

INA No. 400 0480 10 // (KL-0180-181 K INA)



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Upgrade Kit TSI 1.8 - 2.0

**In conjunction** with Tool Kit TSI 1.0 - 1.6 INA No. 400 0479 10 // (KL-0180-180 K INA), applicable to VW-Audi vehicles equipped with either a 1.8 or 2.0 TFSI / TSI petrol engine; such as Audi A3, A4, A5, Q5, TT; VW Eos, Golf, Jetta, Passat, Scirocco, Sharan, Tiguan; Seat Altea, Exeo, Leon, Toledo; Škoda Octavia II, Superb II, Yeti.

(Engine codes: BYT, BZB, CABA, CABB, CABD, CADA, CAEA, CAEB, CAED, CAWA, CAWB, CBFA, CCTA, CCZA, CCZB, CCZC, CCZD, CDA A, CDAB, CDHA, CDHB, CDNB, CDNC, CDND, CESA, CETA, CFKA, CGYA, CJEB, CJSA, CJSB)

**Field of Application**

For the locking of camshafts, timing chain tensioners and auxiliary drive belt tensioners (ribbed V-belt) as well as for counter-holding the crankshaft. For removing /installing the 4/3-way central valve found in camshaft phasing units and for pre-tensioning/pushing back the timing chain tensioner.

An indispensable tool set when changing a timing chain or performing an engine repair.





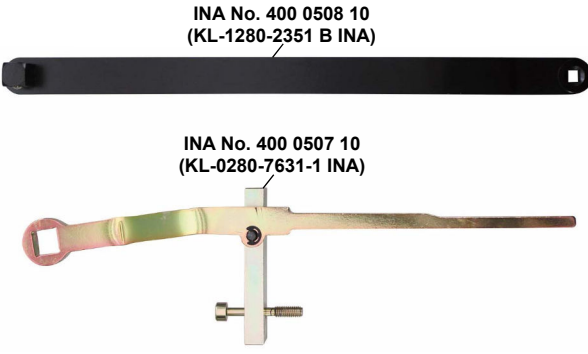



**Scope of Delivery (Components):**

Part No./Description	Qty	Image	Cross Reference OEM Tool No.
<p><b>INA No. 400 0497 10 // (KL-0184-0250 INA)</b> <b>Counter-Holding Tool, VW</b></p> <p>This tool is used in conjunction with the corresponding <b>base tool</b> for counter-holding the vibration damper while loosening and tightening the crankshaft central screw.</p>	1	<p><b>To be used with base tool:</b>  <b>1x</b> - INA No. 400 0503 10 // (KL-0184-0101 INA)                      Extension Tube with Protective Handle  <b>1x</b> - INA No. 400 0504 10 // (KL-0184-0102)                      Extension Tube  <b>2x</b> - INA No 400 0505 10 // (KL-0184-0103)                      Folding Spring Bolt</p>	T10355 *A
<p><b>Base Tool</b></p> <p><b>INA No. 400 0504 10 // (KL-0184-0102)</b> <b>Extension Tube</b></p>	1		
<p><b>INA No. 400 0505 10 // (KL-0184-0103)</b> <b>Folding Spring Bolt</b></p>	1		
<p><b>INA No. 400 0510 10 // (KL-0280-7633 INA)</b> <b>Camshaft-Turning Tool</b></p> <p>For turning the camshafts.</p>	1		T40266 *A
<p><b>INA No. 400 0498 10 // (KL-0280-7621-1 INA)</b> <b>Locking Tool for Camshaft (left)</b></p> <p>For locking the exhaust camshafts.</p>	1		T40271 *A T40271/1 *A
<p><b>INA No. 400 0499 10 // (KL-0280-7621-2 INA)</b> <b>Locking Tool for Camshaft (right)</b></p> <p>For locking the inlet camshafts.</p>	1		T40271 *A T40271/2 *A

\*A Alternative Tool

\*E Equivalent Tool

**Scope of Delivery (Components):**

Part No./Description	Qty	Image	Cross Reference OEM Tool No.
<b>INA No. 400 0500 10 // (KL-0280-7622-1 INA)</b> <b>Removal/Installation Tool for Cam Phaser Central Valve</b> For removing /installing the 4/3-way central valve found in camshaft phasing units.	1		T10352 *A
<b>INA No. 400 0501 10 // (KL-0280-7622-2 INA)</b> <b>Removal/Installation Tool for Cam Phaser Central Valve</b> For removing /installing the 4/3-way central valve found in camshaft phasing units.	1		T10352/1 *A
<b>INA No. 400 0502 10 // (KL-0280-7622-3 INA)</b> <b>Removal/Installation Tool for Cam Phaser Central Valve</b> For removing /installing the 4/3-way central valve found in camshaft phasing units.	1		T10352/2 *A
<b>INA No. 400 0506 10 // (KL-0280-7623 INA)</b> <b>Pressure Piece</b> For adjusting the crankshaft pulley central screw.	1		T10368 *E
<b>INA No. 400 0522 10 // (KL-0280-7631 INA)</b> <b>Mounting Lever</b> For pre-tensioning/pushing back the timing chain tensioner.	1	 <p>INA No. 400 0508 10 (KL-1280-2351 B INA)</p> <p>INA No. 400 0507 10 (KL-0280-7631-1 INA)</p>	T40243 *A
<b>INA No. 400 0509 10 // (KL-0280-7632 INA)</b> <b>Locking Tool for Chain Tensioner (2 units)</b> For locking the timing chain tensioner.	1		T40267 *E
<b>INA No. 400 0511 10 // (KL-0280-221 INA)</b> <b>Locking Pin, Ø 4mm, angled</b> For locking the auxiliary drive belt tensioner (ribbed V-belt).	1		T40098 *E
<b>INA No. 400 0512 10 // (KL-0280-222 INA)</b> <b>Locking Pin, Ø 4mm, angled</b> For locking the auxiliary drive belt tensioner (ribbed V-belt).	1		T10060 A *E
<b>INA No. 400 0523 10 // (KL-0180-1890-3 INA)</b> <b>Foam Insert</b>	1	<p><b>Warnings and Notes</b></p> <ul style="list-style-type: none"> <li>Do not attempt to start the engine whilst tools of the <b>INA No. 400 0480 10 // (KL-0180-181 K INA)</b> timing chain tool kit are still mounted.</li> <li>All vehicle-specific data stated herein are supplied under reserve and without commitment.</li> <li>Any work on vehicles should only be performed by qualified specialist personnel observing and complying with the directions, provisions, and safety regulations specified by the vehicle manufacturer.</li> <li>Always refer to the vehicle manufacturer's data and instructions as only these apply to all work that is carried out on the vehicle.</li> </ul>	

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