

GOODSON

Tools and Supplies for Engine Builders

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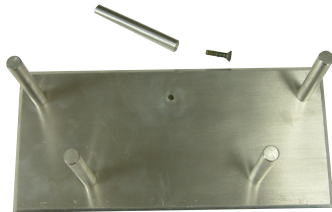
VSH-KIT Dial Indicated Valve Stem Height Gauge with Stand Instructions

Please read instructions before using Stand Assembly

- 1 TS-5 Tool Stand as received in VSH-KIT



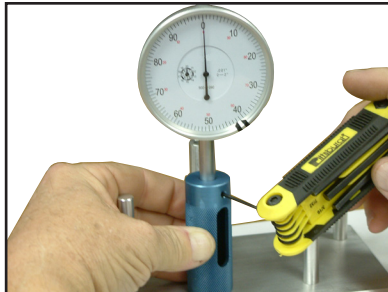
- 2 Remove center pin. Turn stand over. Use your Allen Wrench (not included) to remove the fastening screw.



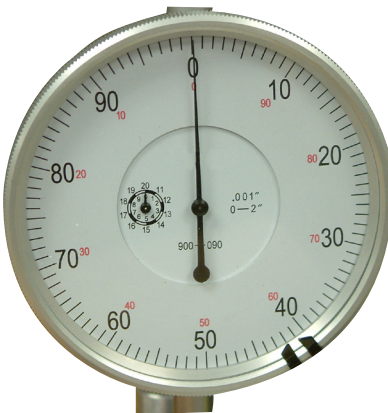
- 3 Install the supplied 3/8" x 2" tube using the screw previously removed. This tube will become the storage area for the indicator and/or indicator/tube assembly when not in use.



- 4 To install measuring body, have the dial indicator inside the body and flush with a machined surface. Tighten the set screw with an Allen Wrench (not included).



- 5 To Zero the dial indicator gauge, have it flush with a machined surface and turn the face of the gauge clockwise or counter-clockwise until the pointer aligns with the 0.



KIT COMPONENTS

ORDER NO.	DESCRIPTION
MDI-2	2" travel, .001" graduations Dial Indicator
VSH-205	.750" OD, .625" ID, 3.830" OAL Measuring Body
VSH-203	.900" OD, .770" ID, 2.840" OAL Measuring Body
VSH-204	.900" OD, .770" ID, 3.840" OAL Measuring Body
VSH-201	.1.060" OD, .812" ID, 2.840" OAL Measuring Body
VSH-202	1.250" OD, 1.090" ID, 3.300" OAL Measuring Body
TS-5	Tool Stand

ACCESSORIES

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VSH-KIT Dial Indicated Valve Stem Height Gauge with Stand Instructions

Please read instructions before using.

This tool is used to measure the distance from the valve spring pad to the tip of the valve stem. This measurement is called **Valve Stem Installed Height**.

Calibration

To calibrate, install dial indicator loosely into the top of desired tube. Stand the 2" checking standard on end on a flat surface, place tube and gauge assembly over the checking standard, viewing through side window for indicator to standard contact.

The **VSH-201** tube should have the dial indicator set for maximum reading (10 revolutions on gauge), then tighten dial indicator. This will set gauge to read from one inch to two inches.

On the **VSH-202** tube, the dial indicator should be set for 5 revolutions on gauge, then tighten indicator. This calibrates the gauge to read from 1.5" to 2.5". (You must remember the correct starting point of measurement when using this tube.)

Instructions for Use

To use this tool, disassemble valve train leaving the valves in the cylinder head. Place tube and indicator assembly over valve stem viewing through slot in the side of tube to make indicator contact. Record reading and compare readings for each valve stem. The readings should be within .010 of each other. If one *Valve Stem Installed Height* reading varies greatly from the others this indicates a problem with that valve or seat.

When re-assembling us the original readings as a reference: a rule of thumb is to assemble to within +/- .030 of the original reading.

