

SHORT BLOCK

Block: SBF	Bore: 4.030 in	Stroke: 3.400 in
Cylinders: 8	Cyl Vol: 710.69 cc	Total Vol: 347.0 ci

CYLINDER HEADS

Cylinder Heads:	Low Performance/Stock Ports And Valves		
Airflow File:	***		
Intake Valves:	1	Exhaust Valves:	1
Intake Valve:	1.840 in	Exhaust Valve:	1.540 in

COMPRESSION

Compression Ratio:	9.60	Combustion Space:	82.64 cc
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INDUCTION

Induction Flow:	500.0 cfm	@ 1.50 inHg	Fuel:	Gasoline	
Manifold Type:	Dual-Plane Manifold		N20:	0.0 lbs/min	
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Blower:	None		Intercooler:	*** %	
Flow:	*** cfm	Pressure Ratio:	***	Boost Limit:	*** psi
Speed:	*** rpm	Belt Gear Ratio:	***	Surge Flow:	*** cfm
Eff:	*** %	Internal Gear Ratio:	***		

EXHAUST

Exhaust System:	Small-Tube Headers With Mufflers
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CAMSHAFT

Camshaft Type:	Truck Cam	Cam File:	***
Lifter:	Roller	Lobe Center:	108.0
Cam Specs @:	0.050-Lift	Valve Overlap:	-8.0
Int Lift@Valve:	0.445 in	Int Duration:	206.0
Exh Lift@Valve:	0.445 in	Exh Duration:	210.0
Nominal Timing		Timing@ Adv(+)/Ret(-):	0.0
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IVO (BTDC):	-13.0	IVC (ABDC):	39.0
EVO (BBDC):	25.0	EVC (ATDC):	5.0
ICA (ATDC):	116.0	ECA (BTDC):	100.0

CYLINDER HEAD AIRFLOW DATA

Description: Low Performance/Stock Ports And Valves

Intake Valve

Test Diameter: 2.020 in
Pressure Drop: 25.0 inH2O

<u>Lift: in</u>	<u>Flow: cfm</u>
0.200	119.0
0.300	157.0
0.400	190.0
0.500	196.0
0.550	199.0
0.600	199.0
0.650	202.0
0.710	202.0
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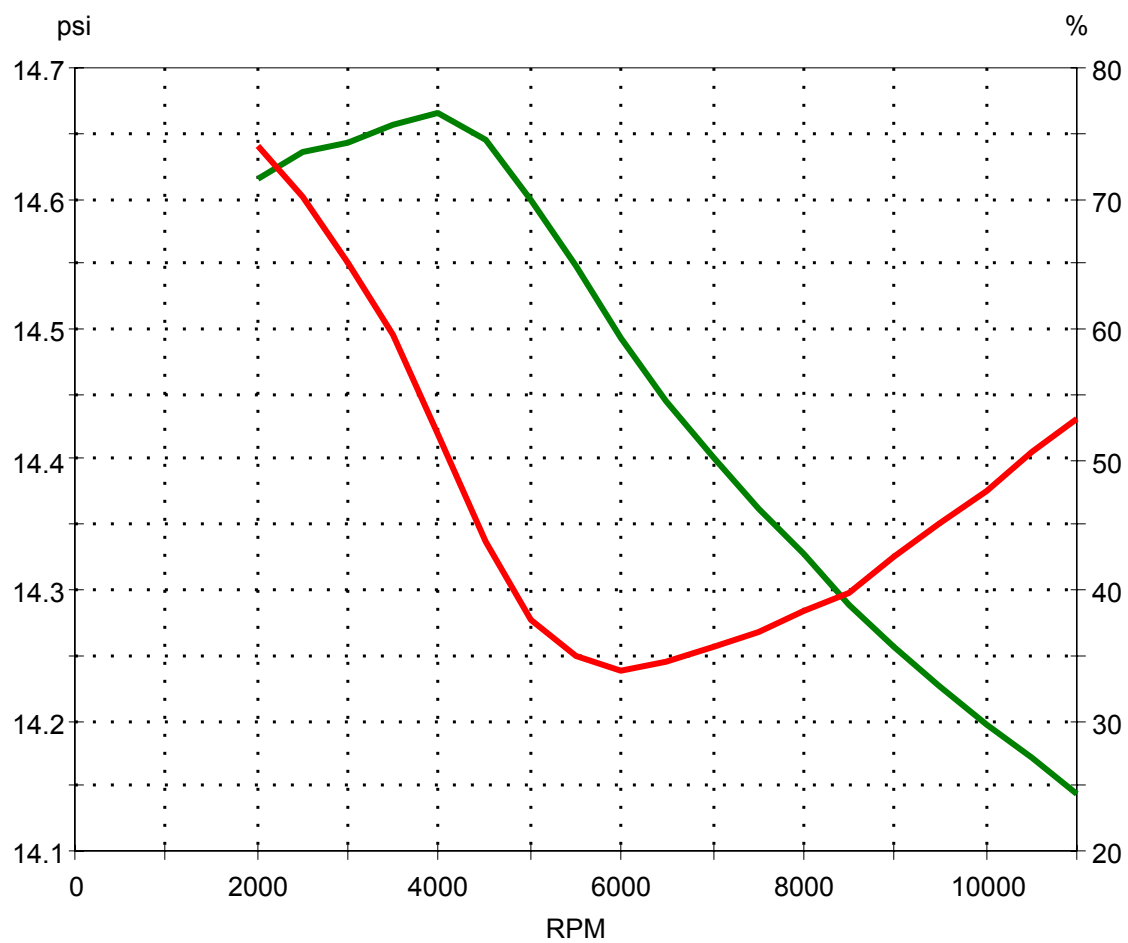
Exhaust Valve

Test Diameter: 1.600 in
Pressure Drop: 25.0 inH2O

<u>Lift: in</u>	<u>Flow: cfm</u>
0.200	87.0
0.300	104.0
0.400	111.0
0.500	116.0
0.550	117.0
0.600	117.0
0.650	118.0
0.710	118.0
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CALCULATED POWER AND ENGINE PRESSURES

Engine RPM	Power (Fly)	Torque (Fly)	Int Man Pressure	Vol Eff %	IMEP Pressure	FMEP Pressure	BMEP Pressure
2000	161	423	14.64	71.6	237.4	17.3	186.6
2500	198	417	14.60	73.5	224.3	18.6	183.6
3000	234	409	14.55	74.1	217.3	20.0	180.2
3500	265	398	14.49	75.6	209.1	21.6	175.3
4000	290	381	14.42	76.6	201.1	23.2	167.8
4500	295	344	14.34	74.5	185.6	25.0	151.5
5000	281	295	14.28	69.9	164.8	26.9	130.1
5500	261	249	14.25	64.9	145.2	28.8	109.8
6000	231	202	14.24	59.4	125.2	30.9	88.9
6500	199	160	14.24	54.5	108.1	33.1	70.7
7000	164	123	14.26	50.2	92.8	35.4	54.2
7500	125	88	14.27	46.2	78.6	37.7	38.6
8000	83	55	14.28	42.8	65.8	40.2	24.2
8500	32	19	14.30	38.9	51.9	42.8	8.6
9000	0	0	14.33	35.7	39.7	45.5	-5.5
9500	0	0	14.35	32.5	28.2	48.3	-19.0
10000	0	0	14.38	29.6	17.8	51.3	-31.5
10500	0	0	14.41	27.0	9.5	54.3	-42.2
11000	0	0	14.43	24.4	1.2	57.4	-53.0



— Manifold Pressure (psi)-Bronco 347 (HO cam).dyn
— Volumetric Eff. (%) -Bronco 347 (HO cam).dyn

