





Installation Instructions
JLT Ram Air Intake Kit for 1997-2003 Ford F-150 & Expedition
#RAI-FEF-9703

Thank you for purchasing our product. We hope you are satisfied with the look and performance.

Please review complete instructions prior to installing.

Step#	
1	<p>Verify you have all of the following parts included in the kit: (1) JLT painted pipe with IAT and PCV fittings, (1) Rubber Reducer w/ clamps, (1) Rubber coupler w/clamps, (1) S&B 4x12" Oval Air Filter, (1) MAF Adaptor with bolts, (1) Wire Harness Extension Kit, (1) Wire Harness Extension Cover, (1) section of 3/4" hose, and (1) section of 5/8" hose</p>
2	<p>Gather all of the following tools needed for the installation: 5/16 Nut Driver, 10mm Open End Wrench, 11mm Open End Wrench, Wire Cutters/Strippers, Regular Screwdriver</p>
3	<p>Remove the stock intake from the throttle body to the air box.</p> 
4	<p>Disassemble the stock air box in order to remove the MAF sensor.</p>
5	<p>There are 4 bolts holding the MAF sensor in the air box. Unbolt the MAF and pull wire harness through the hole. Once the MAF is out, bolt the JLT supplied Billet MAF adaptor to the MAF with the supplied bolts.</p> 
6	<p>Install the reducing hump hose onto the JLT pipe. This is to connect to the throttle body. Note, the larger fitting on JLT pipe will be closest to the throttle body.</p>
7	<p>The remaining rubber coupler will connect the JLT pipe to the MAF assembly. Connect this now along with the filter.</p>
8	<p>Pull the IAT sensor from the stock inlet pipe and install into the hole in the JLT filter. It will fit a little loose, but this is not a problem.</p>

9 At this point you should have a complete set up like this:



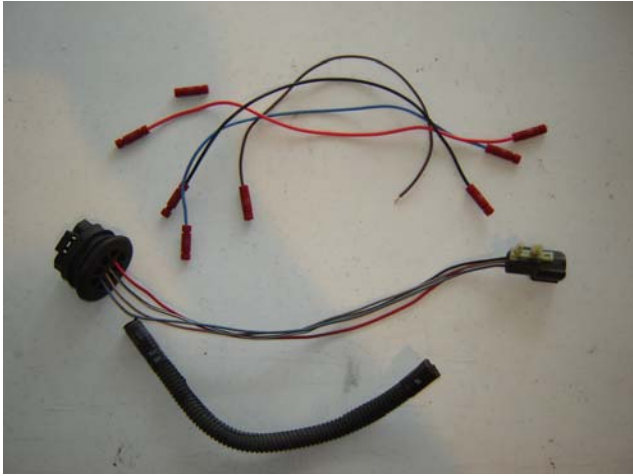
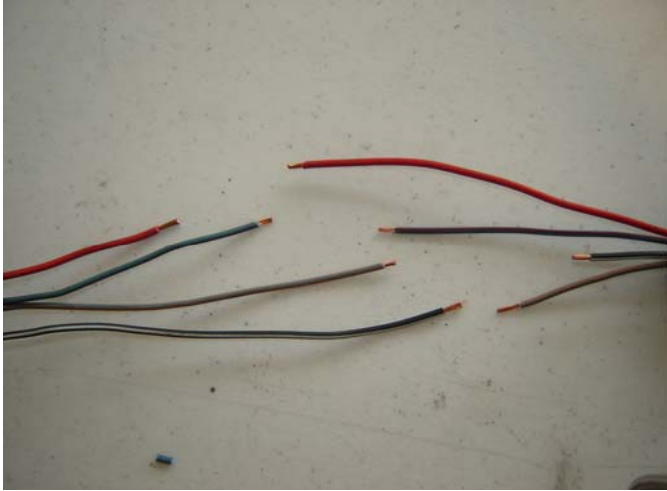




10 Be sure MAF plug is pointing downward.

11 Now install the assembly onto the throttle body.



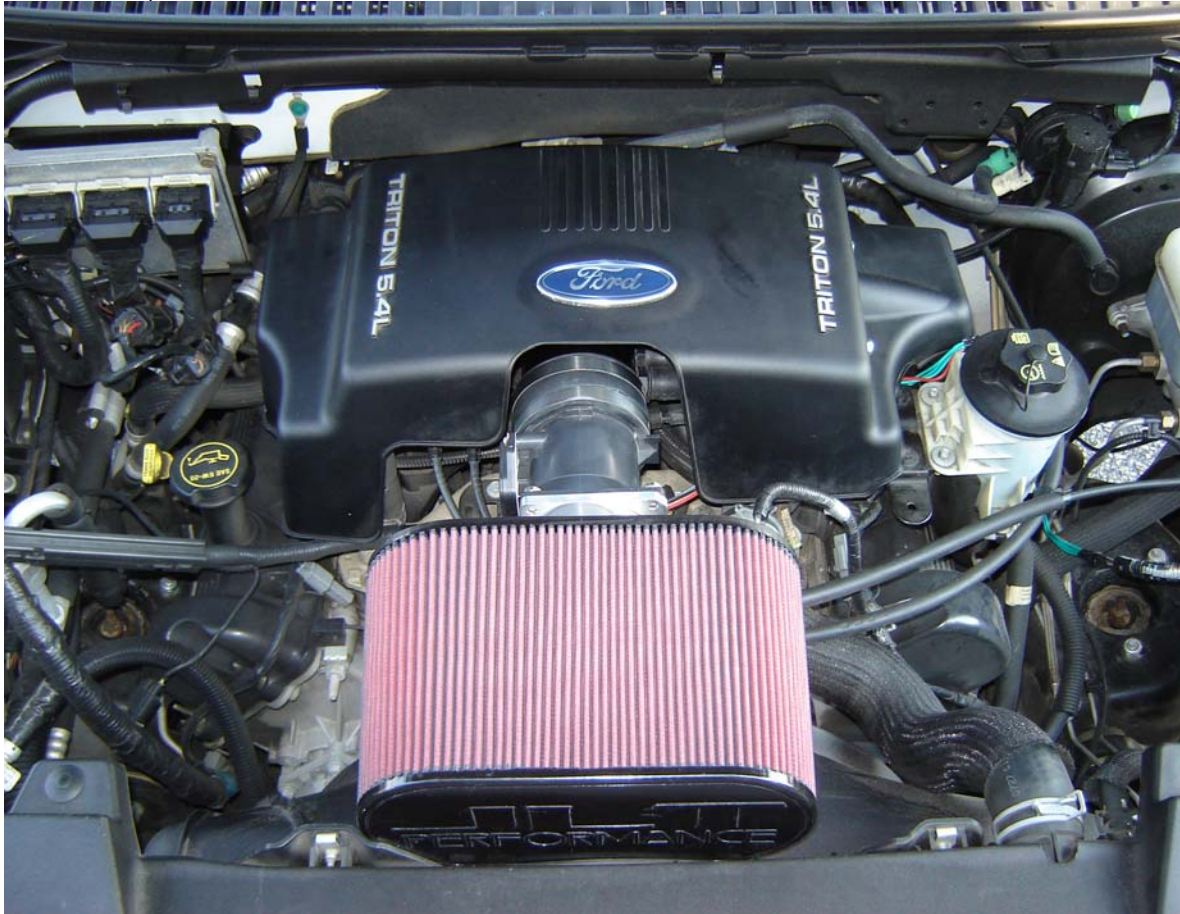
12 Using supplied $\frac{3}{4}$ " hose, connect the larger IAC line to the JLT fitting and the PCV hose to the second (forward most) fitting. Note; we have included a piece of $\frac{5}{8}$ " hose as we have been advised that it may be needed to connect the PCV hose in some models.

13 Reinstall your engine cover and begin modifying your MAF wire harness.

14	To start the wire harness extension, remove the harness from the truck and work on a clean surface.
15	<p>First, stretch out the harness and remove the black plastic cover.</p> 
16	<p>Stager the cuts about 1.5" apart like this:</p> 
17	<p>Using the supplied Posi-Loc connectors and the correct color wire connect the newly cut harness.</p> <p>EASY AS ① ② ③</p> <p>① Strip wire 1/2"</p>  <p>② Insert</p>  <p>③ Hand tighten</p>  <p>CONNECTION COMPLETE!</p> 
18	Wrap in new supplied convoluted tubing and install back into truck.

19

Installation is complete.



This kit includes an S&B Powerstack pre-oiled reusable air filter. The frequency you should clean your filter will depend on your driving conditions. S&B recommends checking your filter at every oil change or 3,000 miles. If there is a build up of dirt as thick as the wire mesh, then S&B recommends you clean your filter. As dirt builds up on your filter, the restriction of the airflow also increases. More frequent cleanings will improve your fuel economy and your vehicle's performance.

To properly clean your filter, we recommend the S&B Air Filter Revitalizer Kit (located on our website in the Parts Sold Separately Section). This is an easy and safe to use kit, which includes a filter cleaning solvent to release accumulated dirt, and a spray on fabric filter oil for maximum dirt filtration.

Thanks for the business. If you have any questions, please e-mail Jay@JLTtruecoldair.com or call 757-335-1940. Our hours are 8:00am – 5:00pm Eastern Time.

Warranty: JLT Performance Inc. will repair or replace any part of their product found upon our inspection to be defective in workmanship or material within 1 year from the purchase date for the original purchaser.

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Custom Paint Disclaimer: All custom paint jobs are done by JLT Performance Inc. Every job is different and done by hand. By ordering a custom paint job, you accept this fact and cannot hold JLT Performance liable for the end result not being exactly what you had in your mind.

Return Policy: All returns will be subject to a 10%-25% restocking fee. Air Filters will not be accepted for return unless they are in original plastic sealed bag. Please visit www.JLTtruecoldair.com for complete return policy.