

Nanofiber technology: Is an oil free filtration media that has been used exclusively in heavy duty applications, including the US Army's Abrams M1 tanks. t

- Part number PF7074**
2004-05 Chevy Silverado 2500/3500
2004-05 GMC Sierra 2500/3500 HD
Durmax 6.6L V8 (LLY)
- 1- Custom cast aluminum intake
 - 1- Large oval filter with inverted top made from Ea nano-fiber media (#1023)
 - 1- Power Box-contents: **W-PBDC-1**
 - 1- Aluminum skin plate (A) (#11043)
 - 1- Main body (B) (#15007)
 - 1- Top air plenum (C) (#15005)
 - 1- Front pre-filter screen (D) (#15011)
 - 1- Air box mounting pad (E) (#15013)
 - 2- m8x16mm low head screw (F) (#6076)
 - 9- M4 x 12mm socket head screw (G) (#6074)
 - 4- m6 x 12mm socket head (H) (#6056)
 - 1- velocity stack w/ Fins (I) (#15030)
 - 1- 45 degree restrictor gauge grommet (J) (#15002)
 - 2- m4x10mm button head screw (K) (#6047)
 - 1- 4.50 x 3.50" wrapped Step hose (L) (#3170)
 - 1- 5 1/2" OD x 2" long straight hose (M) (#3160)
 - 1- Large clamps .072/.512 (#4014)
 - 2- X-Large clamps .612/.88 (#4020)
 - 1- Medium clamps .056/412 (#4005)
 - 1- 5 page instruction
- 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.

Congratulations! You have just purchased the best engineered and most advanced air intake system, equipped with Ea nanofiber air filter.

Please check the contents of this box immediately.

Report any defective or missing parts to the authorized Injen 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 your dealer, Injen Technology.

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

Note: This intake system was tested with an Injen air filter made from synthetic Nanofiber media which has a 100,000 mile service life or four year warranty, whichever comes first

Note: In off-road, frequently dusty or other severe duty applications, clean and change the Injen/AMSOIL air filter more often as determined by operating conditions or as indicated by the air restriction gauge.



Figure 1

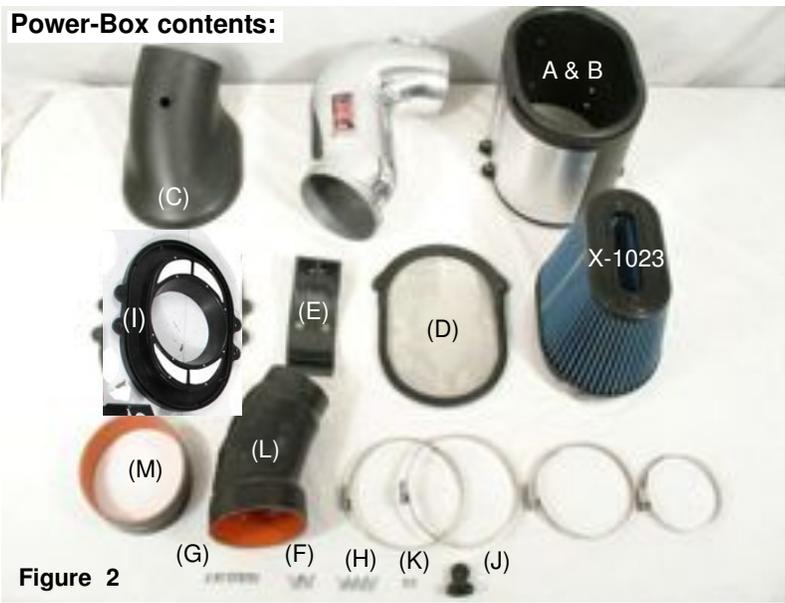


Figure 2

Warning: Do not attempt to disassemble part# W-PBDVC. Product warranty will be voided if it is determined that the W-PBDVS has been tampered with. Contact Injen customer service for service or repair.



Figure 3

The stock air box cleaner and air duct to be removed.



Figure 4

Depress the tab on the electrical harness clip and disengage it from the mass air flow sensor as shown above.



Figure 5

Use the T20 torx bit to loosen and remove the screws holding the mass air flow sensor in the sensor housing.



Figure 6

Once you have removed the screws, continue to pull the mass air flow sensor out of the sensor housing.



Figure 7

Loosen air duct clamp over the turbo inlet hard pipe. The air intake duct will be removed from the turbo inlet.



Figure 8

Once you have loosened the air intake clamp, continue to remove air duct from the turbo inlet then pull the entire air box out of the engine compartment. Pull up on the air box and dislodge air box stand-offs from the grommets.



Figure 9

Pull the air restrictor gauge from the stock grommet to be used later in the instructions.



Figure 10

The stand-offs on the air box mounting plate are designed to be inserted into two of the three stock grommets.



Figure 11

The new restrictor grommet is now pressed into the pre-drilled hole located on the air plenum.



Figure 12

The restrictor grommet is now pressed in and in place. The grommet will be rotated later in the installation to prevent the restrictor gauge from rubbing on moving parts.

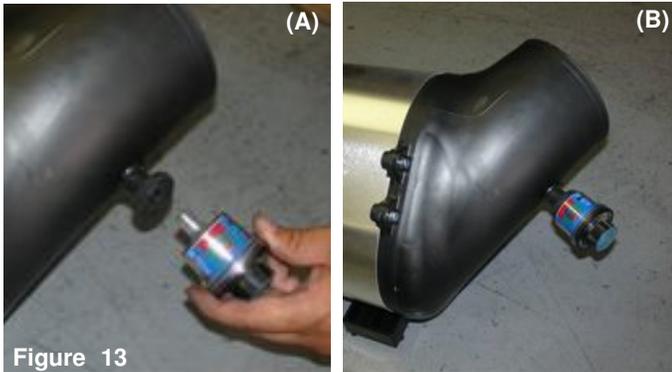


Figure 13

The air restrictor is aligned over the new grommet (A) Once you have aligned the restrictor gauge, insert it into the grommet (B).

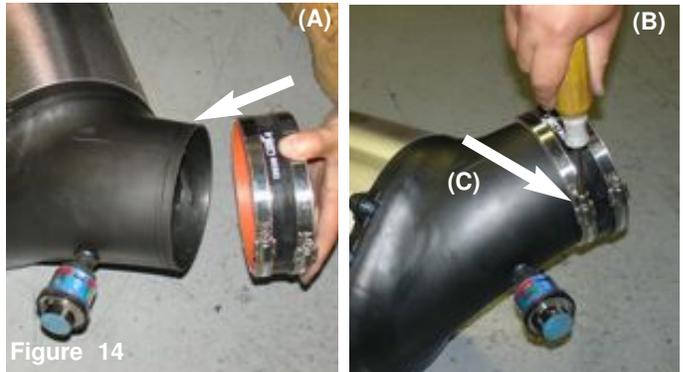


Figure 14

The 5 1/2" straight hose and clamps are assembled and aligned the the Power box plenum (A) Align the straight hose to the edge and press it over the plenum (B) Tighten the clamp located over the plenum for now(C).



Figure 15

.The 5 1/2" straight hose is installed over the plenum, the grommet and restrictor gauge are now installed.

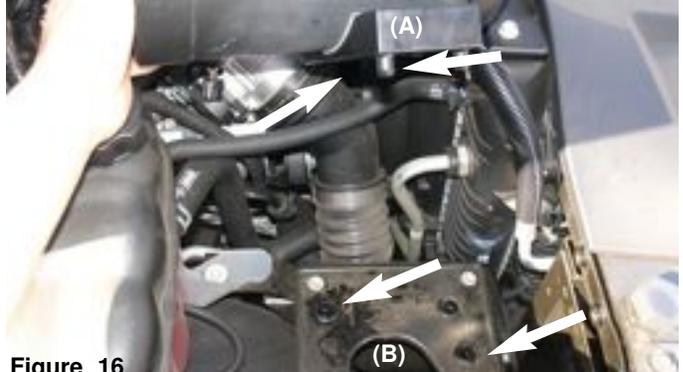


Figure 16

The two stand-offs below the Power box (A) are aligned to the two grommets located on the stock air box mounting plate(B).



Figure 17

The Injen/AMSOIL air box is lowered into the engine compartment and aligned over the stock grommets, the air box is now push down pressed into the grommets.



Figure 18

The new performance air box should be sitting flush over the grommets and the plenum should be facing in the direction of the firewall.



Figure 19

Two clamps are placed over the step hose, the step hose is inserted over the turbo inlet tube. The clamp over the the turbo inlet tube is tightened at this point.



Figure 20

The new step hose is pressed over the turbo inlet. The clamp over the the turbo inlet tube is tightened for now.



Figure 21

The new step hose is now installed over the turbo inlet tube.



Figure 22

The mass air flow sensor is pressed into the machined sensor housing located on the cast intake. Rub a small amount of light oil around the O-ring to prevent the O-ring from kinking or tearing.

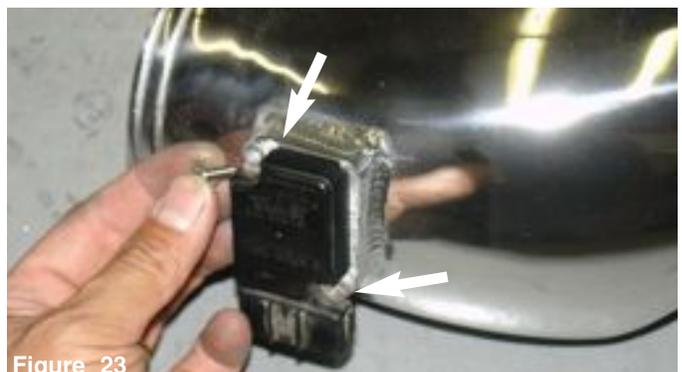


Figure 23

Use the m4 x 12mm button head bolts in this kit to fasten the mass air flow sensor to the machined sensor adapter.



Figure 24

A 2.5mm allen is used to on the button head bolts over the mass air flow sensor.



Figure 25

The cast intake is lowered into the engine compartment and aligned with the step hose.



Figure 26

Once the lower end of the cast intake has been pressed into the hose, continue to press the upper end into the turbo inlet step hose.



Figure 27

The upper air intake is now pressed into the turbo inlet hose, adjust the power clamps for best fit and tighten all clamps.



Figure 28

Once you have adjusted the cast intake, continue to tighten clamp over the the lower cast intake.



Figure 29
Continuing to adjust the cast aluminum intake, tighten the clamp located over the step hose.



Figure 30
The electrical harness clip is aligned to the mass flow sensor and pressed in.



Figure 31
The electrical sensor clip and mass air flow sensor are reconnected again,



Figure 32
All clamps, installed air box and cast intake are checked to make sure there is no rubbing against any moving parts.



Figure 33
Check the entire system for the best possible fit. Once you have checked the entire system for leaks, rubbing or rattling, continue to tighten all nuts, bolts and clamps. Reconnect the negative battery terminal prior to starting the engine.



Figure 34
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.

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/AMSOIL filter now sold 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.