JIMS U.S.A. ®

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INSTRUCTION SHEET FOR TOOL NO.1146

TWIN CAM BETA MOTOR CASE BEARING REMOVER & INSTALLER
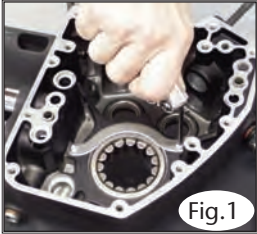## USE ON ALL 2000-PRESENT BETA MOTORS
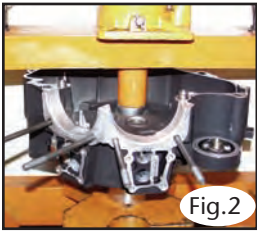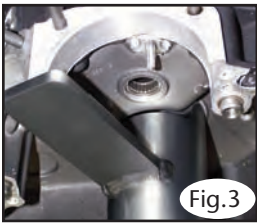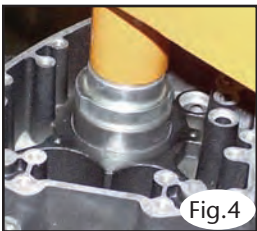

Fig.1

Fig.2

Fig.3

Fig.4

Bearing Removal:

1. Be sure the Torx screws (2) and bearing plate have been removed (Fig.1), place the support tool No.1146 on the press table with remover side facing up (laser marked "REMOVER SIDE") With the Cam side of motor case facing down (flywheel side of motor case facing up) Position the old Bearing to be removed over the support's bore side of Tool.

2. Slip driver/pilot (No.1146-3) though old bearing and into the support tool Note: You must match the contour of driver/pilot, with the contour of case, See Fig.2.

3. Position ram of press over the center of driver/pilot, apply pressure slowly until bearing is free from case.

Bearing Installation:

1: Start by turning tool support No.1146 over so that the installer side is facing up (laser marked INSTALLER SIDE)

2: With the Cam side of case facing up, bearing centered over tool support and the of leg of support tool located as shown in Fig. 3. This will allow the case to sit flat on support tool.

3: Coat the bearing bore & O.D. of new bearing with press fit lube or clean H-D 20-50 motor oil

4: Start new bearing into it's bore by hand, then slip driver/pilot No.1146-3 though new bearing and into the support tool (bearing letter side up) & position ram of arbor press over the center of driver/pilot (Fig.4). **_Apply pressure slowly_** until bearing is fully seated or until resistance is felt.

Note: *Over aggressive pressure cold fracture case*

5: Remove tool (keep tool clean for the next job) & case, replace retaining plate & both screws with Blue Loctite applied to threads, tighten to 20-30 in-lbs.

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.

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