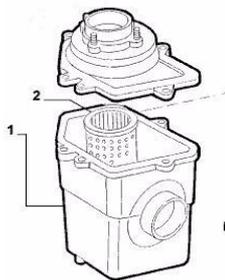




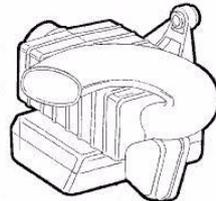
V6 Intake Mod - Alfa 156 16v TSpark

The 156 16v Twin Spark versions have an rather complicated intake system. This is the part just before the air filter box and hidden in the wing/front bumper. This part consists of a complicated box with a curved pipe which is meant as some kind of silencer for the intake noise at certain revs. Because of this the way to the air flows through this is could affect airflow. The maximum power is unlikely to increase but the reaction on the accelerator pedal does when you replace this unit with the intake pipe from a 156 V6 or JTD version.

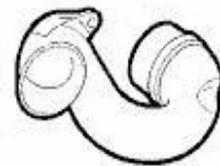
You will notice the differences in the pictures below.



1: Air filter box
2: Airfilter

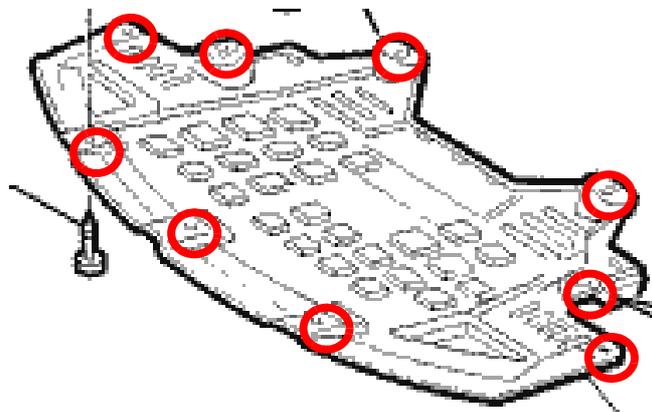


16v Air intake system



Air intake V6 and JTD
Alfa Part No: 55187325

Because the original intake pipe will have to be removed from under the car the engine cover will be have to removed partly or completely. This can be done by removing at least the 9 bolts which you can see at the right. This assumes your undertray is in one piece and you haven't resorted to tie-wraps yet!





Remove the plastic cover right behind the left headlamp. It will be attached with two screws.

You will now be able to see the top of the intake system

The first part of the intake pipe is attached with a little self-tapping screw to the rest of the intake pipe. (This is the curved pipe you can see in the picture on the next page). Unscrew this so you can remove the intake box more easily. The intake pipe is attached with one 10mm bolt to the fender/bumper bracket. You can hardly see it so feel it with your hands. The nut on the other side can't be reached with any tool. It will come off after you have loosened the bolt completely. This is the only bolt with which the intake pipe is mounted.



Now the fun bit! Take the intake box with two hands to pull hard to get it out of the air filter housing. This can be difficult (to say the least!). Use a screwdriver to lever the parts apart if necessary. It should be easier if you leave the airfilter box bolted in place, but you can loosen the air filter housing to get more room and allow you to twist them apart. Watch closely how the filter box is installed so you can reinstall it in the same way.

Original Air Intake unit --->

Pull the intake system out from under the car. You may have to gently pull the edge of the front bumper out to clear.

If you want to take the air filter box out of the car, you may find it easier to take out the battery and battery tray first. I did as I had to sort out the rusted screws to change the filter (Marked 'A' in picture below).



Remove two 10mm bolts at the back of the air box holding it to a bracket under the battery tray. The bracket should be bolted to the front of the tray and also has a clip that takes some of the wiring. Then lift it out upwards, especially if you have air conditioning as the pipes get in the way.

This is the air filter box with the V6 intake pipe --->

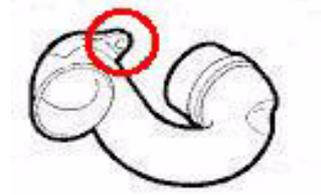
If you took it out, put the air filter box back first and bolt into place, which means you need to replace the battery tray if this was removed. The air box locates into two rubber mounting at the bottom.

This makes the task of fitting the V6 pipe easier as it doesn't wobble about so much. You may also find a thin coating of grease helps around the new intake pipe. Now install the new intake pipe.





The entry from the pipe must be in the same place as the original - just below/behind the headlamp. Use a tie rap to attach the pipe to the nearest bracket using the hole which is circled in the picture on the right. Now reinstall the engine tray and plastic cover right behind the left headlamp.



Unless you have invested in the right tool you will probably need to replace the air pipe clips with jubilee clips.

I'd like to admit here that I lifted a couple of the pictures used above from the Squadra Tuning website ... I hope that they don't mind

Latest:

Use the GTA Intake pipe rather than the V6 one, it is smoother and slightly wider at the "mouth"

*Parts Needed:
60677409 (GTA Intake)
7663916 (Pad)
60630491 (Spacer)
12624101 (Washer)
15697604 (Screw)*

You don't really need the last 4 parts, but these make the fitting to the chassis leg better than a tie-wrap!