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**Accessories Spares
Centre (Pty) Ltd**

SPECIALISED TOOLS TIMING TOOL KITS 2026



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DESCRIPTION

Maintains Engine Timing Whilst Repairing The Cylinder Head, Replacing The Timing Belt Or Servicing The Engine. Needed When Determining The Top Dead Center Point Of Cylinder 1, On The Working Stroke. Holds The Camshaft In Position, Whilst Adjusting The Tensioner Pulley. Works On Alfa Romeo Engines Including Some Fiat And Lancia Engines.

CONTENTS

- | | | |
|--------------------------------|----------------------------------|-----------------------------|
| •10pce M7x55mm | •2pce Camshaft Alignment Tool | •2pce Camshaft Setting Tool |
| •2pce Piston Height Guage | •8mm Cranked Setting Pin | •Camshaft Locking Tool |
| •Crankshaft Timing Tool | •Dial Indicator Ψ40 | •Fixing Gauge |
| •Flywheel Belt Tensioning Tool | •Flywheel Locking Tool | •Locking Bolt M8x40mm |
| •TDC Adjusting Tool | •Tension Tool | •Tensioning Tool |
| •Timing Belt Tensioning Tool | •Timing Pump Sprocket Timing Pin | •Variator Socket |
| •Camshaft Locking Tools | | |
| -1pce Black | -2pce Silver | -2pce Gold |
| -2pce Green | -2pce Dark Gray | -2pce Pink |
| -2pce Purple | -2pce Light Blue | -2pce Light Green |
| -2pce Bronze | | -2pce Blue |
| | | -4pce Red |
| | | -2pce Yellow |

APPLICATION

•Engine Models:

- Alfa Romeo** 2.0L Petrol Engine "JTS" (4 Cylinders).
- Alfa Romeo** 3.0L Petrol Engine "V6 Busso" (6 Cylinders).
- Alfa Romeo** 1.6L / 1.8L / 2.0L Petrol Engines "Twin Spark" (4 Cylinders).
- Fiat** 1.2L 16V Petrol Engine "Super-FIRE" (4 Cylinders).
- Fiat** 1.8L Petrol Engine "E.torQ" (4 Cylinders).
- Fiat** 2.0L Petrol Engine "Family C" (5 Cylinders).
- Fiat** 1.4L 12V / 1.8L Petrol Engine "Family B" (4 Cylinders).

•Engine Codes:

- | | |
|-----------------------------------|-----------------------------|
| - 1.2L 176B4000, 188A4000. | - 1.4L 14, 182A3000. |
| - 1.6L 6760, AR, AR67601. | - 1.8L 183A1000. |
| - 2.0L AR32301, AR32310. | - 2.4L 841D000. |
| - 3.0L 06124, AR16105. | |

•Vehicle Models:

- | | |
|--------------------------------------|--------------------------------------|
| - Alfa Romeo 145 (1997-2000). | - Alfa Romeo 146 (1997-2000). |
| - Alfa Romeo 147 (2000-2010). | - Alfa Romeo GTV (2003-2006). |
| - Fiat Brava (1995-1999). | - Fiat Bravo (1995-1999). |
| - Fiat Coupe (1994-2000). | - Fiat Multipla (2000-2010). |
| - Fiat Siena (2012-). | - Lancia Dedra (1996-1997). |
| - Lancia Delta (1996-1997). | - Lancia Kappa (1996-1998). |



DESCRIPTION

Suitable For Setting And Adjusting The Timing On N42 And N46 Chain Drive Petrol Engines, With A Valvetronic System. Includes Tools To Align The Twin Vanos Unit.

CONTENTS

- VANOS Alignment Tool.
 - Inlet Camshaft Setting Plate.
 - Chain Pre-tensioning Tool.
 - Flywheel Locking Pin.
- Securing Screw For Camshaft Setting Plate.
 - Exhaust Camshaft Setting Plate.
 - Camshaft Tuning Tool.
 - Flywheel Location Pin.

APPLICATION

- Engine Models:

 - BMW** 1.8L / 2.0L N42 Petrol Engines (4 Cylinders).
 - BMW** 1.8L / 2.0L N46 Petrol Engines (4 Cylinders).
- Engine Codes:

 - 1.8L** N42B18, N42B18A, N46B18, N46B18A.
 - 2.0L** N42B20, N42B20A, N42B20B, N46B20, N46B20A, N46B20B.
- Vehicle Models:

- BMW** 118i E87 (2004-2008).
 - BMW** 316i E46 (2001-2005).
 - BMW** 318i E46 (2001-2007).
 - BMW** 318i E90 (2005-2008)
 - BMW** 520i E60 (2004-2008)
 - BMW** Z4 2.0i E85 (2004-2008)

- BMW** 120i E87 (2004-2008).
 - BMW** 316ti Compact E46 (2001-2005)
 - BMW** 318ti Compact E46 (2001-2005).
 - BMW** 320i E90 (2005-2008)
 - BMW** X3 2.0i E83 (2005-2008).



DESCRIPTION

Maintains Timing On BMWs With Common Rail Diesel Engines. Suitable For N47/S With Either 1.6D Or 2.0D Displacements And N57/S With 3.0D Displacement.

CONTENTS

- Flywheel Locking Pin.
- Crankshaft Holding Tool.
- Crankshaft Turning Tool.
- Socket Removal Tool.
- Camshaft Setting Plate.
- 2Pce Tensioner Locking Pins.

APPLICATION

- Engine Models:
 - BMW** 1.6D / 2.0D N47, N47S Diesel Engines (4 Cylinders).
 - BMW** 3.0D N57, N57S Diesel Engines (6 Cylinders).
- Engine Codes:
 - 1.6D** N47D16.
 - 2.0D** N47D20A, N47D20C, N47D20C/01, N47D20C/K1, N47D20C/O1, N47D20C/U1, N47D20D/T1, N47D20O0, N47D20O1, N47D20U0, N47SD20B, N47SD20D, N47SD20T0, N47TD20K1, N47TD20O1, N47TD20U1.
 - 3.0D** N57D30A, N57D30A0, N57D30B, N57D30C, N57D30O0, N57D30O0, N57D30O1, N57D30S1, N57D30T0, N57D30U0.
- Vehicle Models:

-BMW 114d F20/21 (2012-2014). -BMW 118d E81, E82, E87, E88 (2007-2013). -BMW 123d E81, E82, E87, E88 (2007-2013). -BMW 318d E90, E91 (2007-2012). -BMW 520d E60, E61 (2007-2010). -BMW X3 xDrive1.8d E83 (2009-2010). -BMW X5 E70 (2010-2013).	-BMW 116d F20/21 (2011-2013). -BMW 120d E81, E82, E87, E88 (2007-2013). -BMW 125d F20/21 (2012-2013). -BMW 320d E90, E91, E92 (2007-2012). -BMW X1 E84 (2009-2013). -BMW X3 xDrive 2.0d E83 (2007-2010). -BMW X6 E71/72 (2010-2013).
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DESCRIPTION

Suitable For Setting And Adjusting The Timing On BMW N43 Petrol Engines. The Kit Contains The Necessary Tools For Aligning The Vanos Unit On The Inlet And The Exhaust Camshafts.

CONTENTS

- 2pce Chain Tensioner Locking Pin.
 - Flywheel Locking Pin.
 - Vanos Alignment Tool.
- Timing Chain Pre-tensioner Tool.
 - Camshaft Alignment Tool.
 - Balancer Shaft Aligner.

APPLICATION

- Engine Models:

-**BMW** 1.6L / 2.0L N43 Petrol Engine (4 Cylinders).
- Engine Codes:

-**1.6L** N43B16.

-**2.0L** N43B20.
- Vehicle Models:

-**BMW** 116i E87 (2007-2009).

-**BMW** 118i E81, E87, E88 (2008-2011).

-**BMW** 316i E90 (2008).

-**BMW** 320i E90, E91, E92, E93 (2007-2011).

-**BMW** 116i E81, E87 (2009-2011).

-**BMW** 120i E81, E82, E87, E88 (2007-2011).

-**BMW** 318i E90, E91, E92, E93 (2007-2011).

-**BMW** 520i E60, E61 (2007-2009).



DESCRIPTION

Locks Camshaft In T.D.C Position When Checking/Adjusting Camshaft Timing, Replacing Inlet Camshaft Or Timing Chain. Covers 2006 And Newer 1, 3 And 5 Series Models. Suitable For N51, N52, N53 & N54 Petrol Engines.

CONTENTS

- Vanos Alignment Plate (N51/N52/N52K Engine).
- Vanos Alignment Plate (N53/N54 Engine).
- Flywheel Locking Pin.
- 2pce Bolts M6x145.
- 2pce Bolts M7x145.
- Camshaft Setting Assembly (Complete Set).
- 2pce Retaining Fork -Shim (N51/N52/N52K Engine) -Bridge

APPLICATION

- Engine Models: -**BMW** 2.5L / 3.0L N51, N52 Petrol Engine (6 Cylinders Valvetronic).
- BMW** 2.5L / 3.0L N53, N54 Petrol Engine (6 Cylinders Direct Injection).
- Engine Codes: -**2.5L** N52B25, N53B25.
- 3.0L** N51B30, N52B20, N53B30, N54B30.
- Vehicle Models: -**BMW** 125i E82, E88 (2008-2011).
- BMW** 330i E90, E92, E93 (2006-2007).
- BMW** 523i E60, E61 (2005-20007).
- BMW** 730i E65, E66 (2005-2008).
- BMW** X1 E84 xDrive25i (2009-2010).
- BMW** 128i E82 (2008-2011).
- BMW** 335is E92, E93 (2011-2013).
- BMW** 630i E63 (2007-2010).
- BMW** 740i F01 (2008-2012).
- BMW** Z4 2.5i E85 (2006-2008).
- 3.0L N52 Non-Turbo & 3.0L N53 Twin Turbo Engines.
- Covers 2006 and Newer 1, 3 and 5 Series Models.



DESCRIPTION

Maintains Timing On BMWs Fitted With Either Single Or Double Camshaft Petrol Engines. Suitable For M40, M42, M43, M44, M50, M52, M54 And M56 With Either 1.6/1.8/1.9/2.0/2.2/2.4/2.5/2.8L Or 3.0L Displacements.

CONTENTS

- Vanos Unit Engagement Wrench.
 - Compressed Air Connector.
 - Camshaft Setting Plate.
 - Tensioner Locking Tool.
- Twin Vanos Setting Tool.
 - Tensioner Pin (M50).
 - Camshaft Timing Tool
 - Pre-load Tool.
- Timing Adjustment Plate.
 - Sprocket / Chain Assembly Fixture.
 - Flywheel Locking Pin.

APPLICATION

- Engine Models:

•Engine Codes:
- BMW** 1.6L / 1.8L / 1.9 / M40, M42, M43, M44 Petrol Engines (4 Cylinders).
 - BMW** 2.0L / 2.2L / 2.4L / 2.5L / 2.8L / 3.0L M50, M52, M54, M56 Petrol Engines (6 Cylinders).
 - 1.6L** M40B16, M43B16.
 - 1.8L** M40B18, M42B18, M43B18.
 - 1.9L** M43B19, M44B19.
 - 2.0L** M50B20, M52B20, M52TUB20.
 - 2.2L** M54B22.
 - 2.4L** B50B24TU, M52TUB24.
 - 2.5L** M50B25, M50B25TU, M52B25, M52TUB25, M54B25, M56B25.
 - 2.8L** M52B28, M52TUB28.
 - 3.0L** M54B30.
- Vehicle Models:
- BMW** 316i E36 (1990-1994).
 - BMW** 318iS E36 (1992-1996).
 - BMW** 518i E34 (1994-1996).
 - BMW** Z3 1.9 (1996-2001).
 - BMW** 525ix E34 (1992-1996).
 - BMW** 525i E34 (1990-1992).
 - BMW** x5 3.0i E53 (2000-2006).
 - BMW** Z4 2.5i E85 (2002-2005).
 - BMW** 318i E30 (1988-1994).
 - BMW** 518i E34 (1988-1994).
 - BMW** Z3 1.9 (2001-2003).
 - BMW** 525iA/2.4 E34 (1992-1996).
 - BMW** 325is E36 (1993-1995).
 - BMW** X3 2.5i E83 (2003-2006).
 - BMW** Z4 2.2i E85 (2003-2005).
 - BMW** Z4 3.0i E85 (2002-2005).



DESCRIPTION

Used For Installing And Removing The Camshaft/Hydraulic Chain Tensioner. Checks And Adjusts the Camshaft Timing. Hardened And Tempered For Maximum Durability. Blackened Finish.

CONTENTS

- Locking Tool For Camshaft (M47/M57).
- Retaining Pin For Tensioner.
- Camshaft Alignment Tool - Diesel.
- Timing Pin (Ψ8/Ψ8.2 36mmL) - M47T2.
- Injection Pump Extractor.
- Injection Pump Extractor.
- Locking Tool For Camshaft.
- Locking Pin (Ψ11.8/Ψ8).
- Reaction Wrench.
- Timing Pin (Ψ8/Ψ8.2 30mmL) - M57T2.
- Puller For Injection Pump.
- Injection Pump Shaft.

APPLICATION

- **Engine Models:**
 - **BMW** 1.7D M41 Diesel Engine (4 Cylinders).
 - **BMW** 2.0D M47 Diesel Engine (4 Cylinders).
 - **BMW** 2.5D / 3.0D M57 Diesel Engine (6 Cylinders).
- **Engine Codes:**
 - **1.7D** M41D17.
 - **2.0D** M47D20, M47R, M47TUD20, M47TU2D20.
 - **2.5D** M57D25, M57D25TU.
 - **3.0D** M57D30, M57D30TU, M57D30TU2.
- **Vehicle Models:**
 - **BMW** 318tds E36 (1994-2000).
 - **BMW** 318d E46 (2003-2005).
 - **BMW** 320d E46 (2001-2005).
 - **BMW** 525d E39 (2000-2003).
 - **Land Rover** Freelander (2001-2006).
 - **Range Rover** 75 CDT (1999-2004).
 - **Range Rover** MG ZT CDT (2001-2004).
 - **BMW** 318d E46 (2001-2003).
 - **BMW** 320d E46 (1999-2001).
 - **BMW** 520d E39 (2000-2003).
 - **BMW** 525d E60, E61 (2003-2007).
 - **Opel** Omega B 2.5DTi (2001-2003).
 - **Range Rover** 75 CDTi (1999-2005).
 - **Range Rover** MZ ZT CDTi (2001-2005).



DESCRIPTION

Maintains Camshaft And Crankshaft Timing Positions, Whilst Servicing A 1.7L And A 2.5L Chain Drive Diesel Engine. Also Suitable For 1.8D, 20.D & 2.5D Chain Drive Diesel Engines.

CONTENTS

- Timing Chain Compressor
 - Injection Pump Sprocket Puller
 - Crankshaft Holding Tool.
- Timing Chain Locking Pins
 - Injection Pump Lever

APPLICATION

- Engine Models:

 - BMW** 1.7D M41 Diesel Engine (4 Cylinders).
 - BMW** 2.5D M51 Diesel Engine (6 Cylinders).
- Engine Codes:

 - 1.7D** M41D17, 174T1.
 - 2.5D** M51D25UL, M51D25OL, X25DT, M51D25TUUL, M51D25TUOL, M51D25M1, 256T1, 256D, 25DT.
- Vehicle Models:

- BMW** 318tds E36 (1994-2000).
 - BMW** 325td E36 (1993-1996).
 - BMW** 525tds E34 (1991-1996).
 - BMW** 525td E39 (1996-2000).
 - Range Rover** 2.5 D/DSE (1995-2001).

- BMW** 325td E36 (1991-1996).
 - BMW** 525td E34 (1996-1998).
 - BMW** 525tds E39 (1996-2000).
 - BMW** 725tds E38 (1996-2000).
 - Opel** Omega-B (1995-2001).



DESCRIPTION

Maintains Engine Timing When Removing And Installing The Camshaft. And Dismantling/Rebuilding The

Camshaft Carrier Bracket/Valvetronic Assembly. Comes With Essential Tool For Safe Removal Of The Torsion Spring. Used on N42 And N46 Petrol Engines.

CONTENTS

- Camshaft/Carrier Mounting Fixture.
- Inlet Camshaft Securing Tool (Front).
- Inlet Camshaft Securing Tool (Rear).
- Mounting Fixture Support - Short.
- Bolt (M6x70mm).
- Torsion Spring Remover/Installer.
- Inlet Camshaft Securing Tool (Front).
- Mounting Fixture Support - Long (3 per Kit).
- 8Pce Intermediate Lever Clamp Set.
- Nut (M6).

APPLICATION

- Engine Models:
 - BMW** 1.8L / 2.0L N42 Petrol Engines (4 Cylinders).
 - BMW** 1.8L / 2.0L N46 Petrol Engines (4 Cylinders).
- Engine Codes:
 - 1.8L** N42B18, N42B18A, N46B18, N46B18A.
 - 2.0L** N42B20, N42B20A, N42B20B, N46B20, N46B20A, N46B20B.
- Vehicle Models:
 - BMW** 118i E87 (2004-2008).
 - BMW** 316i E46 (2001-2005).
 - BMW** 318i E46 (2001-2007).
 - BMW** 318i E90 (2005-2008)
 - BMW** 520i E60 (2004-2008)
 - BMW** Z4 2.0i E85 (2004-2008)
 - BMW** 120i E87 (2004-2008).
 - BMW** 316ti Compact E46 (2001-2005)
 - BMW** 318ti Compact E46 (2001-2005).
 - BMW** 320i E90 (2005-2008)
 - BMW** X3 2.0i E83 (2005-2008).



DESCRIPTION

Removes And Installs Twin Camshafts on A BMW N42 And N46 Petrol Engine. Aligns, Removes And Installs The VANOS Unit.

CONTENTS

- Twin Chain Tensioner Pre-Load Tool.
 - Camshaft Setting Plate (Inlet).
 - Flywheel TDC Locking Pin.
 - Exhaust Camshaft Setting Plate Securing Screw.
 - Camshaft/Carrier Bracket Mounting Fixture.
 - Inlet Camshaft Securing Tool (Front).
 - Torsion Spring Remover/Installer.
- Vanos Alignment Plate.
 - Camshaft Setting Plate (Exhaust).
 - Camshaft Turning Tool.
 - Flywheel Location Pin.
 - 8Pce Intermediate Lever Clamps.
 - Inlet Camshaft Securing Tool (Rear).

APPLICATION

- Engine Models:

-**BMW** 1.8L / 2.0L N42, N46/T Petrol Engine (4 Cylinders).
- Engine Codes:

-**1.8L** N42B18, N46B18.
-**2.0L** N42B20, N46B20U1, N46B20U2, N46B20O0, N46B20O1, N46NB20.
- Vehicle Models:

-**BMW** 118i E81, E82, E87, E88 (2004-2012).
-**BMW** 120i E81, E82, E87, E88 (2007-2011).
-**BMW** 318ti Compact E46 (2001-2007).
-**BMW** 320i E90, E91, E92, E93 (2005-2012).
-**BMW** X1 sDrive18i E84 (2010-2012).
-**BMW** X3 2.0 E83 (2005-2010).

-**BMW** 120i E81, E82, E87, E88 (2004-2012).
-**BMW** 316ti Compact E46 (2001-2007).
-**BMW** 318i E90, E91, E92, E93 (2005-20112).
-**BMW** 520i E60, E61 (2007-2010).
-**BMW** X1 xDrive18i E84 (2010-2012).
-**BMW** Z4 2.0 E85, E86 (2004-2009).



DESCRIPTION

Suitable For Setting And Adjusting The Timing On 1.6L BMW N40, N45/T Chain Drive Petrol Engines. And For Aligning The VANOS Unit On The Inlet And Exhaust Camshaft Setting Plates.

CONTENTS

- Vanos Alignment Plate.
- Camshaft Setting Plate (Exhaust).
- Camshaft Setting Plate Securing Screw.
- Camshaft Setting Plate (Inlet).
- Timing Chain Tensioner Pre-Load Tool.
- Flywheel Locking Pin.

APPLICATION

- Engine Models:
 - BMW** 1.6L N40 Petrol Engine (4 Cylinders).
 - BMW** 1.6L N45/T Petrol Engine (4 Cylinders).
- Engine Codes:
 - 1.6L** N40B16, N45B16.
- Vehicle Models:
 - BMW** 116 E81, E82, E87, E88 (2004-2009).
 - BMW** 116i E81, E87, (200-2011).
 - BMW** 316i Compact E (2001-2007).
 - BMW** 316ti Compact E (2001-2007).
 - BMW** 316i E90, E91, E92, E93 (2005-2010).
 - BMW** 320i E90, E91 (2006-2011).



DESCRIPTION

Suitable For Setting And Locking Camshafts On Chain-Driven BMW Vanos Engines. Double Vanos Engine Timing Kit Needed For Assembly And To Properly Time The Vanos Unit On 1998 & Newer 6 Cylinder Engines.

CONTENTS

- Alignment Jig.
- Chain Tensioner Lock Pin.
- Sprocket Assembly Jig.
- VANOS Compressed Air Connector.
- Rigid Chain Tensioner.

APPLICATION

- Engine Models:
- BMW 2.0L / 2.2L / 2.4L / 2.5L / 2.8L / 3.0L M52, M54, M56 Petrol Engines (6 Cylinders).
- Engine Codes:
- 2.0L M52B20, M52TUB20.
- 2.2L M54B22.
- 2.4L M52TUB24.
- 2.5L M50B25TU, M52B25, M52TUB25, M54B25, M56B25.
- 2.8L M52B28, M52TUB28.
- 3.0L M54B30.
- 3.2L M54B32.
- Vehicle Models:
- BMW 320 2.0 E46 (1998-2001).
- BMW 323 2.3 E46 (1998-2001).
- BMW 328 2.8 E46 (1998-2001).
- BMW 520 2.0 E39 (1998-2001).
- BMW 520 2.0 E39 (2000-2003).
- BMW 525 2.5 E39 (2000-2003).
- BMW 528 2.8 E39 (1998-2001).
- BMW 530 3.0 E60 E61 (2003-2005).
- BMW 730 3.0 E65 E66 (2002-2005).
- BMW X5 3.0 E53 (1999-2005).
- BMW 320 2.0 E46 (2000-2006).
- BMW 325 2.5 E46 (2000-2006).
- BMW 330 3.0 E46 (2000-2006).
- BMW 520 2.0 E60 E61 (2003-2005).
- BMW 523 2.3 E39 (1998-2001).
- BMW 525 2.5 E60 E61 (2003-2005)
- BMW 530 3.0 E39 (2000-2003).
- BMW 728 2.8 E38 (1998-2002).
- BMW X3 3.0 E83 (2003-2006).
- BMW Z3 2.0 (1999-2003).



DESCRIPTION

Designed For Fixing The Camshaft In TDC Position. Use The Tool To Dismantle And Assemble Intake And Exhaust Camshaft. Used When Servicing The Vanos System. Used To Lock The Vanos Cam In Top Dead Center Position.

CONTENTS

- Camshaft Locking Tool.
- Chain Tensioner.
- Camshaft Fixing Base.
- Alignment Pins.

APPLICATION

•Engine Models: -**BMW** 1.6L / 2.0L N20, N26 Petrol Engines (4 Cylinders).

•Engine Codes: -**1.6L** N20B16
-**2.0L** N20B20, N26B20.

•Vehicle Models:

- BMW** 125i F20 (2012-2017).
- BMW** 228i F22 (2012-2016).
- BMW** 228iX F22 (2012-2016).
- BMW** 320i GT F34 (2013-2016).
- BMW** 328i F30 (2012-2016).
- BMW** 428i SULEV F32, F35, F36 (2015-2016).
- BMW** 520i F10 (2013-2016).
- BMW** 525Li F10 (2013-2016).
- BMW** X1 sDrive28i E84 (2011-2015).
- BMW** X3 xDrive28i F25 (2012-).
- BMW** X4 xDrive20i F26 (2014-2017).
- BMW** 220i F22 (2014-)
- BMW** 228i F22 (2014-2016).
- BMW** 320i F30 (2012-2015).
- BMW** 328i F30 (2011-2016).
- BMW** 328iX F30 (2012-2016).
- BMW** 520i F10 (2011-2016).
- BMW** 520Li F10 (2013-2016).
- BMW** 528i F10 (2011-2016).
- BMW** X1 xDrives E84 (2011-2015).
- BMW** X3 xDrive20i F25 (2011-).
- BMW** Z4 sDrive28i E89 (2011-2016).



DESCRIPTION

Designed For Fixing The Camshaft in TDC Position. Use The Tool To Dismantle And Assemble Intake And Exhaust Camshaft. In 2011 BMW Released A Turbocharged 1.6 Prince Engine (Called The N18 Engine For The Mini Cooper S And Called The N13 Engine For BMW Applications). The Engine Has Direct Injection, Twin-Scroll Turbocharger And Variable Valve Lift. The N13 Is Sold Alongside The Larger Displacement BMW N20 Turbocharged Straight-4 Engine.

CONTENTS

- Exhaust Camshaft Alignment Tool.
- Timing Chain Pre-Tensioner Tool.
- Flywheel Locking Pin.
- Camshaft Alignment Tool.
- Flywheel Locking Pin (Dog Leg).

APPLICATION

- Engine Models:
 - BMW** 1.6L N13 Petrol Engine (4 Cylinders).
 - Mini** 1.6 N18 Petrol Engine (4 Cylinders).
 - PSA** 1.6L Turbocharged Petrol Engine "Prince" (4 Cylinders).
- Engine Codes:
 - 1.6L** N13B16, EP6DT, EP6DTS, EP6CDT, EP6CDTM, EP6CDT MD.
- Vehicle Models:
 - Mini** Cooper S R56 (2011-2013).
 - Mini** Cooper S R57 (2011-).
 - Mini** Clubman R55 (2008-).
 - Mini** Countryman R60 (2011-).
 - Mini** Roadster R59 (2012-).
 - Citroën** C4 (2008-).
 - Peugeot** 207 CC/GT (2006-2014).
 - Mini** Cooper S R55 (2011+-).
 - Mini** Hatchback R56 (2007-2013).
 - Mini** Convertible R57 (2009-).
 - Mini** Coupe R58 (2012-).
 - Citroën** C4 Picasso (2008-).
 - Citroën** DS3 (2009-).
 - Peugeot** 208 (2012-).



DESCRIPTION

The Essential Tool For The Removal And Installation Of The Timing Chain Assembly On A Range Of BMW, Mini, PSA, Citroën And Peugeot Petrol Engines.

CONTENTS

- Balance Shaft Aligner.
- Crankshaft Gear Holding Tool.
- Chain Tensioner Locking Pin.

- Balance Shaft Aligner.
- Crankshaft Gear Holding Tool Support.

APPLICATION

•Engine Models:

- BMW** 1.6L / 1.8L / 2.0L / N40, N42, N45, N45T, N46/T Petrol Engines (4 Cylinders).
- BMW** 2.5L / 3.0L N51, N52, N53, N54 Petrol Engines (6 Cylinders).
- PSA** 1.4L / 1.6L EP3, EP6/D/DT Petrol Engine "Prince" / BMW N12 (4 Cylinders).

•Engine Codes:

- 1.4L** EP3(8FS).
- 1.6L** EP6(5FW), EP6DT(5FX), EP6DTS(5FY), N40B16, N45B16.
- 1.8L** N42B18, N46B18.
- 2.0L** N42B20, N45B20S, N46B20U1, N46B20U2, N46B20O0, N46B20O1, N46NB20.
- 2.5L** N52B25, N53B25.
- 3.0L** N52B30, N53B30, N54B30.

•Vehicle Models:

- BMW** 116i E81/82/87/88 (2004-2009).
- BMW** 120i E81/82/87/88 (2004-2012).
- BMW** 130i E81/87 (2005-2012).
- BMW** 316i/ti Compact E46 (2001-2007).
- Mini** Cooper S R55/R56 (2006-2010).
- Mini** One R56 (2007-2010).
- Citroën** C4 (2008-2011).
- Peugeot** 207CC (2007-2011).
- BMW** 118i E81/82/87/88 (2004-2012).
- BMW** 125i E82 (2007-2012).
- BMW** 135iS E82 (2007-2012).
- BMW** 316i E90/91/92/93 (2005-2010).
- Mini** Cooper R55/R56 (2006-2010).
- Citroën** C4 Picasso (2008-2011).
- Peugeot** 207 (2006-2011).
- Peugeot** 308 (2007-2011).



DESCRIPTION

This Tool Is Used To Align And Fix The Camshaft At Top Dead Center (TDC) During Assembly. Used To Hold The Crankshaft At Top Dead Center (TDC) When Adjusting The Camshaft Timing. The BMW S65 Is A V8 DOHC Piston Engine Which Replaced The (Straight-6) S54 And Was Produced From 2007–2013.

CONTENTS

- Gauge Set.
 - Locking Tool.
- Assembly Tool.
 - 2Pce Screws.
- Plug Mandrel.
 - 4Pce Screws.

APPLICATION

- Engine Models:

- BMW** 4.0L / 4.4L S65 Petrol Engine (8 Cylinders).
- Engine Codes:

- 4.0L** S65B40.
 - 4.4L** S65B44.
- Vehicle Models:

- BMW** M3 E90, E92, E93 (2008-2013).
 - BMW** M3 CRT E90 (2011-2012).

- BMW** M3 GTS E92 (2010-2011).



DESCRIPTION

Maintains Camshaft Timing Whilst Servicing BMW Vehicles, Fitted With Either Code B38, B48 Or B58. The B38, B48 & B58 Are Turbocharged Valvetronic Petrol Engines With Direct Injection (TVDI). Mounted With Either 3 (B38), 4 (B48) Or 6 (B58) Cylinders.

CONTENTS

- Camshaft Intake Guage.
- Locking Stud.
- Chain Tensioner.
- Adapter.
- Camshaft Exhaust Guage.
- Crankshaft HUB Connector.
- Wrench.
- Socket (T60).

APPLICATION

- Engine Models:
 - BMW** 1.2L / 1.5L B38 Petrol Engine (3 Cylinders).
 - BMW** 2.0L B48 Petrol Engine (4 Cylinders).
 - BMW** 3.0L B58 Petrol Engine (6 Cylinders).
- Engine Codes:
 - 1.2L** B38A12U0.
 - 1.5L** B38A15M0, B38K15T0.
 - 2.0L** B48A20M0, B48B20M0, B48B20O0.
 - 3.0L** B58B30M0, B58B30M1, B58B30O1.
- Vehicle Models:
 - BMW** 330e (2016-2017).
 - BMW** i8 (2015-2017).
 - BMW** 330i G20 (2019-).
 - BMW** 230i F22 (2016-).
 - BMW** 340i F30/F31/F34 (2016-2018).
 - Mini** Clubman F54 (2015-).
 - Mini** Countryman F60 (2017-2017).
 - BMW** 740e xDrive (2017-2017).
 - BMW** 630i G32 (2017-).
 - BMW** 330e G20 (2019-).
 - BMW** F48 X1 20i (2016-).
 - Mini** Cooper F55/F56 (2014-2017).
 - Mini** One F55/F56 (2014-2018).
 - Mini** Cooper S F56 (2014-).



DESCRIPTION

Removes And Installs The Front And Rear Oil Seals, On A Cranksaft In A BMW, Fitted With Either a N40, N42, N45/T N46/T N52, N53 Or N54 Petrol Engine.

CONTENTS

- Bushing.
 - Thrust Piece.
 - Puller.
- Nut.
 - Screws.

APPLICATION

- Engine Models:

 - BMW** 1.6L / 1.8L / 2.0L N40, N42, N45/T, N46/T Petrol Engines (4 Cylinders).
 - BMW** 2.5L / 3.0L N52, N53, N54 Petrol Engines (6 Cylinders)
- Engine Codes:

 - 16L** N40B16, N45B16.
 - 1.8L** N42B18, N46B18.
 - 2.0L** N42B20, N46B20U1,N46NB20.
 - 2.5L** N52B25, N53B25.
 - 3.0L** N52B30, N53B30, N54B30.
- Vehicle Models:

- BMW** 116i E81/E87 (2004-2011).
 - BMW** 316i E46 (2001-2004).
 - BMW** 316i E90/E91 (2006-2011).
 - BMW** 335is E92/E93 (2011–2013).
 - BMW** 523i F10/F11 (2009-2011).
 - BMW** X3 2.0i E83 (2007-2010).
 - BMW** 118i E87 (2005-2007).
 - BMW** 316ti E46 (2004-2005).
 - BMW** 318Ci E46 (2001-2004).
 - BMW** 523i E60/E61 (2005-2007).
 - BMW** 630i E63/64 (2005-2009).
 - BMW** X6 xDrive35i E71 (2008–2010).



DESCRIPTION

Removes And Installs The Fuel Injector, In A BMW. Fitted With Either An N20 Or N55 Petrol Engine.

CONTENTS

•1Pce Fuel Injector Tool.

APPLICATION

- Engine Models:
 - BMW** 1.6L / 2.0L N20 Petrol Engines (4 Cylinders).
 - BMW** 3.0L N55 Petrol Engines (6 Cylinders).
- Engine Codes:
 - 1.6L** N20B16
 - 2.0L** N20B20
 - 3.0L** N55B30, N55B30O0, N55B30M0, N55HP.
- Vehicle Models:
 - BMW** 125i F20 (2012–2017).
 - BMW** 228i F22 (2014–2016).
 - BMW** 335i F30/F31 (2011–2015).
 - BMW** 435i F32/F33/F36 (2013–2016).
 - BMW** 535i F10/F11/F07 (2009–2017).
 - BMW** X3 xDrive35i F25 (2010–2017).
 - BMW** X5 xDrive 35i E70 (2011–2013).
 - BMW** 135is E82/E88 (2012–2013).
 - BMW** 320i GT F34 (2013–2016).
 - BMW** 328i GT F34 (2013–2016).
 - BMW** 520i F10 (2011–2016).
 - BMW** M235i F22/F23 (2013–2016).
 - BMW** X4 xDrive20i F26 (2014–2017).



DESCRIPTION

Maintains Engine Timing On Both Camshaft And Crankshaft Whilst Replacing The Timing Belt Or Chain. Works On Both Petrol And Diesel Engines. A Special Wrench Is Supplied For Tuning The Exhaust Camshaft Sprocket, Whilst Removing And Installing The Vanos Unit. Primary Timing Chain Pre-Load Tool Is Supplied For Tensioning The Timing Chain On M50 Engines. An M22 Threaded For M42/M60 Engines & M26 Threaded For M50/M52 Engines Is Supplied.

CONTENTS

- VANOS Unit Engagement Wrench.
 - Camshaft Timing Tool - Petrol.
 - 2pce Tensioner Holding Pins.
 - Chain Pre-tensioner Tool (Nut & Spindle).
- Camshaft Timing Tool - Diesel.
 - Crankshaft Locking Pin.
 - Twin Cam Alignment Tool.
 - Timing Chain Pre-tension Tool (Nut & Spindle).

APPLICATION

- Engine Models:

 - BMW** 2.5D M51 Diesel Engine (6 Cylinders).
 - BMW** 3.0L / 4.0L M60 Petrol Engine (8 Cylinders).
 - BMW** 2.0L / 2.4L / 2.5 M50, M52 Petrol Engine (6 Cylinders).
 - BMW** 1.6L / 1.8L / 1.9L M40, M42, M43, M44 Petrol Engines (4 Cylinders).
- Engine Codes:

- 1.6L** M40B16, M43B16.
 - 1.8L** M40B18, M42B18, M43B18.
 - 1.9L** M43B19, M44B19.
 - 2.0L** M50B20, M50B20TU, M52B20, M52TUB20.
 - 2.4L** M50B24TU, M52TUB24
 - 3.0L** M60B30.

- 2.5D** M50B25, M50B25TU, M51D25UL, M51D25OL, M51D25TU UL, M51D25TU OL, M51D25M1, M52B25, M52TUB25.
 - 2.8L** M52B28, M52TUB28.
 - 4.0L** M60B40.
- Vehicle Models:

- BMW** 316i E30 (1988-1994).
 - BMW** 318ti E36 (1992-1996).
 - BMW** Z3 (1995-2001).
 - BMW** 320i E36 (1994-1998).
 - Land Rover** Defender (1997-2000).
 - Land Rover** Range Rover 2.5 D/DSE (1995-2001).

- BMW** 518i E34 (1988-1994).
 - BMW** 316i E46 (1998-2001).
 - BMW** 318Ti E36 (1996-2000).
 - BMW** 523i E39 (1995-2000).
 - Opel** Omega (1995-2001).



DESCRIPTION

Specifically Designed For The Popular BMW M3 Fitted With The Chain Driven 3.2 Litre 6 Cylinder 24-Valve Petrol Engines.

CONTENTS

- Crankshaft Alignment Pin.
 - Camshaft Setting Tool.
 - VANOS Spacers.
 - Camshaft Setting Tool Pins.
- Valve Timing Check Tool.
 - VANOS Alignment Lever.
 - Crankshaft Turning Tool.

APPLICATION

- Engine Models:

-**BMW** 3.2L S54 Petrol Engine (6 Cylinders).
- Engine Codes:

-**3.2L** S54B32.
- Vehicle Models:

-**BMW** M3 (2000-2007).

-**BMW** Z3 (2000-2003).

-**BMW** M3 CSL Coupe Sport (2003-2004)

-**BMW** Z4 (2006-2009)



DESCRIPTION

An Engine Timing Tool For BMW 1.2, 1.5, 2.0 Petrol And Diesel Engines.

CONTENTS

- Crankshaft Pulley Turning Tool.
 - Securing Bolt and Spacer.
- Flywheel Drive Plate Holding Tool.
 - Flywheel Bolt Socket.

APPLICATION

- Engine Models:

 - BMW** 1.2L / 1.5L B38 Petrol Engine (3 Cylinders).
 - BMW** 2.0L B48 Petrol Engine (4 Cylinders).
 - BMW** 1.5D B37 Diesel Engine (3 Cylinders).
 - BMW** 2.0D B47 Diesel Engine (4 Cyinders).
- Engine Codes:

 - 1.2L** B38A12U0.
 - 1.5L** B38A15M0, B38K15T0, B38B15.
 - 2.0L** B48A20M0, B48B20M0, B48B20O0.
 - 1.5D** B37C15
 - 2.0D** B47C20
- Vehicle Models:

- BMW** 118i F20/F21 (2014-2017-).
 - BMW** 318i F30/F31/F34/F35 (2014-2017-).
 - BMW** 518d G30/G31 (2014-2017-).
 - BMW** X1 (2014-2017-).
 - BMW** X4 (2014-2017-).
 - Mini** Clubman (2014-2017).
 - Mini** Convertible (2015-2017).
 - BMW** 220i F45/F46 (2014-2017-).
 - BMW** 420d F32/F33/F36 (2015-2017-).
 - BMW** 730i/730Li G11/G12 (2015-2017-).
 - BMW** X3 (2014-2017-).
 - BMW** X5 (2015-2017-).
 - Mini** Hatch (2015-2017).



DESCRIPTION

The Tools Have Been Specifically Designed To Allow The Camshaft And Crankshaft To Be Locked In Position To Correctly Check And Set The Camshaft Timing. Note: It May Be Necessary To Use A Pre-Load Tool On The Chain Tensioner Which Is Not Supplied In The Kit.

CONTENTS

- Camshaft Alignment Tool
- Clamp for Camshaft Alignment Tool
- M6 x 30mm Setscrew (3)
- Camshaft Alignment Tool (5FX/5FR/5FY/5FX)
- Crankshaft Alignment Tool

APPLICATION

- Engine Models: -**Mini** 1.6L N14 Petrol Engines (4 Cylinders)
- Engine Codes: -**1.6** N14B16A, N14B16CD, N14B16TO.
- Vehicle Models: -**Mini** Clubman (2007-2014). -**Mini** Coupe (2011 - 2015).
-**Mini** Roadster (2012 - 2015). -**Mini** Countryman (2014 - 2017).
-**Mini** Paceman (2014 - 2017).
- Suitable for Citroën C4 and Peugeot 207/308 With Engine Codes EP6 DT/DT5



DESCRIPTION

Kit Consists Of The Camshaft And Crankshaft Holding Tools As Well As The Flywheel Alignment Tool For Manual And Automatic Vehicles. Please Note Timing Chain Pre-Tensioner Tool May Also Be Required. An Additional Kit May Be Required If Work Is Being Carried Out On The Balance Shafts.

CONTENTS

- Crankshaft Holding Tool
 - Flywheel Drive Plate Timing Pin
 - Camshaft Alignment Tool
- A/T Drive Plate Timing Pin Adaptor
 - Tensioner Locking Pin

APPLICATION

- Engine Models:

 - BMW** 1.5L B36 Petrol Engine (3 Cylinders)
 - BMW** 1.2L / 1.5L B38 Petrol Engine (3 Cylinders).
 - BMW** 2.0L B46 Petrol Engine (4 Cylinders).
 - BMW** 2.0L B48 Petrol Engine (4 Cylinders).
 - BMW** 3.0L B58 Petrol Engine (6 Cylinders).
- Engine Codes:

 - 1,2** B38A12A.
 - 1,5** B36A15A, B38A15A, B38B15A, B38K15A.
 - 1,6** B48B16A.
 - 2,0** B46B20A, B48A20A, B48A20B, B48A20E, B48B20A, B48B20B.
 - 3,0** B58B30A, B58B30B, B58B30C.
- Vehicle Models:

 - BMW** 116i F20/F21 (2015-2019).
 - BMW** 218i F22/F23/F45/F46 (2014-).
 - BMW** 320i F30/31/F80 (2015-2019).
 - BMW** 440i F32/F33/F36 (2015-).
 - BMW** 640i G32 (2017-).
 - BMW** i8 I12 (2014-).
 - BMW** X1 F48 (2015-).
 - BMW** X3 G01 (2017-).
 - BMW** Z4 G29 (2019-).
 - Mini** Convertible F57 (2016-).
 - Mini** Mini Hatch F55/F56 (2014-).

- BMW** xDrive F20/F21 (2015-2019).
 - BMW** M240i F22/F23/F45/F46 (2014-).
 - BMW** 325i G20/21 (2019-).
 - BMW** 520i G30/31 (2017-).
 - BMW** 730i (2015-).
 - BMW** X1 F48 (2015-).
 - BMW** X2 F39 (2018-).
 - BMW** X4 G02 (2018-).
 - Mini** Clubman F54 (2015-).
 - Mini** Countryman F60 (2017-).



DESCRIPTION

To Hold And Align The Camshaft For Adjusting The Timing.

CONTENTS

•Engine Timing Tool Set.

APPLICATION

•Engine Models:

- Cherry** 1.3L SQR473F Petrol Engine (4 Cylinders).
- Cherry** 1.6L SQR481F Petrol Engine (4 Cylinders).
- Cherry** 1.8L SQR481FC Petrol Engine (4 Cylinders).
- Cherry** 2.0L SQR484F Petrol Engine (4 Cylinders).

•Engine Codes:

- 1.3L** SQR473F.
- 1.6L** SQR481F.
- 1.8L** SQR481FC.
- 2.0L** SQR484F.

•Vehicle Models:

- Cherry** A1 (2007-2015).
- Cherry** A5 (2006-2010).
- Cherry** Easter (2004–2011).
- Cherry** A3 (2008-2015).
- Cherry** QQ6 (2006-2010).
- Cherry** Tiggo (2005-2010).



DESCRIPTION

Designed For Pulling Off The Camshaft Timing Belt Wheel And Locking Or Positioning The Engine Output Shafts, Such As The Camshaft And Crankshaft. Required For Changing The Timing Belt Or For Engine Repair.

CONTENTS

- Crankshaft TDC Locking Pin.
 - TDC Setting Screw.
 - Camshaft Sprocket Removal Tools.
 - High Pressure Pump Locking Tool.
 - 2Pce Crankshaft/Fuel Pump Alignment Pin (5.8mm).
- Crankshaft Timing Pin.
 - Flywheel Locking Pin.
 - 3 Leg Puller.

APPLICATION

- Engine Models:

 - Ford** 1.8D D/TD/TDCi Duratorq Diesel Engine “Lynx” (4 Cylinders).
 - Ford** 1.2L Zetec-S/SE Petrol Engine “Sigma / Duratec” (4 Cylinders).
 - Ford** 2.0L Zetec-E & R Petrol Engine (4 Cylinders).
- Engine Codes:

 - 1.2L** DB, DHA, DHB, DHE, FUJA, M7JA, M7JB.
 - 2.0L** 2L, EDDD, ADY, UFWA, NGA, NGB, NGD, QXBA.
 - 1.8D** BHPA, HCPA, KKDA, MOTOR, QYBA, QYWA.
- Vehicle Models:

- Ford** Cougar (1998–2002).
 - Ford** Focus (2000-2004).
 - Ford** Transit Connect (2002-2013).
 - Ford** Serra (1987-1993).

- Ford** Fiesta Mk7 (2008-2017).
 - Ford** Galaxy Mk3 (2006-2015).
 - Ford** S Max (2006-2015).
 - Ford** Modeo (2002-2007).



DESCRIPTION

This Setting And Locking Tool Kit Is Suitable For A Wide Range Of Ford Petrol & Diesel Engines. Also Suitable For Engines Fitted In Land Rover, Mazda, PSA, Suzuki And Volvo Vehicles.

CONTENTS

- 2Pce Crankshaft/HP Pump Locking Pin.
- Crankshaft Locking Pin.
- Flywheel Locking Tool - Base Plate.
- Camshaft Setting Plate.
- Tensioner Locking Pin.
- VCT Setting Plate.
- Camshaft Locking Pin.
- Crankshaft Locking Pin.
- Crankshaft Locking Pin.
- Camshaft Sprocket Remover.
- Flywheel Locking Pin.
- Crankshaft Locking Pin.
- Flywheel Locking Pin.

APPLICATION

- Engine Models:
 - Ford** 1.6L Duratec Ti-VCT Petrol Engine (4 Cylinders).
 - Ford** 1.8L / 2.0L Zetec-E & R Petrol Engine (4 Cylinders).
 - Ford** 1.25L / 1.4L / 1.6L Zetec-S/SE Duratec Petrol Engine (4 Cylinders).
 - Ford** 1.4L / 1.5L / 1.6L "Tiger" / 1.8L "Lynx" / 2.0L "Puma" Duratorq Diesel Engine (4 Cylinders).
- Engine Codes:
 - 1.25L** DHA, DHB, DHC, DHD, , DHE.
 - 1.6L** FYJC, HWDA, HWDB, HXJD, IQDA.
 - 2.0L** EDDF, HMDA, NGA, NGB, NGC, NGD, YF.
 - 1.5D** UGJC, ENUG, UGCA.
 - 1.8D** R3PA, RWPA, RWPC, RTQ, RTP.
 - 1.4L** ASDA, ASDB, FHA, FHB, FHD, FHF.
 - 1.8L** ETDD, EYDE, RKF, RKH, RKJ, EYDL.
 - 1.4D** F6JA, F6JB, F6JC, F6JD, KVJA.
 - 1.6D** G8DA, G8DB, G8DD, GPDA.
 - 2.0D** G6DD, G6DE, G6DF, G6DG, IDXA.
- Vehicle Models:
 - Ford** C-Max (2007-2012).
 - Ford** Courier (2000-2002).
 - Ford** Fiesta (1995-2012).
 - Ford** Fusion (2002-2012).
 - Ford** Grand C-Max (2010-2012).
 - Ford** Cougar (1998-2001)
 - Ford** Escort (1994-1998)
 - Ford** Focus C-Max (2003-2007)
 - Ford** Galaxy (2006-2012).
 - Ford** kuga (2008-2015).



DESCRIPTION

Includes An Updated Tool For The H.P. Pump Replacement. Includes An Additional Tool For Engine Timing Or Crankshaft Seal Replacement. Ensures Front Crankshaft Seal Is Correctly Aligned And Will Not Fail Prematurely.

CONTENTS

- Engine Cover Aligner.
- High Pressure Pump Sprocket Retaining Tool.
- Flywheel Locking pin (Black).
- 3Pce Locking Pin Set.
- Engine Cover / Crankshaft Seal Removal / Installation Tool.
- Fuel Injection Pump Sprocket Locking Tool.
- H.P. Pump Removal Tool.
- Flywheel Locking Pin (Silver).
- 2mm Tensioner Locking Pin.

APPLICATION

- Engine Models: -**Ford** 2.0D / 2.2D / 2.4D / 3.2D Duratorq Diesel Engine “Puma” (4 Cylinders).
- Engine Codes: -**2.0D** ABFA, D3FA, D5BA, D6BA, F3FA, FIFA, FMBA, HJBA, HJBB, HJBC, HJBE, N7BA, N7BB.
-**2.2D (Chain Drive H.P. Pump)** QJBA(BG), QJBB, QJBC, QJBD.
-**2.2D (Chamshaft Drive H.P. Pump)** 4HM, 4HU, 4HV, P8FA, P22DTE, QVFA, QWFA.
-**2.4D** 244DT, D0FA, D2FA, D2FB, D4FA, F4FA, FXFA, H9FA, H9FB, HEFA, HFFA, JXFA, PHFA, ZSD 424.
-**3.2D** SAFA (Engine Tlming Only).
- Vehicle Models: -**Citroën** Relay (2006-2011).
-**Fiat** Ducato (2006-2011).
-**Ford** Transit (2000-2011).
-**Land Rover** Defender (2007-2011).
-**Peugeot** Boxer III (2006-2011).
-**Citroën** Jumper III.
-**Ford** Mondeo (2000-2007).
-**Jaguar** X-Type (2001-2010).
-**LDV** Convoy (2002-2006).
- Fuel Injection Pump Sprocket Locking Tool:
2.2L Duratorq-TDCi (Global Puma) Stage V Diesel: (303) Engine: (3) Power Train: 2006.5 (04/2006-) : Transit.
3.2L Duratorq-TDCi (Puma) Diesel: (303) Engine: (3) Power Train: 2006.5 (04/2006-) : Transit.
2.2L/3.2L Duratorq-TDCi (Puma) Diesel: (303) Engine: (3) Power Train: 2012.00 (04/2011-) : Ranger.



DESCRIPTION

Developed For The Chain Drive 2.2L Common Rail Diesel Engine, Fitted In Ford Transit. The Kit Consists Of The Component Required To Lock The Crankshaft And Cam Sprockets In The Timed Position To Allow The Removal And Replacement Of The Cam Chain And The Associated Components.

CONTENTS

- Crankshaft Sprocket Locking Tool.
- 2Pce 6mm Camshaft Timing Pin.
- Crankshaft (Flywheel End) Alignment Pin.

APPLICATION

- Engine Models: -**Ford** 2.2D Duratorq Diesel Engine "Puma" (4 Cylinders).
- Engine Codes: -**2.2D (TDCi)**P8FA, P8FB, QVFA, QWFA.
- Vehicle Models: -**Ford** Transit (-2006).



DESCRIPTION

Introduced in 2011. The Ford 1.0L Turbo, 3 Cylinder, EcoBoost (SCTi) Petrol Engine, Fits In The Fox Family Of Ford Car And Light Commercial Vehicles. The Engine Features A Wet Timing Belt (Belt In Oil) That Runs Between The Crankshaft And The Twin Camshaft VVT Sprocket. The Timing Belt Is A Conventional Arrangement, The Exception Is Being That The Belt Is Encased In The Engine And Runs In Oil In A Similar Set Up As A Chain Engine.

CONTENTS

- Camshaft Locking Tool Set.
 - Crankshaft Setting Pin.
 - Tensioner Locking Pin.
- Camshaft VVT Adjustment Tool Set
 - Flywheel Locking Tool.
 - Crankshaft Pulley Positioning Pin.

APPLICATION

- Engine Models:
- Ford** 1.0L EcoBoost Petrol Engine “Fox” (3 Cylinders).
- Engine Codes:
- 1.0L** M1DA, P4JA, XMJA, M1JA, P4JB, XMJB, M2DA, SFJA, M2GA, SFJB.
- Vehicle Models:
- Ford** Focus (2012-).
 - Ford** B-Max (2012-).
 - Ford** Fiesta (2013-).
 - Ford** Mondeo (2013-).

- Ford** C-Max (2012-).
 - Ford** B-Max (2012-).
 - Ford** EcoSport (2013-).
 - Ford** Transit Courier (2014-).



DESCRIPTION

This Setting And Locking Kit Covers The Engines Fitted In A Large Range Of Ford, Volvo And Some Mazda Vehicles. This Time Saving Tool, Correctly Aligns The Timing Cover On Ford And Volvo Engines And The Crankshaft Pulley Holder For Mazda Engines.

CONTENTS

- Camshaft Alignment Plate.
- Cam Phaser Alignment Tool (To Time Variable Valve Timing).
- 3Pce Crankshaft Alignment Fixture.
- Crankshaft Timing Pin (Inserted On Side Of Engine Block).

APPLICATION

•Engine Models:

-**Ford** 1.6L / 2.0L EcoBoost SCTi / GTDi Petrol Engine (4 Cylinders).

•Engine Codes:

-**1.6L** B4164T, B4164T2, B4164T3, HXDA, HXDB, HXJA, HXJB, IQDA, IQDB, IQJA, JQDA, JQDB, JQGA, JQMA, JQMB, JTDA, JTDB, JTJA, JTMA, JTWB, MUDA, PNDA, RVJA, SIDA, U5JA, XTDA.

-**2.0L** B4204T6, B4204T7, B4204T7 (MZRDIDSI), MGDA, MZR 2.0 (LF), R9DA, TNBA, TNBB, TNWA, TNWA, TPBA, TPWA, ZQDA .

•Vehicles Models:

-**Ford** Fiesta (2008-2015).
 -**Ford** C-Max (2003-2007).
 -**Ford** C-Max (2010-2015).
 -**Ford** Focus (2011-2015).
 -**Ford** S-Max (2010-2015).
 -**Ford** Kuga (2013-2015).
 -**Ford** Tourneo Connect (2013-2015).
 -**Mazda** 6(GH) (2010-2013).
 -**Volvo** S80 (2011-2016).
 -**Volvo** V60(2011-2015).

-**Ford** B-Max (2012-2015).
 -**Ford** C-Max (2007-2010).
 -**Ford** Focus (2004-2011).
 -**Ford** Grand C-Max (2010-2015).
 -**Ford** Galaxy (2010-2015).
 -**Ford** Transit Connect (2013-2015).
 -**Mazda** 5 (CW) (2010-2015).
 -**Volvo** S60 (2011-2018).
 -**Volvo** V40 (2001-2003).
 -**Volvo** V70 (1997-2000).



DESCRIPTION

The Comprehensive The Setting And Locking Kit Covers The Engine, Which Has Fitted To A Large Range Of Ford, Volvo And Some Mazda Vehicle. Contain The Time Saving Tool Correctly Align The Timing Cover On Ford And Volvo Engines And The Crankshaft Pulley Holder For Mazda Engine.

CONTENTS

- Crankshaft Locking Tool.
 - Camshaft Alignment Plate.
 - 2mm Tensioner Pin.
- Camshaft Alignment Plate.
 - Crankshaft Position Sensor Alignment Tool.

APPLICATION

- Engine Models: -**Ford** 2.0L EcoBoost SCTi / Ti-VCT / GTDi Petrol Engine (4 Cylinders).
 - Engine Codes: -**2.0L** TNWA, TNWB, TNBA, TPWA, MGDA, XQDA.
 - Vehicle Models: -**Ford** Galaxy (2010) . -**Ford** Mondeo (2010).
-**Ford** S Max (2010). -**Ford** Focus (2011).



DESCRIPTION

Make Sure The Camshaft Is Aligned To Play A Timing Role During The Removal And Installation Of The Belt-Driven Timing Chain.

CONTENTS

- Camshaft Locking Tool.
- Balance Shaft Alignment tool.
- Flywheel Locking Tool.
- Scissor Gear Locking Tool.

APPLICATION

- Engine Models: -**Ford** 1.5L Duratec/Dragon/Ti-VCT Petrol Engine (3 Cylinders).
- Engine Codes: -**1.5L** YZDA.
- Vehicle Models: -**Ford** Escape (2020-).
-**Ford** Focus (2018-).
-**Ford** EcoSport (2018-2019).
-**Ford** Fiesta (2018-).



DESCRIPTION

Camshaft And Crankshaft Alignment Tools For Ford 1.25, 1.4, 1.6 16V, 1.5 and 1.6 TI-VCT

CONTENTS

- Timing Pin.
 - Crankshaft Locking Tool.
 - Camshaft Sprocket Locking Tool.
- Tensioner Pulley Locking Pin.
 - Alignment Plate.

APPLICATION

- Engine Models:

-**Ford** 1.25, 1.4, 1.6 16V Duratec Petrol Engine (4 Cylinders).
-**Ford** 1.5 & 1.6L Duratec Ti-VCT Petrol Engine (4 Cylinders).
- Engine Codes:

-**1.2L Ti-VCT** B2KA, YSKD, YSKE.
-**1.5L Ti-VCT** ENUE, UEJB, UEJE.
-**1.6L Ti-VCT** HXDA, HXDB, HXJA, HXJB, HXJE, IQDA, IQDB, IQDC, IQJA, IQJC, IQJE, KGBA, MUDA, MUDD, PNBA, PNDA, PNDD, RHBA, RVJA, SIDA, U5JA, XTDA, XTDB.
-**1.25L 16V** DHA, DHB, DHC, DHD, DHE, DHF, DHG, FUJA, FUJB, M7JA, M7JB, SNJA,SNJB, SNJC, SNJD, STJA, STJB, STJC.
-**1.4L 16V** ASDA, ASDB, FHA, FHD, FHE, FHF, FXDA, FXDB, FXDC, FXDD, FXJA, FXJB, FXJC,RTJA, RTJB, RTJC, SPJA, SPJC, SPJD, SPJE, UYJA.
-**1.6L 16V** FYDA, FYDB, FYDC, FYDD, FYDH, FYJA, FYJB, FYJC, HWDA, HWDB, L1T, L1V, L1W, SHDA, SHDB, SHDC.
- Vehicle Models:

-**Ford** B-MAX (2012-2018).
-**Ford** EcoSport (2013-2018).
-**Ford** Focus/ Focus C-MAX (1998-2018).
-**Ford** KA+ (2016-2018).
-**Ford** Puma (1997-2002).

-**Ford** C-MAX/Grand C-MAX (2007-2015).
-**Ford** Fiesta (1995- 018).
-**Ford** Fusion(2002-2012).
-**Ford** Mondeo IV (2007-2015).



DESCRIPTION

Contains The Essential Tools Required For Replacing The Cylinder Head Gasket, Timing Belt And Checking The Engine Timing, On Engines Fitted In Vehicles Manufactured By The FCA Group (Fiat Chrysler Automobiles).

CONTENTS

- | | |
|---------------------------|--------------------------------|
| •Camshaft Alignment Tool. | •Crankshaft Alignment Tool. |
| •Flywheel Locking Tool. | •Flywheel Locking Tool. |
| •Tensioning Tool. | •TDC Positioning Tool. |
| •8mm Crank Setting Pin. | •Tension Adjustment Wrench. |
| •Timing Pump Locking Pin. | •2Pce Piston Height Adaptor. |
| •M8x40mm Locking Bolt. | •8Pce Crankshaft Locking Bolt. |
| •Tensioner Adjuster. | •Flywheel Locking Tool. |
| •Locking Tool Set | |
| -2Pce Bronze. | -2Pce Blue. |
| | -2Pce Silver. |

APPLICATION

•Engine Models:

- Fiat** 1.2L / 1.4L 16V Petrol Engine "Super-FIRE" (4 Cylinders With DOHC).
- Fiat** 1.6L / 1.8L 16V Petrol Engine "Family B" (4 Cylinders With DOHC).
- Fiat** 1.9D/TD/JTD Diesel Engine "JTD" (4 Cylinders).
- Fiat** 2.4TD/JTD Diesel Engine "JTD" (5 Cylinders).

•Engine Codes:

- | | |
|-----------------------------------|-----------------------------------|
| - 1.2L 182B2000, 188A5000. | - 1.4L 192B2000, 198A4000. |
| - 1.6L 182B6000. | - 1.8L 183A1000. |
| - 1.9D 182A7000, 182A8000. | - 2.4D 939A3000. |

•Vehicle Models:

- | | |
|---|--|
| - Fiat Brava/Bravo 182 (1998-2001). | - Fiat Palio Weekend 178 (2002-2003). |
| - Fiat Grande Punto 199 (2007-2009). | - Fiat Bravo II (2007-2010). |
| - Fiat Multipla 186 (2001-2010). | - Fiat Stilo 192 (2001-2007). |
| - Fiat Barchetta 183 (1995-2005). | - Fiat Coupe FA/175 (1996-2001). |
| - Fiat Marea 185 (1999-2000). | - Fiat Marea 185 (1996-1999). |



DESCRIPTION

Locks The Camshaft And Crankshaft In Place While Changing The Timing Belt And Performing Other Repairs On Fiat Engines. Comes With An Additional Sprocket Locking Tool And Alignment Fixture For The Camshaft On A 1.4 VVT Engine. May Be Used On Vehicles Manufactured By The FCA Group (Fiat Chrysler Automobiles).

CONTENTS

- Camshaft Setting Plate For 1.3 Engines.
 - Sprocket Locking Tool For 1.4L VVT Engines.
 - Crankshaft Locking Tool.
 - 3Pce M8x16mm Cap Screw With Washers.
 - 2Pce M6x35mm Hex Cap Screw With Washers
- Belt Tensioner Adjuster For 1.3 Engines.
 - Alignment Fixture For 1.4VVT Engines.
 - 1Pce M6x30mm Hex Cap Screw With Washers.
 - 2Pce M6x20mm Hex Cap Screw With Washers.
 - 1Pce M6 Nut.

APPLICATION

- Engine Models:

 - Fiat** 1.2L / 1.4L 8V Petrol Engine “FIRE” (4 Cylinders).
 - Fiat** 1.4L 16V Petrol Engine “Super-FIRE” (4 Cylinders).
- Engine Codes:

 - 1.2L 8V** 169A4.000, 188A4.000(EVO2 Only), 199A4.000.
 - 1.4L 8V** 199A7.000.
 - 1.4L 16V** 350A1.000.
- Vehicle Models:

- Fiat** 500 (2007-2008).
 - Fiat** Doblo/Cargo (2005-2008).
 - Fiat** Grande Punto (2007-2012).
 - Ford** Ka (2009-2012).
 - Lancia** Musa (2005-2012).

- Fiat** Idea (2004-2008).
 - Fiat** Panda EVO2 (2005-2008).
 - Fiat** Linea (2007-2008).
 - Lancia** Ypsilon (2006-2011).



DESCRIPTION

Used For Timing 2.2D / 2.3D / 3.0D Belt And Chain Drive Engines Usually Found In Light Commercial Vehicles. These Engines Are Also Found In The Ford Transit. The Tool Set Is Made Of High Quality Material And It Is Hardened And Tempered For Maximum Durability And Strength.

CONTENTS

- Camshaft Locking Pin.
- 2Pce Camshaft Timing Pins.
- Flywheel Locking Tool.
- Crankshaft Turning Tool.
- Oil Pump Setting Plate.
- Balancer Shaft Locking Screw.
- Crankshaft Timing Pin.
- Water Sensor Installation Socket.
- Timing Cover Centring Plate.

APPLICATION

- Engine Models:
 - PSA** 2.2D/HDI-4H/4HV Diesel Engine "DW12" (4 Cylinders).
 - Fiat** 2.3D / 3.0D Diesel Engines "Multijet" (4 Cylinders).
- Engine Codes:
 - 2.3D** F1AE0481C, F1AE0481D, F1AE0481N, F1AE3481E F1AE0481A, F1AE0481B, F1AE0481F, F1AE0481FA, F1AE0481G, F1AE0481GA, F1AE0481H, F1AE0481HA, F1AE0481R, F1AE0481RA, F1AE0481UA, F1AE0481VA.
 - 3.0D** F1CE0481D, F1CE3481E, FCE13481M, F1CE3481N, F1CE0481A, F1CE0481B, F1CE0481F, F1CE0481H.
- Vehicle Models:
 - Citroën** Relay (2006-2012)
 - Fiat** Ducato (2002-2013).
 - Iveco** Daily (2009-2011).
 - Peugeot** Boxer III (2006-2012).
 - Citroën** Jumper III (2006-2012).
 - Iveco** Daily (2003-2010).
 - Iveco** EcoDaily (2009-2011).



DESCRIPTION

Used To Lock Camshafts And Crankshaft In Position When Setting Engine Timing.

CONTENTS

- Crankshaft Locking Tool
 - Diesel Pump Locking Tool.
- Exhaust Camshaft Locking Tool.

APPLICATION

- Engine Models: -**FCA** 2.8D CRD Diesel Engine (4 Cylinders).
 - Engine Codes: -**2.8D** ENS(15C), VM64C, VM51C, VM52C, VM10D, VM11D.
 - Vehicle Models: -**Chrysler** Voyager (2008-2011).
-**Jeep** Wrangler (2007-2018).
-**Holden** Colorado.
- Jeep** Cherokee (2008-2011).
-**Dodge** Nitro (2007-2011).



DESCRIPTION

Designed To Lock The Camshafts And Crankshaft In Their Timed Position For Engine Rebuilds And Timing Chain Replacement On The Land Rover 3.6 Tdv8 Diesel Engine.

CONTENTS

- Camshaft Alignment Tool.
- Flywheel Locking Plate.
- Crankshaft Timing Pin.
- 2x2 Bolts.
- Camshaft Rotating Pin.

APPLICATION

- Engine Models: -**Land Rover** 3.6D TDV8 Diesel Engine (8 Cylinders).
- Engine Codes: -**3.6L** 368DT.
- Vehicle Models: -**Land Rover** Range Rover (2006-2011). -**Land Rover** Range Rover Sport (2006-2011)



DESCRIPTION

This Retaining Device Makes It Possible To Position The Camshaft In The Installed Position. Retain Timing Chain With Camshaft Sprockets In Mesh.
For Drawing In The Timing Chain. Retains Timing Chain With Camshaft Sprockets In Proper Timing Position.
Makes It Possible To Position The Camshafts In The Installed Position.
Makes It Possible To Slacken And Tighten The Bolts Attaching The Camshaft Gear.
It Is To Install The Plug Into The Timing Case Cover (Access To Chain Tensioner).
It Is For Unloading The Timing Chain Tensioning Device. Release The Timing Chain.

CONTENTS

- Timing Chain Retainer.
 - Chain Tensioner Drift.
- Camshaft Retainer.
 - Timing Tensioner Drift.

APPLICATION

- Engine Model:
- Mercedes Benz** 1.6L / 1.8L Petrol Engine "M271" (4 Cylinders).
- Engine Codes:
- 1.6L** KE16ML,
 - 1.8L** DE18LA, DE18ML, KE18ML
- Vehicle Model:
- Mercedes-Benz** C-Class (W203)
 - Mercedes-Benz** C-Class Sportcoupé
 - Mercedes-Benz** CLK-Class (W209)
 - Mercedes-Benz** E-Class (W211)
 - Mercedes-Benz** SLK-Class (R171)
- Mercedes-Benz** C-Class (W204)
 - Mercedes-Benz** CLC-Class
 - Mercedes-Benz** E-Class (C207)
 - Mercedes-Benz** E-Class (W212)
 - Mercedes-Benz** SLK-Class (R172)



DESCRIPTION

Used To Lock And Hold The Camshaft And Balance Shaft In The Timed Position.
Also For Turning, Installing, And Removing The Crankshaft Pulley.

CONTENTS

- 1Pce Crankshaft Pulley Holding Tool.
- 1Pce Balance Shaft Locking Forks & Locking Bar Assembly.
- 1Pce Camshaft Alignment Plate.

APPLICATION

- Engine Model: -**Mercedes Benz** 1.8D / 2.1D / 2.2D / CDI Diesel Engines "OM651" (4 Cylinders).
- Engine Codes:
 - 1.8D** 651901.
 - 2.1D** 651930, 651921, 651960, 651913, 651916, 651912, 651961, 651980, 6519, 651956, 651955, 651957, 651950, 651940, 651910, 651911, 651924, 651925, 651922, 651911, 651924.
 - 2.2D** 651925, ENE (651925).
- Vehicle Model:
 - Mercedes-Benz** A180 (2012-2014).
 - Mercedes-Benz** B180 (2013-).
 - Mercedes-Benz** E220 (2010-2011).
 - Mercedes-Benz** CLS220 (2014-2017).
 - Mercedes-Benz** Sprinter 210 (2014-).
 - Mercedes-Benz** A200 (2012-2014).
 - Mercedes-Benz** B220 (2014-).
 - Mercedes-Benz** E250 (2009-2017).
 - Mercedes-Benz** CLS250 (2011-2014).
 - Mercedes-Benz** Sprinter 510 (2014-).



DESCRIPTION

Timing Chain Mounting Tool Set For Mercedes-Benz M651 Engines. Specially Designed For Aligning The Camshaft, Loosening/Inserting The Sprocket And Rotating The Crankshaft.

CONTENTS

- Crankshaft Turning Tool.
 - Timing Chain Guide Tool.
 - Camshaft Special Wrench.
- Camshaft Adjusting Tool.
 - Sprocket Feet Shaft.
 - Screws For Timing Chain Guide Tool & Chain Sprocket Feet Shaft.

APPLICATION

- Engine Model:

-**Mercedes Benz** 1.8D / 2.1D / 2.2D / CDI Diesel Engines “OM651” (4 Cylinders).
(Includes BlueTec And BlueEFFICIENT Models).
- Engine Codes:

-**1.8D** 651901.
-**2.1D** 651900, 651911, 651912, 651913, 651924, 651930.
-**2.2D** 651, 651900, 651911, 651913, 651921, 651924, 651925, 651930, 651940, 651950, 651955, 651956, 651957, 65191130, 65192430, 65192531, 65193032, 65194031, 65195530, 65195531, 65195532, 65195533, 65195534, 65195630.
- Vehicle Model:

- Mercedes-Benz** A-Class 2012-2014
 - Mercedes-Benz** A-Class 2012-2014
 - Mercedes-Benz** A-Class 2014-2018
 - Mercedes-Benz** C-Class 2009-2013
 - Mercedes-Benz** C-Class 2013-2014
 - Mercedes-Benz** CLA-Class 2013-2014
 - Mercedes-Benz** E-Class 2009-2013
 - Mercedes-Benz** E-Class 2014-
 - Mercedes-Benz** GLK-Class 2010-
 - Mercedes-Benz** Sprinter 2009-
 - Mercedes-Benz** Sprinter 2013-
 - Mercedes-Benz** Vito 2010-
 - Mercedes-Benz** Vito 2014-

- Mercedes-Benz** A-Class 2012-2014
 - Mercedes-Benz** A-Class 2014-2018
 - Mercedes-Benz** B-Class 2014-2015
 - Mercedes-Benz** C-Class 2010-1013
 - Mercedes-Benz** C-Class 2013-2014
 - Mercedes-Benz** CLA-Class 2014-2015
 - Mercedes-Benz** E-Class 2013-1014
 - Mercedes-Benz** GLA-Class 2013-2015
 - Mercedes-Benz** Sprinter 2009-
 - Mercedes-Benz** Sprinter 2013-
 - Mercedes-Benz** Viano 2010-
 - Mercedes-Benz** Vito 2010-



DESCRIPTION

Specifically Designed For Vehicles With Chain Driven 1.6/2.0 Direct Injection Petrol Engines. These Engines Are Found In The Late A, B, CLA, C and E Class Vehicles. Due To The Type Of Construction Used On These Engines The Crmshaft Needs To Be Clamped In Place To Allow Dismantling and Assemble Of The Camshafts.

CONTENTS

- Camshaft Clamping Assembly(Chain & Gearbox Ends.
 - Small Diameter Camshaft Blocks.
- Securing Bit Socket.
 - Camshaft Clamping Assembly (TDC Position).

APPLICATION

- Engine Models:
 - Mercedes Benz** 1.6L Petrol Engine “M270/M274” (4 Cylinders).
 - Mercedes Benz** 2.0L Petrol Engine “M133” (4 Cylinders).
 - Engine Codes:
 - 1.6L** 270.910A, 274.910B.
 - 2.0L** 133.980A, 274920, 27492030.
 - Vehicle Models:
 - Mercedes-Benz** A180 (2012–2018).
 - Mercedes-Benz** A45 AMG (Facelift) (2015-2018).
 - Mercedes-Benz** B200 (2011-).
 - Mercedes-Benz** C180 (2012-2015).
 - Mercedes-Benz** 45 AMG (2015-2018).
 - Mercedes-Benz** E200 (2016-2019).
 - Mercedes-Benz** A45 AMG (2013–2015).
 - Mercedes-Benz** B180 (2011-).
 - Mercedes-Benz** C180 (2012-).
 - Mercedes-Benz** 45 AMG (2013-2015).
 - Mercedes-Benz** E180 (2017-2020).



DESCRIPTION

Fixing Of The Camshaft To Loosen Or Tighten The Mounting Bolts For The Camshaft Sprocket.
And Used To Hold The Flywheel Gear For Removing And Installing The Crankshaft Pulley Centre Bolt

CONTENTS

- Tie-Down Sets.
- Flywheel Locking Tool
- Balance Shaft Tool.
- Counterholders.

APPLICATION

- Engine Models:
- Mercedes Benz 1.8D / 2.1D / 2.2D / CDI Diesel Engines “OM651” (4 Cylinders).
- Engine Codes:
- 1.8D 651901.
-2.1D 651900, 651911, 651912, 651913, 651924, 651930.
-2.2D 651, 651900, 651911, 651913, 651921, 651924, 651925, 651930, 651940, 651950, 651955, 651956, 651957, 65191130, 65192430, 65192531, 65193032, 65194031, 65195530, 65195531, 65195532, 65195533, 65195534, 65195630.
- Vehicle Models:
- Mercedes Benz E-Class Coupe (2009-2017).
-Mercedes Benz E-Class Cabriolet (2009-2017)
-Mercedes Benz GLC (2016-2017).
-Mercedes Benz GLE (2015-2017).
-Mercedes Benz M-Class (2011-2016).
-Mercedes Benz SLC (2016-2017).
-Mercedes Benz (2012-2016).
-Mercedes Benz Valente (2015-2017).
-Mercedes Benz Viano (2010-2014).
-Mercedes Benz A-Class (2012-2017).
-Mercedes Benz C-Class Coupe (2009-2017).
-Mercedes Benz C-Class Cabriolet (2009-2017).
-Mercedes Benz GLA (2014-2017).
-Mercedes Benz GLC (2015-2017).
-Mercedes Benz Coupe (2016-2017).
-Mercedes Benz GLK (2008-2015).
-Mercedes Benz S-Class (2010-2017).
-Mercedes Benz SLK (2012-1016).
-Mercedes Benz Sprinter (2009-2017).
-Mercedes Benz V-Class (2014-2017).
-Mercedes Benz Vito (2010-2016).
-Mercedes Benz B-Class (2012-2017).
-Mercedes Benz CLA Coupe (2013-2017).
-Mercedes Benz CLS (2011-2017).



DESCRIPTION

This Comprehensive Set Of Tools Enables The Correct Timing Position To Be Achieved On Both Camshaft And Crankshaft Whilst Replacing The Timing Belt On Petrol Engines.

CONTENTS

- Camshaft Sprocket Locking Plate.
 - Engine Support Bracket.
 - M12x60mm Bolt And C/W Washer.
- Crankshaft Pulley Installer.
 - 2Pce M12x20mm Bolts And C/W Washers.

APPLICATION

- Engine Model:
 - BMW / Tritec Motors** 1.6L Tritec Petrol Engine (4 Cylinders).
 - BMW / Tritec Motors** 1.6L Tritec Supercharged Petrol Engine (4 Cylinders).
 - Engine Codes:
 - 1.6L** W10B16AA, W10B16BA, W11B16AA. & EJD.
 - Vehicle Models:
 - Mini** One (2001-2006).
 - Mini** Cooper S (2002-2006).
 - Mini** Cooper (2001-2006).
 - Chrysler** PT Cruiser(2001-2009).



DESCRIPTION

Needed For Repacing The Cylinder Head Sealing And Motor Timing. Suitable For Timing 1.4, 1.6 & 16v Valvetronic Direct Injection And Chain Drive Petrol Engines, Fits Mini, Peugeot And Citroën Vehicles.

CONTENTS

- Flywheel Locking Pin.
- Inlet Camshaft Setting Plate (N12 / EP3 / EP6).
- Inlet Camshaft Setting Plate Assembly (N14 / EP6D1 / DTS).
- Exhaust Camshaft Setting Tool.
- Chain Tensioner Pre-Load Tool.

APPLICATION

- Engine Models: -**PSA** 1.4L / 1.6L VTi & THP Petrol Engine "Prince" / "BMW N12" (4 Cylinders).
- Engine Codes: -**1.4L** N12B14, N12B14AB.
-**1.6L** EP3 (8FS), EP3C (8FE), EP6 (5FW), EP6C (5FS), EP6CDT (FV), EP6DT (5FT), EP6DT (5FX), EP6DTS (5FY), N14B16A, N14B16CD, N14B16T0, N14B16CD/T0, N16B16A, N16B16K0, N16B16A/M0, N16B16A/MO, N16B16M0, N16B16U0.
- Vehicle Models: -**Mini** Clubman R55 (2010-2014).
-**Mini** Clubvan R55 (2012-2014).
-**Mini** Cooper R55 (2006-2010).
-**Mini** Cooper S R55/R56 (2006-2010).
-**Mini** Countryman R60 (2010-2016).
-**Mini** One R56 (2007-2010).
-**Mini** R56/R57 (2007-2015).
-**Mini** Roadster R61 (2013-2015).
-**Citroën** C4 Picasso (2008-2009).
-**Peugeot** 207CC (2007-2009).
-**Mini** Clubman R60 (2010-2014).
-**Mini** Clubvan R60 (2012-2014).
-**Mini** Cooper R56 (2007-2010).
-**Mini** Countryman R55 (2007-2010).
-**Mini** Coupe R58 (2011-2015).
-**Mini** Paceman R61 (2013-2016).
-**Mini** Roadster R59 (2012-2015).
-**Citroën** C4 (2008-2009).
-**Peugeot** 207 (2006-2009).
-**Peugeot** 308 (2001-2009).



DESCRIPTION

The TTK-MZ01 Maintains Engine Timing, When Replacing The Timing Belt Or When Any Other Service is Performed On A Ford Duratorq Diesel Engine And A Mazda Y4 (1.4L MZ-CD) Or Y6 (1.6 MZ-CD) Diesel Engine. Suitable For Use On Most Recent Cars With HDi Diesel Engines.

CONTENTS

- Injection Pump Timing Pin.
- Crankshaft Locking Tool.
- Injection Pump Setting Pin 15.4mm.
- Camshaft Sprocket Locking Pin.
- Alignment Tool.
- 3Pce Crankshaft Timing Pins.
- 1Pce 9mm Setting Pin.
- Flywheel Locking Tool.
- Camshaft Setting Strap.
- Flywheel Locking Pins.
- Tensioner Locking Tool.
- Crankshaft Setting Bracket.
- Crankshaft / Fuel Pump Alignment Pin.
- Camshaft Locking Plate.
- Flywheel Locking Pins.
- 1Pce 8.25mm Setting Pin.
- 1Pce 12.7mm Setting Pin.
- Shim Set.
- Injection Pump Setting Pin & 6mm Washer.

APPLICATION

- Engine Models:
 - Mazda** Y4(1.4L MZ-CD) / Y6 (1.6L MZ-CD) Diesel Engine (4 Cylinders).
 - Mazda** 1.8L / 2.0L / 2.3L L-Series Petrol Engine "Duratec" (4 Cylinders).
 - Ford** 1.4L / 1.6L "Tiger" / 1.8L "Lynx" / 2.0L "Puma" Duratorq Diesel Engine (4 Cylinders).
- Engine Codes:
 - 1.4D** F6JA, F6JB, F6JB, F6JC.
 - 1.8D** RTA, RTE, RTN, RTQ, BHDA/B.
 - 2.0D** G6DA, AZWA, G6DB, QXWA.
 - 1.4L** ASDA, ASDB, FHD, FHE, FXJB.
 - 1.8L** EYDB, EYDC, EYDG, RKH, RKJ.
 - 1.6D** LTA, LTB, LTC, HHJA, HHJB, G8DA.
 - 1.9D** 1Z, AFN, AHU, AVG.
 - 2.5D** 4FA, 4FB, 4FC, 4GB, 4GF, 4HA, 4HD.
 - 1.6L** FYDA/C, FYDB/D, FYJB, L1FL1J, L1N.
 - 2.0L** EDBA/C, EDBB, Eddb, ALDA, AODA.
- Vehicle Models:
 - Ford** Mondeo(2003-2007)
 - Mazda** 2 DE (2008-2014)
 - Mazda** 3 (2009-2013)
 - Mazda** 6 (2005-2007)
 - Mazda** CX-7 (2007-2012)
 - Mazda** 2 DY (2002-2007)
 - Mazda** 3 (2006-2009)
 - Mazda** 5 (2010-2013)
 - Mazda** 6 (2010-2013)



DESCRIPTION

The TTK-OP01, Locks The Camshaft And Crankshaft, This Maintains Engine Timing Whilst The Machanic Changes The Timing Belt. Suitable For Identical Engines Saab, Renault, Etc.

CONTENTS

- Timing Adjustment Fixture-Bracket.
 - Injection Pump Locking Pin.
 - Camshaft Setting Plate.
 - Chain Tensioner Locking Pin.
 - Flywheel Pin.
 - Crankshaft Alignment Tool.
 - Twin Camshaft Locking Tool (Blue)
 - Crankshaft Locking Pin.
 - Camshaft Setting Tool.
- Timing Adjustment Fixture-Wrench.
 - Crankshaft Locking Pin.
 - Camshaft Sensor Alignment Fixture.
 - Camshaft Setting Tool.
 - Tensioner Locking Pin.
 - Camshaft Alignment Tool.
 - Twin Camshaft Tool (Gold)
 - Flywheel Locking Tool.
 - Timing Adjustment Fixture-Retain Screw.

APPLICATION

- Engine Models:

 - GM / Opel** 1.0L 12V / 1.2L 16V Family 0 Petrol Engines "ECOTec" (3 & 4 Cylinders).
 - GM / Opel** 1.4L / 1.6L / 1.8L 16V Family 1 Petrol Engines "E-Tec" (4 Cylinders).
 - FCA / Opel** 1.3D / 1.9D / 2.0D / 2.2D CDTi Family B Diesel Engines "JTD" (4 Cylinders).
- Engine Codes:

- 1.0L** A10XEP, Z10XEP.
 - 1.4L** 14NV, C14SE, X14YFH.
 - 1.8L** N18XFH, X18XE1, Z18XE.
 - 2.2D** C22NE, 22LE.

- 1.2L** A12XEL, Z12XEP.
 - 1.6L** C16NZ, E16SE, G16SF, L91.
 - 2.0D** 20NE, 20SE, C20NE.
- Vehicle Models

- Chevrolet** Aveo (2012-).
 - Opel** Astra (2004-2009).
 - Opel** Corsa (2000-2006).
 - Opel** Omega (1999-2003).
 - Opel** Speedster (2001-2005).
 - Opel** Vectra (2002-2008).

- Opel** Agila (2008-2010).
 - Opel** Combo-C (2001-2011).
 - Opel** Frontera (1998--2004).
 - Opel** Sintra (1996-1999).
 - Opel** Tigra (1994-2001).
 - Opel** Zafira (1999-2005).



DESCRIPTION

The TTK-OP02 Locks The Camshaft And Crankshaft, This Maintains Engine Timing Whilst The Mechanic, Services The Fuel Injection Pumps, Water Pumps And Timing Belt. Suitable For Identical Engines In Saab Renault, Etc.

CONTENTS

- Camshaft Locking Tool.
- Tensioner Locking Pin.
- Timing Adjustment Fixture-Bracket.
- Injection Pump Locking Pin.
- Camshaft Setting Tool.
- Camshaft Alignment Tool (2).
- Tensioner Locking Pin.
- Camshaft Alignment Tool (2).
- Camshaft Sensor Alignment Fixture.
- Twin Camshaft Locking Tool (Gold).
- Crankshaft Locking Pin.
- Coolant Pump Sprocket Retainer (2.2L Chain Drive).
- 3Pce M6x30 Screws.
- Timing Adjustment Fixture-Wrench.
- Crankshaft Locking Pin.
- Crankshaft Alignment Tool.
- Crankshaft Alignment Pin c/w Retention Spring.
- Tensioning Pin.
- Camshaft Setting Plate.
- Twin Camshaft Locking Tool (Blue).
- Flywheel Locking Tool.

APPLICATION

- Engine Models:
 - FCA / Opel** 1.3D / 1.9D / 2.0D / 2.2D CDTi Family B Diesel Engines "JTD" (4 Cylinders).
 - GM / Opel** 2.0D / 2.2D Family Z Diesel Engine (4 Cylinders).
- Engine Codes:
 - 1.3D** Z13DT, Z13DTJ, A13DTE.
 - 1.9D** Z19DT, Z19DTH, Z19DTL
 - 2.0D** X20DTL, Y20DTH, Y20DTL.
 - 2.2D** Y22DTR
- Vehicle Models:
 - Chevrolet** Cruze (2008-2016).
 - Opel** Agila (2000-2007).
 - Opel** Astra (2004-2009).
 - Opel** Corsa (2000-2006).
 - Opel** Meriva (2003-2010).
 - Opel** Tigra (2004-2009).
 - Opel** Vectra (2002-2008).
 - Opel** Zafira (2005-2014).



DESCRIPTION

Includes Important Tools For Changing The Timing Chain And Other Jobs On The Valve Train, Working On The Intake And Exhaust Camshafts, Fixing The Crankshaft.

CONTENTS

- 1Pce Camshaft Setting Plate.
 - 1Pce Camshaft Sensor Alignment Fixture.
 - 1Pce Auxiliary Belt Tensioner Locking Pin.
- 1Pce Crankshaft Locking Pin.
 - 1Pce Chain Tensioner Retaining Pin.

APPLICATION

- Engine Models:

-**GM / Opel:** 1.0L / 1.2L / 1.4L GM Family 0 Petrol Engines "EcoTec/EcoFlex (3 & 4 Cylinders).
- Engine Codes:

1.0L (Ecoflex)X10XE, Z10XE, Z10XEP.
1.2LX12XE, Z12XE, Z12XEP.
1.4L (Ecoflex)Z14XEL, Z14XEP.
- Vehicle Models:

- Opel** Agila (2000-2008).
 - Opel** Astra G Classic II (2003-2010).
 - Opel** Combo (2004-2012).
 - Opel** Corsa-C (2000-2007).
 - Opel** Meriva-A (2004-2010).
 - Suzuki** Wagon R (2005-2008).

- Opel** Astra-G (1998-2006).
 - Opel** Astra-H (2004-2011).
 - Opel** Corsa-B (1997-2000).
 - Opel** Corsa-D (2006-2012).
 - Opel** Tiger-B (2004-2010).



DESCRIPTION

The TTK-OP04 Maintains Timing On, Alfa Romeo, Chevrolet, Fiat, SAAB & Vauxhall/Opel, With 1.4L / 1.6L / 1.8L Petrol Engines, Which Use a Twin Port - Belt Drive. Whilst Engine Timing Is Maintained, The Machanic May Service The Engine.

CONTENTS

- Camshaft Setting Plate.
- Timing Belt Tensioner Locking Pin.
- Auxiliary Belt Tensioner Locking Pin.
- Camshaft Sprocket Locking Tool.
- Flywheel Holding Tool.
- Flywheel Holding Tool.

APPLICATION

- Engine Models: -**GM / Opel** 1.4L / 1.6L / 1.8 Family 1 Petrol Engines (4 Cylinders).
- Engine Codes: -**1.4L (16v)**G14D.
-**1.6L** A16LEL, A16LER, A16LET, A16XER, A16LER (LDE), A16LER (LDE), A16XER (LDE), LLU/A16LET, Z16LEL, Z16LER, Z16LET, Z16XE1, Z16XEP, Z16XER, 92B3.000 (Z16XEP).
-**1.6L** Ecoflex CNG ,A16XNT, LGE/A16XNT, Z16XNT.
-**1.8L** A18XEL (2HO), A18XER (2HO), Z18XER.
- Vehicle Models: -**Alfa Romeo** 159 (2005-2010).
-**Chevrolet** Cruze (2009-2012).
-**Fiat** Croma (2006-2011).
-**SAAB** 9-5 (2010-2012).
-**Opel** Astra-H (2004-2013)
-**Opel** Corsa-D (2007-2013).
-**Opel** Meriva-A (2006-2010).
-**Opel** Vectra-C (2006-2008).
-**Opel** Zafira-C Tourer (2011-2015).
-**Chevrolet** Aveo (2008-2013).
-**Chevrolet** Orlando (2011-2015).
-**Fiat** Stilo (2005-2008).
-**Opel** Astra-G (2003-2010).
-**Opel** Astra-J (20009-2013).
-**Opel** Insignia (2008-2013).
-**Opel** Signum (2006-2008).
-**Opel** Zafira-B (2005-2013).



DESCRIPTION

The TTK-OP05, Locks The Camshaft And Crankshaft, On A 1.0L / 1.2L / 1.4L Vauxhall/Opel Or Chevrolet Petrol Engine, Whilst Replacing The Timing Chain Fitted On Twin Cam Engines.

CONTENTS

- Camshaft Sensor Locking Tool.
 - Camshaft Locking Plate.
 - Inlet Camshaft Adjusting Tool.
 - 1Pce 4.0mm Chain Tensioner Locking Pin.
- Camshaft Sensor Locking Tool.
 - Crankshaft Locking Pin.
 - 1Pce 2.5mm Chain Tensioner Locking Pin.

APPLICATION

- Engine Models:

•Engine Codes:
- GM / Opel** 1.0L / 1.2L / 1.4L Family 0 Petrol Engines (3 & 4 Cylinders).
 - 1.0L (Ecoflex)**
A10XEP.
 - 1.2L (Ecoflex)**
A12XER (LDC), A12XEL (LWD).
 - 1.4L (Ecoflex)**
A14XER (LDD) / (LDU), A14XEL (L2Z).
 - 1.4 (Turbo)**
A14NEL (LUH), A14NET (LUJ), Twinport / ecoFLEX engines.
- Vehicle Models:

- Cadillac** ELR (2014).
 - Chevrolet** Cruze (2011-2015).
 - Chevrolet** Trax (2013-2015).
 - Holden** Volt (2012-2014).
 - Opel** Agila (2000-2015)
 - Opel** Ampera (2011-2015)
 - Opel** Cascada (2013-2015)
 - Opel** Corsa-D (2006-2014)
 - Opel** Meriva-B (2010-2015)
 - Opel** Zafira-C Tourer (2012-2015)
 - Chevrolet** Aveo (2011-2015).
 - Chevrolet** Orlando (2011-2015).
 - Chevrolet** Volt (2012-2014).
 - Opel** Adam (2012-2015)
 - Opel** Agila-B (2008-2010)
 - Opel** Astra-J (2009-2015)
 - Opel** Corsa-C (2000-2014)
 - Opel** Insignia (2011-2015)
 - Opel** Mokka (2012-2015)



DESCRIPTION

This Engine Timing Kit Provides The Essential Tools Required To Check And Set The Camshaft Timing On The Post 2014 Vauxhall/Opel 1.0L, 1.4L, 1.5L Turbo And Non Turbo Petrol Engines.

CONTENTS

- Camshaft Alignment Tool
- Balance Shaft Holding Tool.
- Camshaft Alignment Plate.

APPLICATION

- Engine Models: -**GM/Opel** 1.0L / 1.4L / 1.5L SGE Petrol Engine (3 & 4 Cylinders).
- Engine Codes:
 - 1.0L non Turbo** L5Q/B10XE, LWT/B10XL, L5Q/D10XE, LE1/B10XFT, LE1/B10XHL, LE1/D10XFL, LE1/D10XFT, LE2/B14XFT, LFE/B14XNT, LE2/D14XFL, LE2/D14XFT, LFE/D14XNT, LFV/D15XHL, LFV/D15XHT.
 - 1.0L Turbo** LE1/B10XFL.
 - 1.4L Non Turbo** LV7/B14XE.
 - 1.4 Turbo** LE2/B14XFL, LE2/B14XHL, LE2/B14XHT.
 - 1.5 Turbo** LFV/B15XHT.
- Vehicle Models:
 - Opel** Adam (2014-2019)
 - Opel** Corsa-E (2015-2019).
 - Opel** Mokka X (2016 - 2019).
 - Opel** Astra-K (2015-2019).
 - Opel** Insignia-B (2017-2020).
 - Opel** Viva (Karl) (2015-2020).



DESCRIPTION

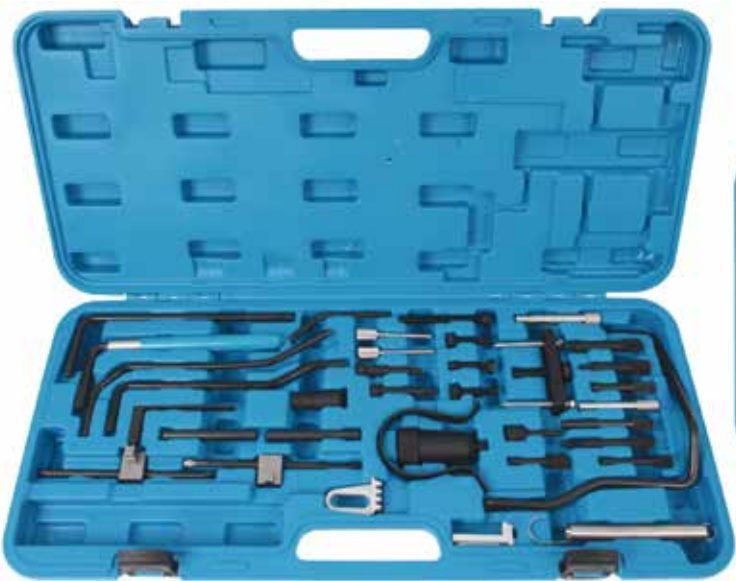
This Comprehensive Tool Set Enables The Correct Engine Timing To Be Made When Replacing The Timing Belt. Suitable For Use On The Most Recent Cars With Either HPI (Petrol) Or HDI (Diesel) Engines. Applicable For Peugeot And Citroen, Suitable E.G. For Locking The Flywheel / Camshaft / Crankshaft. Removal And Assembly Of Fuel Injection Pump And Water Pump. Changing The Timing Belt. Also Suitable For Identical Engines In Fiat, Ford, Nissan, Renault, Rover, Toyota.

CONTENTS

- | | | |
|-------------------------------|----------------------------|-----------------------------|
| •Camshaft Timing Pin | •Crankshaft Pulley Remover | •Crankshaft Timing Spring |
| •Inlet Camshaft Timing Pin | •Tensioning Tool 8mm | •Timing Belt Retaining Clip |
| •Flywheel Locking Tool: | •Flywheel Locking Pin: | •Injection Pump Timing Pin: |
| •Locking Screws: | •Tensioner Adjuster | |
| •13Pce Crankshaft Timing Pin. | | |
| -6mm | -7mm | -2Pce 8mm |

APPLICATION

- | | |
|------------------|---|
| •Engine Models: | - PSA Group 1.4D / 1.6D DV4 & DV6 Diesel Engines.
- PSA Group 2.0D DW10 HDI (Diesel) Or 2.0L EW10 HPI (Petrol) Engines. |
| •Engine Codes: | - 1.4D DV4TD, DV4TED4.
- 1.6D DV6ATED4, DV6B, DV6TED4, DV6C.
- 2.0D DW10ATED (RHS), DW10TD (RHY), DW10ATED (RHZ), DW10ATED4 (RHW), DW10 BTED4 (RHR), DW10UTED4 (RHK), DW10BTED4 (RHF), DW10 C (RHH), EW10 D (RLZ), EW10 J4 (RFN), EW10 J4 (RFR), EW10J4S (RFK), EW10 A (RFJ). |
| •Vehicle Models: | - Citroën Xantia (1198-2001).
- Citroën C4 (2004-2010).
- Citroën Evasion (1994-2002).
- Peugeot 306 (1999-2002).
- Peugeot 605 (1991-2000).
- Peugeot Partner (2004-2012).
- Citroën Xsara (1997-2006).
- Citroën C5 (2000-2008).
- Peugeot 206 (2003-2009).
- Peugeot 406 (2001-2004).
- Peugeot 607 (1999-2008).
- Peugeot Boxer (2002-2006). |



DESCRIPTION

The TTK-PE02 Maintains Engine Timing, Whilst Replacing The Timing Belt, On Either A 1.8L Or 2.0L Petrol Engine. Fitted With Code "EW" Engines. Many Of The Timing Pins Work On Other PSA Petrol/Diesel Engines.

CONTENTS

- Timing Pins.
- Timing Pin.
- Tensioner Tool.
- Tensioner Pulley Adjusting Tool.
- Flywheel/Drive Plate Locking Tool.
- Tensioner Locking Pin.

- Timing Pin.
- Timing Pin.
- Tensioner Tool.
- Tensioner Pulley Locking Tool.
- Tensioner Tool.
- Crank Gear Positioning Tool.

APPLICATION

•Engine Models: -**PSA** 1.8L / 2.0L EW7, EW10 Petrol Engines (4 Cylinders).

•Engine Codes: -**1.8L** EW7A, EW7J4 (6FZ).
-**2.0L** EW10J4 (RFN), EW10J4S (RFK), EW10J4R/L5 (RFN), EW10J4/L5 (RFN), EW10D (RLZ), EW10J4 (RFN), EW10J4/L5 (RFN), EW10J4 (RFN), EW10J4 (RFN).

•Vehicle Models: -**Citroën** C4 (2004-2007).
-**Citroën** C5 (2000-2004).
-**Citroën** Evasion Synergie (2000-2002).
-**Citroën** Xsara Picasso (1999-).
-**Peugeot** 206/CC (2000-2007).
-**Peugeot** 406 Coupe (2000-2004).
-**Peugeot** 407 (2000-2007).
-**Peugeot** 607 (2000-2007).
-**Peugeot** 807 (2002-2005).
-**Citroën** C5 (2000-2002).
-**Citroën** C8 (2002-2007).
-**Citroën** Jumpy Dispatch (2000-2007).
-**Citroën** Xsara Picasso (2002-2005).
-**Peugeot** 307/CC (2001-2005).
-**Peugeot** 407 (2004-2006).
-**Peugeot** 407 (1999-2007).
-**Peugeot** 806 (2000-2002).
-**Peugeot** 807 (2002-2007).



DESCRIPTION

Holds The Camshafts And Crankshaft In Their Timed Position During Belt Replacement.

CONTENTS

- Camshaft Locking Tool.
- Camshaft Timing Pin.

APPLICATION

- Engine Models:
- PSA 1.0L / 1.2L VTi EB0, EB2 Petrol Engines (3 Cylinders).
- Engine Codes:
- 1.0L

EB0(ZMZ), EB0F(ZMZ), ZMZ(EB0)

-1.2L

1PP(HM01, EB2(HMZ), EB2DTS(HNY), EB2(HMW), EB2M(HMY), EB2(HMZ), EB2DTS(HNY), HMP(EB2FB), HMT(EB2D), HMU(EB2D), HMY(EB2M), HMY(EB2M), HMZ(EB2), HMZ(EB2D), HMZ(EB2F).

-1.2L E-VTi

HMZ(EB2F), EB2F (HMZ)
- Vehicle Models:
- Citroën C1 II (2014-2018).

-Citroën C3 IV (2016-2018).

-Citroën C-Elysee (2012-2018).

-Peugeot 108 (2014-2017).

-Peugeot 2008 (2013-2018).

-Peugeot 308 (2013-2018).

-Peugeot 5008 (2014-2017).

-Peugeot Toyota Aygo (2014-2018).

-Citroën C3 III (2012-2017).

-Citroën C4 Cactus (2014-2018).

-Citroën DS3 (2012-2017).

-Peugeot 208 (2012-2018).

-Peugeot 301 (2012-2015).

-Peugeot 3008 (2016-2018).

-Peugeot Partner III (2015-2018).



DESCRIPTION

The TTK-RN01 Maintains Engine Timing Whilst Replacing The Timing Belt On A 1.2L / 1.4L / 1.7L Renault Petrol Engines, Including 1.4L 16v / 1.6L 16v / 1.8L 16v / 2.0L 16v / 2.2L 8v & 2.5L 20v Twin Cam Engines And 1.9L / 2.1L / 2.2L / 2.5L & 2.8L Renault Diesel Engines. Suitable For Most Popular Cars With Petrol Or Diesel Engines. Covers Both Chain And Belt Driven Engines.

CONTENTS

- | | | |
|---------------------------------------|---------------------------------------|-------------------------|
| •Crankshaft Locking Pin. | •Tension Wrench. | •Tensioner Adjuster. |
| •Tensioner Adjuster. | •Tensioner Adjuster. | •Tensioner Adjuster. |
| •Camshaft Locking Tool. | •Camshaft Locking Tool. | •Flywheel Locking Pin. |
| •Flywheel Locking Pin. | •Flywheel Locking Pin. | •Crankshaft Timing Pin. |
| •Injection Pump Setting Pin. | •Camshaft Sprocket Alignment Tool. | |
| •M8x70mm Tensioning Adjustment Screw. | •M6x46mm Tensioning Adjustment Screw. | |

APPLICATION

•Engine Models:

- Renault** 1.2L 16v D-Type Petrol Engine (4 Cylinders).
- Renault** 1.2L / 1.4L 8v E-Type Petrol Engine (4 Cylinders).
- Renault** 1.6L 8v K-Type Petrol Engine (4 Cylinders).
- Renault** 1.6L / 1.7L / 1.8L / 2.0L F-Type Diesel / Petrol Engine (4 Cylinders).
- Renault** 2.2L G-Type Diesel Engine (4 Cylinders).
- PSA/Renault** 2.0L / 2.1L / 2.2L Douvrin Diesel / Petrol Engine (4 Cylinders).
- Sofim** 8140 Diesel Engine (4 Cylinders).

•Engine Codes:

- | | | |
|-----------------------------------|------------------------------------|------------------------------------|
| - 1.2L (8v) E5F, E7F. | - 1.2L (16v) D7F. | - 1.4L (8v) E7J. |
| - 1.4L (16v) K4J. | - 1.6L (8v) K7M, F8M. | - 1.6L (16v) K4M. |
| - 1.7L (8v) F2R, F1N, F3N. | - 1.8L (8v) F3P. | - 1.8L (16v) F4P, F7P. |
| - 1.9L (8v) F8Q, F9Q. | - 2.0L (8v) F3R, J5R, J7R. | - 2.0L (16v) F4R, F7R, N7Q. |
| - 2.1L (8v) J8S. | - 2.2L (8v) J5T. | - 2.2L (12v) G8T |
| - 2.4L (8v) S8U. | - 2.5L (20v) N7U, S8U, S9U. | - 2.8L (8v) S9W |

•Vehicle Models:

- | | |
|---|---|
| - Renault Twingo II (2007-2014). | - Renault Clio I (1990-1997). |
| - Renault Megane (1996-1999). | - Renault Scénic (1996-2003). |
| - Renault Laguna (1998-2001). | - Renault Trafic (1984-1997). |
| - Renault R19 (1988-2000). | - Renault Sport Spider (1995-1999) |

- Fits Identical Volvo Engines: B16, B18, B20 e.g. Volvo 440, 460, 480.
- Fits Identical Diesel Engines: Opel Arena, Movano & Volvo S40, V40 etc.



DESCRIPTION

Essential Tools For Timing Belt Replacement On Renault/Nissan 1.5D, 1.9D, 2.2D & 2.5D DCi Diesel Engines. Covers Engine Codes K9K, F9Q, G9T, G9U. These Engines Are Also Fitted In Vauxhall/Opel, Suzuki, Mitsubishi And Dacia Models. Kit Includes Crankshaft Locking Pins, Belt Tensioner Tools And Camshaft Setting Plates.

CONTENTS

- Camshaft/Crankshaft Timing Pin.
- Inlet Camshaft Alignment Tool.
- Exhaust Camshaft Alignment Tool
- TDC Timing Pin.
- Crankshaft Alignment Pin.
- Tension Pre-Setting Tool.
- Crankshaft Locking Pin.
- High Pressure Pump Locking Pin.
- Tensioner Cover.

APPLICATION

- Engine Models:
 - Renault:** 1.5D "K9K" (dCi/DDiS) K-Type Diesel Engine (4 Cylinders).
 - Renault:** 1.9D "F9Q" (dCi/CDTi) F-Type Diesel Engine (4 Cylinders).
 - Renault:** 2.2D "G9T" / 2.5D "G9U" (dCi/CDTi) G-Type Diesel Engines (4 Cylinders).
- Engine Codes:
 - 1.5D** 262, 266, 299, 612, 636, 700, 702, 704, 706, 710, 712, 714, 716, 718, 722, 724, 728, 729, 732, 740, 750, 752, 760, 762, 764, 766, 768, 772, 780, 782, 790, 792, 794, 796, 800, 802, 804, 806, 808, 830, 832, 834, 836, 837, 884, 892, 894, 896, 898.
 - 1.9D** 1, 2, B2, 650, 660, 664, 670, 674, 680, 690, 718, 732, 733, 740, 748, 750, 751, 752, 754, 758, 759, 760, 762, W772, 774, 775, 790, 800, 803, 804, 808, 812, 814, 816, 818, 820, 826, 870, 872.
 - 2.2D** 600, 605, 606, 607, 642, 700, 702, 703, 706, 707, 710, 720, 722, F722, 742, 743, 750, 772.
 - 2.5D** 630, 632, 650, A720, 724, 726, 730, 750, 754.
- Vehicle Models:
 - Dacia** Duster (2010-2014).
 - Mitsubishi** Carisma (2001-2005).
 - Nissan** Interstar X70 (2002-2011).
 - Nissan** Kubistar X76 (2003-2009).
 - Renault** Storia (2001-2011).
 - Renault** Laguna (1999-2001).
 - Suzuki** Grand Vitara (2005-2015).
 - Dacia** Sandero (2008-2015).
 - Nissan** Cube Z12 (2008-2011).
 - Nissan** Juke F15 (2010-2012).
 - Renault** Clio II (2001-2011).
 - Renault** Espace (2000-2002).
 - Renault** Twingo (2007-2014).
 - Suzuki** Jimny (2003-2011).



DESCRIPTION

A Universal Engine Timing Tool, Designed To Lock Twin Camshafts To Timing Marks During Timing Belt Replacement. Fits Onto Sprockets And Extends To Lock Into Sprocket Teeth. Adjustable Arms Fit Various Diameters and Tooth Pitches. Suitable For Locking Between Cam and Diesel Injection Pump Sprockets
Ideal For Both Petrol And Diesel Engines. Can Also Be Used To Lock a Diesel Fuel Pump To The Camshaft

CONTENTS

- 1Pce Camshaft Locking Tool.

APPLICATION

Suitable For:

- Camshafts With Tooth Belt Distances Of 13-18mm.
- Diesel Or Petrol Engines.



DESCRIPTION

This Kit Consists Of Adequate Tools To Lock The Camshafts On Twin Cam (Multi-Valve) Engines In Order To Stop Them Rotating Out Of Timed Position, When The Timing Belt Is Replaced And Removed. Also Provides Different Camshaft Locking Pins, That Can Cover Specific Crankshaft And Flywheel Locking Applications. Servicing Is Easier And Risk Of Incorrect Valve Timing Is Reduced. Supplied With Two Popular Flywheel Holding Tools. Ideal And Essential For Removing The Crankshaft Pulley When Replacing The Timing Belt.

CONTENTS

- Camshaft Locking Tool X 10
- Setting And Locking Plate
- TDC Location Pin
- Locking Pins X 4
- Balancer Pin
- Flywheel Holding Tool X 2.

APPLICATION

Suitable For:	•Citroen	•Fiat	•Ford	•Honda	•Isuzu
	•Land Rover	•Mazda	•Opel	•Peugeot	•Renault
	•Saab	•Vauxhall	•VW		



DESCRIPTION

For Alignment Of The Cam And Crankshaft, Also Alignment Of The Cam And Crankshafts With The Cam Cover. This Tool Is Used For The Aligning The Camshafts & Crankshafts On 4, 5 & 6 Cylinders. May Also Be Used To Align Camshafts With The Cam Cover.

CONTENTS

- 2Pce Press Tool.
 - 1Pce Locking Pin.
- 1Pce Angled Plate.
 - 2Pce Screws.
- 1Pce Camshaft Holder.
 - 2Pce Screws.

APPLICATION

- Engine Models:

 - Volvo** 1.6L / 1.8L / 1.9L Modular Petrol Engines (4 Cylinders).
 - Volvo** 2.0L / 2.3L / 2.4L / 2.5L Petrol Engines (5 Cylinders).
 - Volvo** 2.4L / 2.5L / 2.8L / 2.9L Modular Petrol Engines (6 Cylinders).
- Engine Codes:

- 1.6L** B4164S, B4164S2.
 - 1.9L** B4194T, B4204S, B4204S2.
 - 2.3L** B5234FS, B5234T, B5234T2.
 - 2.5L** B5252S, B5252FS, GB5252S.
 - 2.9L** B6294S, B6294S2, B6294T.

- 1.8L** B4184S, B4184S2, B4184S3.
 - 2.0L** B5202S, B5202FS, B5204S.
 - 2.4L** B5244S, B5244S2, B5244S4.
 - 2.8L** B6284T.
- Vehicle Models:

- Volvo** 850 (1994-1997).
 - Volvo** S60 (2001-2009).
 - Volvo** S80 (1998-2006).
 - Volvo** V70 (2000-2008).

- Volvo** S40 (1999-2004).
 - Volvo** S70 (1997-2000).
 - Volvo** V70(1997-2000).
 - Volvo** V90 (2016-).



DESCRIPTION

This Kit Of Twelve Tools Is Required For Petrol & Diesel Engine Service. Including Timing Belt Replacement On Recent Models & Also Older 1.9D Models From 1976.

CONTENTS

- Tensioner Socket
 - Injection Pump Locking Pin
 - Tensioner Setting Tool
 - Camshaft Setting Plate
 - Tensioner Locking Pin
 - Crankshaft Locking Pin
 - Crankshaft Pulley Locking Tool
 - Chain Tensioner Retainer
 - Tensioner Pulley Adjustment Tool
- Crankshaft Locking Pin
 - Tensioner Locking Pin
 - Camshaft Locking Tool
 - Camshaft Setting Bar
 - Injection Pump Timing Pin 15.4 mm
 - Fixing Pin
 - Front End Support Guides
 - Tensioner Pulley Locking Tool
 - Auxiliary Drive Belt Tensioner Locking Pin
- Fixing Gauge for Camshaft
 - Injection Pump Locking Pin
 - Crankshaft Pulley Setting Tool
 - M5×55 Stud and Nuts
 - Camshaft Adjustment Tool
 - Camshaft Aligning Tool
 - Locking Pin (4, 7, 8mm)
 - Tension Pulley Holding Wrench

APPLICATION

- Engine Models:

 - VAG** 1.2L 6V / 1.2L 12V (EA111) Petrol Engines (3 Cylinders).
 - VAG** 1.4L / 1.6L / 1.8L / 2.0 16V Petrol Engines (4 Cylinders).
 - VAG** 1.2D / 1.4D TDI Diesel Engines (3 Cylinders).
 - VAG** 1.7D (D/SDI) / 1.9D (D/SDI/TD/TDI/TDI PD) / 2.0D (TDI PD) Diesel Engines (4 Cylinders).
 - VAG** 2.5D V6 (TDI) Diesel Engine (6 Cylinders).
- Engine Codes:

- 1.2D** ANY, AYZ.
 - 1.7D** KY, AHB, AHG, AKU, AKW.
 - 2.0D** CBH, CBK, BGW, BHW, BMM.
 - 1.2L** AWY, BMD, BBM, AZQ, BME.
 - 1.6L** AUS, AZD, ATN, BCB, BTS, CFNB.
 - 2.0L** BPJ, BWA, BUL, CDL, BYD.

- 1.4D** BNM, BWB, AMF, BAY, BHC, BMS.
 - 1.9D** AAZ, ADE, ABL, AEF, BGM, ANC, AHH.
 - 2.5D** 1T, AAT, ACV, AEL, AHY, AJT, ANG.
 - 1.4L** AHW, AXP, BUD, CGGA, BXW, CGGB.
 - 1.8L** BFB, BKB, CED.
- Vehicle Models:

- VW** Corrado (1989-1992).
 - VW** Golf Mk2 (1986-1991).
 - VW** Jetta (1999-2005).
 - VW** Polo Mk4 (2010-2017).

- VW** Fox (2004-2005).
 - VW** Golf Mk4 (2000-2006).
 - VW** Passat (1998-2004).
 - Skoda** Fabia (2007-2014).



DESCRIPTION

Includes Important Tools For Checking And Adjusting Engine Timing.

CONTENTS

- Injection Pump / Camshaft Alignment Pin
- Crankshaft Pulley Locking Tool (Bored)
- Auxiliary Tensioner Locking Tool (3.9mm)
- Tensioner Pulley Adjustment Tool (6mm Hex Key)
- Sprocket Holding Tool(Used with Powerbar etc. not incl)
- Camshaft Sprocket Hub Puller
- Crankshaft Pulley Locking Tool (Non-bored)
- Balance shaft Alignment /Oil Pump
- Tensioner Pulley Locking Tool

APPLICATION

Engine Models: -**VAG** 1.6D / 2.0D TDI EA827 Diesel Engines (4 Cylinders).

Engine Codes: -**1.2D** CFWA.
 -**1.6D** CAYB, CAYC, CAYD, CAYE, CLNA.
 -**2.0D** CAAA, CAAB, CAAC, CBAA, CBAB, CBAC, CBBA, CBBB, CBDA, CBDB, CBDC, CCHA, CDBA, CDCA, CEGA, CFCA, CFFA, CFFB, CFFD, CFFE, CFGB, CFHB, CFHC, CFHE, CFHF, CFJA, CJAA, CKTB, CKTC, CKUB, CKUC, CLCA, CLJA, CLLA.

Vehicle Models: -**Audi** A1 8X (2010-2018).
 -**Audi** A4 B8 (2008-2016).
 -**Seat** Altea (2004-2015).
 -**Seat** Ibiza 6J (2009-2015).
 -**Skoda** Fabia Mk2 5J (2007-2014).
 -**Skoda** Roomster (2010-2015).
 -**VW** Golf Mk6 5K (2008-2013).
 -**VW** Passat B6 (2005-2010).
 -**VW** Touran (2010-2015).
 -**Audi** A3 8P (2003-2013).
 -**Audi** A6 C7 (2011-2018).
 -**Seat** Exeo (2008-2013).
 -**Seat** Leon Mk 2 1P (2005-2012).
 -**Skoda** Octavia Mk2 1Z (2004-2013).
 -**VW** Caddy 2K (2003-).
 -**VW** Jetta A6 5C6 (2001-2018).
 -**VW** Polo Mk5 (2009-2015).



DESCRIPTION

Diesel Engine Timing Tool Set. Sets The Timing of Diesel Engines. Suitable For Use On Audi, Ford, Seat, Skoda & VW Vehicles.

CONTENTS

- Injection Pump Locking Pin X2
- Crankshaft Setting Tool - Non Bored Engines
- Auxiliary Drive Belt Tensioner Locking Pin
- Crankshaft Setting Tool - Bored Engines
- Tensioner Pulley Locking Pin

APPLICATION

- Engine Models:
 - VAG** 1.2D / 1.4D TDI PD Diesel Engines (3 Cylinders).
 - VAG** 1.6D / 1.9D / 2.0D TDI PD Diesel Engines (4 Cylinders).
- Engine Codes:
 - 1.2D** ANY.
 - 1.4D** AMF, BMS, BNM, BNV, BWB.
 - 1.6D** CAYA, CAYE, CAYB, CAYD.
 - 1.9D** ASZ, AJM, ARL, ATD, AVD, AVB, AVF, AWX, BHC, BKC, BKE, AUJ.
 - 2.0D** BKD, BMN, AZV, CBH, CBK.
- Vehicle Models:
 - Audi** A2 (2002-2006).
 - Audi** A4 (2002-2005).
 - Audi** A6 1.9TDi Pd(02-05).
 - Ford** Galaxy (2000-2006).
 - Seat** Cordoba (1999-2011).
 - Seat** Toledo (2005-2008).
 - Skoda** Octavia II (2003-2006).
 - VW** Beetle (2002-2008).
 - VW** Fox (2002-2008).
 - VW** Lupo (2002-2008).
 - VW** Sharan (2002-2008).
 - Audi** A3 (2002-2008).
 - Audi** A4 (2004-2008).
 - Audi** Q5 (1998-2011).
 - Seat** Altea (2005-2008).
 - Seat** Leon (2005-2008).
 - Skoda** Fabia (2003-2006).
 - Skoda** Superb (2000-2011).
 - VW** Bora (2002-2008).
 - VW** Golf (2002-2008).
 - VW** Polo (2002-2008).
 - VW** Transporter (1998-2011).



DESCRIPTION

Suitable For The Latest VAG 1.2/1.4 TSI Belt Drive Petrol Engines, Including The 1.4TSi ACT. Contains Essential Tools For Camshaft Locking, Crankshaft Replacement And Timing Belt Replacement.

CONTENTS

- Camshaft Drive Belt Tension Wrench.
- Crankshaft Locking Pin.
- Camshaft Locking Tool.
- Auxiliary Drive Belt Tensioner Locking Pin

APPLICATION

- Engine Models: -**VAG** 1.2L / 1.4L TSI Belt Drive (EA211) Petrol Engines (4 Cylinders).
- Engine Codes: -**1.2L** CJZA, CJZB, CJZC, CJZD, CYVA, CYVB, CYVD.
-**1.4L** CHPA, CHPB, CMBA, CPTA, CPVA, CPVB, CPWA, CRJA, CUKB, CUKC, CXSA, CXSB, CZCA, CZDA, CZDB, CZEA.
- Vehicle Models: -**Audi** A1 (2012-2015)
-**Audi** A3 (2013-2015)
-**Seat** Ibiza (2012-2013)
-**Skoda** Toledo (2012-2015)
-**Skoda** Octavia II (2010-2013)
-**VW** Golf VII (2008-2017).
-**VW** Golf Sportsvan (2014-2015).
-**VW** Polo (2012-2017)
-**Audi** A1 Sportback (2012-2015)
-**Audi** A3 Sportback (2012-2015)
-**Seat** Leon (2012-2015)
-**Skoda** Fabia (2012-2013)
-**Skoda** Octavia III (2010-2015)
-**VW** Golf VII Estate (2008-2017).
-**VW** Jetta (2012-2017).



DESCRIPTION

For Locking And Aligning Camshaft & Crankshaft Gears During Servicing Of The Engine Valve Tlming And Other Engine Repairs.

CONTENTS

- Camshaft Locking Tool Suitable For 5 And 10 Cylinder Engines.
- Camshaft Locking Tool Suitable For 10 Cylinder Engines.
- V-Clamp Devices Suitable For 5 And 10 Cylinder Engines.
- Special Socket Suitable For 5 Cylinder Engines.
- Crankshaft Locking Wrench Suitable For 5 Cylinder Engines.
- Tensioner Wrench.

APPLICATION

- Engine Models: -**VAG** 2.5D TDI PD Diesel Engines (5 Cylinders).
 -**VAG** 4.9D / 5.0 TDI PD Diesel Engines (10 Cylinder).
- Engine Codes: -**2.5D** AXD, AXE, BAC, BLJ, BLK, BPD, BPC, BPE, BNZ.
 -**4.9D** AJS, BLE, BKW, BKW.
 -**5.0D** AYH, BWF, CBWA.
- Vehicle Models: -**VW** Caravelle (2004-2010). -**VW** Kombi (2006-2009).
 -**VW** Multivan (2005-2010). -**VW** Phaeton (2004-2007).
 -**VW** Touareg (2004-2009). -**VW** Touareg (2004-2010).
 -**VW** Transporter (2004-2010).



DESCRIPTION

Checks And Adjust Camshaft Timing. Required When Replacing Timing Chains.

CONTENTS

- 1Pce Camshaft Locking Tool.
- 1Pce Setting Gauge Holder.
- 1Pce Tensioner Pin.
- 1Pce TDC Indicator.
- 1Pce Crankshaft Locking Pin.
- 1Pce Dial Test Indicator.
- 2Pce Guide Pins.
- 1Pce Camshaft Alignment Tool.

APPLICATION

- Engine Models: -**VAG** 1.2L / 1.4L / 1.6L (TSI / TFSI) Petrol Engines (4 Cylinders).
- Engine Codes: -**1.2L** CBZA, CBZB, CBZC.
-**1.4L** BKG, BLN, CLP, CAX.
-**1.6L** BAG, BLF, BLP, CLS.
- Vehicle Models: -**Audi** A1 (2010-2018).
-**SEAT** Leon (2007-).
-**VW** EOS (2007-2016).
-**VW** EOS (2006-2007).
-**VW** Golf Mk5 (2003-2007).
-**VW** Golf Mk6 (2008-2013).
-**VW** Tiguan (2007-2017).
-**VW** Touran (2006-2010).
-**Audi** A3 (2003-2007).
-**SEAT** Leon (2014-2018).
-**VW** EOS (2008-2014).
-**VW** Golf Mk5 (2003-2006).
-**VW** Golf Mk5 (2005-2007).
-**VW** Jetta (2006-2011).
-**VW** Touran (2003-2006).



DESCRIPTION

Required To Access The Timing Belt Tensioners Fitted To A Wide Range Of VAG Petrol And Diesel Engines.

CONTENTS

- 3Pce Tensioner Wrenches.
- 3Pce Tensioner Locking Pin Set.

APPLICATION

- Engine Models:
- VAG** 1.4D (TDI PD) / 1.5D / 1.6D (TD) / 1.7D (SDI) Diesel Engines (4 Cylinders).

-**VAG** 1.9D (TD/TDI/SDI) / 2.0D (TDI/TDI CR/TDI PD/SDI PD) Diesel Engines (4 Cylinders).

-**VAG** 2.5D (TDI/TDI CR/TDI PD/SDI) Diesel Engines (5 & 6 Cylinders).

-**VAG** 1.6L (FSI) / 1.8L (EA113/EA827) / 2.0L (EA827/EA831) Petrol Engines (4 Cylinders).

-**VAG** 2.0L Petrol Engine (5 CYlinders).
- Engine Codes:
- 1.4D** BNM, BWB, AMF, BAY, BHC.

-**1.5D** CK.

-**1.6D** 68A, 68C, CY, JR, JX, RA, SB.

-**1.7D** AHB, AHG, AKU, AKW.

-**1.9D** ARD, 28B, ADG, 1Y, AEF, AGD.

-**2.0D** CBH, CBK, BGW, BHW, BHW, BMM.

-**2.5D** ABP, AAT, AFB, BJJ, BJL, BCT.

-**1.6L** BAD, BAG, BLF, BLP.

-**1.8L** ADF, CL, CH, PL, KR,

-**2.0L** AZH, AZM, ATF, AUZ, ASU, AVA.
- Vehicle Models:
- Audi** 80 (1982-1987).

-**SEAT** Ibiza Mk2 (1993-1999).

-**SEAT** Toledo (1991-1999).

-**Skoda** Felicia (1995-2001).

-**VW** Golf (1985-1992).

-**VW** Golf Mk3 (1995-1999).

-**VW** Jetta King (2002-2010).

-**VW** Polo 6N (1995-1999).

-**Audi** 90 (1989-1991).

-**SEAT** Cordoba (1993-1999).

-**SEAT** Inca (1995-2003).

-**VW** Caddy (1990-1992).

-**VW** Golf Mk1 (1976-1980).

-**VW** Jetta (1985-1991).

-**VW** Passat B1 (1977-1980).

-**VW** Vento (1995-1997).



DESCRIPTION

Use For Correcting The Camshaft And Crankshaft Timing Position.

CONTENTS

- Crankshaft Thrust Piece.
- 2Pce Chain Tensioner Locking Clips.
- 3Pce Camshaft Control Valve Tools.
- 2Pce Tensioner Locking Pin.
- 4Pce Camshaft Locking Bolts.
- 1Pce Chain Sprocket Locking Tools.
- Belt Tensioner Locking Pin.
- Oil Pump Tensioner Locking Tool.

APPLICATION

- Engine Models: **-VAG** 1.8L / 2.0L TSI / TFSI (EA888) Petrol Engines (4 Cylinders).
- Engine Codes: **-1.8L** BYT, BZB, CDAA, CJSB, CABA, CABB, CABD, CDHA, CDHB, CJEB, CGYA.
-2.0L CCZA, CCZB, CCTA, CBFA, CCZC, CDAB, CDNB, CDNC, CDND, CADA, CAEA, CAEB, CAWA, CAWB, CESA, CETA, CFKA,
- Vehicle Models: **-Audi** A3 (2008-2013, 2.0T - Gas) **-Audi** A3 Quattro (2009-2013, 2.0T - GAS)
-Audi A4 (2009-2015, 2.0T - GAS) **-Audi** A4 Quattro (2009-2015, 2.0T - GAS)
-Audi A5 (2010-2015, 2.0T - GAS) **-Audi** A5 Quattro (2010-2015, 2.0T - GAS)
-Audi A6 (2012-2015, 2.0T - GAS) **-Audi** A6 Quattro (2013-2015, 2.0T - GAS)
-Audi Q5 (2011-2015, 2.0T - GAS) **-Audi** Allroad (2013-2015, 2.0T-GAS)
-Audi TT (2009, 2.0T - GAS) **-Audi** TT Quattro (2009-2015, 2.0T - GAS)
-VW Beetle (2012-2013, 2.0T - GAS) **-VW** EOS (2009-2015, 2.0T - GAS)
-VW GTI (2008-2014, 2.0T - GAS) **-VW** Jetta (2008-2013, 2.0T - GAS)
-VW Passat B6 (2008-2010, 2.0T - GAS) **-VW** Tiguan (2009-2015, 2.0T - GAS)
-VW CC (2009-20015, 2.0T - GAS)



DESCRIPTION

This Precision Assembly Jig Is Used When Servicing Or Rebuilding The Cylinder Heads On A Large Range Of VAG And Porsche Diesel Engines. It Is Specifically Designed To Allow The Camshafts To Be Refitted Into The Cylinder Head In It's Correct Timed Position.

CONTENTS

- 1Pce Mounting Device Including Pre-Assembled Parts.
 - 2Pce Alignment Clamps.
 - 1Pce Locking Tool.
- 1Pce Camshaft Retaining Clamp.
 - 4Pce Camshaft Brackets.

APPLICATION

- Engine Models:

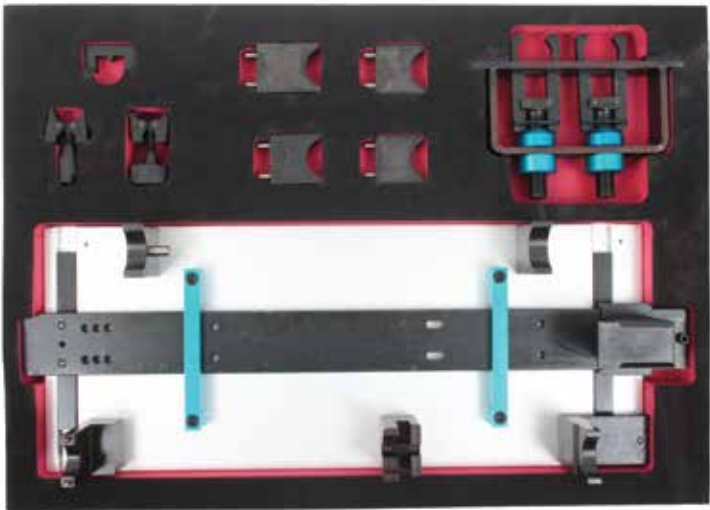
 - VAG** 2.0D (TDI CR) Diesel Engines (4 Cylinders).
 - VAG** 2.7D / 3.0D (TDI CR) Diesel Engines (6 Cylinders).
 - VAG** 4.0D (TDI CR) Diesel Engines (8 Cylinders).
- Engine Codes:

- 2.0D** CAGA, CAGC, CAHA, CBEA, CBAB, CFFB, CFFD, CBBB, CBDB, CBDC, CEGA, CFGB, CFCA, CFJB, CJAA, CLJA, CFFD, CAGC, CAGB, CJAA, CRBC, CBBB, CGLC, CUNA, CNHA, CUAA.
 - 2.7D** BSG, CAM, CGK, CAM, CGK, BPP, CAN.
 - 4.0D** ASE.

- 3.0D** BKN,BUN, CAS, BMK, BKS, BSP, DDXC, ASB, BUG, CARA, CAP, CCW, CDY, CCW, CASA, CCMA, CEXA, CASB, CASC, CEZA.
- Vehicle Models:

- Audi** TT Mk2 (2008-2010).
 - Audi** A4 (2008-).
 - Audi** A8 (2003).
 - Skoda** Octavia (2013-)
 - VW** Phaeton (2003-2007).
 - VW** Tiguan (2008-).

- Audi** A3 (2008-2013).
 - Audi** A4 (2006-2008).
 - SEAT** Exeo (2009-2013).
 - VW** Jetta (2006-2001).
 - VW** Phaeton (2007-2008).
 - VW** Touareg (2003-2008).



DESCRIPTION

Includes Essential Tools Required To Remove The Camshaft & Valves. Fits A Wide Range Of VAG 1.8 & 2.0 Petrol Engines.

CONTENTS

- 1Pce Camshaft Adjusting Tool.
- Crankshaft Pulley Holding Tool.
- 3Pce Camshaft Control Valve Tools.
- 3Pce Tensioner Locking Pin Set.

APPLICATION

- Engine Models: -**VAG** 1.8L / 2.0L TSI/TFI (EA888) Petrol Engines (4 Cylinders).
- Engine Codes:
 - 1.8L** BYT CDAA CJSB BZB CDAB CJSB CABA CDHA CABB CDHB CABD CJEB
 - 2.0L** CAWA CCZB CDND CHHA CPLA CAWB CCZC CESA CHHB CPSA CBFA CCZD
CETA CJKK CCTA CDNB CFKA CJKB CCZA CDNC CFPA CNCD
- Vehicle Models:
 - Audi** A3 (2007-2013).
 - Audi** A3 Cabriolet (2008-2013).
 - Audi** A3 Cabriolet (20013-2015).
 - Audi** A3 Sportback (2012-2014).
 - Audi** A4 (2007-2008).
 - Audi** A4 Quattro (2009-2015).
 - Audi** Saloon (2013-2015).
 - Audi** Allroad (2009-2015).
 - Seat** Altea (2006-2015).
 - Seat** Altea Freetrack (2009-2015).
 - Seat** Exeo (2010-2013).
 - Seat** Leon (2009-2013).
 - Seat** Toledo (2009-2009).
 - Skoda** Octavia II (2007-2013).
 - Skoda** Octavia III (2013-2015).
 - Skoda** Superb II (2008-2015).
 - Skoda** Yeti (2009-2013).
 - VW** Amarok (2010-2015).
 - VW** Beetle/Maggiolino (2013-2015).
 - VW** Cabriolet (2012-2014).
 - VW** CC (2012-2015).
 - VW** Estate (2009-2013).
 - VW** Golf V (2009-2013).
 - VW** Golf VII (2012-2015).
 - VW** Golf VII (2013-2015).
 - VW** Jetta (2005-2011).



DESCRIPTION

Locks The Camshaft When Checking & Adjusting Timing.

CONTENTS

•1Pce Camshaft Locking Tool.

APPLICATION

- Engine Models:
- VAG 1.2L / 1.4L TSI Belt Drive (EA211) Petrol Engines (4 Cylinders).
- Engine Codes:
- 1.2L CJZA, CJZB, CJZC, CJZD, CYVA, CYVB, CYVD.
-1.4L CHPA, CHPB, CMBA, CPTA, CPVA, CPVB, CPWA, CRJA, CUKB, CUKC, CXSA, CXSB, CZCA, CZDA, CZDB, CZEA.
- Vehicle Models:
- Audi A1 (2012-2015)
-Audi A3 (2013-2015)
-Seat Ibiza (2012-2013)
-Skoda Toledo (2012-2015)
-Skoda Octavia II (2010-2013)
-VW Golf VII (2008-2017).
-VW Golf Sportsvan (2014-2015).
-VW Polo (2012-2017).
-Audi A1 Sportback (2012-2015)
-Audi A3 Sportback (2012-2015)
-Seat Leon (2012-2015)
-Skoda Fabia (2012-2013)
-Skoda Octavia III (2010-2015)
-VW Golf VII Estate (2008-2017).
-VW Jetta (2012-2017).



DESCRIPTION

Pivoting Design Allows Fit In Most Cam And Injection Pump Gear Sizes. Detent Grooves On Holding Pins Gives Mechanic A Firm Hold. Use As A Counter Holder When Loosening Or Tightening The Sprocket Retainer Bolts.

CONTENTS

- 1Pce Camshaft Sprocket Holding Tool.

APPLICATION

- Suitable For Most Camshafts And Injection Pump Gear Sizes.



DESCRIPTION

Maintains Engine Timing, Whilst Servicing Vehicles Fitted With 1.0L / 1.2L & 1.4L Petrol Engines, In The EA211 Family Range (TSI/TFSI). Timing Belt Replacement Is Simpler When Camshaft Locking Tool And Crankshaft locking Pin Is Used.

CONTENTS

- Camshaft Sprocket Holding Tool and Fixings.
 - Camshaft Timing Tool.
 - Camshaft Drive Belt Tension Wrench.
- 1Pce Crankshaft Locking Pin.
 - 2Pce Camshaft Locking Tool
 - Cam Belt Pre-Tension Tool - VAG.

APPLICATION

- Engine Models:

 - VAG** 1.0L (EA211) Petrol Engine (3 Cylinders).
 - VAG** 1.2L / 1.4L TSI/TFSI Belt Drive (EA211) Petrol Engines (4 Cylinders).
- Engine Codes:

 - 1.0L** CHYA, CHYB.
 - 1.2L** CJZA, CJZB, CJZC, CJZD, CYVA, CYVB, CYVD.
 - 1.4L** CHPA, CHPB, CMBA, CPTA, CPVA, CPVB, CPWA, CRJA, CUKB, CUKC, CXSA, CXSB, CZCA, CZDA, CZDB, CZEa.
- Vehicle Models:

- Audi** A1 (2012-2015)
 - Audi** A3 (2013-2015)
 - Seat** Ibiza (2012-2013)
 - Skoda** Toledo (2012-2015)
 - Skoda** Octavia II (2010-2013)
 - VW** Golf VII (2008-2017).
 - VW** Golf Sportsvan (2014-2015).
 - VW** Polo (2012-2017)

- Audi** A1 Sportback (2012-2015)
 - Audi** A3 Sportback (2012-2015)
 - Seat** Leon (2012-2015)
 - Skoda** Fabia (2012-2013)
 - Skoda** Octavia III (2010-2015)
 - VW** Golf VII Estate (2008-2017).
 - VW** Jetta (2012-2017)



DESCRIPTION

Installs & Removes A 7-Speed DSG Clutch Unit In A VW/Audi.
Designed To Allow The Safe Removal And Refitting Of The Twin Clutches Used In VAG 6/7 Speed Gearboxes.

CONTENTS

- Clutch Puller.
- Clutch Press Piece.
- Release Bearing Setting Tool.
- Support Bridge.

APPLICATION

- Vehicle Models:
- Audi** A3 (2004-).
- VW** Golf Plus (2005-)
- VW** Golf (2004-).



DESCRIPTION

Designed For Removing Load Off Plungers Of Mechatronic Units, When You Insert The Tool Between Clutch Lever And Gear Housing.

CONTENTS

•1Pce Mechatronic Unit Remover

APPLICATION

•Vehicle Models:

- Audi** A3 (2004-).
- VW** Golf Plus (2005-)

-**VW** Golf (2004-).



DESCRIPTION

A Comprehensive Kit For Removal And Fitting Of The Camshaft Drive Belt On The Popular 1.6 And 2.0 VAG TDi CR Diesel Engines Found Across The VAG Ranges From 2012 Onwards. The Engines Covered Utilise A Belt With Transfer Gears In The Head. This Kit Includes The Pins Required For Timing The Camshafts In The Head.

CONTENTS

- Cambelt Tensioner Locking Tool 2.5 mm
- Fuel Pump Locking and Camshaft Alignment Pins (2)
- Camshaft/Crankshaft Timing Pin
- Sprocket Holding Tool for High Pressure Fuel Pump
- Ball-end Hex Key 6 mm
- Auxiliary Drive Tensioner pin
- Crankshaft Timing Tool and Locking Pin
- Hex Key 8 mm

APPLICATION

- Engine Models: -**VAG** 1.6L / 2.0L TDi CR Diesel Engines (4 Cylinders).
- Engine Codes:
 - 1.4D** CUSA, CUTA, CUSB
 - 1.6D** CXMA, CLHA, CRKB, CLHB, CXXB, CRKA
 - 2.0D** CFFA, CRBC, CRBD, CRFA, CRFC, CRLB, CRLC, CUNA, CNHA, CNHC, CSUA, CSUD, CUVA, CUVC, DFLA, DFLD, DFMA, CKFB, CRKB, CRMB, CKFC, CRVA, CRVC, CUPA
- Vehicle Models:
 - Audi** A3 Saloon (2013-2016).
 - Audi** A4 Allroad (2013-2015).
 - Audi** A5 (2013-2015).
 - Audi** A5 Coupe (2013-2017).
 - Audi** A6 (2011-2017).
 - Audi** Q5 (2013-2015).
 - Seat** Leon (2012-2017).
 - Skoda** Octavia III (2013-2017).
 - VW** Golf VII (2012-2017).
 - VW** Golf Alltrack (2014-2017).
 - VW** Passat Alltrack (2015-2017).
 - Audi** A4 (2013-2015).
 - Audi** A4 Quattro (2013-2015).
 - Audi** A5 Cabriolet (2013-2017).
 - Audi** A5 Sportback (2013-2017).
 - Audi** Q3 (2013-2015).
 - Audi** TT (2014-2017).
 - Seat** Leon ST (2013-2017).
 - VW** CC (2015-2017).
 - VW** Golf VII Estate (2013-2017).
 - VW** Golf SV/Sportsvan (2014-2017).



DESCRIPTION

Maintains Camshaft And Crankshaft Position For VAG 2.4L, 2.8L & 3.0L TFSI Petrol Engines. Allows The Camshaft Drive Chains To Be Removed And The Timing Set Or Checked.

CONTENTS

- 1Pce Crankshaft Timing Pin
 - 1Pce Crankshaft Pulley Bolt Adaptor
- 1Pce Timing Chain Tensioner Locking Pin
 - 2Pce Camshaft Locking Tools

APPLICATION

- Engine Models:

-**VAG** 2.5L / 2.8L / 3.0L / 3.2L (TSI / TFSI) Petrol Engine (6 Cylinders).
- Engine Codes:

-**2.5L** CLXB, CPAA.
-**2.8L** BDX, CCDA, CCEA, CHVA, CJBA, CNYA
-**3.0L** CAJA, CAKA, CCAA, CGEA, CGFA, CGWA, CGWB, CGWC, CGWD, CGXB, CGXC, CHMA, CHMB, CJTA, CJTB, CJTC, CJWC, CMDA, CMUA, CNA A, CREA, CREC, CRED, CTTA, CTUA, CTUD, CTVA, CTWA, CTWB, CTXA, M06/EC.
-**3.2L** CALA, CALB.
- Vehicle Models:

-**Audi** A4 (2014 - 2015).
-**Audi** A6 (2012 - 2018)
-**Audi** A8 (2010 - 2018).
-**Audi** S5 (2011 - 2017).
-**Audi** Q7 (2010 - 2018).
-**Porsche** Panamera (2011 - 2013).
-**VW** Touareg 3.0 TFSI (2012 - 2017).

-**Audi** A5 (2014 - 2017).
-**Audi** A7 (2010 - 2018).
-**Audi** S4 (2014 - 2017).
-**Audi** Q5 (2008 - 2017).
-**Audi** SQ5 (2013 - 2017).
-**Porsche** Cayenne S Hybrid (2010 - 2014).



DESCRIPTION

Suitable For Adjusting The Timing On 2.0L / 2.8L / 3.0L / 3.2L TSI And TFSI Chain Drive Petrol Engines.
For Alignment And Adjustment Of Engine Timing When Replacing The Cylinder Head Gasket Or Timing Chain.

CONTENTS

- 2Pce Camshaft locking tool.
- Crankshaft locking tool.
- Chain tensioner locking tool.
- Counterholding tool.
- Adjustable pin wrench.
- Spline bit socket for camshaft adjusting unit.

APPLICATION

- Engine Models:
 - VAG** 2.0L (TSI / TFSI) Petrol Engine (4 Cylinders).
 - VAG** 2.8L / 3.0L / 3.2L (TSI / TFSI) Petrol Engines (6 Cylinders).
- Engine Codes:
 - 2.0L** AXW, BLX, BLR, BLY, BMB, BVY, BVZ, CAEA, CDNB.
 - 2.8L** BDX, CCDA, CCEA.
 - 3.0L** CAJA, CAKA, CCBA, CMUA.
 - 3.2L** AUK, BKH, BPK, CALB.
- Vehicle Models:
 - Audi** A3 (2004-2007).
 - Audi** A6 Multitronic (2008-2011).
 - Audi** A6 Quattro (2008-2012).
 - Audi** Q5 I Quattro (2009-2012).
 - Audi** A4 Quattro (2004-2007).
 - Audi** A6 Quattro (2004-2008).
 - Audi** A8 Quattro Tiptronic (2005-2007).



DESCRIPTION

This Kit Has Been Specifically Designed As A Kit To Suit The Popular 2.7D / 3.0D TDI And TDI CR (Common Rail) Chain Driven Diesel Engine Found In The VAG Range. Includes Crankshaft And Camshaft Turning And Holding Tools.

CONTENTS

- Crankshaft TDC Locking Screw
 - Crankshaft Turning Tool - Type 2
 - Camshaft Sprocket Holding Tool
- Injection Pump / Camshaft Locking Pin
 - 2Pce Camshaft Locking Pins
 - 2Pce Tensioner Locking Pin
- Crankshaft Pulley Bolt Adaptor
 - Camshaft Alignment/Locking Tool

APPLICATION

•Engine Models: -**VAG** 2.7D / 3.0D / 4.0D TDI And TDI CR Chain Driven Diesel Engines (6 Cylinders).

•Engine Codes: -**2.7D** BPP, BSG
-**3.0D** ASB, BKN, BKS, BMK, BMZ, BNG, BUG, BUN, CAPA
-**4.0D** ASE

•Vehicle Models:

- Audi** A4 (8Ex) (2005-2008).
- Audi** A4 Cabrio (8HE/8H7) (2005-2009).
- Audi** A5 Coupe (8T3) (2007-2012).
- Audi** A6 quattro (4F2/4F5) (2004-2008).
- Audi** A8 (4E2/4E8) (2003-2010).
- VW** Phaeton (3Dx) (2004- 2007).

- Audi** A4 quattro (8Ex) (2005-2008).
- Audi** A4 quattro (8K2/8K5) (2007-2008).
- Audi** A6 (4F2/4F5) (2004-2008).
- Audi** A6 allroad (4FH) (2006-2008).
- Audi** Q7 (4LB) (2006-2009).
- VW** Touareg (7LA/7L6) (2005 – 2008).



DESCRIPTION

Allows The Engine Timing To Be Set And Checked On An Audi And Volkswagen Vehicle Fitted with 3.0 & 4.0L TDI Diesel Engines And Provides All The Timing Tools Required For Chain Removal, Timing Checking And Setting.

CONTENTS

- Crankshaft TDC Locking Screw.
 - Injection Pump / Camshaft Locking Pin.
 - Tensioner Pulley Locking Pin.
 - Auxiliary Drive Belt Tensioner Locking Pin.
- Crankshaft Turning Tool - Type 2
 - Intermediate Sprocket Turning And Holding Tool.
 - High Pressure Fuel Pump Locking Tool.

APPLICATION

- Engine Models:

 - VAG** 3.0D TDI Diesel Engines (6 Cylinders).
 - VAG** 4.0D TDI Diesel Engines (6 Cylinders).
- Engine Codes:

- 3.0D TDI CR	CRTC, CRTD, CRTE, CRTF, CSWB, CVMD, CVZA, CZVA, CZVB, CZVC, CZVD, CZVE, CZVF, CZZA, CZZB, DCPC, DCPE.
- 3.0D TDI MHEV	DDVB, DDVC, DDVE, DDVF, DEWA, DEWB, DHXA, DHXB, DHXC.
- 4.0D TDI CR	CZAC.
- 4.0D TDI MHEV	CVXB, DHVA, DMVA.
- Vehicle Models:

- Audi A4 (2015-)	- Audi Q5 (2017-2020)
- Audi A5 (2016-)	- Audi Q7 (2015-)
- Audi A6 (2014-)	- VW Amarok (2016-)
- Audi A7 (2014-)	- VW Touareg (2018-)
- Audi A8 (2017-2022)	



DESCRIPTION

For Use On 2.0L FSI/TFSI Petrol Engines.

CONTENTS

- Cam Belt Tensioner Locking Pin.
- Automatic Chain Tensioner Retainer.
- Camshaft Aligning Tool.
- Auxiliary Drive Belt Tensioner Locking Pin.
- Crankshaft Pulley Holding Tool.
- Chain Tensioner Retaining Screw and Nut.
- Cam Belt Tensioner Locking Pin.
- Two Pin Tension Wrench.

APPLICATION

- Engine Models:
- Engine Codes:
- Vehicle Models:
- VAG 2.0L FSI / TFSI Petrol Engines (4 Cylinders).

-2.0L AWA, AXW, AXX, BLR, BLX, BLY, BMB, BPG, BPJ, BPY, BUL, BVX, BVY, BVZ, BWA, BWA1, BWE,BWJ, BWT, BYK, CAWB, CCZA, CDLA, CDLB, CDLD

-Audi A3 (2003-2013).

-Audi A4 Avant (2005-)

-Audi A6 Avant (2005-).

-Seat Leon (2006-2009).

-Seat Exeo (2009-).

-Seat Altea (2006-2009).

-Skoda Octavia (2004-).

-VW Tiguan (2007-).

-VW Touran (2003-).

-VW Jetta 3 (2005-).

-Audi A4 (2000-2006).

-Audi A6 (2004-2012).

-Audi TT (2006-2014).

-Seat Alhambra (2010-).

-Seat Exeo ST (2009-).

-Seat Toledo III (2005-2009).

-Skoda Superb (2010-).

-VW Golf 5 (2004-).

-VW Passat 5 (2005-).

-VW Scirocco (2009-).



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