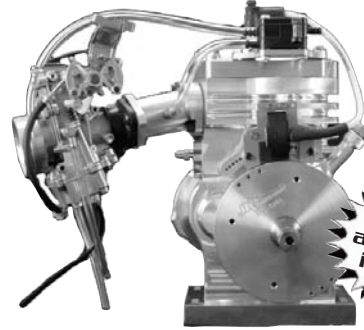
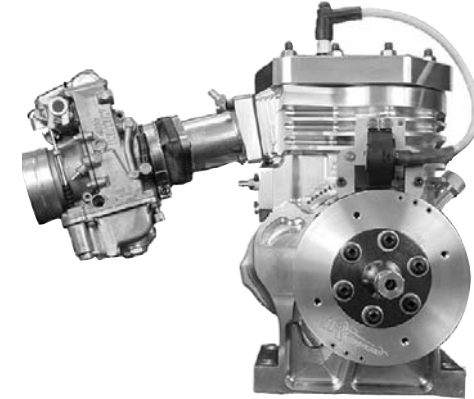


# JR RACE CAR Engines

## Raptor Engines



**ZR is available in kits!**



### JR Race Car Engine Comparisons

	12.90 Destroyed	Stage 2	Stage 3	Stage 4	Stage 5 Large Port	Stage 6 Stroker	Stage 8 3"x3"	Titan 3-1/4"	Titan 3-1/2"	Titan Racing Engine
<b>Block</b>	Briggs Raptor	Briggs Raptor	Briggs Raptor	JR ZR2	JR ZR2	JR ZR2	JR ZR3	Titan	Titan	<b>Extra Features</b>
<b>Bore</b>	Stock	Stock	0.060" Over	0.140"-0.155" Over	0.155"-0.174" Over	0.174"-0.194" Over	2.994"-3.032"	3-1/4"	3-1/2"	Bead lock valve keepers
<b>Camshaft</b>	Cast 0.260" lift	Cast 0.363" lift	Cast 0.383" lift	Billet 0.406" lift	Billet 0.436" lift	Billet 0.458" lift	Billet 0.473" lift	Roller lifter	Roller lifter	Billet oil fill plug
<b>Carburetor</b>	28mm Mikuni	28mm Mikuni	28mm Mikuni	28mm Mikuni	33mm Mikuni	33mm Mikuni	33mm Mikuni	40mm Mikuni	40mm Mikuni	Dual girdle support
<b>Crankshaft</b>	Billet destroyed	1" Stock Stroke	1" Stock Stroke	1" Stock Stroke	JR 0.400 Stroker	JR 0.563 Stroker	JR 0.563 Stroker	JR 1" journal	JR 1" journal	Extra fuel line
<b>Coil</b>	Stock 3HP	Stock 3HP	Stock 3HP	Stock 3HP	Hot Coil 3HP	Hot Coil 3HP	Hot Coil 3HP	Hot Coil 3HP	Hot Coil 3HP	Jet kit with jet block
<b>Rod</b>	4.500" Billet	4.425" Billet	4.425" Billet	4.475" Billet	4.275" Billet	4.225" Billet	4.225" Billet	4.425" Billet	4.375" Billet	JR Race Car logbook
<b>Air Filter</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Power Stack	Power Stack	1" dia. journal crank
<b>Breather</b>	2-port Billet	2-port Billet	2-port Billet	Billet	Billet	Billet	Billet	Billet	Billet	
<b>Coil Bracket</b>	Time Machine	Billet	Billet	3" Billet Adjustable	3" Billet Adjustable	3" Billet Adjustable	3" Billet Adjustable	3" Billet Adjustable	3" Billet Adjustable	
<b>Flywheel</b>	3HP Billet	3HP Billet	3HP Billet	3HP Billet	3HP Billet	3HP Billet	3HP Billet	3HP Billet Adjustable	3HP Billet Adjustable	
<b>Fuel Pump Bracket</b>	Billet	Billet	Billet	Billet	Billet	Billet	Billet	On Dual Support	On Dual Support	
<b>Head</b>	Billet with girdle	Billet with girdle	Billet with girdle	Billet	Billet	Billet	Billet	Billet	Billet	
<b>Intake Manifold</b>	Billet	Billet	Billet	Standard Port Billet	Large Port Billet	Large Port Billet	Large Port Billet	Billet 4-bolt pattern	Billet 4-bolt pattern	
<b>Side Cover</b>	Billet	Billet	Billet	Billet	Billet	Billet	Billet	Billet	Billet	
<b>Starter Nut</b>	Billet	Billet	Billet	Billet	Billet	Grooved Billet	Grooved Billet	Grooved Billet	Grooved Billet	
<b>Valve Guides</b>	Full length bronze	Full length bronze	Full length bronze	Full length bronze	Full length bronze	Full length bronze	Full length bronze	Full length bronze	Full length bronze	
<b>Porting</b>	Stock	Hand	Welded	CNC	CNC	CNC	CNC	CNC	CNC	
<b>Header</b>	15" 3-stage	15" 3-stage	15" 3-stage	15" 3-stage	21" 3-stage	21" 3-stage	27" 3-stage	3-stage Titan	3-stage Titan	
<b>Piston</b>	2.562 Flat top	2.562 Flat top	0.060 Flat top	Dome	Dome	Dome	Dome	Dome w/ large wrist pin	Dome w/ large wrist pin	
<b>Valve Springs</b>	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	Dual	
<b>Hardened Crank Gear</b>	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Intake Valve</b>	Stock	Stock	1.250" Stainless	1.437" Stainless	1.437" Stainless	1.437" Stainless	1.500" Stainless	1.750" Titanium	1.875" Titanium	
<b>Exhaust Valve</b>	Stock	Stock	1.125" Stainless	1.160" Stainless	1.160" Stainless	1.160" Stainless	1.250" Stainless	1.500" Titanium	1.500" Titanium	
<b>Valve Job</b>	Competition	Competition	Competition	Multi-angle	Multi-angle	Multi-angle	Multi-angle	Multi-angle	Multi-angle	
<b>Head Gasket</b>	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	Copper	
<b>Racing Spark Plug</b>	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	Bosch	
<b>Fuel Pump</b>	Walbro	Walbro	Walbro	Walbro	Walbro	Walbro	Walbro	Walbro	Walbro	
<b>Professionally Built</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>Available in Kit</b>	No	No	No	Yes	Yes	Yes	Yes	No	No	
<b>Engine Price</b>	\$1,350	\$1,225	\$1,645	\$2,395	\$3,095	\$3,195	\$3,395	\$4,500	\$4,800	

Order Line 1-800-557-5430

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