



Part number RD1834
04-05 Ralliart Mivec
4 Cyl. 2.4L

- 1- 2 pc. cold air intake
- 1- 2 3/4" Injen filter (#1013)
- 2- 2 3/4" straight hose (#3043)
- 4- Power-Bands(.040)(.312) (#4003)
- 2- M6 Vibra-mounts (#6020)
- 2- M6 flange nuts (#6002)
- 2- Fender washers (#6010)
- 1- Wire tie (#8001)
- 1- instruction



Note: This application will require the removal of the front bumper, battery and battery tray, stock air intake box and air intake duct. For proper installation some mechanical skills are required or a qualified mechanic is recommended.





Figure 2

Disconnect the battery terminals and remove the battery. This will allow easy access into the bumper section when the secondary intake is installed.



Figure 3

Remove the hose from the radiator to the reservoir bottle. Unhook the bottle from the stock bracket and remove the bottle for now.



Figure 4

In order to install this cold air intake system it will be necessary to remove the plastic battery tray.



Figure 5

Press the 2 3/4" straight hose over the throttle body and use two clamps. Tighten the clamp on the throttle body side for now.



Figure 6

Remove the stock air box brace from its original location. This brace will no longer be needed.



Figure 7

Remove the 6mm stock bolt and replace it when the vibra-mount in this kit. Make sure that the vibra-mount is fastened tight before moving on to the next step.



Figure 8

Remove the mass air flow sensor from the stock air intake box. Press the sensor into the machined bracket located on the primary intake. Use the stock screws to fasten the sensor in place.



Figure 9

Press the sensor end on the primary intake into the hose on the throttle body. Line up the bracket on the intake to the vibra-mount stud.

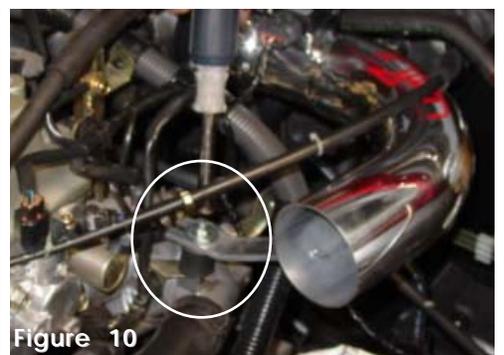


Figure 10

Take the m6 flange nut and fender washer and fasten it to the vibra-mount stud. Semi-tighten the nut and clamp at this point.



Figure 11

Take the stock vacuum line on the crankcase and reconnect it to the 3/8" port located on the primary intake.



Figure 12

Take the stock ECU harness and plug it into the mass air flow sensor now located on the primary intake.



Figure 13

This intake system can also be used as a short ram. Proceed to figure 14 for cold air intake installation.



Figure 14

Take the remaining 2 3/4" straight hose and press it over the end of the primary intake. Use two clamps but only tighten the clamp on the intake side at this point.

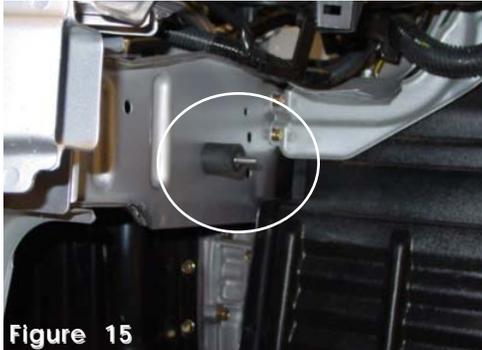


Figure 15

Take the remaining vibra-mount and screw it into the side of the frame located in the bumper area.



Figure 16

Once the bumper has been removed it will be necessary to cut a 5" x 5" opening in the mud guard leading into the engine compartment.



Figure 17

Take the secondary intake and filter located in this kit. Press the filter on the end of the secondary intake and fasten the clamp on the filter neck.



Figure 18

Insert the top end of the secondary intake into the bumper opening and through the mud guard opening. Slip the intake up and into the engine compartment until it meets up to the primary intake.



Figure 19

Press the top of the secondary intake into the 2 3/4" hose on the primary intake. Adjust the secondary intake until you achieve the best possible fit.

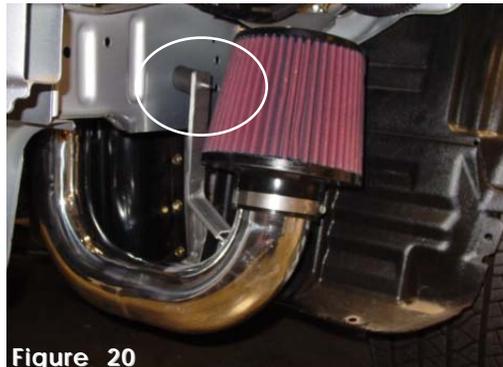


Figure 20

As the upper end of the intake is being adjusted and fitted, align the bracket to the vibra-mount stud. Use the m6 flange nut and fender washer to secure the intake in place.



Figure 21

Insert the stock reservoir bottle back to its original location.

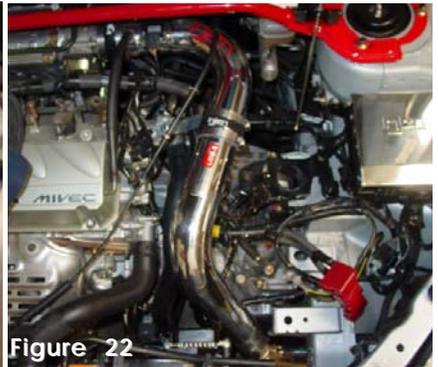


Figure 22

Place the battery back in its stock location. Adjust the entire intake system for best possible fit. Once you have proper clearance throughout the length of the intake continue to tighten all nuts, bolts and clamps. Recheck all vacuum lines.

1. Once the installation is complete, 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
6. Congratulations! You have just completed the installation of the best cold air intake system sold on the market. Enjoy the added power and performance of your new intake system. Injen Technology does not promote speed and careless driving, exercise caution and safety when operating a vehicle.