



**Part number SP1122**

**2014-16 428i/xDrive (F32/33/36)**

N20/N26 2.0L 4 cyl. Turbo

**2014-16 420i/xDrive (F32/33)**

N20 2.0L 4 cyl. Turbo

**2012-16 328i/xDrive (F30/31/34)**

N20/N26 2.0L 4 cyl. Turbo

**2013-16 320i/xDrive (F30/31/34)**

N20 2.0L 4 cyl. Turbo

**2014-16 228i/xDrive F22**

N26 2.0L 4 cyl. Turbo

**2014-16 220i/xDrive F22**

N20 2.0L 4 cyl. Turbo 2.0L

**Not CARB legal**

- 1- 2 pc. intake tubes
- 1- 3.25" Web Nanofiber Dry filter (#1059BB)
- 1- Lower air box (#11099)
- 1- Air box cover w/ injen badge (#11097)
- 1- 3.25" Straight hose (#3045)
- 2- #48 clamps (#4004)
- 1- M6 Vibra-mount (#6020)
- 2- M6 Nuts (#6002)
- 2- Fender Washers (#6010)
- 2- M4x16 Button head screws (#6072)
- 4- M6X10 Hex Cap Screws (#6083)
- 1- M6 Stand off-stud (#15023)
- 1- Rubber trim @13.5"L (#6023)
- 1- Sensor grommet (#8002)
- 1- 5mm vinyl cap (#8004)
- 2- .242" Click lock Rivet (#8043)



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**Congratulations! You have just purchased the best engineered, dyno-proven cold 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.

**Note:** Injen strongly recommends that this system be installed by a professional mechanic.

All parts and accessories now sold on-line at : [www.INJENONLINE.COM](http://www.INJENONLINE.COM)

Injen Technology 244 Pioneer Place Pomona CA 91768 USA

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

**M.R. Technology**

**"The World's First Tuned air Intake System!"**

Factory safe air/fuel ratio's for Optimum performance Patent# 7,359,795

Now equipped with "Air Fusion" Patent pending

"At Injen Technology, we didn't copy the step down process, we invented it!"

**Warning: Manufactures attempting to duplicate Injen's patented process will now face legal action.**

MR Technology Step down process:

- 1- Calibration Method for Air Intake Tracts for Internal Combustion Engines. Covered under Patent# 7,359,795
- 2- Calibration Device for Air Intake Tracts for Internal Combustion Engines. Published and patent pending
- 3- Calibration Method and Device for Air Intake Tracts having Air Fusion Inserts. Published and patent pending



Figure 3

Stock air box assembly shown in this picture. Disconnect battery before the install.

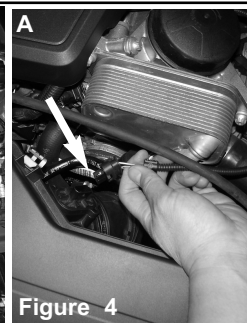


Figure 4

Figure A: Unplug the MAF sensor harness. Figure B: Use a 6mm nut driver and loosen the clamp on the MAF sensor housing located below the air box assembly. Also unplug the vacuum line.

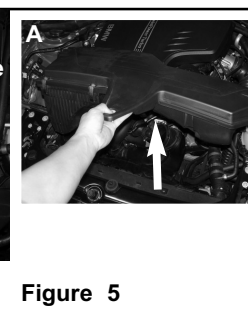
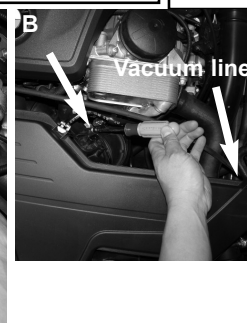


Figure 5

Figure A: Firmly lift up on the OE air box assembly and remove it from the engine bay. Figure B: Use a torx driver and remove the two torx screws from the MAF sensor located on the OE air box assembly and then remove the MAF sensor from the MAF sensor housing.

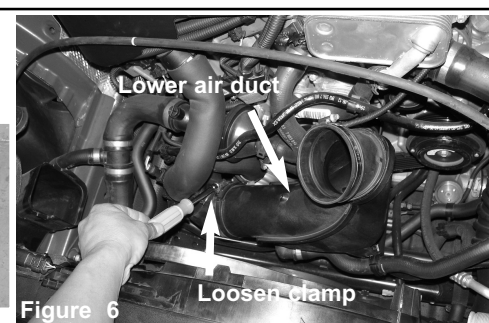
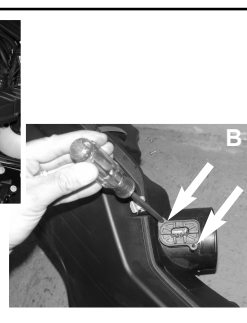


Figure 6

Use a 7mm nut driver to loosen the clamp on the lower turbo air duct. The upper air duct will be removed from the engine bay and no longer be used.



Figure 7

Remove the two factory mounting grommets from the OE air box assembly. These two grommets will be re-used later in the Injen intake kit.



Figure 8

Figure A: Place the 3.25" straight hose and two #48 clamps onto the end of the intake pipe and only secure the lower clamp for now. Figure B: Place the Injen intake pipe into the lower turbo inlet duct from figure 6 and leave the clamp loose for now. This pipe will need to be adjusted later.

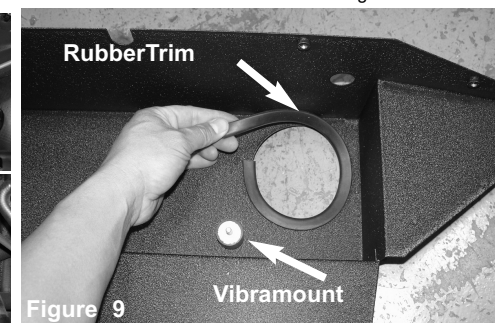


Figure 9

Place the Rubber trim around the 4" hole. Also screw the supplied Vibramount onto threaded hole next to the 4" hole on the lower air box

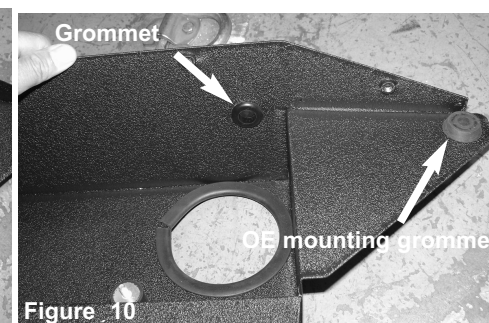
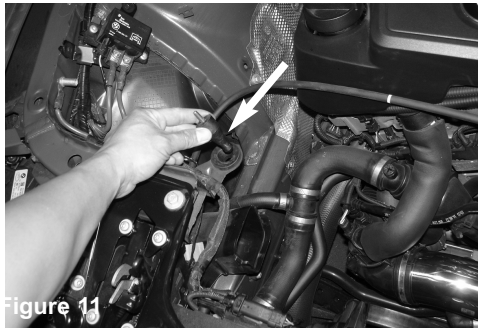
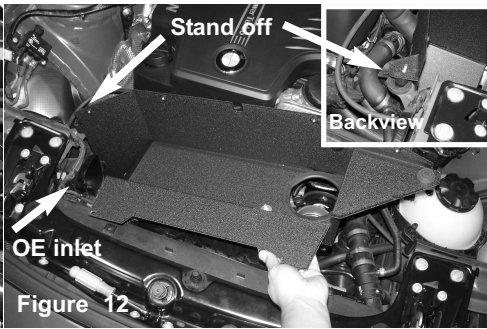


Figure 10

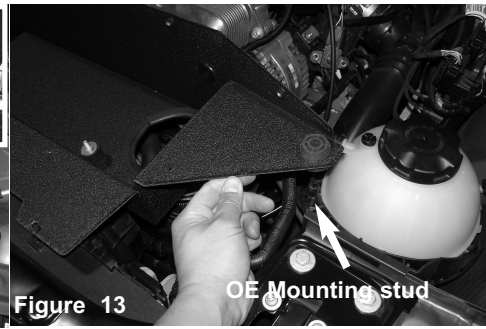
Place the supplied grommet onto the 3/4" hole on the back of the lower air box and then re-use the OE mounting grommet for the 7/8" hole on the right side of the lower air box.



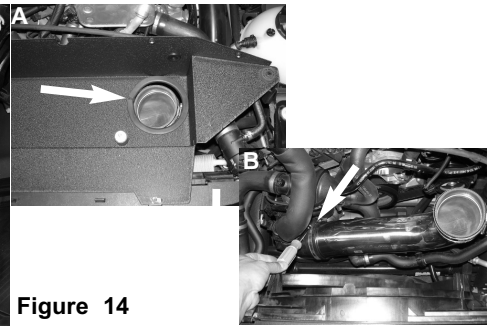
**Figure 11**  
Place the supplied Stand off onto the left side OE air box mounting grommet



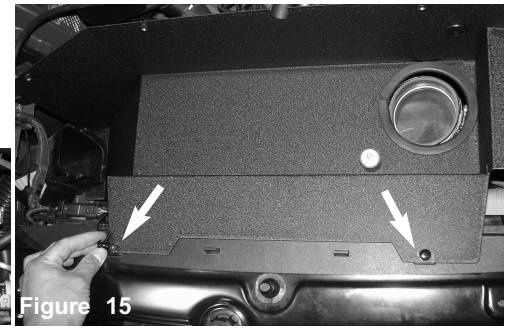
**Figure 12**  
Lower the lower air box into position. Place the left mounting bracket behind the lower air box mounts on top of the stand off from figure 11. Also make sure the left side of the air box goes underneath the OE air box inlet.



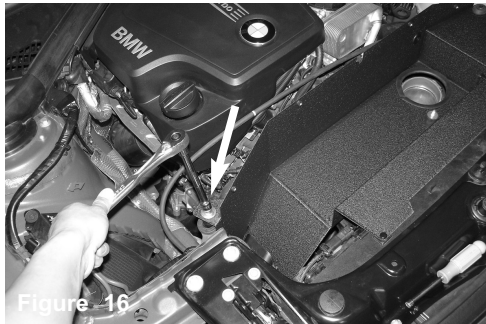
**Figure 13**  
Firmly push the right side of the lower air box grommet onto the OE air box mounting stud.



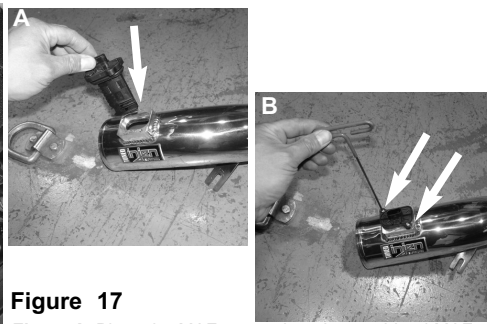
**Figure 14**  
**Figure A:** The lower intake pipe should be perfectly in the center of the 4" hole on the lower air box. **Figure B:** If the lower intake pipe is not centered with the 4" hole, remove the heatshield and re-adjust the lower intake pipe for desired clearance and then secure the clamp.



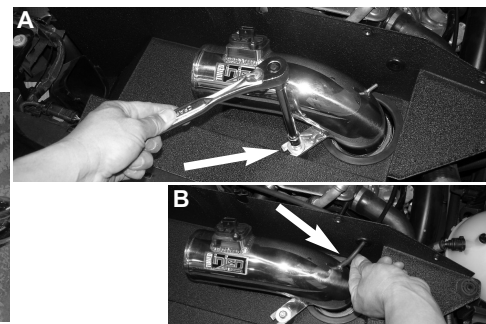
**Figure 15**  
Place the two .242" Click lock Rivet into the two .250" holes in front of the lower air box.



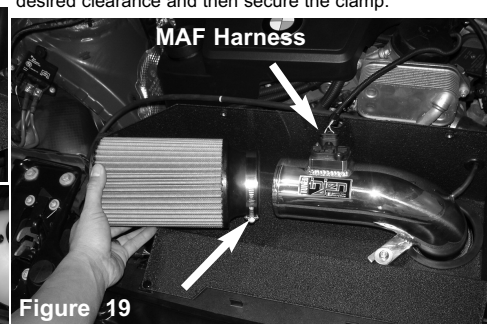
**Figure 16**  
Place a M6 nut and fender washer onto the stand off and secure the nut to the lower air box bracket. Your lower air box is now secured to the vehicle.



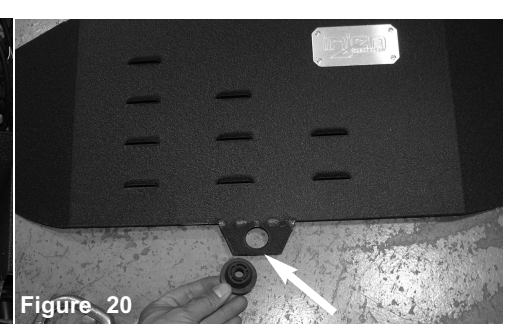
**Figure 17**  
**Figure A:** Place the MAF sensor into the machined MAF sensor adapter on the Injen intake pipe. **Figure B:** Place two M4 bolts onto the MAF sensor and secure the MAF sensor to the intake with a allen wrench.



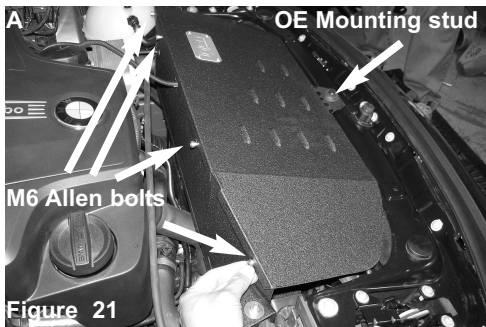
**Figure 18**  
**Figure A:** Place the intake pipe into the 3.25" straight hose located on the lower intake pipe. Place a M6 nut and fender washer onto the intake bracket and secure the intake pipe to the vibramount. **Figure B:** Run the vacuum line through the grommet and connect it to the 1/8" port on the intake tube. if not equipped, use provided vinyl cap.



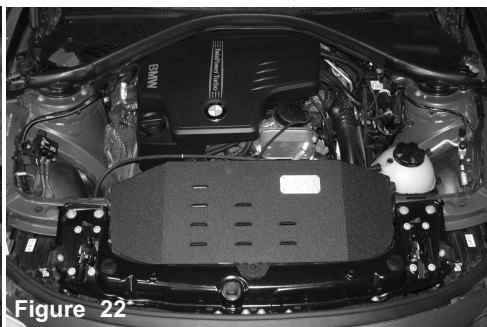
**Figure 19**  
Place the filter onto the end of the intake pipe and then secure the clamp with a 8mm nut driver. Next, plug the MAF sensor harness onto the MAF sensor.



**Figure 20**  
Place the second OE mounting grommet onto the end of the air box cover.



**Figure 21**  
Push the front OE mounting grommet down onto the front OE air box mounting stud. Place the air box cover on top of the lower air box and place four supplied M6 allen bolts onto the back side of the air box cover to attach the air box cover to the lower air box.



**Figure 22**  
Congratulations! You have just completed the installation of this intake system. Periodically, check the alignment of the intake, normal wear and tear can cause nuts and bolts to come loose. Failure to check the alignment and adjust the intake can cause damage that will void the warranty.

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.