

Port Flow Analyzer v3.0
 Test: GM Iron 461 Joe
 Folder: M2RACE

M2 Race Systems
 www.m2race.com 732-751-1902
 Performance Trends (C) 1999

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Test Comments:

GM Iron SBC 461 Head
 Cyl 1 - As supplied, hand work done

Cyl 2 - M2 VJ
 Cyl 3 - Fully hand ported by customer with customer's valves

Report of:	Test Time		Tested at	Corr to	# Vlvs	Vlv Dia	Stem Dia	Port Area
Comparing	4:28 pm	Int:	28"	28.0"	1	2.020"	"	.00 sq in
3 Cylinders	03/12/2009	Exh:	28"	28.0"	1	1.600"	"	.00 sq in

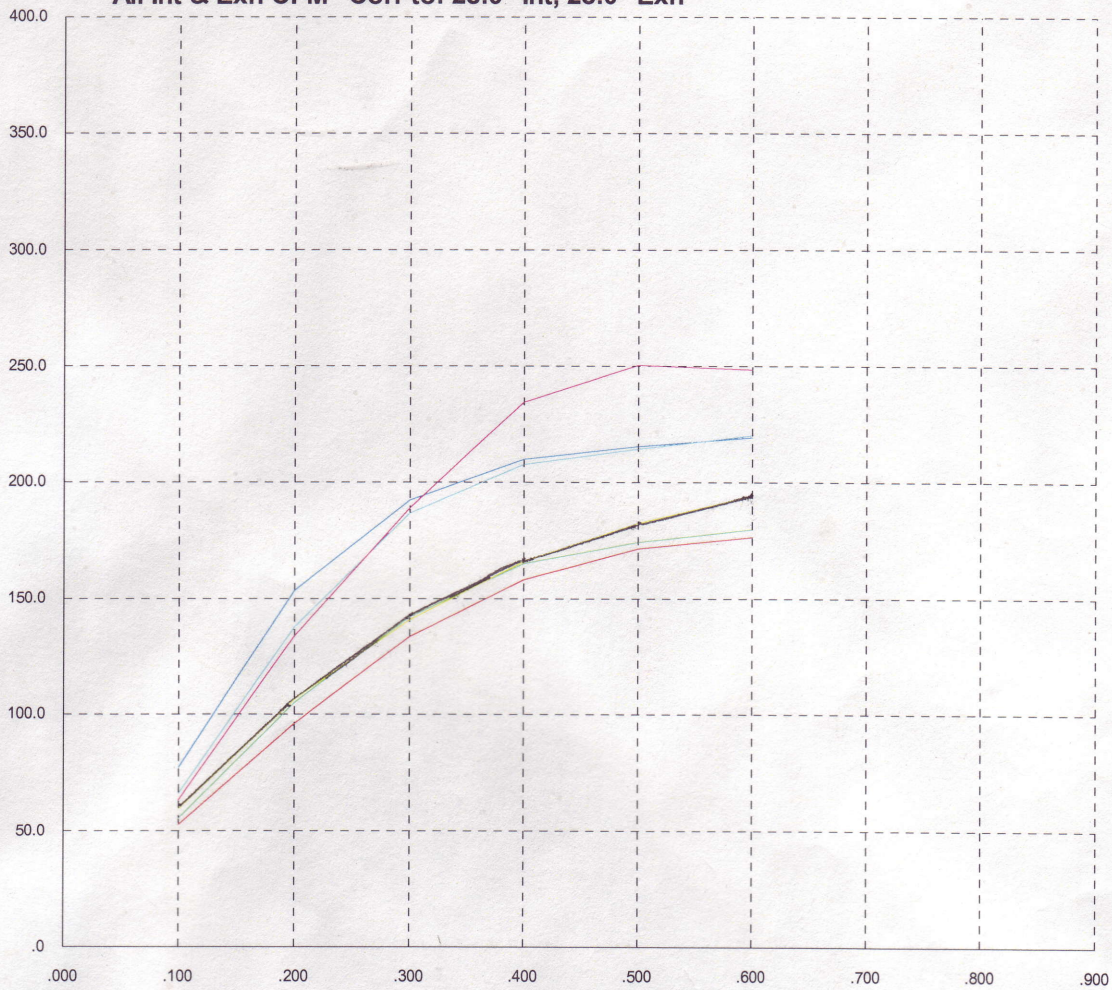
Port	Lift	L/D	Avg CFM	Cyl 1 CFM	Cyl 2 CFM	Cyl 3 CFM
Intake	.100	.050	68.7	77.0	65.9	63.1
Intake	.200	.099	141.4	153.3	137.5	133.4
Intake	.300	.149	189.2	192.2	186.7	188.7
Intake	.400	.198	217.1	209.6	207.2	234.3
Intake	.500	.248	226.5	215.1	213.9	250.3
Intake	.600	.297	229.1	219.1	219.7	248.6

Exhaust	.100	.063	55.8	55.3	52.7	59.3
Exhaust	.200	.125	102.2	104.6	96.0	106.0
Exhaust	.300	.188	138.5	141.8	133.2	140.4
Exhaust	.400	.250	162.9	165.0	158.0	165.7
Exhaust	.500	.313	175.8	174.0	171.2	182.1
Exhaust	.600	.375	183.3	179.5	176.4	193.9

Head File: Untitled
 Head Comments: *Intake port; used clay form radius*
Exhaust; open port, NO PIPE; exh flows ≈ 10% low

Head Number	GM Iron 461 Joe.001	Customer	M2 Race
Intake		Exhaust	
Layout:	1 valve & 1 port	Layout:	1 valve & 1 port
Valve Diameter, in	2.020	Valve Diameter, in	1.600
Stem Diameter, in		Stem Diameter, in	
Throat Diameter, in		Throat Diameter, in	
Avg Seat Angle, deg		Avg Seat Angle, deg	
Port Shape:		Port Shape:	
Port Volume, ccs		Port Volume, ccs	
Avg Port Diameter, in		Avg Port Diameter, in	
Avg Port Height, in		Avg Port Height, in	
Port Length, in		Port Length, in	

All Int & Exh CFM Corr to: 28.0" Int, 28.0" Exh



gm iron 461 joe
Cyl 1 Int CFM
Cyl 1 Exh CFM
Cyl 2 Int CFM
Cyl 2 Exh CFM
Cyl 3 Int CFM
Cyl 3 Exh CFM
Cyl 3 Exh CFM

ferrari

ford modular shebyg

15deg

Valve Lift