400-591 INSTALLATION INSTRUCTIONS
97-03 Ford F-150 / 97-04 Expedition 5.4L

Thank you for purchasing the PowerAid Throttle Body Spacer. Please read the instruction manual carefully before proceeding with the installation. Your PowerAid Throttle Body Spacer was carefully inspected and packaged. Check that no parts are missing, or were damaged during shipping. 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.

Thank you for selecting AIRAID.

INTAKE SYSTEMS FOR VEHICLES LISTED ARE 50 STATE LEGAL. SEE AIRAID.COM FOR CARB STATUS ON EACH PART FOR A SPECFIC VEHICLE.

Included with your Poweraid Spacer is a sticker with a **C**alifornia **A**ir **R**esources **B**oard (C.A.R.B.) **E**xecutive **O**rder (EO) number. This sticker must be placed in plain view inside of the engine compartment. Failure to do so may prevent you from passing a smog inspection.

Parts List

AIR-KIT591PA	Aluminum Plate	(1)
AIR-KIT591G	Gasket	(2)
AIR-KIT591H	Hardware	
	Linkage Plates	(3)
	6mm x 16mm Flat Head Screws	(3)
	6mm x 50mm Bolts	(4)
	6mm Washers	(4)

Also available for your F-150/Expedition, the Airaid Intake System p/n 400-109. Call For Details!

Tools List

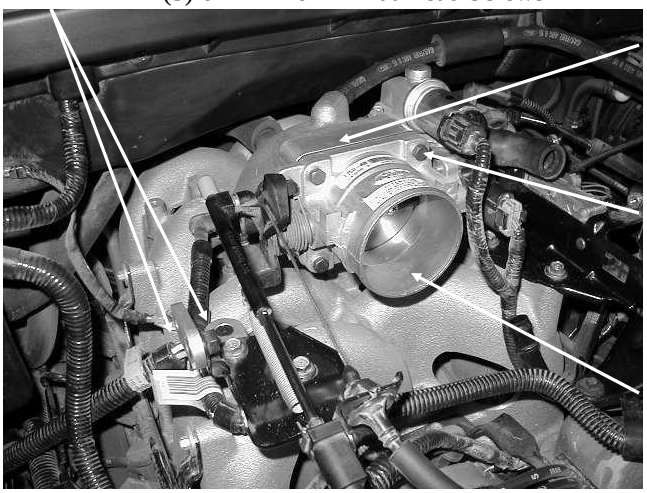
10mm Socket
5/32 Hex Key
Standard Screwdriver

Installation Instructions. Read Me!

1. **DISCONNECT NEGATIVE (-) BATTERY CABLE.**
2. Remove throttle body intake assembly.
3. Remove (2) bolts & save from linkage bracket. **(Ref. "C")**
4. Remove (4) bolts from throttle body. **(Ref. "D")**
5. Remove gasket and clean surfaces.
6. Install power plate with (2) gaskets. **(Ref. "A")**
   - **A.** Place one gasket between the throttle body and power plate.
   - **B.** Place second gasket between the power plate and manifold.
7. Replace (4) 6mm x 50mm bolts **(Ref. "D")** using **Step 4** as an example.
8. Locate and install (2) linkage plates using (2) 6mm x 16mm flat head screws. **(Ref. "C")**
9. Reinstall linkage bracket using saved bolts. **(Refer to Step 3)**
10. Install (1) linkage plate for plastic intake cover. **(Ref. "C")**
11. Inspect & Test throttle linkage for full Open & Closed travel before driving. Some cruise or kickdown cables may require adjustment. Please refer to your vehicles service manual for proper adjusting.
12. Reinstall throttle body intake assembly using **Step 2** as an example.
13. Reconnect battery cable. Enjoy!

The sound of power...The "whistle" means its working!

Ref. "C"- (3) Linkage Plates
(3) 6mm x 16mm Flat Head Screws



Ref. "A"- (1) Power Plate

Ref. "D"- (4) 6mm x 50mm Bolts
(4) 6mm Washers

Ref. "B"- Throttle Body

AIR-I40591B
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