

Section 18

Twin Cam	1 to 6
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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 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

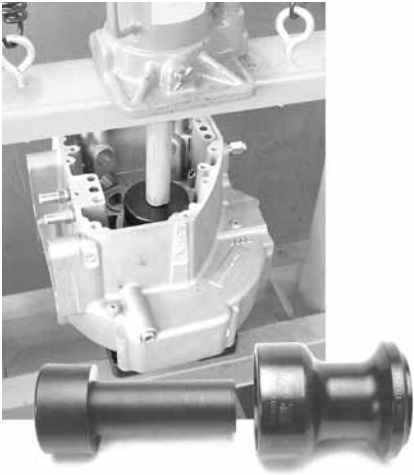


Jims Cam/Crank Sprocket Lock Tool

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

Twin Cam Tools



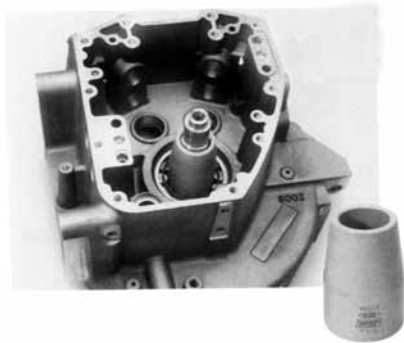
Jims Crankshaft Bearing Tool
 Use to remove and replace right crankcase bearing. Press bearing in and out straight without damage to the case.
31509 All Twin Cam 88 1999-on



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



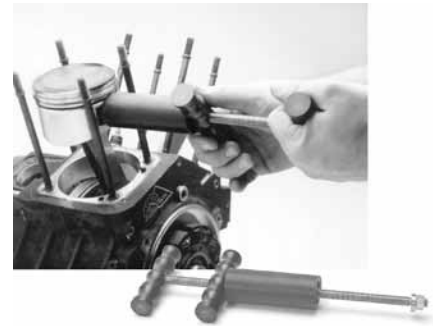
Jims Camshaft Remover and Installer
 Use to remove and replace front and rear camshafts and ball bearings in Twin Cams. It provides the precision alignment of the camshaft to ensure a smooth press in and out of the support plate.
31511 All Twin Cam



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



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

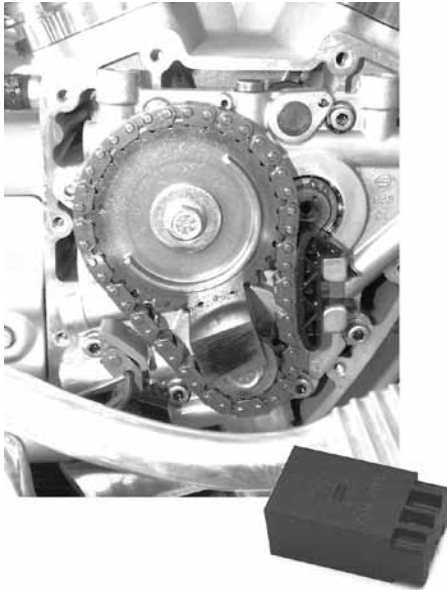


Jims Cylinder Torque Plates
 These plates simulate stress conditions when boring and honing. Correct torquing sequence is lasered on surface. Can be used on Screamin Eagle big bore cylinders.
31518 All Twin Cam to 4"



Jims Outer Balancer Bearing Installer and Remover Tool
 This tool removes and installs the out-board balancer bearing on the new 96" & 110" "B" Softail engine chain guide support plate.
31551 Use on all Softails 2007-on

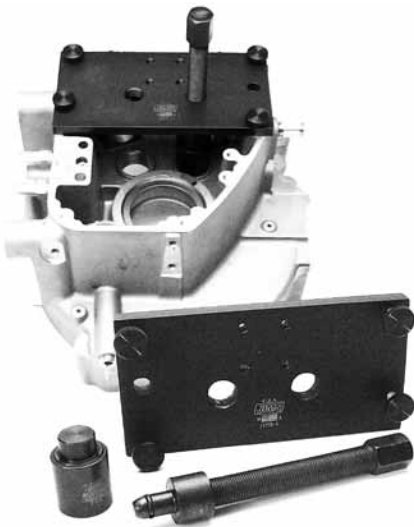
Twin Cam Tools



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



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 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 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



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 Twin Cam Engine Stand
Powder coated, steel stand will simplify engine repairs.
31519 All Twin Cam (not FXST 2000)

Twin Cam Tools



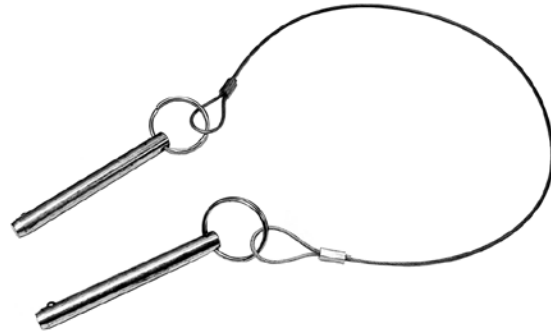
Jims Balancer Shaft Inner/Outer Bearing Remover and Installer

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 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 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 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 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 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 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 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

Twin Cam Tools



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 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" Softtail engine case. For removal of the balancer shaft from the engine case use Jims tool #31905.

31907 Use on 2007-on FXST



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.

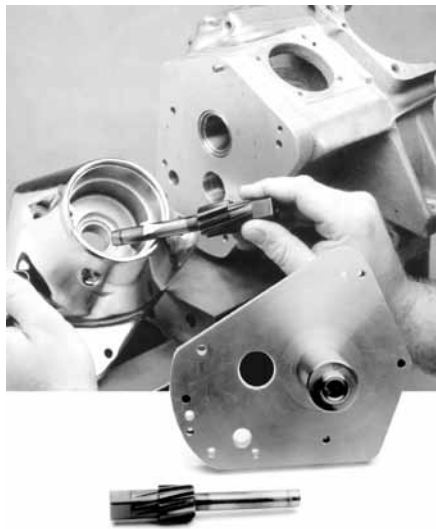


Jims BT Clutch Assembly Service Tool

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

Bottom End Tools



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 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 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 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.

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

PCP Application

31908 BT 1955-06 except 2006 FXD. Use on 1999-05 FXD

31909 Use 2006-on FXD and 20074-on FXST, FL



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

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

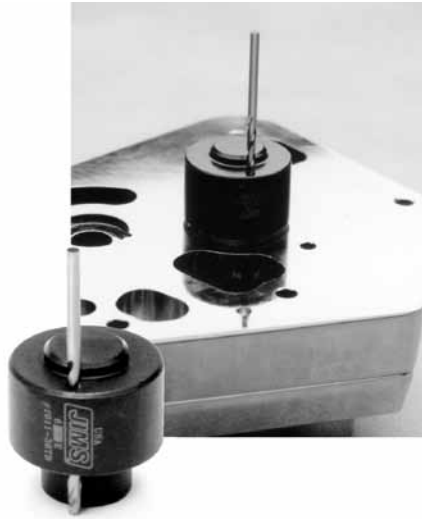


Jims Oil Pump Snap Ring Installer

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

Bottom End Tools



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

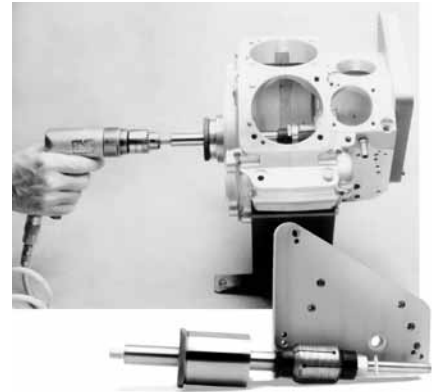
- 31401** Cam BT 1970-on (25581-70)
- 31402** Pinion BT 1954-92 (25582-54, 25582-73)
- 31494** Pinion BT 1993-on (25582-93)
- 31403** #2 Cam XL 1957-90 (25588-57)



Trock Cam Bearing Tools

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

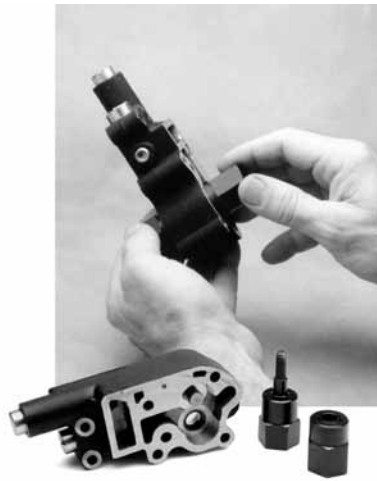
- 26092** Bearing removal
- 26093** Bearing installer



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



- 31495** No. 31 drill bit for all model jigs above

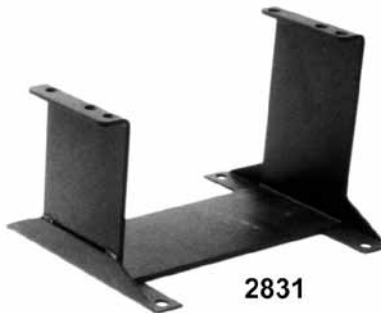
Jims Oil Pump Seal Installer

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



- 31590** Staking pins for above (10 pk)



2831

Motor Stands

PCP Fits

- 2831** Motor Stand Big Twin 1941-99 (96815-46)



Jims Cam Seal Installer / Remover

31533

Bottom End Tools



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.

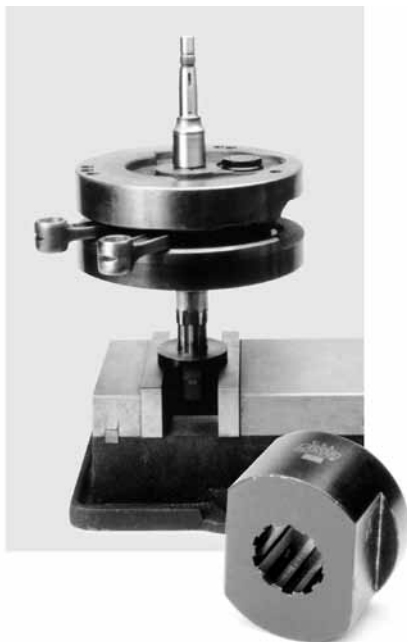
31424 XL 1977-on, Buell 1987-on



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 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 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 Cam Bearing Tool

For use with handle no. 31438 to install inner cam bearing. Handle slips through the outer cam bearing 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



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

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 .

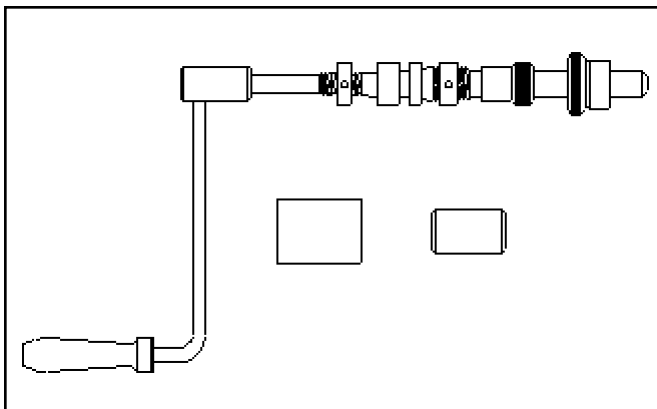
- 2849 Complete tool
- 2850 Replacement Lap Head 1-1/2
- 2851 Replacement Lap Head 1-3/8
- 2852 Replacement Lap Head 1-3/4



Eastern Rod Lap Tool

Big Twin and Sportster. This tool is for lapping connecting rod bearing races when fitting new rod rollers.

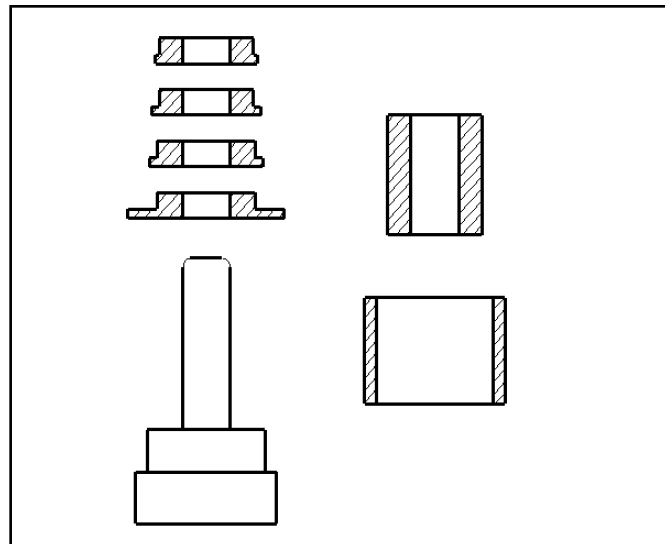
- 2838 Tool with 2 cast iron laps
- 2839 Lap head only 1-1/2"
- 2840 Lap head only 1-5/8"
- 26001 Spanner wrench



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.
- 2853 Trans. Cpt.
- 5875 Combo Cpt.



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

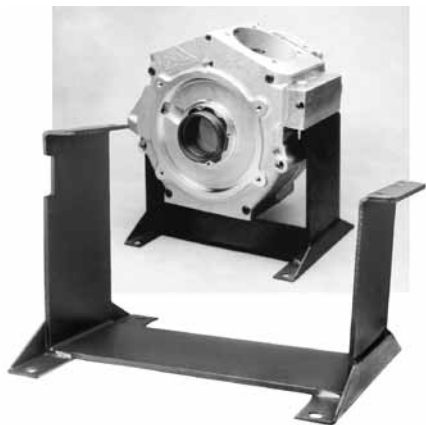


Cam Cover Pullers

Easily remove BT 1970-99 cam covers without prying on gasket surfaces.

- 26042 Trock puller
- 5863 Preston's puller

Bottom End Tools



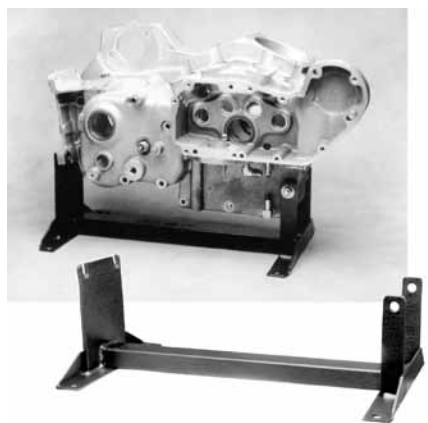
Jims "Taller" BT Engine Stand
Powder coated stand is 1-1/2" taller to fit all BT cases for engine repair. Features notch for crankcase breather fitting.
31431 BT single cam only includes S&S and aftermarket motors



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)



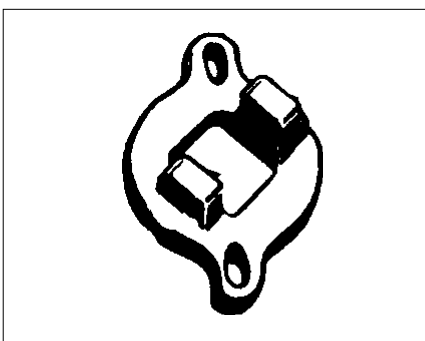
Jims XL Engine Stand
Powder coated, steel bench stand simplifies engine overhaul.
31432 XL 1957-on, Buell 1987-on



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



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



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

Bottom End Tools



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



Eastern's Bushing Reaming Tools

Big Twins and Sportster (pinion bushing in cam cover)

PCP	Application
2842	BT 1958-on (94805-80A)
2844	XL 1977-on (94812-80A)
26091	XL 1986-on (94812-89)

Cam Bushing Reamers (cam bushing in cam cover)

26113	XL 1957-on 1-3-4 cam cover bushing
26114	1957-on #2 XL cam bushing
26115	BT 1970-on (94802-70)



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.

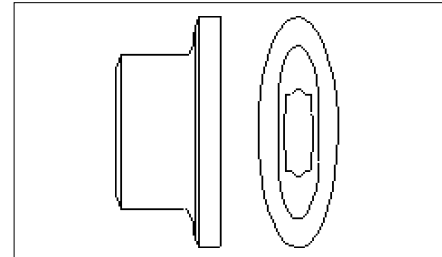
31411	BT 1958-99 (95760-TB)
31489	XL 1957-90 (95760-XL)
31513	Twin Cam 1999-06 (1279)



Jims Cam Seal Installer

This tool facilitates the installation or removal of a seal with the cover removed.

31533 Jims BT 1970-on



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

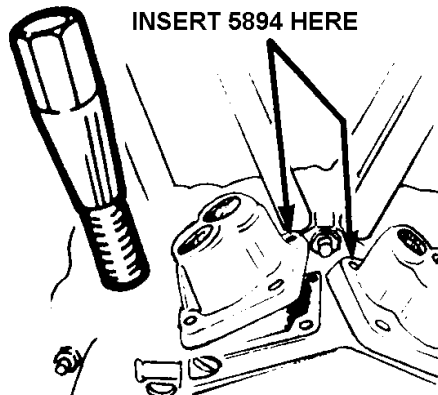
Bottom End Tools



Jims Timken Bearing Simulator

This tool allows quick and easy removal and replacement of flywheel assembly in the left side crankcase when checking clearances before final assembly. For use on BT 1970-on models including Twin Cam 88, aftermarket and S&S motors.

31560



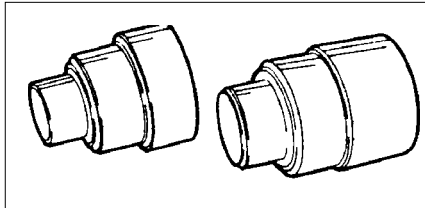
Tappet Guide Alignment Tool

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.

Tappet Guide Alignment Tool

Replaces 33443 to align tappet guide to engine case to result in proper alignment of the cam lobes to valve tappets on 1340cc EVO only.

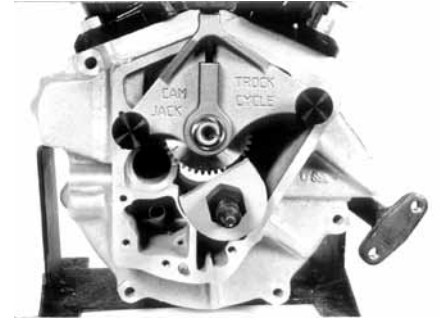
5894 Preston's



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



Trock Cam Jack

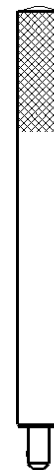
When cam cover is removed, jack allows the rising of the cam shaft on BT 1970-on models, so that you may check clearances or change pinion gear.

26109

Preston's Drive Handle

Replaces #33416 to drive wheel race, crank bearing race and cam needle installers.

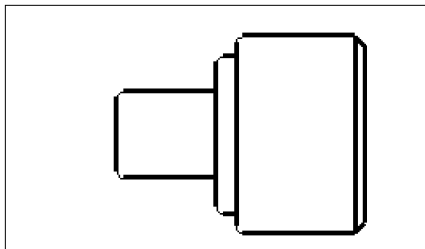
5861



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 Pinion Bushing Tool

Positions pinion bushing in cam cover on all 1970-on Big Twins to correct depth.

5862

1885



Preston's Bearing Race Press Plug

Used to remove and install Timken Bearing Outer Race.

PCP Fits

1885 1955-on Big Twin (97194-57)
5878 1977-on XL

Bottom End Tools

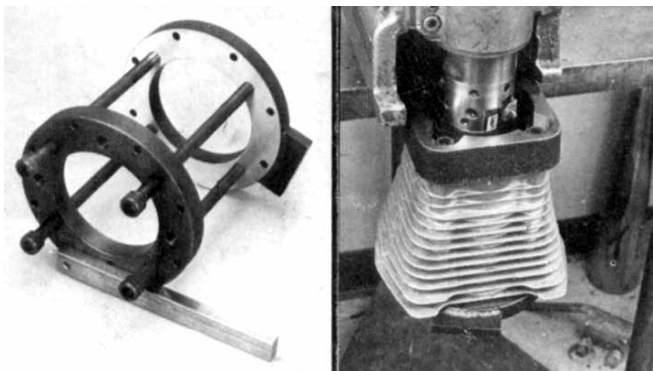


S&S HD Flywheel Balancing Kit

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

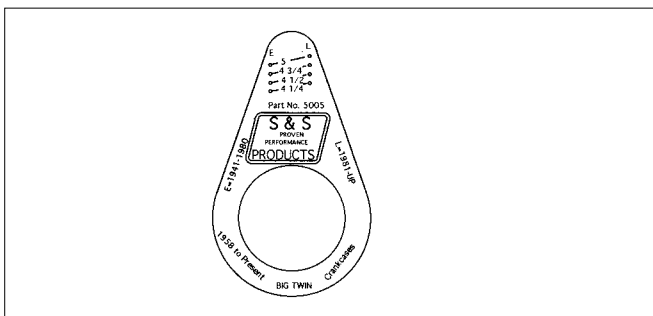
Simulates stress conditions when boring and honing EVO Cylinders. Machined from chrome moly steel, accommodates all BT 1340 and Sportsters 883-1100-1200 cylinder and 3-5/8 S&S Cylinder. As pictured, up to 3-5/8" bore.

530016 S&S



Degree Wheel Kit

530020



Crankpin Nut Clearing Gauges

530005 Big Twins 1958-99



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



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

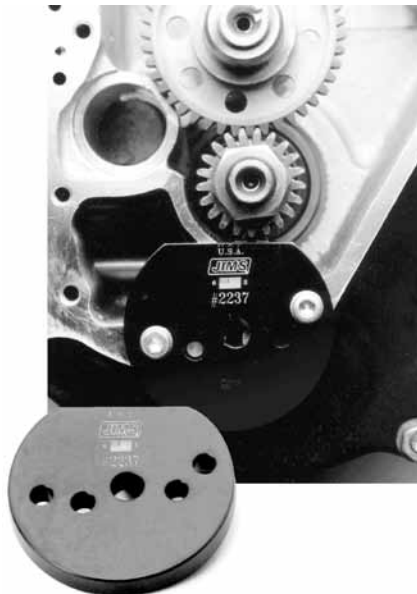
Bottom End Tools



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



Jims Cam Bearing Installer

Use tool for inner Torrington bearings 9058 on BT 1958-99 models.

31535



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 Tappet Oil Filter Screw Plug Tool

Use on BT with slotted screw.

31547

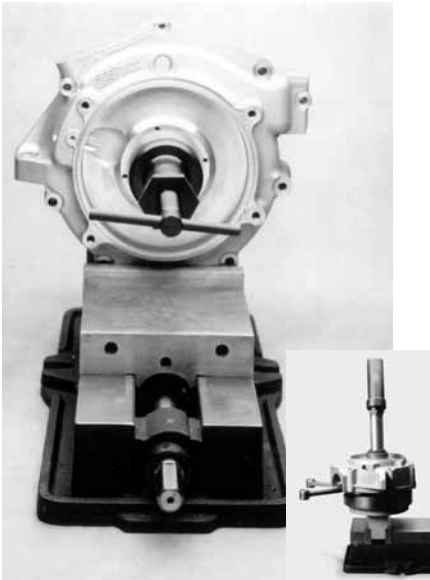


Cam End Play Checker

Features dual indicator for 1970-on models

26075

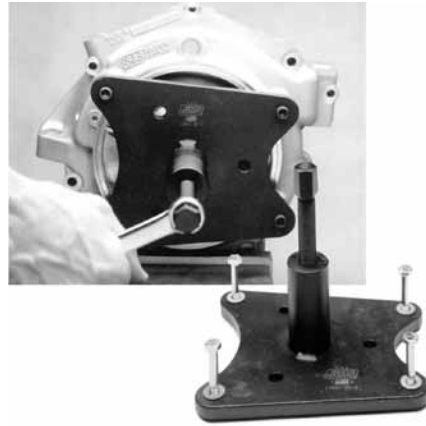
Bottom End Tools



Jims BT Sprocket Shaft Bearing Installer Tool

Use to install crankshaft assembly into crankcase Timken bearing.

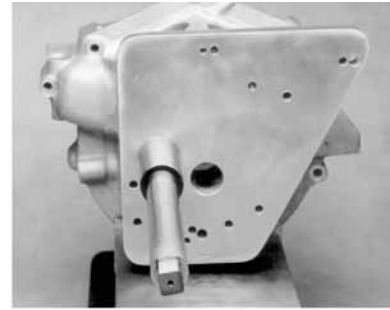
31483 BT 1955-on including TC, S&S and aftermarket motors



Jims 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 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 Breather Reamer Tool

Use to repair a damaged breather hole to .030" oversize. No need to disassemble the cases.

31562 BT 1936-on



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

Bottom End Tools



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 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



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.
31459 BT 1969-on including TC, S&S and aftermarket motors



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



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



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



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

Bottom End Tools



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 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 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 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



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)



Sifton Magnetic Tappet Lifter

Holds tappets up while changing cam on all Evo BT engines. Pair.

26141

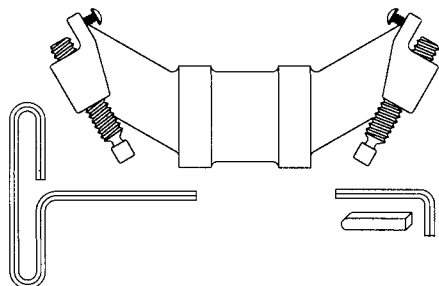
Top End Tools



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

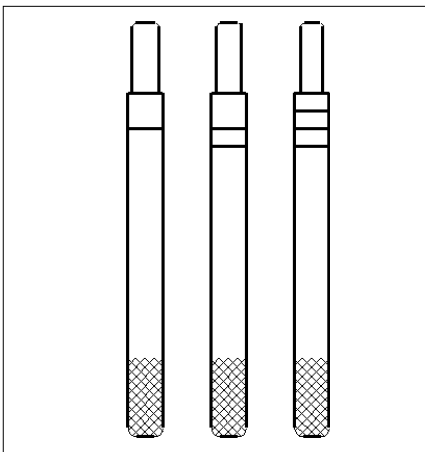
- 4435** Valve guide driver 5/16
- 4436** XL Intake socket
- 4437** XL Exhaust socket
- 4438** Evolution intake & exhaust socket



Valve 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.

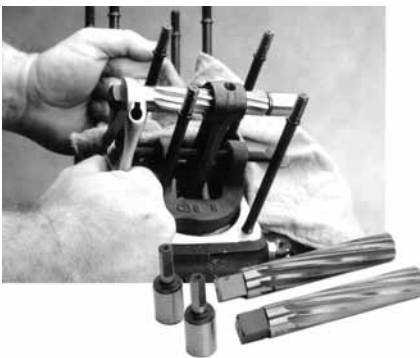
- 230090** Evolution valve checker



Valve Guide Driver Tool Set

Three sizes of drift valve guides for BT and Sportster. 5/16 valve guide drive, 11/32 valve guide drive. 3/8 valve guide drive.

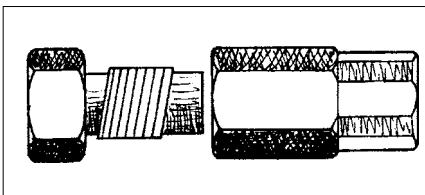
- 2829**



Jims W/Pin Bushing Reamer

Use with rids in or out of motor. Use to ream wrist pin bushings to HD specifications.

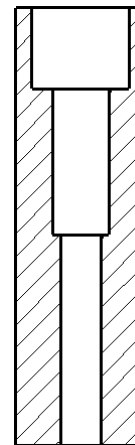
- 31549** BT with late diameter size wrist pins 1973-99 (includes all aftermarket motors)
- 31550** XL 1957-on, Buell 1987-on



Evo Cylinder Tools

Allows installation of stud to correct height or removal by locking to stud.

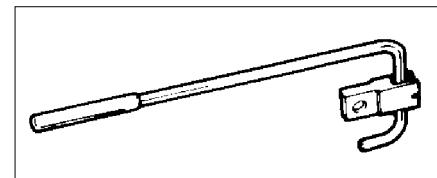
- 26094** Assembly tool
- 26095** Extracting tool



Valve Guide Seal Installer

Installs the valve guide seals to proper height without damage for all Shovel-heads (OEM 35103).

- 5897**



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

Top End Tools



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 Cylinder Torque Plates

Simulate stress conditions when boring and honing. Drilled for multiple use.

31530 Up to 4" Evo

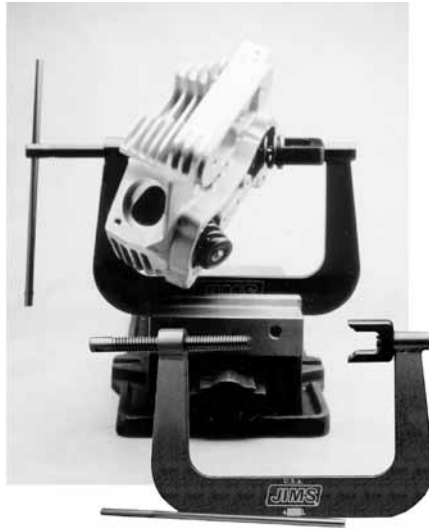
31531 Bolts for use with XL Evo and Buell



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.

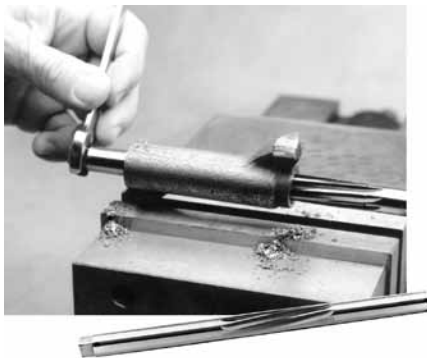
31471 O.H.V. BT and XL including Twin Cam and all aftermarket heads



Pushrod Cover Compressor Tool

Pushes against top rocker box to allow one hand operation.

26155



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.

Top End Tools



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.

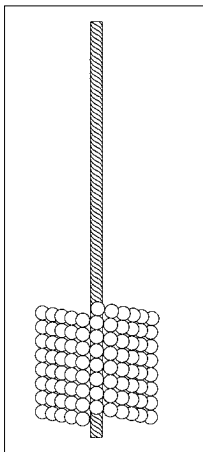
31426 All models including TC-88 and all aftermarket heads



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



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 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

Use for clearance of 883-1100 heads of big bore kit. Replaces 25629-88.

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



26133

Rowe Piston Ring Compressor

Necessary bands for 2-7/8" to 4-1/8".

26133



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 re-facing pitted and worn H-D rocker arms for Sportster and Evolution engines. Pays for itself the first time you use it.

5879



Jims Piston Pin Bushing Tool

Use to remove and install wrist pin bushings without removing rods from crankcase.

31468 All single cam models

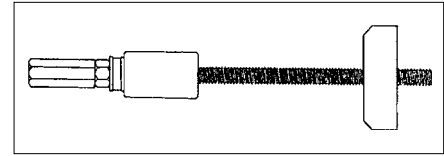
31508 TC-88 models



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



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

Transmission Tools



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

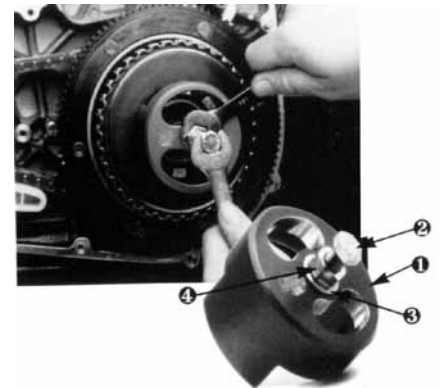
This zinc plated tool features steel plate with inner and outer splines, and a sturdy welded handle for securing clutch basket during removal of clutch hub or motor nuts.

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 Clutch Spring Compressor

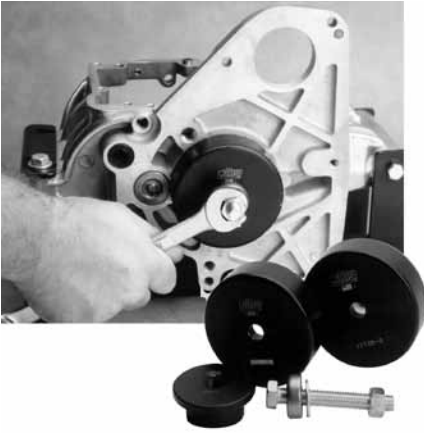
Use to release clutch spring for ease of retainer ring removal and installation. (38515-90)
31457 BT 1990-97



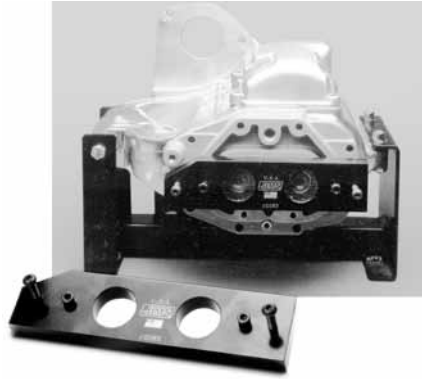
Jims BT Transmission Stands

- 31434** BT 4 speeds and 5 speed FXST 1986-on
- 31435** 5 speed rubber mount transmissions excluding 1993-on FLT and all Dyna models

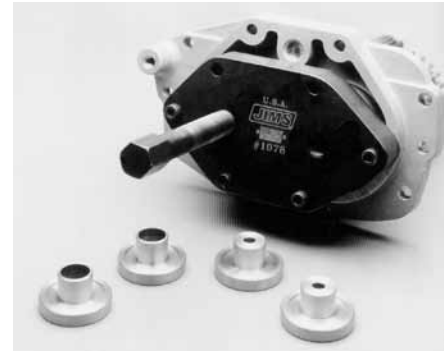
Transmission Tools



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

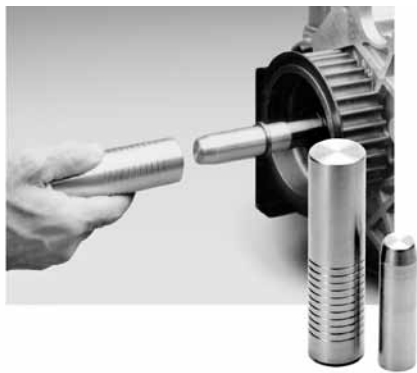


Preston's BT 5 Spd Trans Shift Pawl Adjuster Tool Set
Tool set fits mid 1992-on and includes: a tool to loosen the jam nut on the pawl adjuster, and another to adjust the shifter pawl.
26065 Replaces 41184



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

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.

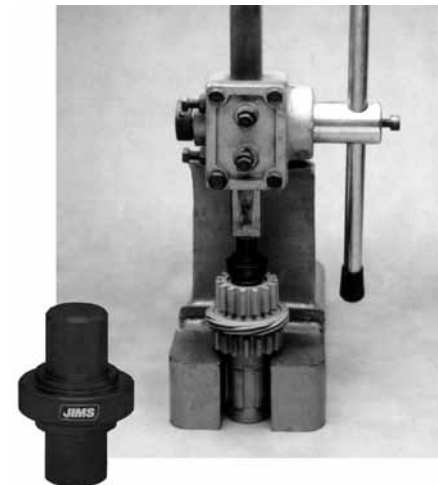
31593 BT 5 speed models



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.

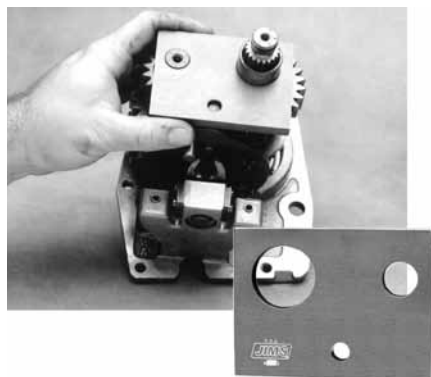
31569 BT 1985-on 5 and 6 speeds



Countershaft Bearing Tool

Jims, use to install countershaft bearings to the proper depth.

31445 BT 4 speeds 1977-86



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 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 Transmission Main Drive Gear Bearing Tool

Install main bearing to the factory depth.

31439 BT 1979-86 4 speeds



Jims Race and Bearing installer Tool Handle

Approximately 12" long, use for tools 31447, 31459, 31460, 31485, 31486.

31438 Driver handle

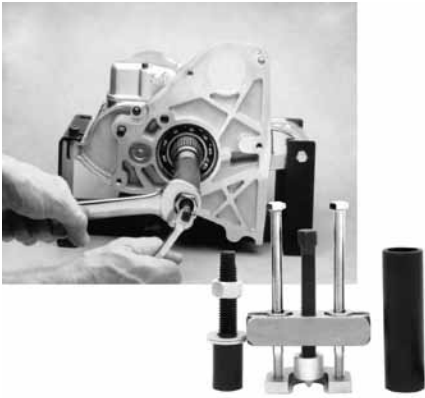


Main Drive Gear Bearing Tool

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

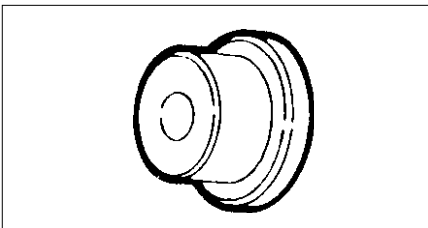
Transmission Tools



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



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



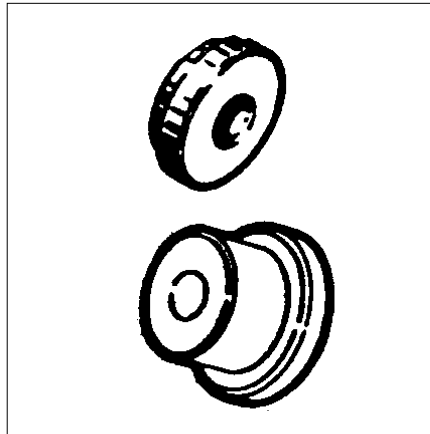
Eastern's Transmission Lapping Tool

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

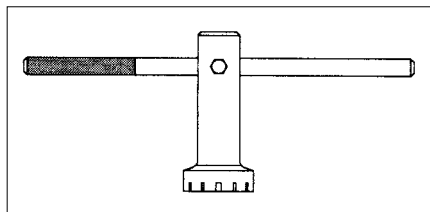


XL Trans Mainshaft Bearing Installer

Replaces 34810, aligns and installs bearing without damage to case or bearing, use with our handle.

5887 Installer

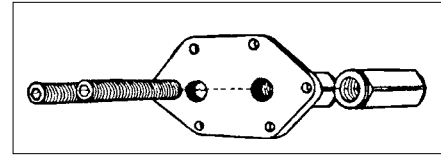
5861 Driver handle



Counter Shaft Sprocket 4th Gear Nut Tool

Comes complete with handle and nut wrench. Replaces OEM #94660-37.

5822 1979-on 5-speed 80"



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.

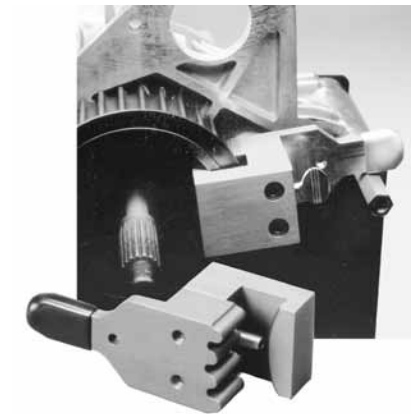
26021



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.

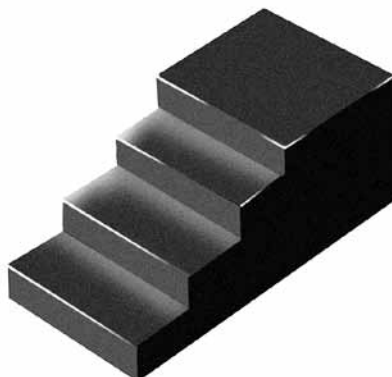
31581 BT 1980-on belt driven 5 speed

31597 BT 2006-on 6 speeds

Transmission Tools



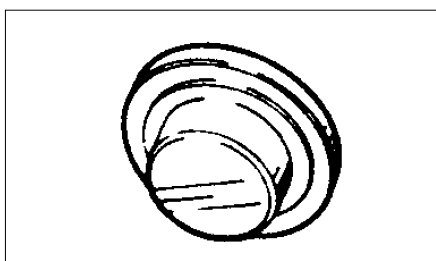
Jims C/S Support Plate
31455 XL 1991-on (37404-91)



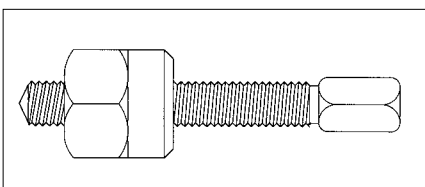
Primary Drive Locking Tool
Jims, use on all primaries between front primary chain and motor sprocket.
31579 Made from black Delrin



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



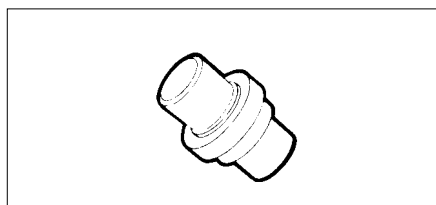
Main Drive Gear Bearing Installer
Replaces OEM 33428-78. Used with Arbor press. Installs bearing in transmission case to correct depth without damaging components. Use on all 1979-on Big Twins 4-speed models.
5815



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



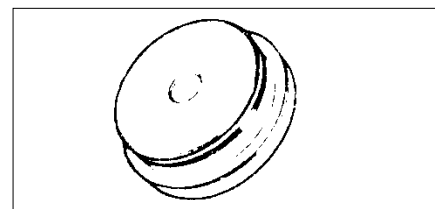
Mainshaft Bearing Installer
Fits BT and Sportster 1991-on. Replaces 37842.
26074



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

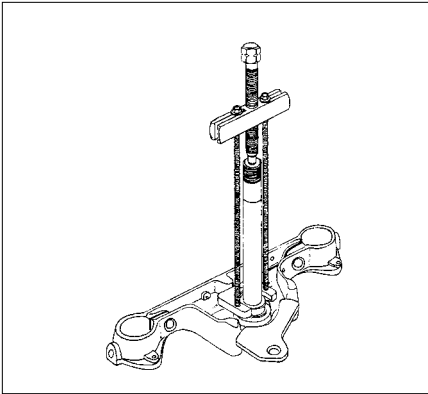


Jims XL Nut-Clutch Spring Tool
31497 XL 1991-on (38515-91)



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

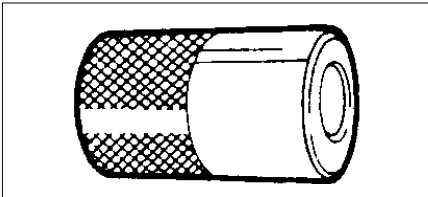
Chassis Tools



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 Bushing & Seal Installer

Installs bushing and seal without damaging components.

PCP Application

5883 FXRT 1983-on, XR-1983-on, FX-XL 1984-on (39mm) (34190)

5884 FLT-FXWG 1984-on (41mm) (34634)



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



Fork Seal and Cap Installers

Jims, use to install fork seals, dust seals, and chrome caps. Lightly grease to keep from scratching fork tubes.

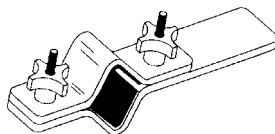
31505 39mm slider with Delrin plastic indestructible cap (2 pce kit)



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 Tube Plug Tool

Tool is designed with a special socket which fits 1/2" drive on 1948-on glide fork plug.

26018



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 Steering Head Bearing 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



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



Wheel Bearing Greaser

Patented fitting & spigot will grease 1973-99 tapered bearings without removing seals.

5811



Jims Exhaust Stud Drill Fixture

Fits BT and XL 1984-on exhaust ports to align for the drilling of a broken exhaust stud.

31524



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



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. Length is 4 inches.

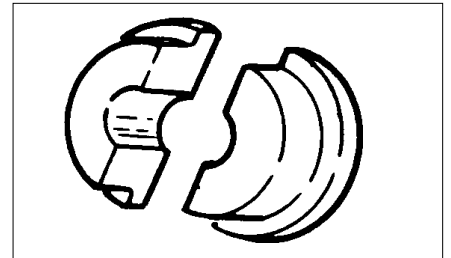
5849



Super Tire Tool

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

3546



Wheel Race Puller

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

5824



Jims Wheel Bearing Race Tool

1973-99

31437



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



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

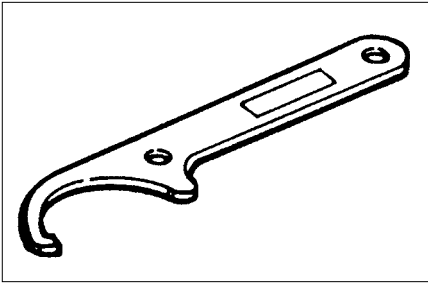


Bushing Installers

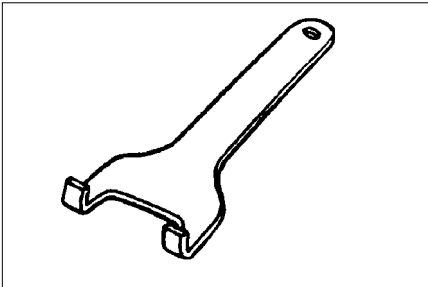
PCP Application

26011 Fork bushing FXR 1987-on

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



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



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



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



5 Speed Swing Arm Spreading Tool
26070



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



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



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



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

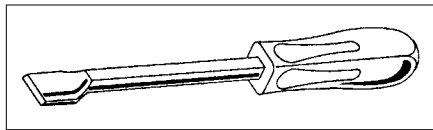
General Tools



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.

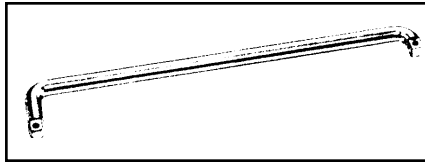
26030



Mini-Lift

Use with table lift to raise bike on table with 3" to 12" range. Max weight 600lbs.

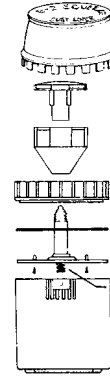
85000



Socket Handle Cylinder Head Bolt

3/8" square drive for use with standard sockets. Use on all Twins.

5819



Put E-Z SQUEEZE on solid surface. Squeeze with hands for 4 seconds or until new grease appears on top of bearing.

E-Z Squeeze® Bearing Packer

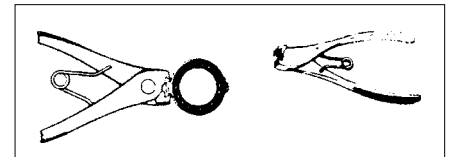
Patented design grease all tapered bearings with a 5/8 or large I.D. Canister holds grease for clean operation.

5871

Jims 41mm Fork Seal Slider

Lightly grease slider to install fork seals, dust seals and chrome caps.

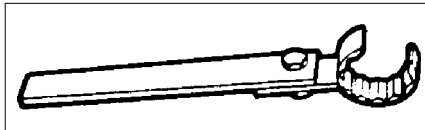
31507



Hose Clamp Tool

OEM type clamp closing tool.

5870 Crimping tool (97087-65A)



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



Flex Hone for 5/8" Master Cyl.

Designed for low speed operation using 3/8" drill.

26119 For 5/8" master cylinder



Calibrated Belt Tension Gauge

Accurately measures belt tension.

26169

General Tools

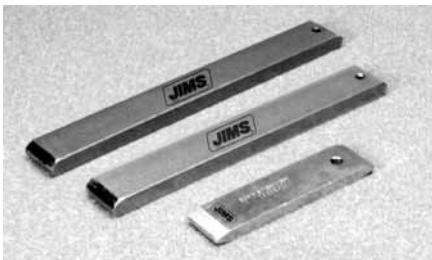


Jims Outer Primary Cover Starter Bearing Remover Tool

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.



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



Drill-Out

Broken bolt extractor kit includes a precision left hand cutting self-centering point drill and special collet. Detailed instructions included.

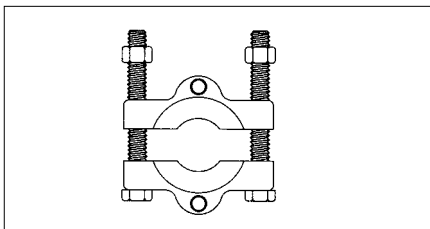
26059 1/2"-12mm



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!

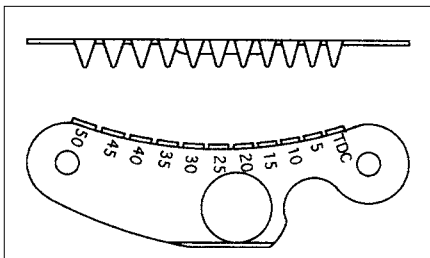
26066



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.

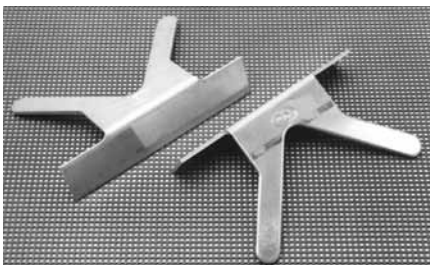
26004 0-2-1/4" capacity



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



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



Pushrod Cover Compressor

Allows removal & installation of push rod clip.

26055



Safety Wire Tools

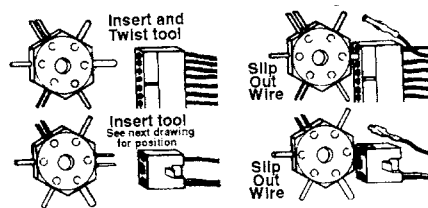
Wire twisting pliers feature automatic twisting and plying motion which gives uniform twists without damaging wire. Bolt drill fixture allows drilling of 1/16" diameter holes in heads of hex, 12 point, or allen head cap screws from 3/16" to 5/8" shank diameter. Includes drills and bushings, which secure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

26045 Drill fixture

26046 Twisting pliers

26047 Tie wire (.032)

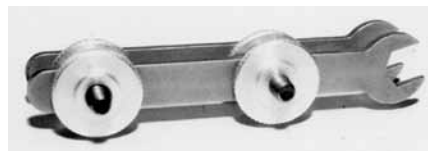
26048 Tie wire (.041)



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)



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

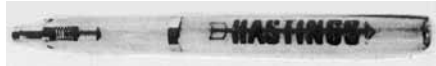
General Tools



TDC Indicator

14mm tool is used to locate top dead center of piston with heads on engine, when degreasing 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



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.

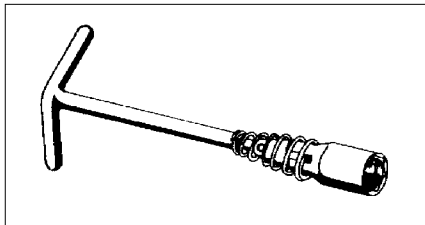
26039



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.

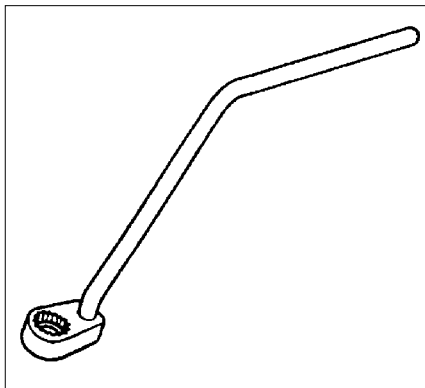
626 Each



Swivel Spark Plug Wrench

Patented design for all 12 & 14mm plugs. 180° rotation.

26020



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



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

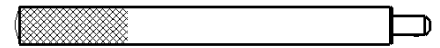


Oversize Timing Plug/Tap Kit

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

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.

PCP	Description
1254	Enrichener
3823	Main jet (super carb)
530452	Jet installer and removal tool on all B & E carbs



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.

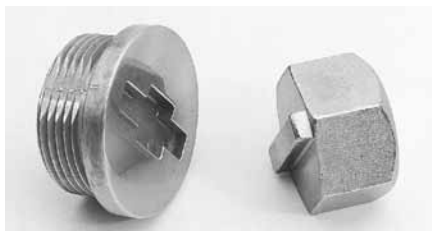
26038



Bearing Race & Seal Driver

Includes driver handle and 6 machined aluminum collets to fit most bearings.

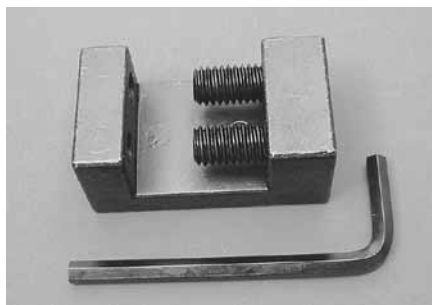
26036



Late Model XL Primary Case Plug 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



Link Press Tool

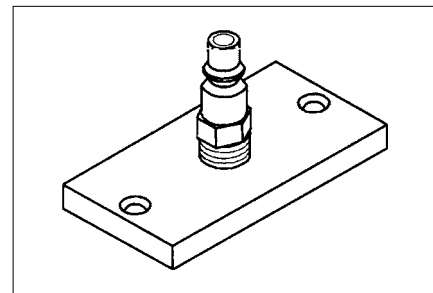
Presses the side plates on all 530 o-ring chains.

26012

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



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

PCP	Item
26171	For Indicator lamp
26172	For sending unit

Crane Cam Tuning

34545 Top dead centre piston stop



General Tools



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



"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



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 PCP25283 index washers for proper alignment.



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



Evolution Ratchet 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



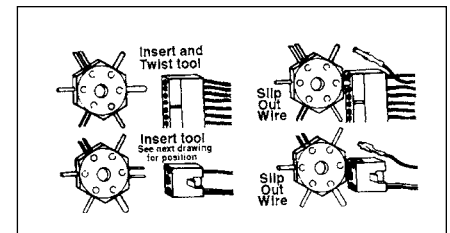
Accel 14mm Spark Plug Index Washer Kit
Soft copper spark plug washers allow the engine builder to align the ground electrode and adjust plug to piston clearance. Sold in a 30 pack assortment.
25283 For use with PCP 26125 spark plug indexer



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



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



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

General Tools



Gasgacinch Gasket Sealer

Sold as 4 oz. can.
59476



Gasoila 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.

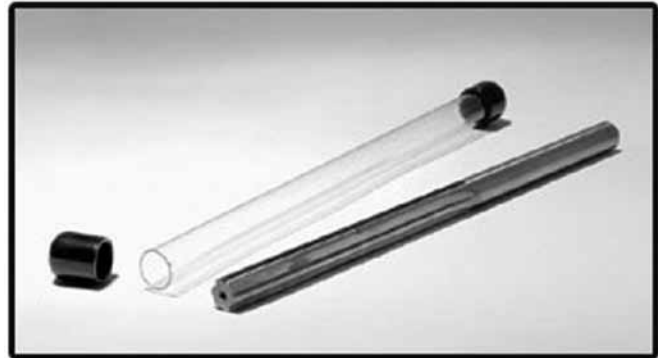
59474 Red varnish
59475 Blue/white



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.

PCP	Diameter	Application
34044*	7mm +0.001"	Stock OEM valves
34045	0.3110"	Evo, Twin Cam
34046	0.3115"	Evo, Twin Cam
34047**	0.3120"	Evo, Twin Cam

*HD 7mm valves are .001" oversized, #34044 must be used to fit AV&V bronze guides to accept OEM valves
** Recommended size for all Evo and Twin Cam AV&V valves



Jims Pin Extractor

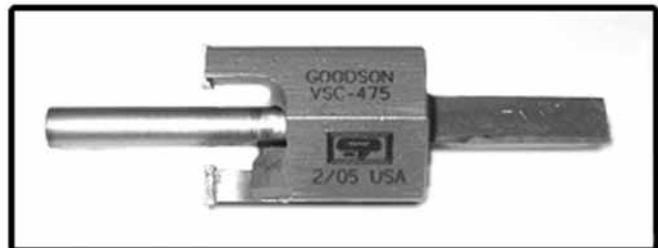
Easily removes the molex style pin from connectors.

31526 Use on all models

Jims Receptacle 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