate labor operation codes for the additional repair work results in overlapping labor being claimed, invoice work time labor operation 00 50 000 for the additional time (FRU) minus the overlap instead.

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.

**Associated Repairs:** When work time labor operation 00 50 000 is used as an extension of the repair outlined in this bulletin, a separate defect code and punch time(s) are not required.

**Other Repairs:** 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.

#### ATTACHMENTS

View PDF attachment [M110216 Procedure](#).