

YAMAHA® VARIOUS YZ™ / WR™ 450's 2014-'21

October 27, 2025



• YZ™ 450 2014-'19

• YZ™ 450FX 2016-'20

• WR™ 450F 2016-'21

Valve Spring Kit • Lightweight Racing

	KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	
	80-80750	Intake	.450"	1.185"	46#	155#	.450"	
		Exhaust	.450"	1.185"	46#	155#	.450"	
	Kit Includes		2	In Titanium Retainers	2	In CrSi Valve Springs	2	In H. T. Steel Basewashers
			2	Ex Titanium Retainers	2	Ex CrSi Valve Springs	2	Ex H. T. Steel Basewashers
The use of KPMI® guides(#80-8077X and #80-8078X) may be necessary when using higher than stock lift cams.								

Cylinder Head Service Kit

NEW PRODUCTS

KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	
80-82070	Intake	.450"	1.185"	46#	155#	.450"	
	Exhaust	.450"	1.185"	46#	155#	.450"	
Kit Includes		2	In Titanium Retainers	2	In CrSi Valve Springs	2	In H. T. Steel Basewashers
		2	Ex Titanium Retainers	2	Ex CrSi Valve Springs	2	Ex H. T. Steel Basewashers
		2	In Std. Black Diamond™ Valves		2	Ex Std. Black Diamond™ Valves	
		2	In Std. C630 Valves Guides		2	Ex Std. C630 Valves Guides	
		1	Top End Gasket Kit				

Components • Replacement • Cylinder Head Service Kit

NEW PRODUCTS

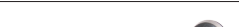
KPMI P/N	Description	Specification
80-80750	Spring Kit	Includes: Ti Retainers, CrSi Valve Springs, H.T. Steel Basewashers
80-80872	Intake, Standard Valve	Valve • Black Diamond™ • Black Nitroreng Stems
80-80876	Exhaust, Standard Valve	Valve • Black Diamond™ • Black Nitroreng Stems
80-80770	Intake, Standard Valve Guide	Valve Guide • C630 Bronze
80-80780	Exhaust, Standard Valve Guide	Valve Guide • C630 Bronze
80-82071	Gasket Kit	Includes: Head Gasket 97mm (1), Valve Stem Seals (4), Base Gasket (1), Cam Chain Tensioner Gasket (1), Exhaust Gasket (1)

Intake Only • Steel Valve Conversion Kit

	KPMI P/N	Type	*Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift
	80-81100	Intake	.450"	1.185"	46#	155#	.450"
	Kit Includes		2 Intake Titanium Retainers	2 Intake CrSi Valve Springs			
			2 Intake H. T. Steel Basewashers	2 Intake Black Diamond™ Valves			

The use of KPMI® guides(#80-8077X and #80-8078X) may be necessary when using higher than stock lift cams.

Valves • Black Diamond™ • Black Nitroreng Stems

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Remarks
	80-80872	Intake	37.00mm	1.457"	0.2158"	20°	3.280"	Standard
	80-80876	Exhaust	30.50mm	1.201"	0.2155"	28°	3.380"	Standard

Must use Kibblewhite® Lightweight Valve Spring Kits when installing Black Diamond™ Valves.

Valves • O.E.M. Replacement • Tensilite® • Chromium Nitride PVD Coated Titanium

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Material	Rep. OEM P/N
	80-80872T	Intake	37.00mm	1.457"	0.2160"	18°	3.280"	Titanium	1SL-12111-00-00
	80-80876T	Exhaust	30.50mm	1.201"	0.2155"	28°	3.375"	Titanium	1SL-12121-00-00

Note: These valves are intended as O.E.M. replacement valves and are completely compatible with the O.E.M. spring kits. However, experienced engine builders, who are running aggressive camshafts or higher than factory RPM's may find the combination of the O.E.M. Style Valve and KPMI's Lightweight Racing Spring Kits advisable. All titanium valves are (Tensilite®) PVD CrN coated, and all stainless valves are Black Diamond™ coated.

VISIT US AT WWW.KPMI.US



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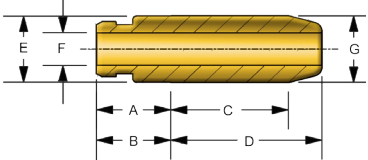
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• YZ™ 450 2014-'19

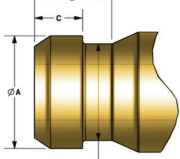
• YZ™ 450FX 2016-'20

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Valve Guides • C630 Bronze

	A	B	C	D	E	F	G	Intake	Exhaust
	0.540"	0.540"	0.560"	0.775"	0.432"	0.2160"	0.4352" / Std.	80-80770	
							+0.001"	80-80771	
							+0.002"	80-80772	
							+0.010"	80-80779	
	0.390"	0.390"	0.760"	1.030"	0.432"	0.2155"	0.4352" Std.		80-80780
							+0.001"		80-80781
							+0.002"		80-80782
							+0.010"		80-80789

Valve Guide Seals • Viton®

Stem Diameter	O.L	Seal O.D.	Seal Style	Designed for these guide specs				Type
5.5mm	0.333"	0.455"	2	A	B	C	D	Intake
				0.365"±0.002"	0.325"	0.120"	0.235"	Exhaust
			Part Number			Quantity	Quantity Discount	
			71040-4			Pkg. of 4	0%	
			71040-8			Pkg. of 8	0%	
			71040-16			Pkg. of 16	Less- 10%	
			71040-50			Pkg. of 50	Less- 15%	
			71040-100			Pkg. of 100	Less- 20%	

Retail Price List

KPMI P/N	Description	Retail
80-80750	Spring Kit, Lightweight Racing, .450" lift	\$207.81
80-82070	Cyl. Head Serv. Kit, .450" lift	\$428.22
80-82071	Top End Gasket Kit	\$68.06
80-81100	Spring Kit, Intake Only, .450" lift	\$185.23
80-80872	Valve, Black Diamond™ H.T. Steel, Intake, Std.	\$37.55
80-80876	Valve, Black Diamond™ H.T. Steel, Exhaust, Std.	\$31.01
80-80872T	Valve (OEM Replacement), Ti. Intake, Std.	\$109.33
80-80876T	Valve (OEM Replacement), Ti.Exhaust, Std.	\$109.33
80-80770	Guide, C630, IN STD.	\$22.29
80-80771	Guide, C630, IN +0.001	\$22.29
80-80772	Guide, C630, IN +0.002	\$22.29
80-80779	Guide, C630, IN +0.010	\$22.29
80-80780	Guide, C630, EX STD.	\$22.29
80-80781	Guide, C630, EX +0.001	\$22.29
80-80782	Guide, C630, EX +0.002	\$22.29
80-80789	Guide, C630, EX +0.010	\$22.29
71040-4	Seal, Red Viton, 5.5mm Stem X 0.365" Guide (Pkg. of 4)	\$13.96
71040-8	Seal, Red Viton, 5.5mm Stem X 0.365" Guide (Pkg. of 8)	\$27.92
71040-16	Seal, Red Viton, 5.5mm Stem X 0.365" Guide (Pkg. of 15)	\$50.25
71040-50	Seal, Red Viton, 5.5mm Stem X 0.365" Guide (Pkg. of 50)	\$148.33
71040-100	Seal, Red Viton, 5.5mm Stem X 0.365" Guide (Pkg. of 100)	\$279.21

ORDER 650-557-2046