

ENGINE SERVICE TOOLS

STOP the Knock!

- Cam Phaser Knock on the 4.6/5.4L 3V Engines is Common in Older Models and Can Lead to Bigger Problems If Not Fixed
- There are Millions of Trucks on the Road with This Problem, But Until Now, There have Been Few Good Options to Permanently Fix the Knock
- This Kit Helps to Eliminate Any Knocking Noise Heard from the Front Valve Cover/Timing Cover Related to the Phasers
- All-in-One Kit Corrects the Cam Phaser Knock on ONE Engine
- Labor Guide Suggests 8½ Hours
- Easy to Follow DVD Instructions



SCAN FOR
INSTRUCTIONAL
VIDEO

**This Kit is the Only True,
Long Term Repair for
Ford Cam Phaser Noise
on the Market**



**Stop Saying No to Business
and Be Confident Your
Customers Will Be Satisfied!**

Ford Cam Phaser Noise Repair Kit (4.6/5.4 3V Engines)

SKU 494959
LMEF1503V **699⁹⁹**

Kit Includes:

- Wedge Tool for Easier Installation
- Programmer w/ OBD-II Cable
- (2) OEM Quality Phaser Bolts
- (2) Lock Outts
- Instructional DVD



Product Made by High-Performance Engine Specialists:



Ford, Livernois and logos featured or referred to on this page are the property of their respective trademark holders

SAVE \$10

Timing Gear Holder

SKU 544797 | 24387

39⁹⁹

REG: \$49.99

- Holds the Timing Gear in Place During Removal and Installation and Prevents It from Moving While the Retaining Bolt is Removed
- Allows the Cam Gear to Rotate to Align Valve Timing Marks
- Single Lever Locking Design is Easy to Use

Offer Good Through
September 30, 2015 -
While Supplies Last



OEM[®]

SAVE \$10

Camshaft and Crankshaft Seal Tool Kit

SKU 544799 | 24386

89⁹⁹

REG: \$99.99

- Easily Remove and Install Camshaft and Crankshaft Seals
- Compact Puller with Unique Extracting Hooks Engage Seal for Quick Removal
- Interchangeable Sleeves and Mandrels Allow Easy Installation of New Seal
- Suits Seals from 21.5 mm - 64 mm
- Sleeves and Mandrels Made from High Strength Fiber Glass Reinforced Polymer

Offer Good Through
September 30, 2015 -
While Supplies Last



Scan for Instructions on How to Use This Universal Seal Tool Kit

OEM[®]

Cam/Crankshaft Tools

Honda Crankshaft Pulley Holding Tool

SKU 217379 **39⁹⁹**

27176

- Holds Crankshaft Dampeners When Tightening/Loosening Crankshaft Bolts on Honda and Acura Engines 1990 to Present



OEM[®]

2-Piece CamClamp™ Set

SKU 238159 **24⁹⁹**

24360

STORE STOCK

- Specifically Designed to Retain Sprocket Wheels While Maintaining Proper Timing During Belt Service
- Simple to Use
- Installs in Seconds



OEM[®]

5-Piece Master Cam Clamp Kit

SKU 383452 **79⁹⁹**

27210

- Covers Most Single, Twin Cam and Quad Cam Engines
- Locks Camshaft to Hold Valve Timing During Timing Belt Replacement



OEM[®]

Ford 2.0L, 2.3L, 2.5L Cam Tool Kit

SKU 626108 **24⁹⁹**

24448

- Applications: 2.0L DOHC Engines Found in 1994-2003 Ford and Mercury, 2004-2012 2.5L DOHC, 2.3L DOHC 4V and 2.0L DOHC Engines in Ford, Mercury and Mazda, and 2.0L DOHC Engines in 1993-1994 Ford Probe



OEM[®]

Universal Cam Adjuster

SKU 222524 **41⁹⁹**

LIS38220

- Adjusts to Fit Different Sized Cam Sprockets
- Holds Cam Sprocket in Place When Removing Cam Bolt
- Works on All Single and Dual Overhead Cam Sprockets with Holes



DOHC Cam Lock Holder

SKU 291419 **39⁹⁹**

LIS36880

- This Versatile Tool Easily Locks and Holds Both Camshaft Sprockets Firmly in Place
- Preserves the Engine Timing During Belt or Chain Replacement



Universal Camshaft Bearing Tool

SKU 191677 **229⁹⁹**

27143

- Removes or Inserts Camshaft Bearings in Nearly All Engines
- Easy-On Bearings
- Range: 1.125" to 2.69"
- Set Includes Driving Shaft, Driving Shaft Extension, Expander Unit, (5) Split Driving Plugs, (2) Driving Collars and Center in Cone



OEM[®]

Piston Tools

OEM[®]

Piston Ring Compressor (2-1/8" - 5")

SKU 531921 **13⁹⁹**

25037

STORE STOCK

- Constructed of High Grade Spring Steel with 1/4" Square Drive Adjuster
- Beaded Edge Prevents Tool from Entering Cylinder with Pistons



Wrinkle Band Compressor

SKU 246373 **17⁹⁹**

25257

- 1-1/2" Deep Low Friction Wrinkle Band
- Fits 3" to 5" Pistons



NEW

OEM[®]

Piston Groove Cleaner

SKU 695604 **25⁹⁹**

33627038

- Blades are Set in the Wheel Which May Be Rotated to Bring the Desired Blade Into Position



OEM[®]

Piston Ring Compressor (3-1/2" - 7")

SKU 531947 **16⁹⁹**

25039

STORE STOCK

- Constructed of High Grade Spring Steel with 1/4" Square Drive Adjuster
- Beaded Edge Prevents Tool from Entering Cylinder with Pistons



OEM[®]

Piston Ring Compressor Set

SKU 526501 **34⁹⁹**

WLMW89410

- You Get Six Band Sizes for Multiple Applications and the Pliers Can Be Used Parallel or Perpendicular to the Cylinder Block
- Set Comes in a Blow Mold Case
 - 2-7/8" - 3-1/8" (73 - 79 mm)
 - 3-1/8" - 3-3/8" (79 - 86 mm)
 - 3-3/8" - 3-5/8" (86 - 92 mm)
 - 3-5/8" - 3-7/8" (92 - 98 mm)
 - 3-7/8" - 4-1/8" (98 - 105 mm)



OEM[®]

Ridge Reamer

SKU 532325 **31⁹⁹**

25051

- Capacity 3" to 5" (76 mm to 127 mm)
- For Use on Conventional and Slant-Block Engines



OEM[®]

Valve Tools

OEM[®]

Valve Spring Compressor

SKU 231210 **19⁹⁹**

25220

STORE STOCK

- Designed for Use on Most Trucks and Cars with Overhead Valves



Valve Spring Compressor

SKU 695603 **25⁹⁹**

33627040

- Used to Compress Overhead Valve Springs without Removing Cylinder Head
- Adjusts to Fit the Springs of Most Cars
- Features Sliding T-Handle for Close Clearances
- Rust Resistant Finish



OEM[®]



Parallel Lift Spring Compressor

SKU 516515 **71⁹⁹**

27075

- Strong But Light Frame - Weighs Only 6 Lbs.
- Works with Most Valve-in Head and L-Head Engines as Well as Truck & Tractor Engines
- Capacity 1" - 2" Springs
- Throat Depth 10"
- Includes Straight and Offset Jaws

OEM[®]

Push Rod Remover

SKU 459100 **24⁹⁹**

LIS48300

- Redesigned for Newer 3.5L and 3.6L GM Engines - Also Works on GM V6 2.8L, 3.1L and 3.4L
- Quickly Removes Push Rods to Replace the Intake Gaskets without Removing Rocker Arms



Ford Valve Spring Compressor

SKU 626111 **69⁹⁹**

24434

- Applications: 1991-2004 Ford Vehicles with 4.6L, 2V, V8 Engines; 4.6 4V, 5.4 V8 and 6.8 V10
- Works with Engine Removed or Installed, Cylinder Head On or Off
- Not for Triton 5.4 3V



OEM[®]



1-877-AZTool1 (phone)
(1-877-298-6651) *Hablamos Español*
aztool@aztool1.com (email)
www.aztool1.com (visit website)

AutoZone®

Tool & Equipment QUARTERLY

Fan Clutch Tools

Universal Fan Clutch Holding Tool

SKU 695089 **49⁹⁹**
33627171
• Adjustable Jaws Fit Most Water Pump Pulley Bolt Patterns, Including Pressed-On Pulleys



Universal Pulley and Fan Clutch Holder

SKU 547013 **69⁹⁹**
27281
• Fits Many Different Fan Clutches, Cam and Crank Pulleys With Slots or Holes
• Pin Sizes: 6-10 mm, 8-11 mm, 10-12 mm, 11-16 mm
• Adjustable Diameter: 1-1/2" - 8-5/8"



Universal Fan Wrench Set

SKU 080554 **73⁹⁹**
LIS43600
• Use on the Most Popular Applications
• Unique Hooked Wrench Design will Hold Bolted on Water Pump Pulleys by Applying Pressure Against Another Bolt
• The Double-Sided Spanner Style Holding Wrench will Hold Pressed on Pulleys on Many GM, Jeep and Dodge Vehicles



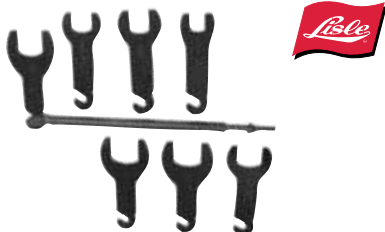
Fan Clutch Wrench Set

SKU 110280 **79⁹⁹**
27186
• The OEM Master Fan Clutch Wrench Set Combines OEM #27108 and OEM #27141 Into a Master Set
• Ideal for Removing Fan Clutches from Water Pumps
• Set Includes: 36, 40, 48, 54, 57, 68, 72, 76 and 83 mm Wrench Sizes



Pneumatic Fan Clutch Wrench Set

SKU 291409 **182⁹⁹**
LIS43300
• Quickly Removes and Installs Fan Clutch When Repairing the Water Pump or Fan Clutch
• Wrench Sizes are 36 mm, 1.5", 1-9/16", 41 mm, 42 mm, 1-7/8" and 2"



Fan Clutch Service Set for Mercedes-Benz and BMW

SKU 512958 **199⁹⁹**
27224
• Removes Lock Nuts on Thermo Viscous Fans Found on Mercedes-Benz, BMW and Many Ford Models
• Includes:
- (1) Mercedes-Benz Fan Clutch Wrenches - 36 mm, 40 mm and 65 mm Opening,
- (1) BMW Fan Clutch Wrench-3 mm Opening,
- (1) BMW Fan Clutch Holding Wrench - 38 mm and 44.5 mm
- (1) Mercedes-Benz Fan Clutch Holding Tool



Throttle Depressors

Throttle Pedal Depressor

SKU 222525 **31⁹⁹**
LIS48700
• Holds Throttle at a Constant RPM
• Tool is 40" Long



Drive-By Wire Depressor

SKU 511001 **64⁹⁹**
THX592
• Adjusts the RPM Level for Tune-Ups, Cylinder Balance Tests and A/C Work

THEXTON



Engine Cylinder Hones

Adjustable Engine Cylinder Hone Deglazer

SKU 532002 **31⁹⁹**
25041
STORE STOCK
• Range: 2" to 7" (51 mm to 128 mm)
• Spring Tension Adjusting Nut for Positive Cutting Action at All Speeds
• Supplied with 4" Medium Grit Stones



Replacement Stone Sets

SKU 141540 2541C 9⁹⁹ STORE STOCK • 3 Coarse Grit (#100)	SKU 532036 2541M 9⁹⁹ STORE STOCK • 3 Medium Grit (#220)	SKU 532044 2541F 9⁹⁹ STORE STOCK • 3 Fine Grit (#400)
--	--	--



Flex-Hone BC

10 mm (.394") 6.4 mm (.250")
SKU 341249 SKU 343384
BRMBC10M18 BRMBC64M24
19⁹⁹ 19⁹⁹



Flex-Hone GB

3-1/2" (89 mm) 3-1/4" (83 mm)
SKU 341239 SKU 341232
BRMGB31212 BRMGB31412
47⁹⁹ 47⁹⁹



3-3/4" (95mm) SKU 341317 BRMGB33412 53⁹⁹	4-1/8" (105mm) SKU 341325 BRMGB41812 57⁹⁹	4-5/8" (118mm) SKU 341332 BRMGB45812 63⁹⁹
CALL FOR ADDITIONAL SIZES		

Belt Tools

"Easy On" Stretch Belt Installer

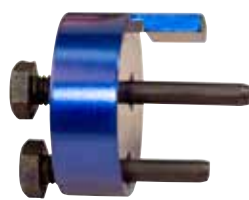
SKU 227303 **19⁹⁹**
24362
• Quickly and Easily Installs Stretch Belts



Stretch Belt Installation Tool

SKU 227301 **19⁹⁹**
24363
STORE STOCK

• Works on Both Large and Small Pulleys
• Clamping Jaw Allows User to Position Serpentine Belt without the Belt Slipping Out of the Tool



Stretch Belt Remover and Installer

SKU 255866 **22⁹⁹**
LIS59370

• Unique Magnetic Faces Hold the Tool in Place on the Pulley
• Compact, One-Piece Tool Can Be Used on the Front or Back Side of the Pulley



Serpentine Belt Tool

SKU 695121 **30⁹⁹**
33627115
• Provides Required Leverage and Clearance to Release Spring Pressure and Remove Tensioner Pulley



DID YOU KNOW?

AutoZone Will Lift the Current Belts You Stock and Replace Them with Quality DAYCO Belts at a Discounted Price.

Contact Your AutoZone Commercial Sales Manager for Details

Oil Pump Tools

Oil Pump Primer GM V6-V8

SKU 695591 **30⁹⁹**
33627060

• Used to Prime the Lubricating System of a Rebuilt Engine Prior to the First Start, Preventing a Dry Start

Oil Pump Primer Ford 1/4

SKU 695589 **25⁹⁹**
33627061

Oil Pump Primer Ford 5/16

SKU 695588 **25⁹⁹**
33627062



Clutch Tools

Self-Adjusting Clutch Tool Kit

SKU 291356 | 27209
649⁹⁹

• Used for Making Initial Adjustments on Optional Self Adjusting Clutch Replacement Assemblies



Clutch Alignment Tool

SKU 532622
25063 **19⁹⁹**

Bushing Range:
• Import: 12 to 12.7 mm, 15.8 to 16 mm, 17.4 to 18 mm, 21 to 22.2 mm
• Domestic: 0.561 to 0.590", 0.749 to 0.787" 0.812 to 0.874", 0.984 to 1.181"



Duramax Flywheel Lock

SKU 301613 **49⁹⁹**
LIS22100

• Locks Flywheel in Place When Removing Harmonic Balancer on 6.6L Duramax with Allison Transmissions
• Saves Time by Locking the Flywheel at the Transmission Instead of Having to Remove the Starter for Water Pump Replacement



Flywheel Turner

SKU 505066
LIS23800 **34⁹⁹**

• For Turning and Holding Flexplates and Flywheels
• Easily Turn Engine from Underneath the Vehicle

