

Corvette Rochester Quadrajets Carburetor Specifications

LOCATION	(STOCK)	FINAL	COMMENTS
Primary Jets		68	
Primary Needles		.035/.025	15/1 cruise, 15-16/1 off idle, 12.5/1 WOT
Frt mixture calibrator		0 turn out	Adjusted to achieve 15/1 cruise
Pri Venturi Bleed top (.120)		.067	
Pri Venturi Bleed side (.120)		.120	
Pri Venturi Bld @discharge		.044	
Blue Edlebrock Spring	10"Hg-4"Hg		Selected to be full lean for cruise at 12"Hg
Idle feed (.037)		.039	Possibly could have been bigger since transition is lean
Idle Restrictor (.052)		.067	Enlarging did not improve off idle (transition) richness much
Idle Bleed side (.070)		.070	Transition comes in immediately, allows small accl pump shot
Idle Adjuster hole		.093	.089 was OK
Idle adjuster screw		1 ½ turns out	13.0-14/1
Float Level		.406"	Raised to minimize upper gasket fuel wetting
Secondary Rod (.056 tip)		.052	

Mechanical Advance	12 to 30deg	start 1200RPM, Full 2800RPM, 9.8/1 cast heads	>pinging
Vacuum Advance	12"Hg all in	Adj to 12 deg, (1 turn CW = 2 deg move adv)	Proform 66952C
Idle Vacuum Level	12"Hg	Lowest idle in neutral	
Cruise Vacuum	15"Hg		

Note: 1st establish lowest vacuum in neutral; primary needles and vacuum advance in by lowest "Hg
 Check primary needle length, orig needles are .070 longer than smog era stepped needles
 Bend primary piston arms up to use longer needles
 Edlebrock primary springs do not fit inside power piston – drill to .221 for clearance