



GM 604 Rebuilt Engine Specifications

Max Cubic Inch	353
Max. Compression	10.0
Piston	Hi-Silicon Aluminum / Diamater 3.998"-3.999" / 533 grams / Flat Top 4 Valve Relief
	Mahle "Drop In" Pistons Part # 930127800 (max oversize .020")
Rings	1.5mm x 2mm x 4mm
Wrist Pins	0.927
Connecting Rods	5.7" / 604.15 grams (+/- 10 grams) - Min Rod Weight 595 Grams
	Scat Pro Stock Part # 2-ICR5700P Min Weight 580 Grams
Block	GM Part # 10243880 / Casting # 10243880 - Cast Iron 4 Bolt Main
Bore	3.991" - 4.001"
Stroke	3.480" Minimum
Main Journal Size	2.448
Intake	GM Part # 12496822
Crankshaft	Forged Steel & Shot Peened - GM Part # 14088532 / Casting # 12670965 - 55 lbs.
	Scat Part # 4-350-3480-5700-L - Liberty Part # ZR-3500-L4340 353340
Vibration Dampner	Any SFI Approved Balancer - Allstar Performance Crank Hub Part # ALL90030
Balance	External
Deck Height	9.025" - Minimim Deck Height 9.020" - All +/- .001"
Heads	Aluminum - GM Part # 14175925 / Casting # 19417568 / Can use MLS gaskets
	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 Part # 12551483 or 19420455 / Dia. 1.32" / Wire Size .178" / Open Press. 260 lbs (+/- 8 lbs)
	Comp Cams Part # 941-16 (with inner spring removed) / PAC 1280x / PSI 1511
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	Approved Upgrade GM Part # 24502586 112.5 Degree Centerline
Cam Lobe Lift	.316" / .340"
Cam Duration	208 / 221 @ .050"
Lifters	GM Part # 5234890 or equivalent
Rocker Arms	1.6 Ratio Aluminum Roller Rockers
Push Rods	GM Part # 10241740 / 5/16" Diamater / 7.122" Length or equivalent
Oil Pump	GM Part # 14048272 or equivalent
Oil Pan	Factory Steel - Can be replaced with Champ Part # CP106LTRB
Maximum RPM	6500