



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR JIMS No.S 1824, 1825, AND 1826 STEADY ROLL TAPPETS

JIMS Steady Roll Tappet is designed with a special bronze alloy bushing instead of needle bearings in the tappet's roller and uses our proven Powerglide II hydraulic unit and fitments.

Standard O.D. is .8425" Fits Evo Big Twin 1984-present, Sportster 1986-1990, Buell 1987-1990

No. 1824 STD

No. 1825 +.002"

No. 1826 +.005"

READ ALL INSTRUCTIONS BEFORE STARTING JOB.

CAUTION: *Disconnect the ground cable at the battery.*

Note: As you are preparing the engine for the installation of the new JIMS Steady Roll tappets, place all 4 tappets in a clean container filled with H-D 20W/50 oil to cover tappets, let them soak for 20 minutes.

Install tappets per H-D Service Manual and running specifications

1. These tappets will work best in JIMS Tappet Blocks No. 1094 with a running clearance of .0007" to .0012". Use JIMS No. 33443-84 Tappet Block Alignment Tool.
2. JIMS Steady Roll Tappet can also be run in H-D blocks with a running clearance of .0007"-.0012".
3. JIMS Steady Roll Tappets are assembled with a small amount of oil to ease in the adjustment.
4. If the pushrods you are using are adjustable, proceed as follows.
5. With the Steady Roll Tappet installed, start with the front tappet at the lowest point on the cam, extend the pushrod to zero lash (no up and down play, but has a light spin.)
6. Extend the pushrod adjuster 15 wrench flats if the pushrod has 24 threads per inch. Follow specifications supplied with the pushrods used. Tighten lock nut. Repeat this procedure for the intake pushrod.

Note: Popular pushrod adjustments listed below.

Important Note: This adjustment will make the pushrod tight, which will bleed down the hydraulic lifter. It can take 5-15 minutes to bleed off completely.

Caution: *It is very important that the engine is not rotated while the pushrods are tight. The pushrod will spin with your thumb and forefinger after the tappet has bled off.*

7. Check for proper adjustment with JIMS No. 746 Tappet Adjustment Tool. The goal is to depress the hydraulic plunger .100" below the retaining ring and pushrod seat.
8. Re-check lock nuts, close covers, and install clips. Use JIMS No. 917 pushrod clip installation & removal tool.
9. Repeat exact procedure on rear cylinder pushrods making sure you are on the lowest part of the cam lobe.
10. Turn engine over several times to pump oil into the Steady Roll Tappet or until the oil light goes out, or oil is returning to the oil tank.

CAUTION: *Use 20W/50 Motor Oil and Clean the Tappet Screen*

For detailed hydraulic lifter and troubleshooting information see "Powerglide Tappet Information". Refer to JIMS catalog tappet section, or website catalog at www.jimsusa.com



Performance Parts For Harley-Davidson Motorcycles

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VISIT US ON THE WEB AT WWW.JIMSUSA.COM



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WARRANTY

All JIMS parts are guaranteed to the original purchaser to be free of manufacturing defects and workmanship for a period of six (6) months from the date of purchase. Merchandise that fails to conform to these conditions will be repaired or replaced at JIMS option if the parts are returned to us by the dealer (purchaser) within the six (6) month warranty period or within ten (10) days thereafter. In the event warranty service is required, the original purchaser must call or write JIMS immediately with the problem. Some problems can be rectified by a telephone call and need no further course of action. A part suspected of being defective must not be replaced by a dealer without prior authorization from JIMS to make an evaluation to determine whether the part is defective, it must be packaged properly to prevent further damage and be returned prepaid to JIMS with a copy of the original invoice of purchase and a detailed letter outlining the nature of the problem, how the part was used and the circumstances at the time of failure. If after an evaluation has been made by JIMS and the part was found to be defective, repair, replacement or credit will be granted.

ADDITIONAL WARRANTY PROVISIONS

1. JIMS shall have no obligation in the event a JIMS part is modified by any other person or organization.
2. JIMS shall have no obligation if a JIMS part becomes defective in whole or in part as a result of improper installation, improper maintenance, improper use, abnormal operation, or any other misuse or mistreatment of the part.
3. JIMS shall not be liable for any consequential or incidental damages resulting from the failure of a JIMS part, the breach of any warranties, the failure to deliver, delay in delivery, delivery in nonconforming condition, or for any other breach of contract or duty between JIMS and a customer.
4. JIMS parts are designed exclusively for use in Harley-Davidson Motorcycles. JIMS shall have no warranty or liability obligation if a JIMS part is used in any other application.
5. If it has been determined that one or more of the tappets needs to be returned to JIMS for inspection the following must be carried out before returning.
 - A. As each tappet (one at a time) is removed from the engine it must be cleaned so it can be marked with grease pencil or a similar marker that will not come off during shipping. Caution: Do not use a scribe, electric pencil or any type of marking that will damage the tappets surfaces, all warranties will be void if any permanent marking is used.
 - B. Mark each tappet for its location i.e. front or rear, intake or exhaust; all marked for the side that was facing the cylinders. Example: Rear Intake with a "C" on the side of the tappet that had faced the cylinders, R/I/C. Note: If tappets have been revised and marked as above they will be repaired or replaced as required. If repaired and returned they must be installed in the same location. Example: F/I for front intake.

CAUTION: WEAR SAFETY GLASSES OVER YOUR EYES.
SEE JIMS® CATALOG FOR HUNDREDS OF TOP QUALITY PROFESSIONAL TOOLS.
THE LAST TOOLS YOU WILL EVER NEED TO BUY.

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