

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



INA No. 400 0480 10 // (KL-0180-181 K INA) 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, CDAA, 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.
INA No. 400 0497 10 // (KL-0184-0250 INA) Counter-Holding Tool, VW This tool is used in conjunction with the corresponding base tool for counter-holding the vibration damper while loosening and tightening the crankshaft central screw.	1	 To be used with base tool: <u>1x</u> - INA No. 400 0503 10 // (KL-0184-0101 INA) Extension Tube with Protective Handle <u>1x</u> - INA No. 400 0504 10 // (KL-0184-0102) Extension Tube <u>2x</u> - INA No 400 0505 10 // (KL-0184-0103) Folding Spring Bolt	T10355 ^{*A}
Base Tool INA No. 400 0504 10 // (KL-0184-0102) Extension Tube	1		
INA No. 400 0505 10 // (KL-0184-0103) Folding Spring Bolt	1		
INA No. 400 0510 10 // (KL-0280-7633 INA) Camshaft-Turning Tool For turning the camshafts.	1		T40266 ^{*A}
INA No. 400 0498 10 // (KL-0280-7621-1 INA) Locking Tool for Camshaft (left) For locking the exhaust camshafts.	1		T40271 ^{*A} T40271/1 ^{*A}
INA No. 400 0499 10 // (KL-0280-7621-2 INA) Locking Tool for Camshaft (right) For locking the inlet camshafts.	1		T40271 ^{*A} T40271/2 ^{*A}

^{*A} Alternative Tool

^{*E} Equivalent Tool

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Scope of Delivery (Components):

Part No./Description	Qty	Image	Cross Reference OEM Tool No.
INA No. 400 0500 10 // (KL-0280-7622-1 INA) Removal/Installation Tool for Cam Phaser Central Valve For removing /installing the 4/3-way central valve found in camshaft phasing units.	1		T10352 * ^A
INA No. 400 0501 10 // (KL-0280-7622-2 INA) Removal/Installation Tool for Cam Phaser Central Valve For removing /installing the 4/3-way central valve found in camshaft phasing units.	1		T10352/1 * ^A
INA No. 400 0502 10 // (KL-0280-7622-3 INA) Removal/Installation Tool for Cam Phaser Central Valve For removing /installing the 4/3-way central valve found in camshaft phasing units.	1		T10352/2 * ^A
INA No. 400 0506 10 // (KL-0280-7623 INA) Pressure Piece For adjusting the crankshaft pulley central screw.	1		T10368 * ^E
INA No. 400 0522 10 // (KL-0280-7631 INA) Mounting Lever For pre-tensioning/pushing back the timing chain tensioner.	1	 	T40243 * ^A
INA No. 400 0509 10 // (KL-0280-7632 INA) Locking Tool for Chain Tensioner (2 units) For locking the timing chain tensioner.	1		T40267 * ^E
INA No. 400 0511 10 // (KL-0280-221 INA) Locking Pin, Ø 4mm, angled For locking the auxiliary drive belt tensioner (ribbed V-belt).	1		T40098 * ^E
INA No. 400 0512 10 // (KL-0280-222 INA) Locking Pin, Ø 4mm, angled For locking the auxiliary drive belt tensioner (ribbed V-belt).	1		T10060 A * ^E
INA No. 400 0523 10 // (KL-0180-1890-3 INA) Foam Insert	1	Warnings and Notes - Do not attempt to start the engine whilst tools of the INA No. 400 0480 10 // (KL-0180-181 K INA) timing chain tool kit are still mounted. - All vehicle-specific data stated herein are supplied under reserve and without commitment. - 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. - Always refer to the vehicle manufacturer's data and instructions as only these apply to all work that is carried out on the vehicle.	