

# AeroVee 2.1

# MINI SUMP INSTALLATION

### Parts Required:

- \_\_ ACV-P06-75, Mini Sump with Filter
- \_\_ ACV-Z01-22, 6mm Elastic Stop Nut (Qty. 6)
- \_\_ ACV-Z01-83, 1/4 NPT Brass Pipe Plug (Qty. 1)

### Service Parts to Keep on Hand:

- \_\_ ACV-P01-54, Oil Change Gaskets

### Assembly Instructions:

*Note: Refer to the exploded photo and the instructions included with the Mini Sump (and reproduced on this page) while installing the mini sump. The following additional notes will assist you with the installation.*

- \_\_ 1. Use the pick-up tube seal from the mini-sump kit that has the large hole. The curved surface goes toward the pick-up tube.
- \_\_ 2. Position the spring, filter and bypass valve in the sump housing and install them in the engine as a single unit.



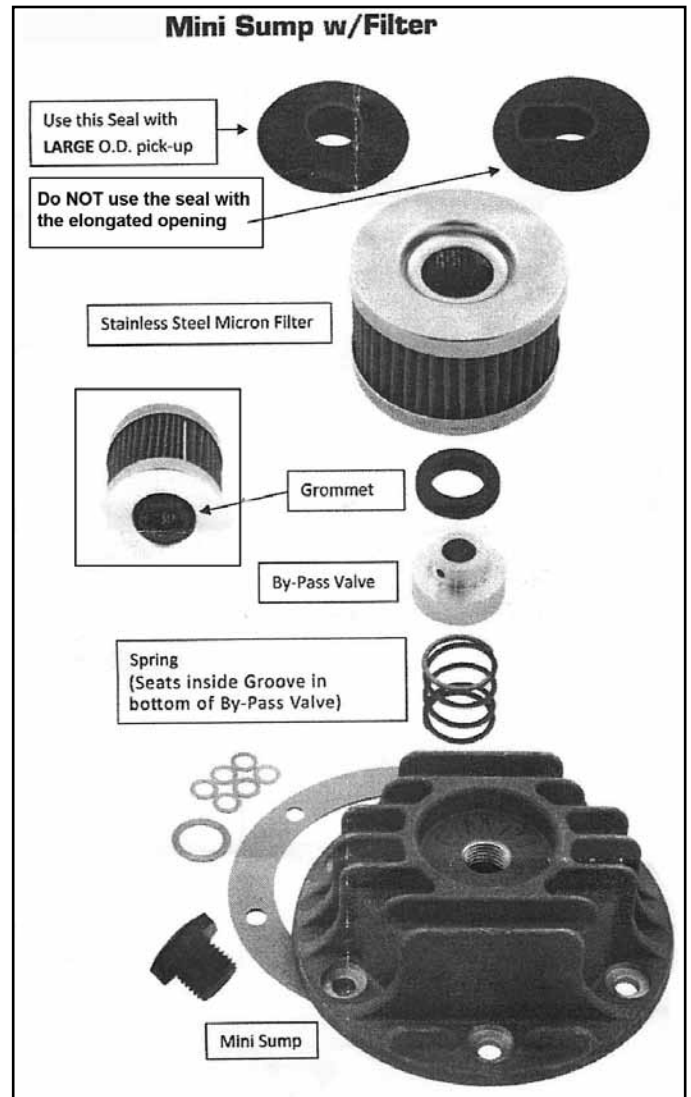
- \_\_ 3. Install the sump housing with the oil return hole oriented on the *left* side of the engine. See photo below.



Left Side of Engine

*This installation has a return line from an oil separator. If this port is unused it must be plugged with a 1/4 NPT pipe plug.*

- \_\_ 4. Secure the mini sump with the (six) copper washers and ACV-Z01-22 elastic stop nuts torques to 60 in-lbs.
- \_\_ 5. Install the drain plug and metal/copper plug washer. DO NOT install an oil temperature sender in the oil drain hole of the mini-sump.



- \_\_ 6. If you will NOT be using a return oil line from an oil separator, install the 1/4 NPT pipe plug in the side port of the mini sump.

### Servicing Instructions:

The reusable filter of the mini sump must be cleaned with each oil change and new gasket fitted.

Oil Change Gasket kits, which include the large paper gasket and all necessary copper gaskets, are available from Sonex Aircraft (part number ACV-P01-54).