

Lubro(Liqui)Moly Diesel Purge Procedure

(w / Fuel Filter Change & Prime in PD TDI engines)

What is Lubro(Liqui)Moly Diesel Purge?

[From www.liqui-moly.de] LiquiMolyDiesel Purge removes deposits from injectors and the pistons / combustion chamber. Eliminates engine-running problems. No more knocking under partial load -- smoother idling and softer engine running. Cleaner injectors produce optimum engine running. Cleans the whole fuel system. Protects against corrosion. Guarantees good combustion, increased economy and operational reliability.

Where can I get it?



and other Lubro(Liqui)Moly dealers.

How do I use it in PD & VE TDI Engines?

There are a number of proven and good techniques for performing a Diesel Purge on TDI engines – this method was described to me by TDIclub member **Mike 04GolFTDI**.

What you'll need:



1. Funnel (w / hose & lid)
 2. Small Hose Clamp
 3. 5/16ID Fuel Hose (1 foot)
 4. Purolator F20011 Fuel Filter (comes with 4 hose clamps and 2 short sections of fuel hose)
 5. 5/16 Vacuum Hose T
- Items below are not pictured.*
6. 5/16 Vacuum Hose Couplers
 7. 5/16 Vacuum Caps (4)
 8. LubroMoly Diesel Purge
 9. New Fuel Filter

Procedure:

- 1) Assemble Diesel Purge (DP) delivery system



A. Using one of the short sections of fuel hose and two of the hose clamps supplied with the Purolator fuel filter, connect the T with the fuel filter.



B. Connect the Funnel to the Vacuum T.

I cut a small (~3/4 inch) section of fuel hose, inserted it onto the T, then slid the funnel hose over it and secured it using a small hose clamp.



C. Make a Lift Pump Return Line
[Only for 04 and Later TDI engines, earlier models were not equipped with lift pumps]

Cut ~10inches of 5/16ID Fuel Hose and slide the remaining two hose clamps that were included with the fuel filter over either end.

D. Connecting the DP Delivery System

[A = Fuel OUT from Filter (Fitting), B = Fuel RETURN to Filter (Fitting), C = Fuel Delivery Line, D = Fuel Return Line]



1. Remove the Fuel Return Line (D) from fitting B and connect it to the T fitting.

2. Remove the Fuel Delivery Line (C) from fitting A and connect it to the Purolator Fuel Filter output fitting.

3. Connect the lift pump Return Line to fittings A and B. In this picture, I have already replaced the old fuel filter with a new one. As soon as the engine is started to begin the DP process, fuel will be circulated through the new stock filter – filling and priming it for use. [Note: this only works for 04 and later (lift pump equipped) TDIs]



Performing the Diesel Purge

Suspend the fuel filter so that it is vertical in orientation and the hose attached to it is straight with no kinks (I used a bungee cord).

Clear all tools from the engine compartment, open the lid of the funnel, pour in $\frac{1}{2}$ of the can of DP, close the lid.

Remove air from the system and fill the Purolator fuel filter by squeezing and releasing the clear funnel hose.

Start engine and vary RPMs until funnel is empty and level can be seen in the funnel line (see image in lower left of this page). Pour remainder of DP into funnel and vary engine RPMs until DP level reaches the top of the T fitting. You're DONE ☺

Remove lift pump return line, connect D with B, and A with C (see bottom image on page 2). Using a line clamp (like the one pictured below) will eliminate fuel spilling when removing and reconnecting lines.



Tape the funnel lid closed, and using the 5/16 caps and couplings, seal up your DP system for future use. I store mine in a clean plastic container with a lid.

