

BEEHIVE VALVE SPRING KITS



The advantages of these performance spring kits are as follows:

- Higher RPM Capability
- Increased Revving Capability and Valve Control
- No Rocker Box Clearance Issues
- Engineered to Maximize "Harmonic Resistance"
- Handles Spring Harmonics Throughout a Wide RPM Band
- Reduces Noise
- Runs Cooler

KITS INCLUDE SPRINGS, COLLARS, RETAINERS AND KEEPERS

JIMS® PERFORMANCE "BEEHIVE STYLE" VALVE SPRING KITS

These "Beehive Style" Valve Spring Kits are the newest in valve spring technology for your Twin Cam® or Sportster®. These are the top choice when installing high lift cams and made from the highest quality materials available. Valve spring retainers available in either chromoly or titanium. JIMS® No.1383 or 1384 are for street applications using OEM 7mm valves, guides and H-D® No.18094-02A seals or equivalent. JIMS® No.1385 is for race applications with larger 5/16" valve stems. All component piece sets are available on 42 and 43 pages. All JIMS® springs are magnafluxed to insure quality.

PART NO.	YEAR & APPLICATION	DESCRIPTION	SPRING O.D.	I.D. CHECKING HEIGHT	PRESSURE AT OPEN HEIGHT	PRESSURE AT BIND HEIGHT	COIL BIND	RETAINERS	SPRING NO.
1383	2005 to present Twin Cam® 2004 to present Sportster® & Buell®	Good street and performance spring to .600" lift	1.095" 1.445"	.650" 1.00"	Lbs. 155 In. - 1.880"	Lbs. 167 In. - 1.850"	1.230"	Chromoly	#1300
1384	2005 to present Twin Cam® 2004 to present Sportster® & Buell®	Good street or race performance spring to .600" lift	1.095" 1.445"	.650" 1.00"	Lbs. 155 In. - 1.880"	Lbs. 166 In. - 1.850"	1.230"	Titanium	#1300
1385	84-99 Evo, 99-04 Twin Cam® 86-03 Sportster® & Buell Except 1125R	Good street or race performance spring to .690" lift	1.185" 1.589"	.731" 1.135"	Lbs. 179 In. - 1.190"	Lbs. 193 In. - 1.850"	1.190"	Titanium	#1301

NOTE: Please see the following pages for individual "Beehive Style" valve springs, retainers and locks.

NOTE: Use to remove and replace valves and conical valve springs. See page 141.

NOTE: Engine builder still has the responsibility of checking and confirming the operating clearance when installing any of JIMS® products.



JIMS® CONICAL VALVE SPRING COMPRESSOR TOOL

Add this collar to your JIMS® valve spring compressor tool No.96600-36B to remove and replace valves and conical (Bee Hive) H-D® No.18245-02 springs, a must-have tool for safe valve work. No.988 - Use on all '05 to present Twin Cam®, (except SE models). Use on all '04 - present XL's & Buell® Twins, except 1125R.

JIMS "ON BIKE" VALVE SPRING COMPRESSORS

When changing valve springs for performance upgrades, or simply replacing a leaking valve seal, it is necessary for the technician to completely remove the cylinder head from the engine. This adds unnecessary time and expense. You can now use this revolutionary and creative new tool that JIMS has developed, which eliminates this step completely. This patent pending "on bike" valve spring compressor kit for Milwaukee Eight engines, works with the cylinder head installed on the motor. Simply remove the rocker box covers and rocker arms, and install this unique compressor on the rocker arm shaft. Once the cylinder is filled with compressed air, the technician can easily rotate the tool and compress the top collar of the valve spring exposing the keepers to remove the top collar, valve spring, and seal. This patent pending tool dramatically saves time for any technician working on Milwaukee Eight performance upgrades or service work.

No. 5835 – For use on the Milwaukee-Eight® Engine



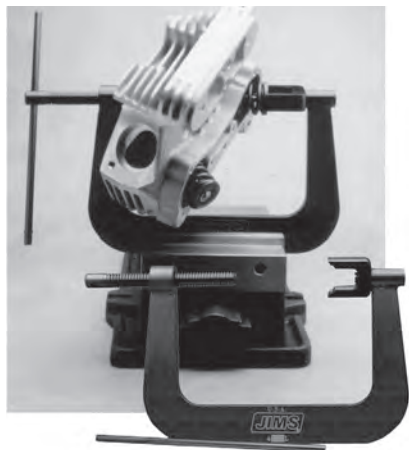
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JIMS NEW & IMPROVED MINI VALVE SPRING TESTER

0 to 1000 P.S.I. GAUGE

Use this tool in either a bench vice, arbor, hydraulic screw press or a drill press. Tool fits any dual rate or conical valve spring with an O.D. no larger than 1.6" diameter. Precision gauge comes with a protective rubber boot. For more details see No.1090-IS instructions.

No. 1090 – Use on any dual rate or conical valve spring with an O.D. no larger than 1.6" diameter.



VALVE SPRING COMPRESSOR TOOL

This tool is necessary for removing or installing valves. Hardened ball bearing style tip at valve head end eliminates damage to valve. Comes with new valve collar receiver for safer tool usage, and can be clamped in vice. For more details see No. 96600-IS instructions.

No.96600-36B - Use on all OHV Big Twins and XL's to 2003. Use on all Buells® to 2002. Use on all Big Twin S.E. Models to present.

VALVE SPRING COLLARS

No.988 - Use on all 2005-present Big Twins, except S.E. models. Use on all 2004-present XL's. Use on all 2003-present Buell® Twins, except 1125R with existing Compressor Tool No.96600-36B.

(See page 40 for JIMS® Beehive Springs)

No.5808 - For use on the Milwaukee-Eight® engine valve springs with existing Compressor Tool No.96600-36B



HEAD HOLDER TOOL

Use to hold head in vice through spark plug hole. Has 14mm and 12mm ends. This tool allows you to easily position head for all types of work. For more details see No. 2341-IS instructions.

No.2341 - Use on Big Twin 1948-present. (Includes Twin Cam® aftermarket heads.) Use on Sportster® 1957-present. Use on Buell® 1987-present, except 1125R.

No. 5828 - Use on the new Milwaukee Eight® as well as all Twin Cam Heads.

