



Congratulations on the purchase of Trail Head Off Road's Jeep Cherokee WJ Grand Cherokee 99-04 V8 Cowl Induction true Cold Air kit. **Please read these instructions completely before starting the installation.** Some steps may need prior preparation.

**Parts list**

Heat shield	1
Reusable performance air filter	1
Silicone 3.25"- 3" elbow	1
Black powder coat main power tube	1
Cowl splash shield	1
5/8" breather hose	1
stainless steel mounting clamps	3
self threading 1/4" screw	1
5MM mounting screw	1

Tools required: #2 Phillips head screwdriver, drill motor with Phillips bit, basic hand tools, cutting tools; an air body saw or 4.5" grinder with a cutoff wheel works great.

**Step 1: Part Removal**

Disconnect the negative battery cable, Remove the factory airbox and related assembly. Cover the throttle body to keep items from falling into it.

Remove wire harness on passenger side from mounting bracket, ground strap and brake line connector mounted on the stud. (fig 1.1)



Fig 1.1

## Step 2: Marking and cutting

Remove cowl weatherstripping and set aside, Pre fit the air filter heatshield flush against the passenger bracket using the factory studs for mounting (you may need to slightly bend the tabs for best fit), mark the side mounting and outside area this will give a reference for where to cut into the cowl (you will not remove the upper cowl lip) Measure twice and cut once (fig 2.1). Once you have the bracket placed, taking a marker trace the inside of the bracket onto the cowl, this will give you an easy mark of where the opening needs to be



Fig 2.1

Use cutoff wheel, die grinder air saw etc to cut your opening, be extra careful of the hard brakeline that was removed from the cowl mounting stud.

Depending how much you trim of the lower section you may need to use a drift other tool with hammer to move the lower cowl section down for clearance (fig 2.2)



Fig 2.2

### Step 3: Splash shield & Ground strap

Remove the weatherstripping at the cowl and lift up the plastic cowl cover (this will pop the trim rivets loose) (fig 3.1). Insert the splash shield with mounting over factory stud (fig 3.2). Replace plastic cowl cover and reinstall plastic trim rivet by pushing down and re-install the cowl seal sandwiching the splash shield between the cowl and plastic cover.



Fig 3.1



Fig 3.2

Using included self tapping screw relocate the previously removed ground strap to outside the heatshield below the mounting stud, it is a good idea to remove the paint to ensure a solid ground (fig 3.3)



Fig 3.3

#### Step 4: Installation

Fit all components loosely for initial installation, heat shield on short end of tube then clamp filter on and silicone adapter on opposite tube end (fig 4.1). Using petroleum jelly or other lubricant will help installing and adjusting the silicone elbow. Install placing the filter in the opening and then maneuvering the elbow onto the throttle body, adjust for best fit and tighten all clamps (fig 4.2 & 4.3). Using factory nut for passenger side heat shield stud and included 5mm nut for driver side stud (note the brake line will be inside the heat shield and exit the driver side of the heat shield through the notch). Attach breather hose from driver side to air tube connection.



Fig 4.1



Fig 4.2



Fig 4.3

Start the vehicle and check for leaks, you will notice a rushing sound at startup, this is normal.

For technical or installation questions, please contact us.

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