



DIESEL/VEGETABLE OIL HYBRID VEHICLES
Systems for the conversion of diesel engines to multi-fuel use.
CHRISTOPHER GOODWIN MOTORSPORT, SPECIAL VEHICLES DIVISION
1218 10th Ave. Seattle, Wa. 98122 PH: 206.322.6242
WWW.FRYBRID.COM

Frybrid Heated filter installation

1) Determine the best location to mount the filter, take care that there is sufficient room to change the filter.

2) Test fit the filter in the determined location and note the position of the inlet and outlet of the heat exchanger relative to the coolant hoses which will be connected to it and determine the required position of the heat exchanger relative to the head assembly.

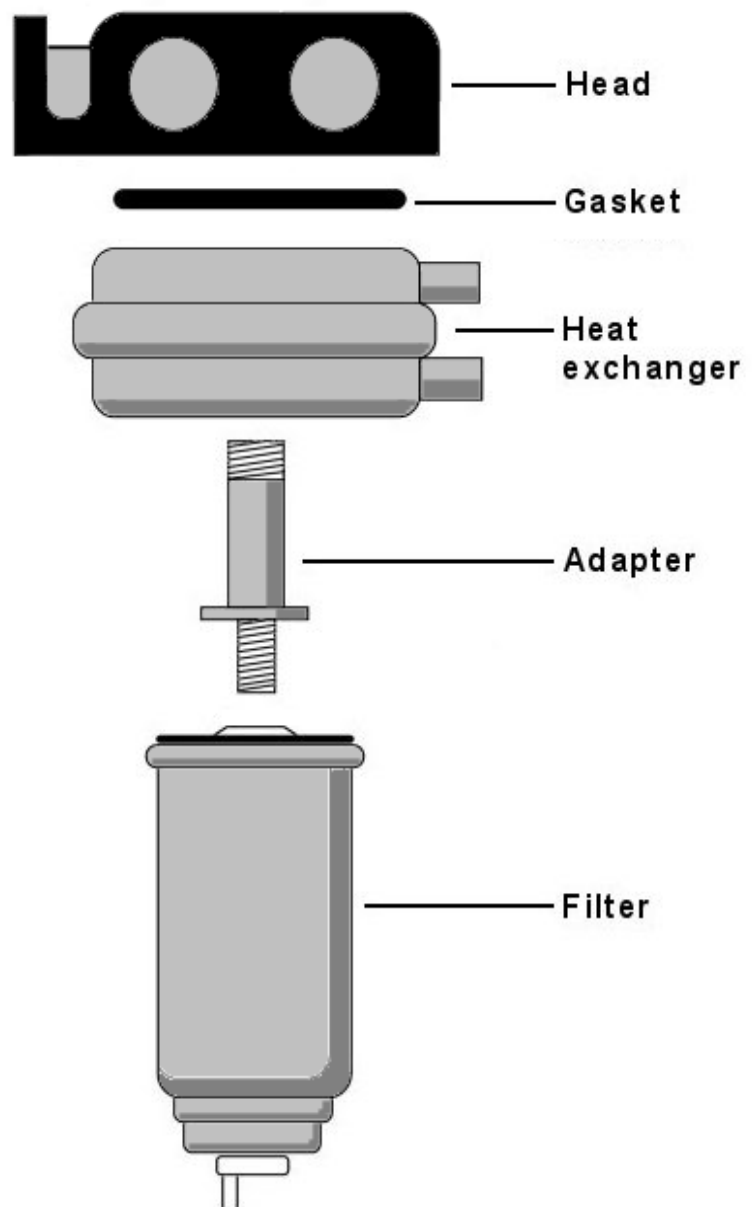
3) Remove the filter from the heat exchanger assembly. Remove the adapter from the heat exchanger / head assembly. Coat the threads of the adapter where it screws into the head with Loctite, reassemble the heat exchanger, head and adapter, align the heat exchanger in the predetermined location relative to the head assembly, and tighten the adapter securely so that the heat exchanger can not easily be rotated relative to the head assembly. Allow the Loctite to dry for an hour before installing the filter on the filter head assembly.

4) Fill the filter with diesel fuel before installing the filter.

5) Mount the filter assembly in place and connect the coolant and fuel lines.
The heat exchangers coolant ports are not specific, you may use either as the inlet or outlet. The fuel ports are marked "I" for In and "O" for Out

6) Use the supplied thread sealant when installing the fittings in the filter head, following the directions on the tube.

7) When replacing the filter be sure to remove the center gasket from the new filter.



Filter part numbers and cross reference.

Fleet Filter

WIX 33472 for \$6.19 each + shipping

WIX 33358's for \$4.62 each. (equivalent without a drain)

<http://www.fleetfilter.com/fuefilters.html>

The filters will come NAPA branded, but they are the same WIX filters inside (just 1/3 the cost).

RockAuto

1 457 434 106 Bosch \$9.07

<http://www.rockauto.com>

Avoid the ACDelco TP858, they are NOT compatible with SVO and will plug up within 50 miles.

Many people are getting 7000 miles on the WIX 33358's.

A hint on finding these filters either online or at your local parts place:
Look up the fuel filter for a 1983 Volkswagen Pickup 1.6L Diesel.

Napa will usually have their equivalent (made by wix) for \$15+ if you are in a pinch. Good luck finding one locally though, as they are not stocked at most of the local big chain parts houses like Schucks/Checker, PepBoy etc..

Part numbers:

Bosch	1 457 434 106
Meyle	100 127 0005
Meyle	068 127 177 BMY
WIX	33472
WIX	33358
WIX	33365
WIX	33361
WIX	33368
WIX	33124
WIX	33662
AC Delco	TP 1067F
AC Delco	TP 1282
AC Delco	TP 1288
Car Quest	86358
Baldwin	BF788
Baldwin	BF988