



# PRODUCT SHEET

ARTICLE NUMBER: GAT5220A

DESCRIPTION: 1.6L Petrol Chain Engine Setting and Locking Tool Kit

## INTRODUCTION

**GAT5220A** engine setting and locking timing tool kit is used for the 1.6L 4-cylinder, direct injection, twin camshaft chain driven petrol engines on BMW and MINI models.

This tool kit includes the camshaft alignment setting, flywheel locking and pre-tensioner load tools to ensure the correct timing and set the camshaft and crankshaft position on these twin camshaft engines.

The universal handle **GAT4939** can be installed on the crankshaft hub holding tool **GAT5018** and secured with a retaining screw for easy use and long reach access. **GAT5018** ensures a proper method of counter-holding the hub for removal and reinstalling of the central bolt. **GAT5219** is used instead of the engine mounting bracket to support the engine applicable for Mini models.

For timing chain condition assessment, **GAT5313** Timing Chain Wear Indicator can be used to quickly diagnose chain elongation without extensive engine disassembly.

**IMPORTANT:** Always ensure when working on the engine that the crankshaft is turned in the correct direction and the locking pin is correctly located in the timing hole.

## CONTENT

CONTENT	ITEM	ARTICLE NUMBER	DESCRIPTION	OE REFERENCE
1	7468-11366	GAT5221	Camshaft Setting Alignment Tool	11 7 440 / 0197-A
2	7468-11266	GAT5021	Flywheel Locking Pin	11 9 590 / 0 496 709 / 2 299 362 / 0197-B / 0197-BZ / 0197-N / EN-52127-2 / EN-52588
3	7468-11367	GAT5021A	Flywheel Locking Pin	
4	7468-11368	GAT4803	Chain Tensioner Pre-load Tool	11 9 340 / 0197-M

## APPLICATION INFO

Please check Navigates for the most up to date application data.

BMW: 1.6L, N13 engines

MINI: 1.6L, N18 engines



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## KIT CONTENT IMAGE





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## Associated Tools



7468-11253 – GAT4939 – Universal Handle for Crankshaft Pulley Holding Tool



7468-11319 – GAT5018 – Crankshaft Hub Holding Tool



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7468-11331 – GAT5219 – Chain Engine Support Bracket



7468-11337 – GAT5313 – Timing Chain Wear Indicator