



INSTRUCTION SHEET FOR TOOL No.1167

BALANCER SHAFT BEARING REMOVER INSTALLER

USE ON ALL TWIN CAM 88™ BALANCED ENGINES
USE TO REMOVE AND INSTALL BALANCER SHAFT BEARINGS.



Note: Read entire instruction sheet before performing work.
Always replace all four bearings (crankcase and housing, front and rear) during a complete bottom end overhaul. Use JIMS tool No.1146 for removal of housing bearing. Refer to H.D. Service Manual for installation and removal of housing bearing.

BEARING REMOVAL - Refer to fig.1 for tool assembly.

1. Install Bearing Puller (No.1167-3) with lube on tip into bearing by pressing with heel of hand or by tapping in with a nylon hammer.
2. Place Bridge (No.1167-1) over Bearing Puller (No.1167-3) so both ends rest on case.
3. Insert Pin (No.95760-TB-1) inside Bearing Puller (No.1167-3). Push down until Pin (No.95760-TB-1) bottoms out on case.
4. Place Brass Washer (No.1099) followed by Nut with lubed threads (No.1098) on Bearing Puller (No.1167-3). Spin Nut (No.1098) down until finger tight.
5. Remove bearing by holding Bearing Puller (No.1167-3) with a 5/8" open end wrench and using a 1-1/8" box end wrench, tighten Nut (No.1098) until bearing is pulled from case. (Note: Do not turn bearing puller with the 5/8" wrench, just hold it from turning.)
6. Repeat above steps for other bearing.

BEARING INSTALLATION

NOTE: Take the proper precautions when supporting crankcase half. Failure to do so may result in damage to exterior finish.

1. Place left crankcase half in an arbor press. Use wood blocks covered with clean rags to support case half and protect exterior finish. You may need varying sized blocks due to uneven surface.
2. Place new bearing with lube in O.D. in bearing boss and insert Installation Collar (No.1167-2) over bearing. See fig.2.
3. Center Installation Collar (No.1167-2) under arbor press ram. Press bearing in until fully seated.
4. Repeat above steps for other bearing. See fig.3

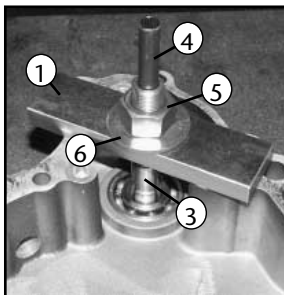


Fig. 1

No.	Description	Part No.
1	Plate	1167-1
2	Installer Collar	1167-2
3	Bearing Puller	1167-3
4	Rod	95760-TB
5	Nut	1098
6	Washer	1099

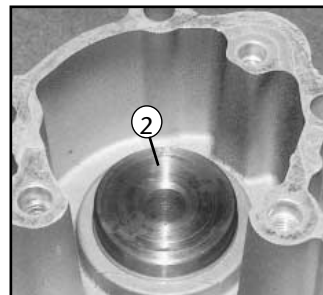


Fig. 2



Fig. 3

CAUTION: WEAR SAFETY GLASSES. EXCESSIVE FORCE MAY DAMAGE PARTS! ,SEE JIMS® CATALOG FOR OVER 200 OTHER TOP QUALITY PROFESSIONAL TOOLS. THE LAST TOOLS YOU WILL EVER NEED TO BUY.

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