

20° BBC Aluminum Cylinder Head

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| Part# | 19705090 - 19705199 | |
| Material: | RMR Cast Aluminum Alloy | |
| Comb Chambers: | 97cc with stainless steel / 93cc with titanium | |
| Intake Valve Dia: | 2.400" | |
| Intake port volume: | 440cc | |
| Intake Port Dim: | 2.600" T x 1.850" W Rectangle | |
| Int Port Location: | Raised .500" from stock | |
| Intake Gasket: | 65123120 (.060") | |
| Exh Valve Dia.: | 1.800" | |
| Exh Port volume: | 156cc | |
| Exhaust Port Dim: | 1.825" T x 2.125" W Oval | |
| Exh Port Location: | Raised .600" from stock | |
| Exhaust Gasket: | 65224020 | |
| Exhaust Bolts: | 1" longer than stock Dart PN# 66526000 | |
| Head Bolts/studs: | Dart PN# 66120014-20 | |
| Flow, Intake: | 466 cfm @ 1.000" lift w/ 28" H2O | |
| Flow, Exhaust: | 332 cfm @ 1.000" lift w/ 28" H2O | |
| Manifold: | Aftermarket stock configuration Dart PN# 41114000 or 41115000 End Rail Spacer set PN# 62220010 | |
| Valve Cover: | 68000045 *includes gaskets & hardware | |
| Valve Cover Gasket: | 65323020 | |
| Milling: | Min 95cc w/ stainless / 91cc w/titanium (.005" = 1cc) Flat mill only | |
| Parts kits: | Dart P/N# 28000093 - 2.400 x 1.800 x 1.625D Dart P/N# 28000095 - 2.400 x 1.800 x 1.650T | |
| Pistons: | Aftermarket 20° valve pocket | |
| Push Rod length: | Always measure | |
| Push Rod Guide Plate | N/A | |
| Retainers: | Titanium 10° | |
| Spark Plug: | .750" reach, gasketed | |
| Spring Cups: | 1.750" O.D x .060" thick | |
| Spring Pockets | 1.750" OD for 1.625" cup (.030" deeper max) | |
| Springs: | Our Assembly: 1.625D = 275# @ 2.000" .850 P.S.I | |
| Valve Angles: | Intake 20° x 4° cant Exhaust 13° x 4° cant | |
| Valve Length: | 6.030" Intake 5.930" Exhaust | |
| Valve Stem Dia: | .3415" - 11/32" | |
| Valve Train: | Jesel or T&D shaft system | |
| Valve Guides: | 1/2" OD Mag - bronze Cut for .500" PC seals (.002" press) | |
| Valve Guide length: | 2.750" Intake and Exhaust | |
| Valve Guide clearance: | .0014" - .0021" (with our .3415 dia. valve stem) | |
| Valve Guide Spacing: | Exhaust moved .045" away from Intake valve | |
| Valve Seats: | Copper impregnated powdered metal | |
| Valve Seat dim. | Intake 2.500" x 2.040" x .375" Exhaust 1.960" x 1.625" x .375" | |
| Valve Seat angles: | Intake 50° Seating Angle Exhaust 55° Seating Angle | |
| Stud Girdle: | N/A | |
| Torque: | Head Bolts = 70 ft/lb Dart inner head studs 3/8-7/16 = 50 ft/lb Manifold = 35 ft/lb | |
| Block Use: | Mark IV, Gen V, and Gen VI with proper head gasket | |
| Weight: | 35lbs Bare | |