



AVIATION

PRODUCT INSTRUCTIONS
Model Number: 16M-SST

Revised July 11, 2019

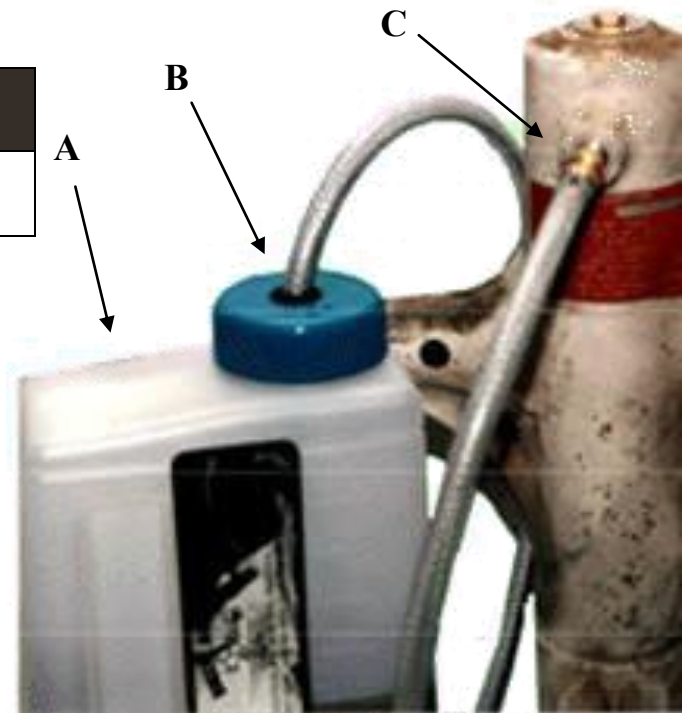


Bogert Aviation Strut Service Tool Instruction Manual

Part Number	Quantity	Description
16M-SST	1	Strut Service Tool

Please ensure you have received all the listed items above. If you are missing any part listed above, please give us a call at 1-800-627-8088.

A	Plastic Container
B	30" Hose
C	Brass Schrader Valve Fitting



BEFORE GETTING STARTED



1. Landing gear struts as with all high pressure systems are potentially dangerous. The contents are under pressure and can cause injury if not treated with respect. Protect your eyes with protective eye wear.



2. These instructions are a guideline. Do not replace the use of the aircraft service manual. The following instructions are typical of most light aircraft air / oil type strut found on Cessna, Piper and Beechcraft, as well as many others.



WARNING: NEVER APPLY A CHARGE WITH OXYGEN

OPERATING INSTRUCTIONS

1. Jack the aircraft (according to the aircraft service manual) until the struts are fully extended and the tires are clear of the ground.
2. Gain access to the Strut Filler Valve. (**Fig. 1**)

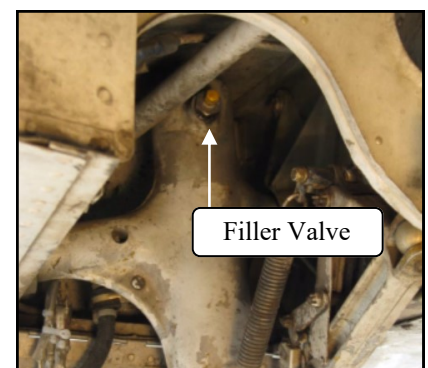
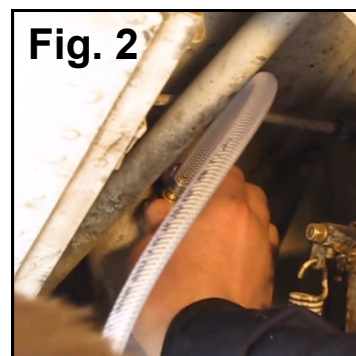


Fig. 1

The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors, which cannot be built into this product, but must be supplied by the operator.

OPERATING INSTRUCTIONS CONTINUED

3. Remove the Filler Valve Pressure Cap. It is usually a yellow cap.
4. Fill the Plastic Container (A) to 1/4 to 1/2 full of the proper hydraulic fluid. Usually this is MIL5606 (RED) hydraulic fluid.
5. Screw the Brass Schrader Valve Fitting (C) onto the strut valve stem just enough to begin releasing the pressure in the strut. (**Fig. 2**) This will open the valve and let the strut pressure escape through the hose and into the plastic container. It may be helpful to raise the tube in the container above the fluid level to keep from BLOWING fluid out of the vent hole.
6. After the pressure has been expelled, tighten the Brass Schrader Valve Fitting (C) onto the strut valve stem.
7. Make sure that the Pickup tube is at the bottom of the container and then lift the tire and wheel assembly to compress the strut. This will force air and fluid bubbles out of the strut.
8. Extend the strut. This will draw in new fluid. Let the strut sit a few moments to allow air bubbles in the strut to work to the top.
9. Repeat steps 7 and 8 a few times until the air in the strut has been replaced by fluid. You will see only very small bubbles in the tube when moving the strut up and down.
10. **Fully Compress the Strut** and remove the Brass Schrader Valve Fitting (C) from the strut valve stem. Service the strut with nitrogen or air as per the aircraft service manual.



For more information, see our You-Tube Videos at
<https://www.youtube.com/user/BogertAviation>
Or search for Bogert Aviation.

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