



**Part number SP1970**  
**2013 Nissan Sentra**  
**1.8L 4 cylinder**  
**Short Ram Intake System**

- 1- 1 piece Short Ram Intake System
- 1- 2-3/4 Injen web/nano dry filter(#1010)
- 1- 2-3/4" hump hose (#3193)
- 2- Power-bands #040 (#4003)
- 1- 1-1/2" straight hose (#3051)
- 2- Power-bands #20 (#4001)
- 1- m6 vibra-mount (#6020)
- 1- m6 Flange nut (#6002)
- 1- Fender washer (#6010)
- 1- 7 page instruction

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

**Please check the contents of this box immediately.**

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**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.**

**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. In addition to removing the bumper, you will also have to remove the air resonator box, battery and tray when beginning this installation. **Injen strongly recommends that this system be installed by a professional mechanic.**

**MR Technology, "The World's First Tuned Intake System!"**

**Optimum performance, Factory safe air/fuel ratio.**



Figure 1



Figure 2



**Figure 3**  
OEM intake system shown.



**Figure 4**  
Lift up and remove the factory intake snorkel plastic piece.



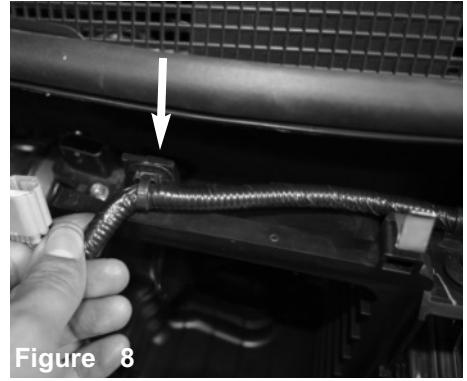
**Figure 5**  
Now, un-clip the factory clips holding in the lower part of the intake air box.



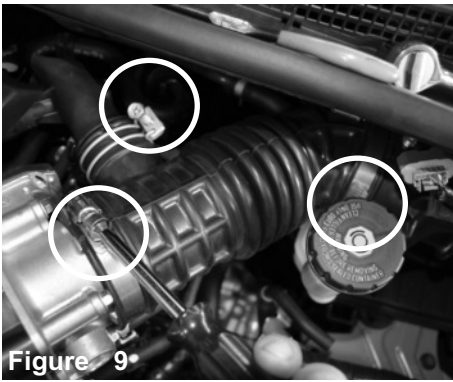
**Figure 6**  
Now lift up and remove the lower part of the air box out of the vehicle.



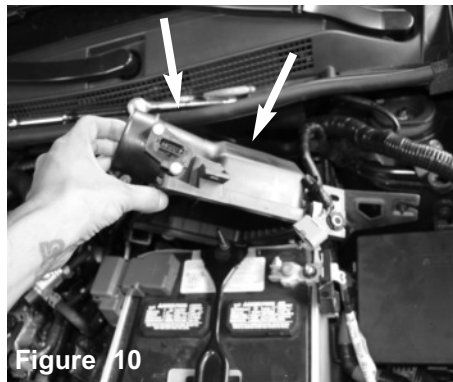
**Figure 7**  
Loosen the 10mm bolt holding in the upper part of the air box. Remove the bolt from the



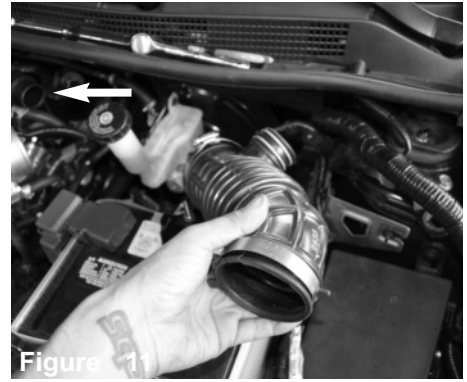
**Figure 8**  
Remove the MAF sensor line away from the upper part of the airbox.



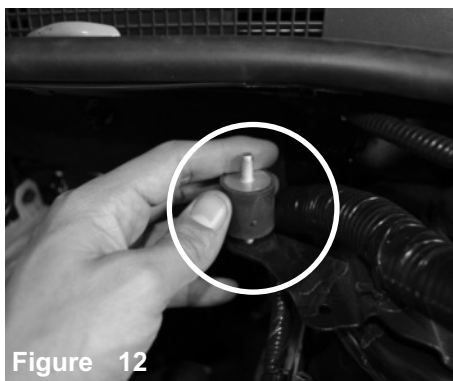
**Figure 9**  
Loosen the 3 clamps shown in above image.



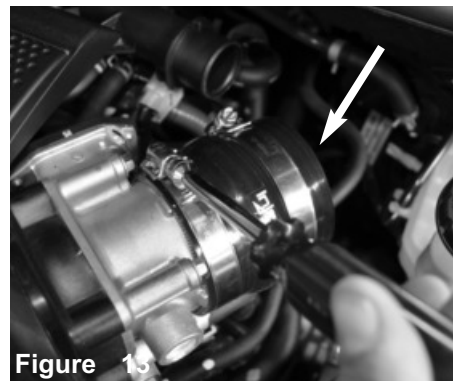
**Figure 10**  
Lift up and remove the upper part of the air box.



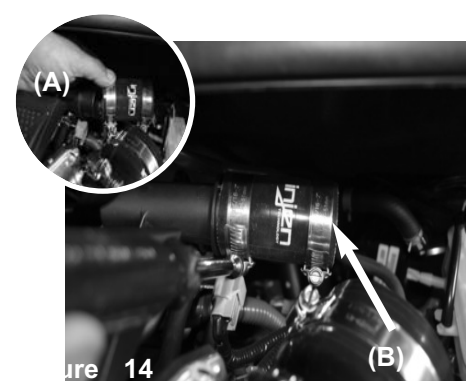
**Figure 11**  
Now pull the hard crank case line from the intake tube. Remove the intake tube from the vehicle.



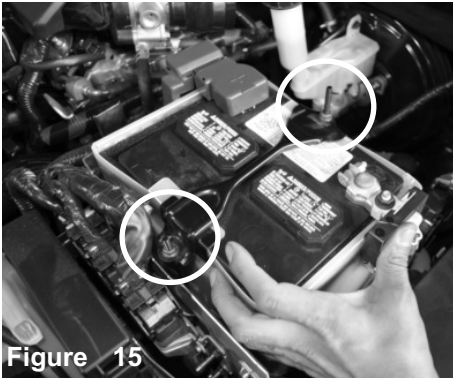
**Figure 12**  
Install the M6 vibramount to the threaded insert from step 5.



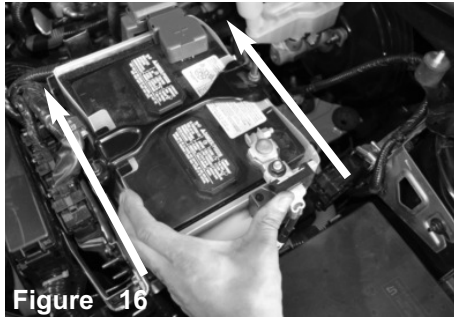
**Figure 13**  
Install the hump hose with clamps provided to the throttle body and tighten clamp on throttle body.



**Figure 14**  
A) Install the hose with clamps provided to the crank case hard line. B) Tighten the clamp on the hard line only.



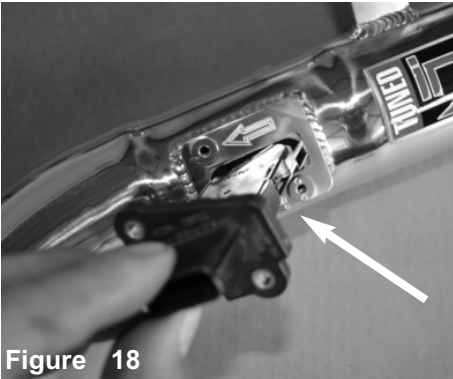
**Figure 15**  
Loosen the 2 10mm nuts holding in the battery bracket tie down.



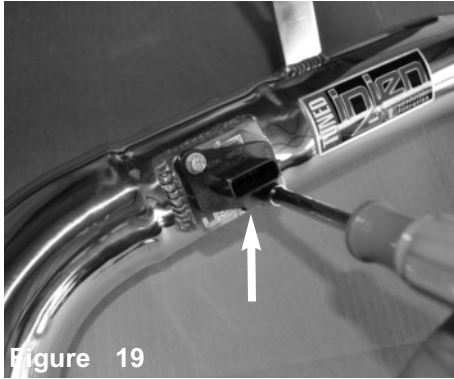
**Figure 16**  
Now push the battery to the left/passenger side closer to the engine. This will give more clearance from the tube touching battery. **Note: Injen Technology is not responsible or liable for damage to battery or intake system and will not be covered under warranty for improper installation or clearance issues.**



**Figure 17**  
Loosen the MAF sensor using 7mm nut driver and remove the sensor. Save screws for later install.



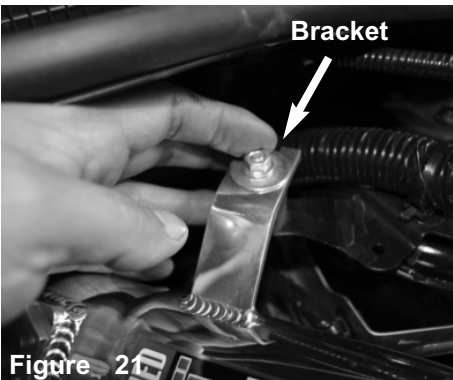
**Figure 18**  
Install the MAF sensor into the intake tube.



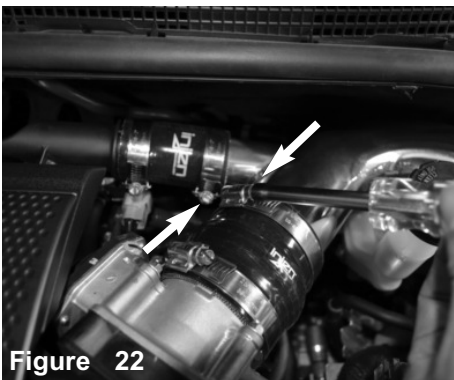
**Figure 19**  
Now secure the MAF sensor using the factory screws and tighten using 7mm nut driver.



**Figure 20**  
Install the intake tube into vehicle and position to the hump hose and the bracket to the vibramount.



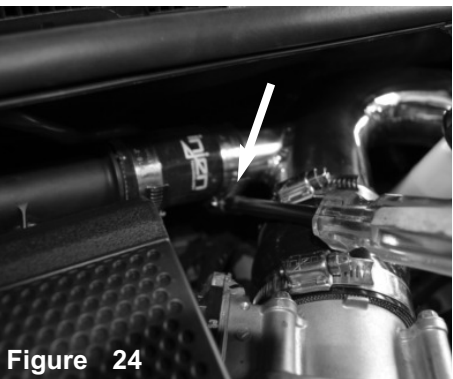
**Figure 21**  
Now secure the bracket using provided fender washer and M6 nut.



**Figure 22**  
Tighten the clamp on the throttle body.



**Figure 23**  
Tighten the vibra mount using 10mm socket and ratchet.



**Figure 24**  
Secure the hard crank case line and tighten using 8mm nut driver.



**Figure 25**  
Install the filter to the tube and tighten using 8mm nut driver. Note: make sure there is clearance between the filter and the battery.



**Figure 26**  
Connect the MAF sensor harness.



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. **Note: Check clearance and adjust if needed! Failure to check the alignment and adjust the intake can cause damage that will void the warranty. Injen Technology is not responsible for any damages caused by/from improper installation.**

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.
- 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.