

ISO 5011 Tested to Make Sure You Maximize Airflow While Still Protecting Your Engine.

Part Number: 75-5088, 75-5088D

Description: Performance Intake Kit & Filter

Vehicle Applications: 2015–2016 GM Colorado / Canyon 3.6L V6

Gas

Test Date: 06/26/2017

Test Report #: 1, 2, 3, 4, 5, 6,

7, 8

TECHNICAL BULLETIN

(Auxiliary Scoop - Installed)

There is a lot of misinformation in the marketplace. S&B publishes specific test results for each of our intakes & filters as shown below, so you can make an informed decision. Remember, improving your airflow is only good if your engine is still protected. That's the S&B difference!

FACT: S&B Flows 37.58% Better than Stock

In tests performed in our climate controlled laboratory according to the ISO5011 Test Standard, S&B's intake kit (and filter) had significantly lower restriction (better airflow) than the stock intake system. See the graph on the next page.

WATCH OUT: Some competitors over state airflow.

If they state that their filter will flow, lets say 1000 cfm, without stating at what restriction level, they are trying to mislead you.

Description	% S&B Flowed Better than Stock (tested @ 346 cfm)
S&B Intake w/ Cleanable Filter (Secondary Inlet - Closed)	33.97%
S&B Intake w/ Cleanable Filter (Auxiliary Scoop - Installed)	37.58%
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)	33.18%
S&B Intake w/ Dry Filter	36.57%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	346 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13240C
Dust Feed Rate (grams/minute)	9.8

FACT: S&B Protects Your Engine

S&B tests at the highest rated CFM for your vehicle when determining the efficiency rate (amount of dust the filter stops), so that we can be sure that your engine will be protected.

Description	Efficiency Rate (tested @ 346 cfm)
Stock	99.69%
S&B Intake w/ Cleanable Filter	99.40%
S&B Intake w/ Dry Filter	99.67%

WATCH OUT: Some Competitors Use the Same

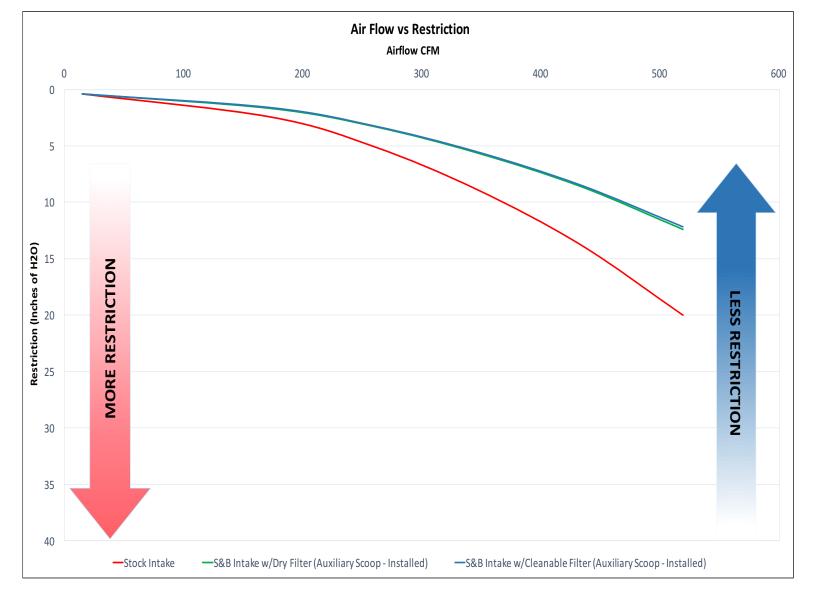
Efficiency Rates for Multiple Part Numbers.

Many send one filter off to a lab to be tested at a low cfm and then publish this efficiency rate for all of their part numbers.









Test #: 457 Sample #: 1 Filter #: 94775933

Housing #:

Date Code:

Operator: SD Report Date: 6/26/2017

Filter Mfg.: Housing Mfg.:

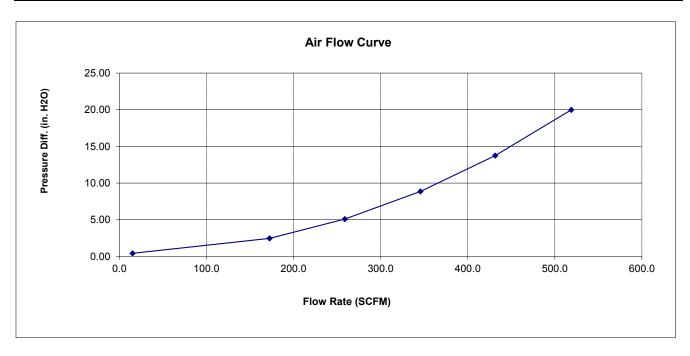


Test Description: STOCK INTAKE AND FILTER, NO SENSOR, NO CCV, AC DELCO# 94775933

Test Conditions

Barometric Pressure: 28.58057 in. Hg Air Flow Type: SCFM

Number of Pleats: Flow Direction: **Relative Humidity:** 48 % Temperature: 68 deg. F Pleat Depth: in.



Flow Rate	<u>Differential Pressure</u>
15	0.41
173	2.45
259	5.08
346	8.86
432	13.75
519	19.99

Test #: 457 Sample #: 3 Filter #: KF-1064 Housing #: 75-5088 Date Code: Operator: SD Report Date: 6/26/2017 Filter Mfg.:

Housing Mfg.:

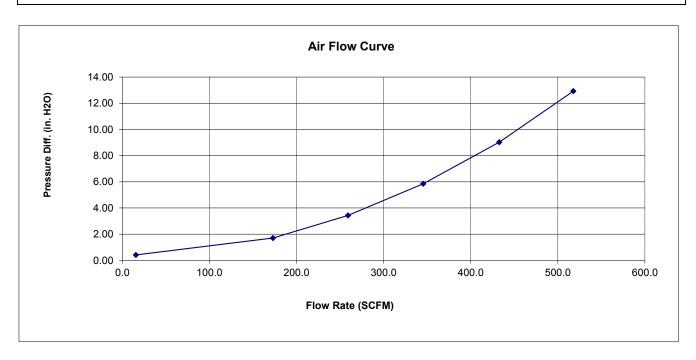


Test Description: 75-5088 PRODUCTION KIT, NO SENSOR, NO CCV, PLUG INSTALLED, KF-1064

Test Conditions

Barometric Pressure: 28.73183 in. Hg
Air Flow Type: SCFM

Number of Pleats: Flow Direction: Relative Humidity: 50 %
Temperature: 69 deg. F
Pleat Depth: in.



Flow Rate	<u>Differential Pressure</u>
15	0.41
173	1.71
259	3.43
346	5.85
433	9.03
518	12.93

Test #: 457 Sample #: 4 Filter #: KF-1064 Housing #: 75-5088 Date Code: Operator: SD Report Date: 6/26/2017 Filter Mfg.:

Filter Mfg.: Housing Mfg.:

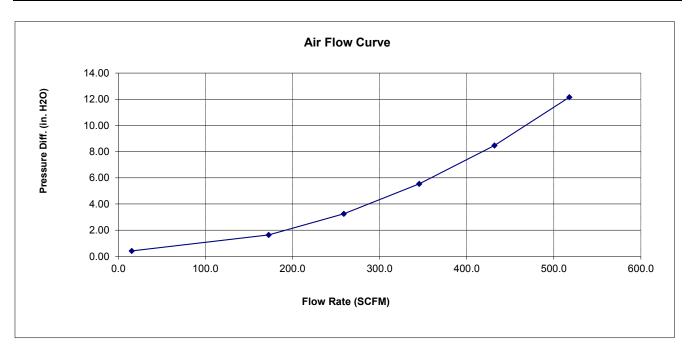


Test Description: 75-5088 PRODUCTION KIT, NO SENSOR, NO CCV, SCOOP INSTALLED, KF-1064

Test Conditions

Barometric Pressure: 28.73162 in. Hg **Air Flow Type:** SCFM

Number of Pleats: Flow Direction: Relative Humidity: 48 %
Temperature: 67 deg. F
Pleat Depth: in.



Flow Rate	<u>Differential Pressure</u>
15	0.42
173	1.63
259	3.25
346	5.53
432	8.47
518	12.16

Test #: 457 Sample #: 6 Filter #: KF-1064D Housing #: 75-5088

Date Code:

Operator: SD Report Date: 6/26/2017 Filter Mfg.:





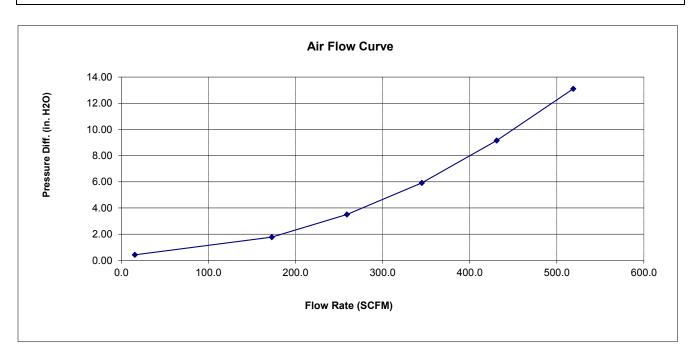
Test Description: 75-5088 PRODUCTION KIT, NO SENSOR, NO CCV, PLUG INSTALLED, KF-1064D

Test Conditions

Barometric Pressure: 28.79521 in. Hg Air Flow Type: SCFM Number of Pleats:

Flow Direction:

Relative Humidity: 45 % Temperature: 69 deg. F Pleat Depth: in.



Flow Rate	<u>Differential Pressure</u>
16	0.42
173	1.78
259	3.50
345	5.92
431	9.16
519	13.11

Test #: 457 Sample #: 7 Filter #: KF-1064D

Filter #: KF-1064D Housing #: 75-5088 Date Code: Operator: SD Report Date: 6/26/2017

Filter Mfg.: Housing Mfg.:

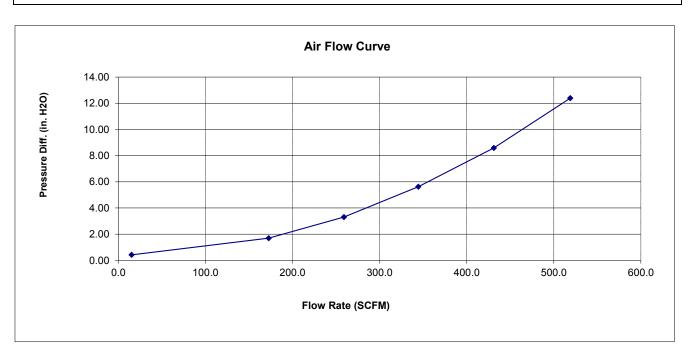


Test Description: 75-5088 PRODUCTION KIT, NO SENSOR, NO CCV, SCOOP INSTALLED, KF-1064D

Test Conditions

Barometric Pressure: 28.79641 in. Hg
Air Flow Type: SCFM
Number of Pleats: Relative Humidity: 45 %
Temperature: 69 deg. F

Flow Direction:



Flow Rate	<u>Differential Pressure</u>
15	0.42
173	1.70
259	3.30
345	5.62
431	8.59
519	12.39

Air Filter Full Life Efficiency Test Report

Test #: 457 Sample #: 2 Filter #: 94775933

Housing #:

Date Code:

Operator: SD Report Date: 6/26/2017

Filter Mfg.: Housing Mfg.:



Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR, AC DELCO #94775933

Test Conditions

Barometric Pressure: 28.573 in. Hg 346 SCFM Air Flow Setpoint:

Test Procedure:

Air Flow Type: SCFM **Test Endpoint:** 10 in. H2O

Number of Pleats:

Flow Direction:

Relative Humidity: 48 %

Type of Dust: A4 COARSE Batch #: 13240C

68 deg. F Temperature: **Initial Add Rate:** NaN g/min **Accumulative Add Rate:** 9.8 g/min

Pleat Depth: in.

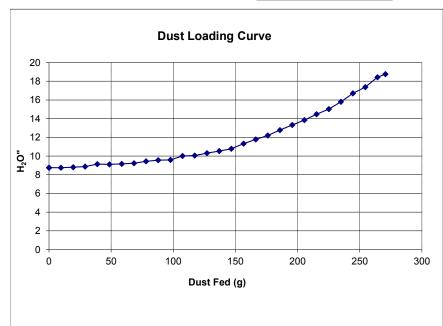
Test Results

Initial Delta P 8.90 in. H2O **Accumulative Capacity:** 270.50 g **Test Time:**

27.66 min

	Initial		Accumulative	;
		Blanket		Blanket
Start			5741.00	154.60
End			6011.50	155.45
Gain			270.50	0.85
Efficiency			99.69%	

Standard Restriction Pressure Differential



Dust Loading Curve Data		
Dust Fed (g)	Pressure ("H2O)	
0	8.754	
9.631	8.755	
19.51	8.803	
29.09	8.877	
38.906	9.126	
48.672	9.103	
58.527	9.154	
68.41	9.231	
78.098	9.428	
87.837	9.559	
97.763	9.59	
107.456	10.012	
117.241	10.052	
127.058	10.312	
137.032	10.524	
146.7	10.777	
156.515	11.319	
166.355	11.774	
176.022	12.195	
185.808	12.772	
195.732	13.322	
205.474	13.843	
215.22	14.47	
225.098	15.026	

Air Filter Full Life Efficiency Test Report

Test #: 457 Sample #: 5 Filter #: KF-1064 Housing #: 75-5088 Date Code: Operator: SD Report Date: 6/26/2017 Filter Mfg.: Housing Mfg.:



Test Description: 75-5088 PRODUCTION KIT, NO SENSOR, NO CCV, PLUG INSTALLED, KF-1064

Test Conditions

Barometric Pressure: 28.796 in. Hg
Air Flow Setpoint: 346 SCFM

Test Procedure:

Air Flow Type: SCFM
Test Endpoint: 10 in. H2O

Number of Pleats: Flow Direction: Relative Humidity: 45 % Type of Dust: A4 COARSE

Batch #: 13240C
Temperature: 67

Temperature: 67 deg. F
Initial Add Rate: NaN g/min
Accumulative Add Rate: 9.8 g/min
Pleat Depth: in.

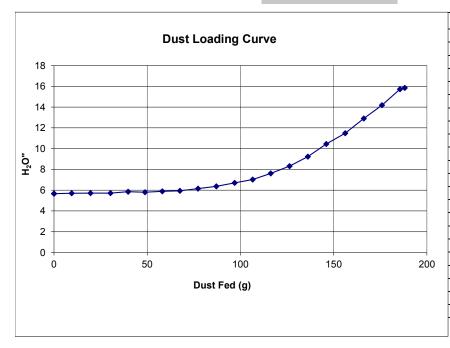
Test Results

Initial Delta P 5.83 in. H2O Accumulative Capacity: 186.40 g

Test Time: 19.23 min

	Initial		Accumulative	;
		Blanket		Blanket
Start			5492.40	145.00
End			5678.80	146.12
Gain			186.40	1.12
Efficiency			99 40%	

Standard RestrictionPressure Differential



Dust Loading Curve Data			
Dust Fed (g)	Pressure ("H2O)		
0	5.663		
9.512	5.704		
19.569	5.714		
30.322	5.722		
39.797	5.854		
48.833	5.8		
58.097	5.895		
67.503	5.937		
77.236	6.146		
87.047	6.374		
96.867	6.702		
106.593	7.022		
116.283	7.613		
126.356	8.312		
136.184	9.228		
146.017	10.444		
156.213	11.482		
166.191	12.904		
175.931	14.183		
185.593	15.73		
188.117	15.843		

Air Filter Full Life Efficiency Test Report

Test #: 457 Sample #: 8 Filter #: KF-1064D Housing #: 75-5088

Operator: SDS Report Date: 6/26/2017 Filter Mfg.: Housing Mfg.:



44 %

Date Code:

Test Description: 75-5088 PRODUCTION KIT, NO SENSOR, NO CCV, PLUG INSTALLED, KF-1064D

Test Conditions

Barometric Pressure: 28.797 in. Hg 346 SCFM Air Flow Setpoint:

Test Procedure:

Flow Direction:

Air Flow Type: SCFM **Test Endpoint:** 10 in. H2O

Number of Pleats:

Batch #: 13240C Temperature:

Relative Humidity:

67 deg. F **Initial Add Rate:** NaN g/min **Accumulative Add Rate:** 9.8 g/min

Type of Dust: A4 COARSE

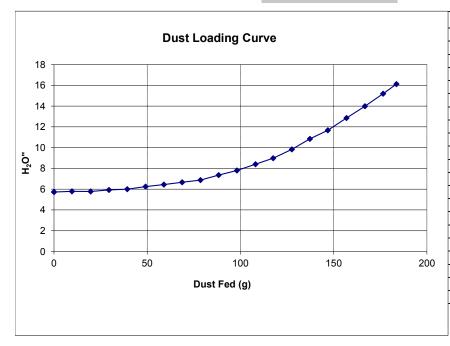
Pleat Depth: in.

Test Results

Initial Delta P 5.90 in. H2O **Accumulative Capacity:** 182.40 g **Test Time:** 18.73 min

Initial Accumulative Blanket Blanket 5414.20 142.40 Start 5596.60 End 143.00 182.40 0.60 Gain Efficiency 99.67%

> Standard Restriction Pressure Differential



Dust Loading Curve Data	
Dust Fed (g)	Pressure ("H2O)
0	5.726
9.646	5.795
19.642	5.78
29.505	5.923
39.262	6.006
49.14	6.252
58.917	6.444
68.732	6.668
78.53	6.878
88.327	7.35
98.13	7.794
108.082	8.403
117.575	8.978
127.598	9.833
137.228	10.842
146.885	11.665
156.864	12.849
166.76	13.984
176.539	15.197
183.701	16.121
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