



AVIATION

PRODUCT INSTRUCTIONS Model Number: 16M-SST2

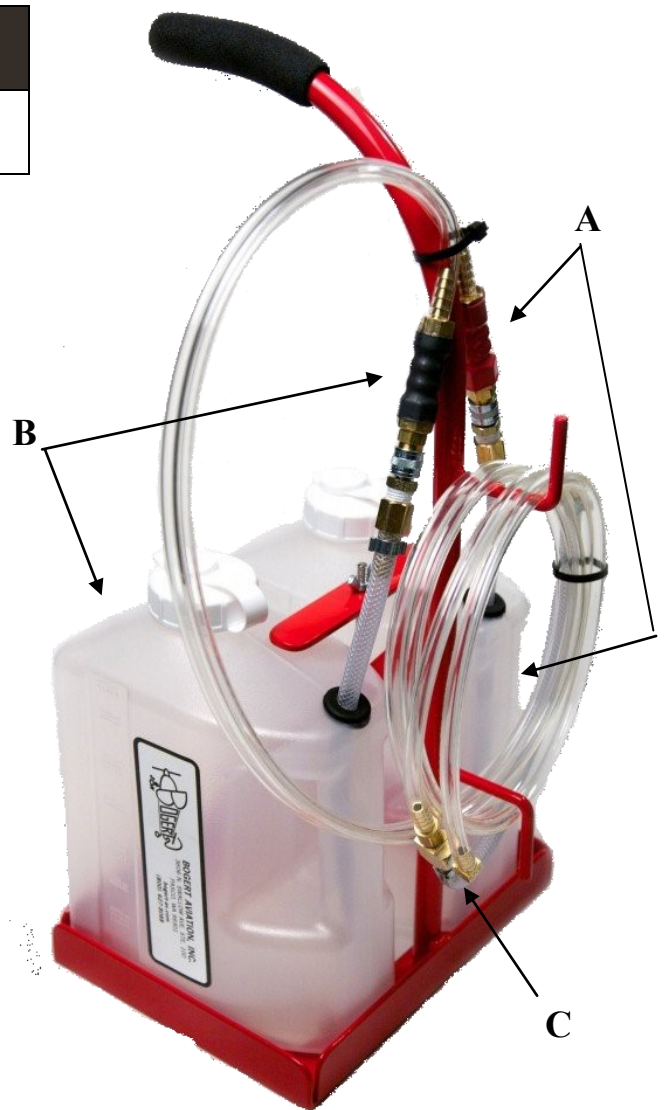
Revised July 12, 2019



Bogert Aviation Deluxe Strut Service Tool Instruction Manual

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

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



A	Supply Tank (Red Hose)
B	Discharge Tank (Black 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.

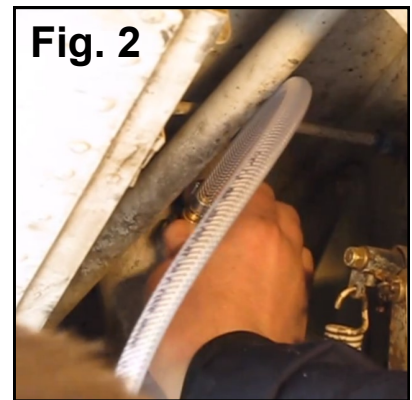
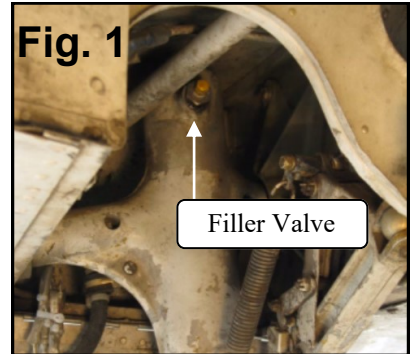


WARNING: NEVER APPLY A CHARGE WITH OXYGEN

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

1. Add hydraulic fluid to the SUPPLY TANK. (Red Hose) (**A**)
2. Jack aircraft (according to the aircraft service manual) until the struts are fully extended and the tires are clear of the ground.
3. Remove the Filler Valve Pressure Cap. It is usually a yellow cap. (**Fig. 1**)
4. 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.
5. The pressure and foam will pass into the DISCHARGE TANK. (Black Hose) (**B**)
6. Compress the strut. Excess foam and hydraulic fluid will be pushed into the DISCHARGE TANK. (Black Hose) (**B**)
7. Extend the strut. Clean hydraulic fluid will be drawn out of the SUPPLY TANK (**A**) and into the strut.
8. Repeat steps 5 and 6 until most of the discharge is fluid and not foam.
9. **Fully compress the strut** and remove the service hose from the valve.
10. Service with Nitrogen or air as required.



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

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BOGERT AVIATION INC.
3606 N Swallow Ave Ste 100
Pasco, WA 99301 USA
(509) 736-1513 Phone
(800) 627-8088 Toll Free
(509) 272-0280 Fax
www.bogertaviation.com
info@bogert-av.com

