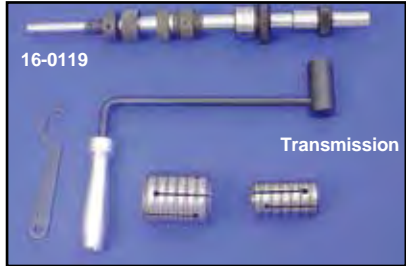
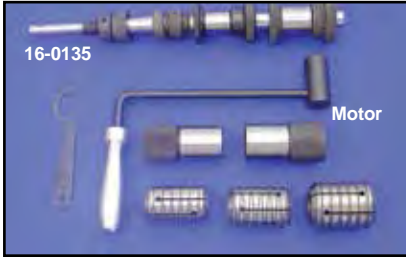
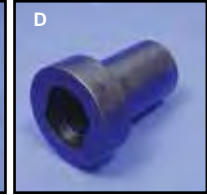
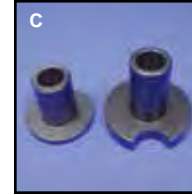




Lapping Tool



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 Big Twin and Sportsters. The dual-purpose "Combo Lap" for both engine and transmission is also available. Rod laps not included.



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.	Brand	#	Item
16-0129	VT	A	Puller Kit
16-0162	Jims	B	Puller Kit
16-1060	Sifton	B	Puller Kit
16-0406	VT	C	Collar Set
16-0141	VT	D	Nut Wrench
16-0168	Jims	D	Nut Wrench
16-0747	Motorshop		Puller Wrench Set

VT No.	#	Use	Model	Years
16-0135	C	Engine	Big Twin	1936-up
16-0119	B	Trans.	Big Twin	1936-77
			XL	1952-83
16-0039	A	Combo	C and B	As Above
16-0012		All	Spanner Wrench	
16-0204			Pilot Set	



1958-up Big Twin Case Lap Tool features a lap which is supported on both sides by a pilot on the bushing side and plate which locates on the case pins of the cam cover, by Jims. Order lap and pilot VT No. 16-0881 for 1937-early 77 4-speed main race separately.

VT No.	Item
16-1835	Big Twin Case Lap Tool
16-0893	Case Lap Head only
16-0892	4-Speed Lap Head only

Pinion Tool



Crankshaft Locking Tool locks all crankshafts by engaging the pinion shaft splines. This allows removal and torquing of the pinion nut during installation. Fits 1999-up. VT No. 16-1672



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



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



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



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. 16-1666 1991-2002 16-1665 2003-up



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



Replacement Lapheads are sold each. For Eastern tool only.

Laphead	Pilot#	Type	Fits
16-0032	1.750"	Engine	1958-up Big Twin
16-0026	1.50"	Engine	1940-54 Big Twin
16-0025	1.375"	Engine	1954-76 Sportster 1955-57 Big Twin 1929-73 45"
16-0018	1.562"	Engine	1987-up Sportster
16-0034	1.870"	Transmission	1936-77 Big Twin
16-0024	1.300"	Transmission	Sportster
16-0022	1.6250"	Rod	Big Twin XL
16-0021	1.50"	Rod	45"

Transmission Lap Head includes pilot. For Eastern tool only.

VT No.	Size	Model
16-0020	1.870	Big Twin 74 and 80
16-0019	1.300	1957-85 Sportster

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

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

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

VT No.	OEM	Type	Years
16-1724	96727-56	Motor	1955-up Big Twin
16-1725	96728-56	Motor	1954-76 XL
16-1726	96715-40	1 1/2 Motor	1930-54 Big Twin
16-1727	96716-40	Motor	1955-57 45", Big Twin
16-1832		Motor	1987-up XL
16-0216		Pilot Shaft Only	
16-0219		Sunnen Portable Head Hone	