



## Cold Air Intake for Jackson Racing Superchargers 1999-2005 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.

Installation time of this 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.

If you have any questions during the installation you can call us at (864) 907-6004 or email us at [Tech@ddmworks.com](mailto:Tech@ddmworks.com)

### TOOLS NEEDED

10mm wrench
Socket wrench and 8" extension
10mm socket
Phillips and Flat head screwdriver

#### Before you start installing the intake you need to do the following:

1. Make sure the car has had time to cool as you will be working close to the engine.
2. Disconnect the negative terminal from the battery.

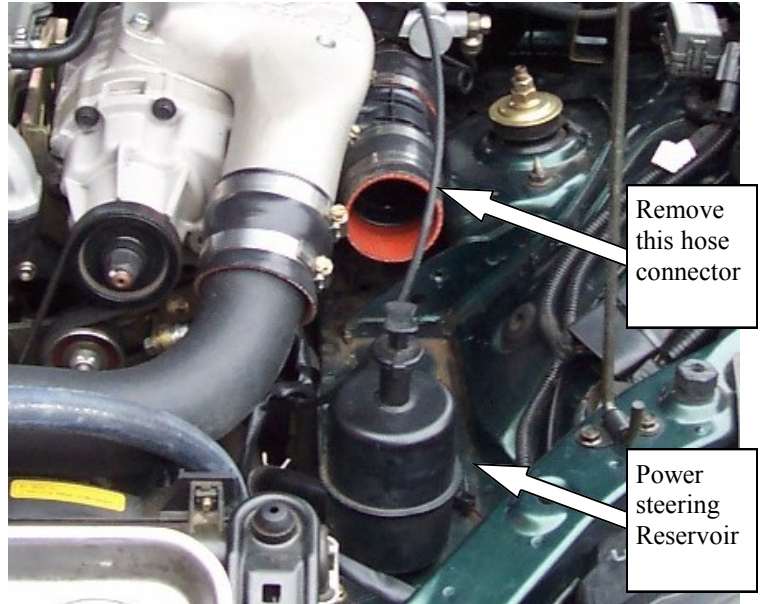
### PACKING LIST

Part Description	Qty
Stainless Steel Intake Box	1
Stainless Steel Lid installed on box	1
Button Head bolts (installed on lid)	6
Flat Washers small (installed on lid)	6
10mm Hex Head bolts	5
Flat Washers	7
Lock washers	5
10mm nut	2
Hex Key for removal of Allen head bolts on lid	1
3" to 2 3/4" hose clamp	1
3" Inlet 4" long UNI Foam Filter, pre-oiled	1
3" to 2 3/4" Reducer	1



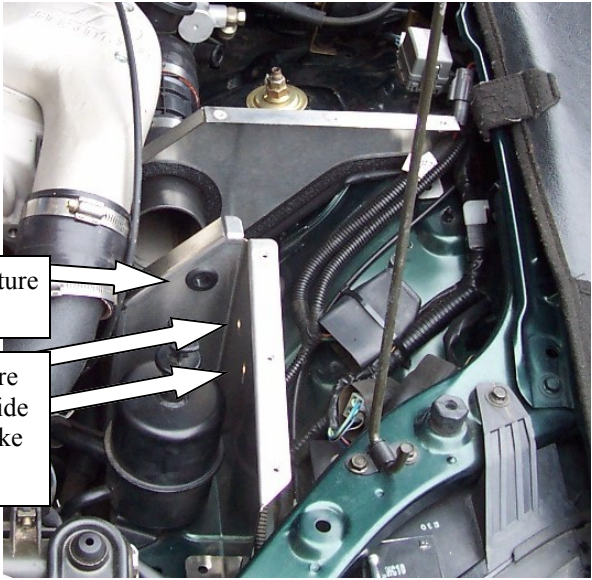
## Removal of Stock Filter Assembly

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 hose connector off of the air flow meter. Once off, set it aside as we will not be re-using it.
7. Now on to the installation of the Cold Air Intake.



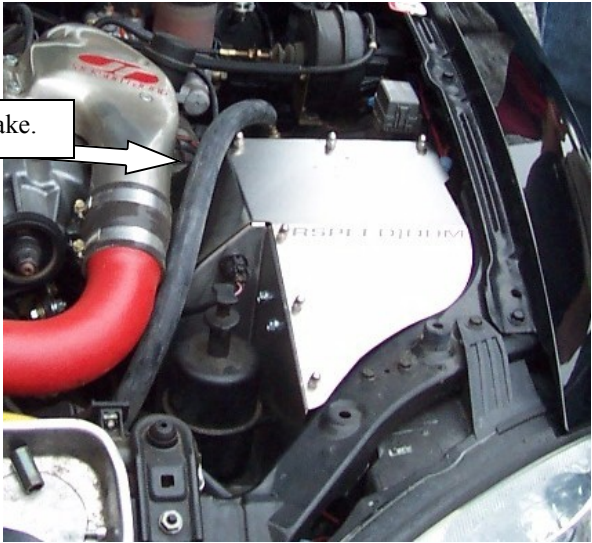
## Installation of the Cold Air Intake

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. Now get the main box portion of your intake and using the hex key supplied in the kit remove the 6 bolts holding on the lid. Once the lid is removed, make sure the 3" to 2 3/4" reducer that is already attached to the intake box is secure with the hose clamp provided in the kit.
3. Now place the box into your car watching to make sure the reducer fits over your Air flow meter. Some cars require you to trim the reducer length in order for the reducer to fit. If your car needs this simply mark the length needed to be cut off and cut the reducer using a utility knife. NOTE: If you do need to cut the reducer it is better to cut equally from each end of the reducer. Also place the supplied hose clamp around the reducer where it needs to be cut and use the hose clamp as a cutting guide, your cut will look more professional.
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 that you removed earlier and the six bolts. Place the cover on the intake lining up the six holes and finger tightening the bolts into the intake.
9. Once you have all six of the bolts started and finger tight, tighten them using the supplied hex key.
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 give us a call or send us an email.

-DDMWorks Team