



12.5 degree SBC Aluminum Cylinder Head

Part#	14472010 - 14482131
Material:	355T61 alum alloy
Comb Chambers:	42cc w/stainless valve 33cc w/titanium valves
Intake Valve Dia:	2.180" (2.200 options as an upgrade)
Intake Port volume:	Full Port 296cc - STD
Intake Port Dim:	2.138"x1.300"- STD
Int Port Location:	Raised, 5° Intake face (stock = 10°)
Intake Gasket:	Mr. Gasket# 143
Exh Valve Dia.:	1.600"
Exh Port volume:	Full Port 117cc
Exhaust Port Dim:	Full Port 1.530"t x 1.885"w
Exh Port Location:	Raised & spread port, GM & Stahl spread pattern
Exhaust Gasket:	Spread port or Stahl gaskets
Flow, Intake:	(F/P STD) - 385 cfm @ .800 lift / 28"
Flow, Exhaust:	(F/P STD) - 281 cfm @ .800 lift / 28"
Lifters:	.180" offset lifters required
Manifold:	Dart 18° single plane, 5° face
Milling:	Min. 38cc / .065" (.0065" = 1cc) Flat mill only.
Pistons:	Aftermarket pistons.
Push Rod:	Should always measure (Clearance not machined)
Retainers:	Titanium (10 deg)
Rocker Arms:	Shaft Rocker Assemblies for Dart 12.5° SBC head T&D 2127
Spark Plug:	Angled .750" reach, gasketed. Autolite AR3932
Spring Cups:	1.550" - ID locator
Spring Pockets	1.550" OD (.030" deeper max) can go to 1.625" but no deeper
Springs:	Our Assembly: 1.550D = 215# @ 1.950" / .680" max 1.550D = 235# @ 1.950" / .750" max
Studs, head:	New Dart 12.5° stud kit w/ (4) 3/8"x 7/16" step studs Dart# 66110014 Old Dart 12.5° stud kit w/ (4) 3/8"x 7/16" step studs Dart# 66110012
Valve Angles:	12.5°
Valve Length:	5.550" (+.600") .250" tip
Valve Stem Dia:	.3415" - 11/32"
Valve Train:	1.6/1.55 Jesel (In .550"/Ex .220" off) or T&D (In .700"/Ex .080" off) 2127
Valve Guides:	1/2" OD Mag - bronze Cut for .530" PC seals (.002" press)
Valve Guide length:	2.100"
Valve Guide clearance:	.0014" - .0020" (with our .3415 Dia. valve stem)
Valve Guide Spacing:	1.935"
Valve Seats:	Ductile Iron, .006" press
Valve Seat dim.	Int. - 2.250" x 1.850" x .375" Exh - 1.680" x 1.350" x .375"
Valve Seat angles:	Int = 38°- 45°- 60°- 70°- 80° Exh = 38°- 45°- Radius
Torque:	Head Studs = 70 ft/lb (3/8" = 55 ft/lb) Manifold = 35 ft/lb
Block Use:	Any SBC Iron or Aluminum
Weight:	27 lbs bare – 32 lbs assembled
Notes:	Fuel Injection down nozzle bosses provided