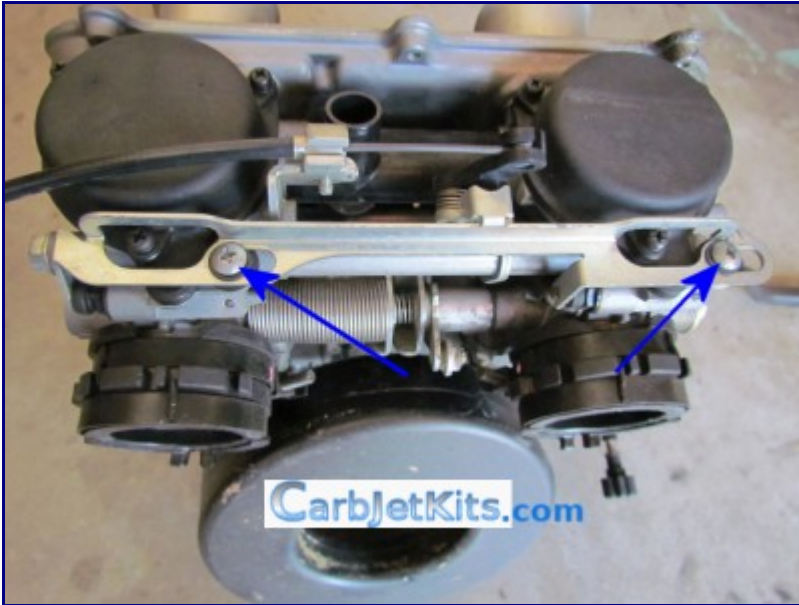


## Needle Shim Installation

This section is an example on how to add shims to your needle. We are showing this on a magna V45, but the install is very similar on any bike.

Note: Clicking on any image will show you a full size image in a new window

Here is a carb bank where we need to remove the choke linkage bar first.



Remove the 2 screws as indicated. Be careful not to lose the springs.

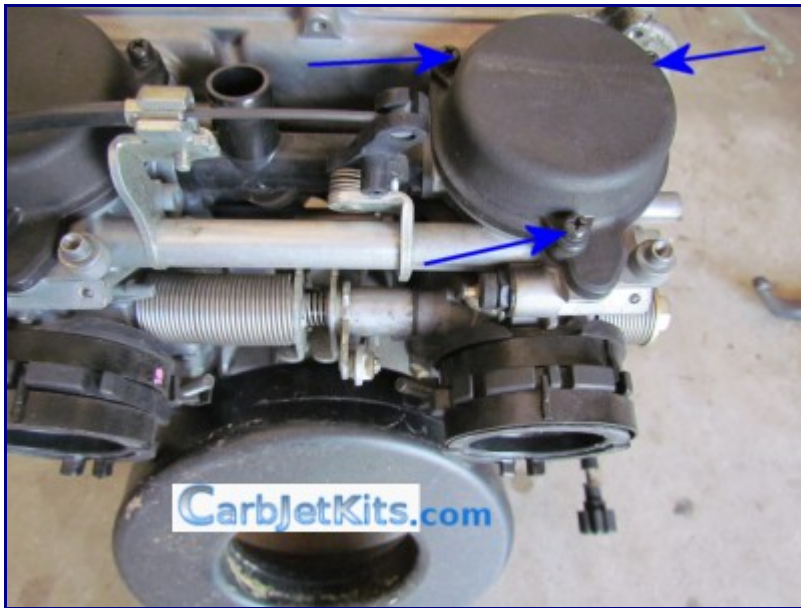
here is the carb bank with the choke linkage bar removed.



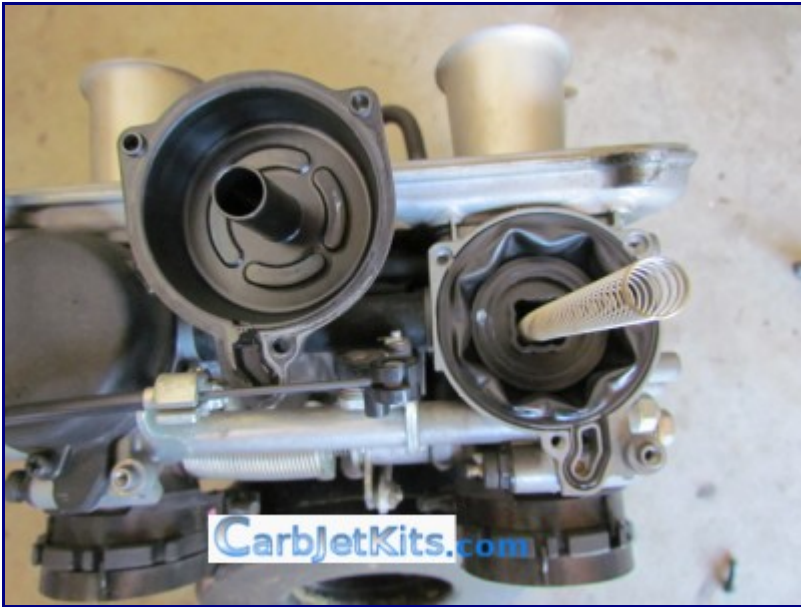
On the following image, you can see all parts.



Remove the carburetor top by removing the 3 screws as indicated in the picture bellow.  
work on 1 carburetor at the time to not mix parts.  
Be careful removing the screws, they tend to strip out easily.



This picture shows you the carb with the top removed.



Remove the diaphragm slide assembly as shown.



diaphragm removed.



Carefully disassemble the slide by pushing the needle up to release the needle holder.



Inside , you see the needle and one factory shim.

leave the factory shim on the needle and add 1 or 2 CarbJetKits shims (depending on your order).

Image below shows the needle with one CarbJetKits shim added.





Install the needle holder. Make sure it is all the way seated into the top slide.

reinstall the slide assembly and spring.

Make sure the diaphragm seats into the groove on the carburetor body before installing the carb top.

Use the pictures above as a reference to make sure everything is back in place.

install the choke linkage bar.

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