

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

Part Number: 75-5060, 75-5060D

Description: Performance Intake Kit & Filter

Vehicle Applications: 2012 - 2017 Jeep Wrangler JK 3.6L

Test Date: 12/08/16

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

7, 8, 9, 10

TECHNICAL BULLETIN

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 46.78% 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 @ 325 cfm)	
S&B Intake w/ Cleanable Filter (Hood Seal Installed and Primary Inlet - Open)	46.78%	
S&B Intake w/ Cleanable Filter (Hood Seal Installed and Primary Inlet - Closed)	46.21%	
S&B Intake w/ Cleanable Filter (Clear Lid Installed and Primary Inlet - Open)	43.09%	
S&B Intake w/ Dry Filter (Hood Seal Installed and Primary Inlet - Open)	45.83%	
S&B Intake w/ Dry Filter (Hood Seal Installed and Primary Inlet - Closed)	45.08%	
S&B Intake w/ Dry Filter (Clear Lid Installed and Primary Inlet - Open)	41.67%	

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	325 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13099C
Dust Feed Rate (grams/minute)	9.2

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 @ 325 cfm)
Stock	99.72%
S&B Intake w/ Cleanable Filter	99.46%
S&B Intake w/ Dry Filter	99.74%

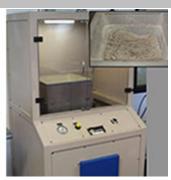
WATCH OUT: Some

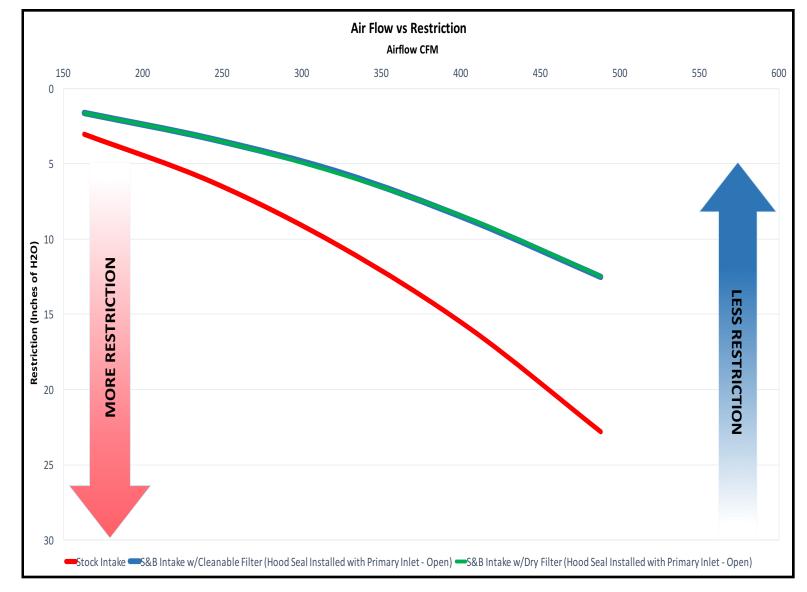
Competitors Use the Same Efficiency Rates for Multiple Part Numbers.

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.









441 Operator: SD Test #: Report Date: 12/8/2016 Sample #: 1 Filter #: 68257791AA-001

Housing #: Date Code:

Filter Mfg.: Housing Mfg.:

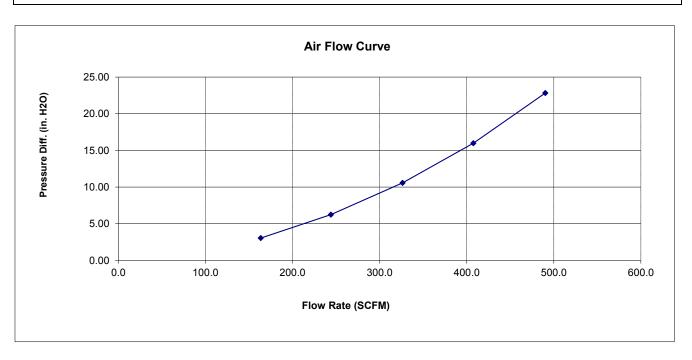


Test Description: STOCK INTAKE AND BOX, STOCK FILTER, NO CCV, NO SENSORS

Test Conditions

Barometric Pressure: 28.94329 in. Hg **Relative Humidity:** 48 % Air Flow Type: Temperature: 69 deg. F SCFM Number of Pleats: Pleat Depth: in.

Flow Direction:



Flow Rate	<u>Differential Pressure</u>
164	3.04
244	6.24
326	10.56
408	15.99
490	22.83

Test #: 441 Sample #: 2 Filter #: 75-5060 Housing #: KF-1057 Date Code: Operator: SD Report Date: 12/8/2016 Filter Mfg.: Housing Mfg.:



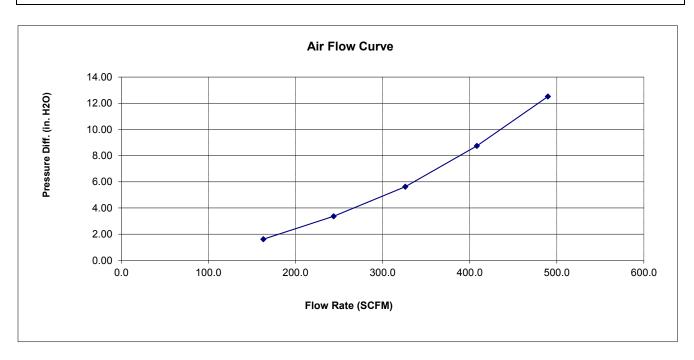
Test Description: 75-5060 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

Test Conditions

Barometric Pressure: 28.9354 in. Hg
Air Flow Type: SCFM

Number of Pleats: Flow Direction:

Relative Humidity: 48 %
Temperature: 69 deg. F
Pleat Depth: in.



Flow Rate	<u>Differential Pressure</u>
163	1.62
244	3.37
326	5.62
408	8.75
490	12.52

Test #: 441 Sample #: 3 Filter #: KF-1057 Housing #: 75-5060 Date Code:

Operator: SD **Report Date:** 12/8/2016 Filter Mfg.:

Housing Mfg.:



Test Description: 75-5060 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG INSTALLED, NO CCV, NO SENSORS

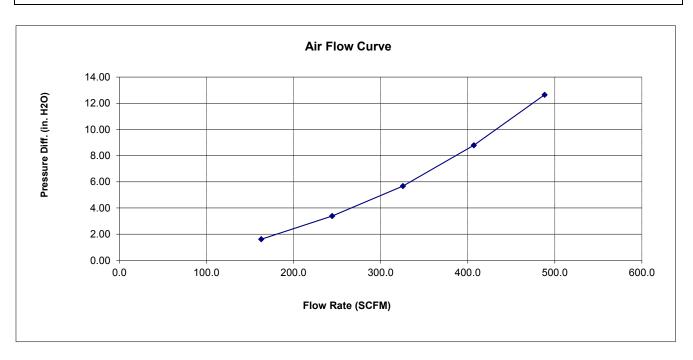
Test Conditions

Barometric Pressure: 28.93503 in. Hg Air Flow Type: SCFM

Number of Pleats:

Relative Humidity: 47 % Temperature: 69 deg. F Pleat Depth: in.

Flow Direction:



Flow Rate	<u>Differential Pressure</u>
163	1.61
244	3.39
326	5.68
407	8.79
488	12.65

Test #: 441 Sample #: 4 Filter #: KF-1057 Housing #: 75-5060 Date Code:

Operator: SD **Report Date:** 12/8/2016 Filter Mfg.: Housing Mfg.:



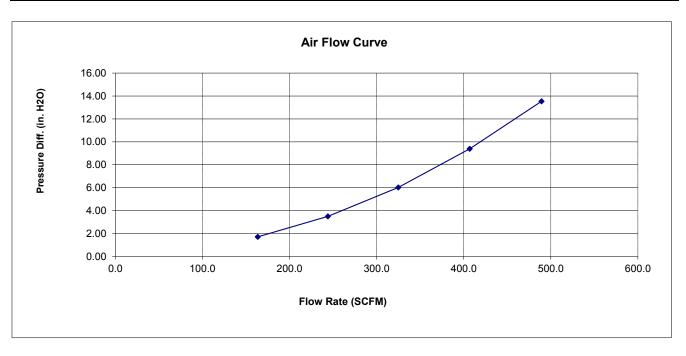
in.

Test Description: 75-5060 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

Test Conditions

Barometric Pressure: 28.92693 in. Hg **Relative Humidity:** 48 % Air Flow Type: Temperature: SCFM 68 deg. F Number of Pleats: Pleat Depth:

Flow Direction:



Flow Rate	<u>Differential Pressure</u>
164	1.70
244	3.49
325	6.01
407	9.39
489	13.54

Test #: 441 Sample #: 5 Filter #: KF-1057D Housing #: 75-5060

Date Code:

Operator: SD Report Date: 12/8/2016 Filter Mfg.: Housing Mfg.:

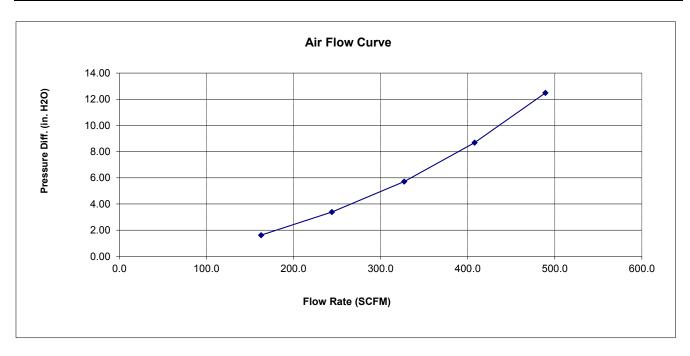


Test Description: 75-5060 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

Test Conditions

Barometric Pressure: 28.90646 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>
163	1.62
244	3.38
327	5.72
408	8.69
489	12.49

Test #: 441 Sample #: 6 Filter #: KF-1057D Housing #: 75-5060 Date Code:

Operator: SD **Report Date:** 12/8/2016 Filter Mfg.: Housing Mfg.:



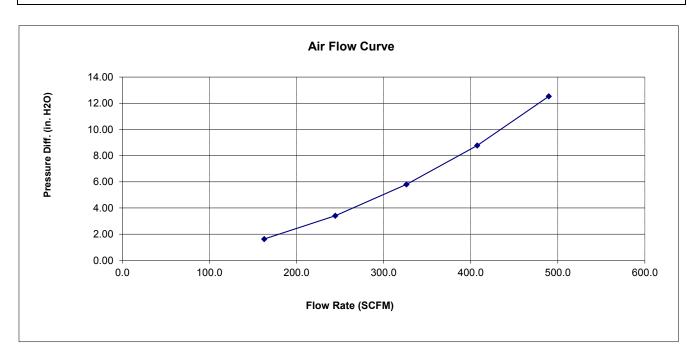
Test Description: 75-5060 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG INSTALLED, NO CCV, NO SENSORS, KF-10f

Test Conditions

Barometric Pressure: 28.9045 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>
163	1.63
245	3.41
326	5.80
408	8.77
490	12.53

Test #: 441 Sample #: 7 Filter #: KF-1057 Housing #: 75-5060 Date Code: Operator: SD Report Date: 12/8/2016 Filter Mfg.: Housing Mfg.:

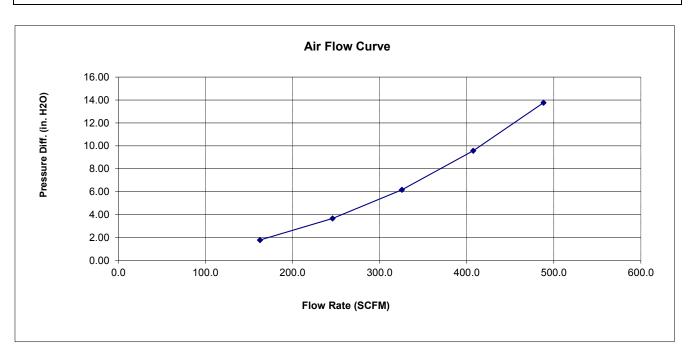


Test Description: 75-5060 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

Test Conditions

Barometric Pressure: 28.90834 in. Hg Relative Humidity: 48 %
Air Flow Type: SCFM Temperature: 68 deg. F
Number of Pleats: Pleat Depth: in.

Flow Direction:



Flow Rate	<u>Differential Pressure</u>
163	1.77
246	3.65
326	6.16
408	9.57
488	13.77

Air Filter Full Life Efficiency Test Report

441 Operator: SD Test #: Sample #: 8 **Report Date:** 12/8/2016 Filter #: 68257791AA-001

Housing #: Date Code:

Filter Mfg.: Housing Mfg.:



Test Description: STOCK INTAKE AND BOX, STOCK FILTER, NO CCV, NO SENSORS

Test Conditions

Barometric Pressure: 28.916 in. Hg **Relative Humidity:** 48 % Type of Dust: A4 COARSE 325 SCFM Air Flow Setpoint: **Test Procedure:** Batch #: 13099C

Air Flow Type: Temperature: 68 deg. F SCFM **Test Endpoint:** 10 in. H2O **Initial Add Rate:** NaN g/min **Number of Pleats: Accumulative Add Rate:** 9.2 g/min Flow Direction: Pleat Depth: in.

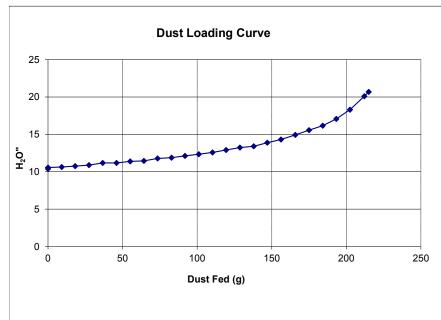
Test Results

Initial Delta P 10.38 in. H2O **Accumulative Capacity:** 213.70 g

Test Time: 23.32 min

	Initial		Accumulative	;
		Blanket		Blanket
Start			2658.70	144.32
End			2872.40	144.92
Gain			213.70	0.60
Efficiency			99 72%	

Standard Restriction Pressure Differential



Dust Loading Curve Data		
Dust Fed (g)	Pressure ("H2O)	
0	10.562	
9.213	10.634	
18.255	10.746	
27.466	10.882	
36.675	11.179	
45.947	11.173	
55.154	11.385	
64.311	11.454	
73.489	11.768	
82.816	11.881	
91.843	12.109	
101.135	12.336	
110.285	12.572	
119.405	12.91	
128.686	13.226	
137.892	13.397	
147.046	13.887	
156.233	14.311	
165.817	14.929	
175.012	15.56	
184.185	16.153	
193.321	17.057	
202.5	18.29	
212.056	20.09	
	•	

Air Filter Full Life Efficiency Test Report

Test #: 441 Sample #: 9 Filter #: KF-1057D Housing #: 75-5060

Date Code:

Operator: SD Report Date: 12/8/2016 Filter Mfg.: Housing Mfg.:



Test Description: 75-5060 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS, KF-1057D

Test Conditions

Barometric Pressure: 28.928 in. Hg
Air Flow Setpoint: 325 SCFM

Test Procedure:

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

Number of Pleats: Flow Direction:

Relative Humidity: 50 %
Type of Dust: A4 COARSE
Batch #: 13099C

Temperature: 68 deg. F Initial Add Rate: NaN g/min Accumulative Add Rate: 9.2 g/min

Pleat Depth: in.

Test Results

Initial Delta P 6.13 in. H2O

Efficiency

Accumulative Capacity: 178.10 g
Test Time: 19.43 min

 Initial
 Accumulative

 Blanket
 Blanket

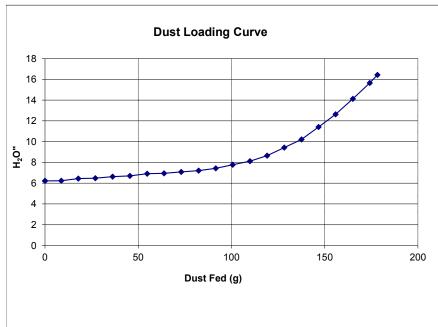
 Start
 3211.70
 144.92

 End
 3389.80
 145.38

 Gain
 178.10
 0.46

99.74%

Standard RestrictionPressure Differential



Dust Loading Curve Data			
Dust Fed (g)	Pressure ("H2O)		
0	6.219		
8.74	6.233		
17.884	6.44		
27.024	6.485		
36.299	6.626		
45.527	6.706		
54.8	6.917		
63.899	6.952		
73.062	7.08		
82.427	7.214		
91.604	7.428		
100.64	7.778		
109.96	8.123		
119.129	8.653		
128.324	9.424		
137.626	10.214		
146.747	11.415		
155.869	12.635		
165.097	14.122		
174.217	15.646		
178.295	16.424		

Air Filter Full Life Efficiency Test Report

Test #: 441 **Sample #:** 10 Filter #: KF-1057 Housing #: 75-5060

Date Code:

Operator: SD **Report Date:** 12/8/2016 Filter Mfg.: Housing Mfg.:



50 %

Test Description: 75-5060 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS, KF-1057

Test Conditions

Barometric Pressure: 29.093 in. Hg 325 SCFM Air Flow Setpoint:

Test Procedure:

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

Flow Direction:

Number of Pleats:

Type of Dust: A4 COARSE Batch #: 13099C Temperature:

Relative Humidity:

69 deg. F **Initial Add Rate:** NaN g/min **Accumulative Add Rate:** 9.2 g/min

Pleat Depth: in.

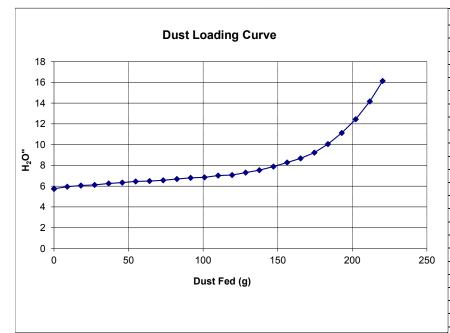
Test Results

Initial Delta P 5.65 in. H2O **Accumulative Capacity:** 219.00 g

Test Time: 23.96 min

	Initial	Initial		Accumulative	
		Blanket		Blanket	
Start			3264.20	145.38	
End			3483.20	146.57	
Gain			219.00	1.19	
Efficiency			99.46%		

Standard Restriction Pressure Differential



Dust Loading Curve Data		
Dust Fed (g)	Pressure ("H2O)	
0	5.748	
8.869	5.956	
18.052	6.063	
27.253	6.121	
36.629	6.256	
45.738	6.346	
54.786	6.455	
64.047	6.487	
73.238	6.573	
82.407	6.685	
91.608	6.805	
100.988	6.851	
110.081	7.022	
119.409	7.068	
128.475	7.311	
137.642	7.543	
147.138	7.884	
156.29	8.282	
165.31	8.672	
174.589	9.233	
183.659	10.061	
192.945	11.124	
202.265	12.447	
211.765	14.162	

