A Division of Thiessen Products, Inc.

# Instruction Sheet For Tool #767 & #768

## Transmission case shifter shaft seal installer tool




No. ***767*** - *Use to install H-D seal No.**37101-84B** on 2006 to present H-D 6-Speed Cruise Drive transmissions, and Sportsters 1984 to 2005.*

No.***768*** - *Use to install H-D seal No.**12045** on all Big Twins 1980 to 2006 using a 5-speed transmission case.*

### Installation :

1. Refer to H-D Service Manual for the year and model you're servicing for instructions on getting access to, and removing the old seal.

2. After the old seal is removed clean the seal seating area and shifter shaft of any dirt, etc.

3. Lube the I. D. and O. D. of the new seal and gently slip it over the spline area of the shifter shaft and position it against the case. **See Fig 1**

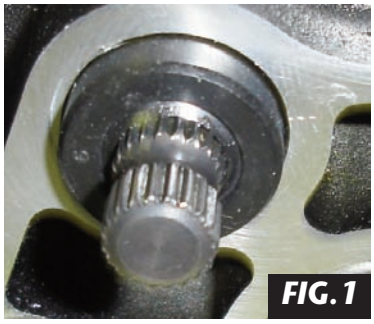
4. Place the hole end of the tool on the shaft up against the seal and using a light mallet tap the end of the tool until the seal seats in the case.

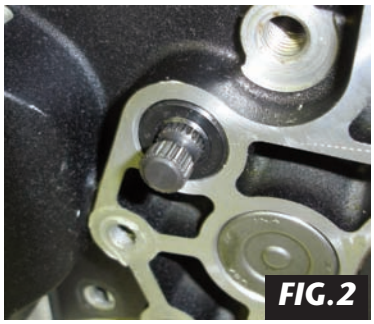
5. *On the **5 - Speed** case the seal will seat flush with the case using tool No. **768**.* **See Fig 2**

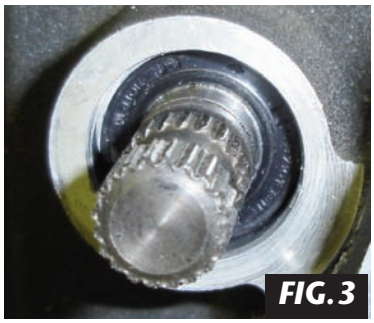
6. On the **6 - Speed** case the seal will seat inside the counter bored area using tool No.***767***.

**Note:** *Notice the shifter shaft has a larger O. D. step on it. Make sure your seal is seated in the case approximately .050" inside bore allowing the seal to sit on the larger shaft O.D.* **See Fig 3**.

7. Install your washer and retainer ring onto the shaft per service manual.


FIG.1


FIG.2


FIG.3

CAUTION: Wear safety glasses over your eye's.
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*

555 Dawson Drive, Camarillo, CA 93012 Phone 805-482-6913 • Fax 805-482-7422