



## # 300-563 INSTALLATION INSTRUCTIONS 02-04 Dodge Ram 3.7L

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
- (1) "O" ring
- (3) 6mm x 50mm Hex Head Bolts
- (3) 6mm Flat Washers
- (2) Extension Plates
- (1) 6mm x 20mm Flat Head Screw
- (1) 6mm x 35mm Flat Head Screw
- (1) 1/4" ID x 3/4" OD x 5/8" OAL
- (1) Air Box Flange Nut
- (1) Air Box Support Plate
- (1) 5/16" x 1 1/2" Flat Head Screw
- (1) Throttle Cable Bracket
- (2) 3/8" ID x 3/4" OD x .636 OAL
- (1) Nutplate w/ 3/8-16" threads
- (2) 3/8-16" x 1 1/2" Hex Head Bolts

### **Tools List**

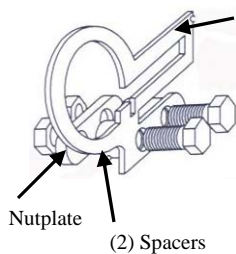
- 1/4" Ratchet
- 1/4" x 12" Extension
- 8mm Socket
- 10mm Socket
- 14mm Socket
- 14mm Box End Wrench
- 5/32" Allen Wrench

## *Installation Instructions. Read Me!*

1. **DISCONNECT NEGATIVE (-) BATTERY CABLE.**
2. Remove air intake hose assembly.
3. Remove throttle body air intake box and save bolts.
4. Remove (3) bolts from the throttle body.
5. Unclip throttle & cruise cables and remove from manifold and throttle lever.
6. Install power plate using (3) 6mm x 50mm bolts and 6mm flat washers. (**Ref. "A"**)
7. Install throttle & cruise cable bracket and tighten bolts. (**Ref. "B"**)
8. Install both throttle & cruise cables thru reinforcement ring of throttle cable bracket.
  - A. Reattach cables to throttle body lever. \*First cruise cable then throttle cable
  - B. Slide and lock both plastic cable retainers into slot separately.
9. Locate (1) long extension plate using (1) flat head screw to reposition throttle body intake box using saved bolts (**Ref. "D"** and **Step 3**)
10. Locate (1) short extension plate with 5/8" thick spacer using (1) flat head screw to reposition throttle body intake box using saved bolts. (**Ref. "C"** and **Step 3**)
11. Install air box support bracket using (1) flat head screw & (1) flange nut. (**Ref. "E"**)
12. Inspect & Test throttle linkage for full Open & Closed travel before driving. Some cruise and kick down cables may require adjustment. Please refer to your vehicles service manual for proper adjustment.
13. Reinstall throttle body air intake assembly using (**Step 2**) as an example.
14. Reconnect battery cable. Enjoy!

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

### ASSEMBLY DETAIL (Ref. "B")



**Ref. "A"**- (1) Power Plate  
(1) "O" ring  
(3) 6mm x 50mm Bolts

**Ref. "C"**- (1) 1/2" Extension Plate  
(1) 6mm x 34mm Flat head screw  
(1) 5/8" w/ 1/4" hole spacer

**Ref. "D"**- (1) 1" Extension Plate  
(1) 6mm x 20mm Flat head screw

**Ref. "E"**- (1) Air box flange nut  
(1) Air box support plate  
(1) 5/16" x 1 1/2" flat head screw

**Ref. "B"**- (1) Throttle Cable Bracket  
(2) .636 long w/ 3/8" hole spacers  
(2) 3/8-16" x 1 1/2" bolts  
(2) 3/8" Washers  
(1) Nutplate

