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***SCHWEISS SNOW  
BLOWER  
OWNER'S MANUAL***

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## **LIMITED WARRANTY**

The Schweiss by B & H Manufacturing snow blower is guaranteed against manufacturing defects in material and workmanship for ONE SEASON after purchase. The gearbox is guaranteed for twelve months; the gearbox must be returned to the factory for warranty consideration. The PTO is guaranteed against manufacturing defects for ONE SEASON, excluding knuckles and cross kits. All gear box and PTO warranty claims will be submitted to the manufacturer of the respective part for a determination of claim. Warranty work must be done at the factory or an authorized dealer for B & H Manufacturing. Warranty cards must be filled out and returned to B & H Manufacturing.

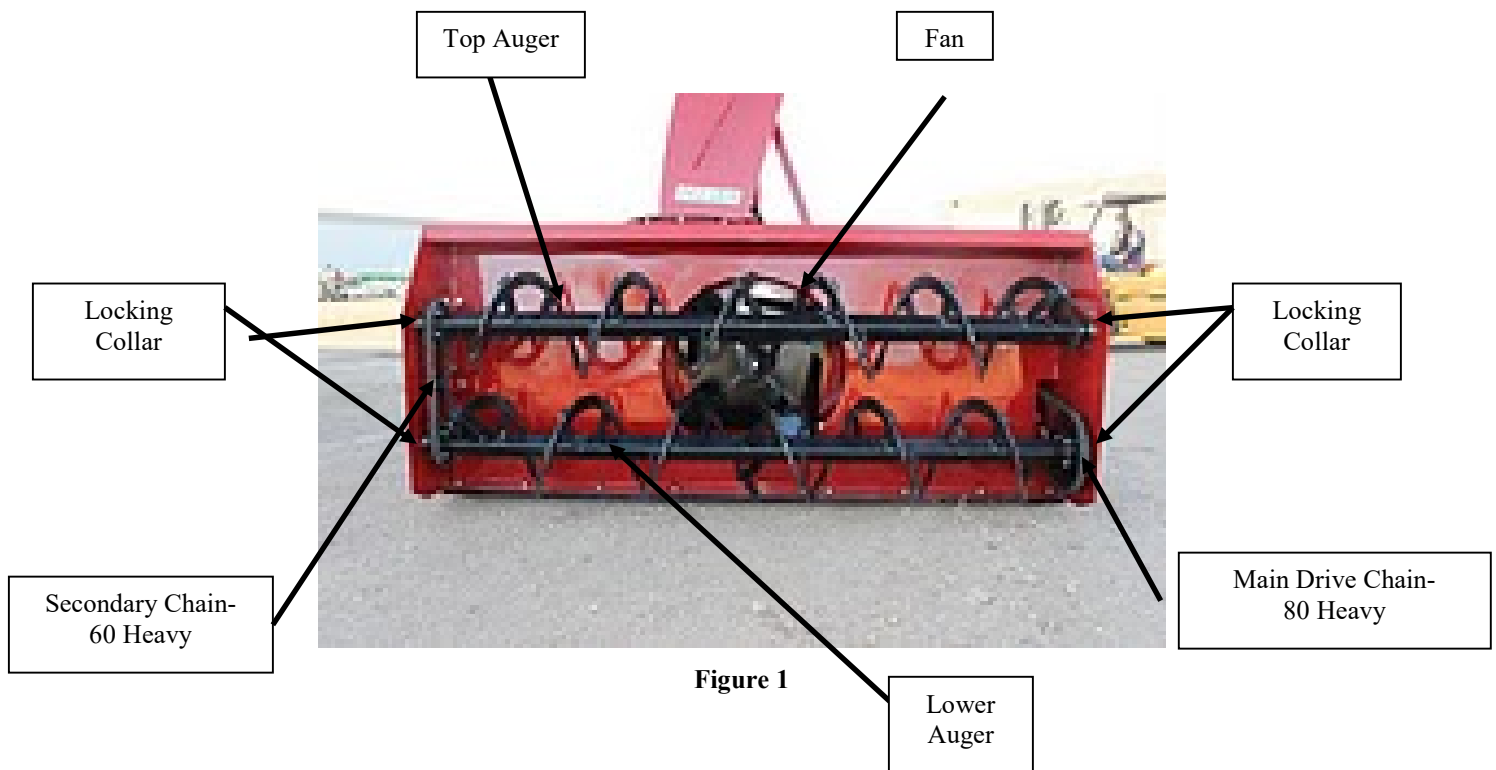
## **SAFETY INSTRUCTIONS**

Snow blowers can be extremely dangerous to operate. Make sure the proper precautions are taken when in use.

FOR YOUR OWN SAFETY AND FOR THE SAFETY OF THOSE AROUND YOU, PLEASE USE ALL SAFETY PRECAUTIONS WHEN OPERATING THIS MACHINE.

1. READ THE INSTRUCTION MANUAL CAREFULLY. BE FAMILIAR WITH THE PROPER USE OF THE EQUIPMENT.
2. Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
3. Keep the area of operation clear of all persons and animals.
4. Inspect the area where equipment will be used and remove all foreign objects.
5. Disengage power before leaving the tractor. Never attempt to do service work or repairs with the equipment running.
6. Wear proper clothing and eye protection while operating the tractor and blower. Keep clothing away from power drive shafts, chains, augers, and all moving parts.
7. Keep a safe zone in front of the augers when in operation. Objects or obstructions may actually be closer than they appear from the tractor.
8. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
9. NEVER STAND CLOSE TO THE AUGERS WHEN ROTATING.
10. Exercise extreme caution when operating on or crossing roadways. Stay alert for hidden hazards or traffic.
11. When inspecting, repairing, or cleaning blower, make sure all moving parts are stopped.

12. Do not attempt to clear steep slopes.
13. Do not overload the blower capacity by attempting to clear snow at too fast of a rate.
14. Keep all shields in place and in working order.
15. Inspect machine before and after machine is used. Replace worn or damaged parts as needed.
16. Never direct discharge at bystanders, vehicles, or buildings. Keep bystanders away from front, back, and sides of machine when in operation.
17. Never operate the snow blower without good visibility or lights for nighttime use. In the event of a whiteout condition caused by blower, stop the moving tractor and disengage the blower.



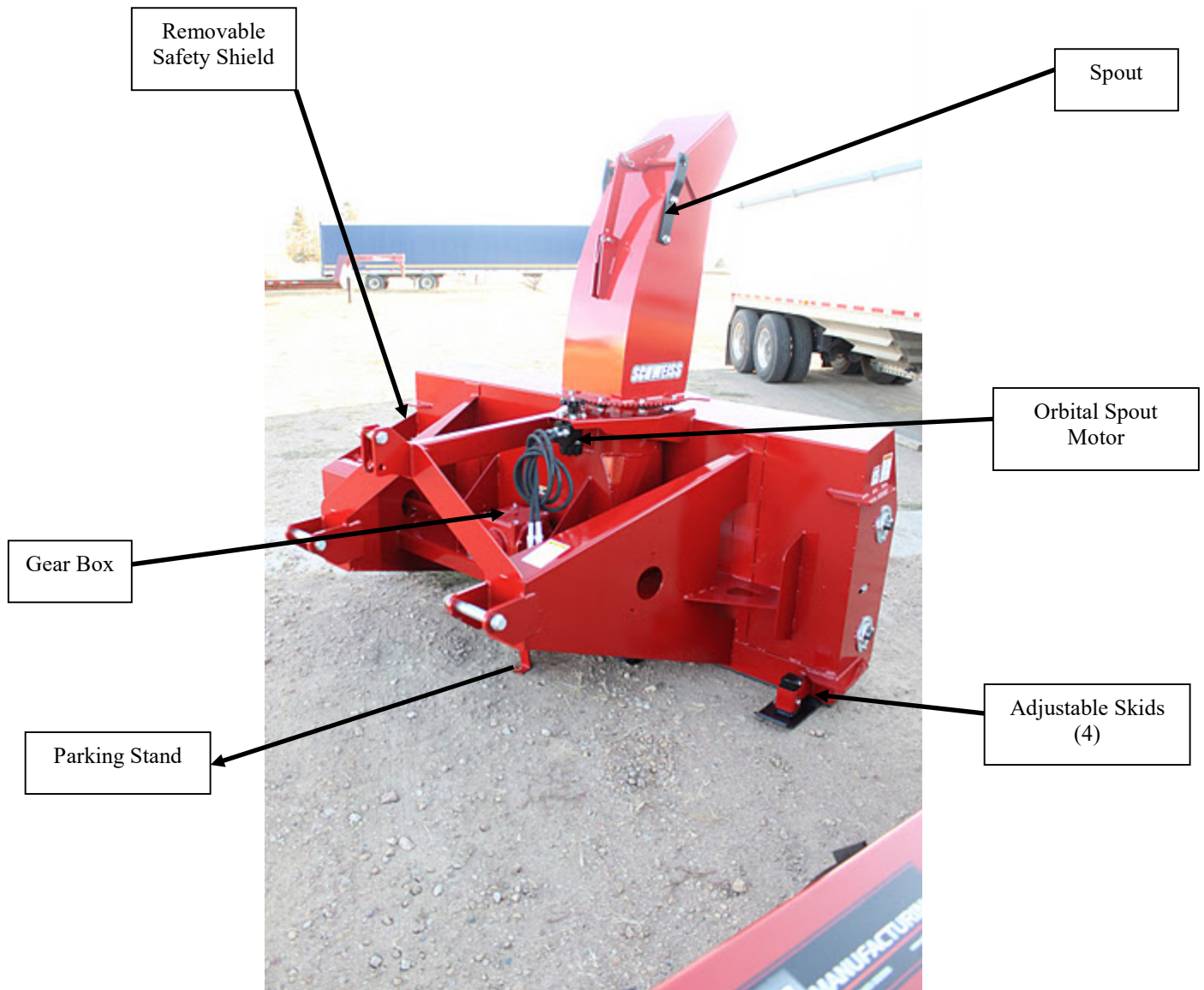


Figure 2

## **SET UP INSTRUCTIONS**

For your convenience your Schweiss by B & H snow blower was shipped assembled. The only hook up may be the PTO to the gearbox shaft.

1. Place the PTO on the gearbox shaft. Apply grease or anti-seize first. Slide PTO on until pinch bolt holes line up with groove in gearbox shaft. Tighten pinch bolts. Back tractor up to the snow blower and hook up to the 3-point hitch.
2. Holding push button in, slide PTO onto spline of tractor and release push button.

3. If PTO is too long remove PTO from tractor spline and gearbox, slide apart. Shorten the inner and outer guard tubes equally. Shorten inner and outer profiles by the same length as the guard tubes. Round off all sharp edges and remove burrs. Grease sliding profiles and slide back together. (See length adjustment photo, page 10.)
4. Lift snow blower and raise parking stand to the left until stand locks horizontally into place.
5. When unhooking from tractor hold push button in and slide PTO off of the tractor spline. Be sure to lower parking stand before unhooking from the tractor 3-point.

## **MACHINE CHECK LIST**

1. Check that the gearbox is full of oil by removing the check plug with a 5/16" Allen wrench on the side of the gearbox, oil should be up to the check plug. To add oil, remove the fill plug located on the top surface of the gearbox. (See page 7.)  
(See Machine Maintenance for oil weight.)
2. Check that spout is not frozen and moves freely when orbital motor is engaged.
3. Be sure augers are not digging into the ground.
4. Check that sprockets line up.
5. Check that sprockets are tight and in place.
6. Check that drive chain to the auger is tight.
7. All shields are on and in good condition.
8. After every hour of blowing, check lubrication of chain and PTO.

## **MACHINE OPERATION**

1. Set the spout deflector to the desired setting. All machines come with a manual setting arm for setting the loft of snow throw. (Can be converted to a hydraulic cylinder.)
2. Engage orbital motor spout making sure spout is not frozen and is free of obstruction.
3. Idle tractor when engaging PTO. Let machine cycle for 3-5 minutes before putting blower under snow load to allow gear oil to warm up.
4. Before blowing snow, make sure the spout, fan, and augers turn freely and are not frozen.
5. The slower the reverse speed of the tractor, the better the snow blower will do. Ideally a reverse speed of 1/2-3/4 mile per hour is best.
6. DO NOT EXCEED approx. 3/4 throttle or the result may be damage to the gearbox.
7. CHECK THE PTO: If the PTO extends more than 8" when hooked up, a longer PTO may be needed or the quick hitch must be removed. When the tractor is hooked to the snow blower on the ground, mark the slide cover of the PTO. Lift the blower off the ground 1-1 1/2". Measure to see how much the PTO slides together. If it slides 1/4" or less it is all right to lift at most any time. DO NOT LIFT UNDER SNOW LOAD. If it moves 1/4" – 2 1/2" then, when you are under full load of snow, push the clutch in before

lifting. You cannot be moving when you lift the blower. If you do, the PTO will bind, and could cause damage to the front knuckle of the PTO shaft or to the gearbox.

8. Set the snow blower on the ground and level with the use of the third arm to the 3-point hitch so that the PTO knuckles are straight and the augers are not digging into the ground. Under soft conditions, tilt the snow blower back toward the tractor. This will keep the bottom edge of the blower from digging into ground. With hard-packed snow conditions, you may want to tilt the blower away from the tractor, giving a more aggressive cutting action.

9. **DO NOT LIFT BLOWER UNDER SNOW LOAD ALLOW AUGERS AND FAN TO BE FREE OF SNOW.** The lifting action along with the pushing and twisting could place strain on the PTO. Results could be damage to the gearbox and/or the PTO knuckles.

## **MACHINE MAINTENANCE**

### **BEFORE STARTING ANY MAINTENANCE, OBSERVE ALL SAFETY PRECAUTIONS.**

1. Lubricate chains EVERY HOUR with a good grade chain lubricant when in use.
2. Lubricate telescoping shaft of PTO EVERY 8 HOURS when in use with a winter grade of grease.
3. Use SAE 80W-90 gear oil in the gearbox. To check oil level, remove the check plug on the side of the gearbox with a 5/16" allen wrench. Oil level should be even with or just below the plug. To add oil, remove the vent plug located on the top of the gearbox, leaving the check plug off to see when gearbox is full of oil. When gearbox is full, replace both plugs into gearbox.
4. A shear bolt is located at the drive shaft to the augers, located at the back of the blower. (See photo below.) There are two holes on the drive shaft but only ONE SHEAR BOLT is to be used. Use a 3/8" x 1 1/4" grade 2 bolt with a 3/8" flange nut.
5. There is one grease zerk located on the drive shaft coupler. (See photo below.) The drive shaft should be greased after every HOUR of use.
6. Inspect chain tighteners for uneven wear. Replace or adjust as needed.
  - i. Keep drive chain to bottom auger and chain to the top auger tight.
  - ii. Check the four locking collars on ends of augers for tightness. Check the one locking collar at the end of the drive shaft for tightness.
  - iii. After blowing snow, run the blower for 3-5 minutes to prevent the fan from freezing up.

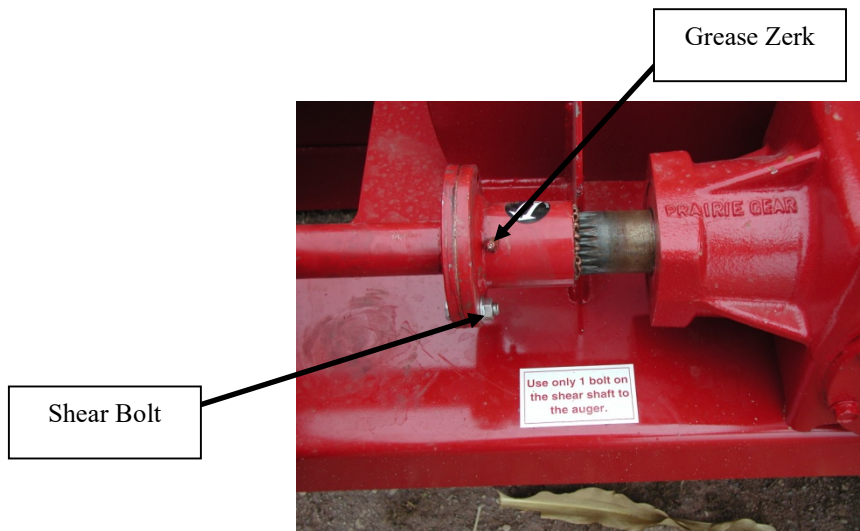


Figure 3

## PARTS LOCATION PICTURES

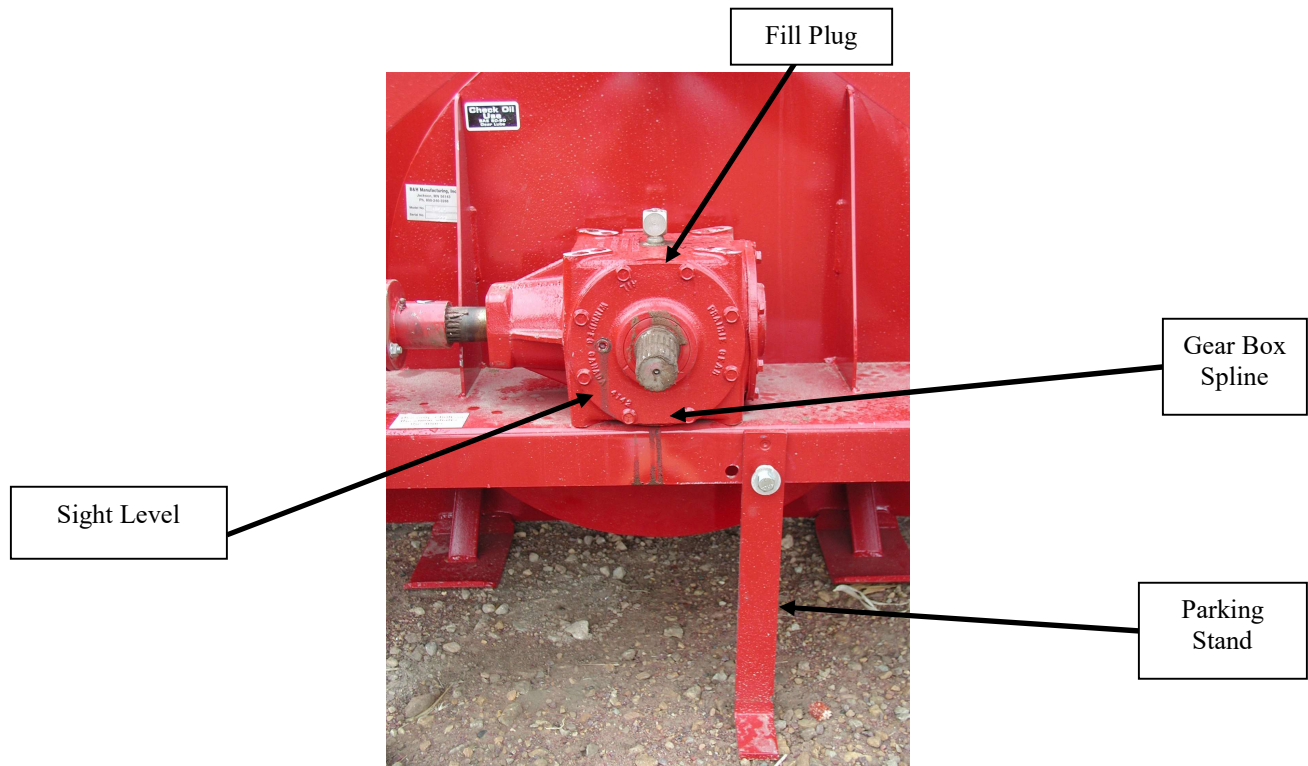


Figure 4

**540 RPM Gear Box**



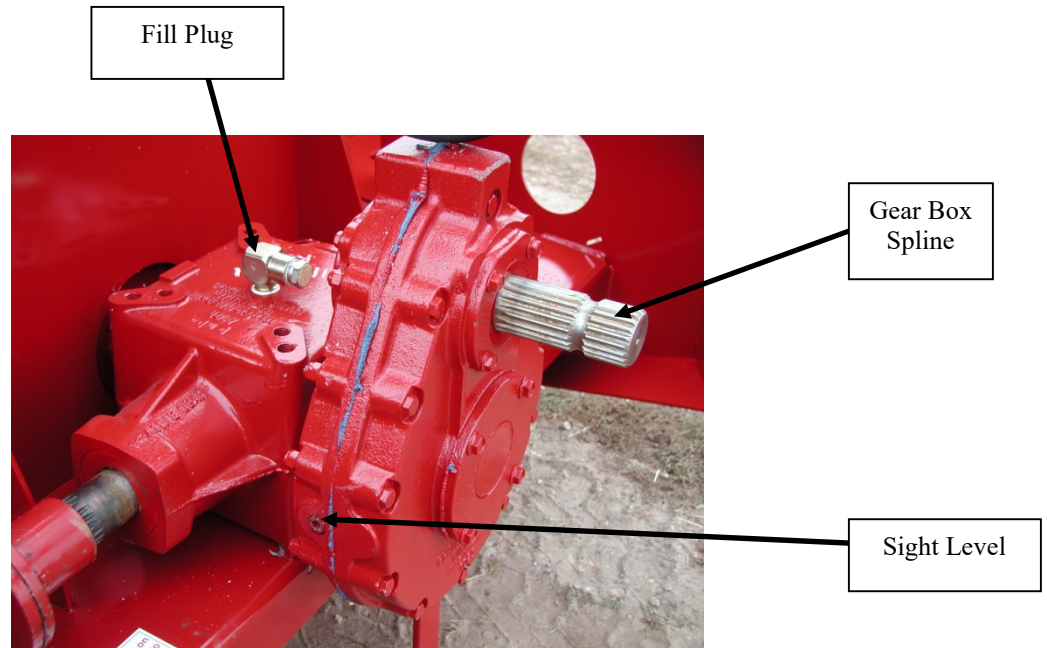


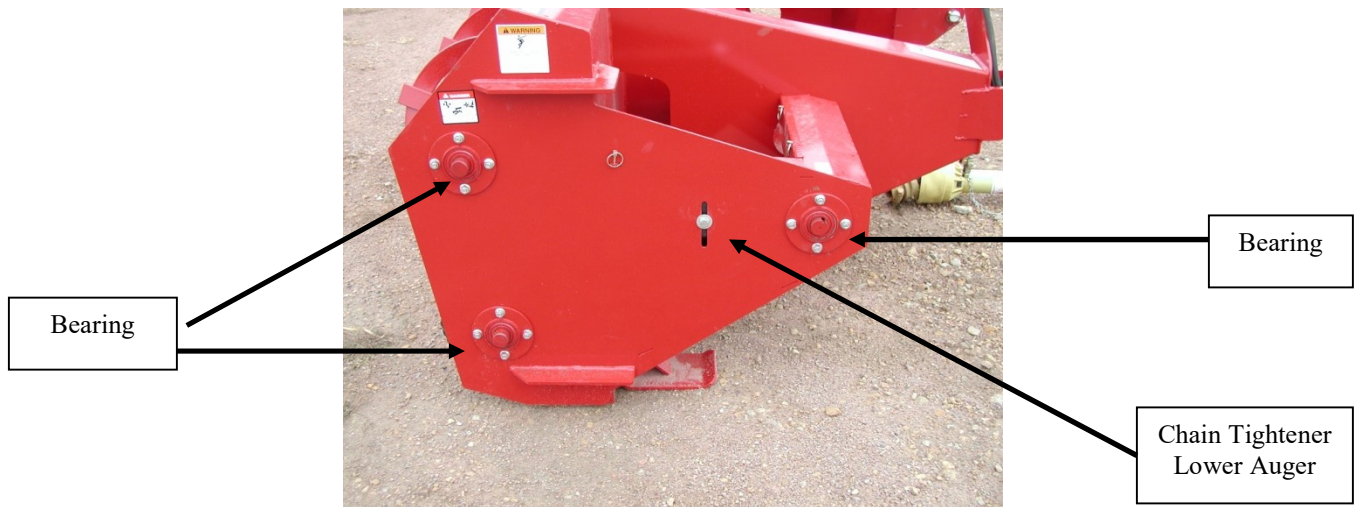
Figure 5

### **1000 RPM GEAR BOX**

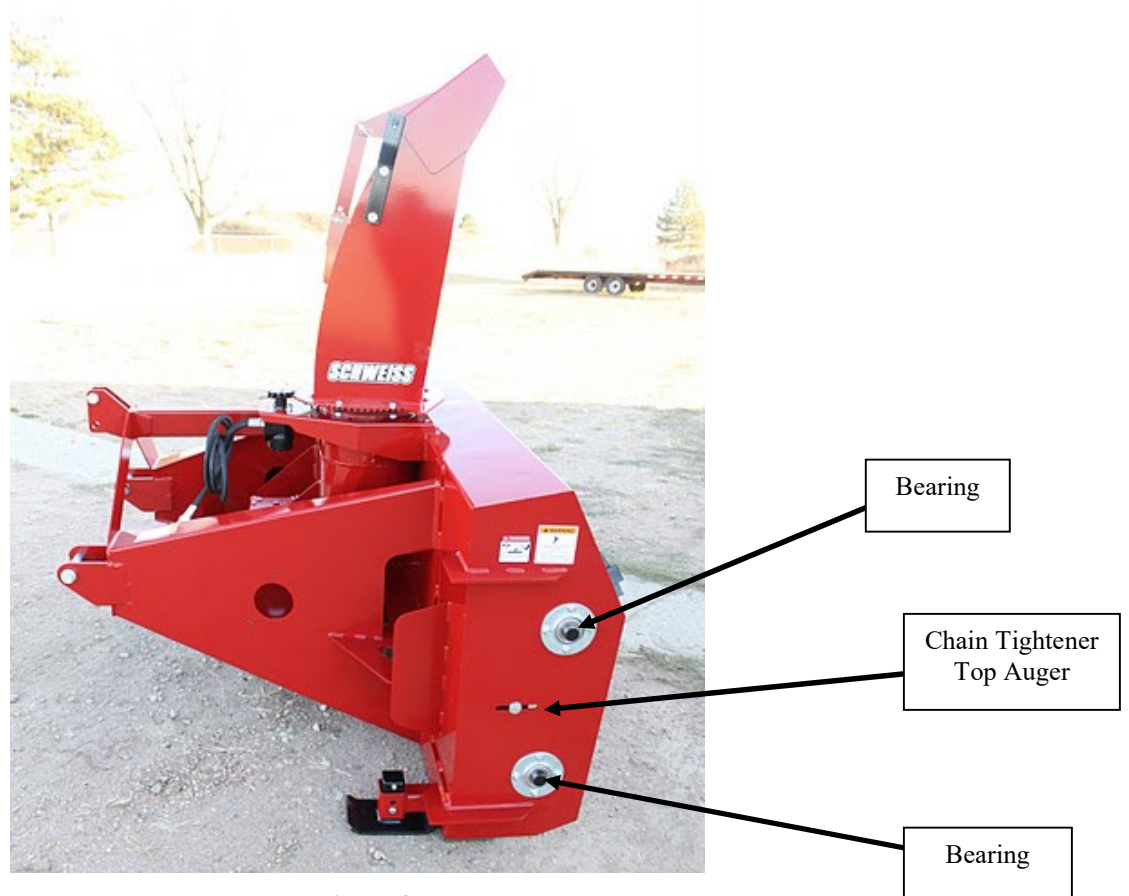


Figure 6

### **Four Adjustable Skids**



**Figure 7**  
**Right Side View**



**Figure 8**  
**Left Side View**



**Figure 9**

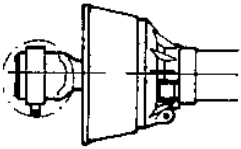
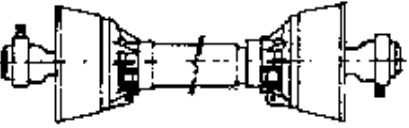
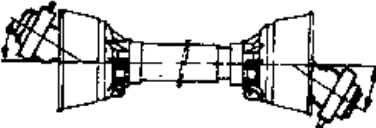
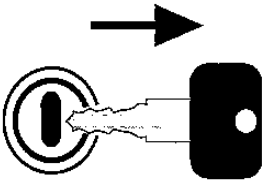
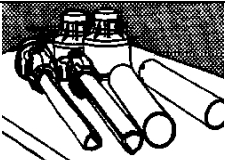
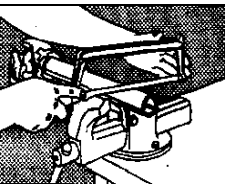
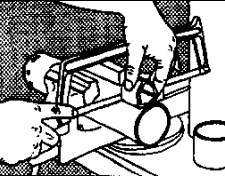
**Hydraulic Orbital Motor**

**With Gear Drive**

**Manual Flipper Adjustment**

**\*Hydraulic Cylinder Optional**

## **PTO Information**

<p>1. <b>How to Mount.</b> Connect the PTO driveline to the tractor PTO. Attach the safety chains to a fixed object to prevent shield from rotating.</p>	
<p>2. <b>Protection.</b> Use the driveline only with the guard in place. Before using, check that all tractor and implement guards and shields are in place. If anything is missing or damaged, repair before using.</p>	
<p>3. <b>Working Angle.</b> The best working conditions are ones with two small and equal angles as shown. The angle should not exceed 35 degrees.</p>	
<p>4. Stop the tractor engine and remove key before approaching implement or performing maintenance work. Contact with the PTO drive shaft can cause serious injuries or death. Do not approach at the driveline when turning. Do not wear loose clothing when working around machinery.</p>	
<p style="text-align: center;"><b>Shortening of Shaft</b></p>	
<p>1. Remove Guard</p>	
<p>2. Cut the shaft and tubes to the right length. Cut an equal amount off each.</p>	
<p>3. Shorten the guard tubes the same amount.</p>	
<p>4. Grease the shaft and tubes and reassemble.</p>	