



## # 520-505 INSTALLATION INSTRUCTIONS 99-04 Nissan Xterra/Frontier 3.3L

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.*



Also available for your 00-04 Nissan Xterra/  
Frontier, the Airaid Intake System p/n 520-130.  
Please call for details!

### **Parts List**

- (1) Power Plate
- (2) Gaskets
- (4) 8mm x 50mm Bolts
- (4) 8mm Flat Washers
- (1) Linkage Plate
- (2) 6mm x 12mm Flat Head Screws

### **Tools List**

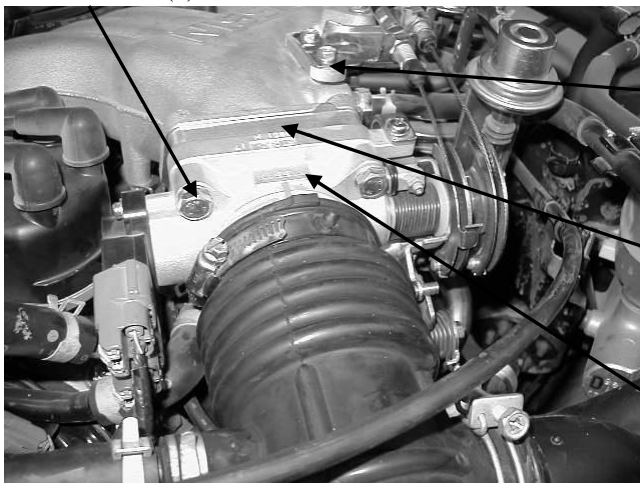
- 13mm Socket
- 13mm Box Wrench
- 3mm Hex Key
- Standard Screwdriver

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

1. **DISCONNECT NEGATIVE (-) BATTERY CABLE.**
2. Remove throttle body air intake assembly.
3. Remove (4) bolts from the throttle body. (**Ref. "C"**)
4. Remove gasket and clean surfaces.
5. Remove bolts from the throttle linkage bracket and save.
6. Install power plate with (2) gaskets. (**Ref. "A" & "B"**)
  - A. Install one gasket between the throttle body and power plate.
  - B. Install second gasket between the power plate and manifold.
7. Replace (4) bolts and washers (**Ref. "C"**) using **Step 3** as an example.
8. Install throttle linkage plate using (2) 6mm flat head screws. (**Ref. "D"**)
9. Reinstall the throttle linkage bracket using saved bolts. **Refer to Step 5.**
10. Inspect & Test the 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.
11. Reinstall the throttle body air intake assembly using **Step 2** as an example.
12. Reconnect battery cable. Enjoy!

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

**Ref. "C"**- (4) 8mm x 50mm Bolts  
(4) 8mm Flat Washers



**Ref. "D"**- (1) Linkage Plate  
(2) 6mm x 12mm Flat Head Screws

**Ref. "A"**- (1) Power Plate  
(2) Gaskets

**Ref. "B"**- Throttle Body