



GEN 7 8.1L BBC Cast Iron Cylinder Head

Part #	15400170
Material:	Superior cast iron alloy
Comb Chambers:	107cc
Intake Valve Dia:	2.190" or 2.250" option
Intake Port volume:	320cc
Intake Port Dim:	Factory 8.1L GM
Int Port Location:	Factory 8.1L GM Location
Intake Gasket:	Factory GM 8.1L Gasket or Felpro # QMS96057
Exh Valve Dia.:	1.880"
Exh Port volume:	128cc
Exhaust Port Dim:	1.530"T x 1.800"W
Exh Port Location:	Raised .050" from factory location
Exhaust Gasket:	Factory GM 8.1L Gasket or Felpro # QMS95840
Flow, Intake:	341cfm @ .600" lift
Flow, Exhaust:	252cfm @ .600" lift
Flow Wet:	N/A
Freeze Plugs:	Dart PN# 32860000B 1 3/8 dia. Brass
Head Bolts:	Factory GM head bolts / Special + .270 Dowel Holes Dart PN# 66454330
Head Studs:	N/A
Manifold:	Factory GM or Dart
Milling:	Min. 100cc .005" = 1cc flat mill only
Push Rod length:	Must be measured / Factory GM 8.1L
Push rod Guide Plate:	Dart Adjustable PN# 27001230-4
Retainers:	1.250" or 1.550"
Spark Plug:	.750" Reach tapered seat
Spring Pockets:	Inner step 1.265" outer step 1.550"
Springs:	1.250" Dia. w/ Rotator & 1.550
Valve Length:	Intake: 5.235" OAL Exh: 5.425" OAL
Valve Stem Dia:	11/32"
Valve Train:	Factory GM valve train
Valve Guides:	Integral guides
Valve Guide length:	N/A
Valve Guide clearance:	.3435" I.D (.002" w/ .3415 dia valve stem)
Valve Guide Spacing:	Factory GM 8.1L
Valve Seats:	Integral intake seat & Hardened ex. seat.
Valve Seat dia.	2.450" Int. & 2.000" Exh.
Valve Seat angles:	45°
Torque:	Use factory GM torque procedures Intake Manifold (M6 x 1) = 106 in lbs Rocker studs (M10 x 1.5) = 37 ft lbs, Valve Cover (M6 x 1) = 106 in lbs
Weight:	75.5 lbs ea.