



Installation Instructions
Part Number 400-619
Poweraid Spacer For
2007-09 Ford F-150 4.6L 2V
2007-08 Ford Explorer 4.0L

4.6L 2V motors are identified by having the engine code W as the eighth VIN character.
(Does Not Fit 2009-10 3 Valve 4.6L F-150)



Parts List

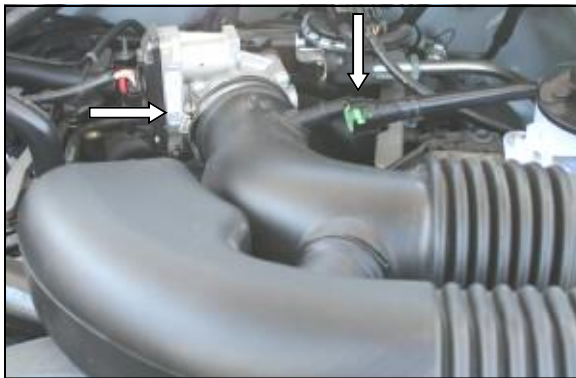
- AIR-KIT619PA Aluminum Plate (1)
- AIR-KIT619G Gasket (2)
- AIR-KIT619H Hardware
 - 6mm x 55mm Hex Bolts (4)
 - 6mm x 75mm Hex Bolts (4)
 - 6mm Flat Washers (4)

Tools Required For Installation

- 5/16" Deep, 10mm Sockets
- Ratchet & Extension

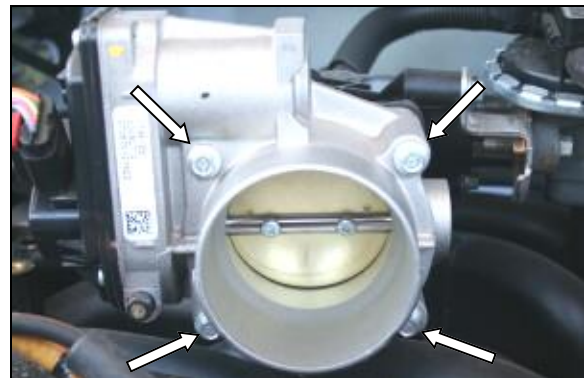
Thank you for purchasing the PowerAid Throttle Body Spacer. Please read the instruction manual carefully before proceeding with the installation. Your PowerAid Throttle Body Spacer was carefully inspected and packaged. Check that no parts are missing, or were damaged during shipping.

Thank you for selecting AIRAID.



1. Disconnect the negative battery cable!

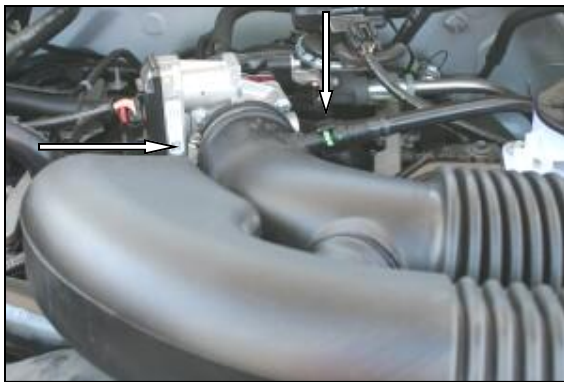
Disconnect the crankcase breather hose from the engine air intake tube by pushing on the green tab, and removing the hose from the nipple. Loosen the hose clamp that holds the intake tube to the throttle body, and slide the tube to the side gain access to the throttle body bolts.



2. Remove the four bolts (and/or nut and stud) from the throttle body, and remove the throttle body from the intake manifold, and set it aside. Retain the wiring harness anchor from the upper left stud on the Explorer for reinstallation in step #4.



3. Remove the factory black plastic spacer that is located between the throttle body and the intake manifold.

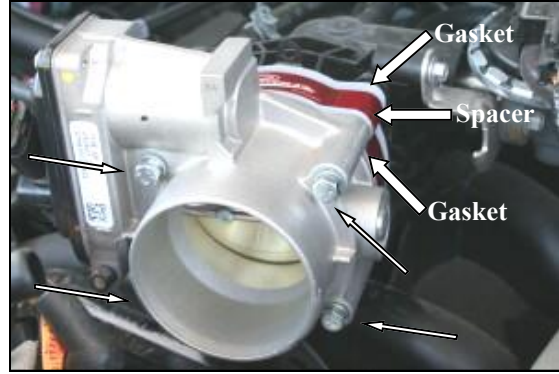


5. Re-install the factory intake tube onto the throttle body and tighten the hose clamp. Re-connect the breather hose to the factory intake tube.

Re-connect the negative battery cable!

Included with your Poweraid Spacer is a sticker with a California Air Resources Board (C.A.R.B.) Executive Order (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.

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



4. Insert four 6mm hex bolts thru the 6mm flat washers (#5). Use the 6mm x 55mm hex bolts (#3) on the **Explorer**, and use the 6mm x 75mm hex bolts (#4) on the **F-150**. Slide the four bolts with washers thru the throttlebody, one gasket, the Poweraid Spacer, the other gasket, and into the intake manifold.. Make sure to re-install the wiring harness anchor removed in step #2, on the Explorer. Tighten all four throttle body bolts evenly, to the manufacturer's specifications. **Do Not Over Tighten The Bolts!**

