



**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

**Part number SP1902  
2011-12 NISSAN JUKE  
1.6L 4cyl. TURBO  
SHORT RAM**

1- intake pipe equipped with **MR Tech and Air Fusion**

- 1- **3" Tuned Filter (#1020)**
- 1- M6 vibra-mount (#6020)
- 2- M6 flange nuts (#6002)
- 1- M6 washers (#6010)
- 1- 2" straight hose (#3072)
- 2- #28 clamps (#4021)
- 1- 4 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.**

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.

**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.**



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

### **MR 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!"**



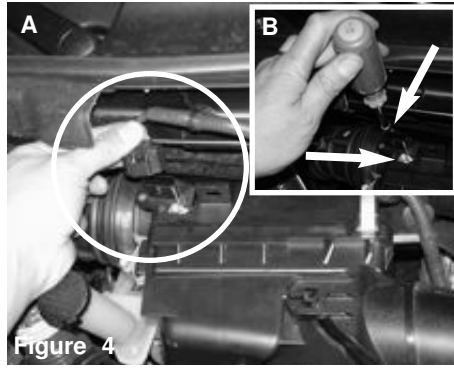
Figure 1



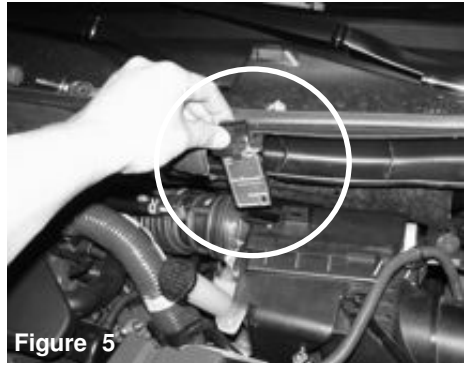
Figure 2



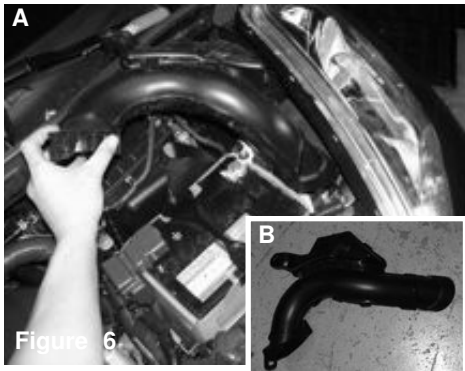
**Figure 3**  
Stock box shown in this picture



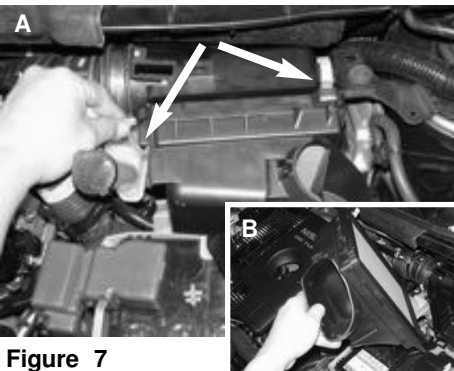
**Figure 4**  
**Figure A:** Unplug the MAF sensor harness from the MAF sensor. **Figure B:** Use a 7mm nut driver and remove the two 7mm bolts from the MAF sensor.



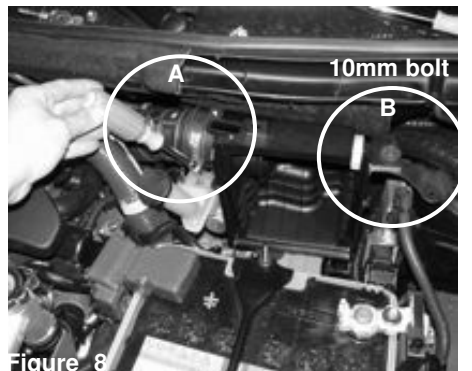
**Figure 5**  
Pull the MAF sensor out of the factory air box housing.



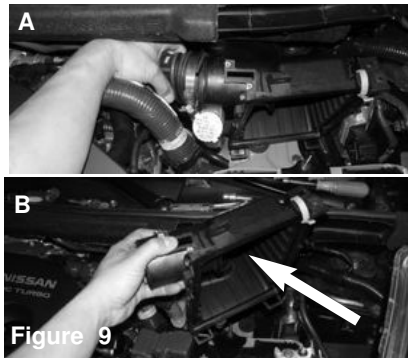
**Figure 6**  
**Figure A:** Remove the air duct from behind the driver-side headlight. **Figure B:** Air duct shown



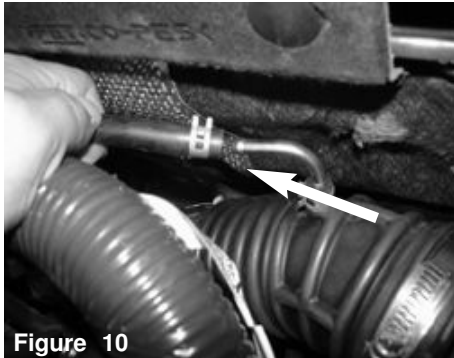
**Figure 7**  
**Figure A:** Un-clip the two tabs on the top of the air box housing. **Figure B:** Remove the front of the air box housing



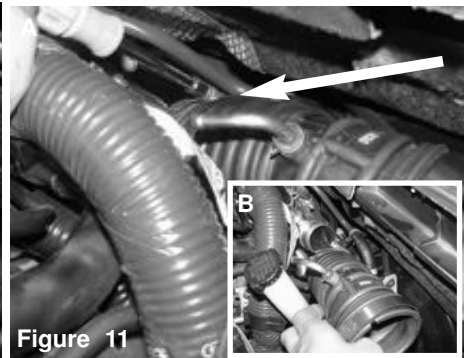
**Figure 8**  
**Figure A:** Use a 8mm nut driver and loosen clamp on air duct to air box. **Figure B:** Loosen 10mm bolt on air box attached to bracket on shock tower.



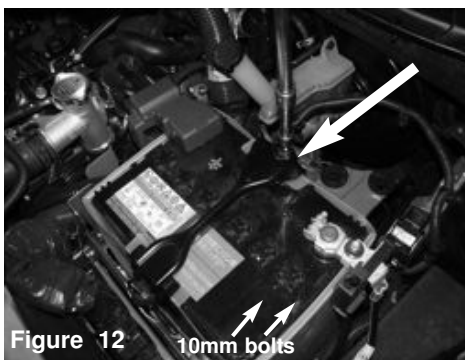
**Figure 9**  
**Figure A:** Detach the air duct hose from the air box housing. **Figure B:** Remove the entire rear air box housing



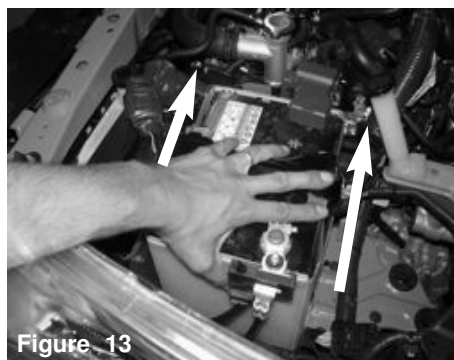
**Figure 10**  
Remove the vacuum line from the fitting on the turbo auxiliary hose. Pull back using pliers.



**Figure 11**  
**Figure A:** With 8mm nut driver, loosen the clamp on the turbo. **Figure B:** Remove the stock turbo auxiliary hose.



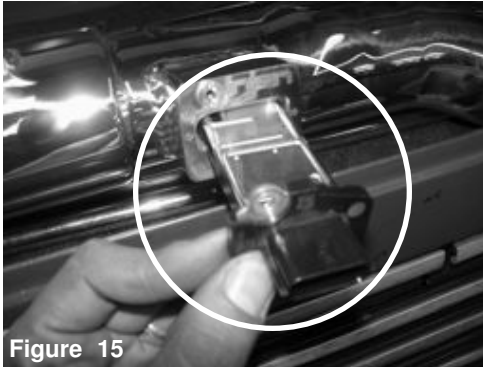
**Figure 12**  
with 10mm socket and ratchet, loosen the battery bracket.



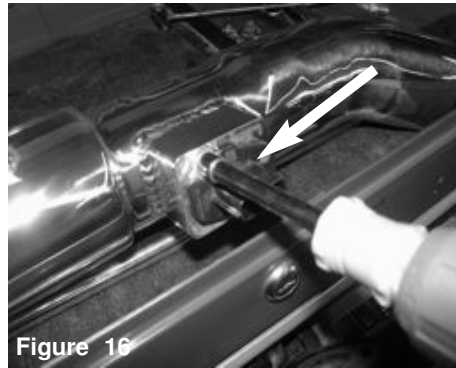
**Figure 13**  
Now, carefully push the battery closer to the engine, this should allow more clearance for the short ram. Should move 1/4 -1/2.



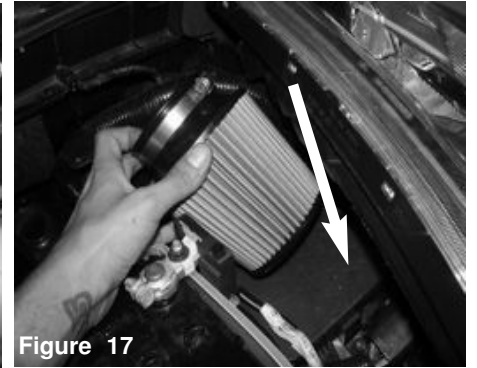
**Figure 14**  
Install the 2" straight hose to the turbo using clamps provided. Tighten the clamp on the turbo only using 8mm nut driver.



**Figure 15**  
Install the MAF sensor into the new intake tube.



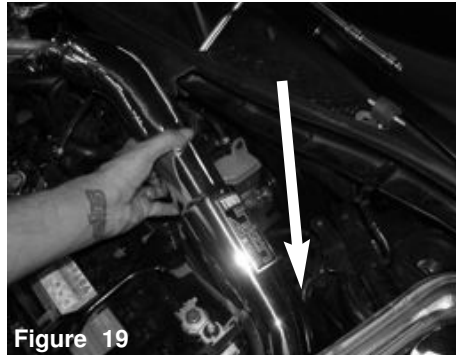
**Figure 16**  
Secure using the factory M4 screws and tighten using 7mm nut driver.



**Figure 17**  
Install the filter and position next to battery and fender.



**Figure 18**  
Position so that the filter sits like in the above image.



**Figure 19**  
Install the intake tube. Note: position the filter side first into the vehicle first towards the filter, position so that the turbo side will slide into place.



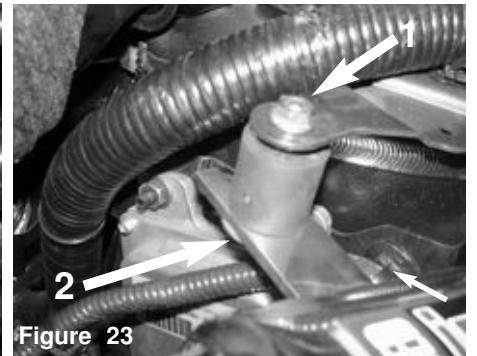
**Figure 20**  
Position the intake tube and install into the hose from step 14. **Do not tighten.**



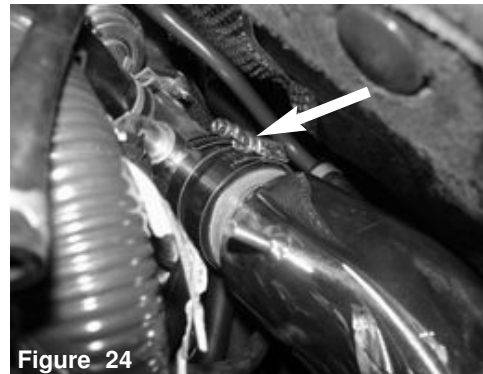
**Figure 21**  
Install the vibra mount to the threaded fitting from under the bracket located on the strut tower.



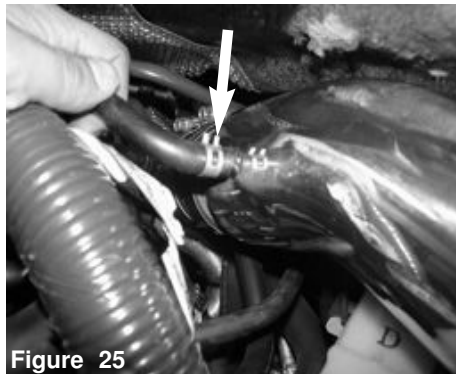
**Figure 22**  
Tighten upwards and secure. Position the bracket on the intake tube.



**Figure 23**  
1) Secure the top of the vibra mount using provided M6 nut. 2) Secure the bottom of the vibra mount using provided M6 nut and washer.



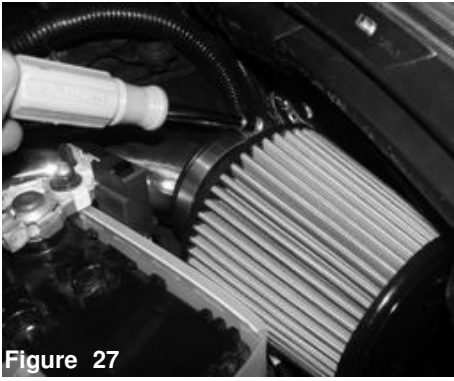
**Figure 24**  
Tighten the clamps on the turbo using 8mm nut driver.



**Figure 25**  
Install the vacuum line to the fitting on the intake tube.



**Figure 26**  
Re-connect the MAF sensor harness.



**Figure 27**

Install the filter to the intake tube. Tighten using 8mm nut driver.



**Figure 28**

Re-install the engine cover if removed.



**Figure 29**

Position for the best possible fit. Make sure nothing is hitting or rubbing indicated by the arrows. Loosen the clamp and the vibra mounts and adjust if necessary for better fit.



**Figure 30**

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.

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.