



GROANING NOISE WITH CLUTCH OPERATION

MODEL

F54 (Cooper S Clubman)	F55 (Cooper, Cooper S Hardtop 4 door)	F56 (Cooper, Cooper S Hardtop 2 door)	F57 (Cooper, Cooper S Convertible)
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SITUATION

Clutch operation may exhibit the following characteristics:

- produces a groaning noise, especially when engine is at operating temperature, during stop-and-go travel.
- noise comes from transmission housing.
- noise can be heard in the interior and exterior of the vehicle.

CAUSE

Friction between clutch slave cylinder piston rod end and ball socket (thrust piece).

CORRECTION

Lubricate the piston rod end and thrust piece on the clutch slave cylinder.

PROCEDURE

For conditions that are similar to the situation described:

1. Remove the clutch slave cylinder according to the REP 2152010 "Remove and install or replace clutch slave cylinder".



Note: Take care to:

- not detach cable
- not bend clutch line

2. Carefully unfasten dust boot of the clutch slave cylinder from the thrust piece of clutch slave cylinder (do not use sharp-tipped tools).



3. Disassemble thrust piece of the clutch slave cylinder from the piston rod of the clutch slave cylinder.



Attention: Do not bend the piston rod of the clutch slave cylinder.



4. Clean the surfaces free of dirt.



5. Grease the socket for the piston rod end, in the thrust piece, with lubricant specified below.

6. Assemble in reverse order.

PARTS INFORMATION

Part Number	Description	Quantity
11 00 7 660 831	Lubricant 46 MR 401 (60g)	As needed
Or:		
83 23 9 416 138	Grease Unirex S 2 (40g Tube)	As needed
Add PN	Brake Fluid	As needed

WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty.

Defect Code:	2152023900	
Labor Operation:	Labor Allowance:	Description:
21 52 010	Refer to KSD2	Removing and installing or replacing clutch slave cylinder (includes bleeding clutch) (Main work)
Or:		
21 52 610	Refer to KSD2	Removing and installing or replacing clutch slave cylinder (includes bleeding clutch) (Plus work – Vehicle already in the workshop)
And:		
21 99 000	2 FRU	Work time to grease the socket for the piston rod end in the thrust piece

Work time labor operation code 21 99 000 is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

And:

Sublet – Bulk Materials

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

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

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