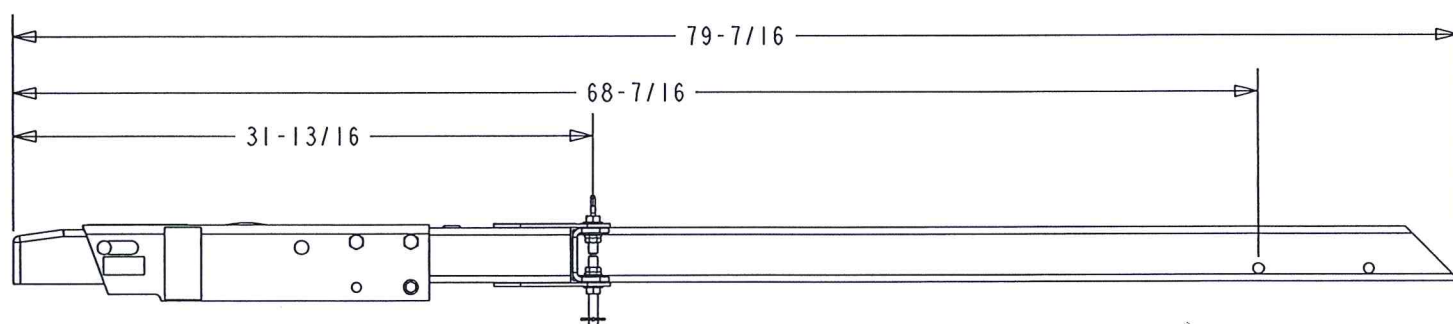
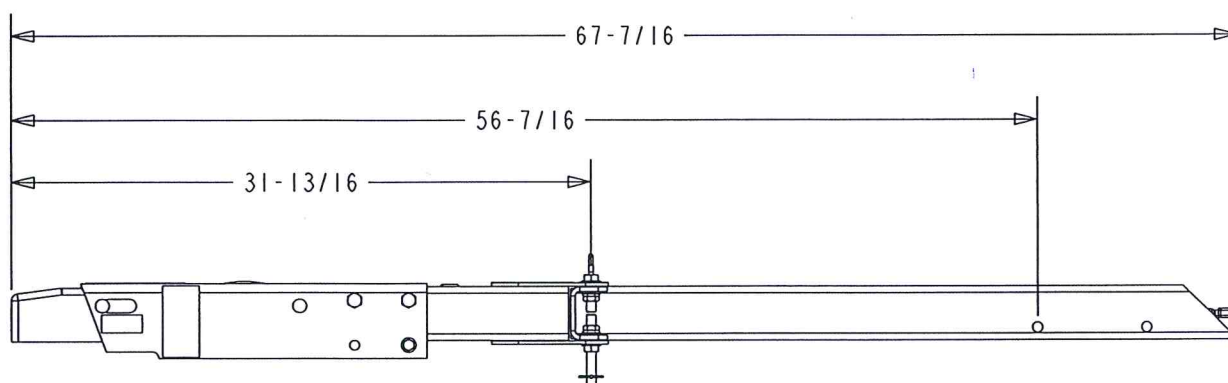


3" Swing Tongue Assemblies for Brake Trailers

The 3" brake swing tongue is designed to replace a straight tongue with brakes that is already installed in a trailer. It DOES NOT include the actuator. The actuator on the straight tongue will be used on the swing tongue.

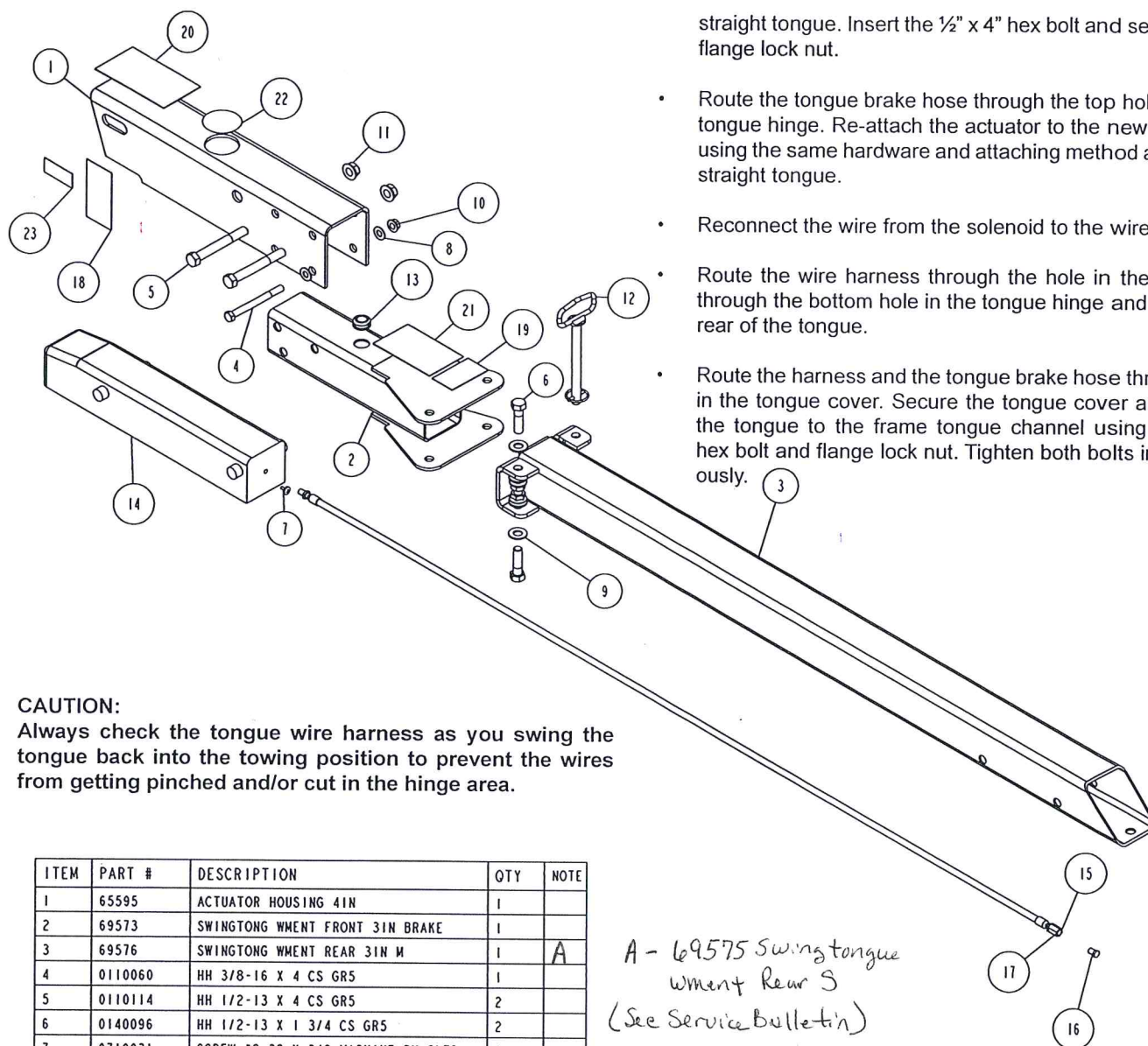
The winch post assembly must never be attached to the swing section of the tongue. The tongue is available in two different length rear sections to accommodate the mounting of the winch post. Choose the correct length that best adapts to the winch post setting for your boat.

The straight tongue must be removed before the swing tongue can be installed. It must also be disassembled so the actuator and safety chains on the straight tongue can be used on the new swing tongue.



Removing the Old Tongue from the Frame

- Remove the boat from the trailer.
- Measure the location of the winch post with respect to the frame tongue channel before removing it so you will know where it needs to be re-installed on the new tongue.
- Remove the winch post from the straight tongue.
- Disconnect the brake line from the side frame brake hose at the coupling located at the rear of the tongue and pull the tongue brake line brake hose out with the actuator when it is removed.
- Disconnect the solenoid wires from the wire harness.
- Remove the actuator from the straight tongue by removing the attaching hardware. Once unbolted, remove the actuator and brake hose assembly.
- Remove the safety chains from the straight tongue.
- Remove the wire harness because it will be re-installed in the swing tongue.
- Loosen the 1/2" x 1 1/2" bolt securing the rear of the tongue to the frame. Remove the bolt completely. Loosen and remove the 1/2" x 4" hex bolt securing the tongue to the front of the frame tongue channel. Note that the two mounting bolts just removed will be used to mount the new swing tongue into the frame tongue channel.
- Slide the tongue out the front of the tongue channel.



CAUTION:

Always check the tongue wire harness as you swing the tongue back into the towing position to prevent the wires from getting pinched and/or cut in the hinge area.

straight tongue. Insert the 1/2" x 4" hex bolt and secure with a 1/2" flange lock nut.

- Route the tongue brake hose through the top hole in the swing tongue hinge. Re-attach the actuator to the new swing tongue using the same hardware and attaching method as used on the straight tongue.
- Reconnect the wire from the solenoid to the wire harness.
- Route the wire harness through the hole in the tongue, then through the bottom hole in the tongue hinge and finally out the rear of the tongue.
- Route the harness and the tongue brake hose through the hole in the tongue cover. Secure the tongue cover and the rear of the tongue to the frame tongue channel using a 1/2" x 1 1/2" hex bolt and flange lock nut. Tighten both bolts installed previously.

| ITEM | PART # | DESCRIPTION | QTY | NOTE |
|------|---------|-----------------------------------|-----|------|
| 1 | 65595 | ACTUATOR HOUSING 4IN | 1 | |
| 2 | 69573 | SWINGTONG WMENT FRONT 3IN BRAKE | 1 | |
| 3 | 69576 | SWINGTONG WMENT REAR 3IN M | 1 | A |
| 4 | 0110060 | HH 3/8-16 X 4 CS GR5 | 1 | |
| 5 | 0110114 | HH 1/2-13 X 4 CS GR5 | 2 | |
| 6 | 0140096 | HH 1/2-13 X 1 3/4 CS GR5 | 2 | |
| 7 | 0710031 | SCREW #8-32 X 3/8 MACHINE PH SLTD | 1 | |
| 8 | 1340095 | WASHER USS FLAT 3/8 | 2 | |
| 9 | 1340100 | WASHER USS FLAT 1/2 | 4 | |
| 10 | 1440101 | HEX LOCKNUT FLANGE 3/8-16 W/T&T | 1 | |
| 11 | 1440102 | HEX LOCKNUT FLANGE 1/2-13 W/T&T | 4 | |
| 12 | 3110334 | PIN HITCH 1/2 X4" W/CLIP PIN | 1 | |
| 13 | 3510597 | GROMMET 13/16IN WITH SPLIT 9/16ID | 1 | |
| 14 | 3991015 | ACTUATOR UFP INNER DISC BRAKE | 1 | |
| 15 | 4510505 | COUPLING - NO.302X3 WTHR-HD TUBE | 1 | |
| 16 | 4510506 | PLUG - #131X3B (BLUEDOT) - BRASS | 1 | |
| 17 | 4510563 | HOSE BRAKELINE MALE-MALE 78IN | 1 | |
| 18 | 4811471 | DECAL CAUTION BRAKE LOCKOUT KEY | 1 | |
| 19 | 4850183 | DECAL SWINGTONGUE PINCH POINT | 1 | |
| 20 | 4850235 | DECAL FOR COATED UFP ACTUATOR | 1 | |
| 21 | 4850422 | DECAL SWINGTONGUE SAFETY INSTRUCT | 1 | |
| - | 5110577 | WIRE JUMPER MALE 5/32 TO WASHER | 1 | |
| 22 | 7010168 | CAP PLASTIC OUTER MEMBER 2IN DI | 1 | |
| 23 | 7010188 | DECAL PUSH BRKT UFP ACTUATORS | 1 | |

Installing the Swing Tongue

- Locate the new swing tongue.
- Insert the swing tongue into the frame tongue channel until the front cross-hole lines with the drilled hole in the tongue. Attach the swing tongue with the hardware removed that attached the
- Place the boat on the trailer. Winch the boat into the winch post bow roller and check for proper winch post adjustment.
- If satisfactory, assembly is complete.

- Match the tongue wire harness plugs with the wires of the frame harness, (yellow to yellow and green to green) then plug together. Wiring is complete. Check to make sure all lighting functions are operating correctly and match the tow vehicle. Make sure all wire protecting grommets are installed to eliminate abrasion.
- Route the brake line tubing from the swing tongue over to the line coming out of the trailer side frame. Connect the two together using the brass coupling provided. Tighten.
- Bleed the brake system using the instructions outlined in the brake owner's manual. Installation is complete.
- Position the winch post assembly on the new swing tongue so it matches the distance from the frame tongue channel it was mounted on the straight tongue. Secure in place using the bolts removed earlier.



03.16.12

Service Bulletin

Attention: ShoreLand'r /ShoreStation Dealers

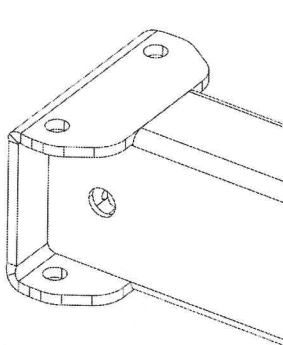
Subject: Swing Tongue Rear Weldment Change

From: Doug Clough • Customer Service Manager • 712.364.3365 ext. 255

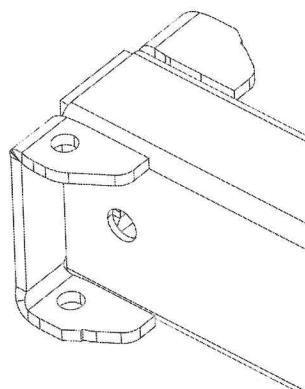
Remarks: ☒ For your review ☐ Action Required

Midwest Industries, Inc. is refining the fabrication and welding processes used in the manufacture of the rear section of our swing tongues. Using the new tube laser, the change involves cutting the tongue tube to create a more precise mating of the tube with the rear hinge channel where they are welded together. This will result in a cleaner weld with equal or greater strength and integrity.

The new rear weldments may be identified by observing the difference in the weld pattern.



NEW



OLD

This is a running change that will eventually be made to all swing tongue sizes and lengths. Part numbers will not change. Old & new style parts are fully interchangeable, so if a rear swing tongue needs to be replaced in the future, it will work with the original front of the tongue.

This change will not change the overall length of swing tongues or the range of adjustability of a winch on the tongue.

Please contact our customer service department if you have any questions.