

BREATHER VALVE GEARS



BREATHER VALVE GEAR (STD SIZE)

Made from the finest aerospace quality steel and CNC machined to JIMS® highest standards, for precise control of exhausting crank case pressure. Designed to replace the stock plastic breather valve gear. Also available in $+.030''$ oversize, to correct a damaged breather valve hole.

No. **2338S** - Use on Big Twin 1948-Early 1977.

No. **2337S** - Use on Big Twin Late 1977-99 single cam only.



BREATHER VALVE GEAR $+.030''$

Made in the USA from aerospace grade steel, this is another quality JIMS® product. Oversize by $+.030''$, this breather is used to repair a damaged breather hole. Use JIMS® Breather Hole Reamer Tool. A damaged breather hole used to be a costly problem, now it is not. Disassembly of the engine, welding and machining are the usual procedure to repair. Use JIMS® No.1706 tool. No special tools required, just hand tools.

No. **2338** - Use on Big Twin 1948-Early 1977.

No. **2337** - Use on Big Twin Late 1977-1999 single cam only.



BREATHER VALVE GEAR WITH ELONGATED OIL HOLE

This breather gear has an elongated rear hole to aid in better crankcase flywheel cavity vacuum. Made from the finest aerospace quality steel and CNC machined to JIMS® highest standards. Designed to replace the stock plastic breather valve gear. Standard size only.

No. **2337ST** - Use on Late 1977-99 Big Twin single cam only.



STEEL BREATHER GEAR END-PLAY SHIMS

These shims are manufactured out of stress proof steel. Designed to fit steel breather gears only. These shims are available in 9 different sizes.

(Sold in packs of 5)

USE ON BIG TWIN LATE 1979-82, AND MOST ALL STEEL AFTERMARKET GEARS.

- No. **2505** - $.110''$ (No.25320-79) .
- No. **2510** - $.135''$ (No.25326-79) .
- No. **2506** - $.115''$ (No.25321-79) .
- No. **2511** - $.140''$ (No.25327-79) .
- No. **2507** - $.120''$ (No.25322-79) .
- No. **2512** - $.145''$ (No.25328-79) .
- No. **2508** - $.125''$ (No.25323-79) .
- No. **2513** - $.150''$ (No.25328-93) .
- No. **2509** - $.130''$ (No.25325-79) .



CAM GEAR ALIGNMENT TOOL

This tool is designed to index the cam gear's position while removing or installing the cam gear. This tool will allow you to accurately position and or reposition the cam gear from one camshaft to another, as well as allow you to retard or advance the gear's position by up to 10 degrees with the accuracy of a 1/4 degree. *For more details see No.1290-IS instructions.*

No.1290 - Use on all Single Cam 1970-1999. Use No. 1390 to remove cam gear.

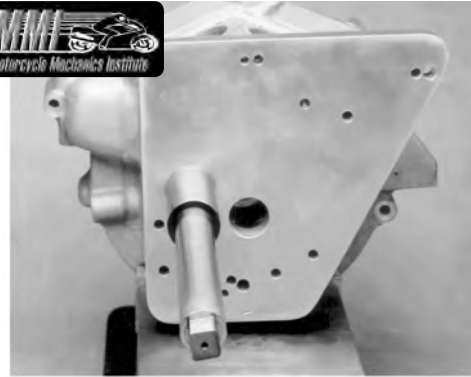


CAM GEAR REMOVER TOOL

Use to safely remove the cam gear from the camshaft on Big Twins. This precision tool acts as a stable base to keep the camshaft perfectly perpendicular to the press. A 3/8" ball bearing is included to protect the camshaft's end while pressing off the gear. To accurately install the cam gear use JIMS® No.1290 Cam Gear Alignment Tool (above). *For more details see No.1390-IS instructions.*

No.1390 - Use on all 1939-1999 Big Twin camshafts with pressed-on camshaft gears, including aftermarket cams.

Endorsed By



BREATHER REAMER TOOL

Repair a damaged breather hole with JIMS® Breather Reamer Tool. No need to disassemble the cases. Using JIMS® Reamer Tool will repair a damaged breather hole, to use a .030" oversize breather gear, (see breather gear section in this catalog), in less than an hours time (**NOTE:** all holes in breather bore will need to be cleared of all chips). *For more details see No.1706-IS instructions.*
No.1706 - Use on all Big Twin Single Cam 1936-1999.

PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	BREATHER REAMER	1706-3
2	1	PLATE ASSEMBLY	1706M
4	4	1/4"-20 SCREWS	2135
5	1	INSTRUCTION SHEET	1706-IS
6	4	1/4-24 SCREWS	2408

IMPORTANT NOTE: Some early crankcases 1936-69, have very little material between the breather hole and the air/oil separator cavity below it. Before using the No.1706, measure the wall thickness to verify that the reamer will not break through.

SEE JIMSUSA.COM FOR DETAILED INSTRUCTIONS