

UNIVAIR AIRCRAFT CORPORATION

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INSTALLATION AND MAINTENANCE INSTRUCTIONS FOR U70781-000 FUEL VALVE ASSEMBLIES

These instructions are for the installation of the PMA'd Univair U70781-000 fuel valve in the following aircraft:

J3C-40, J3C-50, J3C-50S, J3C-65 (Army L-4, L-4A, L-4B (Navy NE-1), L-4H, L-4J (Navy NE-2), J3C-65S, J3F-50, J3F-50S, J3F-60, J3F-60S, J3F-65 (Army L-4D) and J3F-65S, J3L, J3L-S, J3L-65 (Army L-4C), J3L-65S, J5A (Army L-4F), J5A-80, J5B (Army L-4G), J5C, AE-1, HE-1

Note: These instructions are for the installation of the U70781-000 fuel valve only. They do not include instructions for maintenance of the fuel system that may need to be performed at the same time as the fuel valve installation.

All work should be performed by a properly certified aircraft mechanic and all appropriate logbook entries should be placed in the aircraft records prior to returning the aircraft to service.

1. Drain all fuel from aircraft.
2. Disconnect fuel lines and control cable from existing fuel valve and remove valve.
3. Note that U70781-000 fuel valve is not fully open when the handle is in the open position. The opening is still larger than that of the original Piper fuel valve and has been proven to be more than adequate per certification testing for FAA-PMA.
4. Install fittings from old fuel valve (or new fittings if required) onto ends of fuel valve. Use Permatex Form-A-Gasket No. 1 or No. 2 to seal threads. Do not use Teflon tape.

IMPORTANT: When tightening fittings support the fuel valve by its wrench flats at the end that is being tightened. Do not support the fuel valve by the fuel valve body to tighten the fittings. This may allow the fuel valve cap to tighten also and make the operation of the valve difficult or impossible.

5. Install U70781-000 fuel valve in opposite order that original fuel valve was removed.
6. Pour small amount of fuel into fuel tank.
7. Check operation of fuel valve and check for fuel system leaks. Fix leaks as required.
8. Fill fuel tank and check fuel valve and fittings for leaks. Fix leaks as required.
9. Make appropriate logbook entries.

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

The U70781-000 fuel valve assembly is mounted in the same location, in the same orientation, using the same attaching hardware and fittings as the original Piper fuel valve. It therefore has the same accessibility as the original valve. The inspection requirements with respect to the fuel valve assembly are unchanged with the installation of the Univair fuel valve. The Univair replacement fuel valve, when installed, is to be included in the standard maintenance program for the aircraft (FAR 23.1529). Existing instructions for continued airworthiness still apply.