

VALVES & CAMS

Valve Train & Camshafts



Wiseco's new Valve Train components are the next great products available to maximize the performance of your highly stressed racing engine!

Each new product is made from premium materials for maximum strength and durability, and exceed OEM tolerances and specifications.

Rigorous in-house engineering and testing ensures each product bearing Wiseco's name lives up to the highest standards in quality and performance!



See following application pages for complete part lists

Model	Years	Steel			Titanium			Camshafts		Cam Chains
		Intake	Intake Center	Exhaust	Intake	Intake Cntr.	Exhaust	Intake	Exhaust	
YZ250F	2001-09				VIT005	VIT005C	VET005	WCI008	WCE008	CC007
WR250F	2001-08				\$139.80	\$139.80	\$151.78	\$209.95	\$209.95	\$37.95
YZ400F	1998-99	VIS006	VIS006C	VES006						CC008
WR400F	1998-00	\$10.34	\$10.34	\$15.49						\$48.95

FEATURES

Valve Train & Camshafts

Features

Benefits



Camshafts

- Torque and Power gains
- Built on dedicated forgings
- Polished cam lobes
- Asymmetric cam lobe profiles
- Easy of installation

- Wiseco cams produce great torque and horse power gains. Each cam is rigorously tested to produce real "seat of the pants" power increases.
- Produces a camshaft that is tougher and stronger than cast iron cams. Requires no core exchange.
- Reduces friction on the cam buckets and reduces galling at high RPM's.
- Optimizes the valve timing and closes the valves with the perfect deceleration profile. This eliminates valve bounce and reduces premature valve failure.
- Installs using OEM components. No extra parts or special setup required.



Valves

- Manufactured from premium materials
- Forged ONE Piece construction
- Chromium Nitride Coated

- Manufactured to the highest quality standards and specifications. Exceed OEM standards.
- Just like our pistons, forged valves offer higher strength and fatigue properties due to the 1-piece construction.
- Offers superb surface hardness and wear resistance.



Cam Chains

- Manufactured from premium materials
- M-Style chain design

- Manufactured to the highest quality standards and specifications. Exceed OEM standards.
- Superior design for increased strength and durability.

Fuel Management

Crankshafts

Cams/Valves

Clutch

Top End

European

Honda

Kawasaki

KTM

Polaris

Suzuki

Yamaha

PWC


Sleeves

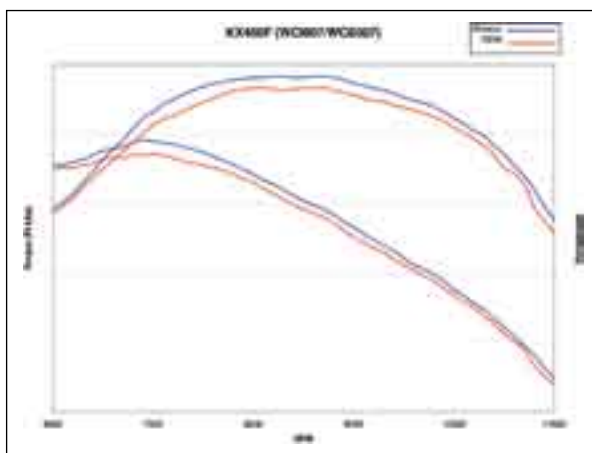
Rings

Accessories

Apparel

Camshafts

 Performance Gain Matrix				■ = Maximum gain ◻ = Medium gain □ = Minimum gain		
Model	Year	Location	Part #	Low End	Mid Range	Top End
Honda Off-Road						
CRF150R	2007-09		WC001	■	◻	□
CRF250R	2004-08		WC002	■	◻	□
CRF450R	2002-06		WC003	■	◻	□
Kawasaki Off-Road						
KX250F	2004-08	Intake	WCI005	□	◻	■
KX250F	2004-08	Exhaust	WCE005	□	◻	■
KX450F	2006-09	Intake	WCI007	◻	■	■
KX450F	2006-08	Exhaust	WCE007	◻	■	■
Suzuki Off-Road						
RM-Z250	2004-06	Intake	WCI005	□	◻	■
RM-Z250	2004-06	Exhaust	WCE005	□	◻	■
RM-Z450	2005-07	Intake	WCI006	◻	■	■
RM-Z450	2005-07	Exhaust	WCE006	◻	■	■
Yamaha Off-Road						
WR250F/YZ250F	2001-09	Intake	WCI008	□	◻	■
WR250F/YZ250F	2001-09	Exhaust	WCE008	□	◻	■
YZ450F	2003-09	Intake	WCI009	◻	■	■
YZ450F	2003-09	Exhaust	WCE009	◻	■	■
Yamaha ATV						
YFM25RX Raptor 250	2008-09		WC011	◻	■	■



Valve Train & Camshafts • Motorcycle

Model	Years	Steel Intake	Steel Intake Center	Steel Exhaust	Titanium Intake	Titanium Intake Cntr.	Titanium Exhaust	Camshafts Intake	Camshafts Exhaust	Cam Chains
Husqvarna										
450	2005				VIT015 \$155.78		VETO15 \$155.78			
510	2005				VIT015 \$155.78		VETO15 \$155.78			
Honda										
CRF150-F	2003-08									CC012 \$37.95
CRF150R	2007-09	VIS016 \$44.05		VES016 \$41.95				WC001 \$209.95		CC013 \$45.95
CRF230-F	2003-08									CC014 \$45.95
CRF250R	2004-07			VES001 '04-'07 \$36.70	VIT001 '04-'07 \$135.81		VET001 '04-'07 \$165.00	WC002 \$209.95		CC001 \$48.95
CRF250X	2004-07									CC001 \$48.95
CRF250R	2008				VIT001 \$135.81			WC002 \$209.95		CC001 \$48.95
CRF250R	2009				VIT001 \$135.81					CC001 \$48.95
CRF250X	2008-09									CC001 \$48.95
XR400	1996-04	VIS003 \$20.95		VES003 \$39.85						CC004 \$76.45
CRF450R	2002-06			VES002 \$44.05	VIT002 \$139.80		VET002 \$165.00	WC003 \$209.95		CC002 \$48.95
CRF450R	2007			VES019 \$41.95	VIT002 \$139.80					
CRF450X	2005-09			VES002 \$44.05	VIT002 \$139.80			WC003 \$209.95		CC002 \$48.95
XR600R	1993-00		VIS004 \$43.00	VES004 \$69.25						CC005 \$76.45
XR650R	2000-07									CC006 \$48.95
Kawasaki										
KX250F	2004-08				VIT011 \$123.82		VETO11 \$127.82	WC1005 \$209.95	WCE005 \$209.95	CC007 \$37.95
KX250F	2009				New		VETO11 \$127.82			CC007 \$37.95
KLX400	2003-04	VIS009 \$22.00		VES009 \$34.60						CC010 \$59.95
KX450F	2006-08				VIT012 \$115.83		VETO12 \$115.83	WC1007 \$209.95	WCE007 \$209.95	CC019 \$59.95
KX450F	2009				VIT012 \$115.83		VETO12 \$115.83			CC019 \$59.95
KTM										
250 SX-F	2006-07				VIT013 \$119.83		VETO13 \$119.83			
250 EXC-F	2007				VIT013 \$119.83		VETO13 \$119.83			
450 SX	2003-06				VIT014 \$151.78		VETO14 \$151.78			
450 SX-F	2007-08				VIT020 \$163.54		VETO20 \$163.54			
450 EXC/MXC	2003-07				VIT014 \$151.78		VETO14 \$151.78			
Suzuki										
RM-Z250	2004-06				VIT011 \$123.82		VETO11 \$127.82	WC1005 \$209.95	WCE005 \$209.95	CC007 \$37.95
RM-Z250	2007-09						TBA			CC007 \$37.95
DRZ400	2000-07	VIS009 \$22.00		VES009 \$34.60						CC010 \$59.95
RMZ450	2005-06				VIT010 \$115.83		VETO10 \$121.62	WC1006 \$209.95	WCE006 \$209.95	CC011 \$59.95
RMZ450	2007				VIT018 \$132.00		VETO18 \$132.00	WC1006 \$209.95	WCE006 \$209.95	CC011 \$59.95

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Yamaha
PWC
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Rings
Accessories
Apparel

See page 24 for Camshaft Performance Gain Matrix

Valve Train & Camshafts • Motorcycle

Model	Years	Steel Intake	Steel Intake Center	Steel Exhaust	Titanium Intake	Titanium Intake Cntr.	Titanium Exhaust	Camshafts Intake	Camshafts Exhaust	Cam Chains
Yamaha										
YZ250F	2001-09				VIT005	VIT005C	VET005	WC1008	WCE008	CC007
WR250F	2001-08				\$139.80	\$139.80	\$151.78	\$209.95	\$209.95	\$37.95
YZ400F	1998-99	VIS006	VIS006C	VES006						CC008
WR400F	1998-00	\$10.34	\$10.34	\$15.49						\$48.95
YZ426	1998-00	VIS006	VIS006C	VES006						CC008
WR426	1998-00	\$10.34	\$10.34	\$15.49						\$48.95
YZ426	2001-02				VIT007	VIT007C	VET007			
WR426	2001-02				\$151.78	\$151.78	\$151.78			
YZ450F	2003-07				VIT008	VIT008C	VET008	WC1009	WCE009	CC015
					\$151.78	\$151.78	\$151.78	\$209.95	\$209.95	\$48.95
YZ450F	2008-09				VIT008	VIT008C	VET008		YZ450F only	CC015
WR450F	2003-09				\$151.78	\$151.78	\$151.78	WC1009	WCE009	\$48.95
								\$209.95	\$209.95	

Valve Train & Camshafts • ATV

Model	Years	Steel Intake	Steel Exhaust	Titanium Intake	Titanium Center Intake	Titanium Exhaust	Camshafts	Cam Chains
Honda								
TRX400EX	1999-08	VIS003	VES003					CC004
		\$20.95	\$39.85					\$76.45
TRX450R	2004-05						WC003	CC003
							\$209.95	\$45.95
TRX450R	2006-09						WC003	CC003
							\$209.95	\$45.95
Kawasaki								
KFX400	2000-05	VIS009	VES009					CC010
		\$22.00	\$34.60					\$59.95
KFX450	2008-09							CC017
								\$48.95
Suzuki								
LT-Z400	2003-07	VIS009	VES009					CC010
		\$22.00	\$34.60					\$59.95
LT-R450	2006-07			VIT017	VET017			CC017
				\$132.00	\$132.00			\$48.95
LT-R450	2008			VIT017				CC017
				\$132.00				\$48.95
Z400	2000-06	VIS009	VES009					CC010
		\$22.00	\$34.60					\$59.95
Z400	2007	VIS009	VES009					
		\$22.00	\$34.60					
Yamaha								
Raptor 250	2008						WC011	
							\$209.95	
YFM350 Warrior	1987-08							CC009
YFM350 Raptor	1987-08							\$42.45
YFZ450	2004-08			VIT008	VIT008C	VET008		CC015
				\$151.78	\$151.78	\$151.78		\$48.95
YFM660R Raptor	2001-05							CC016
								\$59.95
YFM700R	2006-08							CC017
								\$48.95

Valve Shims • Kits & Refills

Wiseco shim kits are through-hardened and precision ground to exact sizes. Each kit box comes complete with three shims per size.

Refill kits are available by individual size (five shims per size).



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Apparel

\$89.95

Complete Valve Shim Kits	
Kits contain 47 shim thicknesses (3 of each)	
Part #	Diameter
VSK7	7.48mm dia.
VSK9	9.48mm dia.

See refill kits chart → for full listing of thicknesses.

\$9.95 per kit

Shim Refills (5 per size)			
Thickness (mm)	∅ 7.48mm Part #	∅ 9.48mm Part #	Models
1.20	VS7120	VS9120	
1.25	VS7125	VS9125	
1.30	VS7130	VS9130	
1.35	VS7135	VS9135	
1.40	VS7140	VS9140	
1.45	VS7145	VS9145	
1.50	VS7150	VS9150	
1.55	VS7155	VS9155	
1.60	VS7160	VS9160	
1.65	VS7165	VS9165	
1.70	VS7170	VS9170	
1.75	VS7175	VS9175	
1.80	VS7180	VS9180	
1.85	VS7185	VS9185	
1.90	VS7190	VS9190	
1.95	VS7195	VS9195	
2.00	VS7200	VS9200	
2.05	VS7205	VS9205	
2.10	VS7210	VS9210	
2.15	VS7215	VS9215	
2.20	VS7220	VS9220	
2.25	VS7225	VS9225	
2.30	VS7230	VS9230	
2.35	VS7235	VS9235	
2.40	VS7240	VS9240	
2.45	VS7245	VS9245	
2.50	VS7250	VS9250	
2.55	VS7255	VS9255	
2.60	VS7260	VS9260	
2.65	VS7265	VS9265	
2.70	VS7270	VS9270	
2.75	VS7275	VS9275	
2.80	VS7280	VS9280	
2.85	VS7285	VS9285	
2.90	VS7290	VS9290	
2.95	VS7295	VS9295	
3.00	VS7300	VS9300	
3.05	VS7305	VS9305	
3.10	VS7310	VS9310	
3.15	VS7315	VS9315	
3.20	VS7320	VS9320	
3.25	VS7325	VS9325	
3.30	VS7330	VS9330	
3.35	VS7335	VS9335	
3.40	VS7340	VS9340	
3.45	VS7345	VS9345	
3.50	VS7350	VS9350	