


YAMAHA® YZ™ 250F 2014-'18 / WR™ 250F & YZ™ 250FX 2014-'19

October 27, 2025



YAMAHA

Valve Spring Kit • Lightweight Racing for Titanium Valves



KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	
80-80900	Intake	.425"	1.180"	48#	151#	.425"	
	Exhaust	.400"	1.125"	40#	119#	.400"	
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

Valve Spring Kit • Lightweight Racing for Stainless Valves

NEW PRODUCTS

KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	
80-81400	Intake	.395"	1.150"	55#	151#	.395"	
	Exhaust	.370"	1.100"	46#	119#	.370"	
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


Intake Only • Titanium Valve Kit

	KPMI P/N	Type	*Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift
	80-80970	Intake	.425"	1.180"	48#	151#	.425"
	Kit Includes		2	Intake Titanium Retainers	2	Intake CrSi Valve Springs	
			2	Intake H. T. Steel Basewashers	2	Intake Tensilite® Titanium Valves	

* It may be necessary to use KPMI shortened valve guides (KPMI® #80-8092X & 80-8093X) to achieve higher than stock lift.

Top End Service Kit For WR / YZ 250F 2014-2016

NEW PRODUCTS



KPMI P/N	Piston Bore Size	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift
80-81200	77.00mm	Intake	.395"	1.150"	55#	151#	.395"
		Exhaust	.370"	1.100"	46#	119#	.370"
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 Black Diamond™ Valves	2	Ex Black Diamond™ Valves		
		1	High Performance Piston Kit	1	Top End Gasket Kit		

IMPORTANT NOTE: The piston assembly (piston, rings, valves, pin and pin clips) in this kit are designed to work together as a system. When used complete, the piston assembly can be used as an OEM replacement. The individual components are **NOT INTERCHANGEABLE** with O.E.M. valves and piston assembly components.

Components • Replacement • Top End Service Kit For WR / YZ 250F 2014-2016

NEW PRODUCTS

KPMI P/N	Description	Specification
80-81400	Spring Kit	Includes: Ti Retainers, CrSi Valve Springs, H.T. Steel Basewashers
80-80912	Intake, Standard Valve	Valves • Black Diamond™ • Black Nitroreg Stems
80-80916	Exhaust, Standard Valve	Valves • Black Diamond™ • Black Nitroreg Stems
80-81201	Gasket Kit	Includes: Head Gasket 77mm Bore (1), Base Gasket (1), Exhaust Gasket (1), Cam Chain Tensioner Gasket (1), Ex. Valve Stem Seal (2), In. Valve Stem Seal (2), Cylinder Head Drain Seal (1), Cam Chain Tens. Crush Seal (1), TPS O-ring (1)

These components are intended for use with the KPMI® Top End Kit and are not intended for OEM compatibility.

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Cylinder Head Service Kit

NEW PRODUCTS

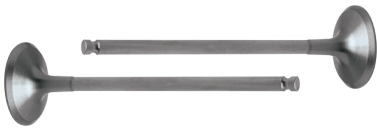
	KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift
	80-82410	Intake	.395"	1.150"	55#	151#	.395"
		Exhaust	.370"	1.100"	46#	119#	.370"
	Kit Includes	2	In Titanium Retainers	2	In CrSi Valve Springs	2	In H. T. Steel Basewashers
		2	Ex Titanium Retainers	2	Ex CrSi Valve Springs	2	Ex H. T. Steel Basewashers
		2	In Std. Black Diamond™ Valves	2	Ex Std. Black Diamond™ Valves		
		2	In Std. C674 Valves Guides	2	Ex Std. C674 Valves Guides		
1		Top End Gasket Kit					

Components • Replacement • Cylinder Head Service Kit

NEW PRODUCTS


KPMI P/N	Description	Specification
80-81400	Spring Kit	Includes: Ti Retainers, CrSi Valve Springs, H.T. Steel Basewashers
80-80912	Intake, Standard Valve	Valve • Black Diamond™ • Black Nitronex Stems
80-80916	Exhaust, Standard Valve	Valve • Black Diamond™ • Black Nitronex Stems
80-80920	Intake, Standard Valve Guide	Valve Guide • C674 Bronze
80-80930	Exhaust, Standard Valve Guide	Valve Guide • C674 Bronze
80-82411	Gasket Kit	Includes: Head Gasket 77mm Bore (1), Base Gasket (1), Exhaust Gasket (1), Cam Chain Tensioner Gasket (1), Ex. Valve Stem Seal (2), In. Valve Stem Seal (2), Cylinder Head Drain Seal (1), Cam Chain Tens. Crush Seal (1), TPS O-ring (1)

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

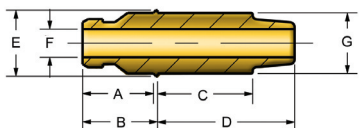

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Material	Rep. OEM P/N
	80-80912T	Intake	31.00mm	1.220"	0.1962"	18°	3.280"	Titanium	1SM-12111-10-00
	80-80916T	Exhaust	25.00mm	0.984"	0.1760"	30°	3.235"	Titanium	1SM-12121-10-00

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.

Valves • Black Diamond™ • Black Nitronex Stems

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Remarks
	80-80912	Intake	31.00mm	1.220"	0.1962"	18°	3.265"	Standard
	80-80916	Exhaust	25.00mm	0.984"	0.1760"	30°	3.235"	Standard

Valve Guides • C674 Bronze

	A	B	C	D	E	F	G	Intake	Exhaust
	0.350"	0.360"	0.535"	0.905"	0.430"	0.1962"	0.3957" / Std.	80-80920	
							+0.010"	80-80929	
	0.330"	0.340"	0.615"	1.015"	0.391"	0.1760"	0.3563" / Std.		80-80930
							+0.010"		80-80939

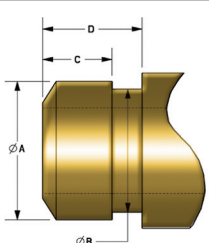

ORDER 650-557-2046

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Valve Guide Seal Kits • High Performance

		Intake Stem Diameter	O.L	Seal O.D.	Seal Style	Designed for these guide specs			
						A	B	C	D
		5.0mm	0.350"	0.405"	4	0.340"±0.005"	0.303"	0.125"	0.230"
		Exhaust Stem Diameter	O.L	Seal O.D.	Seal Style	Designed for these guide specs			
						A	B	C	D
4.5mm	0.331"	0.370"	4	0.321"±0.002"	0.281"	0.120"	0.240"		
Part Number		80-80990		Kit Includes		2	Intake Viton® Seals	2	Exhaust Viton® Seals

Retail Price List

KPMI P/N	Description	Retail
80-80900	Valve Spring Kit • Lightweight Racing for Titanium Valves	\$220.26
80-81400	Valve Spring Kit • Lightweight Racing for Stainless Valves	\$220.26
80-80970	Intake Only • Titanium Valve Kit .425" Lift	\$261.51
80-81200	Top End Service Kit For WR / YZ 250F 2014-2016	\$732.91
80-81201	Gasket Kit For WR / YZ 250F 2014-2016	\$60.99
80-82410	Cylinder Head Service Kit	\$398.61
80-82411	Gasket Kit	\$60.99
80-80912T	Valve (OEM Replacement), Ti. Intake, Std.	\$92.51
80-80916T	Valve (OEM Replacement), Ti. Exhaust, Std.	\$92.51
80-80912	Valve, Black Diamond™ , Intake, Std.	\$31.01
80-80916	Valve, Black Diamond™ , Exhaust, Std.	\$31.01
80-80920	Guide, C630, IN Std.	\$15.92
80-80929	Guide, C630, IN +0.010	\$15.92
80-80930	Guide, C630, EX STD	\$15.92
80-80939	Guide, C630, EX +0.010	\$15.92
80-80990	Seal Kit, Red Viton, Intake/ Exhaust	\$13.96

Contact a KPMI® Sales Representative Today!

650-557-2046, Ext. 802

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