



### INSTALLATION INSTRUCTIONS



**P/N 76-1002**

#### VEHICLE APPLICATIONS

**2005-2007  
Ford F-Series  
6.0L Powerstroke Diesel**

**WARNING!**  
DO NOT APPLY MORE THAN 5 PSI TO THE ELBOW WITH THE HOOD RAISED. AS SERIOUS INJURY AND OR DEATH COULD OCCUR!

#### PARTS LIST

QTY	DESCRIPTION
1	(D) Intake Elbow
3	(B) M6x30mm Bolt
1	(A) M6x25mm Bolt
3	(E) 1/8" NPT plug
1	(F) Thread Locker
4	(C) M6 Washer

#### TOOLS REQUIRED

- 8mm Wrench & Socket
- 10mm Wrench & Socket
- 10mm Crows Foot (opt.)
- 7/16 Deep Socket
- 3/16" Hex Drive
- Sml. Flat Head Screwdriver
- Torque Wrench (In.lb.)

1. With the ignition switched off, place the vehicle in Park and or set the Parking Brake. Now disconnect the negative battery cables.



2. This step is **optional** and will only allow you better access to the elbow mounting bolts. Use a small flat head screwdriver and pry the clips open and pull up working your way across to remove the upper fan shroud.



3. Loosen the upper hose clamp at the OE elbow and pry the compression clip out of the groove.



4. Remove the 4 bolts that secure the OE elbow to the intake manifold.



5. Rotate the elbow and remove the rectangular O-ring. Wipe clean and set aside. Careful not to let any debris fall into the intake manifold.



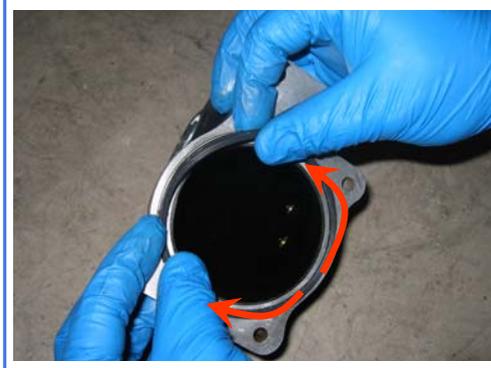
6. Remove the OE elbow from the boost tube. Careful not to let any debris fall into the intake manifold or the boost tube.



7. Apply a thread sealant (such as Teflon tape) to each 1/8 NPT plug (E) and insert the plugs into the ports you will not use on the S&B elbow (D). Use a 3/16 hex socket and torque the plugs to 50 In. lbs.



8. Install the OE O-ring from step #5 into the groove in the base of the S&B Elbow.



9. Insert the S&B Elbow into the boost tube so that the groove and ring have snapped together. Then rotate into position.



10. Place a Washer (C) over each 30mm bolt (B) and one over the 25mm bolt (A), next apply a small amount of the supplied Thread Locker (F) to each of the bolt threads.



11. Thread the bolts by hand into the intake manifold to secure the S&B Elbow. Torque the bolts to 100 In. lbs. If you use a 10mm crow foot to torque the bolts under the bend. See the crow foot torque wrench calculation on page 2.

**Note:** All required torque specs. are called out in **Inch** pounds **NOT** foot pounds!



12. Slide the compression clip back into the groove on the boost tube.



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### INSTALLATION INSTRUCTIONS (continued)

13. Slide the OE hose clamp into place, index and torque the clamp to 106 In. lbs.



14. Align the upper fan shroud and snap into place.



15. Reconnect the batteries. Inspect your installation, make sure kit is properly positioned and all fasteners are secure.

16. Adhere the C.A.R.B. exemption sticker in plain sight under the hood.

#### PERFORMANCE TESTING

##### WARNING!

DO NOT APPLY MORE THAN 5 PSI TO THE ELBOW WITH THE HOOD RAISED AS SERIOUS INJURY AND OR DEATH COULD OCCUR!

- \* Engage parking brake and start your engine. Listen for abnormal noises. If an air leak is detected, re-inspect hoses and connections as they may need to be repositioned and tightened.
- \* **Important!** S&B FILTERS recommends that you keep your OE intake elbow in the event it is required in the future.
- \* In order to maintain your warranty, all connections and components must be checked periodically for alignment and for proper tension on all connections. Failure to do so may void your warranty.

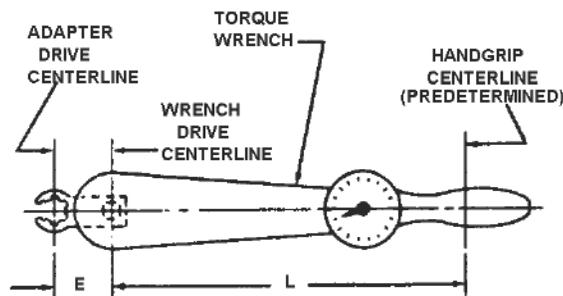
#### Emission Standards

The California Air Resource Board (CARB) requires that an E.O. identification label be applied to the vehicle in order to pass a smog check inspection when a Performance Intake Elbow has been installed.

You must place the E.O. label provided on or near the intake elbow after installation so that a smog check technician can easily verify the E.O. number.

As of 10/31/08, S&B has never had a product where CARB denied an exemption request; however, the exemption process with CARB can take as long as 18 months. Check the status of the exemption process by looking up a specific part number at [www.sbfilters.com](http://www.sbfilters.com). The CARB Exemption number and/or status is listed under the Product Details section for each part number. If the status shows as "Pending," CARB has yet to issue an exemption. Products that have not been issued an EO number are street legal in most states, but may not be used on emission controlled vehicles in the state of California.

**Note:** This is a calculation to adjust your Torque Wrench for use with a Crow Foot attached.



$$\text{FORMULA } \frac{T \times L}{L + E} = Y$$

EXAMPLE: (WITH "E" AS PLUS DIMENSION)

T = 135 LB. IN.      Y =  $\frac{135 \times 10}{10 + 1.5} = \frac{1350}{11.5} = 117.39$

Y = UNKNOWN

L = 10.0 IN.

E = 1.5 IN.      Y = 117 LB. IN.

#### CONTACT S&B FILTERS

(909) 947-0015 Phone (909) 947-0603 FAX  
[www.sbfilters.com](http://www.sbfilters.com)

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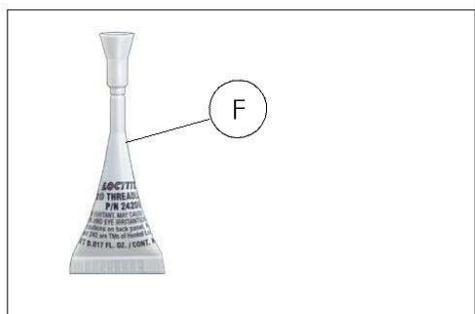
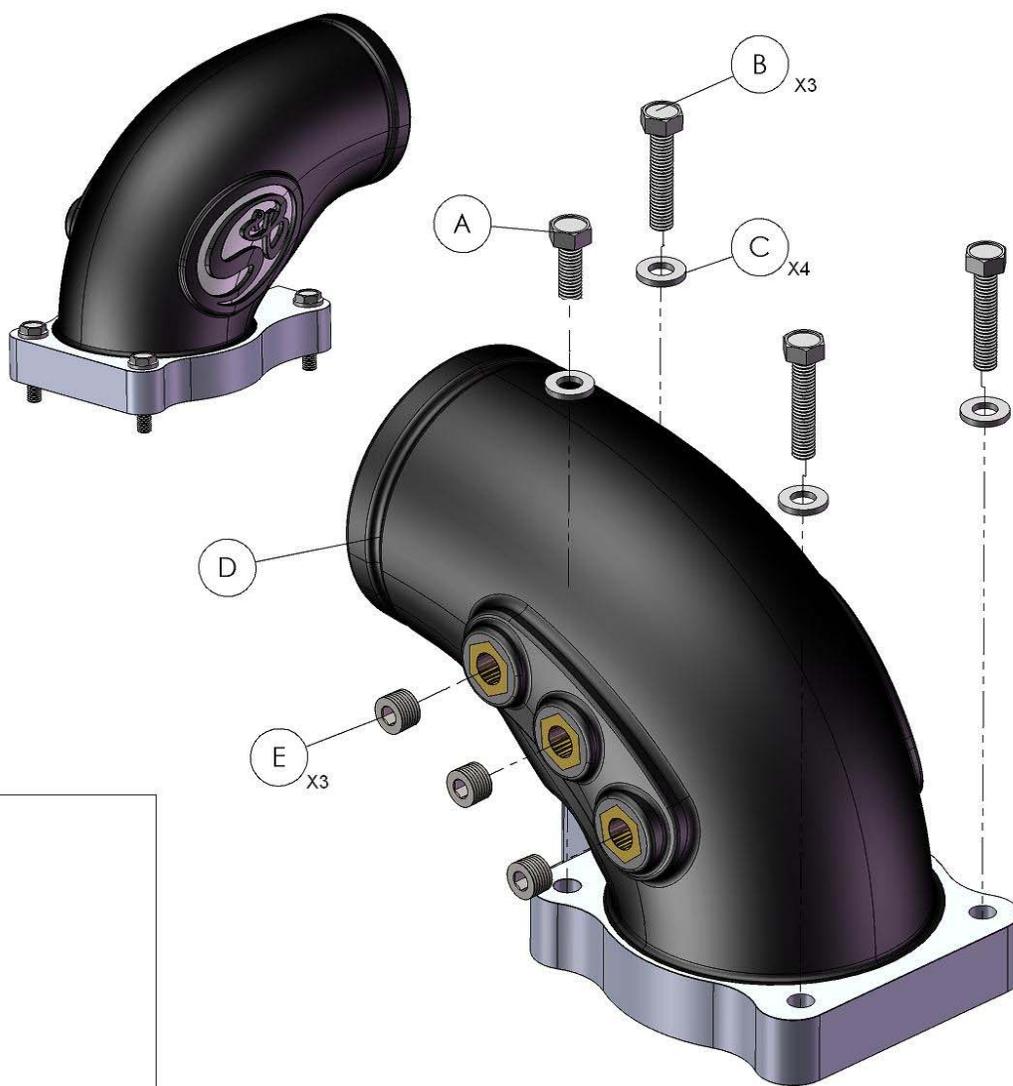


# S&B FILTERS

Performance Intake Elbow



## S&B PIN 76-1002



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# S&B FILTERS

Performance Intake Elbow



## Intake Elbow Product Warranty

The warranty period for S&B Intake Elbows is 5-Years. Returns are not accepted once the parts have been installed.

Tests conducted by an independent third party found that the Intake Elbow (part # 1001) did not rupture until reaching 165 PSI under ambient conditions. For more information including additional test results visit [www.sbfilters.com](http://www.sbfilters.com). Never run more than 5 PSI through the Intake Elbow with your hood raised. Special care should be taken when running a vehicle on a dyno to protect all personnel from flying debris in the event of a rupture of the part.

### Warranty Conditions

Product returned for warranty resolution must be accompanied by a Return Material Authorization (RMA) number obtained in advance from an S&B customer service representative. S&B will be the final authority on all warranty decisions.

The original consumer who purchased the S&B product must also provide proof of purchase to be eligible for the warranty. Those S&B products used in any type of racing or for off-road use are not covered by the warranty. S&B products that are modified or that are used on custom applications are also not covered. Products made and/or sold by S&B on a private label basis are also not covered by the warranty.

This warranty shall not apply to any unit which has been improperly stored or installed; subjected to misapplication, improper operating conditions, accidents, or neglect; or which has been improperly repaired or altered or otherwise mistreated by the owner or his agent.

### Warranty Coverage

S&B Filters, Inc. (S&B) warrants to the original purchaser that any parts purchased shall be free from defects in material and workmanship. A defect is defined as a condition that would render the product inoperable. This warranty does not cover deterioration of plating, paint or any other coating. S&B's liability is limited to the repair or replacement, at S&B's option, of any warrantable product returned prepaid with a complete service history and proof of purchase to the factory. A valid proof of purchase is a dated bill of sale. Repaired or replaced product will be returned to the customer freight collect. Accepted warranty units which have been replaced become the sole property of S&B. Mileage is not a factor. All S&B products are subject to the provisions stated herein regardless of mileage.

Except as set forth in this warranty, S&B disclaims any implied warranty, including implied warranties of merchantability and fitness for a particular purpose. **S&B also disclaims any liability for incidental or consequential damages including but not limited to, repair labor, rental vehicles, hotel costs or any other inconvenience costs.** This warranty is in lieu of all other warranties or guarantees, either expressed or implied, and shall not extend to any consumer or to any person other than the original purchaser residing within the boundaries of the continental U.S. or Canada.

Warranty does not cover conditions where heat-damage resulted due to overly-rich fueling conditions.

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