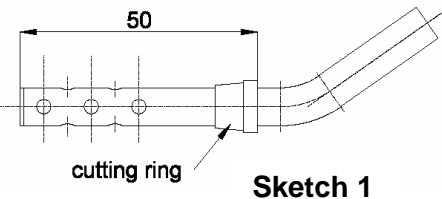


**Modification of the fuel system**

See MM diagram 8 (removal) and diagram 8a (installation)

**A Cockpit area**

1. Remove the existing shut-off valve.
2. Cut the aluminium-tubes directly behind the olives, debur the ends and clean carefully..
3. Screw the threaded connectors (with olive and cap nut) into the new fuel cock KH 1075 ¼" with red handle.
4. Install the fuel cock with the olives and cap nuts onto the aluminium-pipes.
5. Fasten the fuel cock with one of the existing pipe clamps see photo.

**B Fuselage centre area (between tank and electric fuel-pump)**

1. Empty the tank completely.
2. Remove the complete fuel system between tank and electric fuel-pump. To accomplish this dismount the cap nut at the fuel pump and at the shut-off valve and dismount the pipe clamp from the holder on the fuselage floor..
3. dismount the cap nut from the tank and remove the pipe 4R40/2 from the tank.
4. Install the threaded connector Facet 41199 to the fuel pump.
5. Slide the fuel connector pipe 6R53a into the fuel tank and fasten with new olive and cap nut. Position of the cap nut see sketch 1.
6. Drill a hole dia. 4,5mm 7mm from the end into the handle of the fuel cock KH1072T PTFE.
7. Screw the threaded connectors ¼" (male and female), 8mm to the fuel cock KH1072T PTFE.
8. Install the fuel lines (car rubber fuel hoses inside dia. 8mm with textile fabric) and the filter to the fuel cock according to diagram 8a. Install the filter in the correct direction (flow direction is marked on the filter) . Fix everything with hose clamps 8 – 12.
9. Install the complete assembly see 8. onto the connector Facet 41199 and 6R53a. Fix with hose clamps 8 – 12. Fasten the fuel cock with a new pipe clamp with rubber sleeve 18-15 to the holder on the fuselage floor.
10. Directly behind the fuel cock there are wires which are fixed to the rear main bulkhead with a ty-rap. Remove this ty-rap and enlarge the fixing hole to dia. 4.5mm.
11. Fix the wires with a new ty-rap and install a second ty-rap into the hole in the handle and into the bulkhead to secure the handle against inadvertent closing.

**C Further work**

1. In case that this modification is combined with the periodical exchange of the fuel lines (every 6 years) proceed with exchanging the other fuel lines.
2. Flush the complete fuel system thoroughly with clean fuel.