

# ZIMFFKIT

Metal fuel filter kit for the 356 Porsche

Jack up the car for easy access to the bottom rear section of the car. Use jack stands to support the vehicle. Never work on a car just on a jack with out the safety of jack stands.

Find the area at the lower bulkhead, below the rear torsion bar tube, forward of the engine and transmission where the fuel line exits the body just left of center, (drivers) side of the vehicle. Find small piece of tubing coming out of the bulkhead that the fuel hose is attached to.

Shut the fuel off under the dash with the petcock or find a suitable rubber plug or cap to cap off this tube when you remove the hose BEFORE you take it off. Make sure the car is perfectly cool and do this in a well ventilated area.

Remove the fuel line from the tube on the body, fuel will drain out of both ends. Take the rubber plug and cap the tube at the body to stop the fuel coming from the tank. It will drain back from the engine bay, so catch it in a drain pan. Do not spill into your eyes or onto anything hot where it could ignite. After you remove the hose at the body connection, remove the other end of the rubber line where it attaches to the metal fuel line in the engine bay, between the firewall and the fan shroud. Pay attention to where this line runs as you remove it so that you can put the new fuel line back in the same location.

Go inside the car. Behind the drivers seat on the vertical wall under the back seat area pull up the lower third of the carpet and expose the metal surface. Now back outside under the car take the new fuel filter metal bracket and locate it in the clear area on the vertical part of the bulkhead just to the left of the fuel line tube as it exits the bulkhead. Center it between the fuel line tube exit and the heater tube that exits the body to the left as you are looking from the rear. With the fuel filter removed from the bracket mark the bulkhead for a hole to be drilled to mount the bracket. Use a 1/4" drill and drill a hole for the M6 x 20 hex head bolt provided to mount the bracket. Check inside of the car that you will not be drilling into the carpet that you have pulled out of the way. Once drilled install the filter mount using the bolt, washers, and nut provided. Get a buddy to hold one side while you tighten it up from the other. Arrange the bracket so that the filter is horizontal. Put the carpet back inside using a little contact cement if needed.

Slide the fuel filter into the mount paying attention to the fuel flow arrow on the filter. The arrow should point in the direction of fuel flow. Install the bolt through the bracket and tighten down. Do not over tighten as you can crush the filter.

Use new fuel line that is supplied and cut a short piece to fit between the bulkhead tube and the inlet of the filter. Fasten this cut piece with two hose clamps. Fasten the remaining fuel line to the outlet end of the filter with a clamp and run the fuel line up and over the heater can and axle, and install the new strap supplied to support the fuel line up to the body. You will have to remove the old hardware mounting your old strap, (if it is still there). Run the fuel line through the new strap and up into the back of the engine compartment, following the trail of the old fuel line that you removed. Make sure it is routed in such a way not to rub on anything sharp, or get tangled into any moving parts that could damage it and cause a fuel leak. Never let any part of a fuel line touch hot exhaust parts. Cut the supplied fuel line to the proper length and attach it back to the metal tube in the engine compartment using the supplied hose clamps.

If you need a replacement filter it is a Bosch 71015 or equivalent. (BMW # 13.32.1.256.492)

If you have an old filter in the engine bay, remove it. Use left over fuel line to put a short piece in its place. It is much safer to have it out of the engine bay.

Start up the engine and check for fuel leaks.

Enjoy your 356!

Dwb/z/2005