Twin Cam Tools

**Jims Inner Bearing Remover**
Use to remove bearing assembly easily without damage to the crankcase. Tool will also keep pin rollers from falling into the case.
31513 All Twin Cam

**Jims Cam/Crank Sprocket Lock Tool**
Use to lock the cam shaft and crankshaft sprockets to properly remove, replace and torque the sprocket bolts. Made from non-marking Delrin.
31517 All Twin Cam

**Jims Cam Chain Tensioner**
Use to unload the pressure on the primary and secondary chain tensioners to assemble and disassemble cams. Will also check spring loads on chain tensioners.
31516 All Twin Cam

**Jims Cam Bearing Puller**
Use to remove the bearing from camshaft.
31514 All Twin Cam

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Section 18

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PRESTON CYCLE PRODUCTS INC.
Twin Cam Tools

Jims Crankshaft Bearing Tool
Use to remove and replace right crankcase bearing. Press bearing in and out straight without damage to the case.
31509  All Twin Cam 88 1999-on

Jims Crankshaft Guide
Use to spread crankcase pinion bearing rollers whilereassembling right side engine case on to flywheel assembly.
31566  All Twin Cam 88 1999-on

Jims Connecting Rod Bushing Tool
Use to remove and replace wrist pin bushings in Twin Cam without removing connecting rod from crankcases.
31508

Jims Wrist Pin Bushing Reamer
Use with rods in or out of motor. Use to ream wrist pins to HD specifications. Reamers are made to exact tolerances and piloted to locate from the I.D. of the newly replaced wrist pin bushing.
31548  Twin Cam

Jims Wrist Pin Remover
Easy to use tool requires only one person to remove wrist pin.
31510  Use on all models

Jims Crankshaft Bushing Tool
Use to remove and install crankshaft bushing in the support plate on TC-88.
31515

Jims Cylinder Torque Plates
These plates simulate stress conditions when boring and honing. Correct torquing sequence is lasered on surface. Can be used on Screamin Eagle big bore cylinders.
31518  All Twin Cam to 4”

Jims Camshaft Remover and Installer
Use to remove and replace front and rear camshafts and ball bearings in Twin Cams. It provides the precision alignment of the camshaft to ensure a smooth press in and out of the support plate.
31511  All Twin Cam

Jims Wrist Pin Remover
Easy to use tool requires only one person to remove wrist pin.
31510  Use on all models

Jims Outer Balancer Bearing Installer and Remover Tool
This tool removes and installs the outboard balancer bearing on the new 96” & 110” “B” Softail engine chain guide support plate.
31551  Use on all Softails 2007-on
Twin Cam Tools

Jims Camshaft/Crankshaft Locking Tool
Locks the gear teeth on the TC88 model engine.
31517

Jims TC Crankshaft Bearing Installer and Remover
Designed to protect expensive engine cases by using a specially designed support block to remove or install cam side crankshaft bearing. Use press fit lube on case and bearings while installing.
31565

Swing Arm Bearing Installer Tool
Use this tool to install both right and left swing arm bearings squarely on their bores to the installed depth on 2002-on FLT models. Replaces 45327.
26166

Jims Compression Release Valve Tool
Use this tool for machining all TC 1999-on heads for preparing heads to install Jim’s compression release valves. Install on the front or rear head, with or without the valves installed. Simply drill, spot face, tap and install compression release valves.
31586

Jims Inner Cam Bearing Installer
Use to install the two inner cam needle bearings on Twin Cams. It aligns to the shaft bores for a precision press fit.
31512 All Twin Cam

Jims Twin Cam Engine Stand
Powder coated, steel stand will simplify engine repairs.
31519 All Twin Cam (not FXST 2000)
**Jims Balancer Shaft Inner/Outer Bearing Remover and Installer**
This tool will pull the bearings out of “B” motor cases in one easy motion preventing any damage to the bearing bores. The installing portion of this tool is designed to push on the outer diameter of bearings preventing any damage to the bearing or its bore. Includes thrust bearing for use on TC88B models 2000-on. Use installer portion with tool #31438.

31585

**Jims Balancer Shaft Alignment Tool**
This tool takes the guess work out of setting up your sprocket and chain alignment on a “B” Twin Cam Softail engine. Treat this tool with great care, just as you would treat a micrometer.

31584 2000-on Twin Cam “B” Softail models

**Jims Late Sealed Wheel Bearing Remover & Installer Kit**
Use to remove and install late new style sealed wheel bearings without damaging the wheel.

31587 2000-on TC, XL and Buell models

**Jims Balancer Shaft Retention Pins**
Use this tool to secure the engine balancers on TC 88 “B” engines when servicing the flywheel assembly. This tool locks into the balancer’s sprocket pin holes to prevent the balancer from turning out of sync with the flywheel.

31492 2000-on TC “B” model Softails

**Jims Cam Gear Remover BT 1970-99**
Use to remove the cam gear from the camshaft on BT models. This precision tool acts as a stable base to keep the camshaft perpendicular to the press. A 3/8” ball bearing is included to protect the camshaft’s end while pressing off the gear. For use with Jims cam gear alignment tool.

31589 1939-99 BT camshafts with pressed on camshaft gears
31538 1970-99 Single cam gear alignment tool
**Twin Cam Tools**

**Jims Balancer Shaft Removal Tool**  
This tool is designed to remove both front and rear counter-balancer shaft bearing assembly from the left engine case of the 96” and 110” Beta engines.  
31905 Use on Softail 2007-on

**Jims Bearing and Race Puller Tool**  
This tool is designed to remove the flywheel sprocket shaft inner bearing race with the supplied Jims T-bar and hardware. For use on Twin Cams 2003-on. Use to remove Timken bearing #9028 or #9029 for 1955-on models and Jims 120” engines. Use to remove the flywheel sprocket shaft inner bearing race or the Timken bearing. Also removes pinion shaft inner bearing race on 1954-on Sportster, including all Buells. Use to correctly remove press fit transmission gears and bearings from input and output shaft on all V-ROD 2002-on.  
31903

**Jims Main Drive Gear Seal Installer Tool**  
Use to install the main drive gear oil seal (12077) to the proper depth with transmission assembled. Includes a protective sleeve for seal. Works without removing transmission from frame. The sleeve can also be used when installing transmission assembly by protecting the main drive gear inner bearings.  
31906 Use on 2006-on present FXD and 2007-on FL, FXST

**Jims Starter Ring Gear Rivet Fixture Tool**  
This tool is designed to remove the starter ring gear rivets from BT clutch shells to install Jims #639 and #640 or equivalent performance starter ring gears.  
31902 Use on 1990-06 FL, FXST and 1990-05 FXR, FXD

**Jims 25mm Wheel Bearing Puller Tool**  
This tool is used to remove the front 25mm HD wheel bearings on most of the 2007-on Softail models. This tool must be used with Jims wheel bearing installer/ remover tool #31587.  
31598 Use on 2007-on front wheels of FXST, FLSTC, FXSTB, FXSTD, FLSTN, FXSTC

**Jims Inner Primary Cover Bearing and Seal Installer/Remover Tool**  
Designed to safely remove and install the inner primary bearing (9135) without any damage to the new bearing. This is done by pushing on the outer perimeter of the bearing. Also removes and installs inner primary seal (12052A). This is the bearing and seal that the transmission main shaft passes through.  
31901 Use on late 1984-06 FXST, 1985-06 FL, 1985-06 FXR, FXD
Jims Timken Bearing/Race Installer Adapter Kit
This tool will upgrade Jims #97222-55 bearing installer tool to work on the fine spline Twin Cam sprocket shafts. Designed to either install (8028) Timken bearing or the roller bearing race assembly (24004-03) onto the sprocket shaft.
31910 Use on BT 2006-on FXD or 2007-on FXST, FL. Also use on Jims 120" engines

Jims 49mm Fork Seal and Dust Shield Installer Tool
This tool is designed to install the lower leg 49mm fork seal squarely into the bore without damaging the seal lip surface. Also used to install the dust shield cover. It is a two-piece design to aid in some assembly applications.
31900 Use on all FXD 2006-on and all VROD 2002-on (except inverted fork models)

Jims Oxygen Sensor Socket Tool
This tool is used to remove or install the oxygen sensor on all closed loop fuel injected H-D models. Socket has a 3/8" drive receiver or can be used with a 7/8" wrench. Socket will withstand up to 125 ft/lbs of torque.
31912 Use on all EFI models 2006-on

Jims Twin Cam Timken Case Bearing Conversion Tool
This tool is a must for the big cubic inch late model Twin Cam engine builder. It may also be used to replace bearing for stock 88" or 96" engines. Utilizing the special Jims precision insert, it is designed to easily and accurately convert the left side crankshaft roller bearing (24604-00D) to the more durable Timken bearing (9028). This insert is manufactured from aluminum that is several times stronger than the aluminum case material the standard bearing rides in. Conversion can be performed with normal hand tools, a hand drill, and a two ton press.
The tool includes:
-steel bearing insert held to under .0002" total indicator reading
-a press plate that will hold the bearing insert inline with the case bearing bore at the time it is being pressed into the case
-drill bits to drill oil feed and return holes and hardware.
31555 Use on Twin Cam engines 2003-on. Must also use tool #31558 for race installation. Order bearing inserts and Timken bearings separately.

Jims Balancer Shaft and Bearing Installer Tool
This tool was designed to align and safely install a new balancer bearing and counter-balancer shaft into the Twin Cam 96" or 110" "B" Softail engine case. For removal of the balancer shaft from the engine case use Jims tool #31905.
31907 Use on 2007-on FXST

Jims BT Clutch Assembly Service Tool
This tool will safely disassemble and assemble the clutch shell assembly. Easily removes and installs the clutch hub from its bearing. Safely removes and installs the clutch shell ball bearing (37906-90) without any damage to the new bearing. This is done by pushing on the outer perimeter of the bearing.
31911 Use on all BT 1990-on

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This tool will safely disassemble and assemble the clutch shell assembly. Easily removes and installs the clutch hub from its bearing. Safely removes and installs the clutch shell ball bearing (37906-90) without any damage to the new bearing. This is done by pushing on the outer perimeter of the bearing.
31911 Use on all BT 1990-on
**Jims Cam Cover Holding Tool**
Use tool to hold cam cover for removing and installing bushings. Clamps in vice or mill. Holds cam cover flat and keeps it from being scratched.

31423  BT 1970-99 (1041-TC)

**Jims Cam Cover Reamer Tool**
This tool allows reaming of the cam cover bushing without disassembly of the crankcases by piloting off of the cam bearing. For the best cam alignment possible, your cam bushing is line reamed to your inner cam bearing.

31539  BT 1970-on including S&S and aftermarket motors

**Jims BT Engine Rotator-Flywheel Sprocket Shaft Tool**
Use to rotate the flywheel assembly when doing pushrod adjustments, building big inch engines, or when checking operating clearances. Also can hold the flywheel assembly from rotating when torquing the cam drive sprockets retention bolts on Twin Cams or pinion shaft nut on single cam models.

Features a long socket making it easier to use without the use of 1/2” drive extension on your 1/2” driver. For engine bench work Jims recommends the engine be bolted into an engine stand. Use stand #31431 for Shovel, Pan and Evo engines. Use #31519 stand for all “A” engines, early and late 1999-2007 Twin Cam FL, FXD. Use Jims stand #1668 for all 2000-2006 FXST.

**Jims Cylinder Jig Assembly**
Use to repair stripped damaged cylinder base threads up to 4” bore in engine case. Tool will hold centreline and squareness to where factory intended them to be.

31532  BT 1984-on single cam only including aftermarket and S&S motors, XL 1986-on and Buell 1987-on

**Jims Flywheel Sockets**
Heat treated, low profile sockets provide 100% nut to socket and drive end contact. Machined flat at the receiving end to prevent rounding off the nut.

**BT Late 1983-on Single Cam Only**
Use to install or remove crank pin nut no. 23969-83.
31416  1-1/2” x 1/2” drive

**BT Late 1981-89**
Use to install or remove pinion shaft nut no. 24016-80.
31417  1-1/4” x 1/2” drive
31503  1-1/4” x 3/4” drive

**BT 1972-on Single Cam Only**
Use to install or remove sprocket shaft nut no. 24017-80.
31418  1-5/8” x 3/4” drive

**Jims Oil Pump Snap Ring Installer**
Jims tool easily installs outer snap ring on oil pump shaft without over stretching the ring.

31498  BT oil pumps single cam only including S&S and aftermarket motors

**PCP Application**
31908  BT 1955-06 except 2006 FXD. Use on 1999-05 FXD
31909  Use 2006-on FXD and 2007-4-on FXST, FL

**IMPORTANT: Not for pneumatic or electric impact. This tool is only guaranteed for use with hand drivers.**

**Jims Oil Pump Snap Ring**
Use on 1999-05 FXD

31419  1-3/8” x 3/4” drive
31504  1-3/8” x 3/4” drive

**XL 1981-on and Buell 1987-on**
Use to remove or install crank pin nut no. 23901-81.

31419  1-3/8” x 3/4” drive
31504  1-3/8” x 3/4” drive

**IMPORTANT: Not for pneumatic or electric impact. This tool is only guaranteed for use with hand drivers.**

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**IMPORTANT: Not for pneumatic or electric impact. This tool is only guaranteed for use with hand drivers.**
Jims Cam and Pinion Bushing Drill Jigs
Allow the installation and drilling of a dowel pin to factory location supplied with #31 drill.

PCP Type
31401 Cam BT 1970-on (25581-70)
31402 Pinion BT 1954-92 (25582-54, 25582-73)
31494 Pinion BT 1993-on (25582-93)
31403 #2 Cam XL 1957-90 (25588-57)

Jims Cam Seal Installer / Remover
31533

Trock Cam Bearing Tools
Tool pictured (#26092) will remove OEM 9028 Big Twin Torrington bearing and #26093 will install a new bearing

26092 Bearing removal
26093 Bearing installer

Jims Twin Case Lap Tool
Jims case lap is guided on both sides of the pinion bearing race. This additional support on the cam gear side of the bearing race is achieved by means of a bolt on base plate that precisely locates a drill bushing in which the lap turns. Instead of guiding only from the left side, Jims case lap uses a special ground bearing sleeve to hold left side of lapping shaft without movement. Both ends of the lap are supported in precisely the same centerline as the flywheel assembly. With this extremely rigid arrangement it is possible to power the lap with a low speed drill motor without chatter in the lapped bearing race. Can also be powered by a conventional hand crank. To do a 4 speed transmission case, Order PCP# 31409 with this tool.

31472

Jims Oil Pump Seal Installer
Installs oil pump seal perfectly below gear surface for a no leak fit.

31499 Use on all aluminum BT pumps, single cam only including S&S and aftermarket motors

31495 No. 31 drill bit for all model jigs above

31590 Staking pins for above (10 pk)

Motor Stands
PCP Fits
2831 Motor Stand Big Twin 1941-99 (96815-46)
Rowe Flywheel Rebuilding Jig
Top quality, aluminum-alloy flywheel rebuilding jig for all Harley wheels. Simplifies all flywheel rebuilding. Comes complete.
3029

Jims XL Timken Bearing Puller
Tool removes the inner Timken bearing from sprocket shaft without removing the shaft from flywheels.
31424  XL 1977-on, Buell 1987-on

Jims Snap Ring Installer and Remover
Use to remove and install the Timken outer race snap ring in BT 1969-on cases. Especially good for use in cases without inserts and to prevent aluminum gouging in 1990-on cases.
31559  BT 1969-on including Twin Cam 88, aftermarket and S&S motors

Jims Early Big Twin Timken Bearing Remover
Use to remove Timken bearing from sprocket shaft without removing shaft from flywheels.
31425  BT 1955-85 stock flywheels

Jims Big Twin Timken Bearing Remover
Use to remove the sprocket shaft Timken bearing on BT 1986-on with an integral sprocket shaft.
31522  BT 1955-on includes TC-88

Jims Sprocket Shaft Holder
Use to hold the flywheel assembly in vise with or without left case attached.
31556  BT 1955-on includes TC-88, S&S and aftermarket motors

Jims Starter Jackshaft Seal Installer Tool
This tool is designed to align and easily install the starter jackshaft seal (12066) without distorting or damaging the seal. This seal is located in the upper part of the inner primary of Big Twins.
31904  Use on Twin Cam 1999-06 FL, 2000-06 FXST, 1999-05 FXD and BT Evo 1994-00.

Jims Sprocket Shaft Seal Installer
Use this kit to install the sprocket shaft seal to the proper depth and also for holding the seal square for a no leak fit. Driver handle sold separately.
31554  XL 1974-03

Jims Cam Bearing Tool
For use with handle no. 31438 to install inner cam bearing. Handle slips through the outer cam bushing for alignment. All Jims bearing installers are designed with an angle to apply all the pushing force to the extreme outer diameter of the bearing.
31485  BT 1958-on single cam only all aftermarket and S&S motors
31486  XL 1957-90, Buell 1987-90

Race and Bearing Install Tool Handle
Handle slips through the outer cam bushing for alignment. Approx. 12” long.
31438
Bottom End Tools

**Eastern Crankcase Lapping Tool**
Aligns left and right main bearing races as well as lapping to size on all Sportsters, & Big Twins.
- 2849 Complete tool
- 2850 Replacement Lap Head 1-1/2
- 2851 Replacement Lap Head 1-3/8
- 2852 Replacement Lap Head 1-3/4

**Eastern Lapping Tools**
Use for precision alignment of engine and transmission shafts. Engine unit replaces 96710-40 to lap right and left crankcase races for oversize bearings. Trans tool insures proper fitting of oversize rollers with mainshaft races on Big Twins and Sportsters. A dual purpose "Combo Lap" for both engine and trans use also available. We stock the replacement cutters for both tools.
- 2849 Engine Cpt.
- 5875 Combo Cpt.

**Eastern Rod Lap Tool**
Big Twin and Sportster. This tool is for lapping connecting rod bearing races when fitting new rod rollers.
- 2838 Tool with 2 cast iron laps
- 2839 Lap head only 1-1/2"
- 2840 Lap head only 1-5/8"
- 26001 Spanner wrench

**Preston’s Rod Race Tool**
Supports both sides of rod as races are removed or replaced minimizing the possibility of distortion to female rod or race.
- 2857 All Twins

**Cam Cover Pullers**
Easily remove BT 1970-99 cam covers without prying on gasket surfaces.
- 26042 Trock puller
- 5863 Preston’s puller
**Bottom End Tools**

**Jims “Taller” BT Engine Stand**
Powder coated stand is 1-1/2” taller to fit all BT cases for engine repair. Features notch for crankcase breather fitting.
31431 BT single cam only includes S&S and aftermarket motors

**Jims Rod Race Tool**
Supports both sides of rod as races are removed or replaced, minimizing the possibility of distortion to female rod or race.
31428 All BT single cam only includes S&S and aftermarket motors

**Clover Oil Based Lapping Compound**
16 Oz. can. Use on valves for a good seal and with all Jims lapping tools. Available in 2 grits - 1 for roughing-in and 1 for finish work.
31591 Coarse 220 grit (micron finish of 32)
31592 Fine 320 grit (micron finish of 16)

**Jims Rod Alignment Tool**
Use to check rod straightness without removing rods from case. The alignment tool is 4-1/2” long.
31436 BT single cam only, including S&S and aftermarket motors

**Jims Rod Lapping Set**
Arbor assembly includes 1-1/2” and 1-5/8” laps.
31473 All BT single cam only includes S&S and aftermarket motors
31474 1-1/2” lap head only
31475 1-5/8” lap head only

**Jims Lap Head 1-1/2”**
Used in rod lapping set PCP #31473.
31474 96740-36-4

**Preston’s Rod Clamping Tool**
Holds connecting rod when fitting piston pin bushing on all 74 & 80 model Twins.
5876

**Jims XL Engine Stand**
Powder coated, steel bench stand simplifies engine overhaul.
31432 XL 1957-on, Buell 1987-on
**Eastern's Bushing Reaming Tools**  
Big Twins and Sportster (pinion bushing in cam cover)  

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**Jims Pinion Bushing Puller**  
Use to remove pinion bushing from cam cover in one easy operation. Use with PCP# 31423, cam cover holder.  
(95760-TP).  
31412  BT 1954-99

**Jims Cam Bearing Puller**  
Used to remove inner cam bearing, caged Torrington, without splitting cases while preventing rollers from coming out during removal.  
31411  BT 1958-99 (95760-TB)  
31489  XL 1957-90 (95760-XL)  
31513  Twin Cam 1999-06 (1279)

**Preston's Gear Shaft Nut Socket Wrench**  
Fits the pinion gear nut which secures pinion to gear shaft 1955-89. OEM 94555-55.  
2826

**Jims Race/Bearing Install Handle Tool**  
31438  33416-80

**Sprocket Shaft Installing Tool**  
PCP Fits  
2834  Sportster 1957-on (97081-54)  
2835  Big Twins 1955-on (97225-55)  
31483  As above, Jim's Machining

**Jims Cam Seal Installer**  
This tool facilitates the installation or removal of a seal with the cover removed.  
31533  Jims BT 1970-on

**Jims Cam Bearing Puller**  
Used to remove inner cam bearing, caged Torrington, without splitting cases while preventing rollers from coming out during removal.  
31411  BT 1958-99 (95760-TB)  
31489  XL 1957-90 (95760-XL)  
31513  Twin Cam 1999-06 (1279)
Preston’s Cam Shaft Needle Bearing Installing Rods
Used to install cam shaft needle bearings on both Big Twins and XL’s. Tool for all Big Twins replaces OEM #97272-60. Tool for all XL’s replaces OEM #97273-60.
5828 Big Twins
5829 All XL’s

Tappet Guide Alignment Tool
1. Snug 5894 in screw hole on tappet block nearest the tappet oil feed hole.
2. Install and tighten other three screws.
3. Remove 5894 and install fourth screw.
4. Tappets are now aligned properly with the CAM.

Preston’s Pinion Bushing Tool
Positions pinion bushing in cam cover on all 1970-on Big Twins to correct depth.
5862

Preston’s Drive Handle
Replaces #33416 to drive wheel race, crank bearing race and cam needle installers.
5861

BT Alternator Rotor Puller
The puller uses the sprocket shaft end to centre and the two threaded holes in rotor for rotor removal.
26076

Preston’s Bearing Race Press Plug
Used to remove and install Timken Bearing Outer Race.
PCP
1885 1955-on Big Twin (97194-57)
5878 1977-on XL
S&S HD Flywheel Balancing Kit
S&S master flywheel balancing kit enables the average repair shop to perform balance jobs on most any O.H.V. BT and XL 1957-99. This includes all V2 1340, 883, 1100 and 1200 engines.
530011  Triple beam gram scales
530027  Master balance kit with scales for all models to TC

S&S EVO Cylinder Torque Plate Kit
Simulates stress conditions when boring and honing EVO Cylinders. Machined from chrome moly steel, accommodates all BT 1340 and Sportsters 883-1100-1200 cylinder and 3-5/8 S&S Cylinder. As pictured, up to 3-5/8” bore.
530016  S&S

Degree Wheel Kit
530020

Crankpin Nut Clearing Gauges
530005  Big Twins 1958-99

Connecting Rod Checking Pin
This pin is used to check connecting rod alignment after rods have been installed in flywheels and lower end is assembled. Pin is 4-1/2 inches long and .7920” to .7923” in diameter, hardened to R.C. 45 to 50. Pin fits both Sportster and Big Twin rods.
530002

S&S Crankcase Oil Passage Drilling Jig
The Crankcase Oil Passage Drilling Jig is designed to help the H-D Big Twin engine builder update early crankcases when installing an S&S oil pump assembly. This fixture enables the builder to do four crankcase drilling modifications.
530013  Drilling jig
**Bottom End Tools**

**Jims Sprocket Shaft Protector**
Hardened end cap protects the shaft when using a press.
31553

**Jims Pinion Gear Lock Tool**
For applying torque to the pinion nut on BT1954-99 models. Use Jims tool #31461 to tighten pinion nut.
31541

**Jims Timken Bearing Race Installer**
Use to press a race in straight in the left side crankcase on BT 1969-99 and XL 1977-on models. For 1969-on Big Twin use Jims tool #31459.
31558

**Sifton Cam Gear Tool**
Tool makes it easy to time and install cam gears for the quietest possible cam gear train. +/- 4-8 degree timing as well as 0 degree for stock. Include alignment-press fixture, cam gear degree index pins, camshaft index pins for most makes of cams and instructions. Fits BT models to 1999 except Twin Cam 88°.
26150

**Jims Cam Bearing Installer**
Use tool for inner Torrington bearings 9058 on BT 1958-99 models.
31535

**Jims Tappet Oil Filter Screw Plug Tool**
Use on BT with slotted screw.
31547

**Cam End Play Checker**
Features dual indicator for 1970-on models
26075
Jims BT Sprocket Shaft Bearing Installer Tool
Use to install crankshaft assembly into crankcase Timken bearing.
31483 BT 1955-on including TC, S&S and aftermarket motors

Jims Breather Reamer Tool
Use to repair a damaged breather hole to .030" oversize. No need to disassemble the cases.
31562 BT 1936-on

Jims Motor Sprocket Shaft Seal Install Tool
Use to press oil seal over sprocket shaft into case, use with tool #31483
31458 BT 1969-on including TC, S&S and aftermarket motors

Jims FL Power Train Alignment Tool
This tool easily and safely aligns the Power Train, (rubber mounted engine, transmission and swingarm assembly) to the correct position as found on most touring models. Alignment service must be performed when the engine, transmission or swingarm has been removed or repaired. The safety in handling and performance of the motorcycle could be greatly effected without the accurate alignment this tool provides.
31546 Use on 1993-on FLHT models

Jims Sprocket Shaft Bearing Installation Tool
Use to install crank shaft assembly into crankcase Timken bearings. Use with # 31480. Use tool #31453 to install the bearing until tool runs out of threads, then install #31454 to push the bearing on the rest of the way.
31453 2.060" long XL 1977-on, Buell 1987-on
31454 2.500" long XL 1977-on, Buell 1987-on

Jims Crank Assembly Removing Tool
Use to press flywheels from cases. Will also press cases apart and break sealant bond. Some case pressing will require a hard cap # 31553.
31488 BT 1955-on including TC, S&S and aftermarket motors

Jims Sprocket Shaft Bearing Installation Tool
Use to install crank shaft assembly into crankcase Timken bearings. Use with # 31480. Use tool #31453 to install the bearing until tool runs out of threads, then install #31454 to push the bearing on the rest of the way.
31453 2.060" long XL 1977-on, Buell 1987-on
31454 2.500" long XL 1977-on, Buell 1987-on

Bottom End Tools

Preston Cycle Products Inc.

18-16
**Jims Pinion Gear Nut Socket**
Use to remove or secure pinion gear nut to pinion gear shaft. 1/2” drive. Use with locker tool #31541.
31461 BT 1955-99

**Jims Sprocket Shaft Bearing Race Tool**
Use to remove and install Timken bearing race from motor case. Use with handle #31438.
31459 BT 1969-on including TC, S&S and aftermarket motors

**Jims Pinion Gear Installer and Puller**
Use to remove pinion gear on BT 1939-89.
31479

**Jims Sprocket Shaft Bearing Race Tool**
Use to remove and install Timken bearing race from motor case. Use with handle #31438.
31460 XL 1977-on, Buell 1987-on

**Jims Race and Bearing Install Tool Handle**
Approximately 12” long. Use with tool #31437, 31449, 31460, 31485 & 31486
31438

**Jims Tool Driver Spacer**
Spacer applies outward force on the bearing race tool to grip the race better, allowing easier removal of race. Use with driver tools #31437, #31459, etc...
31557 Use on all bearing race tools

**Crane’s Cam Installation Tool**
This tool comes with easy instructions for the mechanic to install Crane’s adjustable pushrods without removing the gas tank or rocker covers. In all FL/FX engines with adjustable pushrods, Crane’s new tool makes it quick and easy to make cam changes. No longer do you have to remove pushrods, pushrod covers, tappets, or tappet guides. Your tappets NEVER have to fall out of the guides while doing cam changes in any of your FL/FX engines. Also works on all Evolution Big Twins.
34544 1936-92 Big Twins

**Bender’s Tappet Roller Tool**
This high quality American-made tool makes a time-consuming job easy to handle. It prevents damage to the tappet body during the removal and replacement of all types of tappet rollers. Fits the tappets of all Big Twin and Sportster® models including Evolution® models.
5874 Sold each

PRESTON CYCLE PRODUCTS INC. 18-17
Bottom End Tools

Jims Late Shovel and Evo Tappet Block Alignment Tool
Use to align oil hole from crankcase to tappet block. Using two will allow alignment of rocker boxes on Evo heads.
31440  BT Late 1976-on single cam including aftermarket and S&S motors (1/4-20 threads)

Jims Cam Bearing Gauge
Use pins to check if your cam is too tight or too loose. A tight cam can eat up the end of the journal and cause other problems. A loose cam can be noisy and cause cam, bearing and roller wear.
31537  BT 1958-99 single cam only including S&S and aftermarket motors (sold in set of 2)

Jims Cam Bearing and Bushing Alignment Tool
Use to check the alignment of cam bearing to cam cover to well within .0003” of centerline.
31536  BT 1970-on single cam only including S&S and aftermarket motors

Jims Cam Shovel and Evo Tappet Block Alignment Tool
Use to align oil hole from crankcase to tappet block. Using two will allow alignment of rocker boxes on Evo heads.
31440  BT Late 1976-on single cam including aftermarket and S&S motors (1/4-20 threads)

Jims Cam Bushing Line Reamer Tool
Use to line ream cam cover bushing to size from inner cam bearing for a true centerline between the two dimensions. Finish size will be about .0008” to .0015” over the cam journal.
31408  BT 1970-on single cam only including S&S and aftermarket motors

Jims Pinion Bushing Line Reamer Tool
Use to line pinion bushing in cam cover from right case race.
31491  BT 1954-on single cam only including S&S and aftermarket motors and also XL idler gear bushing

Sifton Magnetic Tappet Lifter
Holds tappets up while changing cam on all Evo BT engines. Pair.
26141
**Rowe Valve Guide Install Tool**
This single tool will, with the correct socket, accurately set the height and install all guides, including shouldered, shoulderless and snap ring types for all Harley OHV motors 1948-86. Sockets must be purchased separately.

- **4435** Valve guide driver 5/16
- **4436** XL Intake socket
- **4437** XL Exhaust socket
- **4438** Evolution intake & exhaust socket

**Valve Guide Driver Tool Set**

- **2829**

**Valve Guide Seal Installer**
Installs the valve guide seals to proper height without damage for all Shovelheads (OEM 35103).

- **5897**

**Valve Travel Checkers**
These fixtures are the easiest, quickest, most accurate method of measuring valve travel. If you do more than two head set ups in a year, these tools are worth owning. Supplied complete as illustrated. If valve guides or springs do not have proper clearance, a valve checker will pinpoint the problem easily.

- **230090** Evolution valve checker

**Jims W/ Pin Bushing Reamer**
Use with rids in or out of motor. Use to ream wrist pin bushings to HD specifications.

- **31549** BT with late diameter size wrist pins 1973-99 (includes all aftermarket motors)
- **31550** XL 1957-on, Buell 1987-on

**Evo Cylinder Tools**
Allows installation of stud to correct height or removal by locking to stud.

- **26094** Assembly tool
- **26095** Extracting tool

**Rear Intake Valve Spring Compressor**
Compresses intake valve spring on the rear cylinder of the FXST (1340cc only) so that the rocker box can be removed while the engine is still in the frame. It does this without damage to the valve stem, valve spring, or rocker cover. (OEM 34641).

- **5895**

**Jims Piston Support Plate**
Use this tool to install your rings and cylinders by providing a non-marring flat support to push the bottom of the piston agents as you install the rings and cylinder over the piston.

- **31588** Use on all HD style engines

PRESTON CYCLE PRODUCTS INC. 18-19
Rocker Arm Bushing Installer
Jims, use to install rocker arm bushings in rocker arms with or without a press. Installs each bushing to the correct depth for the best oil control. Can be used on all aftermarket rocker arms.
31529   BT 1966-on, Twin Cam 88, XL1957-on and Buell 1987-on

Jims Head Holder Tool
Use to hold head in vise through spark plug hole. Has 14mm and 12mm ends. Allows easy positioning of head for all types of work. Can be used on all BT 1948-on including Twin Cam 88 and all aftermarket heads.
31523   For use on BT 1948-on, XL 1957-on, and Buell 1987-on

Jims Rocker Bushing and Roller Bearing Puller
Use to remove rocker bushing or bearing in one easy operation. Use on BT 1966-on and Twin Cam includes all aftermarket rocker arms.
31490   Use on BT 1966-on, Twin Cam, XL 1957-on and Buell 1987-on

Valve Spring Compressor Tool
Jims tool for removing or installing valves. Hardened ball bearing style tip at valve head end eliminates damage to valve. Can be clamped into vice and includes valve collar receiver for safer tool use.
31471   O.H.V. BT and XL including Twin Cam and all aftermarket heads

Rocker Bushing Line Reamer
Jims, use to ream rocker bushing to a factory fit of .0007”-.0012” in line with each other. Precise line reamer is capable of a 24 finish or better. Use on all rocker arms including aftermarket arms.
31420   Use on BT 1966-on, Twin Cam, XL 1957-on, and Buell 1987-on.

Jims Cylinder Torque Plates
Simulate stress conditions when boring and honing. Drilled for multiple use.
31530   Up to 4” Evo
31531   Bolts for use with XL Evo and Buell

Pushrod Cover Compressor Tool
Pushes against top rocker box to allow one hand operation.
26155
Jims Valve Guide Tool
Use to install shoulderless valve guides to the proper depth. Designed for stock style guides with an O.D. of about .560". Order driver handle separately.
31444  All BT and Twin Cam includes all aftermarket heads

Jims Valve Guide Driver Set
Use guide removal and installation on all models. 3 pce set.
31426  All models including TC-88 and all aftermarket heads

Cylinder Wall Flex Hone
The easy and economical way to recondition cylinder walls and a perfect cross hatch for oil retention and for quick ring seating. Globules of silicone carbide laminated to the ends of hi-density nylon creates a flexible hone which is unbreakable, requires no set up, and does not get out of shape. Just chuck the wire shaft in a 3/8" or larger drill; lubricate cylinder wall with a little oil and start deglazing. In 30-40 seconds the cylinder is done. Normal life of this tool is at least 1,000 cylinders.
26700  3-7/16" to 3 1/2"
26701  3" to 3-3/16"
26703  3 1/2" to 3 5/8"
26702  4-1/4"

Jims Valve Guide Seal Tool
Use to install the valve guide seal. Designed for stock style guides with an O.D. of about .560". Order handle separately. Factory driver spacer not required.
31443  BT 1984-on including TC-88 and all aftermarket heads

Jims Head Holder-Valve Guide Remover and Installer
Comes with adapters to fit all HD and aftermarket heads. Adapters are supported by a support stand Makes pressing guides in and out simple. A special guide alignment shaft holds the right angle for best possible guide installations.
31528

Jims Head Bolt Torque Gauge
Accurate gauge allows the measuring of 90 degree when tightening Evo head bolts. Torque sequence lasered on gauge.
31525  BT 1984-on includes TC-88, S&S and aftermarket motors

XL 1200cc Combustion Template
26160
**Top End Tools**

**Jims Piston Pin Keeper Tool**
Use to install retaining ring in piston in one easy step without distorting ring.
- 31442 BT 1983-on single cam only including S&S and aftermarket motors and XL late 1985-on, Buell 1987-on

**Jims Piston Pin Bushing Tool**
Use to remove and install wrist pin bushings without removing rods from crankcase.
- 31468 All single cam models
- 31508 TC-88 models

**Wire Type Wrist Pin Circlip Tool**
Easily install and remove wrist pin clips without damage on 1984-on models.
- 26140

**Rowe Valve Guide Pusher Kit**
Use to push, rather than drive, the guide into the head. Designed for hand wrench use. Power driving with an air wrench or too much interference fit will break the stud.
- 26136 5/16" Evo pusher kit

**Rowe Piston Ring Compressor**
Necessary bands for 2-7/8" to 4-1/8".
- 26133

**Valve Spring Compressor**
For use on conical valve springs. Add this collar to your JIMS valve spring compressor tool #31471 to remove and replace valves and conical (Bee Hive) springs (OEM 18245-02). A must have tool for safe valve work. Use on all 2005-on BT except SE models and all 2004-on XL and Buell models.
- 31441

**Trock Rocker Arm Refacing Tool**
This sturdy, well-designed fixture, in combination with an ordinary drill press, allows you to do an excellent job of refacing pitted and worn H-D rocker arms for Sportster and Evolution engines. Pays for itself the first time you use it.
- 5879
Clutch Puller
Pulls the clutch hub on all Big Twins and 45’s 1936-84 (except diaphragm clutch). Work equally well on 3, 5 or 10 finger clutch hubs. Can also be used to pull the trans sprocket on XL, and rotor assembly on Big Twins 1970-on.
5823

Jims Clutch Hub Puller
Use to remove wet and dry clutch hub clutch release rod. 4 bolts included for dry clutch removal. (95960-52C)
31467 BT 1936-90

Jims Clutch Hub Puller Tool
Lettered for removal of listed items:
A 45" clutch
B BT clutch (3, 5, 10)
C BT alternator cover
D XL transmission sprocket
E BT motor sprocket
F XL early clutch
G XL late clutch
31429

Clutch Drum Locking Tool
This zinc plated tool features steel plate with inner and outer splines, and a sturdy welded handle for securing clutch basket during removal of clutch hub or motor nuts.
PCP Description
26097 BT 1984-89
26098 BT 1990-on
26099 XL 1984-90

Belt Tension Gauge
Gauge is designed to aid in properly adjusting belt tension on models with a secondary drive belt.
26016

Jims BT Transmission Stands
31434 BT 4 speeds and 5 speed FXST 1986-on
31435 5 speed rubber mount transmissions excluding 1993-on FLT and all Dyna models
31437 BT 1990-97 (38515-90)
Transmission Tools

5 Spd Main Bearing Remover
Jims, use to remove old bearing straight without possible damage to trans case and without removing the trans case.
31580  All BT 5 and 6 speeds

Jims 5 Speed Door Puller
Use to remove BT 5 speed trans door. Removes door with gears and shafts attached without any scratching and no damage to door bearing.
31575  BT 1980-on 5 and 6 speeds

Jims Transmission Cover Bearing Remover and Installer
Use to remove and replace trans door bearings. Will also remove the trans door for replacement without removing the complete transmission assembly. If using this tool to pull door off case, then door bearings must be replaced. Replace bearings with #15708
31573  BT 1980-on 5 and 6 speeds

Jims 5 Speed Transmission Main Drive Gear Tool
Use for damage free removal and installation of the main drive gear. Also installs the main bearing without removing transmission case.
31451  BT 5 and 6 speeds 1980-on, XL and Buell 1991-on.

Jims 5 Speed Transmission Shaft Installer
Allows transmission shaft to be installed without the use of a hydraulic or arbor press.
31574  5 and 6 speed transmissions

Preston’s BT 5 Spd Trans Shift Pawl Adjuster Tool Set
Tool set fits mid 1992-on and includes: a tool to loosen the jam nut on the pawl adjuster, and another to adjust the shifter pawl.
26065  Replaces 41184

V-TWIN 1990-on BT 1340
Clutch Compressor Tool
Enables clutch to be disassembled. Replaces tool 38515.
26049

PRESTON CYCLE PRODUCTS INC.
Transmission Tools

Main Drive Gear Seal Installer
Jims, use to install main drive gear oil seal to the proper depth with transmission assembled. Comes with a protective sleeve for seal.
31593   BT 5 speed models

Jims Seal Driver 5 Speeds
Use to install main seal in transmission on early and late 5 speeds. Press in the seal as flat and straight as possible to .050" below housing for a no leak fit, use with Jims tool #31410.
31569   BT 1985-on 5 and 6 speeds

Jims Trans Gear Spacing Tool
Use to align main and countershafts when checking proper gear spacing.
31452   XL 1986-90, Buell 1987-90

Jims Seal Driver Late 4 Speed
Use to install the main seal in transmission. Press in the seal as flat and straight as possible to .050" below housing for a no leak fit, use with Jims tool #31410.
31571   BT 1977-86

Jims Transmission Main Drive Gear Bearing Tool
Install main bearing to the factory depth.
31439   BT 1979-86 4 speeds

Jims 5 Speed Main Drive Gear Bearing and Seal Installer
Use to install both bearings and the seal on the clutch side.
31446   BT 5 speeds 1980-90

Jims Race and Bearing installer Tool Handle
Approximately 12" long, use for tools 31447,31459,31460,31485, 31486.
31438   Driver handle

Countershaft Bearing Tool
Jims, use to install countershaft bearings to the proper depth.
31445   BT 4 speeds 1977-86

Main Drive Gear Bearing Tool
Jims, use to install inner and outer 5th gear bearings to factory depth. New bearing depth incorporated, will still work on early depth.
31456   BT 5 & 6 speeds 1991-on, XL and Buell 1991-on
Mainshaft Bearing Race Tool
Jims, use to remove and install the bearing inner race on the transmission mainshaft.
31493  BT Late 1984-on

XL Trans Mainshaft Bearing Installer
Replaces 34810, aligns and installs bearing without damage to case or bearing. Use with our handle.
26023

5-Speed Kicker Installation Tool
Save time when installing 5-speed kicker conversion units, in that the complete trans does not have to be dismantled. Mainshaft & clutch pak can remain in place. Reduces labour time from 6 to 3 hours.
26021

Eastern’s Transmission Lapping Tool
Insures proper fitting of oversize rollers with transmission mainshaft races. Will lap races on Big Twins and Sportster transmission.

- 2853  Complete tool
- 2854  Lap Head only Sportster 1.300
- 2855  Lap Head only BT 1.870

XL Trans Mainshaft Bearing Installer
Replaces 34810, aligns and installs bearing without damage to case or bearing, use with our handle.
5887  Installer
5861  Driver handle

Big Twin Trans M/S Seal Remover & Installer by Jims
Used to replace transmission mainshaft seal on Big Twins 1936-86 4 speeds. Will push seal to .050 below housing for a no leak seal.
31410  Kit

Counter Shaft Sprocket 4th Gear Nut Tool
Comes complete with handle and nut wrench. Replaces OEM #94660-37.
5822  1979-on 5-speed 80”

Jims Mainshaft Sprocket Locknut Wrench-1/2” Drive
Heavy duty, thick walled tube features extra long 2 piece design. Inner collar will retain wrench to nut for safer work.
31464  BT 1936-on (1-7/8” hex)

Jims BT Sprocket Locker
Use to lock final drive sprocket. For removing and installing sprocket nut. Use with no. 31464.
31581  BT 1980-on belt driven 5 speed
31597  BT 2006-on 6 speeds
Transmission Tools

Pulley Lock Tool XL 1991-on
Sportster sprocket locker tool is used to lock the final drive sprocket when removing and installing the sprocket nut. 31506

Primary Drive Locking Tool
Jims, use on all primaries between front primary chain and motor sprocket. 31579 Made from black Delrin

Jims C/S Support Plate
31455 XL 1991-on (37404-91)

Main Drive Gear Bearing Installer
Replaces OEM 33428-78. Used with Arbor press. Installs bearing in transmission case to correct depth without damaging components. Use on all 1979-on Big Twins 4-speed models. 5815

Main Drive Gear Bearing Installer
Replaces OEM 33428-78. Used with Arbor press. Installs bearing in transmission case to correct depth without damaging components. Use on all 1979-on Big Twins 4-speed models. 5815

Jims XL Nut-Clutch Spring Tool
31497 XL 1991-on (38515-91)

5-Speed Main Drive Gear Bearing and Seal Installer
Replaces 34734 for 1979-90 BT. 5899

Preston’s XL Transmission Access Door Puller
Screws onto clutch gear end and pulls access cover which is press fit on two dowels. Replaces OEM 95560-57. Use on all XL’s. 5817

Clutch Spring Compressor
For diaphragm clutches on 1984-90 Sportster models. This one piece simple design utilizes a portion of the clutch release mechanism during disassembly. Replaces 34761. 5892 Imported 31448 Jim’s Machining

Jims XL Nut-Clutch Spring Tool
31497 XL 1991-on (38515-91)
Chassis Tools

Lower Neck Bearing Puller
Includes: cross arm puller, rods and lower puller claw. Simply remove roller from old bearing, install claw and turn puller.
26106

Fork Seal and Cap Installers
Jims, use to install fork seals, dust seals, and chrome caps. Lightly grease to keep from scratching fork tubes.
31505 39mm slider with Delrin plastic indestructable cap (2 pce kit)

Fork Bushing & Seal Installer
Installs bushing and seal without dam- aging components.
PCP Application
5883 FXRT 1983-on, XR-1983-on, FX-XL 1984-on (39mm) (34190)
5884 FLT-FXWG 1984-on (41mm) (34634)

Jims 35mm Hex Top Fork Nut Socket (3/8 Drive)
To remove or install top fork nut on glide forks. Has a rubber protector on inside to prevent chrome damage.
31567

Fork Stem Bearing Remover
Use this tool to remove the lower fork stem (triple clamp) tapered bearing. Use on all lower fork stems that use bearing OEM #48300-60. Order Jims hard end cap #1048 when using on early XL 1954-77
31450

Jims Steering Head Bearing Race Remover Tool
Use to remove and install steering head bearing race.
31583 BT 1949-on including S&S and aftermarket motors, XL 1978-on and Buell 1987-on.
31557 Race spacer only
31438 Driver only

Jims 35mm Hex Top Fork Nut Race Installer
Use to install steering head races, stock and custom, as well as install cups in the frame. This tool pulls the races and cups in, straight and true, without any damage.
31582 Use on all models

Fork Tube Plug Tool
Tool is designed with a special socket which fits 1/2” drive on 1948-on glide fork plug.
26018

Jims Fork Nut Socket
Use to remove and install top fork tube plug. Eliminates possible burring of plug caused by wrenches.
31496 Use on 1948-on Wide Glides
Chassis Tools

Rowe Wheel Truing Fixture
Cast alloy construction. Adjustable widths for all wheels, with or without axle in place. Made in U.S.A.
26704 Wheel truing stand only
26027 Roller stanchions

Spoke Wrench
Fits six spoke nipple sizes. Jaw sizes are numbered and stepped down in numerical order for quick and convenient spoke adjustments. Tool is contoured to allow a sure grip. Perfect for tool bag or box. Lengths is 4 inches.

Wheel Bearing Greaser
Patented fitting & spigot will grease 1973-99 tapered bearings without removing seals.
5811

Rowe Wheel Truing Fixture

Jims Wheel Bearing Race Tool
1973-99
31437

Super Tire Tool
A deluxe tire iron. 15" long for better leverage and quicker, easier tire changes.
3546

Pivot Bearing Remover
Use this tool to remove and install all Softail swingarm pivot bearings. This tool may also be used to remove and install the spherical bearing on springer front fenders. This tool will remove and install the bearings straight and true without any damage. Use on 1984-on FXST or any aftermarket swingarm that uses OEM bearing #9076. Also use on BT 1997-02 and 2004-on Springer Softail front fenders that use OEM bearing # 9194.
31500

Jims Brake Caliper Piston Remover
Use this tool to support the brake caliper pistons when removing them. This tool will hold the pistons square to their bores preventing damage to pistons and piston bores. Allows seals and wipers to be replaced. Works on all 4 piston brake calipers 2000-on.
31463

Super Tire Tool

Oxygen Sensor Tool
Remove and install oxygen sensors on fuel injected models. Socket has 3/8" drive receptacle. Can also be used with 7/8" wrench.
26110

Bushing Installers
PCP Application
26011 Fork bushing FXR 1987-on

Wheel Race Puller
Replaces service tool 33071, for hubs with tapered races 1973-on. All models.
5824

Jims Exhaust Stud Drill Fixture
Fits BT and XL 1984-on exhaust ports to align for the drilling of a broken exhaust stud.
31524

Jims Exhaust Stud Drill Fixture

Oxygen Sensor Tool
Chassis Tools

FXR-FLT L79-Up Shock Tool
Replaces 94409-78 and 94448-82. For use on 1979-on FXR-FLT and 1979-on XLH-XLS-XLCH. Zinc plated.
1319

FXST-FLST Shock Wrench
Replaces 94455-89 to adjust rear shock preload or seat height.
5896

Rear Swing Arm Bearing Remover/Installer
For FXST, FLST models 1986-99.
26127

Jims Cleveblock Bushing Assembly Rear Swing Arm Tool
Use to remove and replace swing arm cleveblocks. Cleveblocks are silicone filled bushings that will be damaged if not installed properly. Jims tool presses on the outer sleeve of the bushing, preventing damage to the cleveblock. Can be used with or without a press.
31564 Use on FLT 1980-on, FXR 1982-94 and all aftermarket FXR style frames

5 Speed Swing Arm Spreading Tool
26070

Cleveblock Spreading Tool
Jims, use to install the swing arm in a 5 speed rubber mount frame. When cleveblocks are replaced they need to be positioned to install in the rear of the transmission. This tool will spread the swing arm cleveblocks allowing for installation of the swing arm.
31563 For use on BT 1980-on

Front Fork Compressor Tool
Use to compress the front springs in cartridge style shocks when servicing or rebuilding. The compressor can be mounted in a vise for easy hands free servicing. Also includes an adapter for FL forks to eliminate direct contact with spring coil and a special rod to pull up the fork damper rod.
31487

Final Drive Tool
Tool fits final drive pulley, to ensure that the nut can be properly set to torque specifications.

PCP Application
26104 BT (41184)
26105 XL

Fork Leg and Tube Holder Tool
Use this tool to hold fork legs and tubes for easy hands free servicing or rebuilding. Mounts in a vise to hold the fork firmly during repair without causing damage to the fork assembly. Will not scratch surfaces.
31487

Shock Tool FXST 1989-on
For use with 3/8" ratchet drive.
73648

Front Fork Compressor Tool
Use to compress the front springs in cartridge style shocks when servicing or rebuilding. The compressor can be mounted in a vise for easy hands free servicing. Also includes an adapter for FL forks to eliminate direct contact with spring coil and a special rod to pull up the fork damper rod.
82099
General Tools

**Spring Lock Hose Clamp Plier**
Spring Lock Hose Clamp Pliers are engineered for automatic locking and quick releasing. Plier heads swivel to any angle. Lets you reach the hard to get at areas and quickly remove clamps. Works on all sizes.
26032

**Carbon Scraper**
This 3/4" wide scraper makes short work of those tough cleaning jobs. Blade is forged steel and heat-treated for durability. Can be resharpened many times.
26030

**Socket Handle Cylinder Head Bolt**
3/8" square drive for use with standard sockets. Use on all Twins.
5819

**Oil Pressure Switch Wrench**
Installs and removes oil pressure switches without damage to the switch itself, the extension handle is not used when servicing Sportsters. Used on 1340cc Evo. Replaces 34816.
26031

**E-Z Squeeze® Bearing Packer**
Patented design grease all tapered bearings with a 5/8 or large I.D. Canister holds grease for clean operation.
5871

**Hose Clamp Tool**
OEM type clamp closing tool.
5870 Crimping tool (97087-65A)

**Jims 41mm Fork Seal Slider**
Lightly grease slider to install fork seals, dust seals and chrome caps.
31507

**Flex Hone for 5/8” Master Cyl.**
Designed for low speed operation using 3/8” drill.
26119 For 5/8” master cylinder

**Mini-Lift**
Use with table lift to raise bike on table with 3” to 12” range.
Max weight 600lbs.
85000

**Calibrated Belt Tension Gauge**
Accurately measures belt tension.
26169
General Tools

Bearing Separator
Designed for removing Generator Gears, Bearings, Bearing Cones and similar parts, where ordinary puller jaws will not reach. The knife edges are flush on one side to get behind the work for easy pulling.
26004 0-2-1/4" capacity

Safety Wire Tools
Wire twisting pliers feature automatic twisting and plying motion which gives uniform twists without damaging wire. Bolt drill fixture allows drilling of 1/16" diameter holes in heads of hex, 12 point, or allen head cap screws from 3/16" to 5/8" shank diameter. Includes drills and bushings, which secure the bolts during the drilling operation. Tools sold separately.
26045 Drill fixture
26046 Twisting pliers
26047 Tie wire (.032)
26048 Tie wire (.041)

Jims Outer Primary Cover
Starter Bearing Remover Tool
Easily removes bearing, even if cover has been chromed with bearing installed.
31577 BT, XL and covers that use bearing no. 9063
Note: Also c/shaft bearing 1977-on 4 speeds and XL 4 speed gear.

E-Z Tyme
Device bolts inside the primary cover on 1970-99 Big Twins. After installation, only inspection oval of outer primary need be removed for accurate timing.
26060

Jims Primary Locking Bars
Use to lock primary for service work.
31594 BT 4 speeds, FXST 5 speeds
31595 FXR, FLT, FLHT 5 speeds
31596 XL, Buell 1991-on

Vise Soft Jaws
Quality set of soft aluminum jaws for any size vise. Here is the way to protect those special parts from being marked or damaged by regular vise jaws.
5802

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Device bolts inside the primary cover on 1970-99 Big Twins. After installation, only inspection oval of outer primary need be removed for accurate timing.
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5802

Drill-Out
Broken bolt extractor kit includes a precision left hand cutting self-centering point drill and special collet. Detailed instructions included.
26059 1/2"-12mm

Pushrod Adjusting Wrench
Dual wrench holds two outer nuts while inner is adjusted with separate wrench. Fits 7/16" hex nuts and is fully adjustable for solid lifters.
26100

Intake Manifold Allen Wrench
On all Evo BT and XL there is no longer any need to remove the gas tanks to get the job done!
26066

Pushrod Cover Compressor
Allows removal & installation of push rod clip.
26055

Wire Terminal Tool
Quickly and easily depresses lock tabs on terminal pins and sockets to ease wiring harness disassembly.
26054 1971-90 XL, 1973-90 BT (97362-71)
**Eleven gauge steel construction.**

**Chrome plated finish.**

**Threaded for ease of installation.**

**Perfect for all big twins.**

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**TDC Indicator**
14mm tool is used to locate top dead center of piston with heads on engine, when degreeing the cam shaft. 26008

**Spark Plug Firing Indicator**
Captive type spark plug firing indicator. No need to puncture cable. Read flashes from neon bulb to indicate condition of spark plug. 26009

**Swivel Spark Plug Wrench**
Patented design for all 12 & 14mm plugs. 180° rotation. 26020

**Chain Puller**
This handy tool eliminates the annoyances of installing the master link in your rear chain. Conveniently pulls chain halves together without loosening at rear wheel. Fits all sizes. Chain puller. 26040

**Chain Breaker**
Excellent for cutting 530 heavy chain. 26039

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**Opti-Clear Timing Hole Plug**
Clear timing tool for use on all Harleys. Remove your stock timing plug and insert this top quality tool for easy timing. This is for use as a tool only; once your timing is set it should be replaced by the stock plug. Replaces OEM #96295-65. 626 Each

**Oversized Drain Plug and Tap Kit**
Contains 1 chrome plated dome head plug with an oversize thread and one tap for rethreading the stripped out drain hole. Fits OHV Big Twin Harley Engines 1965-on and Sportster 1967-on. 1760 Tap and plug kit 1761 Oversize plug only

**Oversize Timing Plug/Tap Kit**
Contains 1 chrome plated acorn head plug with an oversize thread and one tap for rethreading the stripped out timing hole. 1758 Tap and plug kit 1759 Oversize plug only

**Driver Handle**
Replaces 33416 to drive wheel race, crank bearing race and cam needle installers. 5861

**Snap Ring Pliers**
Specially designed with long reach fingers for use on master cylinders. 26167

**Left Rear Motor Mount Bolt Wrench**
Use for removal and installation of left rear motor mount bolt on BT without removing the inner primary cover. 26147

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**General Tools**

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**General Tools**

**Adjustable Main Jets For S&S**
Fits in the float bowl drain plug below the main metering jet. The recommended main jet is 100 to 104.

**Adjustable Enrichener for S&S**
Replaces the stock fixed enrichener, adjusts as bike warms up, and also makes for easier starting. O-rings and instructions included.

<table>
<thead>
<tr>
<th>PCP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1254</td>
<td>Enrichener</td>
</tr>
<tr>
<td>3823</td>
<td>Main jet (super carb)</td>
</tr>
<tr>
<td>530452</td>
<td>Jet installer and removal tool on all B &amp; E carbs</td>
</tr>
</tbody>
</table>

**Late Model XL Primary Case Plugs Tool**
The style of the mid-70's XL models primary plug is now available for the newer 883 and 1100 XL models. Can be used to replace both primary plugs on '86-90. Shown with one of two XL primary plug tools that are also now available and make removing the plug easier. Makes marring the plug's groove practically impossible.

5800

**Crane Cam Tuning**
34545 Top dead centre piston stop

**Seal Driver Kit**
Quickly installs seal without damage, includes 16 adapters for seals up to 3-3/8" diameter. Includes special adapters for "shielded" seals.

26038

**Seal Puller Tool**
Simply insert the tip of the tool behind the oil or grease seal, press and pull leverage works for you. No more pounding, hammering and digging that might damage bearings. Two size tips reach in and fit nearly all seal applications.

5813

**Bearing Race & Seal Driver**
Includes driver handle and 6 machined aluminum collets to fit most bearings.

26036

**Low Pressure Master Cylinder Bleeder Covers**
Will allow one person to bleed brake lines or to check system for leaks and can drain the entire system to replace brake fluid.

26129 Front 1982-95
26131 Front 1996-98
26130 Custom rear Jay Brake

**Wrenches for Oil Pressure Gauge and Indicator Lamp Sending Unit**
Reversible ratcheting wrenches are used to install and remove oil pressure indicator lamp or gauge sending unit on all FL Touring models 1999-on

<table>
<thead>
<tr>
<th>PCP</th>
<th>Item</th>
</tr>
</thead>
<tbody>
<tr>
<td>26171</td>
<td>For Indicator lamp</td>
</tr>
<tr>
<td>26172</td>
<td>For sending unit</td>
</tr>
</tbody>
</table>

**Link Press Tool**
Presses the side plates on all 530 o-ring chains.

26012
Stud Remover and Replacer
This powerful tool is designed to fit into the hard to reach spots and get out the hard-to-turn studs. Capacity from 1/4” to 3/4”.
5856

Flywheel Spreader Tool
Spreads wheels while truing for BT and XL.
26144

300+ Crimp Tool from Accel
This top quality tool is an absolute must when making custom wire sets and wiring. Made from a heavy-duty hardened steel frame with molded non-slip hand grips. An adjustable ratchet mechanism produces consistent high quality crimps. The 300+ Crimp tool includes three removable stripping/crimping die type jaws, 2 styles for primary wire terminals and one for 7-9mm plug wires.
28270

Accel 14mm Spark Plug Indexer
This index tool for 14mm spark plugs allows the engine builder to specify the location of the ground electrode for maximum flame front generation. Tool is knurled for easy hand held operation or can be mounted in a vise. Made from billet aluminum with a gold anodized finish with increment labels for accurate alignment. USA made.
26125 Use PCP 25283 index washers for proper alignment.

“Activator” Battery Filler
Nozzle attaches to any standard acid pack tube. Positive thumb release valve absolutely controls acid flow, preventing acid spills, burns and holes in clothing.
26148

Evolution Rocker Box Cover Ratcheting Wrench
Features a low profile to allow clearance between frame and engine, a replaceable bit and an extra long handle for greater reach.
26165

Evolution Ratcheting Intake Manifold Wrench
Features ball end allen bit for flexibility in tight areas.
26164

Accel 14mm Spark Plug Index Washer Kit
Soft copper spark plug washers allow the engine builder to align the ground electrode and adjust plug to piston clearance. Sold in a 30 pack assortment.
25283 For use with PCP 26125 spark plug indexer

Wire Terminal Tool
Easily depresses terminal lock tabs when disassembling factory wiring harness.
26054 Replaces 97362-71
**Gasola Sealant**

Available in hard setting red varnish or soft set blue/white with teflon. Red sealant is the original sealer for sealing holes on porous surfaces and for use on the inside of crank cases and cam covers. Blue-white seals threaded joints on pipe threads and fittings. Both types are insoluble in oil, gas and solvents. Sold in 1/4 pint can that includes brush.

- **59474** Red varnish
- **59475** Blue/white

**Clover Oil Based Lapping Compound**

16 Oz. can. Use on valves for a good seal and with all Jims lapping tools. Available in 2 grits- 1 for roughing-in and 1 for finish work.

- **31592** Fine 320 grit (micron finish of 16)

**AV&V Solid Carbide Valve Guide Reamers**

These unique reamers feature a 2" long pilot for a perfect alignment with the valve guide while reaming and are specially designed for use with manganese bronze material. Valve guides can be reamed to exact dimension without any taper in just a few seconds. These durable tools will last for hundreds of guides. When using AV&V valves and guides this one tool allows you to fit both intake and exhaust.

<table>
<thead>
<tr>
<th>PCP</th>
<th>Diameter</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>34044*</td>
<td>7mm +0.001&quot;</td>
<td>Stock OEM valves</td>
</tr>
<tr>
<td>34045</td>
<td>0.3110&quot;</td>
<td>Evo, Twin Cam</td>
</tr>
<tr>
<td>34046</td>
<td>0.3115&quot;</td>
<td>Evo, Twin Cam</td>
</tr>
<tr>
<td>34047**</td>
<td>0.3120&quot;</td>
<td>Evo, Twin Cam</td>
</tr>
</tbody>
</table>

*HD 7mm valves are .001" oversized, #34044 must be used to fit AV&V bronze guides to accept OEM valves

**Jims Pin Extractor**

Easily removes the molex style pin from connectors.

- **31526** Use on all models

**Jims Recptacle Extractor**

Easily removes the molex style receptacle pin from connectors.

- **31527** Use on all models 1980-on

**Goodson 7mm Seal Cutting Tool**

This tool will shorten and reduce guide diameter from .562" to .475" when using #34036 seals and a double spring kit. Guide must be shortened by .080" to .100" for high lift application.

- **34040**