

Cold Air Intake for MINI Cooper 2002-2006



This DDM Cold Air Intake improves your MINI Cooper by supplying cold air for the engine to breathe with a large 2 1/2" free flow foam filter.

Installation time of the Cold Air Intake depends on you and your mechanical skills. It is suggested that you read through the 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 two hours 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.

TOOLS NEEDED

Socket wrench and 8" extension
10mm socket
10mm wrench
Phillips and Flat head screwdrivers
Cutting pliers
Pry bar

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

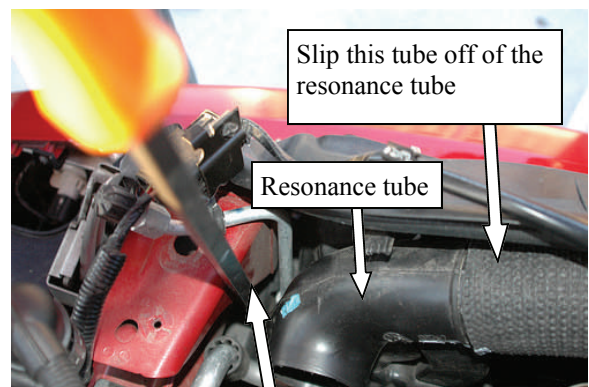
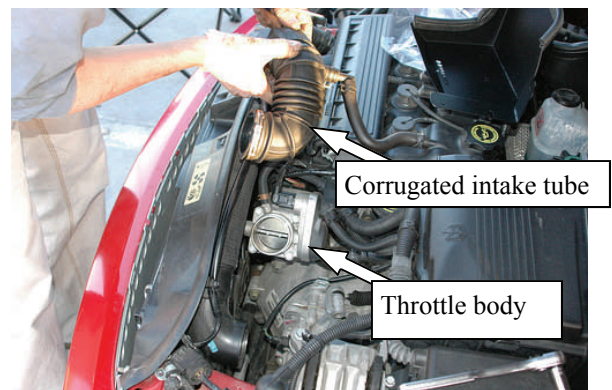
1. Make sure the car has had time to cool as you will be working close to the engine.
2. Disconnect the negative terminal from the battery.

PACKING LIST

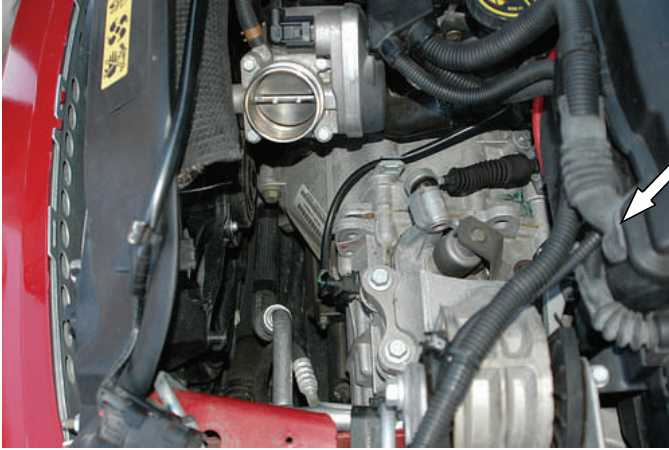
ITEM	QTY
Black intake heat shield box	1
Black intake elbow	1
2 1/2" Hump hose connector	1
#44 Hose clamp	2
2 1/2" Inlet 6" UNI foam filter, pre-oiled	1
Small black zip tie	1
1ft of 1/2" Black tubing	1
#8 Small hose clamps	2
Bulb molding pre-installed on 2 edges of intake box	
M6x20 Hex bolt	1
M6 Flat washer	1
M6 Lock washer	1

Removal of Stock Filter Assembly

1. We will first start by removing the original air intake assembly. There are several bolts on top of the stock filter assembly, remove these bolts, which will allow you to remove the intake lid, exposing the stock filter.
2. Remove the stock air filter by lifting it out, and set it to the side. Now remove the 10mm head bolt that is on the drivers side of the filter box and your MINI may have a bolt on the back of the box close to the battery box also. Once these are removed, remove the stock intake box bottom from the car.
3. Once the full air box is removed, remove the hose clamp holding the black corrugated intake tube to the throttle body. Then remove the hose that connects the intake tube to the valve cover. Now set aside the intake tube from the car completely.
4. Now we will remove the resonance box assembly that is behind the radiator. Start by removing the electrical wire attached to it. Then slip the flexible tube that connects it to the air inlet in the middle of the radiator support off of the resonance tube.
5. Now remove the bolt holding in the A/C lines on the drivers side frame rail, this will give us a little more room to work. Also we need to remove the bolt holding in the electrical connector going to the radiator.
6. To remove the resonance box we need to pop it out of a box that it is connected to below the frame drivers side frame rail. If you follow the resonance tube down, you will feel it continue down under the frame rail and insert into another plastic box. This is the hardest part of the installation, popping that tube out of the other box.. There are two ways to get it out. One you can use a small hack saw and just cut the tube where it connects with the other, simple and easy. The other option is to pop the tube out of the other box. Using a long screwdriver or prying device and being **very** careful of the A/C lines, get in there and using a pry device release the resonance tube were the two connect. Congratulations! The hardest part is over.
7. With everything removed from the stock intake, it is now the easy part of installing the new intake.



Use a prying device to get in there and pop the resonance tube out of the box it goes into below the frame rail on the driver's side



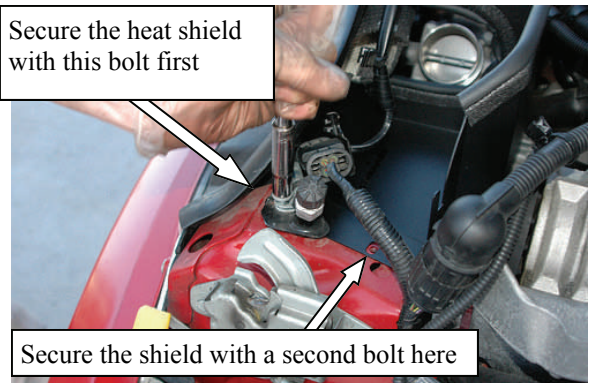
This is how your engine bay should look before we start installing the new intake.

Installation of DDM MINI intake

1. First start by installing the new black heat shield into place. There is a big slot on one side that the tube connected to the radiator support goes through, and that slot should also line up with the throttle body
2. Now using the bolt that we removed for the electrical connection going to the radiator, secure the front hole in the heat shield, with the bolt going through the electrical connector, then the heat shield and then into the car.
3. Now slip the black intake elbow into the black hump hose connector and slide it through the slot on the passenger side of the intake heat shield.
4. Using the hose clamps provided secure the hump hose to the throttle body and also to the black intake elbow.
5. With the intake elbow installed, remove your new foam filter from its packaging and install it on the end of the intake tube you just installed.
6. Make sure everything looks lined up with the intake at this point. Using the bolt, lock washer and washer provided secure the intake through the other bolt hole on the drivers side frame rail.
7. Using a zip tie secure the large wiring connector to the vertical back wall of the intake.
8. Using the provided hose in the intake kit, connect the hose between the tube coming off of the intake elbow and the breather on the valve cover.

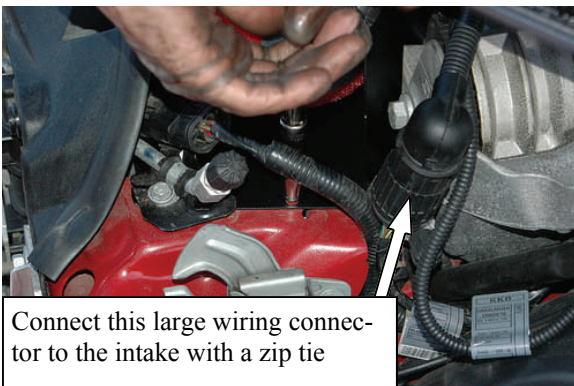


Intake shield going into place

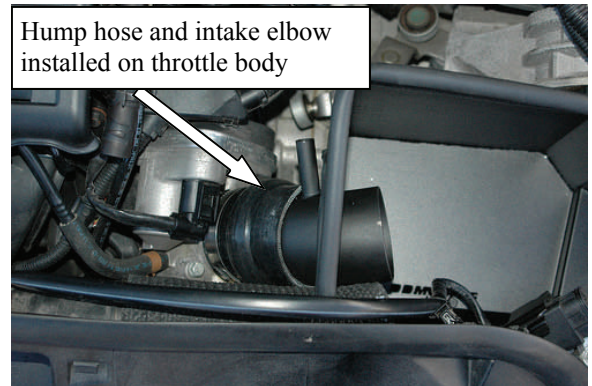


Secure the heat shield with this bolt first

Secure the shield with a second bolt here



Connect this large wiring connector to the intake with a zip tie



Hump hose and intake elbow installed on throttle body

Installation of DDM MINI intake (cont.)



Connect the supplied hose between the intake elbow and the valve cover



The intake installed and ready to motor.

Congratulations!

You did it! With the cold air intake installed your car will breathe easier and rev happier! Now go motor and enjoy your new DDM modification! If you have any questions feel free to give us a call or send us an email.

-DDMWorks Team

DDMWorks
Automotive Performance Specialists