

**SB-10044037-8778**SI M11 03 11  
EngineApril 2012  
Technical Service

This Service Information bulletin supersedes SI M11 03 11 **dated March 2012**.

**NEW** designates changes to this revision

**SUBJECT****Engine Oil Leak and Timing Chain Tensioner Resealing or Replacement Procedures****MODEL**

R55 (Cooper Clubman and Cooper Clubman S) with N12, N14, N16 and N18 engines produced up to 11/2011

R56 (Cooper and Cooper S) with N12, N14, N16 and N18 engine produced up 11/2011

R57 (Cooper and Cooper S convertible) with N12, N14, N16 and N18 engine produced up to 11/2011

R60 (Countryman and Countryman S) with N16 and N18 engine produced up 11/2011

**SITUATION**

- The customer complains of an engine oil leak from the engine compartment. When diagnosed, the engine oil leak is identified at the timing chain tensioner. In some cases, the timing chain tensioner is only hand-tight.

or

- The timing chain tensioner is being removed and installed or replaced for the condition described in [M11 02 07](#) "Rattle Noise from Engine".

**CAUSE**

The timing chain tensioner seal ring material hardness is too soft, resulting in lost tension during the timing chain tensioner tightening sequence.

**PROCEDURE**

1. **NEW** If the engine oil leak is coming from the timing chain tensioner, remove the timing chain tensioner and replace the seal ring using P/N 11 31 7 631 972.

**Do not** replace the timing chain tensioner.

2. If the chain tensioner is being removed during any other repairs, be sure to only install the new chain tensioner seal ring P/N 11 31 7 631 972.
3. If the engine is receiving a new timing chain tensioner, discard the seal ring that is supplied with the timing chain tensioner in the box, and substitute it with the new seal ring P/N 11 31 7 631 972.

Refer to REP 11 31 090, Removing and installing or replacing chain tensioner piston.

## PARTS INFORMATION

Part Number	Description	Quantity
11 31 7 631 972	Chain Tensioner Seal Ring	1

## WARRANTY INFORMATION

### Procedure 1

Procedure 1 is covered under the terms of the MINI New Passenger Car Limited Warranty or the MINI NEXT Certified Pre-Owned Limited Warranty.

**Defect Code:** 11 31 04 48 00

Labor Operation:	Labor Allowance:	Description:
11 31 090	Refer to KSD2	Removing and installing or replacing the piston for timing chain tensioner
11 99 000	1 FRU	Work time (WT) for visually inspecting the timing chain tensioner - vehicle already in the workshop.

Labor operation code 11 31 090 is a Main labor operation. If you are using a Main labor code for another repair; use the Plus code labor operation 11 31 590 instead.

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.

Even though work time labor operation code 11 99 000 ends in "000"; as described above, it is not considered a Main labor operation.

### Procedures 2 and 3

Invoice and use the new seal ring P/N 11 31 7 631 972 as outlined. If the repair being performed is eligible to be submitted under an applicable MINI limited warranty, claim the seal ring part number with that repair.

### Other Repairs

If visual inspection results with other **eligible and covered work**, claim this work with the applicable defect code and labor operations listed in KSD2