

# BMW

## Petrol Engine Twin Camshaft Setting & Locking Set



### 9AT1008E

- The set includes timing and VANOS setting / locking tools
- Suitable for BMW petrol 1.8 and 2.0 N42 / N46 (chain) engine
- Use to check / adjust engine timing and remove, install or align VANOS unit

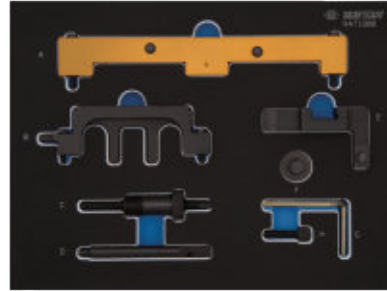
8  
PC.



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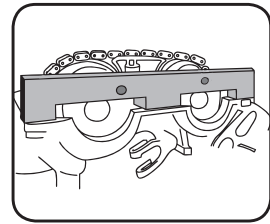
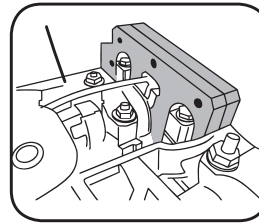
118i. E87 (04-08)  
120i. E87 (04-08)  
316i. E46 (01-05)  
316ti. Compact E46 (01-05)  
318i. E46 (01-07)  
MODEL: 318ti. Compact E46 (01-05)  
318i. E90 (05-08)  
X3. 2.0i E83 (05-08)  
Z4. 2.0i E85 (04-08)  
520i. E60 (04-08)  
320i. E90 (05-08)

ENGINE **N42 / N46**  
CODE: B18, B18A, B20, B20A, B20B



#### CONTENTS :

- A - VANOS alignment plate
- B - camshaft setting plate (exhaust)
- C - timing chain tensioner pre-load tool
- D - crankshaft alignment pin
- E - camshaft setting plate (inlet)
- F - camshaft turning tool
- G - flywheel TDC locking pin
- H - camshaft setting plate securing screw



# BMW

## Petrol Engine Twin Camshaft Setting & Locking Set



### 9AT1018E

- The set includes camshaft / carrier bracket remover & installer tools
- Suitable for BMW petrol 1.8 and 2.0 N42 / N46 (chain) engine

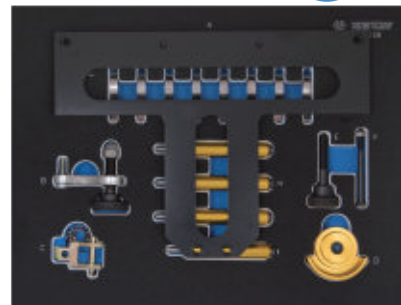
18  
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118i. E87 (04-08)  
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316ti. Compact E46 (01-05)  
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320i. E90 (05-08)

ENGINE **N42 / N46**  
CODE: B18, B18A, B20, B20A, B20B



#### CONTENTS :

- A&H&I - camshaft/carrier bracket
- Mounting fixture
- B - inlet camshaft securing tool (rear)
- C&F - torsion spring remover/installer
- D&E - inlet camshaft securing tool (front)
- G - intermediate lever clamp set (8 PC.)

