

Fuel Selector Valve

If the top of the fuel valve spool is cracked, excessive friction is developed when moving the fuel selector handle. The cracked parts may then break off when attempting to rotate the stiff valve, preventing further fuel selection.

Before the next flight and subsequent flights, we suggest you check for smooth and easy operation of the fuel valve into all positions.

In case of excessive friction we recommend that the fuel valve spool be inspected as follows:

Drain fuel from the tanks, disassemble the fuel valve and check the integrity of the valve spool:

With a 3/4 inch wrench, open the upper cover of the valve. Carefully pull out the spool assembly by gently rotating and lifting (if the "tab washer" jams in the threads, lift it with a piece of bent locking wire).

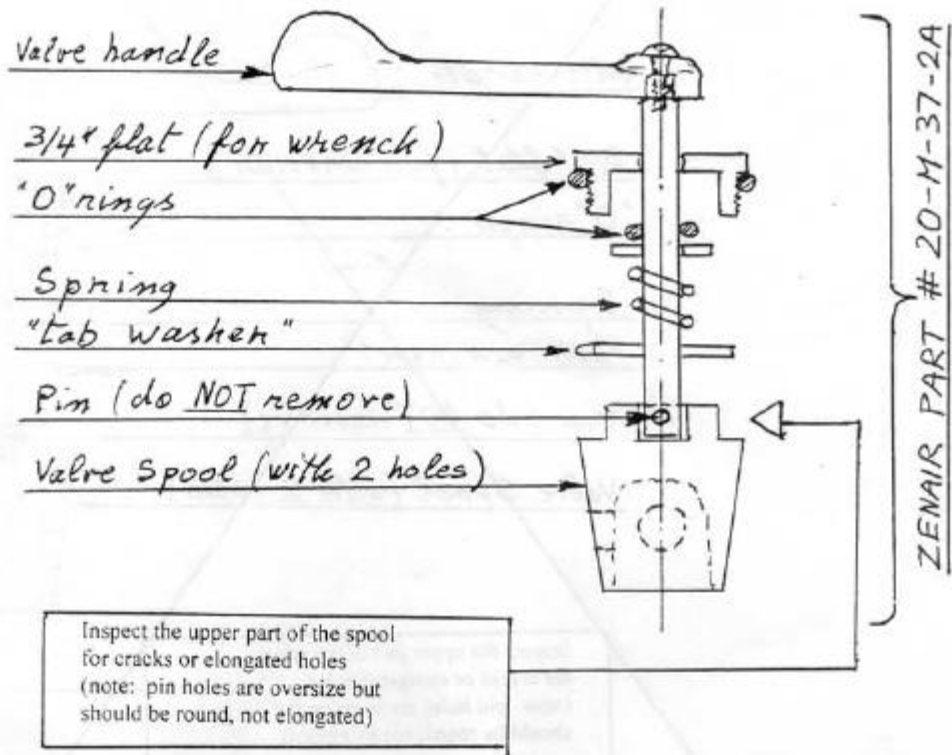
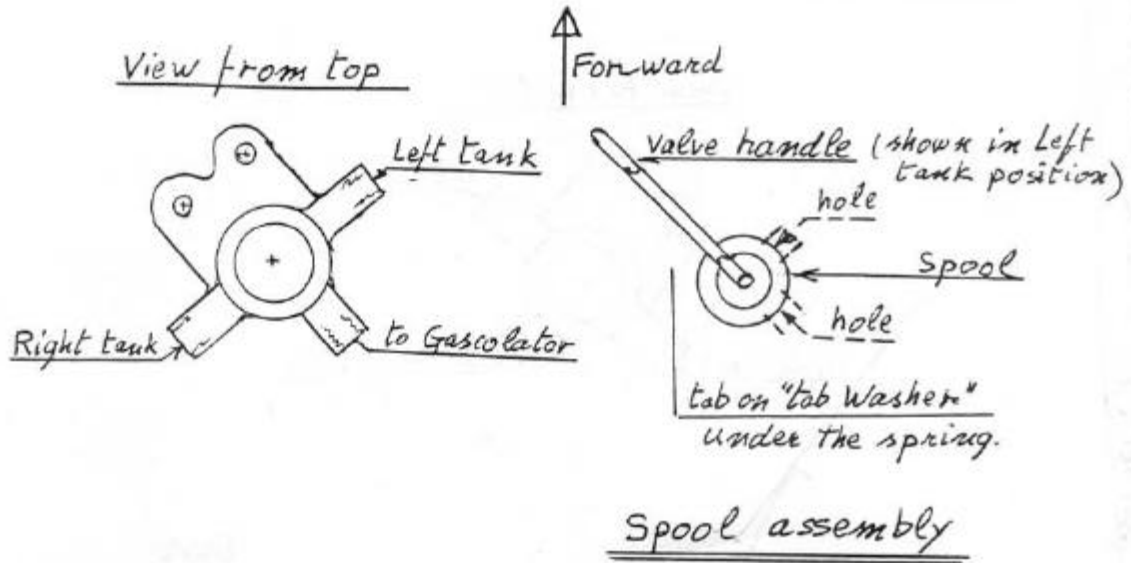
Inspect the upper part of the spool for cracks or elongated holes (do not remove the pin!). If the spool is found faulty, replace the whole spool assembly (Zenair part number 20-M-37-2A) and reinstall carefully: handle and spool holes as per diagram; and the tab of the "tab washer" in the recess of the housing.

Refuel one tank at a time checking that the valve is correctly installed to feed the fuel from the tank as marked.

Regardless of no excessive friction, we recommend that you perform above inspection at the next aircraft inspection.

For additional information contact Zenair Ltd

WING TANKS



FUSELAGE TANK

Same as above except that the spool has three holes positioned as shown.

