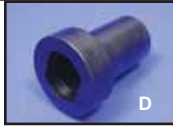
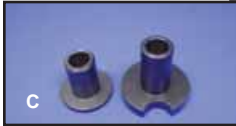
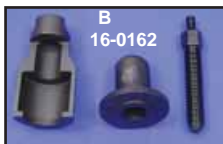




**Big Twin Pinion Bearing Race Removal and Installation Tool** is used to remove and install the outer race on 1958 and later models replaces 39958.  
**VT No. 16-0648**



**Pinion Gear Puller** with collars, used to remove and install pinion gear on all Big Twins, and 1976 and earlier XL. Order nut wrench separately.

VT No.	OEM	#	Item
16-0129	96830-51	A	Puller Set
16-0162	96830-51	B	Jims
16-0406	—	C	Collar Set
16-0141	94555-55A	D	Nut Wrench
16-0168	As Above	D	Jims



**Rod Lapping Tool** includes arbor assembly 1.500 lap for 45", Indian, & some case races, 1.625 lap for Big Twin, Sportster & K Model rods.

VT No.	Item
16-0027	Rod Tool
16-0012	Spanner Wrench



**1958-up Big Twin Case Lap Tool** features a lap which is supported on both sides by a pilot on the bushing side & plate which locates on the case pins of the cam cover, by Jims. Order lap & pilot VT No. 16-0881 for 1937-E77 4-spd main race separately.

VT No.	Item
16-1835	BT Case Lap Tool
16-0893	Case Lap Head only
16-0881	4-Speed Trans. Lap & Pilot
16-0892	4-Speed Lap Head only



**Replacement Lapheads** are sold each. For Eastern tool only.

Laphead	Pilot#	Type	Fits
16-0032	1 3/4"	Motor	1958-up Big Twin
16-0026	1 1/2"	Motor	40-54 Big Twin
16-0025	1 3/8"	Motor	54-76 Sportster 55-57 Big Twin 29-73 45"
16-0018	1.562"	Motor	87-up Sportster
16-0034	1.870"	Trans.	36-77 Big Twin
16-0024	1.300"	Trans.	Sportster
16-0022	1 5/8"	Rod	Big Twin XL
16-0021	1 1/2"	Rod	45"



**Crankshaft Locking Tool** locks all Big Twin crankshafts by engaging the pinion shaft splines. This allows removal and torquing of the pinion nut during installation. Replaces 41492-A.

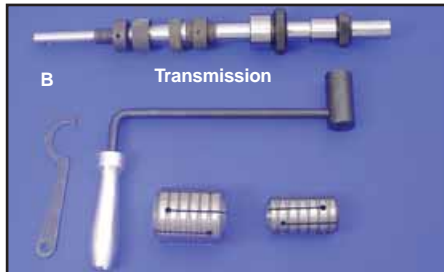
VT No.	Year
16-1053	1991-2002
16-1672	2003-up



**1991-99 Crankshaft Locking Tool** fits XL models by engaging the pinion shaft splines. This allows removal and torquing of the pinion nut during installation. Replaces 41506.  
**VT No. 16-1055**



**Pinion Gear Lock Tool** fits 1954-up Big Twin, when applying torque to pinion nut. By Jims.  
**VT No. 16-0659**



**Lap Head Pilots**, sold each. For Eastern tool only.

VT No.	OEM	Type	Years
16-1724	96727-56	Motor	55-up BT
16-1725	96728-56	Motor	54-76 XL
16-1726	96715-40	1 1/2" Motor	30-54 BT
16-1727	96716-40	Motor	55-57 45", BT
16-1832		Motor	87-up XL



**Trans. Lap Head** includes pilot. For Eastern tool only.

VT No.	Size	Model
16-0020	1.870	BT 74 & 80
16-0019	1.300	1957-85 Sportster

# Pinion Tool



**Jims Sportster Crankshaft Locking Tool.** Use on Pinion side of all 1991-up XL to keep crankshaft assembly from rotating during assembly on valve train repair.

VT No.	Fits
16-1666	1991-2002
16-1665	2003-up

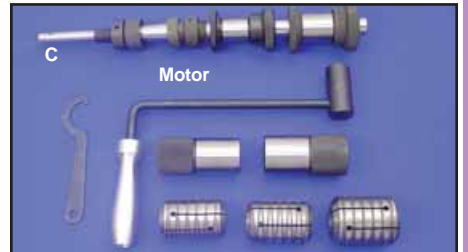


**Pinion Shaft Race Installer** fits 1977-E81 Sportster models. Replaces 97080-77A  
**VT No. 16-0965**



**Jims TC-88 Crankshaft Guide** use to spread pinion bearing rollers while reassembling right side engine case on to flywheel assembly.  
**VT No. 16-1281**

# Lapping Tool



**Lapping Tools** used for precision alignment of engine and transmission shafts. Engine unit replaces 96710-40 to lap right and left crankcase races for oversized bearings. Transmission tool insures proper fitting of oversized rollers with mainshaft races on BT and Sportsters. The dual-purpose "Combo Lap" for both engine and transmission is also available. Rod laps not included.

VT No.	#	Use	Model	Years
16-0135	C	Motor	Big Twin	1936-up
16-0119	B	Trans.	Big Twin XL	1936-77 1952-83
16-0039	A	Combo	C & B	As Above
16-0012	All		Spanner Wrench	