BEFORE USING YOUR BALER

1. Read the operating instructions carefully.
2. Check all bolts and nuts to be sure they are tight.
3. Check all belts and chains to be sure they are properly aligned and adjusted.
4. Check tire pressures.
5. Lubricate the baler carefully. In general, lubrication every 1,000 bales should be sufficient.
ATTACHING THE PTO BALER TO THE TRACTOR

The 315 Hayliner PTO baler is designed for use with an ASAE standard tractor hitch. It is very important that the hitch point be located exactly as specified because an improperly located hitch point will subject the universal joints of the PTO drive to undue stresses which may result in inefficient baler operation or damage to these parts.

IMPORTANT: Never attach this baler to a 1000 RPM PTO equipped tractor.

When attaching the baler to a tractor, these steps should be followed:

1. Adjust the length of the tractor draw bar so the horizontal distance between the end of the tractor PTO spline and the hitch pin is 14" (356 mm), as shown in Figure 2, and at least 4" (102 mm) past the outside radius of the tractor tire. ASAE further specifies that the distance from the center of the PTO spline to the top of the draw bar should be from 6" to 12" (152-305 mm), 8" (203 mm) is recommended. The top of the rear end of the draw bar should be 13"-17" (330-432 mm) from the ground. On some tractors, a hitch adapter plate must be used to obtain the correct distance, while on others, which are not ASAE standard, it may be necessary to install a PTO conversion kit.

2. Use stop bolts to secure the draw bar in a stationary position directly under the tractor PTO. NEVER ALLOW THE DRAW BAR TO SWING FROM SIDE TO SIDE AND BE SURE THAT IT IS PINNED SO THE HITCH POINT IS DIRECTLY BENEATH THE PTO.

3. Attach the baler tongue to the tractor draw bar with a 3/8" (19 mm) diameter hitch pin. INSTALL A JAM NUT OR A COTTER PIN TO PREVENT THE HITCH PIN FROM BEING LOST.

4. The hitch brackets on the baler tongue can be mounted in either one of four positions as shown in Figure 3. If the tractor draw bar is fairly high, the hitch should be mounted as shown at A, Figure 3. If the tractor draw bar is fairly low, the hitch should be attached as shown at B, Figure 3. Attach as shown at C and D for intermediate positions. Torque hitch bolts to 140 ft. lbs. (190 N·m). This adjustment is provided so the bale chamber can be maintained approximately level when baler is attached to tractors with draw bars of different heights.
PLUNGER BEARING AND KNIFE ADJUSTMENT ON SERIAL NUMBER 573421 AND ABOVE

The plunger bearing and knife adjustment should be checked every 10,000 to 15,000 bales. Adjust clearances as necessary.

Knives must be kept sharp and adjusted for clean cutting and efficient operation.

When properly adjusted, the clearance between the plunger knife, A, and stationary knife, B, Figure 50, should be .010″-030″ (.3 to .8 mm).

Figures 51 and 52 show the plunger removed from the baler. Bearings 2, 3, 6, 7 and 8 are adjustable.

CAUTION: INJURY COULD RESULT FROM BEING PINCHED BETWEEN THE PLUNGER AND BALE CASE. DO NOT HOLD OR OTHERWISE MOVE THE PLUNGER BY GRASPING IN THE KNIFE AREA.
Figure 54 shows the bale case with the plunger removed. Plunger rails 1 and 2 are adjusted with shims. Plunger rails 3, 4, 5 and 6 are adjusted with bolts.

To remove the plunger, disconnect the connecting rod, A, Figure 52, from the crank, C, Figure 54, by removing two cap screws. Slide the plunger rearward out of the bale case.

After the plunger is removed, carefully inspect the bearings for wear, flat spots, missing seals, or roughness when turning. Replace as necessary.

The plunger guide rails in the bale case should be inspected for wear, which is indicated by grooves worn by the bearings. Replace as necessary. If a rail must be replaced, and it was shimmed, be sure to install the shims in their original location to assure the rail is straight.