Gas & Diesel Locking Kit

**AS4740**

Comprehensive kit for locking pumps, cams and pulleys during belt tensioning or adjusting and aids in setting timing.

Includes: #2064, #2065A, #3359, #3369, #3418, #T10092, #T40011 & #V159.

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Pump Duese Diesel Timing Tool Kit

**AS4840**

- **Audi**: A2, A3, A4, A6, Cabriolet
- **Seat**: Arosa, Ibiza, Córdoba
- **Skoda**: Fabia, Octavia, Superb
- **Volkswagen**: Lupo, Polo, Fox, Golf, Borra, Jetta, Golf Plus, Passat, Beetle, Touran, Sharan, Caddy, Transporter Also fitted in Ford Galaxy from 1999.

**Engines**: 1.2 Tdi, 1.4 Tdi, 1.9 Tdi, 2.0 Tdi PD Diesel Engines

Codes: ANY, AYZ, AMF, ATL, BAY, BHC, BMS, BNM, BNV, BWB, AJM, AMG, ANU, ARL, ASZ, ATD, ATJ, AUY, AVB, AVF, AVQ, AWX, AXB, AXC, AXR, BEW, BJB, BKC, BKE, BLS, BLT, BMT, BPX, BRB, BRM, BRR, BRS, BRU, BSU, BSW, BTB, BUK, BVK, BVE, BVF, BZ, BZV, BZG, BWV, BWD, BKP, BLB, BMA, BMM, BMP, BMR, BNA, BPW, BRC, BRE, BRF, BRT, BUZ, BE, BVF, BVG, BVH, BWV.

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**VW & Audi Diesel Timing Tools**

**Engines**: 1V, 1Z, AAB, ACV, AHU, ALH, AWP, AWV, CS, CY, DE, MD, ME, MF

- **Injection Pump Lock Pin - 2064**
  - Holds injection pump gear during R&R of timing belt and injection pump.

- **Camshaft Lock - 2065A**
  - Holds cam in place during R&R of injection pump and timing belt and while setting timing. Also for AAZ engine.

- **Diesel Dial Gauge Adapter - 2066S**
  - Use to check and adjust injection pump timing. Includes extension for later AAZ and ALH pumps.

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**Camshaft Setting Gauge (Diesel) - 3418**

Use to adjust the position of the camshaft when setting injection pump timing or when reassembling cylinder head.

**VW Engine**: ALH

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**Diesel Pump Pin - 3359**

Use to test ECO and TDI diesel pump timing on engines with a divided pump gear.

**VW Engines**: AAZ, ALH, BEW, BHW 10/94 and later.

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**Belt Tension Pin Wrench - T10020**

Use to adjust belt tension on 1.9 diesel and 2.0L gas engines 2/98-2003.

**VW Engines**: AEG, AVH, AZG, ALH, BDC
Camshaft Lock Bars, Timing and Lock Pins

Twin Camshaft Holders V6 & V8
Use to align camshafts at TDC during timing belt changes or cylinder head reassembly. Use with #T10060A and #3242.

3243 - Audi 90, A4, A6 1994-97
Engine: AFC

3391 - Audi A4, A6, VW Passat V6 5 Valve 1998-2005
Engines: AHA, ATQ, APB & BEL

Crankshaft Locking Pins
Holds crankshaft at TDC (top dead center) when removing and installing toothed timing belt or flywheel/drive plate.

3242 - VW - AHA, ATQ, BCY & BDP
AUDI - AAH, AFC, AHA, AKB, ART, ATQ, AUX, AVK, AWN, AYS, BBD, BCY, BEL, BFM, BHF, BNK & BSB


Camshaft Locking Pins
3242

3391 - Audi A4, A6, VW Passat V6 5 Valve 1998-2005
Engines: AHA, ATQ, APB & BEL

Belt Tensioner Lock Pins
Use to lock tensioner of ribbed V belts during replacement or adjustment. Use with #3242, #3243 and #3391. THIS TOOL REPLACES #3204

Applications:
T10060A - AEB, AEG, AHA, AKB, AMB, APB, APH, ART, ATQ, ATW, AUG, AUX, AVH, AW, AWM AHN, AWP, AWV, AWW, AYS, AZG, BBD, BBW, BCY, BDC, BEV, BEW, BFM, BKF, BNU

Tensioner Lock Pin - T03006
Use to lock chain tensioner on 3.2L V6 engines.

VW - Jetta 2005-
Engine: BGP, BGQ

Tensioner Lock Pin - T40098
For locking toothed belt tensioning element.
AUDI - 4-cyl. petrol direct injection
2.0 ltr. turbo 4V engine

Belt Tensioner Lock Pin - T40011
Use to lock belt tensioner on non adjustable types. Set of 3.

Engines: AHA, AKB, APH, ART, ATQ, AUG, AUX, AVK, AWD, AWM, AHN, AWP, AWV, AWW, AYS, BBD, BCY, BDF, BKF, BNK, BSB
Vibration Damper Locks, Cam and Crankshaft Seal Tools

Vibration Damper Locks

3197
Locks crankshaft pulley to facilitate removal of damper bolt on 5 and 6 cylinder models.

3273 - VW VR6 1992-97 Engine: AAA

2084 - Use with 2079. Use #3256 for 7/91 and later models.
Audi - All 5 cylinder models up to 6/91 production.

Vibration Damper Lock V8 - 3211
Hold crankshaft vibration damper when adjusting timing. Use with 3199, 3204, V159.

Audi V8
Engines: ABH, PT 1989-94

Crank Pulley Wrench - 2079
Removes and installs crankshaft pulley nut on all 5 cylinder engines while in car.
Use with 2084, 3197 or 3256.
VW - Fox, Quantum
Audi - 4000, 5000, 100, 200, S4, S6, A8, V8

Torque Wrenches
For Timing and Belt Replacement

VAG1331 - TORQUE WRENCH 6-50Nm Inserts 9X12mm

VAG1332 - TORQUE WRENCH 40-200Nm Inserts 14X18mm

VAG1410 - TORQUE WRENCH 4-20Nm Inserts 9X12mm

These torque wrenches are essential for proper belt tensioning, timing and engine assembly.

SEAL INSTALLERS

Pulley Seal Installer. - #3202
Installs front crankshaft pulley seal.
VW Passat, Audi A4, A6, A8
Engines: AAH, AFC, AHA, ATQ, AVK, APB, ABZ, AEW

Cam Seal Installer Kit - #3241
Use to install seal(s) into camshaft on models 1991 and newer.

Oil Seal Driver - #10-203
Installs crankshaft pulley, camshaft intermediate shaft oil seals. 4 piece set.
VW & Audi Engines 1982 and newer.

OIL Seal Driver - #T10053
Guide sleeve and compression sleeve for installing the crankshaft sealing ring. Used on diesel 3 & 4 cyl. Diesel engines with pump injector.

SEAL PULLERS

35mm Long Body - #3240
Removes left and right front camshaft oil seals. Use with 2085/1 to remove left rear camshaft seal.
VW VR6, Audi V6

35mm - #3203
Removes front crankshaft (pulley) seal at the vibration damper. See seal installer 3202 and 2003/3.
VW & Audi late models.

32mm - #2085
Removes crankshaft (early), camshaft and cam position sensor seals. Use with 10-203, 3202, 3203, 3240, 3241 & T10071.
VW & Audi - All engines except diesel.

#T40019
Used when replacing crankshaft oil seal.

NEW
Timing Belt Tension Cam Service Tools

Belt Tension Tester - AS4395A
Universal application identifies proper belt tension. Allows testing of belts to determine whether replacement is necessary or new belt tension is correct.

Universal Cam Holding Tool #AS4394
Perfect for holding cam while inserting or removing locking pins.

Belt Tension Pin Wrench - V159
Use to adjust tensioner on models with small pulley (early type). See pin wrench #3387 for later large pulley type. Engines 1982-1997.

Belt Tension Pin Wrench - 3387
Use to adjust tensioner on models with large pulley (later type). See pin wrench #V159 for early small pulley type. 1.8 and 3.0L engines.

Belt Tension Pin Socket - T40009
Use to set belt tension on late model V6 and V8 engines. Use with torque wrench VAG1410 and VAS5122.

Camshaft Sprocket Puller
T40001
Use this special puller to remove the camshaft sprockets on a variety of VW and Audi camshafts. Includes 17mm and 23mm pulling arms. Same as #T40001. Replaces #3032.

VW & Audi Engines: AEB, AHA, AKB, ALH, APB, APH, ART, ATC, ATQ, ATW, AUM, AUX, AUG, AWD, AWM, AWN, AWP, AWV, AWW, AYS, BBD, BCY, BFM

Audi Engines:
- AEB, AHA, AKB, AMB, AMU, APB, ART, ATC, ATQ, ATW, AWM, AWN, AWP, AYS, BBD, BCY, BEA, BEL, BFM
- AAA, AEB, AHA, APH, ATW, ATQ, AUG, AWM, AWP, AWV, BKF, BNU

Cam Chain Tensioner Retainer - 3366
Use to hold the chain and tensioner in position during assembly and disassembly.

AUDI - AEB, AHA, AKB, AMB, AMU, APB, ART, ATC, ATQ, ATW, AUM, AUX, ART, AWW, BBD, BCY, BEA, BEL, BFM

VW - AAA, AEB, AHA, APH, ATW, ATQ, AUG, AWM, AWP, AWV, BKF, BNU

Viscosity Fan Wrench - #3312
Use to loosen and tighten viscosity fan clutch.

Audi - A4, A6, A8
VW - Passat
Engines: AHA, ATQ, AKB, AUB, AFC, AYS, AEW, APB, AVK, ART, AWN

Coolant Pump Wrench - VAG1590
Use to loosen and tighten bolts on coolant pump pulley.

VW - Golf, Jetta, GTI, Passat
Engines: AAA, ACC

Ribbed Belt Tensioning Wrench - #3299
Use to hold V belt tension when removing and installing V-belt.

VW - Golf, Jetta, GTI, T4 1991-1999
Audi - A6
Engines: 1Z, AAB, AAZ, AAF, ABA, ACC, ACU, ACV, AHU, AVK

Viscosity Fan Spanner - #3212
Use to remove and install the viscous clutch on radiator fan and central hydraulic pump pulley.

AUDI - A4, A6, A8
VW - Passat
Engines: AHA, ATQ, AKB, AUX, AYS, AEW, APB, AVK, ART, AWN, BCY, BFM, BKH
HALDEX CLUTCH FILTER WRENCH

#T10066

Used when detaching & tightening the oil filter of the haldex clutch. O2C and 02M transmission.

WHEEL HUB BOLT SOCKET

XZN SOCKET 18mm

#T10162

Used for removing and installing the wheel bearing/wheel hub unit, rear axle.

BELL HOUSING SOCKET

#T10099

Used for removing/installing bolts from engine to gearbox. 09A/09B 5-speed automatic gearbox. Used for removing/installing connecting link. Used when removing and installing drive axle.

AUDI 3.0L- AVK, BBK

Camshaft Adjustment Gauge Set - 3.0L V6

Use to lock and hold camshafts when adjusting the left and right camshafts. Set of 2.

#T40030

Audi - A4, A6 2000-2004, 3.0L- AVK, BBK

Crankshaft Locking Pin

Holds crankshaft at TDC (top dead center) when removing and installing toothed timing belt or flywheel/drive plate. # T40026 - AUDI - AVK (2000-2004), BBK

CAMSHAFT ADJUSTER SOCKET

Special groove nut socket to turn the camshaft adjuster into position.

# T40028 - AUDI - AVK (2000-2004), BBK
Spring Compressor Kit

#1117J

Compresses all types of MacPherson style coil springs front and rear. Includes three sets of jaws (2) for 75-110mm, 110-140mm and 140-190mm springs found in most vehicles with Macpherson struts. **Not designed for use with impact wrench.**

Wheel Bearing Removal & Installing Kit

#B90T

Use to remove front and rear wheel bearings on most vehicles. Our best coverage yet.

Quick Scan OBD-II Fault Code Reader

#OBD2-500

- Wider vehicle coverage with CAN Protocol support
- Displays DTC’s / Generic Codes P0, P2, P3, U0 and Manufacturer Specific
- Modes P1, P3, and U1
- Reviews **OBD2 monitor and I/M Readiness Status**
- Retrieves VIN (Vehicle Identification No.) on 2002 and newer vehicles that support Mode 9
- Resets Check Engine Lights
- Determines the malfunction indicator lamp (ML) status
- Displays Total # of Codes Retrieved
- Identifies and Displays Pending Codes
- Code Definitions Displayed on unit Screen
- Detects OBD-II Freeze Frame Information
- **Displays O2 Sensor Test**
- **View live engine data parameters (PIDs)**
- Internal 9 volt battery stores latest test results for off-car review and analysis
- Unit can be flash updated with a standard Windows PC via USB
- Includes comprehensive P1XXX Mfg. Specific codes manual.

Master Radio Removal Tool Kit

46 Pieces Domestic & Imports.

#B9059M

Kenwood II 1998-2001 & Ill (ab 2002)
Sony I since 2001 & II ab 2002
Pioneer & JVC
Panasonic to 2005 & from 2006
Mercedes Benz & BMW
Clarion - New & Old
Fiat Brava
Opel (GM)
Blaupunkt, Grundig, (VW, Audi, Ford)
Blaupunkt - New (since 2002) BMW
Becker - VW, Audi, Mercedes Benz, Porsche, Becker - New (since 2002)
VW
BMW, Opel - w/Linbus
Skoda - New (since 2002)
THE TERMINATOR

Reads:
- Voltage
- Frequency
- Duty Cycle

Includes:
- Terminator Probe
- Ground cable
- Extension Cord
- extra Probe tips
- Storage Box

The Terminator is a superior Logic probe combining the features of a DMM and oscilloscope but simplifying the display for technicians that want to find the pulse but don’t need the to see the trace.

VAG MASTER

The MaxiScan VAG405 code scanner is an OEM level diagnostic scan tool for most VW/Audis sold worldwide since 1990. Accurate, reliable and easy to use, the MaxiScanTM VAG405 is a time saver and a money maker.

Features & Benefits
- Works with Volkswagen, Audi, Seat, Skoda sold worldwide since 1990
- Reads and erases Diagnostic Trouble Codes (DTCs) of engine, ABS, airbags, transmission, radio, climate control(A/C), cent. elect., steering wheel, instruments, immobilizer, etc. (18 Systems)
- Turns off MIL lights of engine, airbags, ABS, A/T and most other systems
- C.A.N.(Controller Area Network) capability
- Resets oil service light
- Retrieves vehicle information (VIN)
- Displays I/M Readiness Status.
- Displays DTC definitions on unit screen
- System upgradeable via internet

Accessories
- User’s Manual
- OBD II cable
- USB cable
- Carry case

ISCAN-VASS

Complete VAG Scanner for all systems and protocols used in VAG vehicles.
- Volkswagen
- Audi
- Seat
- Skoda

• Live Data
• Fault Codes
• Controller Id
• Readiness Codes
• Component Activation
• Live Data Graphs
• Service Interval Reset
• Direct Pc Interface
• Coding and Programming
• Can Diagnostics (Slow & Fast)
VOLKSWAGEN COIL PULLERS

NEW for 2008

VOLKSWAGEN COIL PULLER KIT
VAG-CPK

This kit contains all the ignition coil pullers for servicing integrated coil, powerstage sparkplugs. Includes: #T10166, #T10094A, #T10099A and #T40039

#T10166
VW 8 and 12 CYL
AWA, ASN, BBK

#T10094A
VW Polo, golf 1.4, 1.6i
Caddy 1.4i, Bora
1.4L, 1.6L, Passat,
Touran 1.6L, Phaeton,
Transporter T4.

#T10095A
5 And 6 cyl, VW golf,
bora, 4 and 5 cyl.
VW Passat, 6 cyl,
Sharan, Touareg,
Phaeton

#T40039
VW 8 and 12 CYL
AWA, ASN, BBK

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