Thank you and congratulations!

You and your Harley-Davidson® have just taken the first step towards owning the finest precision designed and engineered transmission components known to the Harley-Davidson® market. JIMS® gears and shafts surpass the stock requirements and demands of the present and future Harley-Davidson® motorcycle.

**WARNING: Disconnect negative cable of battery.**

1. Refer to H.D.® Service Manual for removal of old gears. (Do not reuse the lock rings) See JIMS® catalog for JIMS® transmission rebuild kit, containing all the parts needed to rebuild a transmission, along with JIMS® professional service tools.

2. With mainshaft in hand, slip all the splined gears, No.35025-79B or No.35025-CR, and No.35026-79C, over mainshaft to check for free movement over splines. If gear does not move freely over mainshaft turn gear one tooth at a time until it slips over mainshaft smoothly.

3. If you have any rough or tight spots they will need to be lapped out. For lapping use JIMS® #1083 coarse lapping compound, or #1084 fine lapping compound.

4. Apply a few small finger dabs of lapping compound to I.D. of gear, slide gear over mainshaft with a back and forth motion several times.

5. Wash all traces of lapping compound from gear, and mainshaft, I.D. and O.D. NOTE: Check all other sliding gears for smooth movement on mainshaft, lap in if needed.

6. You may still need to turn gear one tooth at a time to find the smoothest fit.

7. Assemble per H.D.® Service Manual using all new parts, and assembly lube as needed.

**CAUTION:** Wear safety glasses. Excessive force may damage parts!

See JIMS® catalog for over 100 other top quality professional tools.

The last tools you will ever need to buy.

A Division of Thiessen Products, Inc.

555 Dawson Drive, Camarillo, CA 93012  Phone 805-482-6913 • Fax 805-482-9224