

Holley Intake Modifications--Installation Instructions

Holley Modified Air Intakes for the M109 Dyno numbers-
<http://www.m109riders.com/forum/index.php/topic,17949.0.html>

Kit includes (2) of the Holley intake kits that have been modified to fit directly to the m109 backing plate. Insulating tape and (10) bolt plugs and (2) large plugs are added to the kit.

You will need to get some clear silicone and super glue that works with rubber to complete the installation.

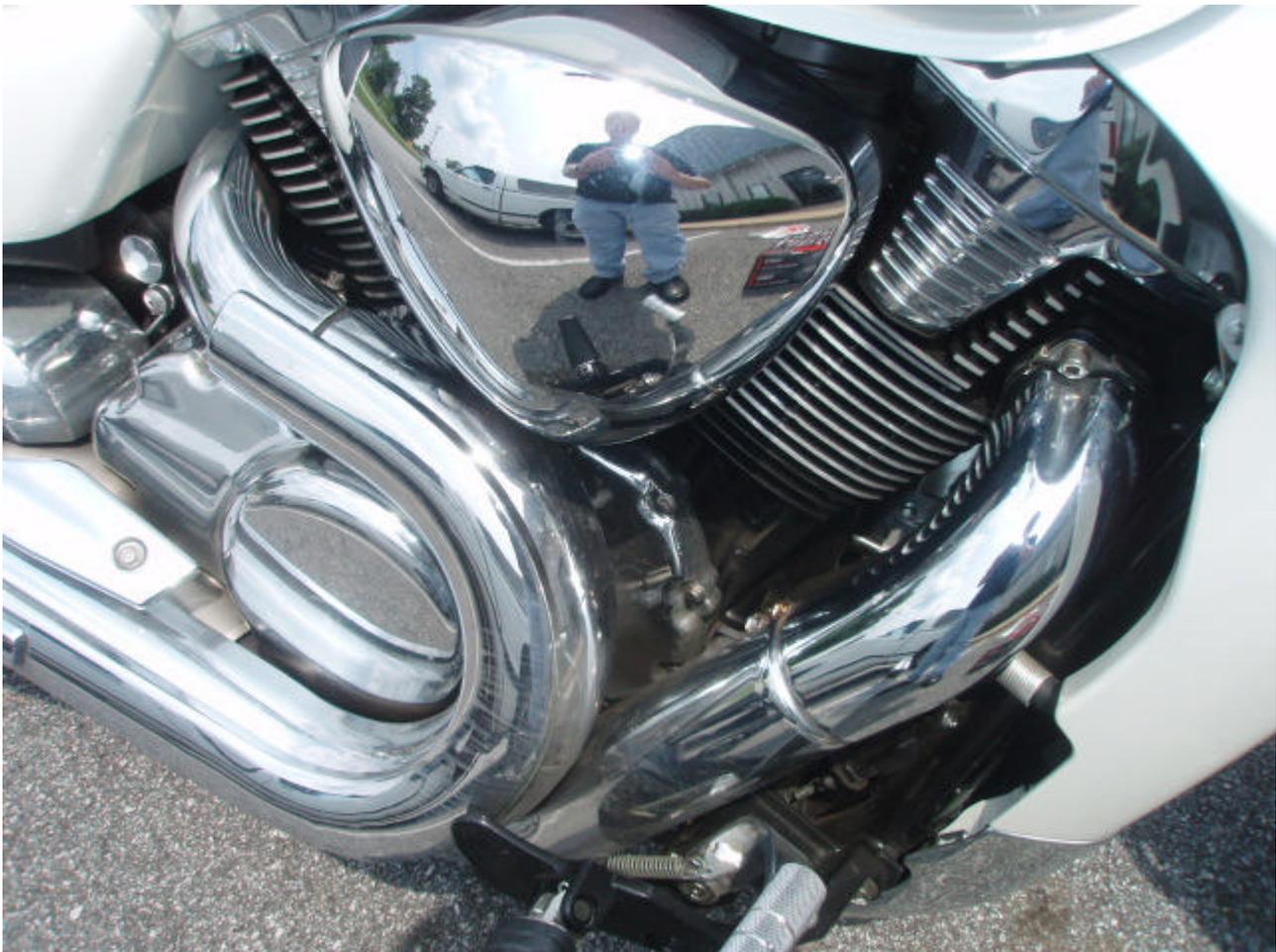
Each intake is essentially the same but the stock back plates are mirrors of each other so make sure you match up the chrome front plates to the correct stock back plates before starting.

The installations are the same for each side so these directions should be repeated for the other side.

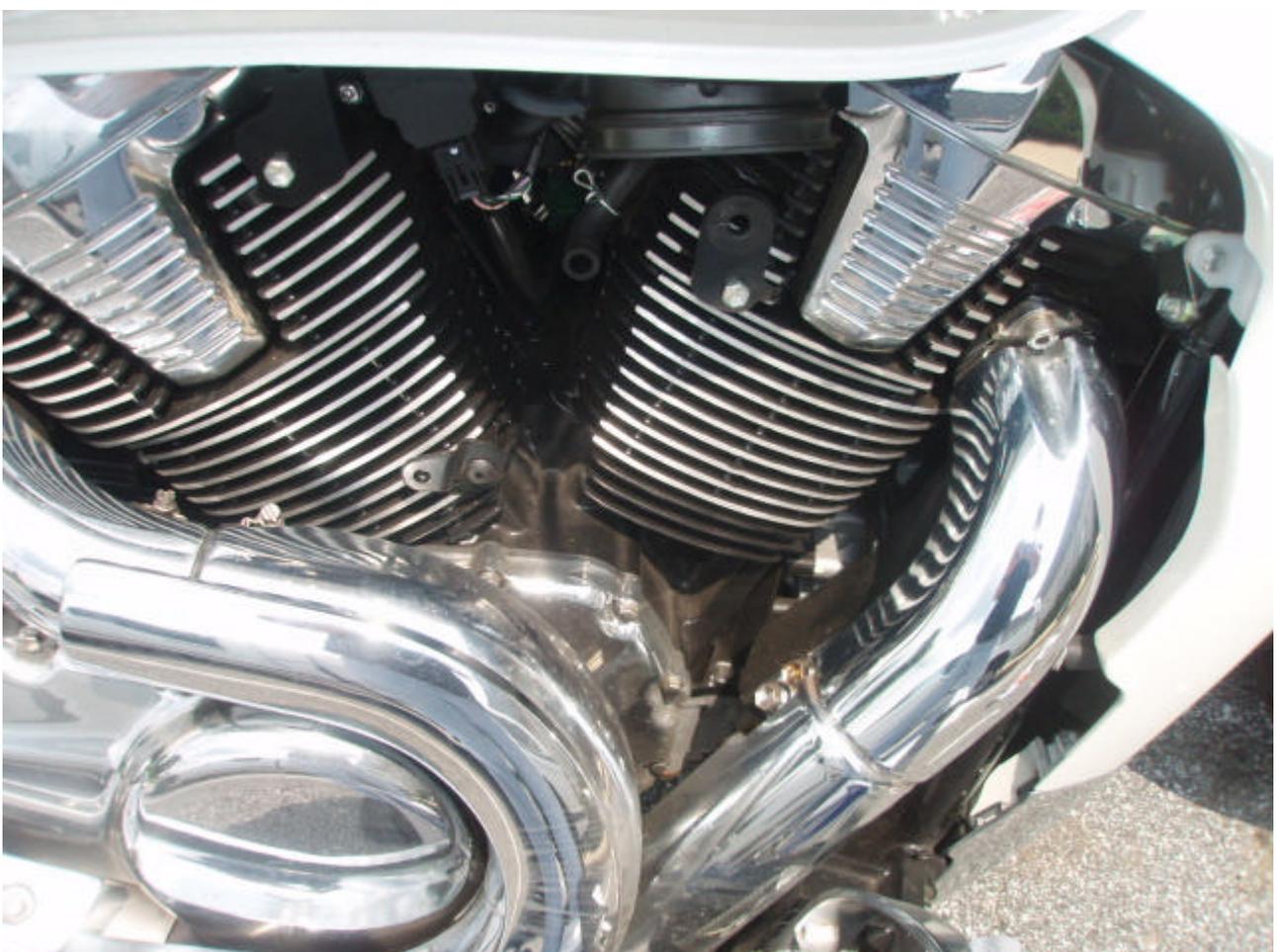
The installation can be done without removing the gas tank but you may find it easier to remove the tank first so that it is easier to remove and reattach the clamps that secure the intake ducts to the back of the stock backing plate.

Tools needed: 4mm allen wrench to remove the allen screws that hold the intakes in place, a phillips screwdriver to loosen and tighten the screw on the intake duct, a knife to help in installing the gasket and a black marking pin to trace the gasket line onto the chrome Holley plate.

Stock intake on M109 ready to be modified.



Remove air box by removing the (2) 4mm allen screws , then pull on other side to release the rubber push mount. Remove hose on back of stock intake plate. Loosen clamp that holds air duct to top of the stock intake plate. Some folks may find it easier to remove the gas tank at this point.



Stock intake back plate removed from bike. Stock filter and filter holder are removed. Save the 3 phillips head screws as they will be used to install the new modified Holley adapter plate to the back plate.



Modified Holley adapter plate. Fits stock back plate.



Attach 2 inch rubber cap to stock backing plate. Use Super Glue to hold in place and place something on it until the glue is dry.



Trace edge of backing plate onto metal adapter plate. The rubber gasket goes on the inside edge of the line you drew. Gasket material goes on the back of the metal plate and line should be drawn on back also. The picture shows the line drawn on the "front". The front has the flange on the edge pointed out. The back has no edge. Remove the backing on the tape as you install it. It will turn much easier like that.



Here is another picture of the tape on the back side of the Holley metal plate.



Install the Christmas Tree Pins into the holes in the top of each pillar (5) in the original back plate. These seal the holes and you can add some silicone around the edge of each hole if you want to.



Mount small plug in small hole in upper corners of the metal plate. You can use silicone to seal this also.



Loosen air duct clamp to reinstall the air box.



Mount stock backing plate with metal adapter plate mounted on it. Use the (3) phillips screws that you removed from the stock air filter bracket to reinstall. Insert the holding arm in the top edge between the stock backing plate and the metal plate and tighten the screw.



It should look like this when you are done.

