



An Oshkosh Corporation Company

EZ Hauler Fiberglass Boom Adhesive Test Procedure – Must be Performed Annually

NOTE: Read all instructions before beginning this procedure. Set up in an assured clear area where the boom may be extended. All four (4) stabilizers must be deployed before starting this procedure.

Supplies Required: Refer to Fig. 12 for details to make a stop/test block for this procedure.

1. Locate the two screws, one on each side near the outer end of the fiberglass stinger. Observe the area for any damage to the fiberglass and record the information. Remove both screws. *(See fig. 1 & fig. 11)*
2. Locate the two screws, one on each side at the inner end of the fiberglass stinger. Observe the area for any damage to the fiberglass and record this information. These screws will be visible through an inspection hole in the 2nd extension. The inspection hole is approximately 11" from the end on model 5500, or 35" from the end on model 3000. Remove both screws. *(See fig. 2 & fig. 11)*
3. Inspect all screws for thread damage or bending. Screws with damaged threads must be replaced with part number 72602095. **If screws are bent, the fiberglass boom must be replaced.** Please proceed with the following steps and record data prior to boom replacement.
4. Extend the last/stinger extension boom fully. *(See fig. 3)*
5. Using the wax (china) marker, draw a line on the fiberglass boom along the end of the 2nd extension boom. *(See fig. 4)*
6. Place the stop/test block over the fiberglass portion of the last/stinger boom. *(See fig. 5)*
7. Using the controls for the crane, retract the last/stinger boom fully until the hydraulics dead-head against the stop/test block. *(See fig. 6)* Release the pressure against the test block and repeat the dead-head and release process four additional times.
8. Again, fully extend the last/stinger boom. Remove the stop/test block. Observe the line drawn in step 2. It should align with the end of the 2nd extension boom as marked in step 2. *(See fig. 7)* **If the line on the boom is no longer aligned as drawn (See fig. 8), the fiberglass boom must be replaced.** If the line is as originally marked, proceed to the next step. If uncertain if movement has occurred, repeat steps 6 through 8.
9. Observe the end of the last/stinger boom outer end of the fiberglass. **If the insert here has pulled out (See fig. 9), the fiberglass boom must be replaced.** If it is as originally assembled, proceed to the next steps.
10. Apply high-strength (red) threadlocker to all four screws. *(See fig. 10)*
11. Thread the screws into the fiberglass and the metal insert tube inside the fiberglass boom. **CAUTION:** Hand-tighten only! Do not use any power tools on the stainless steel screw. The threads will gall-up and you will not be able to properly torque the screw.
12. Torque all screws to 30 ft-lb. using a torque wrench.
13. Procedure is complete.



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Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



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Fig. 7



Fig. 8



Fig. 9



Fig. 10

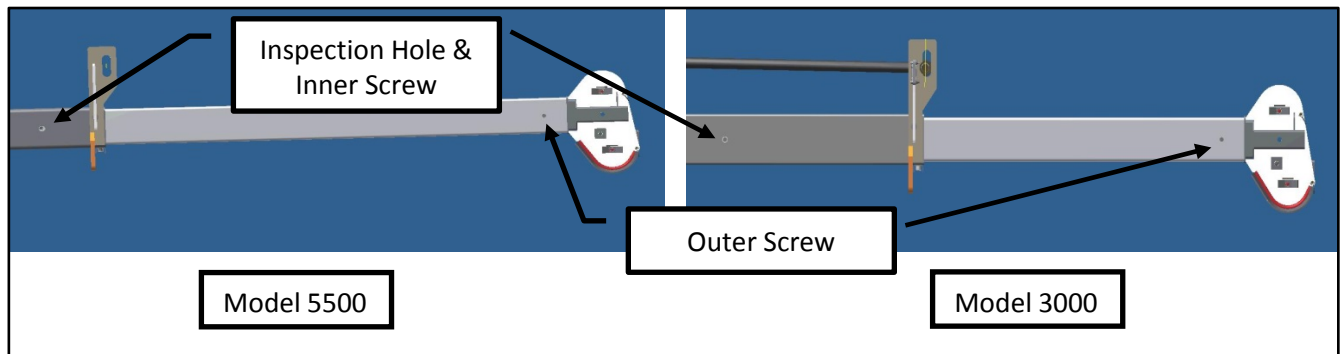


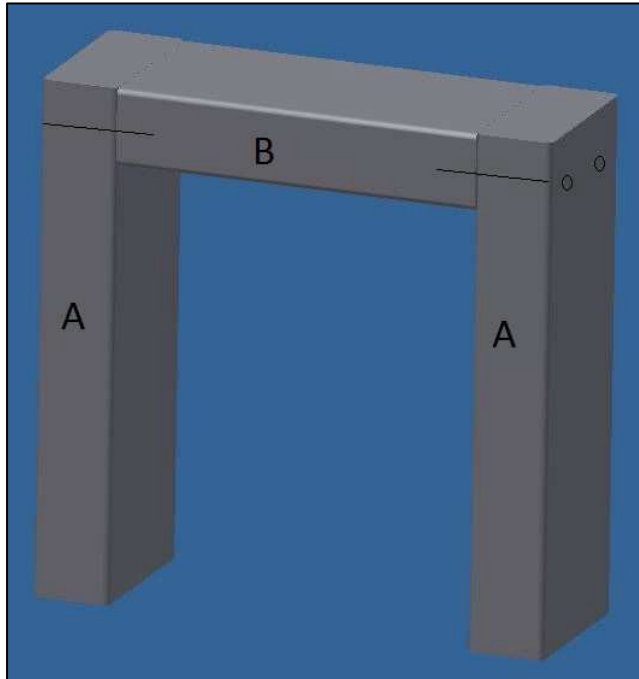
Fig. 11



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To build the stop/test block, shown to the left, use construction grade 2 x 4 lumber. Cut the pieces so that all ends are square.

Item A: (2) pieces 10.00 inches long

Item B: (1) piece 7-1/8 inches long

Screw together with (4) #8 or #10 x 3-1/2 inch long deck/multipurpose screws as shown by the black lines.

This may also be found at:

www.sdpmfg.com Click on "Support", then "Service Bulletins & Documents", then "5500 & 55M Boom Pull Procedure". It can be found on the last page.

Fig. 12



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EZ Hauler Fiberglass Stinger Test Report

Date: _____ Company Name: _____

Test Performed By: _____ Contact Number: _____

Crane Serial Number: _____ Machine Hours: _____

Is there visible damage to the fiberglass around the screws?

At boom tip: Yes No

Comments regarding damage:

At inner boom end: Yes No

Comments regarding damage:

Boom tip adhesive test: Pass Fail

Inner end adhesive test: Pass Fail

Were any of the screws replaced: Yes No

Describe reason for replacement of any set screw:

Return this form to :
SDP Manufacturing Inc.
400 Industrial Drive
Dunkirk, IN 47336

To fill out an online form click **HERE**