



A Division of Thiessen Products, Inc.

# INSTRUCTION SHEET FOR #2456-1, 2457-1, & 2458-1



**No.2456-1 STD.**  
**No.2457-1 OVERSIZE +.002"**  
**No.2458-1 OVERSIZE +.005"**

## POWERGLIDE™ TAPPET, STANDARD O.D. IS .8425"

BIG TWIN SINGLE CAM - FITS 1984-PRESENT  
 SPORTSTER - FITS 1986-1990  
 BUELL - 1987-90

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".
  2. JIMS® Power Glide™ Tappet can also be run in H-D® blocks with a running clearance of .0007-.0012.
  3. JIMS® Power Glide™ 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 Power Glide™ 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 pushrods have 24 threads per inch, 17 wrench flats if pushrods have 28 threads, 18 wrench flats if your push rods have 32 threads per inch, 24 wrench flats if your push rods have 40 threads per inch and 30 wrench flats if your pushrod has 52 threads per inch. Tighten lock nut. **Note:** Popular Pushrod adjustments below.
- IMPORTANT NOTE:** This adjustment will make the pushrod tight, which will bleed the hydraulic lifter. It can take 10-15 minutes, or longer, to bleed off. It is very important that the engine is not rotated while pushrods are tight. The pushrod will spin with your fingers after the tappet has bled off.
7. Recheck lock nut, close covers and install clips.
  8. Repeat exact procedure on rear set.
  9. Turn motor over several times to pump oil into the Power Glide™ Tappet or until the oil light goes out, or oil is returning to the oil tank.

**CAUTION: USE 20W-50 MOTORCYCLE OIL AT BEST AND CLEAN THE TAPPET FILTER SCREEN.**

**For detailed hydraulic lifter and trouble shooting information see "Powerglide™ Tappet Information". Refer to JIMS catalog tappet section, or web site catalog at [www.jimsusa.com](http://www.jimsusa.com)**

PUSHROD ADJUSTMENTS				
Distance per turn	Distance per flat	Threads per inch	Wrench Flats	Total Travel Distance
.0417	.0069	24	15	.1042"
.0357	.0059	28	17	.1011"
.0313	.0052	32	18	.0937"
.025	.0042	40	24	.100"
.0192	.0032	52	30	.0962"

POPULAR PUSHRODS		
JIMS®	32	Slim-Jims
Andrews	28	
Andrews	32	
Crane	24	Time Savers
Crane	32	
H.D.	32	
S & S	32	
Rivera	40	Taper Lite

### WARRANTY

All JIMS® parts are guaranteed to the original purchaser to be free of manufacturing defects in materials 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. 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 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 other 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 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 they were removed from. If any are replaced they will be marked for there location.

Example: F/I, for front intake.

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