

SERVICE LETTER

Revised February 23, 1998

Service Information Letter No. 77 Subject: Fuel Selector Valve Indexing

There has been some difficulty encountered in the field when replacing Stinson fuel selector valves. If the valves are not indexed properly in relation to the panel mounted selector knob an unsafe condition could be created. The original production Stinson valves had a square end on the valve stem which permitted 4 possible ways to index the panel knob in relation to the valve. The currently supplied valves have a "dog house" type end [see illustration A]. Since the control shaft socket that accepts the valve stem is actually more rectangular than square, especially after years of wear, the new type valve stems tend to fit better with the "dog house" arch placed in the longest dimension of the socket. This allows only two possible ways to index the knob, both of which may be wrong. All new valves (P/N 44725 and 44745) supplied by Univair will have the stem filed flat prior to sale.

To prevent the possibility of the selector valve being in the "off" position when the panel knob indicates a tank in use, or possibly getting fuel flowing from the tank opposite from the indicated tank the following procedure is recommended. This procedure should be used when installing new valves or reinstalling valves after lubrication or compliance with Stinson Service Bulletin No. 250.

1. File off "dog house" arch to make valve stem square if not already done.
2. Set valve ports as shown in illustration B. This is the correct porting for drawing fuel from the right tank. Valve is shown installed in the fuselage as viewed from the pilot seat.
3. Install and safety the control shaft so that the panel knob indicates the right fuel tank is selected.
4. Test valve for smooth action, positive stops at each position, and confirm no fuel flow in the "off" position.

For more information concerning this service difficulty please contact the UNIVAIR Engineering Department.

