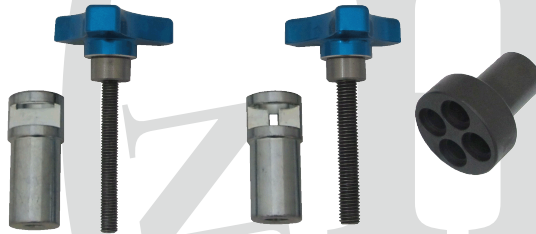
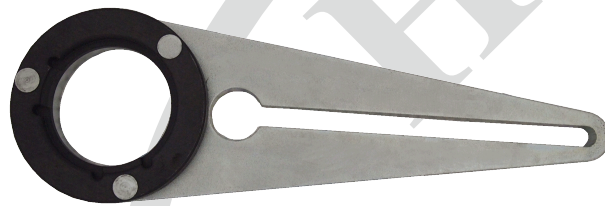


# ET1540A

## BMW (N47/N57) VIBRATOR DAMPER LOCKING REMOVAL AND INSTALLATION TOOL KIT



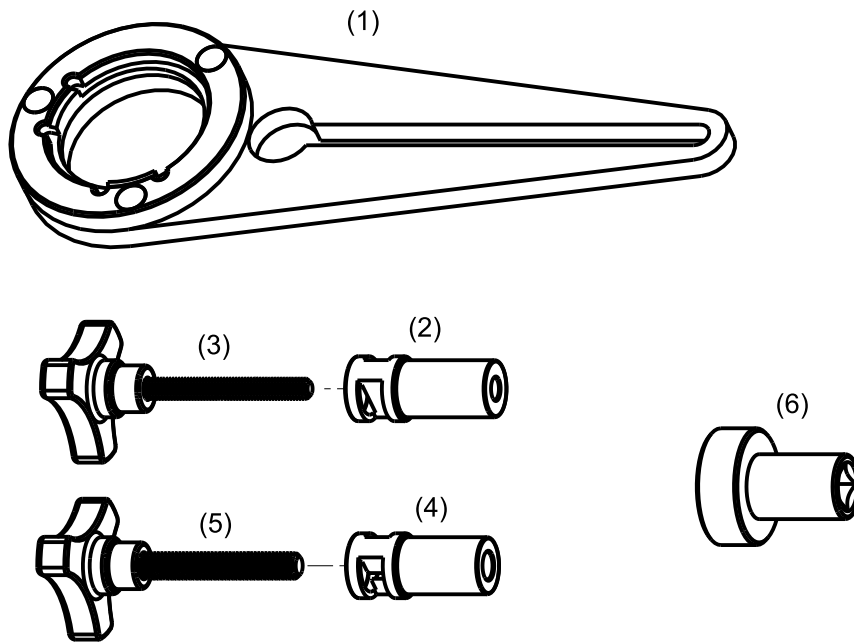
**IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY.**

※ Warning! Ensure Health and Safety, local authority and general work shop practice regulations are adhered to when using tools.

※ DO NOT use tool if damaged.

※ Maintain tool in good and clean condition for best and safest performance.

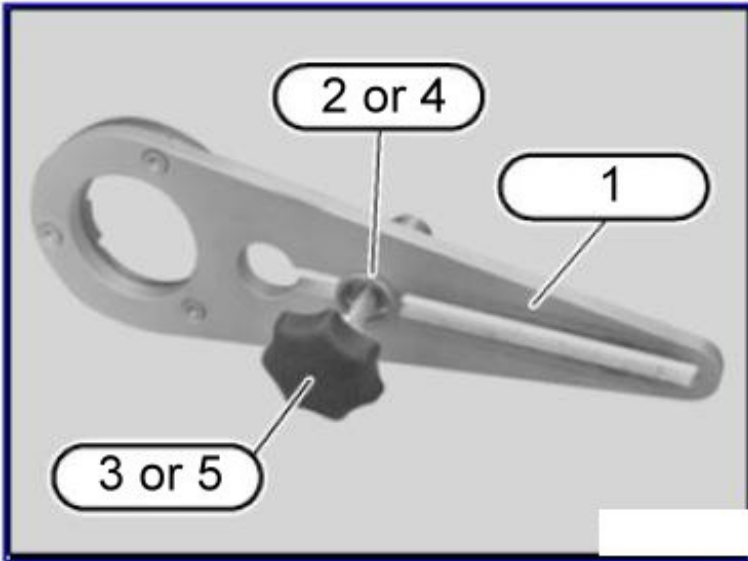
※ WARNING! The warnings, caution and instructions referred to in this manual cannot cover all possible conditions and situations that may occur. It must be understood that common sense and caution are factors which cannot be built into this product, but must be applied by the operator.



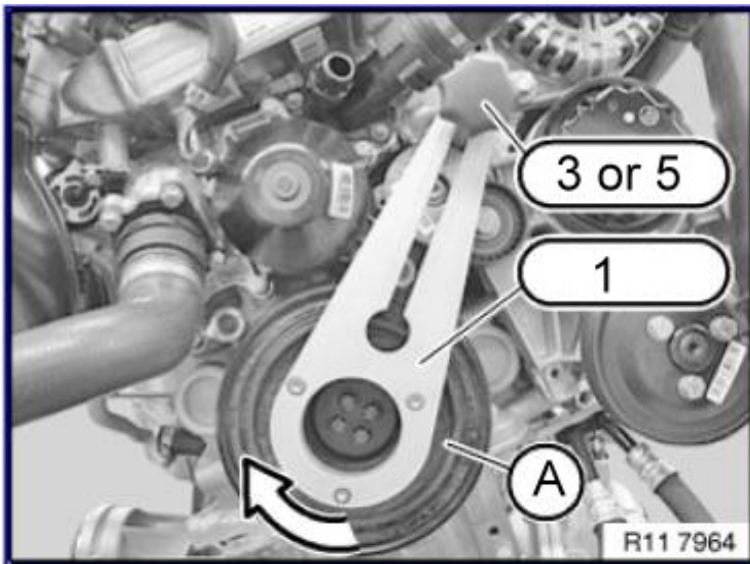
No.	Description	Size	OEM no.
1	Pulley fixed seat	L295xW95xH20	117 221
2	Pulley fixed Hose 1	D:Ø25x58	117 222
3	Pulley fixed Screw1	M8xP1.25x67L	117 223
4	Pulley fixed Hose2	D:Ø25x54.5	117 222
5	Pulley fixed Screw2	M10xP1.5x65L	117 223
6	Remover Socket		116 480

#### Necessary preliminary work

- ※ Remove acoustic cover
- ※ Remove acoustic cover at front for belt drive, only F10,F11.
- ※ Remove drive belt for alternator.

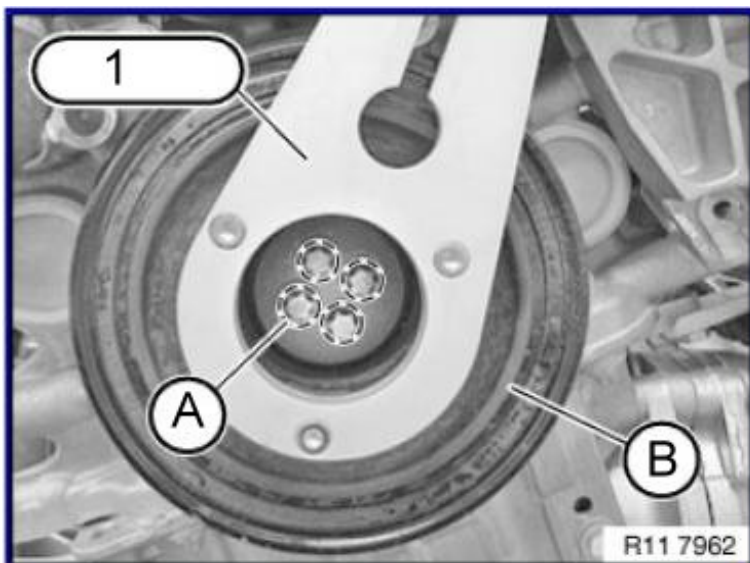


Screw A1540-1 with special tool A1540-5 into receptacle of the guide pulley.



**Note:**

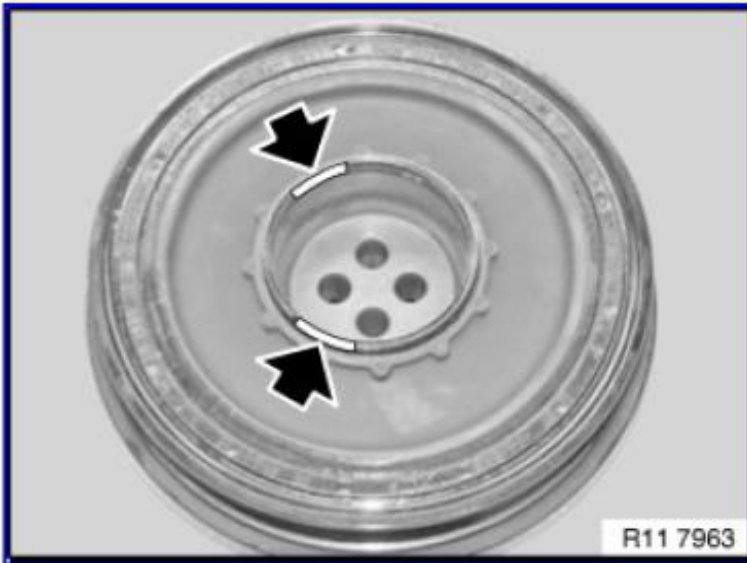
Use A1540-1 to turn the vibration damper in the direction of travel until the A1540-6 audibly clicks into place on the vibration damper. Secure A1540-1 vibration damper (A).



Loosen bolts (A) on the vibration absorber (B).

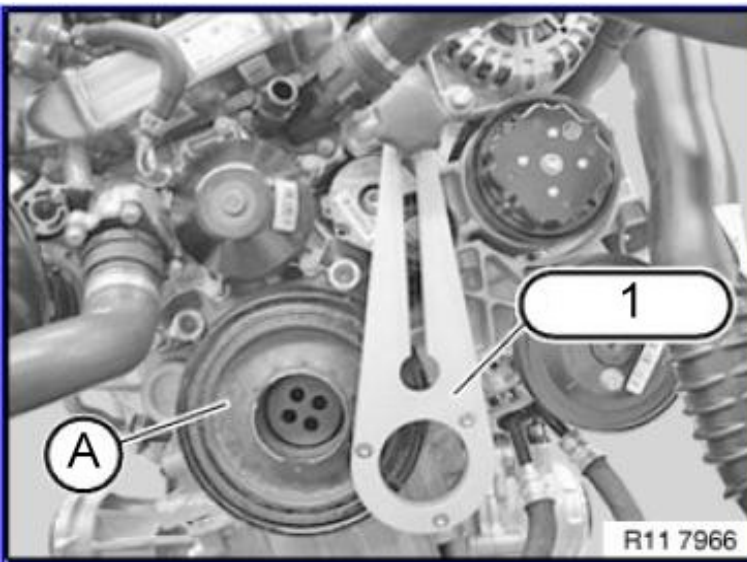
**Installation note:**

Replace radial shaft seal at front.



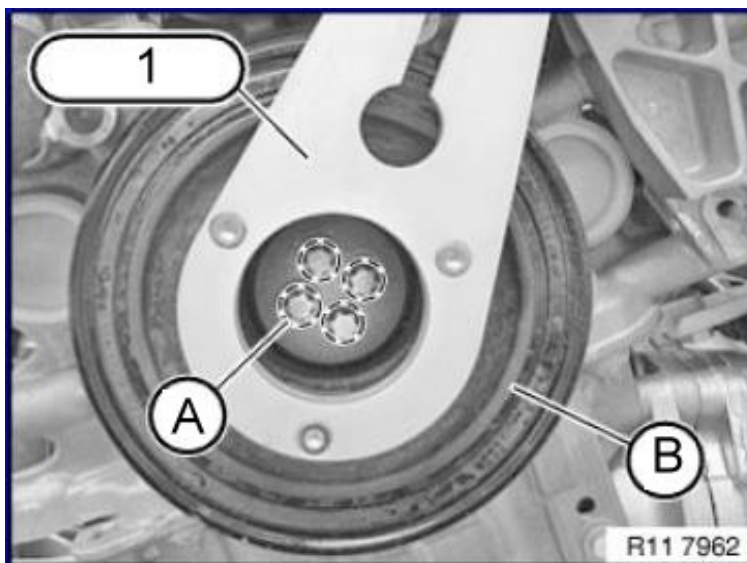
**Installation note:**

Position vibration damper as illustrated when refitting.



**Installation note:**

Secure the special tool A1540-1 again in the area of the vibration damper to tighten the screws. Tighten screws crosswise.



Loose bolts (A) on vibration damper (B). Remove special tool A1540-1 in the area of the vibration damper (A). Remove vibration damper.