



Installation Instructions
Part Number 310-511
Poweraid Spacer For 91-02
Jeep TJ, XJ, YJ 2.5L



Parts List

#1	Poweraid Spacer	x1
#2	6mmx50mm Bolts	x4
#3	6mm Flat Washers	x4
#4	Fiber Gasket	x2
#5	1" Round Spacer	x2
#6	6mmx40mm Bolts	x2

Tools Required For Installation

- 10mm Socket
- 5/16" Socket
- Ratchet and Extension

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.



1. **Disconnect the negative battery cable!**
A). Loosen the hose clamp that holds the factory intake resonator to the throttle body. B). Loosen the hose clamp that connects to the airbox. C). Remove two bolts on top of the valve cover. D). Disconnect the breather hose on the back of the resonator.



2. Remove the intake tube and resonator from the vehicle.



3. With a 10mm socket, remove the four bolts that hold the throttle body to the intake manifold.



4. With the throttle body set aside, remove the gasket and clean the surfaces of the manifold and throttle body.



5. Install one gasket (#4) on the intake manifold, then the Poweraid spacer (#1), with the other gasket (#4) on top of it. Next install the throttle body using the four provided 6mmx50mm bolts (#2) and washers (#3), and tighten to manufacturer's specifications.



6. Install the two 1" aluminum spacers (#5) and provided 6mmx40mm bolts (#6) under the mounting tabs that hold the factory resonator to the top of the valve cover as shown.



7. Re-connect the intake tube to the airbox, re-connect the breather hose, and tighten all hose clamps.

8. Inspect & test the throttle linkage for full open and closed travel before driving. Some cruise and kickdown cables may require adjustment. Please refer to vehicles service manual for proper adjustment.

9. Re-connect the negative battery cable!



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

Contact your nearest Airaid dealer for an Airaid Intake System for your car, truck or SUV.

Instructions Revision
03/21/06

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