



Part number PF8051

2009-10 Dodge Ram

5.7L V8 Hemi

- 1- MR Tech Power-flow Intake system
- 1- X-1022 Filter
- 1-Power-Flow Box- (PB375D-8) Contents:
 - 1- 8" Inverted top filter (A)(#1022)
 - 1- Main body, top and screen (B)(#15015)
 - 1- 3.75" velocity stack inlet (C)(#15017)
 - 1- Rect. front pre-filter screen (D)(#15018)
 - 5- m6 x 20mm button head bolts E) (6073)
- 1- Lower Powerbox bracket (K)(#20082)
- 1- Upper Powerbox bracket (L) (#20084)
- 1- 3 1/2" Straight hose (#3037)
- 1- 3 1/2" x 3 3/4" step hose (#3133)
- 3- Power-Band .056 .412 (#4005)
- 1- Power-Band .064 .462 (#4006)
- 1- sensor grommet (#8026)
- 1- M8 vibra-mount (#6062)
- 1- M8 male/female vibra-mount (#6061)
- 2- 8mm flange nut (#6017)
- 2- Fender washer (#6011)
- 1- m8 x 16mm hex bolt (#6018)
- 1- 9"-17mm Vac. hose (#3080)
- 1- 7 page instruction

Note: All parts and accessories are sold

on-line a **"injenonline.com"**

Note: The C.A.R.B. Exempt sticker must be attached under the hood in a manner such that it is easily viewed by an emissions inspector.



Tools required:

- 1- 8mm nut driver
- 1- 8mm socket
- 1- 10mm socket
- 1- 13mm socket
- 1- ratchet
- 1- ratchet extension
- 1- set of allen wrenches

Congratulations! You have just purchased the best engineered, dyno-proven air intake system available.

Please check the contents of this box immediately.

Report any defective or missing parts to the Authorized Injen Technology dealer you purchased this product from.

Before installing any parts of this system, please read the instructions thoroughly. If you have any questions regarding installation please contact the dealer you purchased this product from.

Installation DOES require some mechanical skills. A qualified mechanic is always recommended.

*Do not attempt to install the intake system while the engine is hot. The installation may require removal of radiator fluid line that may be hot.

Injen Technology offers a limited lifetime warranty to the original purchaser against defects in materials and workmanship. Warranty claims must be handled through the dealer from which the item was purchased.

Injen Technology 244 Pioneer Place Pomona, CA 91768 USA

Please check the contents of this box immediately.

Note: This intake system was Dyno-tested with an Injen filter and Injen parts the use of any other filter or part will void the warranty and CARB exemption number.

Parts and accessories are available on line at "Injenonline.com"

Note: The installation of this cold air intake does require mechanical skills. Removal of the front bumper requires loosening and removing several plastic plugs and screws that may be difficult. It is recommended that this system be installed by a professional mechanic. Be sure to disconnect the negative terminal before proceeding.

Congratulations! You have just purchased the worlds first tuned intake system.

MR Technology, Leading the way!

POWER-FLOW: Air intake evolution

Power-Box contents: See cleaning and maintenance instructions on last page.



Figure 1



Figure 2



Figure 3
Stock engine compartment and factory air box.



Figure 4 (A) Stock air temp sensor on factory air duct.



Figure 4 (B) Unclip harness from air temp sensor.



Figure 5 (A) Air temp sensor with harness removed.



Figure 5 (B) Firmly pull air temp sensor out of factory air duct. This sensor will be re-used later.

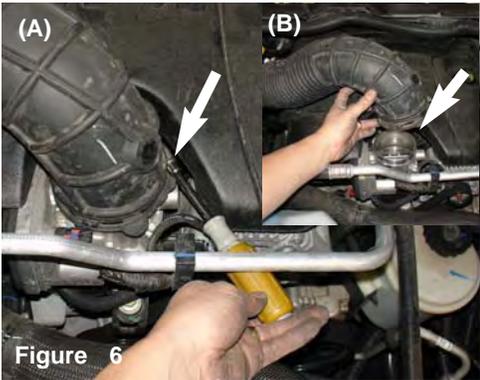


Figure 6 (A) Use an 8mm nut driver and loosen clamp on air duct connected to throttlebody.



Figure 7 Disconnect the crank case ventilation tube from the factory air box cleaner.

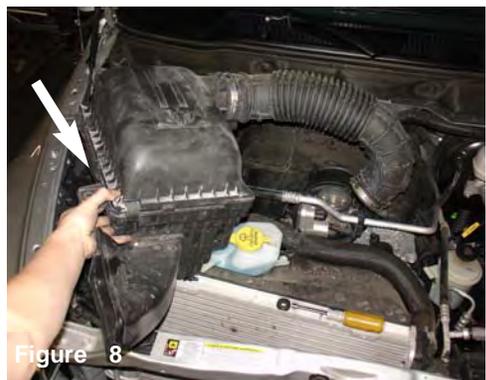


Figure 8 Lift factory air box cleaner and pull entire air box and duct assembly out of engine bay.



Figure 9 Use a 13mm socket and ratchet to remove the two bolts holding the air box support bracket to the fender well.



Figure 10 The six 8mm screws are removed from the plastic wheel well cover as shown above. An additional two screws are under the plastic cover.



Figure 11 The two additional 8mm screws are located directly towards the front of the wheel well.



Figure 12 With all six screws removed from the wheel well cover, peel back on the plastic cover to access the remaining two 8mm bolts.



Figure 13 Use a 13mm socket and ratchet to remove the 2 remaining bolts holding the air box bracket shown in figure 9. Now reinstall the plastic wheel well cover.

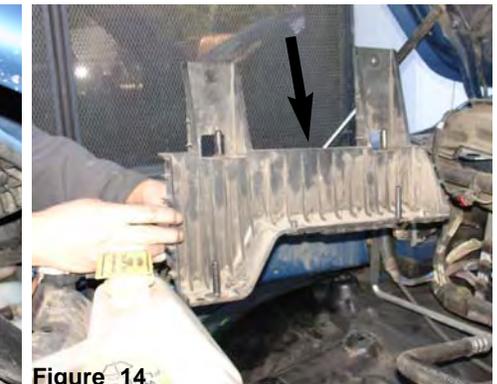


Figure 14 Once all 8mm screws have been removed, continue to pull the air box bracket. This bracket will no longer be used.



Figure 15

Figure (A) Place the 3 1/4"-3 1/2" step hose over the throttlebody with the 3 1/4" side facing down and use 2two 56 clamps Figure (B) Thighteh clamp on throttlebody with a 8mm nut driver



Figure 16

Next to the Hydraulic hood prop, screw in the M8 vibra mount in the pre-threaded hole

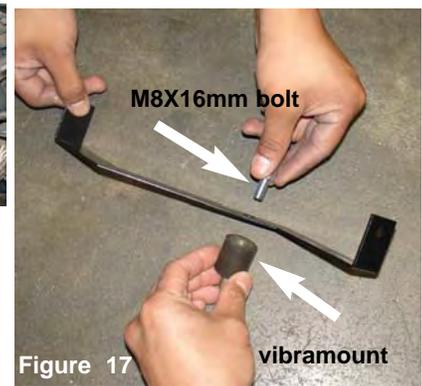


Figure 17

Place the male / femal vibramount with the female side facing up and bolt vibra mount onto the Injen air box bracket with a M8X16mm bolt.



Figure 18

Vibra-mount shown mounted to air box bracket



Figure 19

(Figure A) Place the air box up side down with the front facing you, remove the bottom left M6 button head bolt. (Figure B) Place the air box bracket onto the box and reuse the M6 button head bolt to tighten bracket down.

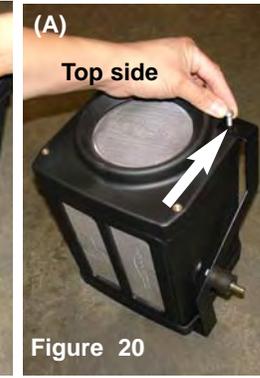


Figure 20

(Figure A) Flip the air box and use the M6X16 button head bolt to mount the other end of the bracket to the air box as shown in Figure B. Use allen key to tighten M6 button head bolt tp top of air box.



Figure 21

(Figure A) Place the L-bracket onto the bottomsides of the air box as soon in photo. (Figure B) Use an allen key to tighten brackert



Figure 23

Place the 3.5"-3.75" step hose with one 56 and one 64 clamp onto the inlet of the air box.



Figure 24

Use a 8mm nut drive and tighten only the clamp on the air box side.



Figure 22

Lower the entire air box assembly into the engine bay and place over the plastic fender well.



Figure 23

Align the m8 vibra-mount to the existing pre-drilled hole located on the plastic fender well.



Figure 24

Under the wheel well plastic coverl, use a M8 nut to secure the M8 vibra mount stud shown in figure 23



Figure 25
Position intake tube to power flow box and throttle body.



Figure 26
Insert tube in to the power flow box hose attached earlier. Do not tighten.



Figure 27
Insert the intake tube into throttle body hose. Do not tighten at this point.



Figure 28
Position Intake tube to proper fit and tighten clamp on power flow box using 8mm nut driver.



Figure 29
Tighten clamps on throttle body using 8mm nut driver.



Figure 30
Install provided grommet to the 3/4" hole on intake tube.



Figure 31
Insert thel temperature sensor into grommet.



Figure 32
Re-connect electrical temperature sensor harness.



Figure 33
Install provided 17mm crank case line to crank case hard line.



Figure 34
Press the hose over the Intake vacuum port.



Figure 35
Align the m8 vibra-mount to the existing pre-drilled hole on bracket and secure using M8 nut.

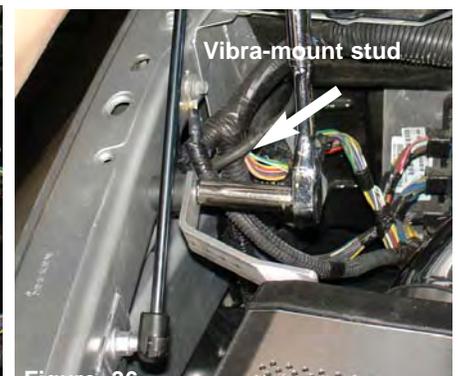


Figure 36
Tighten nut using 13mm socket or wrench.



Figure 37

Check the entire air intake system for best possible fit, once proper clearance has been made through out the length of the intake, continue to tighten all nuts, bolts and clamps.



Figure 38

Congratulations! You have just completed the installation of the World's first tuned intake system, the Power-Flow intake, featuring MR Technology. Periodically, check the system for fitment, this will enhance the life of your Power-Flow system, failure to do so will void the warranty.

Assembly and disassembly instructions for the Power Box for cleaning screens and air filter.



Here are the four-m6 x 20mm bolts that will be removed from the velocity stack base located on the corners of the base.



Unbolt the four- m6 x 20mm screws from the velocity stack base located to the center of the base. Now separate the base from the velocity stack.



The four m6 x 20 bolts have been removed from the top of the velocity stack,



Pull the velocity stack base with the filter that is attached to the velocity stack.



The velocity stack with filter is now out of the power box body.



Once you have loosened the filter neck clamp, continue to pull the filter from the velocity stack,



The rectangular pre-filter screen is now slipped out of the channel along the body of the power box.



Here is a group shot of the components that goes into the power-box. The filter and screens can now be cleaned with a simple shop-vac.

1. Upon completion of the installation, reconnect the negative battery terminal before you start the engine.
2. Align the entire intake system for the best possible fit. Once the intake has been properly fitted continue to tighten all nuts, bolts and clamps.
3. Periodically, recheck the alignment of the intake system and make sure there is proper clearance around and along the length of the intake. Failure to follow proper maintenance procedures may cause damage to the intake and will void the warranty.
4. Start the engine and listen carefully for any odd noises, rattles and/or air leaks prior to taking it for a test drive. If any problems arise go back and check the vacuum lines, hoses and clamps that maybe causing leaks or rattles and correct the problem.
5. Check the filter for excessive dirt build up. Clean or replace the filter with an original Injen filter (can be bought on-line at "injenonline.com"). Congratulations! You have just completed the installation of the best intake system sold on the market. Enjoy the added power and performance of your new intake system.