

---

REASON                    Insufficient fuel flow.

EFFECTIVITY              PIK 20 E serial numbers 20203-20259.

DESCRIPTION              There have been field reports of insufficient fuel flow, which occurs as rough running when the electric fuel pump is off.  
This has been caused by too tight securing clamps on the fuel hose and dirt in the fuel line.

COMPLIANCE                Within the next five (5) hours of engine time or next maintenance, whichever occurs first.

INSTRUCTIONS             1. Check that the clamps, securing the fuel line hoses, are in right shape so they do not deform the hose and thus affect the inner diameter.

                             2. Check the type of the fuel filter. If the type is Mopar Part No. 2084467, then perform the steps 3, 4, 5, 6, 7 and 8.  
If the filter not is a Mopar type, then perform the steps 4, 5, 6, 7, and 8.

                             3. Check the fuel filter connections if there are any possibilities for the filter to have cut pieces of the hose during the installation of the filter. If it can be seen that the hose is cutted, the carburettor must be opened and the inlet needle cleaned.

./..

---

Lubricate the hose ends with oil and do not twist the hose when connecting the filter. Clean the fuel system by running fuel through the system with help of the electric fuel pump before the hoses are connected to the carburettors.

4. To ensure that the fuel flow is sufficient, a fuel flow test is to be made.  
Remove the fuel feed line, which comes from the electric fuel pump, at the Mikuni fuel pump on the engine pylon.
5. The fuel tank should be filled with ca 10 litres of fuel.
6. Measure the fuel flow by taking the time for a measuring can to be filled when the electric fuel pump is on. If the fuel flow is less than 35 litres/hour, the fuel system must be rechecked.
7. Change the fuel filter in the next 25 hours maintenance to a new filter P/N 20E-31-001a-11, (Purolator GF6/8S) which does not cut pieces from the hose.
8. Perform a test run. The engine must run at least 5600 rpm smoothly also when the electric fuel pump is off.

WEIGHT AND  
BALANCE

No effect.

APPROVED BY THE  
NATIONAL BOARD OF AVIATION  
IN FINLAND

---