



AMS Mitsubishi
Lancer Ralliart
Power Kit

The goal of AMS is to provide the highest quality, best performing products available. By utilizing research and development, and rigorous testing programs AMS will never compromise the quality or performance of our products. In addition, AMS will only provide the finest customer service offering only parts and advice that are in the best interests of the customer. AMS was built on a foundation of integrity. This is who we are; this is what you can count on.

A vehicle modified by the use of performance parts may not meet the legal requirements for use on public roads. Federal and state laws prohibit the removal, modification, or rendering inoperative of any part or element of design affecting emissions or safety on motor vehicles used for transporting persons or property on public streets or highways. Use or installation of performance parts may adversely affect the drivability and reliability of your vehicle, and may also affect or eliminate your insurance coverage, factory warranty, and/or new OEM part warranty. Performance parts are sold as-is without any warranty of any type. There is no warranty stated or implied due to the stresses placed on your vehicle by performance parts and our inability to monitor their use, tuning, or modification.

These instructions are provided as a guide only as there are many variables that cannot be accounted for concerning your particular vehicle, including but not limited to model year differences, model differences, the presence of non-OEM parts, and modifications that may already be or were previously installed. A basic knowledge of automotive parts and systems is helpful but a better understanding of the parts and systems on your particular vehicle may be required.

If you have any questions or issues at any time during the installation of your AMS product(s) please call us for technical assistance. The AMS tech line can be reached at 847-709-0530 for AMS products only.

Please be aware that the installation of an intake system onto a Mitsubishi Lancer Ralliart will require the car to be tuned, serious engine damage can occur if the vehicle is not properly tuned. We offer stock ECU flashes for the Ralliart. Please call us for more information, 847-709-0530 or visit our website at www.AMSPerformance.com

These instructions are for the AMS Ralliart intake, battery kit and air filter fan shield installation.

Difficulty Level: 1 Wrench, Typical Bolt on, No lifting of car required, Basic Hand Tools only, Very minor cutting involved

Tools Required:

- 10 and 12mm Sockets
- Flat Blade and Philips Screwdrivers
- 5/16 or 8mm Nutdriver
- 12mm Wrench
- 10mm Wrench

Packing List:

Intake:

- Intake Tube
- Custom Silicone Turbo Coupler
- K&N Air Filter
- Zip Tie
- 1 ft. 10mm Hose
- Bypass Valve Silicone Coupler
- 2 Hose Clamps

Battery Kit:

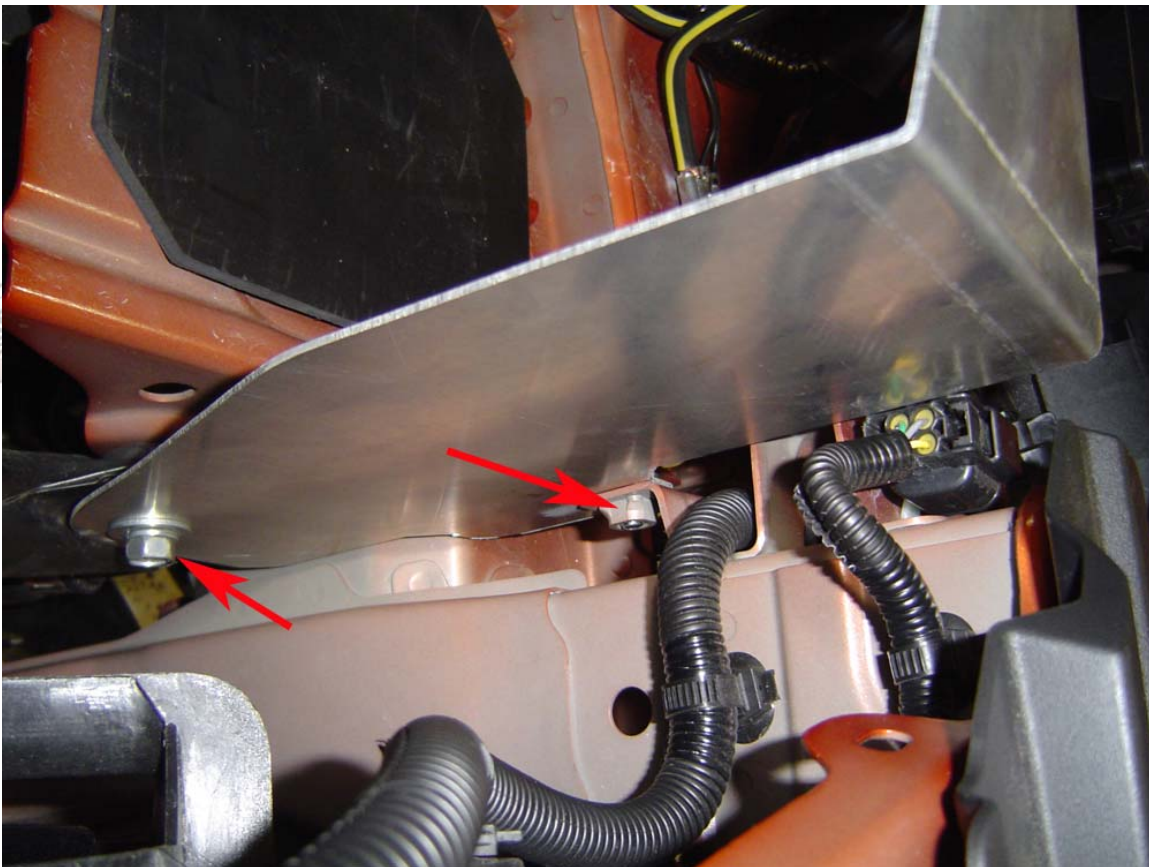
- Small Battery
- 2 Fastening Hooks
- 2 Washers
- 2 Wing Nuts
- Rubber Pad

Air Filter Fan Shield:

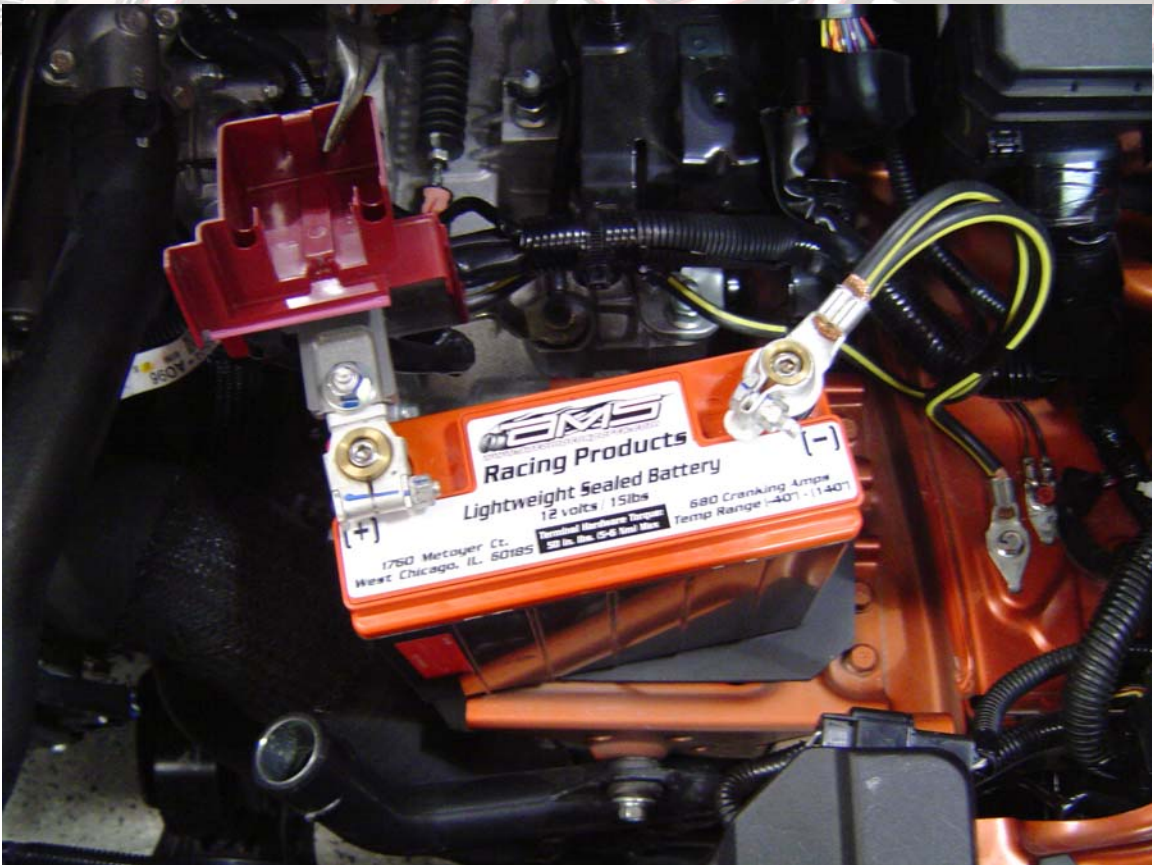
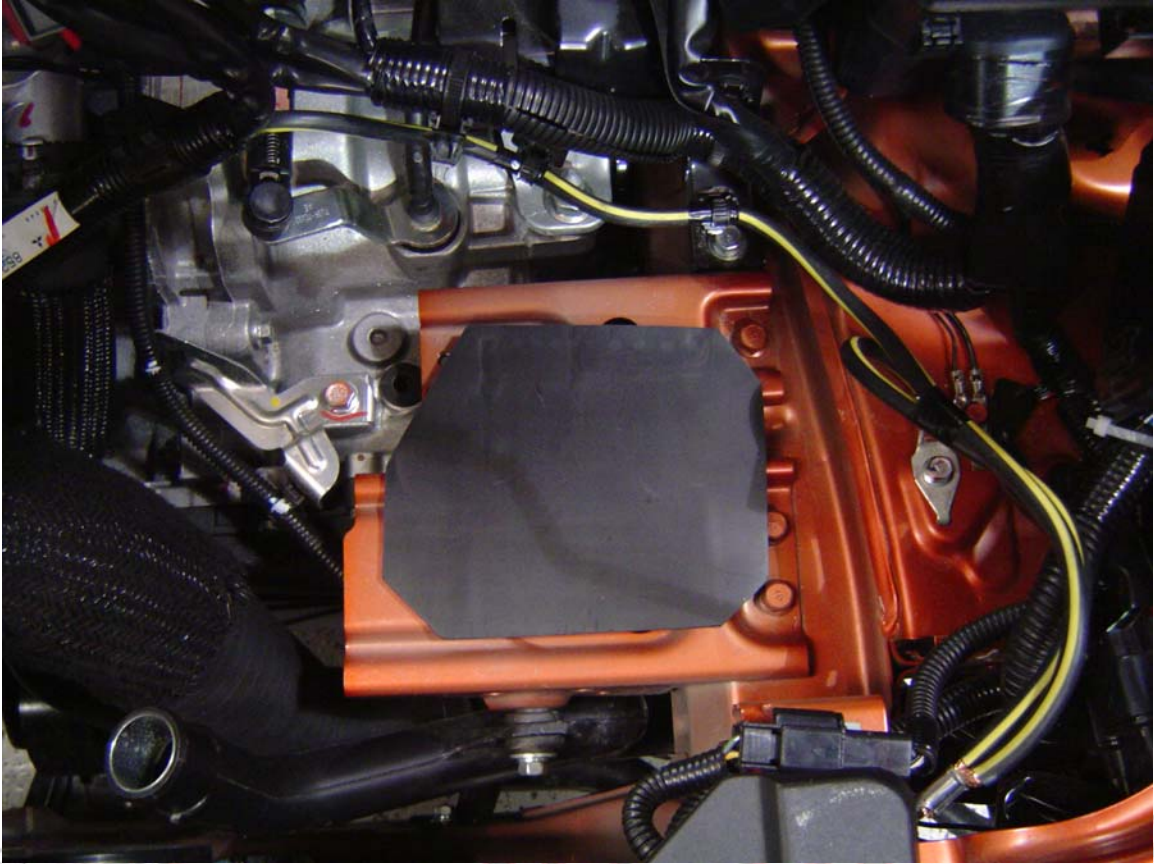
- Filter Fan Shield
- M8x1.25 x 12m Bolt
- M8x1.25 x 35m Bolt
- 2 Lock washers
- 2 Spacers (1 Long, 1 Short)

Installation Instruction:

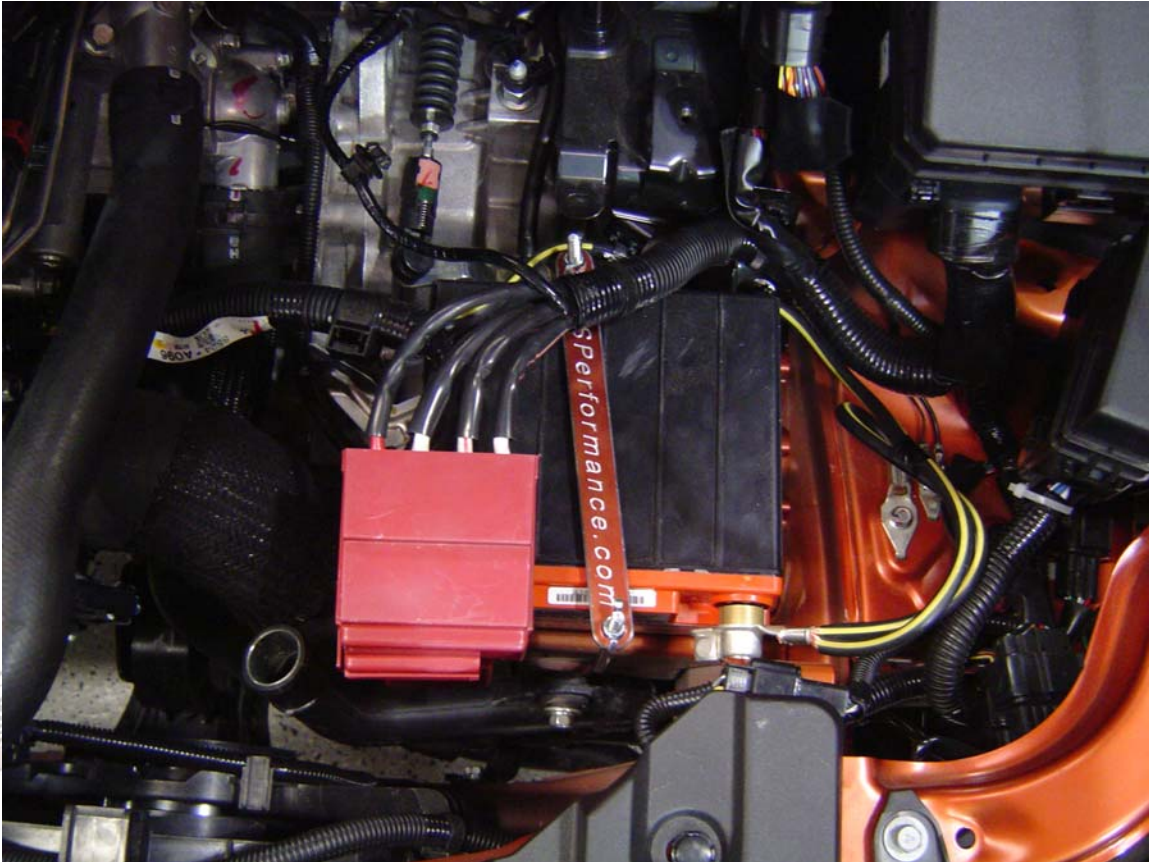
- 1) Remove air duct, battery cover, battery, lower battery tray and silver wiring harness bracket that is mounted with two bolts to the battery tray.
- 2) Remove bypass valve along with both tubes connected to it.
- 3) Remove air intake box and tube.
- 4) At this point you can now install the air filter fan shield using the supplied M8 bolts. If you are using an OEM or Aftermarket intercooler pipe that still utilizes the mount on the battery tray remove the bolt and install the fan shield with the spacer in between the shield and intercooler pipe tab, tighten it down with the supplied longer M8 bolt. If you are using an Aftermarket intercooler pipe that doesn't have the mount you will need to use the supplied longer spacer to space the fan shield away from the battery correctly. Refer to picture below.



- 5) Remove the backing from the battery tray and stick it into place. Then you can set the battery on it and install the battery cables at the angles shown.



6) You can now lay the battery into position and tie it down using the supplied tie down. This can be done using the OEM hook locations. You may have to remove some of the wire tie downs to allow the cables to move with the battery.



7) Install the turbo to intake custom silicone coupler onto the turbo, leave the clamps loose at this time. This coupler is to be routed underneath the fuel lines and engine harness. Be sure to completely seat the coupler onto the turbo.

8) Install the intake pipe and filter leaving the clamps loose for further adjustment.

9) Now at this time get the tube that connected the bypass valve to the intercooler piping and cut 1 in. off of one end as shown below*. The end that you cut goes to on the bypass valve, the other end to the intake.



***Notice which end to cut the section out of, one end of the tube has a tighter bend then the other. Do not cut the side that has the tighter bend. In most cases from the factory the end you need to cut is marked with a yellow line.**

10) Spend some time and get everything fitted to your liking. The silicone coupler on the turbo allows for the intake pipe to be shifted in many different directions. Once everything is fitted check all connections and do a final tightening of all clamps.

11) If you ordered your intake with bungs replace the OEM intake to valve cover hose with the included 10mm silicone hose and clamp with the OEM clamps from the hose you removed. Also re-connect the boost control solenoid to the intake and mount solenoid however you would like, in most cases it can be zip tied to the harness below the intake.

12) Install and connect your airflow sensor and **Get your car tuned ASAP!**

