

Spark Plug Wrenches

Spark Plug Socket 121-08239

For use with 5/8" spark plugs

- Special thin wall design fits in tight spaces
- Perfect for use on water-cooled 4-strokes with 5/8" spark plugs
- Unique 2-step extension - Swivel or fixed
- 3/8" drive swivel extension can be turned with a Phillips screwdriver, 3/8" ratchet or driver, or 14mm wrench or socket
- Spark plug socket can be turned with 3/8" driver, 19 mm wrench, or 19 mm socket
- Spark plug socket can be used with a screwdriver to hold the front 19 mm hex axles on late-model 4-stroke motorcycles
- Fits KTM 4-strokes, DR-Z400, CRF450R, YZ/WR400/426F, YZ250F, KLX300, DVX400 and many other motorcycles and ATVs with 5/8" spark plugs



Ratchet Spark Plug Kit 121-08318

Includes Wrench & Socket below.

Wrench 121-08147

Socket 121-08291

- Designed specifically to fit where there is limited space
- Ratchet mechanism works one way
- Fits standard 13/16" plugs



Spark Plug Wrench & Unique Holder

329-02024

- Air cooled wrench & unique holder carries 2 plugs and 1 wrench.
- For use with 13/16 in. spark plugs on air cooled bikes.



329-02025

- Water cooled wrench & unique holder carries 2 plugs and 1 wrench.
- For use with 13/16 in. spark plugs on water cooled bikes.



Spark Plug Socket 121-08175

Originally designed for Honda XR400s as a trail tool, but fits many models with 18mm plugs

- Thinwall design to fit into low clearance plug cavity
- Versatile design allows socket to be driven with various tools including the Motion Pro spark plug ratchet wrench, 3/8 in. ratchet, 13/16 in. wrench, tool kit bar, or a Phillips screw driver placed through the 8.5 mm hole at the top of the socket
- For use on following applications:
- Honda XR250R 84-03, XR350R 83-85, XR400R 96-04, XR500R 81-84, XR600R 85-00, XR650L 93-07, TRX300 88-91, TRX400EX 99-07, TRX400FW 96-99, TRX400ES 00, CRF150F 03-08, CRF230F 03-08
- Kawasaki KLF400 93-96
- KTM 400SXC 2000, 620LC4 96-97, 620SX 97-98, 640 LC4 99
- Suzuki LT160E 90-92
- Yamaha YFM250 99-05, YFM350X 86-88 & 90-99, YFM600 98-01, XT225 92-02, TT600 85



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Spark Plug Wrenches

Spark Plug Wrench 401-04100

3-Way for 10mm, 12mm, and 14mm plugs



Honda Spark Plug Wrench 401-04116

16mm, 4.75" long, zinc plated.

HON# 89216-KYZ-700 Replacement



Spark Plug Wrench 401-04110

12mm, fits NGK "D" series & ND "X" series.
4.75" long, Zinc plated.



Honda Spark Plug Wrench 401-04117

4.75" long, zinc plated.

HON# 89216-MV9-000 Replacement



Spark Plug Wrench 401-04111

13/16" for 14mm plugs.



Honda Spark Plug Wrench 401-04118

5.75" long, zinc plated.

HON# 89216-MR1-000 Replacement



Spark Plug Wrench 401-04113

Fits most watercooled 2-stroke M/C, ATVs, &
PWC with 13/16" plugs.



Tappet Tool Set

121-08073

- Heat treated and chrome plated for durability
- Set includes three wrenches, 8mm, 9mm & 10mm and three adjusters, screw type, 3mm & 4mm square
- Interchange adjusters and wrenches for 9 different combinations
- Fits nearly all Honda & Suzuki motorcycles and ATV's with screw-type adjuster as well as Yamaha SR 185/250, XT/TT250 & XS400



Universal Valve Adj. Kit 6 Piece Kit - Hon, Kaw, Yam 325-01055

- Fits most 4-stroke single & multi-cylinder models.
- 8mm, 9mm, & 10mm wrench sockets w/straight slot & square tip adjusters & rocker adjuster nuts.



Universal Valve Adj. Kit 4 Piece Kit 325-01016

- Fits most 4-stroke single & multi-cylinder models.
- 9mm, & 10mm wrench sockets w/straight slot & square tip adjusters & rocker adjuster nuts.



Multi-Valve Tools

- Dramatically reduces the time necessary to replace valves in modern 16 to 20 valve heads
- Used to install valve spring keepers
- Replaces the large clamp-type valve spring compressor
- The small tool is designed to fit the valves of 4 and 5 valve cylinder head (5mm valve stem dia. or smaller)
- The large tool is designed to fit valves with cylinder heads (5.5mm valve stem diameter or larger) with under 40 lbs. seat pressure
- Instructions included
- Made in U.S.A.

Small Multi-Valve Tool 121-08165

Large Multi-Valve Tool 121-08166



British Valve Adjustment Tool - 2 Piece Kit 325-01049

- Fits most (1950-1970's) Triumph twins 500, 650, & 750cc models. 7/16 USA - British 1/4 BS, 3/16 W, 5/16 BS, 1/4 W



Tappet Feeler Gauges

- Accurate tappet adjustments
- Makes adjustment quick and easy
- Packed 6 per display card
- Made in the U.S.A.



121-08052 (Card/6)

121-08392 (Each)

Sizes .002 & .003" Fits most Honda & some Suzuki models

121-08053 (Card/6)

121-08393 (Each)

Sizes .004 & .005" Fits some Honda models & Yamaha Singles

121-08054 (Card/6)

121-08394 (Each)

Sizes .006 & .008" Fits BMW models and Kawasaki KL models

121-08055 Two Each of Above

121-08378 (Card/6)

121-08398 (Each)

Sizes .005 & .024" Fits all 02-06 KTM 250/450/525 4-strokes



Valve Shim Tools

- For adjusting valve clearance on twin-cam models
- Holds valve spring bucket/collar down so adjusting shims can be removed
- Manufactured for hardened alloy steel

121-08017 Suz/Yam Valve Tool

- Replaces Suzuki tool 09916-64510 and Yamaha tool YM-04125
- Fits all Suzuki 4-stroke models with shim-type valve tappets
- Fits all Yamaha XJ600 Seca II models

121-08018 Honda Valve Tool

- Fits all CB750(ALL) 79-82, CB750SC 83, CB900C/F 80-82, CB1000C 83, CB1100F 83, CBX1050 79-82



Kawasaki Valve Tool

121-08019

- Fits all KZ 750/900/1000/1100/1300 models



Yamaha Valve Tool

121-08020

- Replaces Yamaha OEM YM-01245
- Fits all DOHC except: XZ550, XVZ1200/1300, FJ1100/1200, XT250, XT/TT350



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Valve & Rocker Clearance Adjustment Tools

325-01016

4 piece kit for fast, precision valve adjustment. Honda all 4 cycle street & dirt including ATC models. Yamaha most late model 4 cycle. All makes using 9mm and 10mm rocker adjuster nuts.

325-01020

Kawasaki 600, 750 & Ninja 1000 using 8mm & 10mm adjuster nuts



Piston Pin Tool

121-08068

- Aids in removing piston pins
- Fits all piston sizes from 40mm (1 5/8 in.) to 100mm (4 in.) and all piston pins from 12mm (1/2 in.) to 25mm (1 in.), including all single-cylinder engines from 50cc to 600cc and all 2, 3, & 4-cylinder models
- Will not damage piston during removal
- Made in the U.S.A.



Valve Spring Compressor

121-08247

- Improved quick action design
- Replacement for Honda tool 07757-0010000 & Kowa tool AKS-215-1010 OEM tools
- Accepts Motion Pro adapters (121-) as well as Honda OEM adapters 07GME-KT70200, 07JME-KY20100, and 07959-KM30101 for use in shim under bucket and small diameter valve spring keeper applications
- Both cup-type and ball-type tips are included



Adapter

121-08248

For use in shim under bucket and small diameter valve spring keeper applications.

Spring Hooks

Made in the U.S.A

121-08065 Standard Hook



121-08127 Heavy Duty Hook



Gear Jammer 121-08427

- Locks gears in place for easy installation and removal
- Allows tightening lock nuts to proper torque setting
- Works on virtually any motor
- Powerful magnet holds tool in place during use
- Billet 6061 T-6™ aluminum construction
- Blue anodized finish with laser engraved Motion Pro logo
- Originally developed for removing and installing the primary gear on a Honda CRF 450
- Made in USA
- Not for use with impact guns
- Patent pending



Cam Gear Holder 121-08437

- Allows you to easily torque the cam gear bolts on a 2002-2006 CRF450R/X & 2004-2008 TRX450R/ER without a second person
- Holds cam gear in place during removal / installation of bolts
- Works on stock and aftermarket CRF450 & TRX450 cam gears
- Reduces stress on cam chain and adjuster
- Billet 6061 T-6™ aluminum construction with hardened steel pin
- Blue anodized finish with laser engraved Motion Pro logo
- Made in USA



Stud Installation Tools 121-08152 Set of 3 Metric

- Will install cylinder studs on most motorcycles
- Hex head is 3/4 in. or 19mm
- Sold individually and in a set with three metric sizes
- Made in the U.S.A.

- 121-08149** M6 x 1.00
- 121-08150** M8 x 1.25
- 121-08151** M10 x 1.25
- 121-08148** 3/8" x 16



Four Stroke Leak Down Tester 121-08126

- Designed to check the amount of cylinder leakage in a 4-stroke engine
- With an air source of 70 to 160 psi. this system will pressurize the cylinder with 60 psi. of air
- Gauge will register the total percentage of leakage past the rings, head gasket, intake and exhaust valves
- 10, 12, & 14mm spark plug thread hoses, regulator and gauge included
- Speeds up troubleshooting & helps to isolate bad components
- Includes convenient carrying box & instructions
- Made in the U.S.A.



Two Stroke Leak Down Tester 121-08071

- Check for air leaks in 2-stroke engines
- Includes air pressure gauge, pump-up bulb and all the fitting and adapters for single and twin cylinder 2-stroke motorcycle engines
- Packed with instructions in a convenient carry box



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154-06880

The **Leakdown Checker** will pinpoint compression ring leaks, exhaust and intake valve leaks, leaks between cylinders or into the water jacket, or other causes of compression loss.

Cylinder leakage tests have traditionally been done using compressed air and special gauges. If compressed air wasn't available, the test could not be done. If compressed air was used, and the piston was not in exactly the right place, the engine could accidentally turn over, creating a safety hazard.

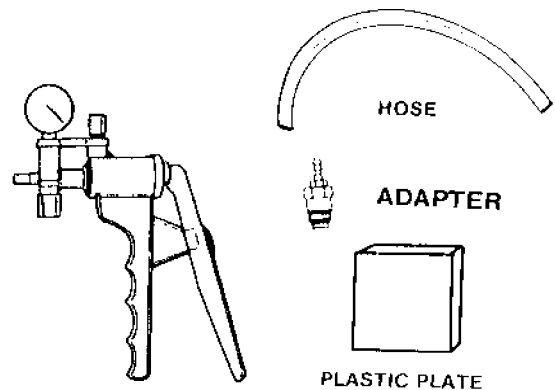
The Mityvac leakdown checker allows a mechanic to do the test in either the shop or the field. Some mechanics, for example, use it at the racetrack or when checking out a used car, when air may not be available.

The Mityvac leakdown checker requires no compressed air, no special gauges other than its own built-in gauge, nor any special training.

Because it uses vacuum instead of pressure, it's far safer.

It's fast, easy, accurate and it's completely portable.

The Mityvac LEAKDOWN TESTER



Compression Tester 121-08188

Designed to check cylinder compression

- Contains hoses for 10, 12 & 14mm spark plug applications
- Features a quick disconnect with a pressure release valve and a 300 psi. gauge
- Packed in a convenient carry box, complete with instructions

Torque Wrench Adapter 121-08134

- Chrome-vanadium tool steel with satin-chrome finish
- Properly torque two-stroke cylinder base nuts
- Will fit 12mm and 14mm nuts
- Extends the reach of 3/8" drive torque by 3"
- Chart supplied
- Check owners manual for proper torque specifications



Compression Tester 715-06400

Motorcycle compression tester with 10, 12, 14, & 18mm adaptors included

Replacement Adaptors

715-02782 10mm.

715-02783 12mm.

Adjustable Torque Wrench Adapter 121-08380

- Torque any fastener with a combination wrench or Allen wrench
- Will work with 6mm (1/4") through 19mm (3/4") combination wrenches
- Will work with 6mm and 8mm Allen wrenches
- Heat-treated steel with a black oxide finish
- 3/8" square drive is rated for a maximum torque of 90 ft-lbs

