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**SERVICE BULLETIN**

**SB020-894**

Subject: LANCAIR IV Fuel Selector Valves  
Date: 20<sup>th</sup> August, 1994  
Ref: None  
Pages: 1  
Status: Service required to valves with part

The fuel valves for Lancair I utilize three O-rings on the internal spindle. Original information supplied by our O-ring vendor stated that they would not be adversely affected by fuel. While this is technically true, we've found that they do swell somewhat and this swelling can cause rotational stiffness beyond acceptable levels.

All Fuel Selector Valves with part #FU560 must have the three O-rings replaced. Later model selectors #FU560V have the new Viton O-rings #2-210V.  
If you have need the new O-rings, please call Neico Aviation and they will be immediately shipped at no charge.

**PROCEDURE:**

1. Remove the selector handle by removing the center screw only.
2. Remove the flat panel by removing the three flat head screws.
3. Remove the valve spindle by rotating as you pull up. It may be easier to re-install the handle temporarily when pulling the spindle out.
4. Remove the three O-rings.
5. Install the new O-rings and apply a light film of motor oil as a lube.
6. CAREFULLY reinstall the spindle. As you push the spindle down into the valve body, be sure to rotate either clockwise or counterclockwise as you push. THIS IS CRITICAL. If you simply pushed straight down, the O-rings could be cut as they pass by the ports.
7. In a reverse procedure, reassemble the upper valve body assembly.
8. Discard the old O-rings.



