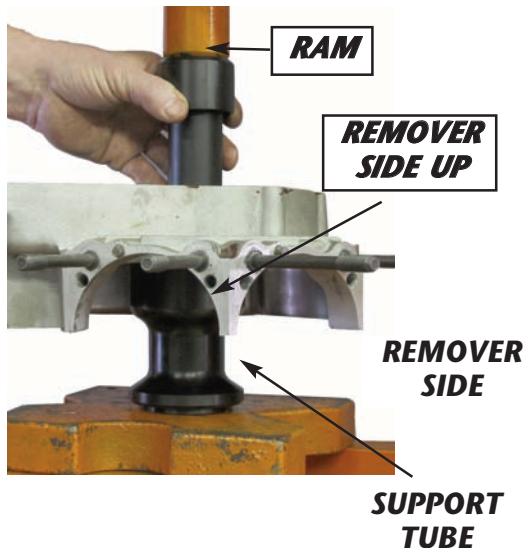
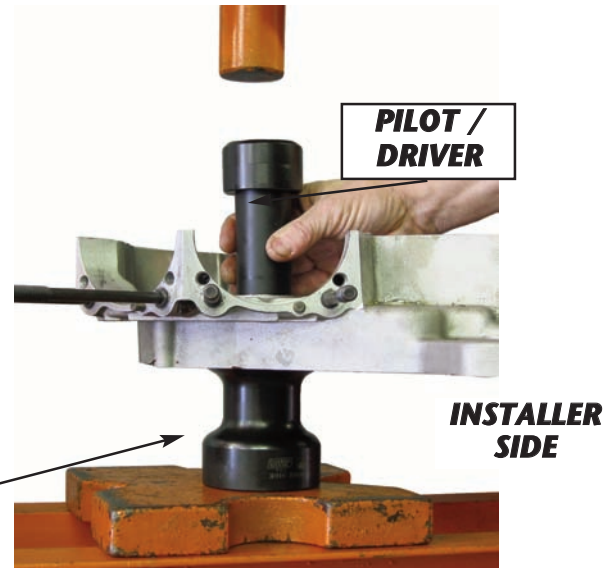


INSTRUCTION SHEET FOR TOOL NO. 1673

CRANKCASE BEARING REMOVER AND INSTALLER FIREBOLT/LIGHTNING 2003-PRESENT

Note: Please read all instructions completely and thoroughly before performing any work. Refer to your application specific service manual for technical specifications and information. Follow Buell® manual for Flywheel disassembly and assembly for your year and model. Follow Buell® manual for service wear limits.

FIG 1.**FIG 2.****Removal - Fig.1**

1. Remove left main oil seal retaining ring.
 2. Remove left main oil seal from crankcase. Discard oil seal.
 3. Remove outer thrust washer next to left main bearing.
 4. Remove left main bearing retaining ring from the inside of the left crankcase half.
 5. Place Support Tube No. 1275-1 on press table with removal side facing up. **Fig. 1**
 6. With the inboard side of the left crankcase facing downward position the bearing to be removed over the support tube No. 1275-1.
 7. Slide Pilot/Driver No. 1671 through bearing to be removed and into support tube.
 8. Center pilot/driver under ram of press. Apply slow, even pressure until bearing is free from case.
- Note:** There is a shoulder machined into the case half, which allows the bearing to be removed in one direction only.
9. Remove crankcase and driver/pilot from press. Discard old bearing.

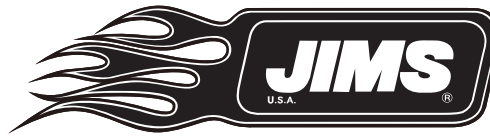
Installation - Fig.2

1. Start by turning Support tube No. 1275-1 over so installation side is facing up.
 2. With the inboard side of the left crankcase facing up, position the bearing bore in case over the support tube No. 1275-1 so the bearing bore lines up with the bore in the support tube.
 3. Coat O.D. of **NEW** roller bearing H-D No.24604-00C and I.D. of bearing bore with clean engine oil.
 4. Start **NEW** roller bearing in bearing bore letter side up.
 5. Insert Pilot/Driver No. 1671 through bearing and into support tube No. 1275-1.
- Note:** Pilot is a non-marring material and will not scratch bearings.
6. Center pilot/driver under ram of press. Apply slow even pressure until bearing is seated in case
- Note:** There is a shoulder machined into the case half, which the bearing must seat against.
7. Install **NEW** retaining rings H-D No. 35114-02, thrust washers, and oil seal per factory Buell Service Manual.

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

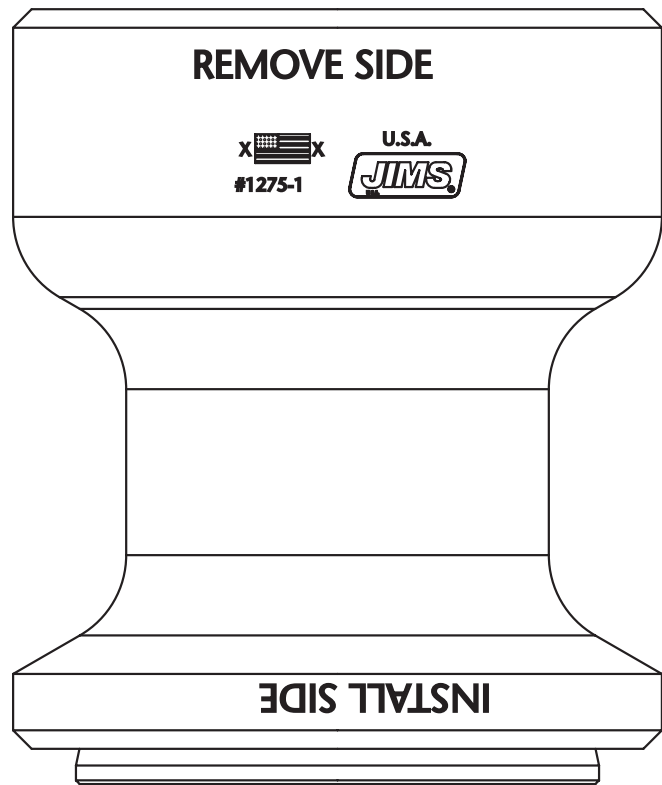
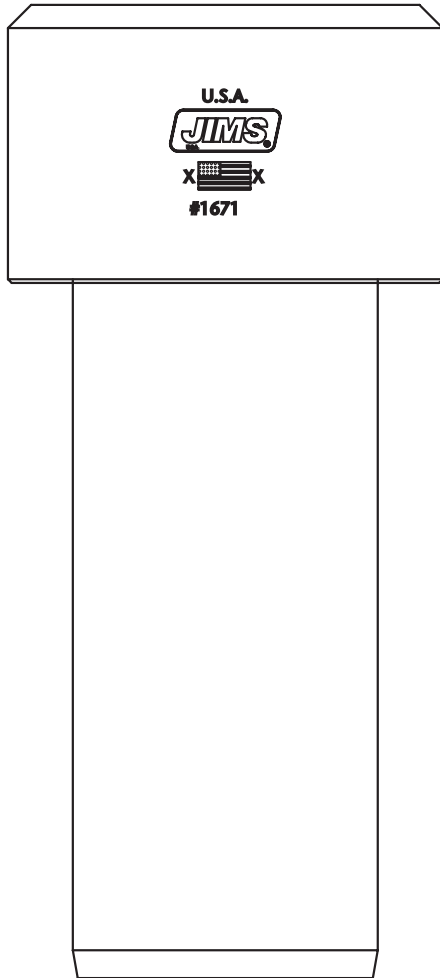
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