

DESCRIPTION

RHS[™] Pro Action[™] Small Block Chevy 23° cylinder head, flat tappet assembly aluminum, 200cc intake runner, 64cc combustion chamber, straight plug 2.020" intake/1.600" exhaust valves

	2.020" intake/1.600" exhaust valv	/es		
Specifications				
	Intake	Exhaust		
Port Volume:	200cc	74cc		
Port Dimension:	1.200" X 2.180"	1.350" X 1.400"		
Port Location:	Stock	stock		
Valve Angle:	23°(stock angle)	23°(stock angle)		
Valve Head Diameter:	2.020"	1.600"		
Valve Length:	5.011" (std length + .100")	5.011" (std length + .100")		
Valve Seat Dimensions:	2.120" X 1.812" X .375"	1.656" X 1.350" X .375"		
Valve Seat Angles:	35/45/60/75	35/45/55/radius		
Valve Guide Diameter:	11/32"	11/32"		
Valve Guide Dimensions:	.502" O.D. X 2.130"L X .530" boss dia.	.502" O.D. X 2.130"L X .530" boss dia.		
Valve Guide Spacing:	1.890"			
Valve Guide Material:	Premium bronze material for superior heat dissipat	ion and longer life		
Cylinder Head Material:	Aluminum			
Chamber Volume:	64cc			
Spark Plug Configuration:	Straight plug			
Spark Plug Type:	14mm, .750" reach, 5/8" hex, flat gasket style			
Spring Pocket Diameter:	1.55"	I		
Pushrod Diameter:	5/16" (larger diameter will require clearancing)	I		
Weight:	24 lbs	I		
	Features			
• Optimal port design for greate	er flow, better atomization & enhanced dynamics			
	radiused exhaust valve seats for increased flow and	horsepower output		
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	ptional durability even when used in extreme applic			
• More efficient water jacket de	sign for improved cooling and thermal conductivity	, and reduced risk of detonation		
• Thick deck faces with added r	naterial to allow angle milling for increased compre	ssion		
Revised combustion chamber	design for excellent combustion thermodynamics an	nd enhanced fuel efficiency		
• All accessory bolt holes drille				
All accessory bolt holes drifte	Tech Notes			
Elet Milling.				
Flat Milling: Angle Milling:	.006" per cc	nonifold misslightment)		
Head Bolt Torque:	.0075" per cc (excessive milling can cause intake manifold misalignment)			
Rocker Stud Torque:	Refer to cylinder head bolt manufacturer's specifications 45 lb/ft			
Intake Manifold Torque:	45 lb/ft 35 lb/ft			
Spring Pocket Machining:				
Pushrod Length:	Can be machined to 1.625" maximum diameter, cannot be machined deeper Measuring with length checker (COMP Cams® #7705) required to verify pushrod geometry			
Piston to Valve Clearance:	Must be verified -minimum clearance is .080" intake and .100" exhaust			
Retainer to Guide Clearance:				
Chamber to Dome Clearance:	Must always be measured when using high lift cams Must always be checked with domed pistons, clearancing may be necessary			
Chamber Volume:	Varies due to valve margins and dishes, should always be verified before installation			
Valve Guide Clearance:	Must be checked due to the variance in valve stem	-		
, mrt Guiut Grandlitt.	Recommended clearance: intake .0015"0016", exhaust .002"0025"			
	Water jackets require flushing prior to cylinder head installation			
Header/Spark Plug Clearance:	Spark plug/ wire boot clearance verification is requ			
ing cital and	Minor modifications may be necessary in order to	-		
RHS TM				
3416 Democrat Rd. Memphis,TN 38118				

3416 Democrat Rd. Memphis,TN 38118 Phone: (877) 776-4323 Fax: (901) 368 1951 www.racingheadservice.com



Pro ActionTM Small Block Chevy Cylinder Head #12054-01

Suggested Assembly Components			
Part Type	Brand/Part #	Description	
Intake Valves	COMP Cams® #6001-8	2.020", + .100" long, 11/32" valve stem diameter	
Exhaust Valves	COMP Cams® #6002-8	1.600", + .100" long, 11/32" valve stem diameter	
Valve Springs*	COMP Cams® #972-16 (-01)	1.460 single valve spring set, 124# @ 1.800" max lift .560"	
Retainers*	COMP Cams® #743-16 (-01)	1.400" 7° steel retainer set	
Valve Locks*	COMP Cams® #601-16 (-01)	11/32" 7° valve lock set	
Valve Stem Seals	COMP Cams® #529-16	.530" metal body viton valve stem seals	
Spring Locators*	COMP Cams® #4696-16 (-01)	1.510" valve spring locators	
Guide Plates	COMP Cams® #4808-8	5/16" guide plate set	
Rocker Arm Studs	COMP Cams® #4502-16	3/8" Magnum [™] rocker arm stud set	

Suggested Assembly Components

Additional Recommended Components			
Part Type	Brand/Part #	Description	
Spark Plugs	ZEX TM #82003-8	Street/strip: 14mm, .750" reach, 5/8" hex, premium spark plug set	
	ZEX TM #82216-8	Race: Champion C57YC, 14mm, .750" reach, 5/8" hex, spark plug set	
Rocker Arms	COMP Cams® #1301-16	Pro Magnum [™] 1.52 ratio rocker arm set, 3/8" stud diameter	
Shaft Mount Rockers	COMP Cams® #1503	1.6 ratio shaft-mounted full roller aluminum rocker arms	
Intake Gaskets	RHS ^{тм} #1707	Intake manifold gasket, 2.09" X 1.28" port, .060" thick	
Exhaust Gaskets	RHS TM #1708	Header gasket, 1.500" X 1.500" port size, graphite	
Head Gaskets	RHS ^{тм} #1700	Cylinder head gasket, 4.060" bore X .041" compressed thickness	
	RHS ^{тм} #1701	Cylinder head gasket, 4.165" bore X .041" compressed thickness	
Valve Cover Gaskets	RHS ^{тм} #1709	Valve cover gasket, .120" thick, silicone reinforced	
Head Bolts**	ARP #134-3701	HP head bolt set, 265-400 SBC	
Head Studs**	ARP #234-4301	8740 head stud set, 265-400 SBC	
Stud Girdle**	COMP Cams® #4004	Aluminum stud girdle set, 265-400 SBC	

Application Notes

* -01 indicates flat tappet application

* -02 indicates hydraulic roller application

** Recommended components only, individual application <u>must</u> be verified prior to installation



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