

- Subject : Exchanging fuel lines
- Applicability : All DG and LS powered sailplanes
- Effectivity : When exchanging fuel lines
- Reason : When exchanging fuel lines it may be possible that rubber abrasion from cutting the hoses or slipping the hoses onto the fittings remain in the fuel system. Such abrasions may clog the carburettor needle valve which may lead to overflowing the engine.
A thorough flushing of the fuel system is necessary after exchanging fuel lines.
- Instructions : Detach the fuel supply line from the carburettor. In case of 2 carburettors detach the lines from both carburettors.
Connect a hose to the fuel line with a straight fitting or in case of 2 carburettors with a T-fitting. Lead the hose into a fuel canister.
With the DG-1000M detach the hose behind the emergency system from the tube 10M198 (left side in MM diagram 16) and connect a hose leading in a canister to the tube. Lead the hose into a fuel canister.
If you want to use the fuel again install a fine paper fuel filter e.g. MANN 500009180 WK 31/2(10) DG part No. 60507571 in the hose.
Switch on the ignition to start the motor gliders fuel pump and flush the fuel system with min. 5 Liters of fuel.
In case of the DG-1000M the fuel flow will stop after a short time, then switch over to the emergency system and continue flushing.
- In case a refuelling system (with internal or external refuelling pump) is installed this system must be flushed too. Detach the fuel line coming from this system from the fuel tank and connect the fuel line with a straight fitting to a hose leading in a canister with fuel.
Switch on the refuelling pump and flush the system with min. 5 Liters of fuel.
- If the engine ran already after exchanging the fuel hoses the carburettor needle valve (not applicable for LS8-t, LS10-st and DG-1000M) should be cleaned too according to the MM section 1.13.7 (DG-500 – 800 variants), 1.12.5 and 6 DG-400, 1.14.9 DG-1000T, 1.12.7 LS9.
- Remarks : The work has to be done in a certified maintenance organization and released by certifying staff.

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