



## Cold Air Intake for Jackson Racing Superchargers 99-05 1.8L Miatas

### Packing List:

The Following Parts should be in your intake kit when it arrives. If you can not find all of the parts listed below, please contact DDMWorks, or Rspeed for assistance.

- 1 Stainless Steel Intake Box
- 2 Stainless Steel Lid
- 3 3" diameter intake tube with hose adapter fitted
- 4 3" Inlet Uni Foam Filter
- 5 Bag of Installation hardware
  - 5 10mm Hex Head bolts
  - 7 Flat Washers
  - 5 lock washers
- 6 Bag of Hardware for Lid Installation
  - 6 Phillips Head Stainless Steel Screws

### **DDMWorks**

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Rev. 12-12-05 DM



## Cold Air Intake for Jackson Racing Superchargers 99-05 1.8L Miatas

This Cold Air intake improves on the Jackson Racing Supercharger by supplying cold air to the supercharger, and providing a larger 3" intake pipe increasing the power potential of the kit.

Installation time of the Cold air intake depends on you and your mechanical skills. It is suggested that you read through these directions a few times to familiarize yourself with the components of the kit, and your car.

If you are pretty handy with tools the intake can be installed in under 30 minutes, however we suggest that you schedule at least an hour for the install.

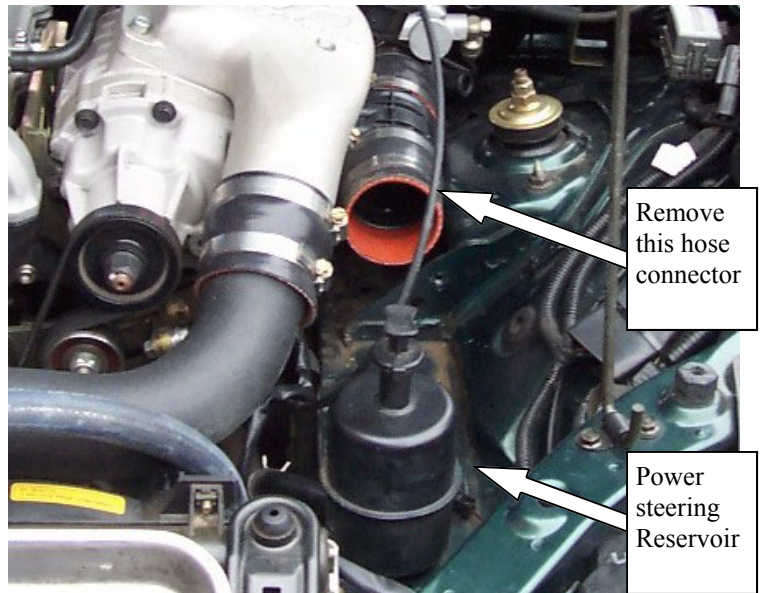
### Tools you will need:

Wrenches:	10mm
Sockets:	10mm socket
	Socket wrench
	Long 8" socket extension
Screwdriver:	Phillips, Flat Head



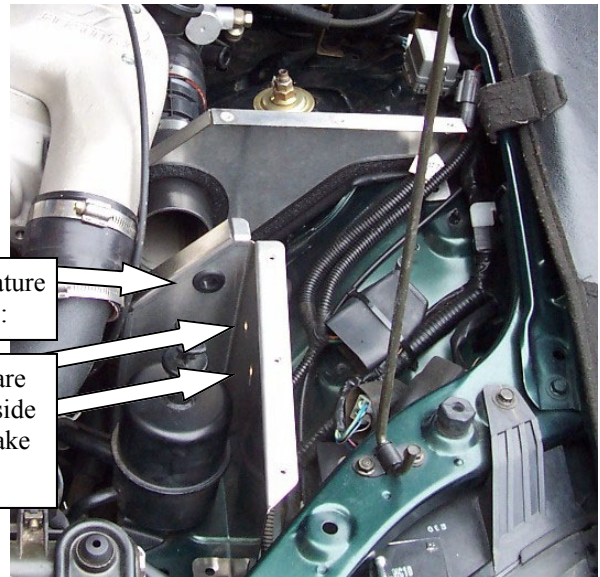
## Removal of Stock Filter Assembly

1. Loosen the hose clamp on the Idle Air Control hose that is located just under the brake master cylinder. It is a 3/4" inch hose. Once the hose clamp is loose pull the hose off and move it close to the radiator, we just want it out of the way for now.
2. Now loosen the two nuts on the front of the stock air filter, this will require a 10mm wrench or socket depending on what you can fit in there. Once the two nuts are removed, remove the cast aluminum cover plate and filter from the car. These parts will not be re-used.
3. There is a hex head bolt in the aluminum plate attached to the front of Air Flow meter, using a 5mm hex key, remove this bolt and set it aside, it will not be re-used. Loosen the hose clamp that is on the back of the aluminum plate. Now pull the cast aluminum base out of the silicone connector, Do not pull to hard on the plate as there is still a wire for the intake air temperature attached.
4. To remove the intake air temperature sensor, gently pull from the base of the sensor and it should come easily out of the rubber grommet it is installed in. At this point you car should look like the picture to the right: →
5. If your car is equipped with power steering you will need to also remove the 10mm head bolt at the back of the power steering reservoir.
6. Using a Blade screwdriver remove the remaining hose clamp on the hose connector that attached the air flow meter to the stock intake you just removed. With the hose clamp removed you should be able to pull the



## Installation of the Cold Air Intake

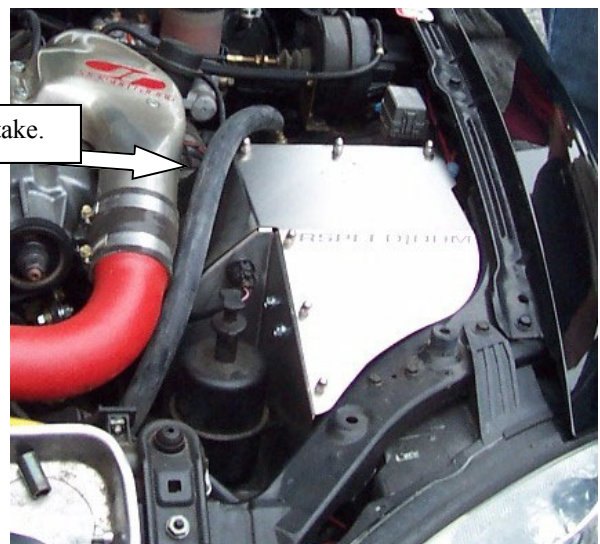
1. Now that we have removed all of the old intake, it is time to start to install the parts for the new intake.
2. Look in your intake kit and find the 2. 1/4" long adapter pipe that is 3" in diameter with the hose adapter attached to it, insert the rubber connector onto the air flow meter and tighten down the hose clamp.
3. Now get the main box portion of your intake. Place the box into your car watching to make sure the intake tube you just installed fits through the large hole in the back of the intake box.
4. Now that the intake box is in place, find three 10mm hex head bolts, lock washers and flat washers in your hardware kit. Use the bolts to secure the intake to the car.
5. With the intake securely fastened to the car, find the air filter supplied with the kit and place it over the intake tube and secure the filter using the hose clamp.
6. With the filter in place find the intake air temp sensor that we removed earlier and secure it to the new intake box by pushing it through the rubber grommet on the front of the intake.
7. Now we are going to secure the electrical relays that are found behind the drivers side headlight. Find two 10mm hex head bolts, nuts, lock washers and flat washers in your hardware kit. Use the bolts to attach the relays to the inside of the air box using the two holes by the power steering reservoir.
8. Find the cover for the intake and the special bag of bolts to secure it to the intake. Place the cover on the intake lining up the six holes and finger tightening the 10mm head bolts into the intake.
9. Once you have all six of the bolts started and finger tight, tighten them using a Phillips screwdriver.
10. Now that the intake is installed we need to re-attach the idle air hose to the supercharger inlet tube that we removed it from earlier. Place the hose over the top of the intake and push back onto the supercharger inlet tube, securing it with the original hose clamp.



Intake Air Temperature probe goes here:

Electrical relays are attached on the inside of the cold air intake here:

idle air hose goes over the intake.



### **Congratulations!**

You did it! With the cold air intake installed your supercharger will be able to develop more power and improve your supercharger kit. If you have any questions feel free to call or send us an email. If you have a digital camera, send us a pic of the intake installed on your car, we would love to see it!