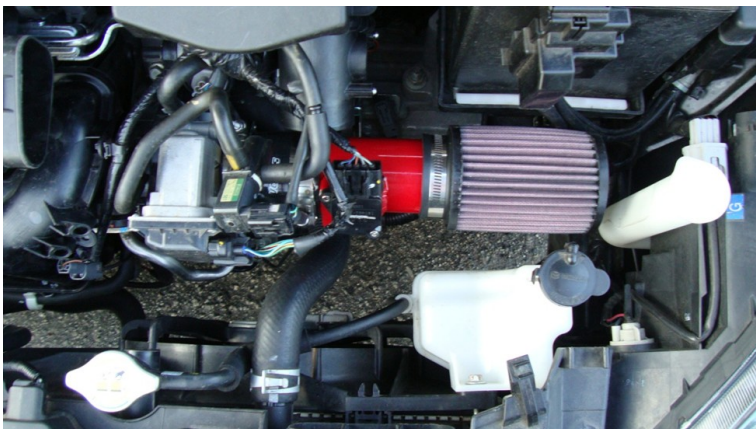


Short Ram Intake Install

Final Clean up



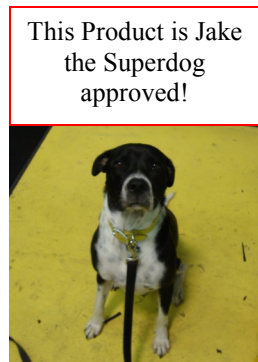
Congratulations! You have finished the install. Your car is now fitted with the new short ram intake. We love it when you let others know how you like the products, go over to <http://www.mazdas247.com> and let others know!

If you have any questions feel free to give us a call at 864-907-6004. You can also email us at Tech@ddmworks.com.

Thanks again for purchasing the DDMWorks Short Ram intake for the Mazda 2. We appreciate it and look forward to serving you in the future.

Also, check out other go fast goods for your Mazda 2 on our website www.ddmworks.com

Follow us on [Facebook!](#)



Mazda 2 Short Ram Intake Install—DDM-13-12



The DDMWorks short ram intake is a great way to get that great induction sound from your Mazda 2.

Installation time of the short ram 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.

Tools and time

If you are pretty handy with tools the short shifter can be installed in less than 30 minutes however we suggest that you schedule at least 60minutes for the install.

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

TOOLS NEEDED

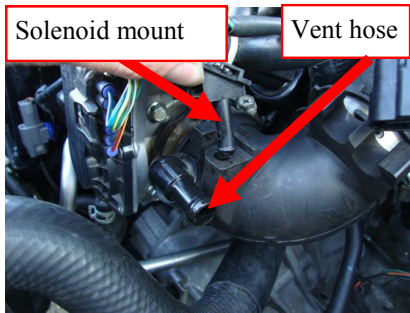
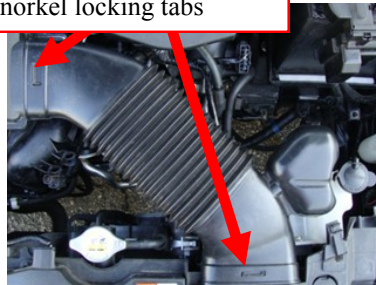
Short phillips screw driver
Phillips screw driver
Flat head screw driver
10mm deep Socket
3/8" ratchet drive
3mm allen key

Short Ram Intake Install

Removal of the stock Intake

1. First thing is to make sure the engine is cool since you will be working around the engine and transmission
2. Next you will need to remove the intake snorkel from the top of the engine. There are two plastic tabs on each side of the snorkel. Using a flat blade screw driver, pry the ends of the snorkel over the tabs to remove it.
3. Now remove the cylinder head vent hose from the 90 degree rubber coupler which mounts to the throttle body.

Snorkel locking tabs



Solenoid mount

Vent hose

4. On the 90 degree rubber coupler there is also a solenoid mounted to it. This will need to be removed. Pull upwards and twist from side to side and it will pull out.
5. Using the longer phillips screwdriver unscrew the two clamps on the 90 degree rubber coupler and remove the coupler from the throttle body and the rest of the stock intake.

6. Next you will need to locate the Mass Air Flow (MAF) sensor. It is located right before the rubber 90 degree hose which mounts to the throttle body. Unplug the electrical connector from the MAF sensor, and using the short phillips screw driver, remove the two screws which hold the MAF sensor in place. Keep in mind the direction of airflow through the sensor.

MAF sensor marked with the direction of airflow.



Short Ram Intake Install

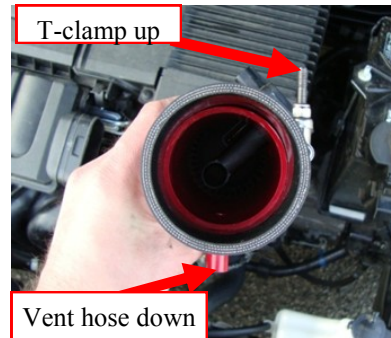
Installation of the short ram intake

1. Place the MAF sensor into the short ram intake tube and make sure that the direction of airflow through the sensor matches the arrow on the intake tube where the sensor mounts. It helps to twist the sensor into place to get the o-ring to seat properly. Secure with the cap screws provided.
2. Install the air filter on the front end of the intake tube and tighten the clamp provided. When installed correctly the arrows should be pointing away from the air filter.
3. Place the silicone coupler on the other end of the intake tube and mount with one of the t-clamps provided. Make sure that the threaded end of the t-clamp is mounted on the side near the MAF sensor and with the threaded end sticking out 180 degrees from the cylinder head vent mount on the bottom of the intake.

Arrows



T-clamp up

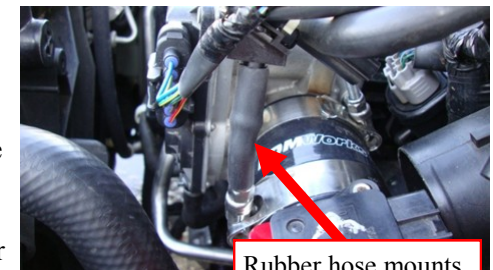


Vent hose down

4. Slide the other t-clamp over the coupler and slide the assembled intake tube onto the throttle body. Before tightening the clamp, make sure that the cylinder vent hose is sticking straight down, and the t-clamp connecting the coupler to the intake tube is sticking straight up. Then you can tighten the clamp to

hold the intake to the throttle body.

5. Place the cylinder head vent hose back on the mount on the bottom of the intake.
6. Place the provided section of rubber hose over the threaded end of the t-clamp provided and then install the solenoid back on the other end of the hose.
7. There is some electrical tape which holds the wires for the MAF together with wires for the throttle body. This tape will need to be removed. Once this is done install the electrical connector back into the MAF sensor.



Rubber hose mounts the solenoid to the t-clamp