



KEITH V-FLOOR® / V-SWEEP™ Final Adjustments



Original Instructions

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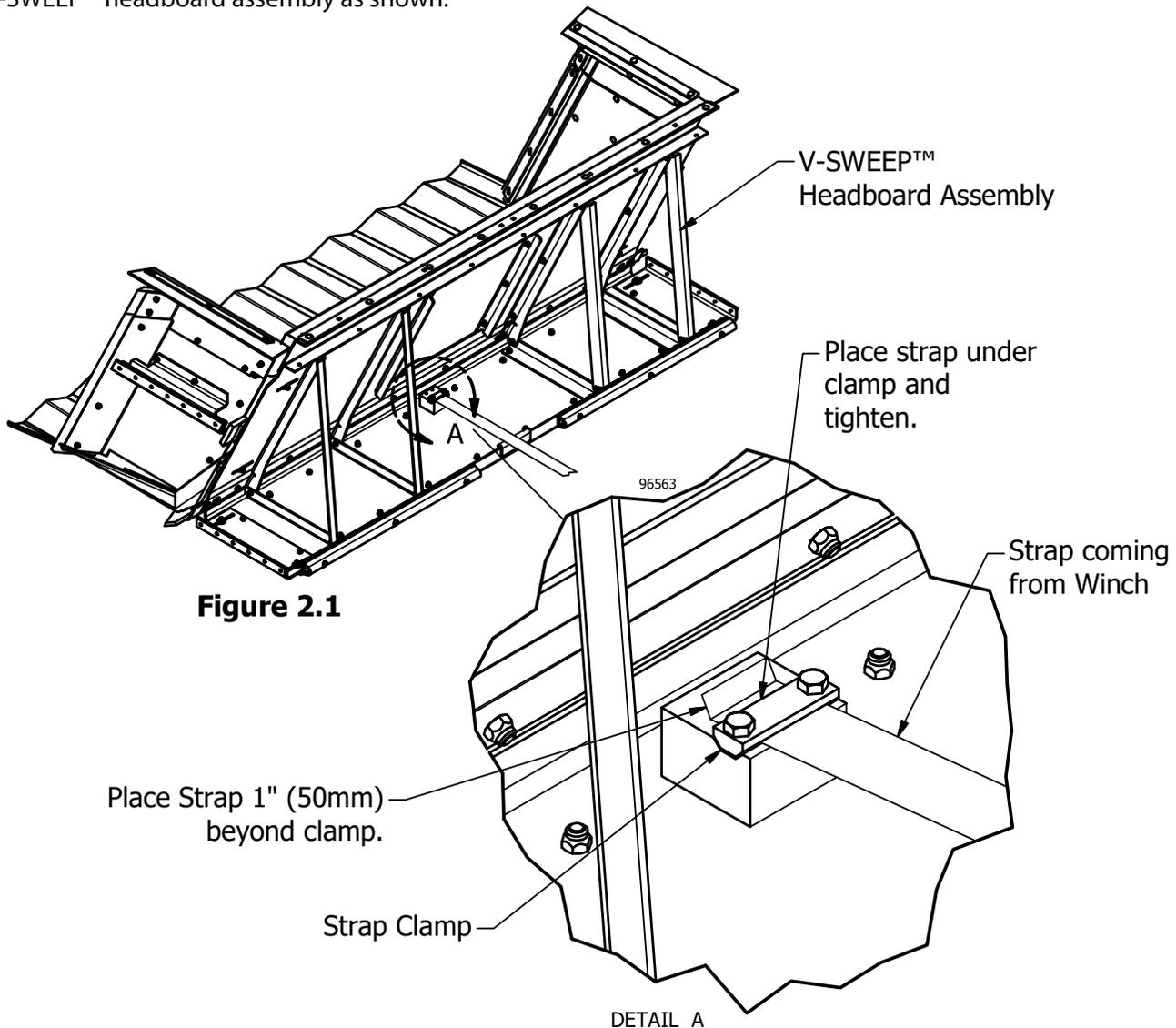
Revised 9/18/18

Final Adjustments

Following are several very important steps that need to be taken to ensure trouble-free operation of your V-SWEEP™ headboard assembly.

Step 1: Check winch operation: Before attaching winch strap to back of V-SWEEP™ headboard assembly, make sure that the winch is operating in the low pressure mode when floor is in 'load mode'. This feature prevents the headboard from running over the strap and damaging it when floor is reversed, but does not exert enough force to move headboard. To check this, switch the floor to the 'load mode' and start the floor. You can stop the winch from turning by pulling on the strap by hand. If the winch is in the high pressure mode, you will not be able to stop the winch from turning!

Step 2: (Figure 2.1) Place headboard: Place fully assembled headboard in the rear of trailer. Attach strap to V-SWEEP™ headboard assembly as shown.



Step 3: (Figure 3.1) Adjust wall guide: Move headboard to the narrowest part of the trailer body, then Center and Square V-SWEEP™ headboard assembly. Adjust wall guides so there is 1/8" (3mm) clearance on both sides. Make sure that there are no welds, bolts, etc. that will be hit by the wall guides as the V-SWEEP™ headboard assembly moves from the front of the trailer to the rear.

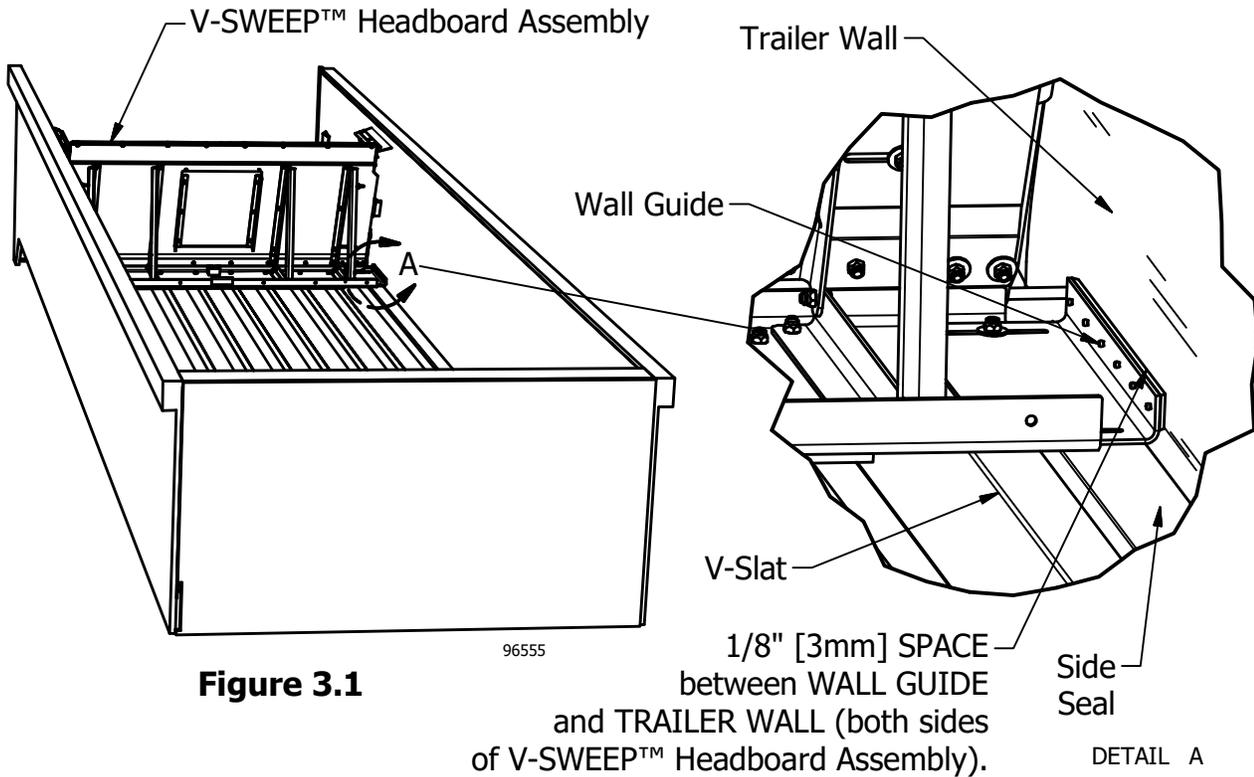


Figure 3.1

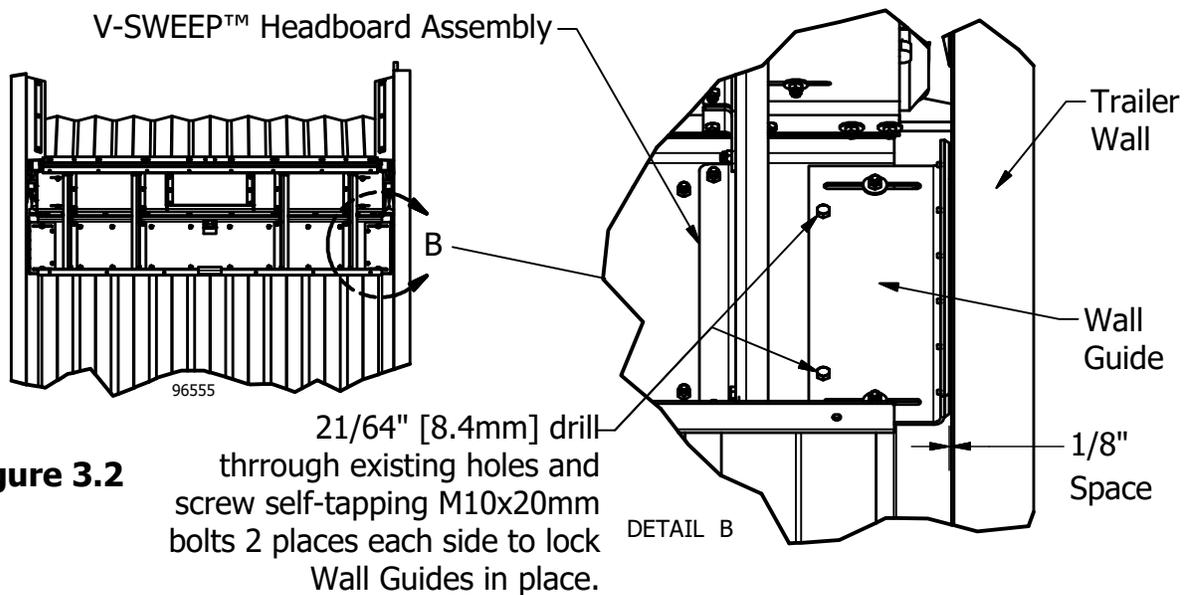
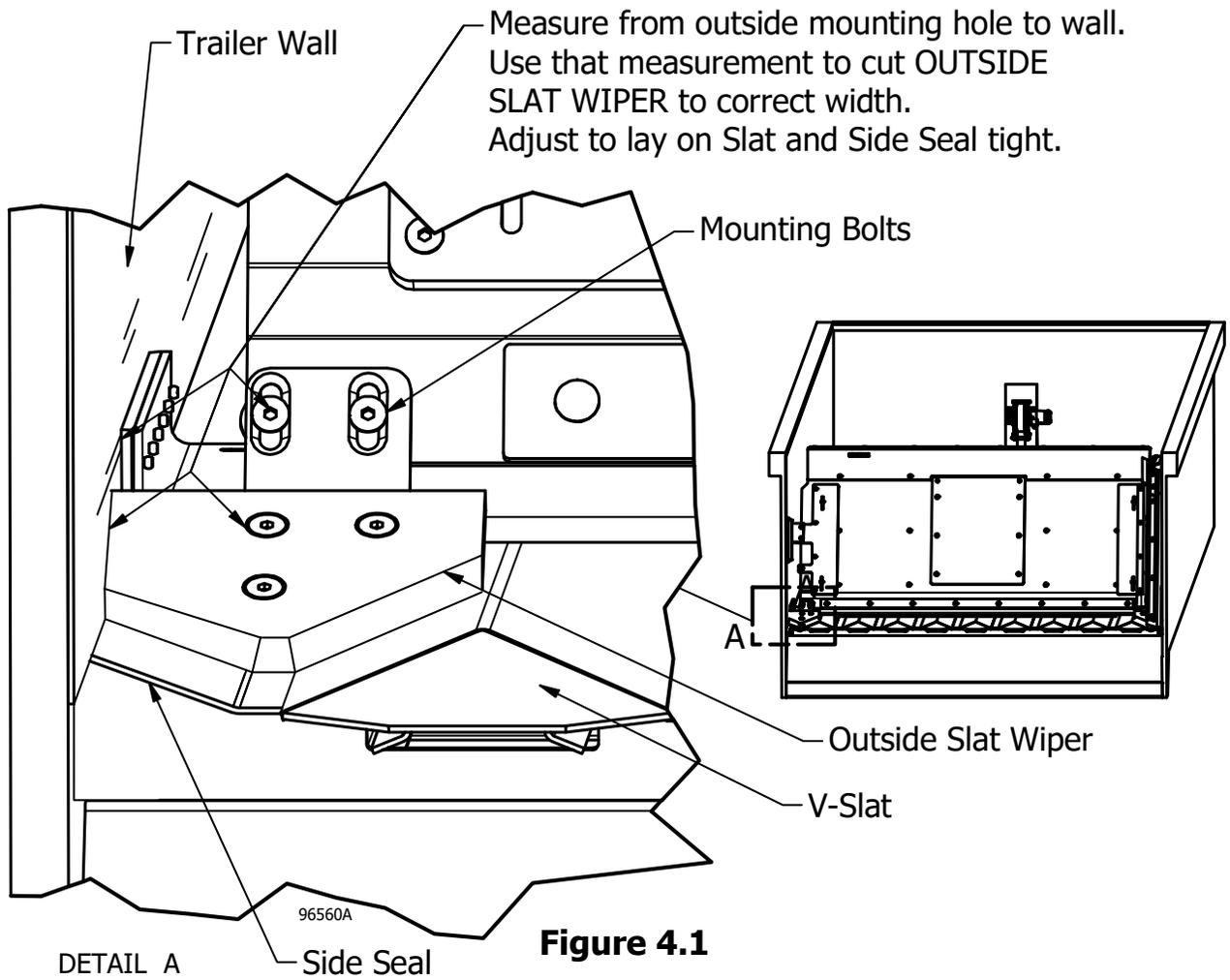
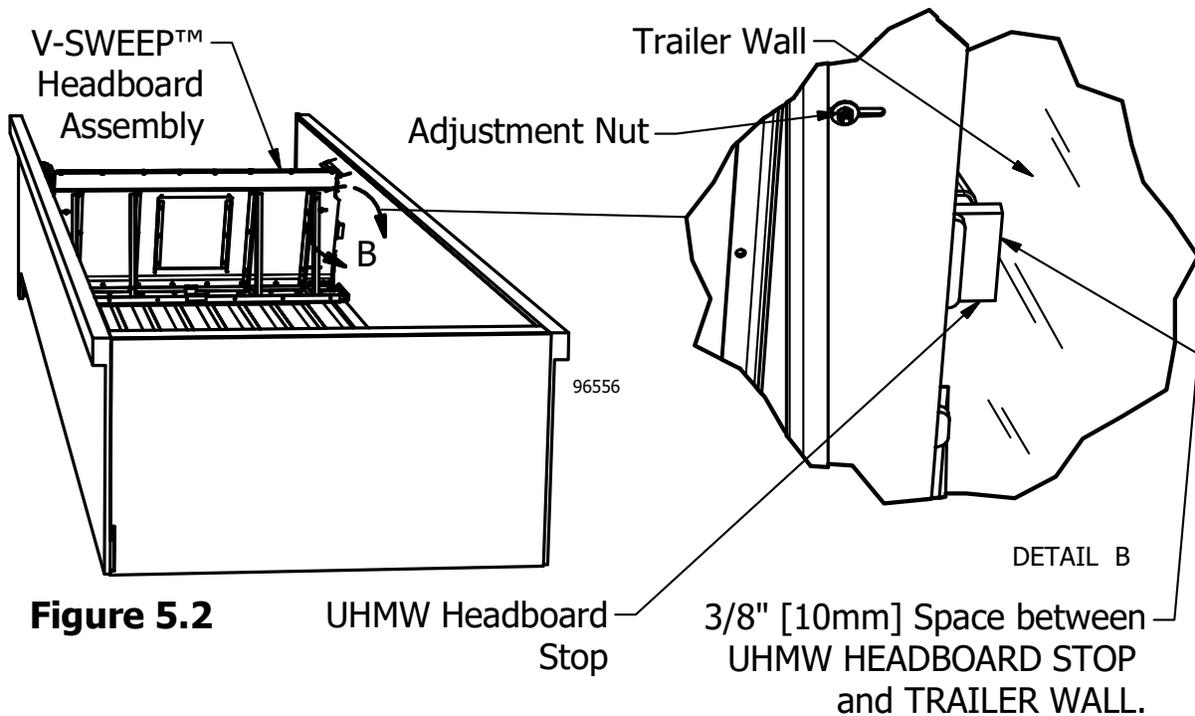
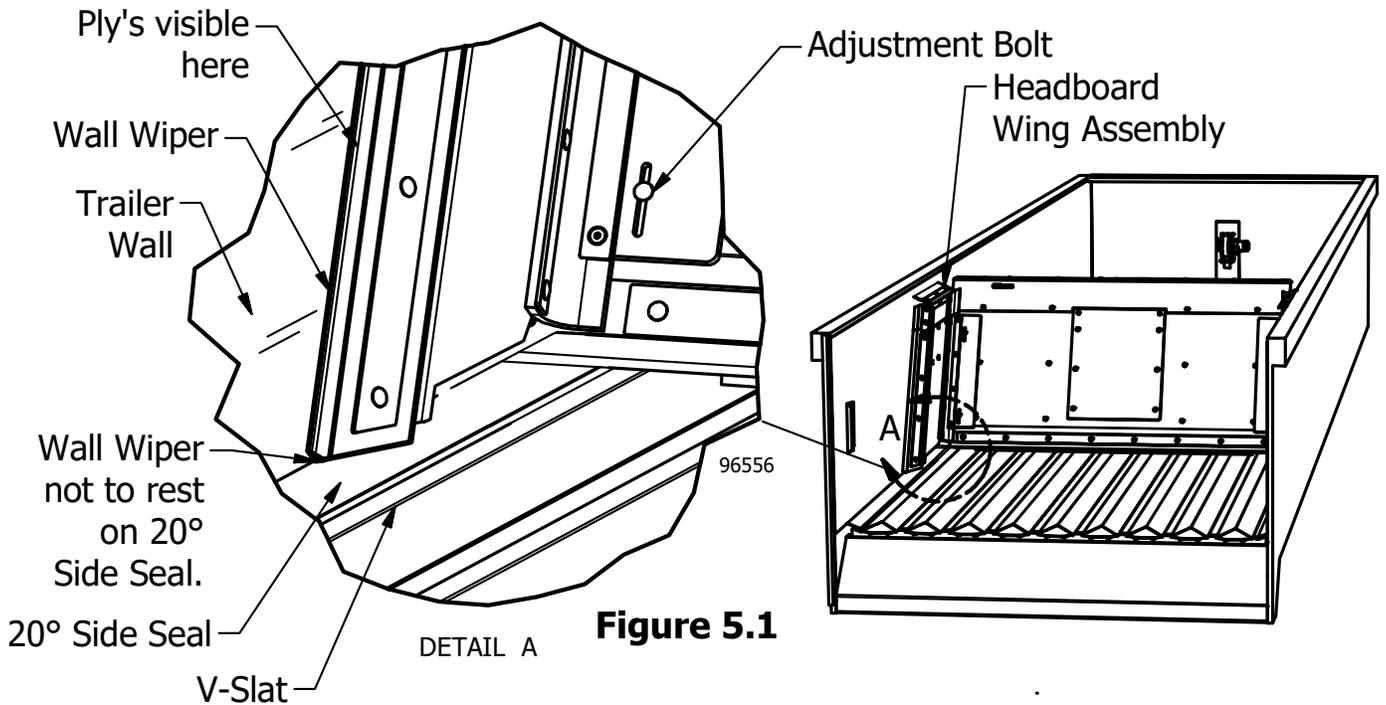


Figure 3.2

Step 4: (Figure 4.1) Fitting Outside Slat Wiper: Measure from outside mounting hole on slope plate to trailer wall. Transfer dimension to slat wiper and cut the Outside Slat Wipers to fit. Attach the outside slat wiper to slope plate. Make sure that Outside Slat Wiper makes contact with Slat and Side Seal.



Step 5: (Figure 5.1) Headboard wing adjustment: Adjust headboard wings to proper height and width. First check that the wall wiper rubber has the correct orientation; the ply in the rubber should be visible when the wipers are laid against the trailer wall. Adjust the height of the wing so that the bottom edge of the Rubber Wall Wiper (nearest floor side seal) does not rest on the 20 degree angle of the floor Side Seal. If it does, adjust the wings upward until the Rubber Wall Wiper no longer is in contact with the 20 degree angle of the side seal. **(Figure 5.2)** While holding the wing at the proper height, adjust the wing outward until the UHMW Headboard Stop is 3/8" (10mm) from each wall. Make sure that both wings are parallel to the trailer walls from top to bottom.



Step 6: (Figure 6.1) Position the headboard: Cycle floor slats to front of trailer and stop floor. Position V-SWEEP™ headboard assembly at discharge end of floor slats. UHMW skid plate on V-SWEEP™ headboard assembly should not extend over angled end of floor slats. **(Figure 6.2)** With V-SWEEP™ headboard assembly in this position, fold wings toward center of trailer and place wall wedge stop on trailer wall touching the UHMW headboard stop on the V-SWEEP™ headboard assembly. Tack the wall wedge stop to trailer wall in this position. Repeat on opposite side of trailer. Retract headboard out of the way and weld both wedge stops 100% to walls. Grind welds. If these welds are not ground smooth, they will quickly wear out the rubber wall wipers. If the wall wedge stops are not in the correct position, the headboard assembly stops will not come in contact with them and the V-SWEEP™ headboard assembly could fall out of the back of the trailer!!

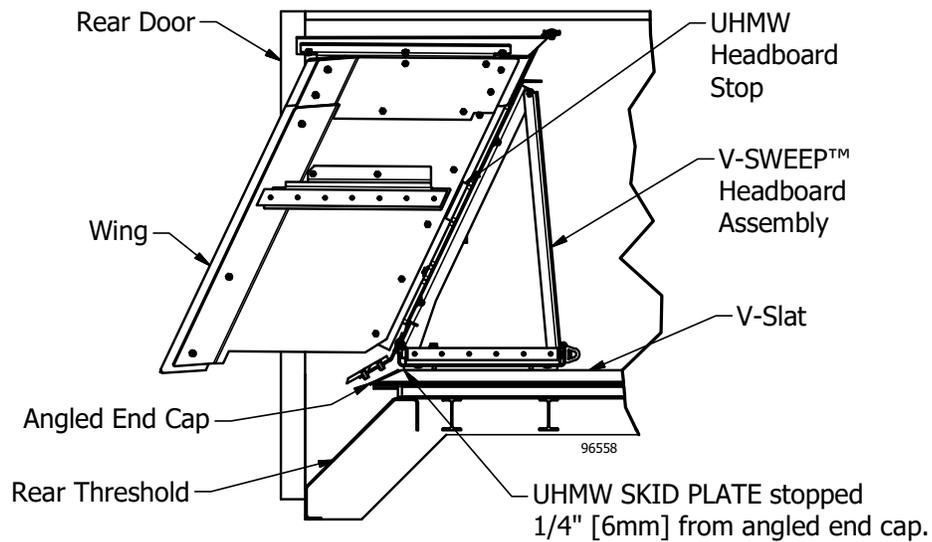


Figure 6.1

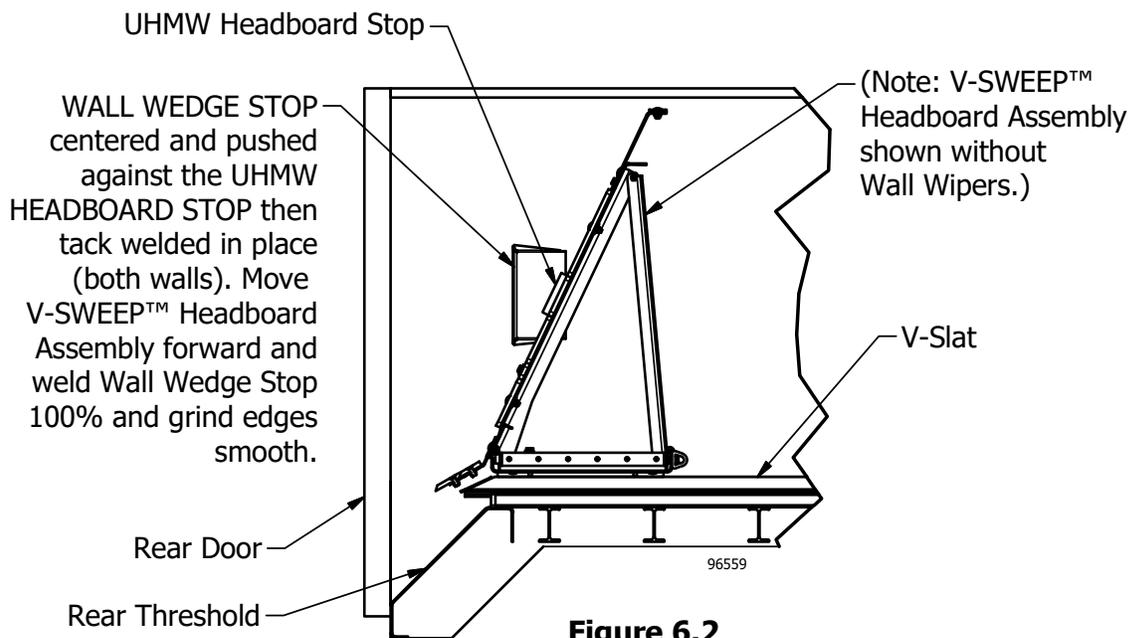


Figure 6.2

Step 7: (Figure 7.1) Tarp Adjustment: Spread floor tarp out evenly across trailer floor and up both walls. Starting in the middle of the trailer, place a weight on the floor tarp in the center floor trough ("V"). Place weights in each "V", continuing from the center of the tarp out in both directions to the outside trough on both sides. This will form the tarp to the floor shape. With weights still in the "V" troughs, cut floor tarp 2" [50mm] above where the 20 degree side seal angle meets the trailer wall. Cut from the rubber wall wiper to the rear of the floor tarp. When finished, floor tarp will extend 2" [50mm] up the vertical wall on both sides of the trailer. Next, cut exposed tarp vertically 1" [25mm] behind the edge of wall wiper. **Do not cut the remaining tarp material behind the wings!!** Remove weights and floor tarp is ready for use.

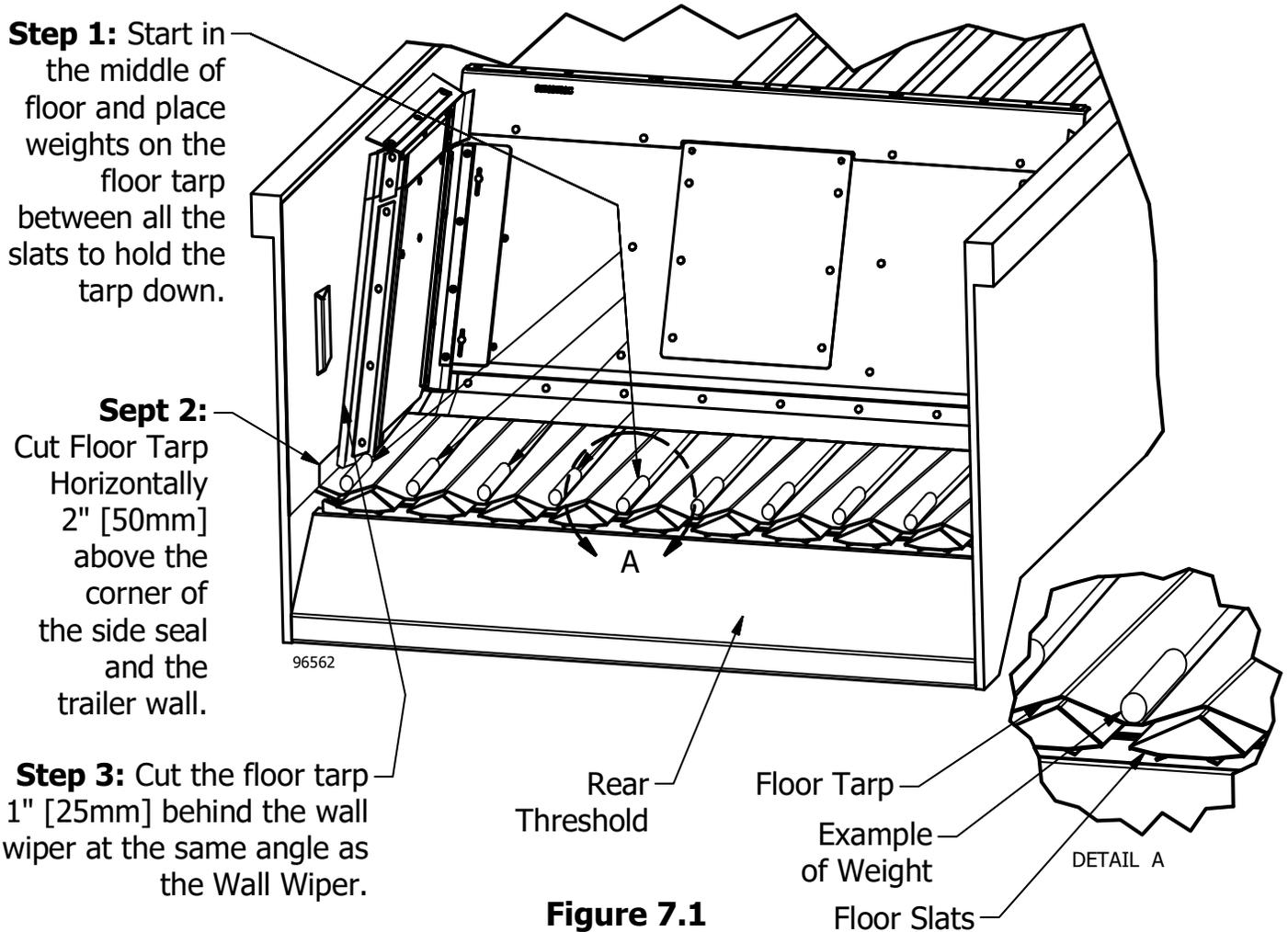
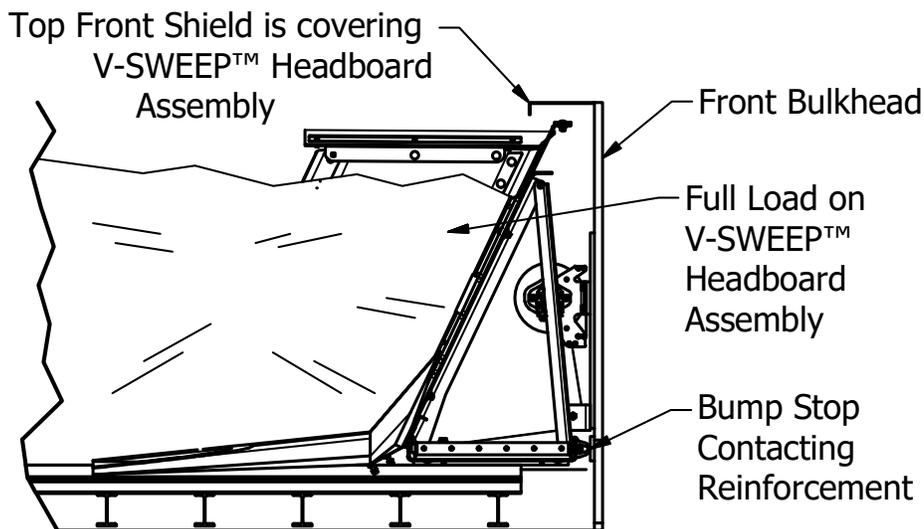
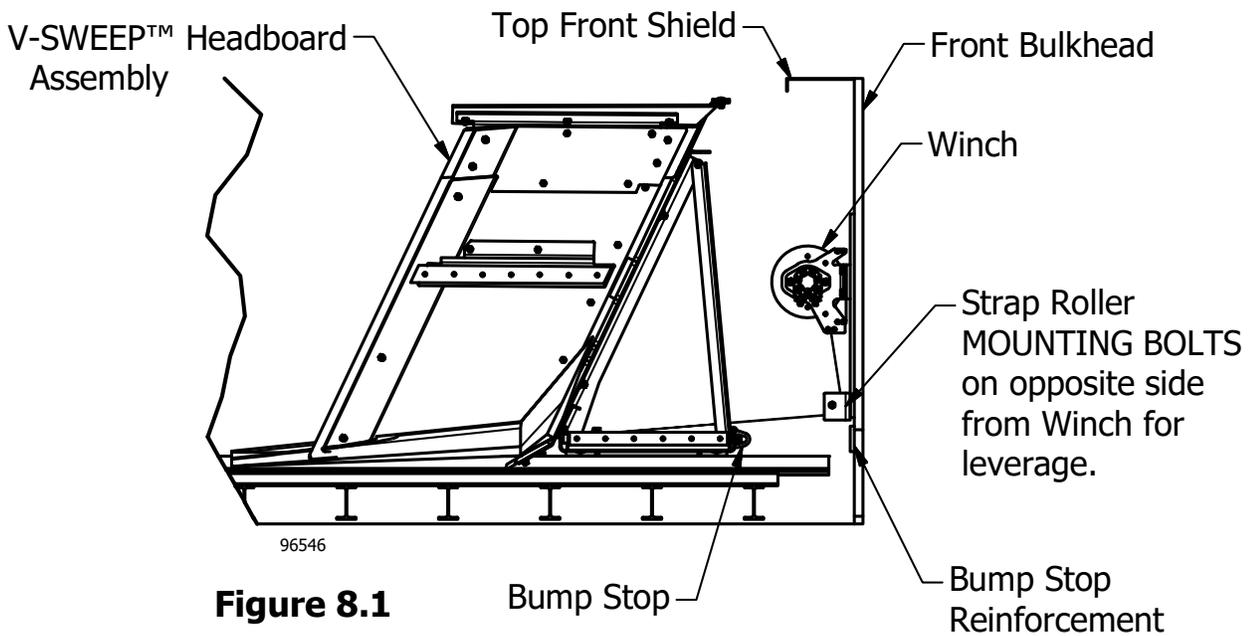


Figure 7.1

STEP 8: (Figure 8.1 & Figure 8.2) Top Front Shield: When the V-SWEEP™ headboard assembly is retracted to the front of the trailer, it should stop in a position so that no material can fall behind the V-SWEEP™ headboard assembly during loading of the trailer, but still allows material to be loaded onto the V-SWEEP™ Floor Tarp and slope plate.



STEP 9: Final test: Have two or three people stand on floor tarp and start the floor in the discharge mode. Continue to walk the V-SWEEP™ headboard assembly to rear of trailer. If V-SWEEP™ headboard assembly moves freely to the rear, then you know that it will also work when the trailer is fully loaded.