

# LASER<sup>®</sup>

Part No. 6588

## Vibration Damper Brace

BMW & MINI

### Instructions



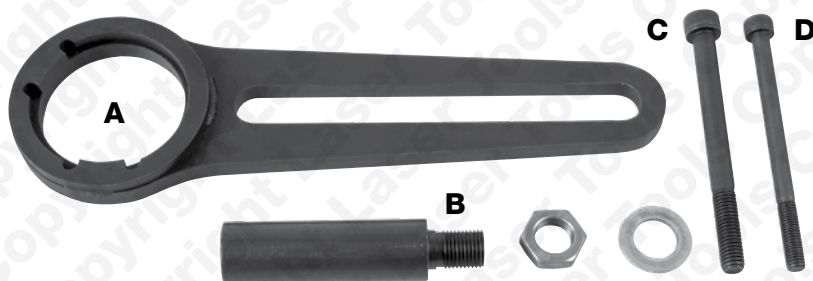
 <sup>®</sup> MADE IN  
SHEFFIELD

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## Introduction

- Designed to hold the crankshaft pulley stationary while loosening or tightening the center bolts on the crankshaft. This is necessary to prevent damage to the vibration dampening element (the rubber ring) that separates the outer and inner portions of the pulley fitted to the BMW and Mini N47 and N57 engines.
- The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufactures own data or Autodata.
- The use of these engine timing tools is the user's responsibility and Tool Connection cannot be held liable for any damage caused what so ever.

## Components

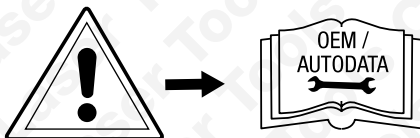


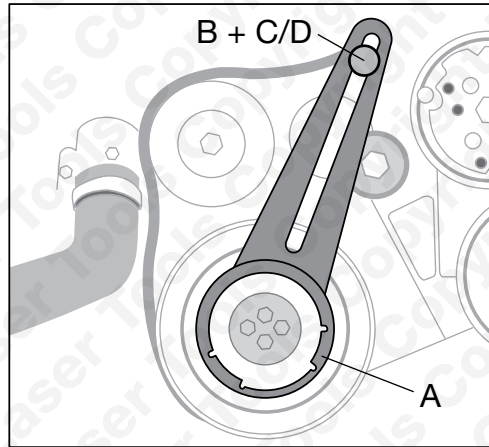
Ref	Code	OEM Number	Description
A	C742	11 7 221	Brace
B	C743	11 7 222/4	Threaded Boss/with nut and washer
C		11 7 225	M10 x 110mm Capscrew
D		11 7 223	M8 x 110mm Capscrew

## Instructions

The following instructions are for guidance only. Please refer to OEM derived data such as the vehicles manufacturers own data or Autodata.

The use of this tool is purely down to the user's discretion and The Tool Connection Ltd. cannot be held responsible for any damage caused what so ever.





## Applications

Make, Model, Year			Engine Codes
<b>BMW</b>	1 Series	2007 - 2015	<b>1,6</b>
	2 Series Coupe	2014 - 2016	N47 C16A
	3 Series	2007 - 2019	N47 D16
	3 Series Gran Turismo	2013 - on	N47 D16C
	4 Series Coupe	2013 - on	<b>2,0</b>
	4 Series Cabriolet, Gran Coupe	2014 - on	N47 C20A
	5 Series	2007 - 2017	N47 D20A
	5 Series Gran Turismo	2009 - 2017	N47 D20B
	6 Series	2011 - 2018	N47 D20C
	6 Series Gran Coupe	2012 - 2018	N47 D20D
	7 Series	2008 - 2015	N57 D30A
	X1	2009 - 2015	N57 D30B
	X3	2007 - 2017	N57 D30C
	X4	2014 - 2018	
	X5	2010 - 2018	
	X6	2010 - 2019	
<b>MINI</b>	Clubman/Clubvan	2010 - 2014	
	Mini	2010 - 2015	
	Coupe	2011 - 2015	
	Roadster	2012 - 2015	
	Countryman	2010 - 2017	
	Paceman	2013 - 2017	



## Safety First. Be Protected.

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



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When you have finished with this bottle please recycle it

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### Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: +44 (0) 1926 818186. Normal wear and tear are excluded as are consumable items and abuse.

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