

## JIMS TOP CENTER CASE BOLT AND SPOT FACER TOOL

Added insurance when building a big bore Twin Cam™ engine. Have you seen a center right case bolt thread that has become compromised from a larger cylinder spigot bore diameter? Now you can get back all the necessary case bolt retention by installing one of JIMS Through Bolt Kits No.1457. This tool is needed to spot face the right case so the bolt head will seat flat on the case surface. *For more details see No.1458-IS instructions.*

Use on All Twin Cam™ 1999 to present.

No.1458 - Case Bolt Spot Facer Tool.

No.1457 - Center Through Bolt Kit.



(1/4 - 20 x 4.75")



### 10mm COMPRESSION RELEASE VALVES

These release valves make starting your engine effortless by venting cylinder compression with just the push of a button. JIMS® has found these to be indispensable when used with JIMS® Stroker Kits. Simply drill and tap each cylinder head and thread in the self-sealing release valves. *For more details see No.727K-IS instructions.*

No.727K - Use on all Big Twin, Sportsters and Buells.

**NOTE:** Install JIMS® Compression Release Valves with JIMS® Installation Tool No.1169 for Twin Cam®, or use JIMS® Tapping Tool No.1169-1 for all other engines. See page 140.

## STROKER PISTON OILING JET KIT



JIMS® Twin Cam® piston oiling jets are designed with an additional .150" clearance compared to stock

OEM jets. For use on longer stroked engines, always check clearances during assembly. *For more details see No.1905-IS instructions.*

No.1905 - Use on all performance Twin Cam® engines H-D® and JIMS® 1999-present.



## TWIN CAM® TIMKEN® CASE BEARING CONVERSION TOOL

When increasing to a larger bore size and stroke, JIMS highly recommends for 2003 to present Twin Cam models you convert the left crankcase bearing to the more durable H-D® No. 9028 Timken® bearing, using JIMS Timken conversion tool No.959. *For more details see No.959-IS instructions.* See page 179.

No.959 - Use on Twin Cam® engines 2003-present. Order Timken® bearings separately. For replacement insert sleeves see No.956.



## CASE BORING TOOLS

The new JIMS® case boring tool takes all the guess work out of boring T/C motor cases, will accept JIMS® 4" bore cylinders, for the JIMS® 100" Big Bore kits, 113" and 116" F/W cylinder kits. This tool is designed to be used in a heavy duty 15" drill press. *For more details see No.1177-IS instructions.* See page 164.

No.1408 - Use on all Twin Cam® models, A or B, 1999-present.

No.1409 - Use on EVO, Big Twin 1984-99.