



A Division of Thiessen Products, Inc.

## INSTRUCTION SHEET FOR No. 1045-RR ROCKER ARMS

**ROLLER ROCKER ARM SET**  
 SURPASSES H-D® No.17360-83 & 17375-83  
 USE ON BIG TWIN - 1984-PRESENT  
 USE ON TWIN CAM™ 1999 - PRESENT  
 USE ON SPORTSTER® - 1986-PRESENT



READ ALL INSTRUCTIONS BEFORE STARTING JOB.

1. Refer to H-D Service Manual for removal of rocker arms (**Warning:** Disconnect negative cable to battery or remove Maxi-Fuse).
2. After you have backed off the push rods for the rockers you are working with, remove old rockers and shafts.
3. Inspect shafts for wear and burrs, replace with JIMS® No. 17611-83 if needed.
4. Doing the front cylinder first, make sure push rods are at the lowest point before assembly of rockers.
5. Apply assembly lube to the I.D. of the rockers and O.D. of shaft, set both rocker arms in place. Front intake is marked JIMS FI-RE (it is also the Rear exhaust). The front exhaust is marked JIMS FE-RI (it is also the rear intake).
6. With rocker in place in front head, slip lubed shaft through rocker plate and rocker one at a time. At same time align the notch in shaft with the hole in rocker plate. Stop when lubed locking bolt will thread into plate past rocker shaft.
7. Before torquing bolts check for the correct end play, see H-D® Service Manual specifications.
8. Torque all bolts per H-D® Service Manual, apply a small amount of lube to both ends of rockers.
9. Adjust push rods, per push rod instructions, and/or hydraulic tappet instructions. Lube both ends of push rods.
10. Repeat above for rear cylinder.
11. NOTE: When installing rocker arms in Twin Cam™, check for running clearance inside rocker cover (Above the roller arm). Also, you must check push rod to push rod tube clearance where the tubes seal in the head.
12. If rocker arms contact rocker cover (at the casting), remove material from inside the rocker cover as required for your application. Do not modify Rocker Arms.

CAUTION: WEAR SAFETY GLASSES. EXCESSIVE FORCE MAY DAMAGE PARTS OR TOOLS. SEE JIMS® CATALOG FOR HUNDREDS OF PERFORMANCE PRODUCTS AND TOOLS FOR USE ON HARLEY-DAVIDSONS®.

*"From the Track... To the Street!"*

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13. If the push rod contacts the push rod tube, you must loosen the 4 rocker support plate bolts (1/2 turn at a time) and then align push rods inside the pushrod covers
14. With rocker covers removed and push rods adjusted, visually check for clearance where the push rod tube seats in the head. To gain proper clearance, move the rocker support plate towards the cam side of the motor and tighten the 4 bolts using a criss-cross pattern (turning no more than 1/2 turn at a time,) and then torque bolts (15-18 ft Lbs.). This procedure can give as much as .020" to .030" clearance.
15. In the event that you need more than this clearance, use JIMS No. 1224 Inner Push rod Cover that measures and additional .015" with an I.D. of .6". This push rod cover should be cut to length of 3.908" with tubing cutters. DO NOT MODIFY ROCKER ARMS TO GAIN CLEARANCE!

***It is still the responsibility for the engine builder to check and confirm all operating clearances when using any JIMS product.***

### WARRANTY

All JIMS® parts are guaranteed to the original purchaser to be free of manufacturing defects in material 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 within the six (6) months 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 by JIMS®. If it is deemed necessary for 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 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 in 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 JIMS® part is used in any other application.
5. Any JIMS® parts or tools that are returned and replaced become the property of JIMS® and will not be returned under any circumstance.

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