



NEW PRODUCT

March 29, 2024



SUZUKI

AVAILABLE NOW

Manufactures	Suauki®
Years	1999-2019
Models	Hayabusa™

Valve Spring Kit • "Shim in Tappet" Lightweight Racing

	KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift
	60-60750	Intake	.490"	1.455"	65#	195#	.415"
		Exhaust					
	Kit Includes			16	Titanium Retainers	16	CrSi Valve Springs
			16	H. T. Steel Basewashers	16	H. T. Steel Tappets	

This high lift kit is designed for maximum performance applications. It includes KPMI® "Shim in Tappet" design tappets that solve the issues of retainer counter-bore ovaling and adjustment shims becoming dislodged. It is especially recommended for use with reduced base circle cams.

Valve Spring Kit • Lightweight Racing

	KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	
	60-60760	Intake	.490"	1.455"	65#	190#	.415"	
		Exhaust						
	Kit Includes			16	Titanium Retainers	16	CrSi Valve Springs	16

This high lift kit is designed for maximum performance applications, and includes lightweight titanium retainers as well as high lift, superclean chrome silicon wire dual valve springs.

Valve Spring Kit • Lightweight Racing

NEW PRODUCTS

	KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift	
	60-60900	Intake	.490"	1.455"	65#	190#	.415"	
		Exhaust						
	Kit Includes			16	H. T. Steel Retainers	16	CrSi Valve Springs	16

KPMI® performance valve spring kits are modeled using cam profile and simulation softwares. By utilizing FEA software, it was possible to take advantage of the increased strength and wear resistance of a heat treated steel retainer, while reducing its mass to within grams of a comparable titanium retainer. With 65lbs of seat pressure these kits are the ultimate setup for any Busa street/strip tuner.

Retainer Set • O. E. M. Replacement • H. T. Steel

NEW PRODUCTS

	KPMI P/N	Type	Material	Quantity
	60-60901	Intake	H. T. Steel	Pkg. of 16
		Exhaust		

Note : Fits O.E.M. Springs and KPMI® Spring Kit PN 60-60900

KPMI® is proud to introduce one of the most unique retainers we have ever designed. The Suzuki® Hayabusa™ is a technical marvel that changed the game for the sport bike world, and we at KPMI® put in an equal technical effort to make a part worthy of such a bike. This retainer is thoroughly a product of modern engineering. KPMI® engineers spent nearly a year studying materials, and surface treatments to find the ideal balance of hardness, toughness, wear resistance, and strength. They spent countless hours refining the design with finite element analysis and the results are impressive. The new KPMI® retainer is within 1.5 grams of the O.E.M. aluminum retainer, while being 55% harder!

The design tackled several goals besides just reducing mass. Our engineers addressed the shim counterbore wear, and keeper pull-through issues of the O.E.M. aluminum retainer, with our super hardenable alloy. This new retainer also features spring shoulders that were designed to mate with the O.E.M. springs. This allows our retainer be used as a direct O.E.M. replacement, or with KPMI's Super-Clean Chrome Silicon springs for higher performance applications. This really is the ultimate retainer for the ultimate sport bike.

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Valve Spring Only Kit • High Performance

	KPMI P/N	Type	Max Valve Lift	Installed Height	Seat Pressure	Open Pressure	@ Lift
	60-60560	Intake	.490"	1.455"	65#	195#	.415"
		Exhaust					
Kit Includes			16	CrSi Valve Springs			


This spring set fits the stock retainers and bases on all 1999-2023 'Busa models. It is the street/strip tuner's answer for high performance valve springs.

Valve Kit • High Performance Racing

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Remarks
	60-60910	Intake	34.00mm	1.339"	0.1962"	21°	3.745"	Oversize
		Exhaust	27.50mm	1.083"	0.1956"	17°	3.735"	Standard
Kit Includes			8	Intake Titanium Valves		8	Exhaust Inconel® Valves	

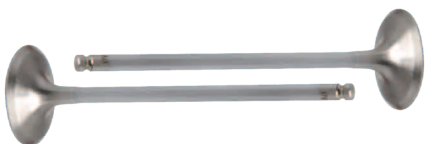
The High Performance Racing Valve Kit for the Suzuki Hayabusa is a specially formulated combination of valve materials and sizes, designed in conjunction with top racers, for maximum performance. The kit includes a +1mm oversize Tensilite Titanium Intake Valve and a White Diamond Inconel Exhaust Valve (standard head size). Components are designed for increased air flow and resistance to the high operating temperatures from applications running forced induction and/or exotic fuels. This combination has been offered as a kit to provide the greatest value for builders and racers looking for the ultimate valve setup.

Valve • Titanium • Tensilite® • Intake NEW PRODUCTS

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Remarks
	60-60412T	Intake	33.00mm	1.299"	0.1962"	21°	3.745"	Standard
	60-60413T	Intake	34.00mm	1.339"	0.1962"	21°	3.745"	Oversize

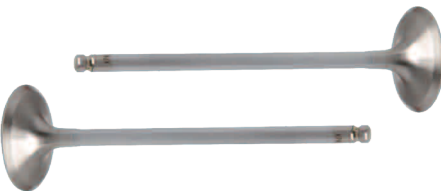
All titanium valves are 1 piece forged for superior strength over a 2 piece valve. The Tensilite PVD CrN coating is a state of the art process, which is much tougher than the OEM oxidizing process.

Valves • White Diamond® • Inconel® • Exhaust

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Remarks
	60-60436K	Exhaust	27.50mm	1.083"	0.1956"	17°	3.735"	Standard
	60-60437K	Exhaust	28.50mm	1.122"	0.1956"	17°	3.735"	Oversize

Inconel® is classified as a "Super Alloy", meaning that it is designed to survive under the most extreme temperatures and pressures, where other valves will begin to burn, corrode, or completely fail. This is the material of choice for high output engines running turbos, superchargers, nitromethane, or nitrous.

Valves • White Diamond® • Stainless

	KPMI P/N	Type	Head Diameter		Stem Diameter	Tulip	O. L.	Remarks
	60-60008H	Intake	33.00mm	1.299"	0.1962"	18°	3.740"	Standard
	60-60009H	Intake	34.00mm	1.339"	0.1962"	18°	3.750"	Oversize
	60-60010H	Exhaust	27.50mm	1.083"	0.1956"	17°	3.735"	Standard
	60-60011H	Exhaust	28.50mm	1.122"	0.1956"	17°	3.725"	Oversize

ORDER 650-557-2046

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Valve Guide Installer

		KPMI P/N	O.L	Body Ø	Inner Ø 1	Inner Ø 2	Depth 1	Depth 2	Quantity
			A	B	C	D	E	F	
		60-61400	8.000"	0.615"	0.425"	0.348"	0.285"	0.650"	Pkg. of 1

Specifically designed for KPMI's Cast Iron, C630 and Manganese Bronze guides

Valve Guide Remover

		KPMI P/N	O.L	Body Ø	Ø 1	Ø 2	Length 1	Length 2	Quantity
			A	B	C	D	E	F	
		60-61405	8.000"	0.615"	0.182"	0.397"	1.000"	4.000"	Pkg. of 1

Works with other applications (see dimensions for compatibility)

Valve Guides • C630 Bronze • Manganese Bronze

		A	B	C	D	E	F	G	Intake / Exhaust		
										C630 Bronze	Manganese
		0.560"	0.585"	0.650"	0.860"	0.460"	0.1962"	0.4170" / Std.		60-60020	60-60020-M
								+0.001"		60-60021	60-60021-M
								+0.002"		60-60022	60-60022-M
								+0.004"		60-60024	60-60024-M
						+0.010"		60-60029	60-60029-M		

For sizing **KPMI® Manganese Bronze Valve guides** please use **Reamer #GR-1970**. For a complete listing of hones and reamers please see component section in back of catalog.

Valve Guides • Cast Iron

		A	B	C	D	E	F	G	Intake / Exhaust
		0.585"	----	0.650"	0.860"	0.415"	0.1931"	0.4170" / Std.	60-60020-C
								+0.001"	60-60021-C
								+0.002"	60-60022-C
								+0.004"	60-60024-C
								+0.010"	60-60029-C

Valve Guide Seals • Viton®

Stem Diameter	O.L	Seal O.D.	Seal Style	Designed for these guide specs				Type
5.0mm	0.350"	0.405"	4	A	B	C	D	Intake
				0.340"±0.005"	0.303"	0.125"	0.230"	Exhaust
		Part Number		Quantity		Quantity Discount		
		71015-4		Pkg. of 4		0%		
		71015-8		Pkg. of 8		0%		
		71015-16		Pkg. of 16		Less- 10%		
		71015-50		Pkg. of 50		Less- 15%		
		71015-100		Pkg. of 100		Less- 20%		

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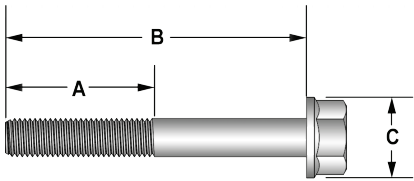


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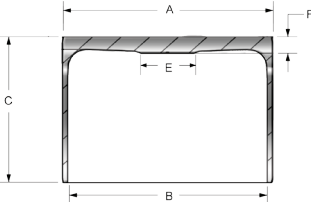
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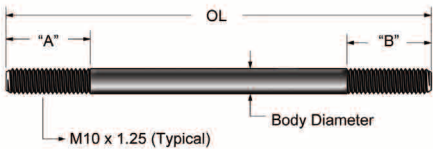
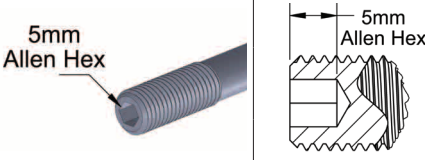
Cam Tower Bolt • H.T. Steel

	KPMI P/N	Thread	Hex	T. L. -A-	O. L. -B-	Flange Ø -C-	Quantity	Kit Quantity	Rep. OEM P/N
	60-61465	M6 x 1.0	10mm	18mm	40mm	12.57mm	16ea.	Pkg. of 20	09103-06266
M6 x 1.0		10mm	18mm	45mm	0.495	4ea.	09103-06026		
41005-4	M6 x 1.0	10mm	18mm	40mm	12.57mm	4ea.	Pkg. of 4	09103-06165	
					0.495"			09103-06293	
41006-4	M6 x 1.0	10mm	18mm	45mm	12.57mm	4ea.	Pkg. of 4	09103-06266	
					0.495"			09103-06026	
Works with other applications (see dimensions for compatibility)									

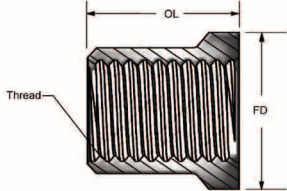
Tappets • O.E.M. Replacement • H.T. Steel

	KPMI P/N	Type	Coating	A		B	C	E	F	Quantity
	60-60014		Intake	None	28.00mm	1.1017"	1.038"	0.763"	0.320"	0.098"
Exhaust										
60-60035		Intake	None	28.50mm	1.1220"	1.058"	0.763"	0.320"	0.098"	Pkg. of 16
		Exhaust								
60-60335		Intake	DLC Coated	28.00mm	1.1017"	1.038"	0.763"	0.320"	0.098"	Pkg. of 16
		Exhaust								
Refer to KPMI® Tappet Section , in back of catalog, when selecting other size tappets.										

Cylinder Stud Kits • H. T. Steel • M10 x 1.25 Thread

	KPMI P/N	Nut - 12pt	Material	O.L.	Body Dia.	A	B	Remarks
	60-60825	14mm		H. T. Steel	8.010"	0.370"	1.155"	1.310"
Includes		10	H. T. Steel Studs		10	H. T. Steel Washers		
	KPMI P/N	Nut - 12pt	Material	O.L.	Body Dia.	A	B	Remarks
	60-60815	14mm	H. T. Steel	8.010"	0.370"	1.155"	1.310"	Std. Length
Includes	10	H. T. Steel Studs		10	H. T. Steel Nuts		10	H. T. Steel Washers
KPMI® Cylinder Studs are made from 180,000 psi yield strength, fine grain, heat treated, aircraft grade alloy steel. When you want a stud that meets proof-stress and maximizes clamping force, look no further. KPMI® "rolls" the threads, heat treats and then centerless grinds the entire body of the stud. Rolling the threads creates the toughest and strongest thread possible and centerless grinding removes notch sensitivity. The final process for all KPMI® Studs is to encase the entire stud with premium corrosion resistant treatment of Black Oxide. Congratulations on your choice to purchase a stud that meets and exceeds your stock-replacement of high-performance needs!								

Cylinder Nuts • Steel

	KPMI P/N	Nut - 12pt	Material	F.D.	O.L.	Thread	Quantity
	60-60820	14mm		H.T. Steel	0.740"	0.750"	M10 x 1.25
41001-4		14mm	H.T. Steel	0.740"	0.750"	M10 x 1.25	Pkg. of 4
Replacement nuts for Stud Kits, #60-61200, but can be used for general purpose (see diagram for detail)							
<ul style="list-style-type: none"> • High quality CNC machined, heat treated steel nuts with rolled threads for maximum tensile strength • Black Oxided for enhanced corrosion resistance 							

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Washers • Spacers for 10M x 1.25 Thread

	KPMI P/N	Material	O.D.	O.L.	Thickness	Quantity
	60-60840	Stainless Steel	0.787"	0.413"	0.079"	Pkg. of 10
	60-60835	C630 Bronze	0.740"	0.396"	0.100"	Pkg. of 10

Note: Washers may be needed with +0.200" Length Studs

Retail Price List

KPMI P/N	Description	Retail
60-60750	Valve Spring Kit • "Shim in Tappet" • Lightweight Racing • w/ Titanium Retainers • 490" Lift	\$1,489.33
60-60760	Valve Spring Kit • Lightweight Racing • w/ Titanium Retainers • 490" Lift	\$491.23
60-60900	Valve Spring Kit • Lightweight Racing • w/ H.T. Steel Retainers • 490" Lift	\$397.46
60-60901	Retainers • OEM Replacement • H.T. Steel	\$177.28
60-60560	Valve Spring Only Kit • High Performance • 490" Lift	\$144.69
60-60910	Valve Kit • High Performance Racing Titanium • Inconel®	\$1,131.57
60-60413T	Valve • Tensilite® Titanium • Intake, Std.	\$109.33
60-60412T	Valve • Tensilite® Titanium • Intake, O/S	\$109.33
60-60436K	Valve • White Diamond® Inconel • Exhaust, O/S	\$47.83
60-60437K	Valve • White Diamond® Inconel • Exhaust, Std.	\$47.83
60-60008H	Valve • White Diamond® • Stainless • Intake, Std.	\$26.62
60-60009H	VValve • White Diamond® • Stainless • Intake, O/S	\$26.62
60-60010H	Valve • White Diamond® • Stainless • Exhaust, Std.	\$26.62
60-60011H	Valve • White Diamond® • Stainless • Exhaust, O/S	\$26.62
60-61400	Tool • Valve Guide Installer	\$31.54
60-61405	Tool • Valve Guide Remover	\$31.54
60-60020	Valve Guide • C630 Bronze • IN/EX Standard	\$15.92
60-60021	Valve Guide • C630 Bronze • IN/EX +0.001	\$15.92
60-60022	Valve Guide • C630 Bronze • IN/EX +0.002	\$15.92
60-60024	Valve Guide • C630 Bronze • IN/EX +0.004	\$15.92
60-60029	Valve Guide • C630 Bronze • IN/EX +0.010	\$15.92
60-60020-M	Valve Guide • Manganese Bronze • IN/EX Standard	\$5.99
60-60021-M	Valve Guide • Manganese Bronze • IN/EX +0.001	\$5.99
60-60022-M	Valve Guide • Manganese Bronze • IN/EX +0.002	\$5.99
60-60024-M	Valve Guide • Manganese Bronze • IN/EX +0.004	\$5.99
60-60029-M	Valve Guide • Manganese Bronze • IN/EX +0.010	\$5.99
60-60020-C	Valve Guides • Cast Iron • IN/EX Standard	\$5.57
60-60021-C	Valve Guides • Cast Iron • IN/EX +0.001	\$5.57
60-60022-C	Valve Guides • Cast Iron • IN/EX +0.002	\$5.57
60-60024-C	Valve Guides • Cast Iron • IN/EX +0.004	\$5.57
60-60029-C	Valve Guides • Cast Iron • IN/EX +0.010	\$5.57
71015-4	Valve Guide Seals • Viton® • 5mm Stem (pkg of 4)	\$13.96
71015-8	Valve Guide Seals • Viton® • 5mm Stem (pkg of 8)	\$27.92
71015-16	Valve Guide Seals • Viton® • 5mm Stem (pkg of 16)	\$50.25
71015-50	Valve Guide Seals • Viton® • 5mm Stem (pkg of 50)	\$148.33
71015-100	Valve Guide Seals • Viton® • 5mm Stem (pkg of 100)	\$279.21
60-61465	Cam Tower Bolt • H.T. Steel (pkg of 20)	\$55.76
41005-4	Cam Tower Bolt • H.T. Steel (pkg of 4)	\$11.14
41006-4	Cam Tower Bolt • H.T. Steel (pkg of 4)	\$11.14
60-60014	Tappet • OEM Replacement • HT Steel • Standard	\$772.04
60-60035	Tappet • OEM Replacement • HT Steel • Oversize	\$689.62
60-60335	Tappets • DLC Coated • HT Steel	\$1,883.84
60-60825	Cylinder Stud Kit • H. T. Steel • M10 x 1.25 Thread	\$140.93
60-60815	Cylinder Studs • H. T. Steel • M10 x 1.25 Thread	\$209.91
60-60820	Nuts • Cylinder Stud • HT Steel (pkg of 10)	\$76.22
41001-4	Nuts • Cylinder Stud • HT Steel (pkg of 4)	\$30.49
60-60840	Spacer • Stainless • 0.079" Thickness (pkg of 10)	\$9.46
60-60835	Spacer • C630 Bronze • 0.100" Thickness (pkg of 10)	\$52.98

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