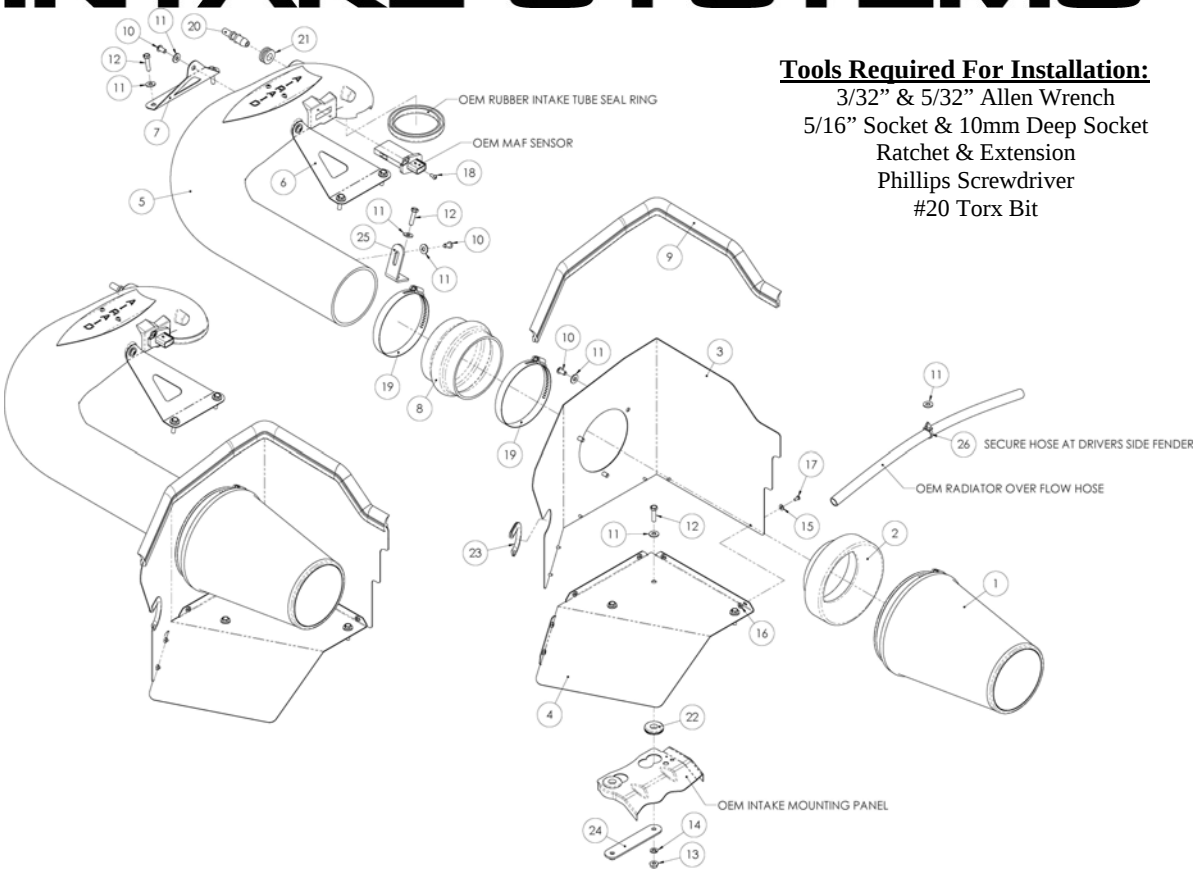


# AIR AID®

## INTAKE SYSTEMS

**Installation Instructions**  
**Part Number 400-140-1**  
**2004-07 Ford F-150**  
**2006-07 Lincoln LT 5.4L V-8**  
**\*\*\*\*\*Mfg. Prior To 1/1/2007\*\*\*\*\***  
**Does Not Fit Vehicles Built After January 1 2007**



**Tools Required For Installation:**  
3/32" & 5/32" Allen Wrench  
5/16" Socket & 10mm Deep Socket  
Ratchet & Extension  
Phillips Screwdriver  
#20 Torx Bit

**Packing List:**

|     |                    |                             |    |
|-----|--------------------|-----------------------------|----|
| #1  | 700-469            | Airaid Premium Filter       | 1  |
| #2  | KIT112MAFADA       | Black MAF Adapter           | 1  |
| #3  | KIT140MAFC         | MAF Air Dam Coated          | 1  |
| #4  | KIT140BPC          | Bottom Panel Coated         | 1  |
| #5  | KIT140T1           | Black Plastic Intake Tube   | 1  |
| #6  | KIT140DSTBC        | Drivers Side Bracket        | 1  |
| #7  | KIT140PSTBC        | Passenger Side Bracket      | 1  |
| #8  | KITHUMPHS05        | Urethane Hump Hose          | 1  |
| #9  | KITWSTRIP02        | Weather Strip 26 1/2"       | 1  |
|     | KIT140HP           | Hardware & Instructions     | 1  |
| #10 | KIT15DHC3050       | 1/4"x20 Button Head Bolt    | 6  |
| #11 | KIT09FWZ019        | 1/4" Flat Washer            | 15 |
| #12 | KIT60C250HCS       | M6-1x25 Hex Bolt            | 8  |
| #13 | KIT60CNFHPZ        | M6 Hex Nut                  | 2  |
| #14 | KIT09LWZ025        | 1/4" Lock Washer            | 2  |
| #15 | KIT6NWSAPZ         | #6 Flat Washer              | 6  |
| #16 | KIT6CNKEPZ         | 6-32 Keps Nut               | 6  |
| #17 | KIT6C31MXPPZ       | 6-32x5/16" Screw            | 6  |
| #18 | KIT15BHC3038       | 8-32x3/8" Button Head Screw | 2  |
| #19 | KITHS72            | #72 Hose Clamp              | 2  |
| #20 | KITFITTING05_REV_B | Aluminum Fitting            | 1  |
| #21 | KITGRMT03          | Rubber Grommet              | 1  |
| #22 | KITGRMT05          | Rubber Grommet              | 2  |
| #23 | KITX1011           | Rubber Trim 4"              | 1  |
| #24 | KIT115B            | Long/Narrow Bracket         | 1  |
| #25 | KIT140B            | L-Shaped bracket            | 1  |
| #26 | KIT131MOUNT        | Black Plastic Hose Mount    | 1  |



1. **Disconnect negative battery cable.**  
Push green tab, and disconnect breather line. Slide red tab and disconnect Mass Air Flow sensor. Unclip vacuum line at rear of airbox. Unclip battery cable at front of airbox.



2. With a 10mm deep socket remove 4 tower bolts, two on each side of the factory airbox. Remove 1 bolt holding the factory intake tube to the mounting bracket. Remove the complete factory intake system.



3. Remove the rubber seal from the factory airbox and save for re-installation.



4. Remove two screws, and remove the Mass Air Flow sensor. Save for re-installation in the next step.



5. Re-install the Mass Air Flow sensor into the Airaid Intake Tube (#5) using two button head screws (#18). **Do not over tighten!**  
**Do Not Use Factory Screws!!**



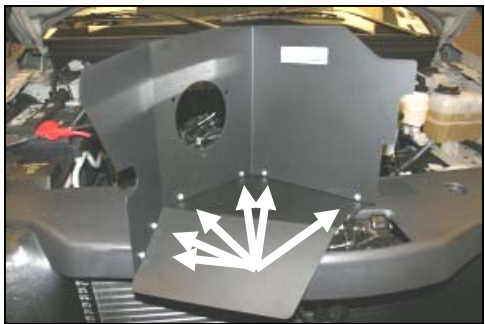
6. Re-install the factory seal removed in step #3 onto the Airaid Intake Tube. Use caution to align the notch in the tube with the notch in the seal.



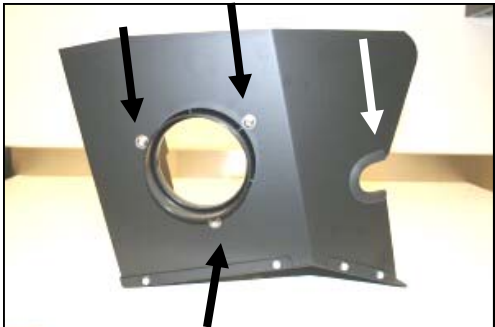
7. Install grommet (#21) into the Airaid Intake Tube, and then install the aluminum fitting (#20) into the grommet, tapered end first.



8. Slip two grommets (#22) into the large holes in the bracket on the left fender, next slide them sideways into the small holes as shown.



9. Assemble the two Cool Air Dam panels (#3 & #4) using the 6 provided screws (#17), washers (#15), and nuts (#16).



10. Install the filter adapter (#2) into the CAD using three button head bolts (#10) and washers (#11). Next install the 4" rubber trim (#23), as shown.



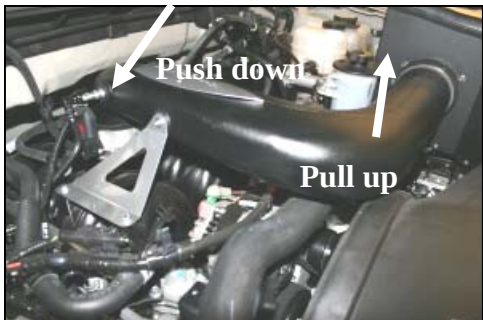
11. Install the CAD into the vehicle starting with one 6mm bolt (#12) and washer (#11) into the captured nut in the fender. (White arrow). Next using two 6mm bolts (#12) two flat washers (#11), two lock washers (#14), and two nuts (#13), insert the two bolts thru the CAD thru the grommets, and thru the provided metal plate (#24). Use the line drawing at the top of the page for reference.



12. Install the urethane hump hose (#8) onto the filter adapter (#2) with two #72 hose clamps (#19), leave the clamps loose for now. Slide the Airaid Intake Tube into the hump hose first and then onto the throttle body.



13. Install the two brackets (#6 & #7) from the Airaid Intake tube to the intake manifold using two button head bolts (#10), and flat washers (#11) on top, and four 6mm bolts (#12), and flat washers (#11) on the bottom. Leave the button head bolts loose for now.



14. While gently lifting on the tube next to the radiator, and pushing down on the tube over the throttle body tighten the two button head bolts in top of the mounting brackets. This will help make sure the Airaid Intake Tube is sealing on the throttle body.



15. Install the L-shaped bracket (#25) using one button head bolt (#10) and one flat washer (#11) thru the oval slot into the backside of the tube. Next install one 6mm bolt (#12) and washer (#11) thru the round hole into the factory bracket. Now tighten the hose clamps on the hump hose.



16. Slip the hose mount (#26) over the radiator overflow hose. Next place one flat washer (#11) over the hole on the inner drivers side fender. Slide the hose mount prongs thru the fender and thru the washer.



17. Install the Airaid Premium Filter (#1) onto the filter adapter (#2), and tighten the clamp. Next install the weather strip (#9) onto the top of the CAD as shown. ( *Hint: start at one end of the CAD and work towards the other end*).



18. Re-connect the breather hose to the Airaid Intake Tube, and the wiring harness to the Mass Air Flow sensor. Refer to step #1.

### 19. Double check your work!

Make sure there is no foreign material in the intake path. Make sure all clamps, hoses, bolts, and screws are tight.

### 20. Reconnect the negative battery cable!

Thank you for purchasing the Airaid Intake System. Contact Airaid @ (800) 498-6951 8:00 AM - 5:00 PM MST weekdays for questions regarding fit or instructions that are not clear to you. Your Airaid Intake System was carefully inspected and packaged. Check that no parts are missing, or were damaged during shipping. If any parts are missing, contact Airaid. The air filter element is protected from direct exposure to water and debris; care should be taken not to drive through deep water. WATER INGESTION IS THE DRIVERS RESPONSIBILITY! The air filter is reusable and should be cleaned using the Airaid Filter Tune-Up Kit periodically.

*Before!*



*After!*



**Don't Forget Your AIRAID Filter Tune-Up Kit!**



P/N 790-551 Aerosol Spray  
P/N 790-550 Squeeze Spray



Instructions Revision  
Date: 06/24/10