



INSTALLATION INSTRUCTIONS

Part Number: HD-1718

This filter fits: SEE CATALOG FOR CURRENT APPLICATIONS

* FREE K&N® decal To register your warranty, please see us online at knfilters.com/register. FREE K&N® decal *

Congratulations, you have purchased the finest air filter that money can buy. With proper care, this filter will last 1 million miles or more. This filter can be used in a stock machine, with no modifications required. If any engine modifications have been made tuning/jetting adjustments may be required. There are special installation instructions, so please follow the procedures outlined below to ensure the K&N Filtercharger® seals properly.

If you need any assistance please call 1-800-858-3333 to speak with a representative in our Customer Service Center before returning the product.

INSTALLATION:

1. Disconnect the breather hose from the two breather bolts.
2. Remove the stock air filter from the air box
3. Remove the breather hose from the stock air filter. (fig. 1)
NOTE: The K&N® air filter will utilize the OE breather hose (fig. 2)
4. Clean all sealing surfaces in the air box.
5. Install the OE breather hose onto the K&N® air filter (fig 3 and 4)
6. Install the provided washers onto the 3 stock bolts (fig 5)
7. Install the K&N® air filter into the air box, securing filter with the 3 bolts and washers (fig 6)
8. Connect the breather hose to the two breather bolts (fig. 7 and 8)

THESE INSTRUCTIONS MUST BE FOLLOWED EVERY TIME THE FILTER IS SERVICED, OTHERWISE THE FILTER MAY NOT SEAL, AND DAMAGE TO THE ENGINE COULD RESULT.



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8

CLEANING:

K&N Engineering, Inc., suggests checking the air filter element periodically for excessive dirt build-up. Depending on your driving conditions, we recommend cleaning your air filter every 50,000 miles. To clean and re-oil, purchase our filter Recharger® service kit, part number 99-5050 or 99-5000 and follow the easy instructions.

AIR FILTER TEST DOCUMENT

Proper air filter design will accomplish high filtration without overly impeding air flow or engine performance through restriction. Air encounters resistance as it passes through the air filter commonly described as restriction. Air filter restriction is the result of air filter design decisions and the materials used as a filtering medium. Less restriction means more air passing through the filter at any given time increasing engine performance.

ABSOLUTE AIRFLOW TEST PROTOCOL

In order to evaluate the restriction of an air filter alone, we perform an absolute air flow test. This test performed on a Superflow SF1020 Flow Bench is to determine how much air will flow through the air filter under a constant pressure per square inch. This constant pressure we use is the amount required to lift a volume of water 1½ inches. This absolute test procedure is useful for understanding the impact of design decisions on air flow while eliminating or holding all other variables constant. Results can vary due to subtle differences between production air filters.

ISO 5011 FILTRATION TEST PROTOCOL

This test protocol is a methodology used by engineers to evaluate the impact of design decisions on 1) filtration efficiency, 2) air flow restriction during dust loading and 3) overall dust holding capacity. This test protocol allows for the selection of many variables such as air flow rate, dust feed rate, test duration and test fixture. Therefore no two ISO 5011 test results are comparable unless all such variables are the same. Keep in mind, this test protocol was not developed or intended to identify how an air filter will perform in a vehicle during operation. We publish these tests solely to help consumers see the result of the air filter design choices we have made using this test protocol with disclosed test conditions.

Efficiency – Measures the percentage of test dust retained by the air filter in a laboratory environment following the ISO 5011 protocol.

Capacity - Measures the total amount of test dust retained by the air filter when the test has reached a user selected level of terminal restriction. Typically the terminal restriction approximates the restriction at which an air filter should be cleaned or replaced.

Restriction – Measures the change in air filter restriction during the test as dust loads on the air filter. Restriction is measured by the pressure differential before and after air has flowed through the filter expressed in inches of water.



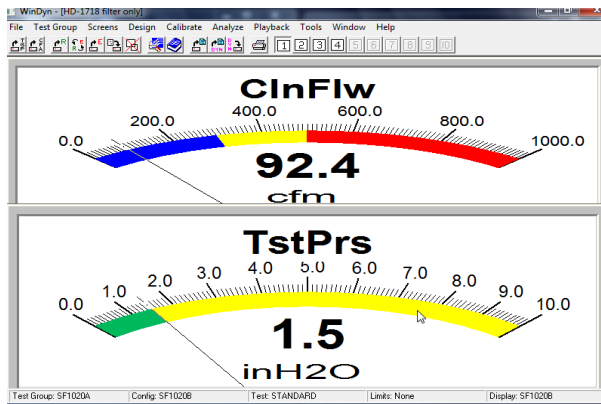
Air Filter Part No. **HD-1718**

K&N Absolute Air Flow Test



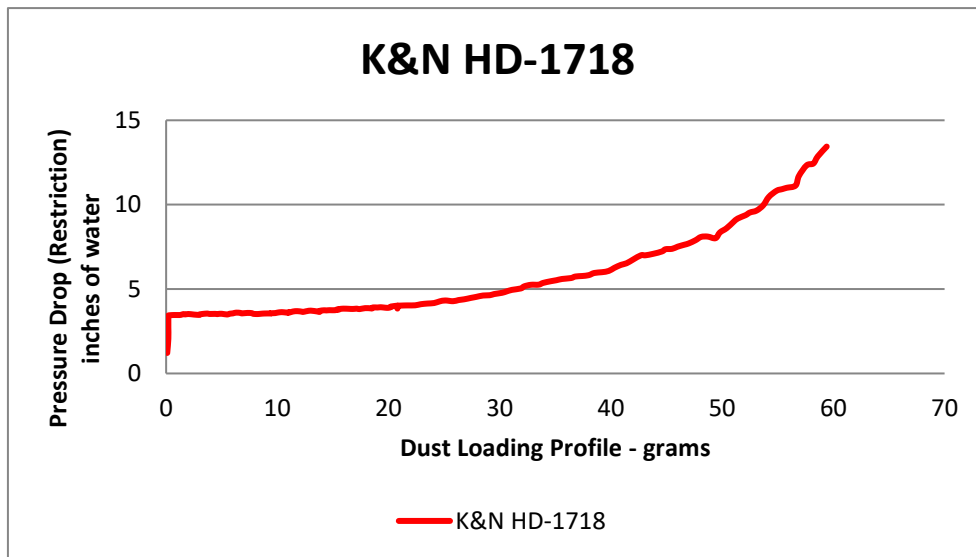
92.4 cfm @ 1.5 inH2O

Demonstrated amount of airflow before the air filter creates restriction of more than 1.5 inches of water pressure



K&N ISO 5011 TEST PROTOCOL

Restriction During Dust Loading Cycle



FILTRATION TEST RESULTS

	Initial	Overall
Efficiency	98.00 %	99.13 %
Dirt Capacity (In Grams)		38.82

TEST CONDITIONS

Test Dust Used	(ISO) Coarse	22% < 10 Microns; Remainder 10 - 180 microns	
Starting Restriction (Inches of water)		3.34	
Ending Restriction (Inches of Water)		13.34	
Dust Feed Rate		0.5 g/m ³	1 g/m ³
Test Air Flow Rate (Cubic Feet per Minute)		120	120
Test Fixture		Dust Cabinet	Dust Cabinet