



## **# 400-587 INSTALLATION INSTRUCTIONS 99-01 Ranger XLT 3.0L V6**

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

*Thank you for selecting AIRAID.*



### **Parts List**

- (1) Power Plate
- (2) Gaskets
- (4) 8mm x 50mm Bolts
- (4) 8mm Flat Washers
- (2) 8mm x 50mm Flat Head Screws
- (2) 8mm x 10mm Bolts
- (2) 8mm Lock Washers
- (1) Extension Plate
- (2) 1" Long w/ 8mm Hole Spacers

### **Tools List**

- 10mm Socket
- 13mm Socket
- 4mm Hex Key
- Standard Screwdriver

## ***Installation Instructions. Read Me!***

1. **DISCONNECT NEGATIVE (-) BATTERY CABLE.**
2. Remove throttle linkage cover and save bolts.
3. Remove air intake assembly at throttle body.
4. Remove (4) bolts from the throttle body.
5. Remove the bolts from the throttle linkage bracket.
6. Install the power plate using (4) 8mm x 50mm bolts and (4) 8mm flat washers. (Ref. "A")
  - A. Install one gasket between the power plate and manifold.
  - B. Install the second gasket between power plate and throttle body.

**\* Please Note: The engraved throttle body side faces the throttle body.**
7. Locate and install throttle extension plate with (2) one inch long spacers and (2) 8mm x 50mm flat head screws. (Ref. "C" & Illustration)
8. Install throttle linkage bracket using (2) 8mm x 10mm bolts and (2) 8mm lock washers. (Ref. "C" & Illustration)
9. Inspect & Test throttle linkage for full Open & Closed travel before driving. Some cruise or kick down cables may require adjustment. Please refer to vehicles service manual for proper adjustment.
10. Reinstall throttle body air intake assembly using **Step 3**. Also, reinstall throttle linkage cover using saved bolts. (**Step 2**)
11. Reconnect battery cable. Enjoy!

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

