

Automotive & Powersports THE FACTS ABOUT YOUR INTAKE & AIR

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

Part Number: 75–5084, 75–5084D Description: Performance Intake Kit & Filter Vehicle Applications: 2007 – 2011 Jeep Wrangler JK 3.8L **Test Date:** 12/09/16 **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 70.09% 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 @ 279 cfm)
S&B Intake w/ Cleanable Filter (Hood Seal Installed and Primary Inlet - Open)	70.09%
S&B Intake w/ Cleanable Filter (Hood Seal Installed and Primary Inlet - Closed)	69.83%
S&B Intake w/ Cleanable Filter (Clear Lid Installed and Primary Inlet - Open)	66.64%
S&B Intake w/ Dry Filter (Hood Seal Installed and Primary Inlet - Open)	69.83%
S&B Intake w/ Dry Filter (Hood Seal Installed and Primary Inlet - Closed)	69.48%
S&B Intake w/ Dry Filter (Clear Lid Installed and Primary Inlet - Open)	65.78%

TEST CONDITIONS

Barometric Pressure	28.98
Airflow Setpoint	279 cfm
Relative Humidity	50
Temperature	70.2F
Type of Dust	ISO Coarse
Batch #	13099C
Dust Feed Rate (grams/minute)	7.90

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.

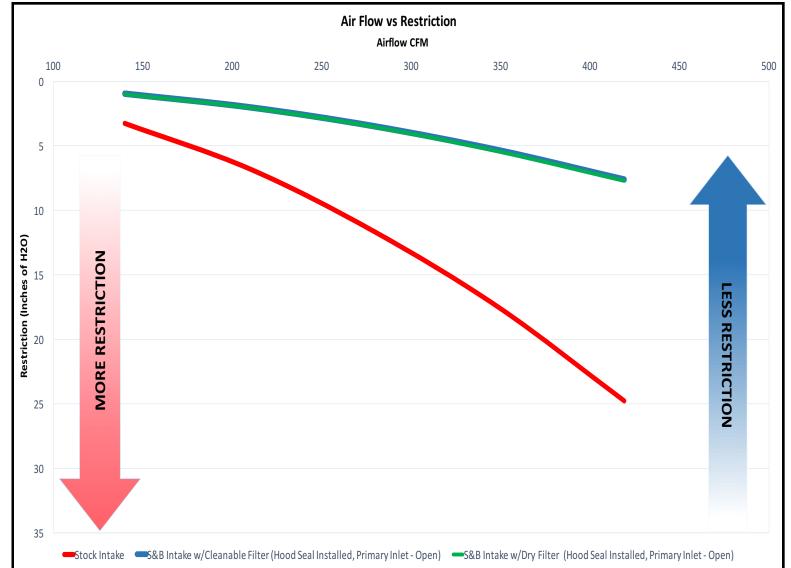
Description	Efficiency Rate (tested @ 279 cfm)
Stock	99.86%
S&B Intake w/ Cleanable Filter	99.51%
S&B Intake w/ Dry Filter	99.64%

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.



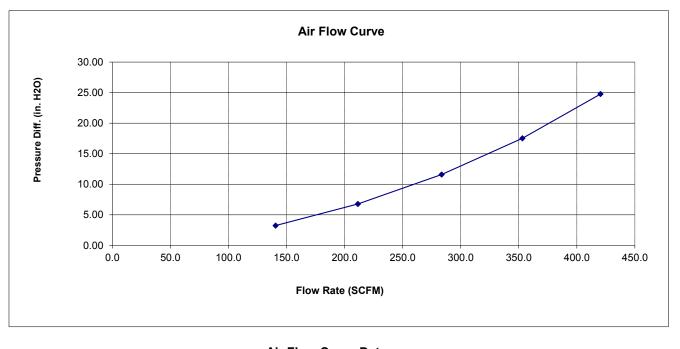


Test #: 442 Sample #: 1 Filter #: 68257791AA-001 Housing #: Date Code: Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:



Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR

Test Conditions				
Barometric Pressure:	28.92616 in. Hg	Relative Humidity:	50 %	
Air Flow Type:	SCFM	Temperature:	68 deg. F	
Number of Pleats: Flow Direction:		Pleat Depth:	in.	



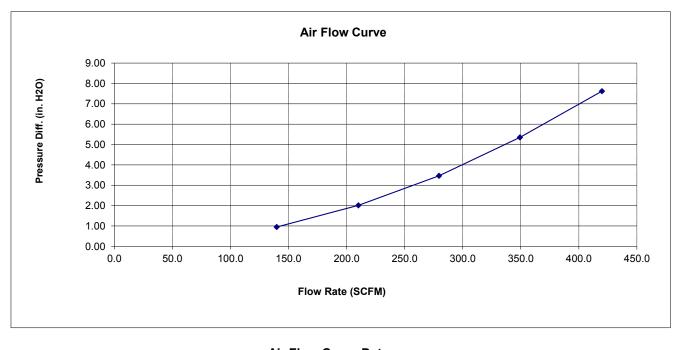
Air Flow Curve Data		
Flow Rate Differential Pressure		
141	3.24	
211	6.78	
284	11.60	
353	17.52	
420	24.76	

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:



Test Description: 75-5084 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSOR

Test Conditions			
Barometric Pressure: Air Flow Type: Number of Pleats:	SCFM	Relative Humidity: Temperature: Pleat Depth:	49 % 69 deg. F in.
Flow Direction:		Fleat Deptil.	



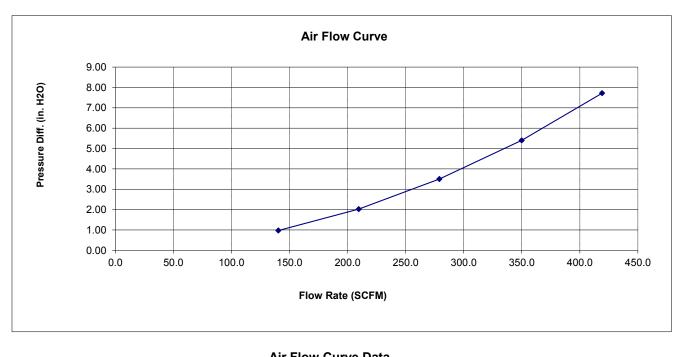
Air Flow Curve Data		
Flow Rate	Differential Pressure	
140	0.95	
210	2.01	
280	3.47	
349	5.35	
420	7.62	

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:



Test Description: 75-5084 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG INSTALLED, NO CCV, NO SENSORS

		Test Conditions	
Barometric Pressure: Air Flow Type:	•	Relative Humidity: Temperature:	48 % 68 deg. F
Number of Pleats: Flow Direction:		Pleat Depth:	in.



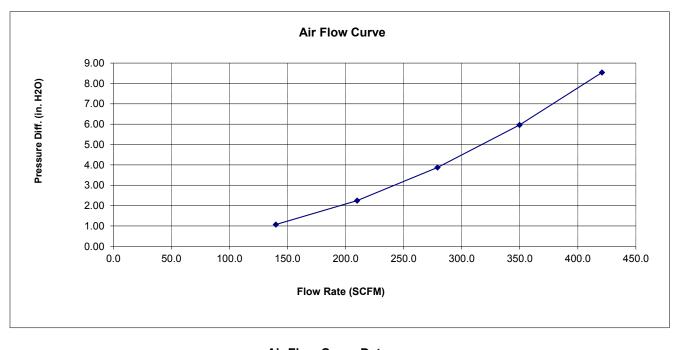
Air Flow Curve Data		
Flow Rate	Differential Pressure	
140	0.97	
210	2.03	
279	3.50	
350	5.40	
419	7.72	

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:



Test Description: 75-5084 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

Test Conditions				
Barometric Pressure: Air Flow Type:	0	Relative Humidity: Temperature:	48 % 69 deg. F	
Number of Pleats: Flow Direction:		Pleat Depth:	in.	



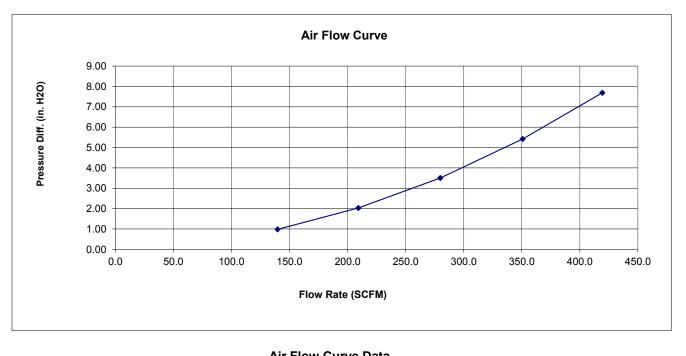
Air Flow Curve Data		
Flow Rate	Differential Pressure	
140	1.07	
210	2.25	
279	3.87	
350	5.96	
421	8.54	

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:



Test Description: 75-5084 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSOR

Test Conditions			
Barometric Pressure:	0	Relative Humidity:	48 %
Air Flow Type:	SCFM	Temperature:	69 deg. F
Number of Pleats: Flow Direction:		Pleat Depth:	in.



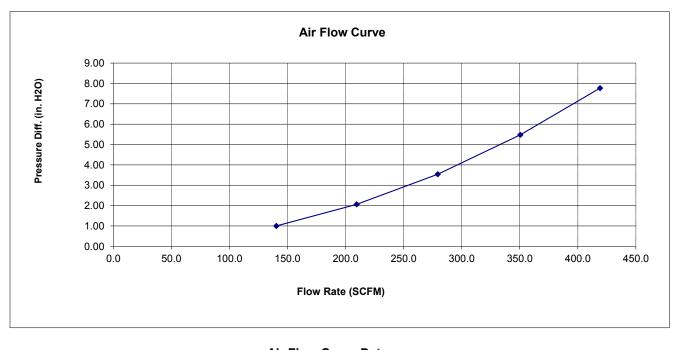
Air Flow Curve Data				
Flow Rate	Differential Pressure			
140	0.98			
209	2.03			
280	3.50			
351	5.42			
419	7.69			

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:



Test Description: 75-5084 PRODUCTION KIT, HOOD SEAL INSTALLED, AIR BOX PLUG INSTALLED, NO CCV, NO SENSOR

	Test Conditions						
Barometric Pressure: Air Flow Type: Number of Pleats: Flow Direction:	5	Relative Humidity: Temperature: Pleat Depth:	49 % 69 deg. F in.				



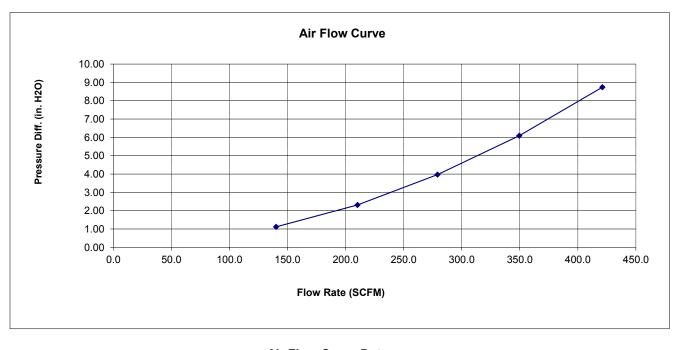
Air Flow Curve Data					
Flow Rate	Differential Pressure				
140	1.00				
210	2.06				
279	3.54				
350	5.48				
419	7.77				

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:



Test Description: 75-5084 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

Test Conditions						
Barometric Pressure:	0	Relative Humidity:	49 %			
Air Flow Type: Number of Pleats:	SCEM	Temperature: Pleat Depth:	69 deg. F in.			
Flow Direction:						



Air Flow Curve Data					
Flow Rate	Differential Pressure				
140	1.12				
210	2.32				
279	3.97				
350	6.09				
421	8.74				

Air Filter Full Life Efficiency Test Report

 Test #:
 442

 Sample #:
 8

 Filter #:
 68257791AA-001

 Housing #:
 Date Code:

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:

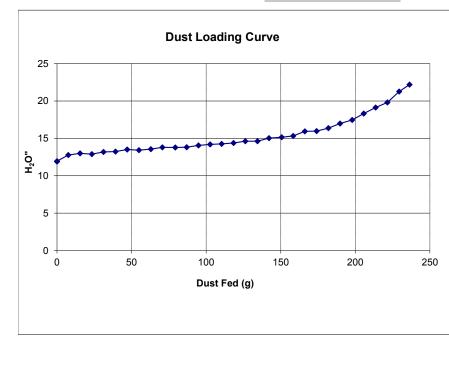


Test Description: STOCK INTAKE AND FILTER, NO CCV, NO SENSOR

		Tes	st Conditio	ns			
Barometric Pressure:	29.037 in. Hg			Relative	Humidity:	50 9	%
Air Flow Setpoint:	279 SCFM		Type of Dust: A4 COARSE				
Test Procedure:					Batch #:	13099C	
Air Flow Type:	SCFM			Ter	mperature:	68 0	deg. F
Test Endpoint:	10 in. H2O			Initial	Add Rate:	NaN g	g/min
Number of Pleats:				Accumulative	Add Rate:	7.9 g	g/min
Flow Direction:				PI	eat Depth:	i	n.
		Т	est Result	S			
Initial Delta P	11.76 in. H2O			Accumulative	Capacity:	234.20	a
					Test Time:	•	
		Initial		Accumulative	9		
			Blanket		Blanket		
	Start			1745.40	146.62		
	End			1979.60	146.95		
	Gain			234.20	0.33		
	Efficiency			99.86%			

Standard Restriction

C Pressure Differential



Dust Loading Curve Data				
Dust Fed (g)	Pressure ("H2O)			
0	11.945			
7.589	12.761			
15.443	12.984			
23.341	12.879			
31.219	13.171			
39.218	13.228			
47.047	13.497			
54.923	13.417			
62.935	13.558			
70.639	13.798			
79.348	13.777			
86.964	13.813			
94.828	14.046			
102.636	14.182			
110.384	14.253			
118.329	14.378			
126.245	14.62			
134.377	14.614			
142.105	15.034			
150.592	15.147			
158.376	15.319			
166.201	15.931			
174.028	15.963			
181.968	16.366			

Air Filter Full Life Efficiency Test Report

 Test #:
 442

 Sample #:
 9

 Filter #:
 KF-1057D

 Housing #:
 75-5084

 Date Code:

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:

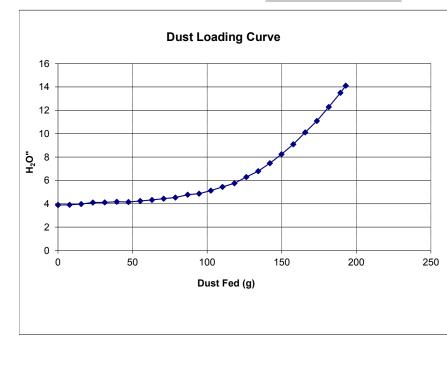


Test Description: 75-5084 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

		Test	Condition	S			
Barometric Pressure:	29.041 in. Hg			Relative	Humidity:	49	%
Air Flow Setpoint:	279 SCFM			Тур	be of Dust:	A4 COARSE	
Test Procedure:					Batch #:	13099C	
Air Flow Type:	SCFM			Ter	nperature:	69	deg. F
Test Endpoint:	10 in. H2O			Initial	Add Rate:	NaN	g/min
Number of Pleats:			А	ccumulative	Add Rate:	7.9	g/min
Flow Direction:				PI	eat Depth:		in.
		Те	st Results				
Initial Delta P	3.80 in. H2O			ccumulative	Capacity:	192.40	a
					Test Time:	24.46	•
		Initial		Accumulative	9		
			Blanket		Blanket		
	Start			2926.70	146.95		
	End			3119.10	147.64		
	Gain			192.40	0.69		
	Efficiency			99.64%			

Standard Restriction

Pressure Differential



Dust Loading Curve Data					
Dust Fed (g)	Pressure ("H2O)				
0	3.894				
7.743	3.914				
15.572	3.972				
23.385	4.103				
31.392	4.116				
39.385	4.174				
47.261	4.154				
55.102	4.243				
63.048	4.327				
70.789	4.431				
78.698	4.536				
86.939	4.77				
94.602	4.861				
102.472	5.123				
110.313	5.441				
118.296	5.745				
126.258	6.286				
134.239	6.79				
142.07	7.475				
149.827	8.236				
157.738	9.089				
165.71	10.109				
173.533	11.087				
181.498	12.275				

Air Filter Full Life Efficiency Test Report

Operator: SD Report Date: 12/9/2016 Filter Mfg.: Housing Mfg.:

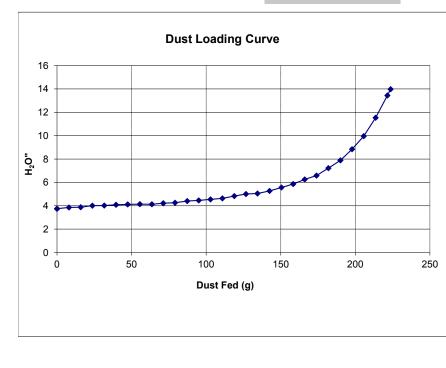


Test Description: 75-5084 PRODUCTION KIT, LID INSTALLED, AIR BOX PLUG REMOVED, NO CCV, NO SENSORS

		Test Co	nditions				
Barometric Pressure:	29.049 in. Hg			Relative	Humidity:	50	%
Air Flow Setpoint:	279 SCFM	Type of Dust: A4 COARSE					
Test Procedure:					Batch #:	13099C	
Air Flow Type:	SCFM			Tei	mperature:	68	deg. F
Test Endpoint:	10 in. H2O			Initial	Add Rate:	NaN	g/min
Number of Pleats:			Acc	umulative	Add Rate:	7.9	g/min
Flow Direction:				P	leat Depth:		in.
		Test R	lesults				
Initial Delta P	3.64 in. H2O		Ac	cumulative	e Capacity:	221.90	a
					Test Time:	28.29	0
		Initial	A	ccumulative	Э		
		Bla	nket		Blanket		
	Start			3052.70	137.82		
	End			3274.60	138.90		
	Gain			221.90	1.08		
	Efficiency			99.51%			

Standard Restriction

C Pressure Differential



Dust Loading Curve Data				
Dust Fed (g)	Pressure ("H2O)			
0	3.749			
8.014	3.85			
15.89	3.872			
23.711	4.01			
31.687	4.017			
39.582	4.086			
47.401	4.113			
55.575	4.141			
63.631	4.132			
71.291	4.219			
79.191	4.259			
87.272	4.403			
95.068	4.46			
102.947	4.543			
110.884	4.627			
118.908	4.826			
126.696	5.005			
134.423	5.046			
142.444	5.27			
150.451	5.559			
158.364	5.861			
166.069	6.254			
173.943	6.587			
181.944	7.218			

