



NEW PRODUCT

Nov. 3, 2025



Manufacturing Valvetrain For 85-Years & 2-Generations

Applications	Yamaha®	Yamaha®	Yamaha®	Yamaha®	Yamaha®	Yamaha®
Years	2007-2015	2019-2025	2006-2025	2008-2013	2014-2025	2019-2025
Models	Grizzly™ 700	Grizzly™ 700	Raptor™ 700	Rhino™ 700	Viking™ 700	Kodiak™

Valve Spring Kit • Lightweight Racing

	KPMI P/N	Type	Max Valve Lift		Installed Height		Seat Pressure		Open Pressure		@ Lift
	80-80410	Intake	.480"		1.420"		54#		195#		.480"
		Exhaust									
	Kit Includes			4	Titanium Retainers		4	CrSi Valve Springs		4	H. T. Steel Basewashers

Cylinder Head Service Kit **NEW PRODUCTS**

	KPMI P/N	Type	Max Valve Lift		Installed Height		Seat Pressure		Open Pressure		@ Lift	
	80-82080	Intake	.480"		1.420"		54#		195#		.480"	
		Exhaust										
	Kit Includes			4	In / Ex Titanium Retainers		4	In / Ex CrSi Valve Springs		4	In / Ex H. T. Steel Basewashers	
				2	In Std. Black Diamond™ Valves				2	Ex Std. Black Diamond™ Valves		
4				In / Ex Std. C630 Valves Guides				1	Top End Gasket Kit			

Components • Replacement • Cylinder Head Service Kit **NEW PRODUCTS**

KPMI P/N	Description	Specification
80-80410	Spring Kit	Includes: Ti Retainers, CrSi Valve Springs, H.T. Steel Basewashers
80-80430	Intake, Standard Valve	Valve • Black Diamond™ • Black Nitronex Stems
80-80433	Exhaust, Standard Valve	Valve • Black Diamond™ • Black Nitronex Stems
80-80420	Intake / Exhaust, Standard Valve Guide	Valve Guide • C630 Bronze
80-82081	Gasket Kit	Includes: Head Gasket 103mm Bore (1), Base Gasket, Exhaust Gasket (2), Throttle Body O-ring (1), Water Pump O-ring (1), Thermostat O-ring (1), Cam Cover O-ring (1), Valve Cover O-rings (2), Valve Seal (4), Cam Chain Tensioner Gasket (1)

Valves • Black Diamond™ • Black Nitronex Stems

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Remarks
	80-80430	Intake	38.00mm	1.496"	0.2355"	11°	4.025"	Standard
	80-80431	Intake	39.00mm	1.535"	0.2355"	11°	4.010"	Oversize
	80-80432	Intake	40.00mm	1.575"	0.2355"	11°	4.010"	Oversize (+2mm)
	80-80433	Exhaust	32.00mm	1.260"	0.2350"	25°	3.785"	Standard
	80-80434	Exhaust	33.00mm	1.299"	0.2350"	25°	3.770"	Oversize
	80-80435	Exhaust	34.00mm	1.339"	0.2350"	25°	3.770"	Oversize (+2mm)

Valve Guides • C630 Bronze

	A	B	C	D	E	F	G	Intake	Exhaust
	0.485"	0.525"	0.790"	1.110"	0.495"	0.2350"	0.4550" / Std.	80-80420	
							+0.001"	80-80421	
							+0.002"	80-80422	
							+0.010"	80-80429	

Keeper Set • O.E.M. Replacement **NEW PRODUCTS**

	KPMI P/N	Style	Type	A	B	C	D	E	Quantity	Rep. OEM P/N
	51028-4	Single Radius Bead	Intake Exhaust	0.235"	7.0°	0.075"	0.238"	0.295"	4 Pr.	4G0-12118-00-00

Note : The bead height is referenced from the minor diameter of the keeper to the center of the bead.

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NEW PRODUCT

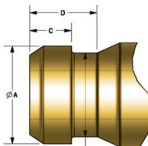
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Valve Guide Seals • Viton®

Stem Diameter	O.L	Seal O.D.	Seal Style	Designed for these guide specs				Type
6.0mm	0.371"	0.480"	5	A	B	C	D	Intake
				0.385"±0.002"	0.341"	0.120"	0.255"	Exhaust
			Part Number			Quantity		Quantity Discount
			71017-4			Pkg. of 4		0%
			71017-8			Pkg. of 8		0%
			71017-16			Pkg. of 16		Less- 10%
			71017-50			Pkg. of 50		Less- 15%
			71017-100			Pkg. of 100		Less- 20%

Cylinder Stud Kit • H.T. Steel

NEW PRODUCTS

 M9 x 1.25 (Typical) Body Diameter	KPMI P/N	Quantity	Body Dia.	"C"	"A"	"B"	
	80-82450	2	0.319"	6.2"	1.95"	.95"	
		Quantity	Body Dia.	"D"	"F"	"G"	
		2	0.319"	6.7"	1.45"	.95"	
		Quantity	Body Dia.	"E"	"H"	"I"	
		2	0.319"	2.2"	.70"	.70"	
Kit Includes		6	H. T. Steel Studs	6	H. T. Steel Nuts	6	H. T. Steel Washers

Cylinder Head Nuts • H.T. Steel

NEW PRODUCTS

	KPMI P/N	Hex Pattern	Material	O. L.	F. D.	Thread	Quantity
	41008-4	11mm	Material	0.315"	0.615"	M9 x 1.25	Pkg. of 4

Replacement nuts for Stud Kit, #80-82450, but can be used for general purpose (see diagram for detail)

KPMI® nuts are single point machined from high tensile strength Aircraft Alloy Steel. During the machining process close tolerances and smooth surface finishes are maintained. Two critical factors for achieving correct fit and torque. After machining, the nuts are heat treated to a specific depth. This creates hard, wear resistant working surfaces, while retaining a ductile core to prevent cracking under load. The premium black oxide treatment provides excellent corrosion resistance and appearance.

Retail Price List

KPMI P/N	Description	Retail
80-80410	Spring Kit, Lightweight Racing, 0.480" Lift	\$166.54
80-82080	Cylinder Head Service Kit, 0.480" Lift	\$430.91
80-82081	Top End Gasket Kit	\$109.39
80-80430	Valve, Black Diamond™, IN STD.	\$37.55
80-80431	Valve, Black Diamond™, IN +1mm	\$37.55
80-80432	Valve, Black Diamond™, IN +2mm	\$37.55
80-80433	Valve, Black Diamond™, EX STD.	\$37.55
80-80434	Valve, Black Diamond™, EX +1mm	\$37.55
80-80435	Valve, Black Diamond™, EX +2mm	\$37.55
80-80420	Guide, C630, IN/EX STD	\$19.83
80-80421	Guide, C630, IN/EX +0.001	\$19.83
80-80422	Guide, C630, IN/EX +0.002	\$19.83
80-80429	Guide, C630, IN/EX +0.010	\$19.83
51028-4	Keeper, HT Steel, 6.0mm Stem x 7" (Pkg. of 4)	\$12.62
71017-4	Seal, Red Viton, 6mm Stem X 0.385" Guide (Pkg. of 4)	\$13.96
71017-8	Seal, Red Viton, 6mm Stem X 0.385" Guide (Pkg. of 8)	\$27.92
71017-16	Seal, Red Viton, 6mm Stem X 0.385" Guide (Pkg. of 16)	\$50.25
71017-50	Seal, Red Viton, 6mm Stem X 0.385" Guide (Pkg. of 50)	\$148.33
71017-100	Seal, Red Viton, 6mm Stem X 0.385" Guide (Pkg. of 100)	\$279.21
80-82450	Cylinder Stud Kit, H.T. Steel	\$161.64
41008-4	Cylinder Head Nuts, H.T. Steel (Pkg. of 4)	\$24.05

ORDER 650-557-2046