

EVOLUTION® PISTONS



JIMS® forged 2618 aluminum pistons add unquestioned reliability to stock and performance Evolution® engines. Each set includes pistons, rings, wrist pins, and wrist pin clips. The 106" kit is listed as *While Supplies Last*, please call in for special reduced pricing. For more details see No.1530-IS instructions.

Recommended JIMS® Tools for Piston, Rings and Wrist Pins, Wrist Pin Clips, and Wrist Pin Bushings:

Twin Cam®

- No.951 - Torque Plates
- No.1051 - Connecting Rod Bushing Tool
- No.1726-3 - Wrist Pin Bushing Reamer Tool
- No.1276 - Wrist Pin Remover & Installer Tool
- No.1235 - Piston Ring Expander Tool
- No.1236 - Piston Ring Compressor Tool
- No.1765 - Piston Ring Groove Cleaner Tool
- No.1284 - Rod Holder Tool
- No.1164 - Piston Support Plate Tool
- No.1148 - Rod Alignment Tool

EVO 80" DOMED PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1555	3.5" STD.	4.25"	.792"	No.1461	10:1	1.375"	924g
No.1555A	3.5"+.005	4.25"	.792"	No.1462	10:1	1.375"	928g
No.1555B	3.5"+.010	4.25"	.792"	No.1463	10:1	1.375"	931g

EVO 87" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1558	3.5" STD.	4.50"	.792"	No.1461	10:1	1.250"	898g
No.1558A	3.5"+.005	4.50"	.792"	No.1462	10:1	1.250"	902g
No.1558B	3.5"+.010	4.50"	.792"	No.1463	10:1	1.250"	908g

EVO 89" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1561	3.5" STD	4.625"	.792"	No.1461	9.25:1	1.188"	882g
No.1561B	3.5"+.010	4.625"	.792"	No.1463	9.25:1	1.188"	906g

EVO 96" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1576	3.625" STD	4.625"	.792"	No.1467	9.75:1	1.200"	898g
No.1576A	3.625"+.005	4.625"	.792"	No.1468	9.75:1	1.200"	942g
No.1576B	3.625"+.010	4.625"	.792"	No.1469	9.75:1	1.200"	947g

**WHILE
SUPPLIES
LAST**

EVO 106" FLAT TOP PISTONS

PART NO.	BORE	STROKE	PIN O.D.	RINGS	C/R	COMP. HEIGHT	TOTAL PISTON SET WEIGHT
No.1584B	3.812"+.010	1.625"	.792"	No.1477	10:1	1.200"	1033g

EVOLUTION

- No.1073 - Torque Plates
- No.1726-1 - Wrist Pin Bushing Reamer Tool
- No.1235 - Piston Ring Expander Tool
- No.1236 - Piston Ring Compressor Tool
- No.34623-83 - Piston Pin Keeper Tool
- No.1172 - Wrist Pin Clip Remover & Installer Tool
- No.1765 - Piston Ring Groove Cleaner Tool
- No.1284 - Rod Holder Tool
- No.1164 - Piston Support Plate Tool
- No.1010 - Rod Alignment Tool

Refer to the "Tool Section" of catalog for more details.

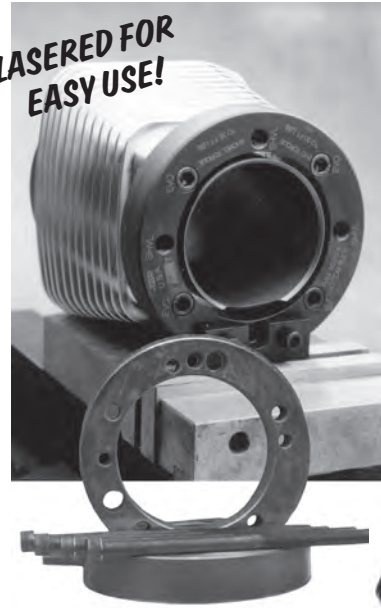
EVO WRIST PIN CLIP SETS

- No.1599K - Replacement wrist pin clips, 4-pack for all piston sets below.

CYLINDER TORQUE PLATE KITS

Late model aluminum cylinders cannot be accurately honed without using torque plates. These plates simulate operating stress conditions when boring or honing aluminum cylinders. These plates easily adapt to conventional boring bars or a Sunnen type honing machine. The JIMS® torque plates are drilled precisely for multiple applications use, and can accommodate various bore sizes, with stock or oversize big bores. These kits are lasered lettered for ease of use with torquing sequence and most sets don't require removal of ring dowels. Refer to chart for sizes and applications available. *For more details see parts list for instructions sheet part number.*

**LASERED FOR
EASY USE!**



**KIT No. 1073
SHOWN**



PART NO.

APPLICATION

BORE SIZE

No.1073

Use on Shovel and Evo, 1966 to present Big Twin, Single cam only.
Includes aftermarket and S&S® motors.
Use on Sportster® 1986-present, Buell® 1987 to present, except 1125R.
NOTE: On Sportster® or Buell® you must order torque plate bolts separately No.2144.

3.4375" - 4"

No.2144

Torque Plate bolt kit for Sportster® and Buell®. (For use with No.1073)

No.930

JIMS® T/C Big Bore Cyl's, H-D®, Bigger Bore Cyl's with O.E.M. bolt pattern 99 to present

4" - 4.060"

No.951

H-D® Twin Cam® 88, 96, 103" with O.E.M. bolt pattern. 1999 to present.

3.75" - 3.875"

No.1208-1316

120" JIMS® Twin Cam® Engines 1999 to present.

4.125"

No.1308-1316

131" or 135" JIMS® Twin Cam® Engines 1999 to present.

4.3125"

No.931

Custom Chrome 100

3.8125"

No.932

Custom Chrome 100 / 110

4"



No.5829

Milwaukee-Eight Torque Plate Kit



No.5829



SEE JIMSUSA.COM FOR DETAILED INSTRUCTIONS

CYLINDER TOOLS



NOTE: See part list charts on previous page and below.

No.1073 PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	BOTTOM TORQUE PLATE	1073-1
2	1	TOP TORQUE PLATE	1073-4
3	4	ALLEN BOLTS	1208
4	1	TORQUE PLATES, TAB	1073-2
5	2	SOCKET HEAD SCREW	2405
6	4	3/8" WASHER	1265
8	4	SET SCREW SHOVEL	1209
7	1	INSTRUCTION SHEET	1073-IS

No.951 PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	BOTTOM TORQUE PLATE	1287-1
2	1	TOP TORQUE PLATE	951-2
3	4	ALLEN BOLTS	1208
4	1	TORQUE PLATES, TAB	1073-2
5	2	SOCKET HEAD SCREW	2405
6	4	3/8" WASHER	1265
7	1	INSTRUCTION SHEET	930-IS

No.1208-1316 PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	BOTTOM TORQUE PLATE	1208-1602
2	1	TOP TORQUE PLATE	1208-1601
3	4	ALLEN BOLTS	1208
4	1	TORQUE PLATES, TAB	1073-2
5	2	SOCKET HEAD SCREW	2405
6	4	3/8" WASHER	1265
7	1	INSTRUCTION SHEET	1208-1350

No.1308-1316 PARTS AVAILABLE SEPARATELY

NO.	QTY.	DESCRIPTION	PART NO.
1	1	BOTTOM TORQUE PLATE	1308-1602
2	1	TOP TORQUE PLATE	1308-1601
3	4	ALLEN BOLTS	1208
4	1	TORQUE PLATES, TAB	1073-2
5	2	SOCKET HEAD SCREW	2405
6	4	3/8" WASHER	1265
7	1	INSTRUCTION SHEET	1208-1350

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CYLINDER HOLD DOWN NUTS

Cylinder hold down nuts are an effective way to keep the cylinders in place when the heads are removed from the engine. This is particularly useful when installing the second

cylinder over the piston and rings after the first cylinder has been installed. It is also advantageous to have the cylinders secured when rotating the crankshaft for other work. In any case, even a slight rocking of the cylinder can damage the base gasket or cause a cylinder to lift entirely off the cases. These new JIMS Hold Down Nuts have different threads at each end. One end fits Twin Cam models, while the other end works with Milwaukee Eight® engines.

No. 5809 - Use on the new Milwaukee Eight® engine and Twin Cam, sold 2 per kit.

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Endorsed By



EVO CYLINDER STUD JIG ASSEMBLY

Use to repair stripped or damaged cylinder stud case threads up to a 4" bore. This tool will hold centerline and squareness to where the factory intended them to be. All this with the engine still in the frame using an angle head drill (drill not included). For more details see No.1000-IS instructions.

No.1000A - Use on Big Twin 1984-1999 single cam only. (**NOTE:** Includes aftermarket motors.) Use on Sportster 1986-1999, & Buell® 1987-present, except 1125R.

***NOTE:** See Instruction Sheet for parts available separately.

***NOTE:** Sportster® & Buell® will need shorter stud spacers. Order separately to modify.

SEE JIMSUSA.COM FOR DETAILED INSTRUCTIONS