



**SERIES 5 & 6
FUEL VALVE RETROFIT KIT
(DOCUMENT P/N 64344.000)**

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SERIES 5 & 6 FUEL VALVE RETROFIT INSTRUCTIONS

NOTE

The aluminum fuel line and its associated nuts and sleeves are supplied in the various Engine Component Kits, as they are engine-specific.

1. Remove old fuel valve, placard, and hardware if installed.
2. Drill a 3/4" hole in the center console fuel valve location (same location as older valve style).
3. Using a fuel-resistant, paste-type thread sealant, such as Permatex #9A, install the straight AN fitting (engine side of fuel valve) supplied in the engine kit into the fuel valve. Do the same to the aft end of the fuel valve only using the supplied 90° fitting (-6 fitting for Cont. and Lycoming, -5 for Rotax engines).
4. Using the fuel valve sticker as a trim guide, shape the sticker plate to the exact size as the sticker. Peel the backing from the sticker and install it on the sticker plate. Drill through the sticker and plate for the fuel valve mounting (3/4" diameter).
5. Install the fuel valve in the center console using the locking nut.
6. Install the aluminum angle up against the pilots side of the fuel valve and drill two 30# holes in to the center console for the flush head rivets as shown. Rivet the angle to the center console. Install the handle on the valve and operate the valve; check for smooth, positive positioning of the valve selector.
7. Fabricate and install the aluminum fuel line that runs from the header tank outlet fitting to the fuel valve. The routing for this line is up the center of the aircraft between the left and right seats, just above the structural tubing in the floor, then up and forward to the shut-off valve. Use standard aircraft tubing flaring techniques.
8. Fabricate and install the aluminum fuel line that runs from the fuel valve forward to the firewall pass-through fitting using the components specified in your specific Engine Component Kit.

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FUEL VALVE HANDLE
MOUNTING SCREW

FUEL VALVE HANDLE

⑤ LOCKING NUT

3/4" (x 1)

④

P/N: 64343.000
FUEL VALVE STICKER

P/N: 91102.000
AN426AD4-5
(x 2)

FUEL VALVE STICKER
PLATE (FAB FROM
P/N: 10579.000 MATERIAL)

CENTER CONSOLE
TOP PANEL

FUEL FITTING TO
ALUMINUM LINE FROM
HEADER TANK

⑦

FWD

ALUMINUM FUEL
LINE TO ENGINE

⑧

⑥ P/N: 64342.000
ANGLE AL, 3/4" x 3/4" x 1"

③ THREAD SEALANT

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