



A Division of Thiessen Products, Inc.

INSTRUCTION SHEET FOR #33443-84

MULTI-PURPOSE ALIGNMENT TOOL

TAPPET BLOCK ALIGNMENT

USE ON BIG TWIN, LATE 1976 TO PRESENT, SINGLE CAM ONLY

Refer to H-D® Service Manual for specifications.

1. When you are ready to install the tappet blocks, and both are in position for final assembly, apply a little lube to the alignment tool threads and taper of tool. **(See Fig.A)**
2. Install tool in front tappet block screw hole, the one nearest the oil feed hole, snug to 30 in-lbs. of torque.
3. Apply lube to the other three screws and torque to 30 in-lbs.
4. Remove alignment screw and install the last lubed screw, torque to 30 in-lbs.
5. Repeat the steps above for the rear block.
6. Finish torquing, to H-D® Service Manual specifications, in a criss cross pattern at 30 in-lb. increments.



Fig. A

ROCKER BOX ALIGNMENT

USE ON ALL EVO BIG TWIN & EVO XL MODELS

Use this tool to correctly align the lower valve cover to the cylinder head. Refer to H-D® service manual for proper valve cover installation.

1. To align the lower rocker box to the cylinder head, insert two alignment screws into the shallow mounting holes and finger tighten. **(See Fig.B)**
2. Install and torque the remaining O.E.M bolts per the H-D manual.
3. Replace the alignment screws with O.E.M hardware and torque to H-D® service manual specifications.

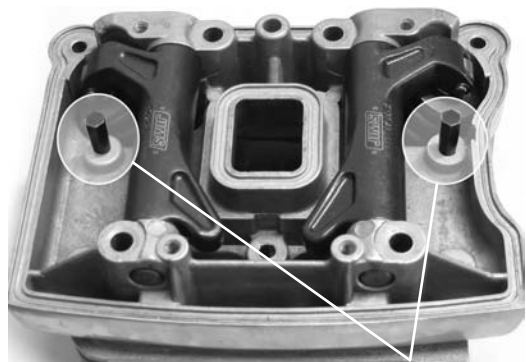


Fig. B

TWIN CAM OIL PUMP ALIGNMENT

USE ON TWIN CAM 1999 - PRESENT

Use this tool to correctly align the oil pump to the cam plate on Twin Cam models. Refer to H-D® service manual for proper oil pump installation.

1. When securing the oil pump to the cam support plate, install two alignment tools through the cam support plate and into the oil pump mounting holes. The self centering screws will align the remaining oil pump holes. **(See Fig. C)**
2. Secure two O.E.M. allen screws to the unoccupied oil pump mounting holes and torque to H-D® manual.
3. Replace the alignment tools with the remaining O.E.M. hardware and torque to H-D specifications.

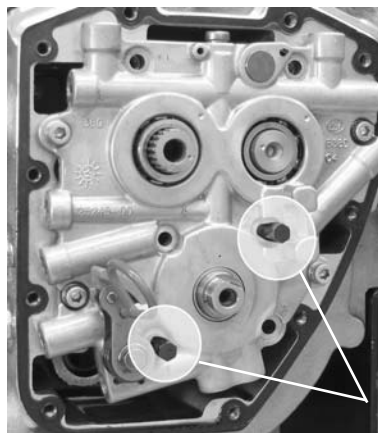


Fig. C

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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