



Cylinder



Jims Twin Cam Case Boring Jig used for boring out Twin Cam Case sets to accept 4" Bore Cylinders. This tool is designed to be used in a heavy duty 15" drill press. Works on TC-88 A&B Crank Cases. **VT No. 16-1177**



Cylinder Head and Crankcase Boring Fixture designed to simplify and reduce the time required to prepare the crankcase and cylinder heads for big bore kit installations. The boring plate is made of cast iron and is precision ground and machined with Panhead and Shovelhead head bolt patterns in one end. The other end has been finished with the cylinder base patterns of Knuckleheads, Panheads, Shovelheads and V2 Sportsters and Big Twins. When adapted to boring bar it is possible to bolt the crankcases or heads to the plate and perform the boring modifications necessary for 3 5/8" bore cylinders. V2s require use of spacers because of the extreme length of the cylinder and head spacer, part VT No. 16-1868. Big Twin V2's with male style studs require on spacer VT No. 16-1868 and one spacer VT No. 16-1869. Note: Big Twins V2's with female type studs must be changed to the male type of studs, when installing a sidewinder.

VT No.	Item
16-1867	Boring Plate with screws
16-1868	3 1/16" Spacer
16-1869	7/8" Spacer

Figure 1: Identifying the correct oil passages

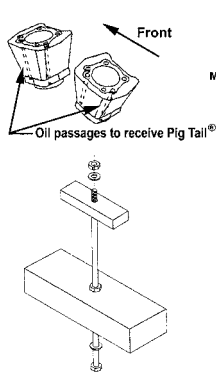
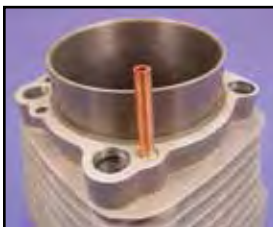
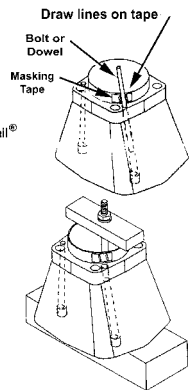


Figure 2: Marking oil passage angle



VT No. 16-0911 Tube Installed



Evolution Cylinder Oil Passage Drain Tubes for stock bore size cylinders only. Each kit is supplied with tap, hex wrench two drain tubes and instructions.

VT No.	Item	VT No.
16-0911	Kit	16-0912
16-0912	Pair Replacement Tubes only	



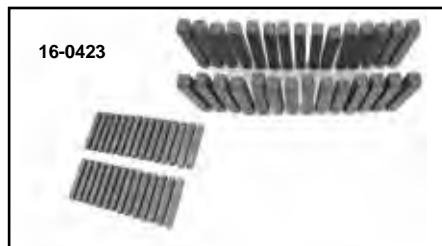
Jims TC-88 Cylinder Torque Plates lasered with correct torquing sequence for TC-88 and TC-96 OEM cylinders. **VT No. 16-1287**



Jims Evolution Case Cylinder Spigot Bore Tool allows boring of cylinder spigot hole, up to 3.8125" by utilizing the stock cylinder stud holes. Use on all 1984-99 style Evolution crankcases. **VT No. 16-1409**

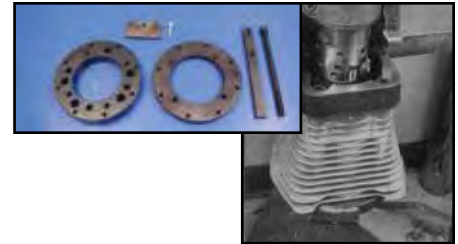


Ring Groove Cleaner.
VT No. 16-0619



Motor Number Stamp Set for FL models.

VT No.	Year
16-1039	1936-47
16-1264	1950-69
16-0423	1970-99



S&S Evolution Cylinder Torque Plate Kit simulates stress conditions when boring and honing Evolution Cylinders. Machined from chrome moly steel, fits all Big Twin 1340 and Sportster 883-1100-1200 cylinder, and 3 5/8" S&S cylinder. **VT No. 16-0928**



Cylinder Hold Down Nuts are used to hold down cylinders during service. Allows motor to be turned over with heads off. Use on all Twin Cam and Evolution Twins. Set of 4. **VT No. 16-0446**



Cylinder Wall Flex Hone features silicone carbide globules which allow the deglazing of cylinders 3" to 4 1/4" when powered by a 3/8" or larger drill, 180 Grit.

VT No.	Bore
16-0574	4 1/4"
16-0576	4"
16-0575	3 5/8" - 3 3/4"
16-0616	3 7/16" - 3 1/2"
16-0618	3" - 3 1/16"



Piston Ring Installer Tool.
VT No. 16-0628



Ring Compressor Kit.
VT No. 16-0622



Jims Piston Support Plate provides a non-marring flat support to push the bottom of the piston as rings and cylinder are installed over piston. **VT No. 16-1164**



Piston Ring Grinder Tool.
VT No. 16-0976



16-1264