



COOL-FLO RACE AIR INTAKE KIT PART#FS016 (DURATEC 2.0L & 2.3L ALL)

PARTS	
1	3" Intake Tube
1	I.T.G. Air Filter
2	3" Silicone Hose w/ Clamps
1	8mm Rubber Mount
1	1" Plastic Cap
1	1/2" Plastic Plug
1	1/2" Rubber Grommet
1	8mm Washer
1	8mm Nut
2	4mm Philips Head Screws

INSTALLATION INSTRUCTIONS

Notice: The Ford Focus has had various intake revisions during its production span. Not all years are depicted in these instructions. However all vehicles will need to have the entire factory airbox from the rubber boot on the throttle body all the way to the snorkel under the wheel well liner removed. These steps will give you guidance in this process.

- (Figure 1)** Start by removing the two bolts securing the upper air box to the MAF sensor housing. Next loosen the two hose clamps securing the rubber boot between the upper air box and the throttle body. Now disconnect the plastic hose connection coming from the valve cover to the rubber intake boot. Note: Depending on the year & model vehicle you may have two other hoses connected to the rubber boot which need to be removed, these will be addressed later. Remove upper air box and the rubber intake boot.
- (Figure 2)** Using a small flat screwdriver, carefully pry & remove the plastic tube from the rubber intake boot. Re-install the tube into the hard plastic line it originally came out of.
- (Figure 3)** From underneath the vehicle locate and remove the four bolts holding the lower air box cover on. Or remove the lower engine cover gaining access to the lower air box, these varied by year & model. Now loosen the hose clamp securing the air box to the MAF sensor housing and disconnect the electrical connector.
- (Figure 4)** Next remove the three bolts securing the lower air box to the chassis and remove the lower air box.
- (Figure 5)** Locate the snorkel running through the wheel well liner. You can detach it from the air box and leave it in place or remove the wheel well liner and remove the entire snorkel. Either way works fine.
- (Figure 6)** Locate and remove the 13mm bolt securing the MAF sensor housing to the chassis. Remove M.A.F. sensor housing.
- (Figure 7)** Remove MAF sensor from the stock plastic housing and reinstall it into the FSWerks intake tube with supplied hardware. Note: The MAF sensor will not fit flush like the original fitment, only tighten hardware enough to compress small factory rubber seal. Do not over tighten hardware.
- (Figure 8)** Install the I.T.G. filter onto the FSWerks intake tube using the supplied silicone hose w/ clamps as shown. **(Figure 9)** Now install the supplied rubber mount as shown.
- (Figure 10)** Using supplied caps & grommets install as needed. This will be apparent once you have the factory air intake system removed. Make sure all factory hoses are reconnected into the FSWerks intake tube once installed.
- (Figure 11, 12)** Install FSWerks intake tube as shown and reconnect all connections.
- At this point you should have the FSWerks intake kit fully installed. Make sure you have at least a 1/2" clearance between the chassis of the car and the FSWerks intake tube. Adjust accordingly until proper clearance is achieved. Go through all the connections once more making sure you have connected and tightened all the connections & hardware properly.

NOTE: Vehicles driven in bad weather conditions, such as rain. Use the original lower air box cover from underneath. Modify the lower air box cover by cutting an opening for the lower FSWerks intake tube to fit through. Reinstall cover, this will add further protection during rain.

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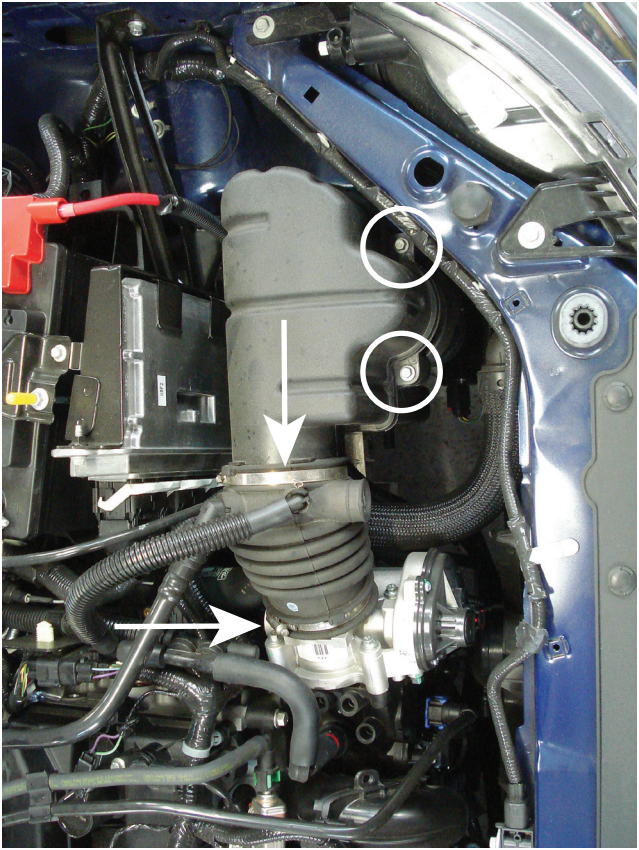


Figure 1.



Figure 2.

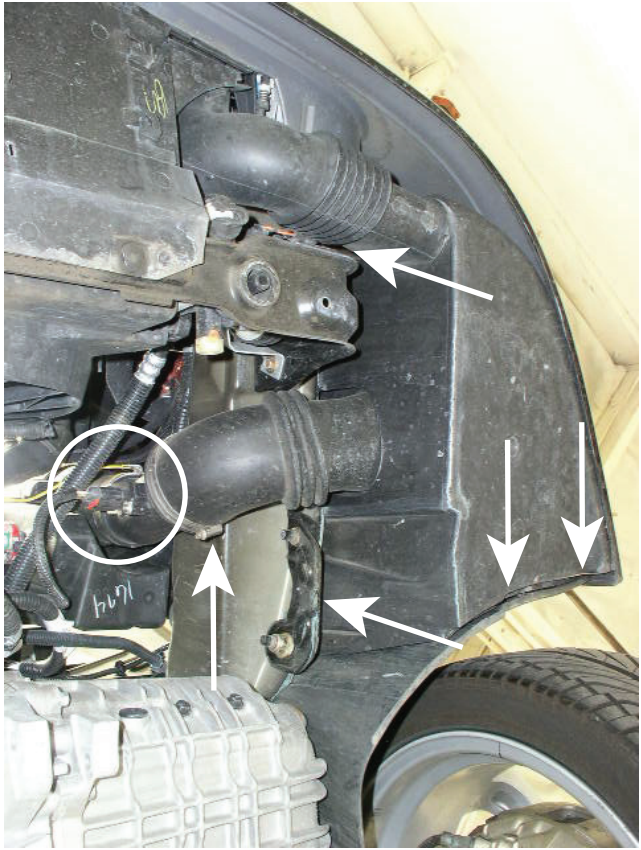


Figure 3.

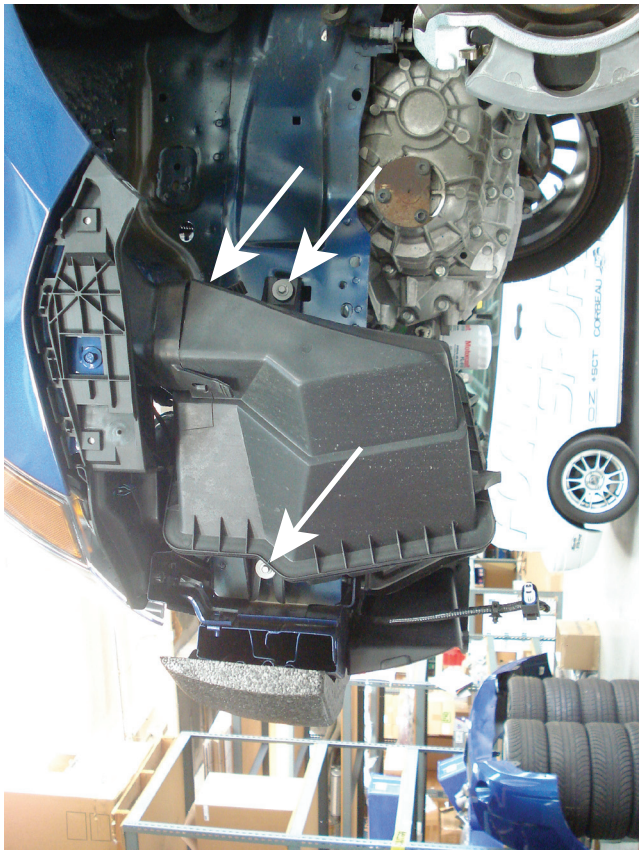


Figure 4.

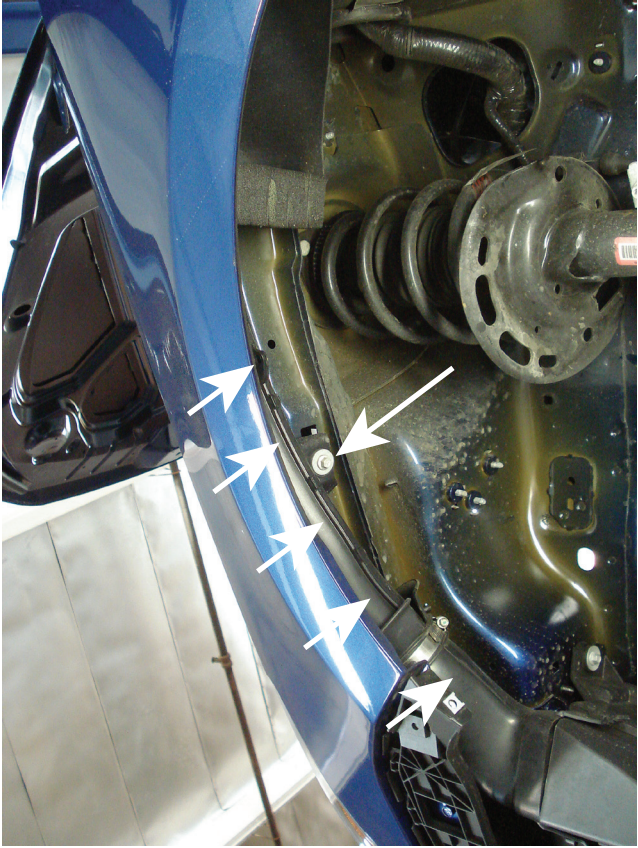


Figure 5.

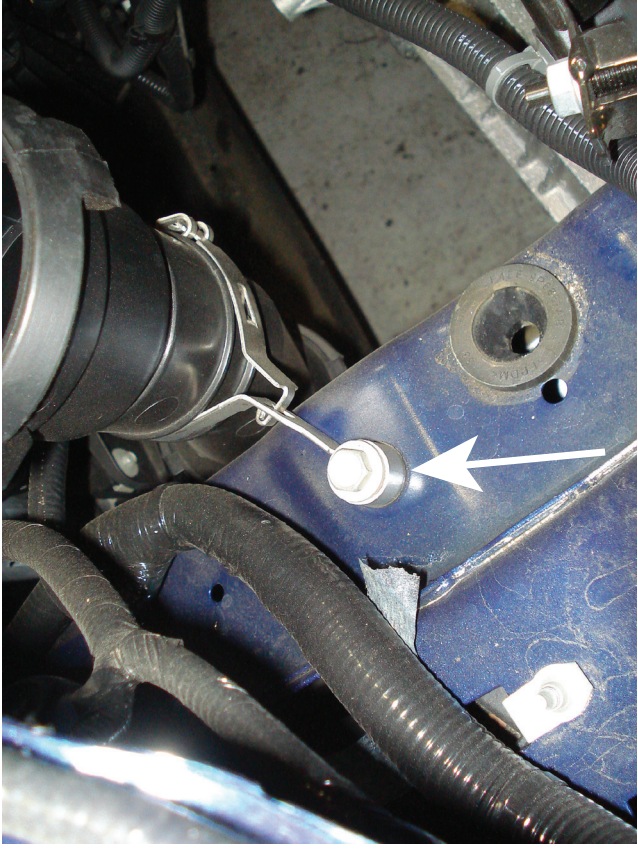


Figure 6.



Figure 7.



Figure 8. FSWerks Intake ready for installation.

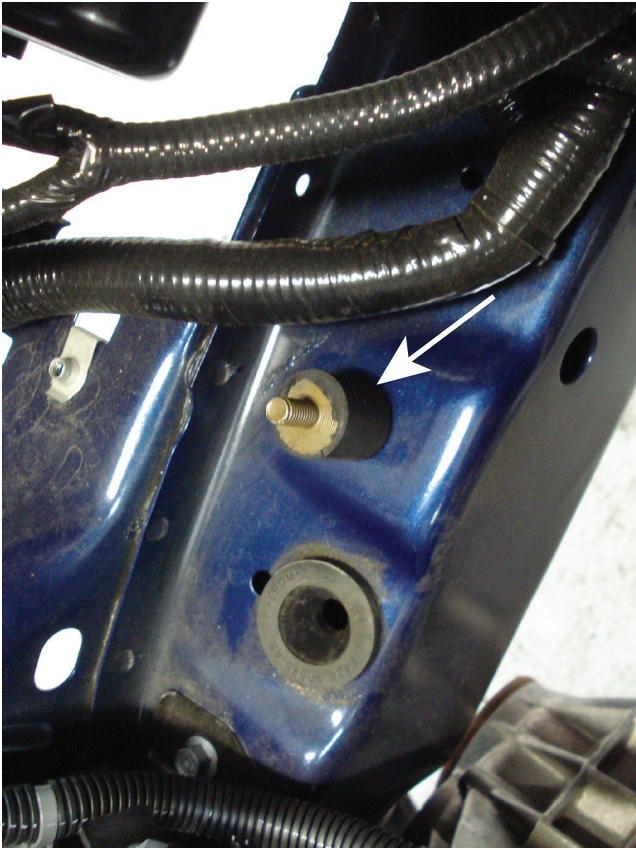


Figure 9.

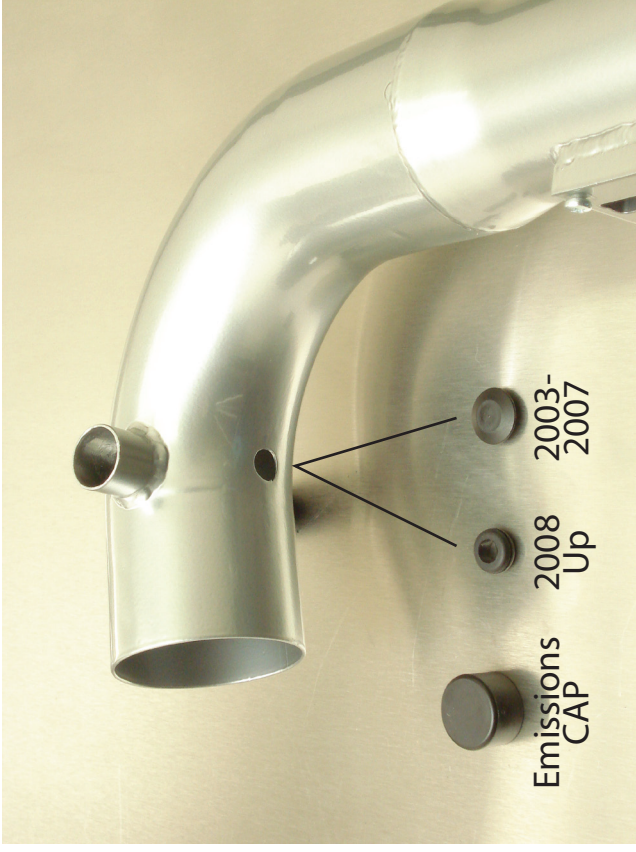


Figure 10.



Figure 11. Intake installed properly.

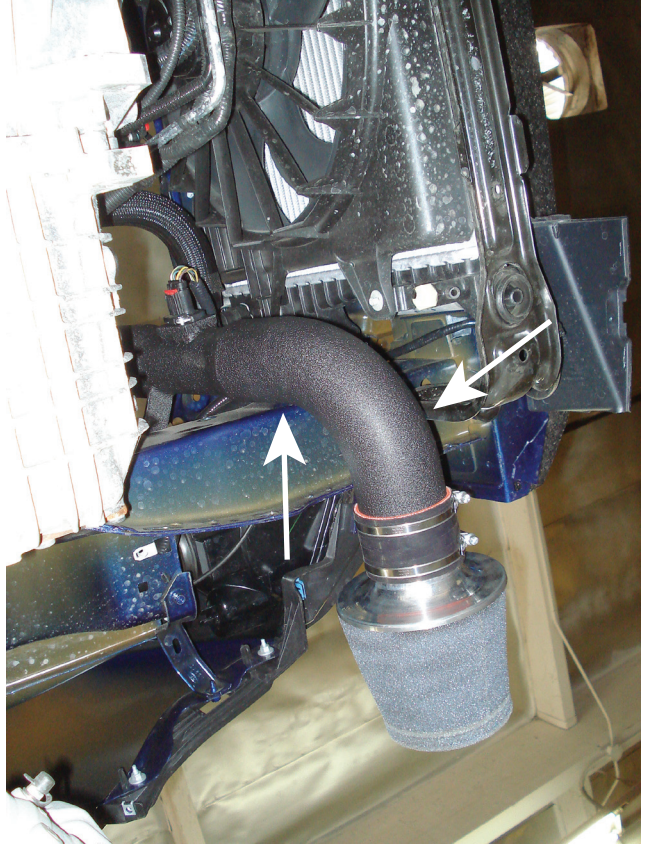
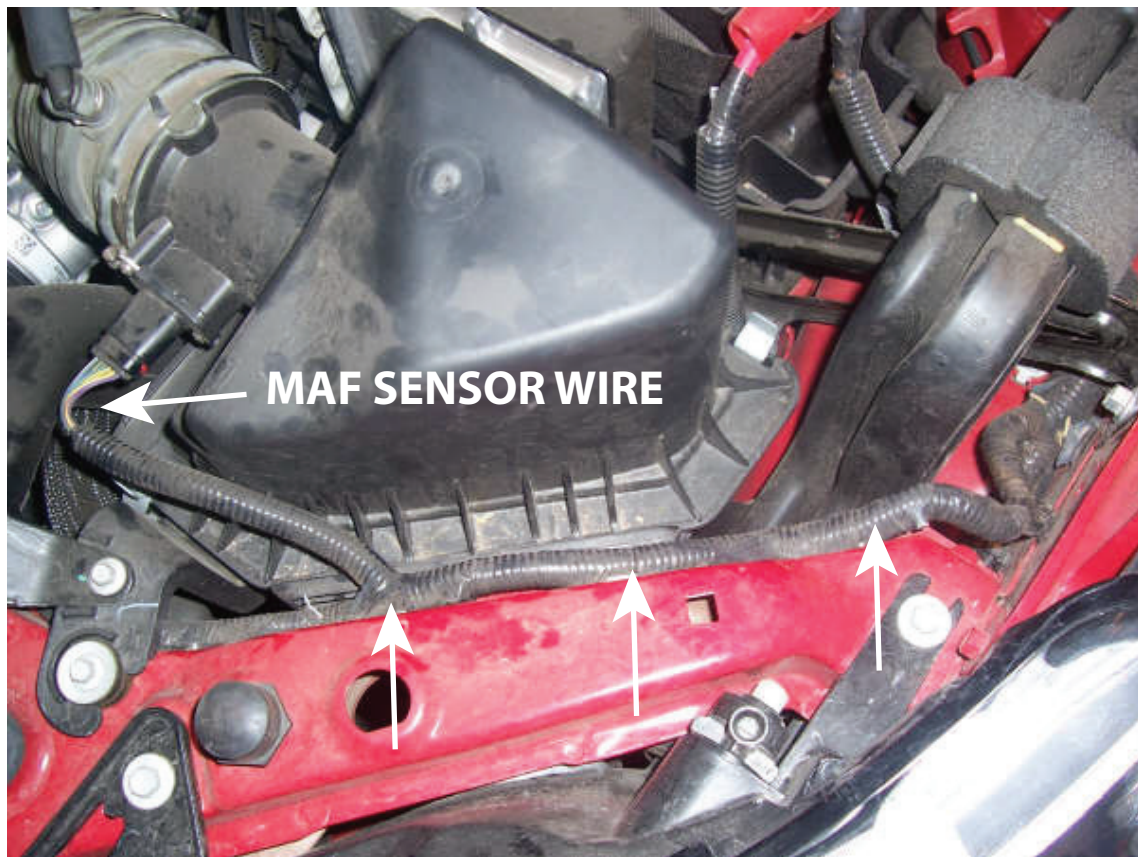


Figure 12. Adjust for proper clearance.



NOTICE

Some 2008-2009 model focus engines use a different air box design. The difference is between (PZEV) & (non PZEV) designed vehicles. If your vehicles air box looks like the one shown on this page then you have the (non PZEV) engine. Removal of your original air-box will be different than our instructions describe. However for the most part it will be very similar in the end. You must remove the entire airbox setup just like the (PZEV) vehicle. However the main difference is the location of the MAF sensor & it's wiring. You must remove the MAF sensor wiring from the black plastic loom which is along the front core support. This will allow the added length needed for the MAF wire to reach the sensor when it's mounted as shown in the main instructions.