



GM 604 Stock Engine Specifications

Max Cubic Inch	350
Max. Compression	10.0 - 1
Piston	Hi-Silicon Aluminum / Diamater 3.998"-3.999" / 533 grams / Flat Top 4 Valve Relief
Rings	1.5 X 2 X 4 mm
Connecting Rods	5.7" / 604.15 grams (+/- 10 grams)
Block	GM Part # 10243880 / Casting # 10243880 - Cast Iron 4 Bolt Main
Bore	3.991" - 4.001"
Stroke	3.480"
Intake	GM Part # 12496822
Crankshaft	Forged Steel & Shot Peened - GM Part # 14088532 / Casting # 12670965 - 55 lbs.
Vibration Dampner	PN 19301706 - 8"
Balance	External
Heads	Aluminum - GM Part # 14175925 / Casting # 19417568
	Combustion Chamber 62cc - Intake Port 205cc - Exhaust Port 77cc - All +/- 1-2cc
Valves	GM Part # 12555331 2.00" / GM Part # 12551313 1.55"
Valve Springs	GM # 12551483 or 119420455 / Diam. 1.32" / Wire Size .178" / Open Pressure 260 lbs (+/- 8 lbs)
Valve Spring Height	Free Height 2.154" - Installed Height 1.78"
Front Cover	Plastic GM Part # 12562818 - If damaged can be replaced with steel cover.
Camshaft	Hydrallic Roller / 112.5 Degree Centerline
Cam Lobe Lift	.316" / .340"
Cam Duration	208 / 221 @ .050"
Lifters	GM Part # 5234890
Rocker Arms	1.5 Ratio Aluminum Roller Rockers
Push Rods	GM Part # 10241740 / 5/16" Diamater / 7.122" Length
Oil Pump	GM Part # 14048272
Oil Pan	Factory Steel - Can be replaced with Champ Part # CP106LTRB
Maximum RPM	6500

