



A Division of Thiessen Products, Inc.

## INSTRUCTION SHEET FOR TRANSMISSION SUPER KITS

### USE IN 5-SPEED CASES, BIG TWIN

No. 2385-7 USE ON 1985-89 5-SPEED, CLOSE RATIO

No. 2386 USE 1990 TO PRESENT 5-SPEED, STANDARD RATIO

No. 2386-7 USE 1990 TO PRESENT 5-SPEED, CLOSE RATIO



**NOTE:** If you are starting out with a bare case to install your JIMS Super Kit into, you should be aware that you must use all corresponding part numbers for the year of application. This is important with the shifter mechanism, shift drum, drum supports, top lid, neutral switch and centering adjuster screw, for all to function correctly.

#### JIMS® Recommended Tool List

No.2316 or 2317	Primary Locking Bar
No.38515-90	Clutch Spring Compressor Tool
No.34902-84	Mainshaft Bearing Race Tool
No.94660-37A	Mainshaft Sprocket Lockout Wrench
No.2260	Big Twin Sprocket Lock Tool
No.95660-85	Main Seal Driver Tool
No.1720	5-Speed Main Bearing Remover Tool
No.35316-80	5-Speed Transmission Main Drive Gear Tool
No.2283	5-Speed Door Puller Tool

Refer to H-D® Service Manual for specifications, per year and model your working on.

1. Use in 5-speed cases, 1980-present, or any aftermarket 5-speed case.
2. Make sure the case you are using is clean. Check all threaded holes for metal chips, debris etc. It's a good idea to wash the case thoroughly with solvent and blow dry with compressed air. CAUTION: Wear Safety Glasses.
3. If you are using a new aftermarket bare case, start by installing the main drive gear and bearing. Use JIMS® No.35316-80 main drive gear and bearing installation tool, follow instructions provided with the tool.
4. Install countershaft needle bearing in the case by pressing on the letter side only. Use JIMS No.739 counter shaft bearing removal/ installation tool. Install mainshaft oil seal (garter spring side toward transmission case) using JIMS 95660-85 seal installer. Install quad seal, spacer, and transmission sprocket on the main drive gear. Apply thread lock (red) like JIMS No.4502 or similar high strength locking agent.
5. Apply a small amount of oil on face of sprocket nut and the sprocket. Install the nut finger tight (nut has left thread), install transmission door gasket over dowels on transmission case.
6. Install shifting arm assembly, JIMS No.2384 or equivalent. With the adjusting screw in the centering plate slot.
7. Install transmission super kit in the case and through the main drive gear with assembly lube on bearing surface. Push door on dowel pins so door is against the case. Install screws and torque to factory specifications. Engage two gears to lock transmission and tighten sprocket nut to 110-120 ft. lb. of torque.
8. Follow H-D Service Manual for installation of lockplate. Refer to H-D Service Manual for assembly of shifter drum and forks.
9. Fill the final assembled gearbox with 20-24 oz. of Torco 80W-90W oil, or equivalent. Change oil at 500 miles. Refill case with Torco 75W-140 Synthetic, or equivalent.

*Performance Parts For Harley-Davidson® Motorcycles*



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### WARRANTY PROVISIONS:

All JIMS parts are guaranteed to the original purchaser to be free of manufacturing defects in materials and workmanship for a period of 6 (six) 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 purchaser within the 6 (six) month warranty period or within 10 (ten) 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. Any JIMS parts or tools that are returned and replaced become the property of JIMS and will not be returned under any circumstance.

**CAUTION: WEAR SAFETY GLASSES. EXCESSIVE FORCE MAY DAMAGE PARTS!  
SEE JIMS® CATALOG FOR HUNDREDS OF TOP QUALITY PROFESSIONAL TOOLS.  
THE LAST TOOLS YOU WILL EVER NEED TO BUY.**

*Performance Parts For Harley-Davidson® Motorcycles*