



# THE FACTS ABOUT YOUR INTAKE & AIR FILTER

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

<b>Part Number:</b>	<b>Test Date:</b>
<b>Description:</b>	<b>Test Report #:</b>
<b>Vehicle Applications:</b>	

## 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!

<p><b>FACT: S&amp;B Flows _____ Better than Stock.</b>          In tests performed in our climate controlled laboratory according to the ISO5011 Test Standard, S&amp;B's intake kit (and filter) had significantly lower restriction (better airflow) than the stock intake system. See the graph on the next page.</p>	<p><b>WATCH OUT: Some competitors overstate airflow.</b>          If they state that their filter will flow, let's say 1000 cfm, without stating at what restriction level, they are trying to mislead you.</p>
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Description	% S&B Flowed Better than Stock (tested @ _____ cfm)	Test Conditions
S&B Intake w/ Oiled Filter (Secondary Inlet - Open)		Barometric Pressure
S&B Intake w/ Oiled Filter (Secondary Inlet - Closed)		Airflow Setpoint
S&B Intake w/ Dry Filter (Secondary Inlet - Open)		Relative Humidity
S&B Intake w/ Dry Filter (Secondary Inlet - Closed)		Temperature
		Type of Dust
		Batch #
		Dust Feed Rate (grams/minute)

<p><b>FACT: S&amp;B Protects Your Engine</b>          S&amp;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</p>	<table border="1"> <thead> <tr> <th>Description</th> <th>Efficiency Rate (Tested @ _____ cfm)</th> </tr> </thead> <tbody> <tr> <td>Stock</td> <td></td> </tr> <tr> <td>S&amp;B Intake w/ Cleanable Filter</td> <td></td> </tr> <tr> <td>S&amp;B Intake w/ Dry Filter</td> <td></td> </tr> </tbody> </table>	Description	Efficiency Rate (Tested @ _____ cfm)	Stock		S&B Intake w/ Cleanable Filter		S&B Intake w/ Dry Filter		<p><b>WATCH OUT: Some Competitors Use the Same Efficiency Rates for Multiple Part Numbers</b>          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</p>
Description	Efficiency Rate (Tested @ _____ cfm)									
Stock										
S&B Intake w/ Cleanable Filter										
S&B Intake w/ Dry Filter										

# Air Filter Restriction Test Report

Test #: 753  
Sample #: 7  
Filter #: KF-1050  
Housing #: 75-5104  
Date Code: 43635

BEN L  
6/19/2019  
S&B FILTERS  
S&B FILTERS



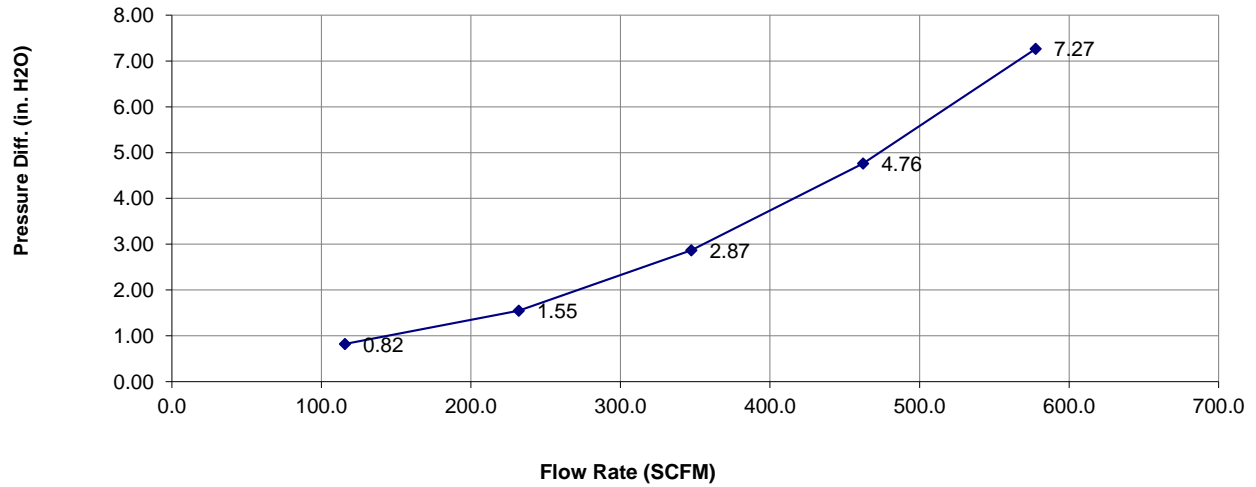
Test Description: RESTRICTION WITH OILED FILTER AND BOX PLUG INSTALLED

## Test Conditions

Barometric Pressure: 28.8772 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 60 %  
Temperature: 68 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
116	0.82
232	1.55
347	2.87
462	4.76
578	7.27

# Air Filter Restriction Test Report

Test #: 753  
Sample #: 6  
Filter #: KF-1050D  
Housing #: 75-5104  
Date Code: 43635

BEN L  
6/19/2019  
S&B FILTERS  
S&B FILTERS



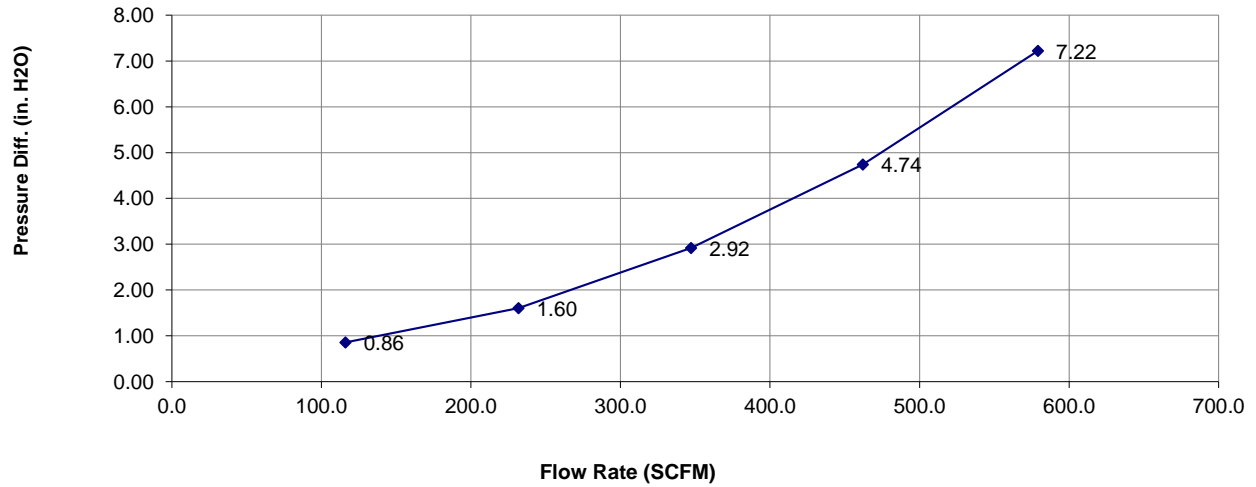
Test Description: RESTRICTION WITH DRY FILTER AND BOX PLUG INSTALLED

## Test Conditions

Barometric Pressure: 28.8785 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 59 %  
Temperature: 68 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
116	0.86
232	1.60
347	2.92
462	4.74
579	7.22

# Air Filter Restriction Test Report

Test #: 753  
Sample #: 8  
Filter #: KF-1050  
Housing #: 75-5104  
Date Code: 43635

BEN L  
8/16/2019  
S&B FILTERS  
S&B FILTERS



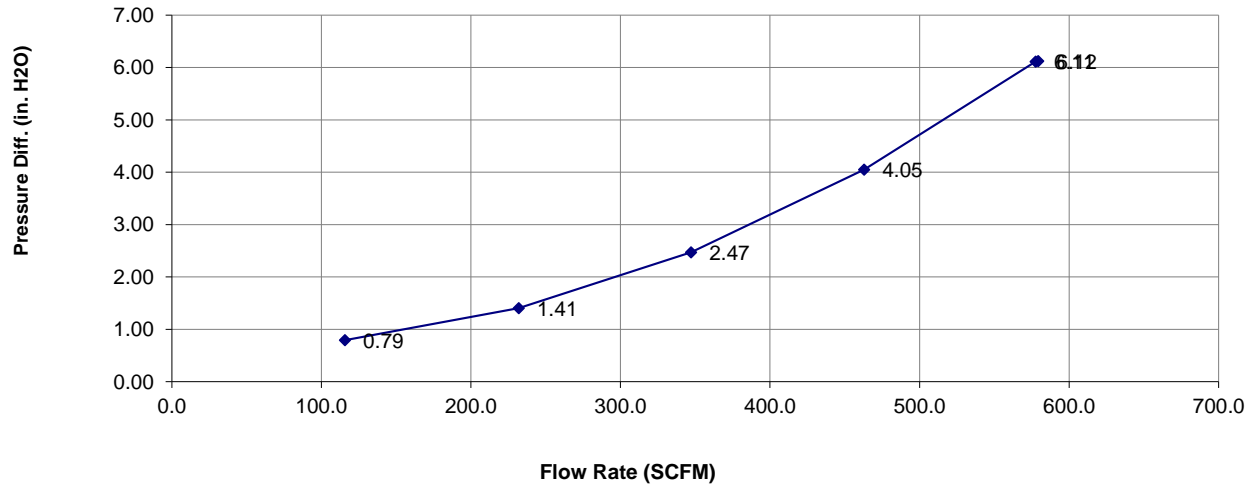
Test Description: RESTRICTION WITH OILED FILTER AND BOX PLUG UNINSTALLED

## Test Conditions

Barometric Pressure: 28.87638 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 59 %  
Temperature: 68 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
116	0.79
232	1.41
347	2.47
463	4.05
578	6.11
579	6.12

# Air Filter Restriction Test Report

Test #: 753  
Sample #: 9  
Filter #: KF-1050D  
Housing #: 75-5104  
Date Code: 43635

BEN L  
6/19/2019  
S&B FILTERS  
S&B FILTERS



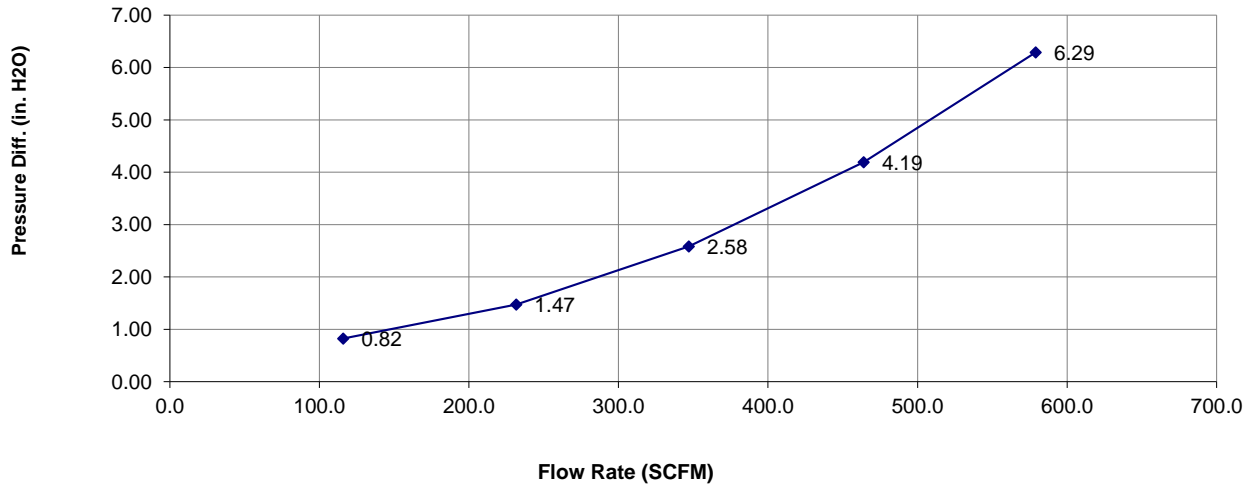
Test Description: RESTRICTION WITH DRY FILTER AND BOX PLUG UNINSTALLED

## Test Conditions

Barometric Pressure: 28.87138 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 60 %  
Temperature: 68 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
116	0.82
232	1.47
347	2.58
464	4.19
579	6.29







2011 Ford  
4.7L  
C. W. A.









2011 Ford  
F150 67L

SP FILTERS  
BREATHE YOUR ENGINE & WARRANTY ARE PROTECTED  
SP FILTERS  
SP FILTERS



2011 FORD  
4.7L  
F150

# Air Filter Restriction Test Report

Test #: 753  
Sample #: 14  
Filter #: FA-1902  
Housing #: 11-16 POWERSTROKE STOCK  
Date Code: 43636

BEN L  
6/20/2019  
FORD MOTORCRAF  
FORD



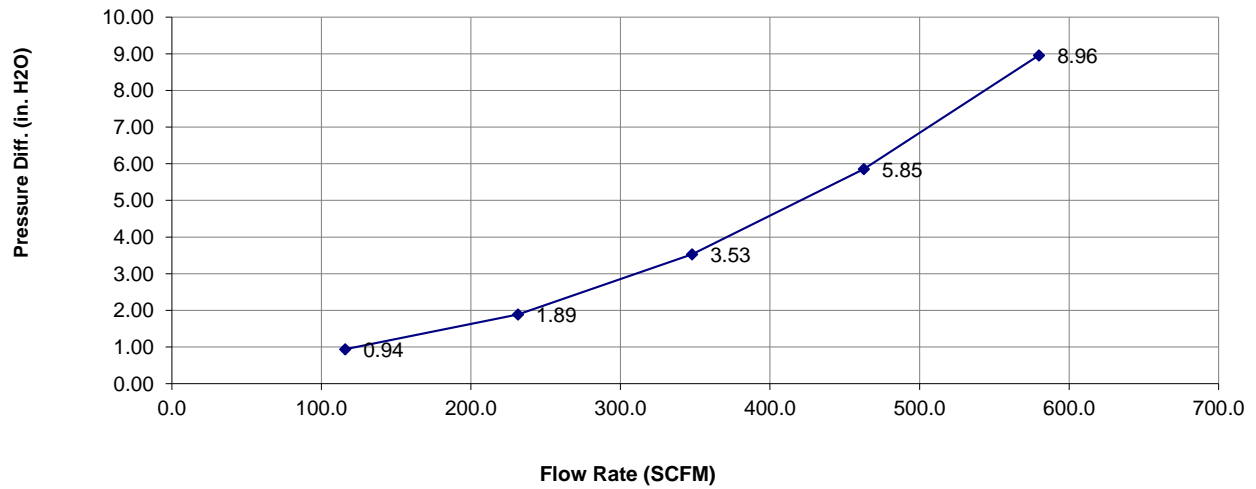
Test Description: STOCK AIRBOX AND FILTER RESTRICTION

## Test Conditions

Barometric Pressure: 28.84471 in. Hg  
Air Flow Type: SCFM  
Number of Pleats:  
Flow Direction:

Relative Humidity: 49 %  
Temperature: 77 deg. F  
Pleat Depth: in.

## Air Flow Curve



## Air Flow Curve Data

<u>Flow Rate</u>	<u>Differential Pressure</u>
116	0.94
231	1.89
348	3.53
463	5.85
580	8.96

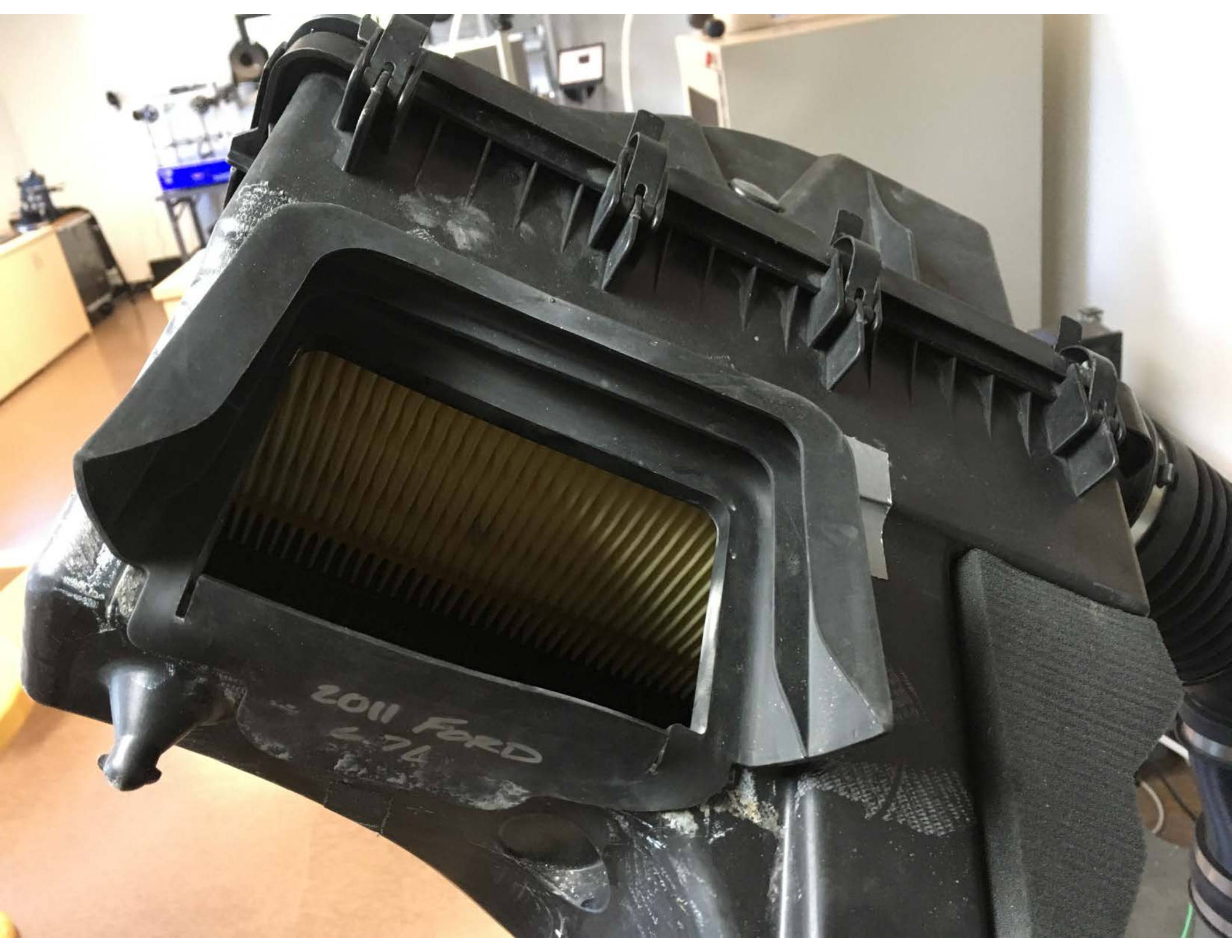




**DANGER**  
PELIGRO

2011 Ford F250-450  
2011  
6.7L DIESEL

6.7L FORD  
2011 Super Duty



2011 FORD  
F-7L



