



Part number RD1833

2004-05 Mitsubishi Lancer Ralliart
MIVEC 2.4 4 cyl.

- 1- Cold air intake
- 1- **2.75" filter** (#1013)
- 2- 2.75" straight hose (#3043)
- 4- Power-Bands(.040)(.312) (#4003)
- 2- m6 vibra-mount (#6020)
- 2- m6 flange nut (#6002)
- 2- Fender washer (#6010)
- 1- Wire tie (#8001)
- 1- instruction



Figure 1



Figure 2

Remove all air intake ducting and air intake box leading to the throttle body. For this application it will be necessary to remove the black air intake brace to make room for the bracket on the intake.

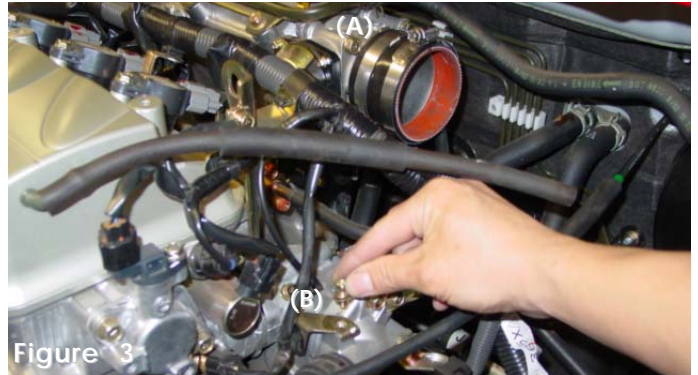


Figure 3

Press the 2 3/4" hose over the throttle body and use two clamps, tighten the clamp on the throttle body (A). Remove the zinc plated bolt from the brace (B) this is where the intake vibra-mount will be located.



Figure 4

Screw the vibra-mount in place until it bottoms out.



Figure 5

Remove the air temperature sensor from the stock air intake box. Insert the sensor into the machined adapter located on the air intake tube.



Figure 6

Place a zip tie around the harness to make sure it is safely tucked away from any moving objects.



Figure 7

Press the top end of the primary intake into the straight hose on the throttle body and semi-tighten the clamp (A). Press the stock vacuum line over the 3/8" port on the intake (B). Plug the harness clip back on to the sensor until you hear a sharp snap (C)

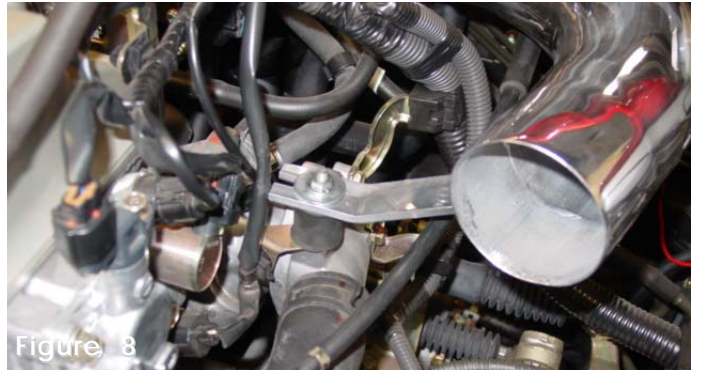


Figure 8

Line up the bracket on the intake to the vibra-mount stud and use an m6 flange nut and fender washer to hold it in place.



Figure 9

On rainy day always place the filter over the end of the primary intake. This system can be converted into a short ram.



Figure 10

To continue with the cold air installation, press the 2 3/4" straight hose over the end of the primary intake, use two clamps on the hose but only tighten the clamp on the intake at this point.



Figure 11

Remove the plastic battery tray before installing the cold air intake. This will allow more room through out the length of the secondary intake.

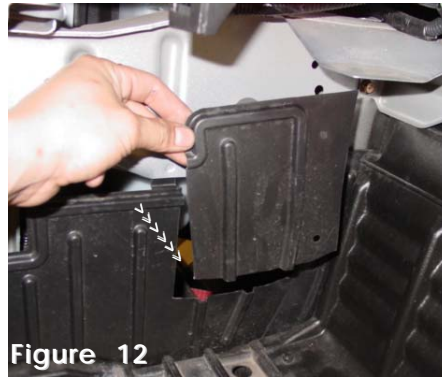


Figure 12

Take a razor and cut a 5" x 5" square opening below the frame leading into the bumper area.

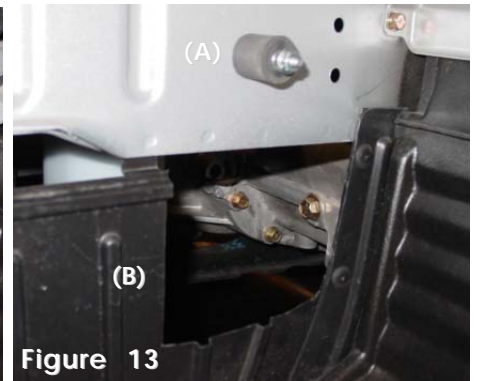


Figure 13

Screw the secondary vibra-mount into the pre-tapped hole on the wall of the frame of the car (A). The plastic guard has been cut and prepped for the installation of the secondary intake (B).



Figure 14

Inserts the secondary intake into the plastic opening and up into the engine compartment.



Figure 15

Line up the bracket on the secondary intake to the vibra-mount stud. Use the m6 flange nut and fender washer to secure the intake in place.



Figure 16

Allow plenty of clearance when installing the secondary intake. There should be clearance between the battery and the radiator hose.



Figure 17

Now the top end of the secondary intake is pressed into the 2 3/4" hose located on the primary intake. Line up the intake for best possible fit before tightening any nuts, bolts or clamps.



Figure 18

Press the filter on the end of the secondary intake and tighten the clamp located on the filter neck.



Figure 19

Congratulations! The installation is now complete.

Note: This application will require the removal of the battery and battery tray.

1. Remove the stock air intake box and air intake duct leading to the throttle body. Remove the stock air box bracket located on the driver side transmission housing. Removal of the front bumper will be required in order to locate the secondary intake in the driver side front wheel well section.
2. Remove the m6 bolt holding the stock harness brace in place and screw the vibra-mount in its place. (See figs. 3 and 4)
3. Press the 2 3/4" straight hose over the throttle body and use two clamps. Tighten the clamp on the throttle body at this point. (See fig. 3)
4. Remove the air temperature sensor and screws from the air intake box and insert it into the machined adapter. Use the stock screws to secure the sensor in place. (See fig. 5)
5. Use the zip tie in this kit to secure the harness line away from moving objects. (See fig. 6)
6. Take the assembled primary intake and press the sensor end into the 2 3/4" hose on the throttle body. (See fig. 7) Line up the bracket on the intake to the vibra-mount stud and use the m6 nut and fender washer to secure the intake in place. (See fig. 8)
7. Press the stock vacuum line over the 3/8" nipple on the intake. Reconnect the harness clip into the air temperature sensor until you hear a short snap. (See fig. 7)

Note: Short ram application

8. This cold air intake can also be converted into a short ram whenever the need arises on those rainy days.
9. Slip the remaining 2 3/4" hose and press it over the end of the primary intake and use two clamps, only tighten the clamp on the intake side. (See fig. 10)

Note: The following steps will require removal of the front bumper.

10. Remove the battery and battery tray from its present location. Cut a 5" x 5" panel opening below the frame and in the plastic splash guard. (See figs. 11, 12 and 13)
11. Insert the top end of the secondary intake into the panel opening made. Slip the intake up into the engine compartment and into the 2 3/4" straight hose on the primary intake. (See figs. 14, 16 and 17)
12. Align the intake bracket to the vibra-mount stud and use the m6 nut and fender washer to secure the intake in place. (See fig. 15)
13. Press the filter element over the end of the cold air intake and tighten the clamp on the filter. (See fig. 18)
14. Align the entire intake for best fit. Once clearance has been made through out the length of the intake continue to tighten all nuts, bolts and clamps. (See fig. 19)
15. Reposition the battery back to its original location and reconnect the battery terminals.
16. Remove all tools and rags from the engine compartment before starting the engine.
17. Congratulations! You have just completed the installation.