



Valve Spring Kits include all springs, collars and keepers necessary for each application.

VT No.	Year	Model
13-9193	1948-79	Pan-Shovelhead
13-9194	1980-81	Shovelhead
13-9195	1981-84	Shovelhead Big Twin



1948-84 Pan-Shovelhead Valve Spring Sets include inner and outer.

VT No.	Fits	Replaces
13-0169	1948-84	18201-57B/18204-36A
13-0179	1966-84	18201-82/18202-82



Andrews Valve Gear for 1966-84 Shovelhead 74 and 80.

VT No.	Fits
11-9877	Upper Collar, T-6 Aluminum for .600 lift, 4 piece set
11-9878	Upper Collar, T-6 Aluminum, adds .060" spring travel and is for medium lift
11-9879	Low profile, lower spring collars, accept 1980-up guides + K Line seals. Also provides easier installation of high lift cams
13-9250	Hi-Lift Spring Set

Valve Spring Kit



Valve Keeper Keys are packaged and sold in four pairs per package enough for one engine. Fits 1936-85 Big Twin. Keys are split type.

VT No.	OEM	Brand
11-0513	18228-36	V-Twin
11-9616	18228-36	Manley
11-9623	18228-36	Sifton



Steel Valve Collars 61, 74 and 80 Big Twin.

VT No.	OEM	Use	Year
11-0515	18222-48	Lower	1948-79
11-0644	18221-36	Upper	1936-80
11-0516	18222-79	Lower	1980-Early 81
11-0666	18222-81	Lower	1981-84
11-0648	18219-81	Upper	1981-84
11-0712	18219-81	Upper	1981-84



1948-79 Lower Collar Seal Set includes four seals (VT No. 14-0145) to use with stock style guides.

VT No. 11-0874



Crane Valve Springs and Retainers for 1948-84 models. Thermo-cool coated springs reduces friction and disperses heat quicker than a stock spring. Order set of four upper retainers separately

VT No.	Item	Type
13-9172	Valve Spring Set	Performance
11-7750	Upper Retainer Set	Chromoly

1 cubic inch = 16.38 cc

1 cubic inch = .0163871 liter

Cubic Inch = $\pi r^2 \times \text{Stroke}$

$r = 1/2$ of Bore

		CUBIC INCH CHART								
		Stock 74				Stock 80				
B O R E	STROKE	3 1/2"	3 13/16"	3.968"	4 1/4"	4 1/2"	4 5/8"	4 3/4"	5.00"	
				74"	80"					
		2 3/4"		45"						
		3 5/16"	61"							
		3 7/16"	64.8"	73.7"	78.7"	83.4"	85.7"	88.0"	92.8"	
		3 1/2"	67.2"	76.3"	81.6"	86.6"	89.0"	91.4"	96.1"	
		3 5/8"	72.1"	81.7"	87.4"	92.9"	95.5"	99.0"	103.2"	
		3 11/16"	74.6"	84.7"	90.7"	96.1"	98.8"	101.5"	106.8"	
		3 13/16"	79.9"	90.6"	97.0"	102.8"	103.7"	108.9"	114.2"	
		3 7/8"	82.3"	93.4"	100.1"	100"	108.9"	111.9"	117.8"	
		4.00"	87.9"	99.7"	106.8"	113.0"	116.1"	119.3"	125.6"	
	4 1/8"	93.4"	106.0"	113.5"	120.2"	123.5"	126.9"	133.6"		
	4 1/4"	99.2"	112.6"	120.5"	127.6"	131.1"	134.7"	141.8"		