

QUICK START GUIDE



TX31 Mini Round Baler with Twine Wrap

IMPORTANT

READ

BEFORE

FIRST USE

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TX31 Mini Round Baler with Twine Wrap

STARTUP ESSENTIALS

- **Please be sure to review the owner's manual** for full details on how to properly and safely operate the machine. Some of the questions you have will likely be answered in the owner's manual.
- **It is extremely important** to understand that the twine arm must be "reset" before you begin baling hay for the day. The manual details how to reset the twine arm, and we also have an instructional video: <https://youtu.be/6xAmo87-eXU>
- **SPEED MATTERS! Do not run the baler at too slow a speed.** The baler should be run at 540 RPM at the PTO and not any slower. Your tractor's engine speed is not the same as your PTO speed, but it is directly linked to it. Consult your tractor's manual if you are unsure how to achieve 540 RPM at the PTO. Multiple problems can be traced back to running the baler at too slow a speed. There is no need to "go easy on it". The baler is built assuming that the user will run it that fast. Also, **drive the tractor forward at as quick a forward speed as possible** without the hay bunching up. Baling at too slow of a forward speed will result in uneven feeding and cause problems as well.
- **Be sure to get to know and fully test the machine prior to the baling session.** Try cutting, raking, and baling a small section of your field as practice, when there is no pressure to get the hay crop in before a storm. This is important because the machine is new to you, and it will take some time to become accustomed to how it operates. If your first use is during a live baling session and you run into problems, you risk losing a good hay crop as the cut hay is left in the field longer than desirable or is rained on.
- **Not all twine works well in this baler.** Some twines are too thin, too thick, or too slippery. Use the twine supplied with your machine, or another twine approved by your Ibx Equipment dealer.
- All information in the manual is important, but be sure to review the section on "Recommendations for Good Results". Some things are not intuitive. This section can help you be as successful as possible and may prevent the need to call your dealer for support.
- **Spare shear bolts** are located on the left side of the machine inside the front door (left and right are as if sitting on the tractor facing forward). The bolt is installed on the machine on the front-most sprocket. It will shear if excess strain is placed on the

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machine to protect it. It is not normal to shear multiple bolts during normal use. If this happens, contact your Ibx Equipment dealer for assistance.

- PTO shafts are supplied at a standard length that is enough to fit tractors of all sizes, so your shaft may need to be cut to length. See the included PTO Shaft Cutting Guide for further details.
- The machine comes with a 9V battery that powers the bale chamber full alarm. The battery is inside a battery box that is enclosed in a grey outer weather-proofing box as shown in Figure 1. The battery box has a switch that is **turned off by default**. Before using the machine, be sure to open the grey box, turn on the switch, and test that the horn is getting power. You can do this by depressing the sensor switch shown in Figure 2 below.

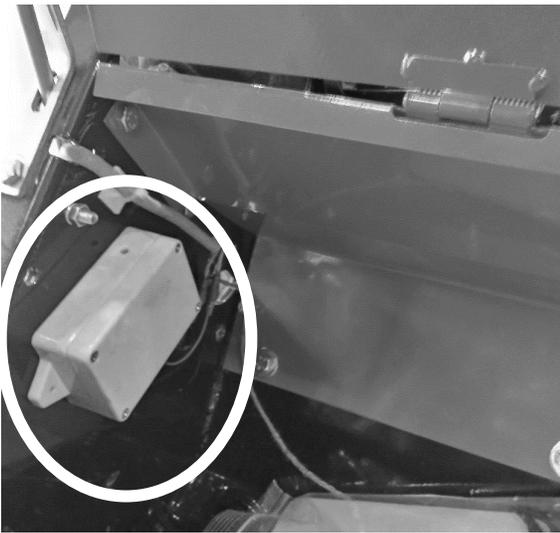


Figure 1

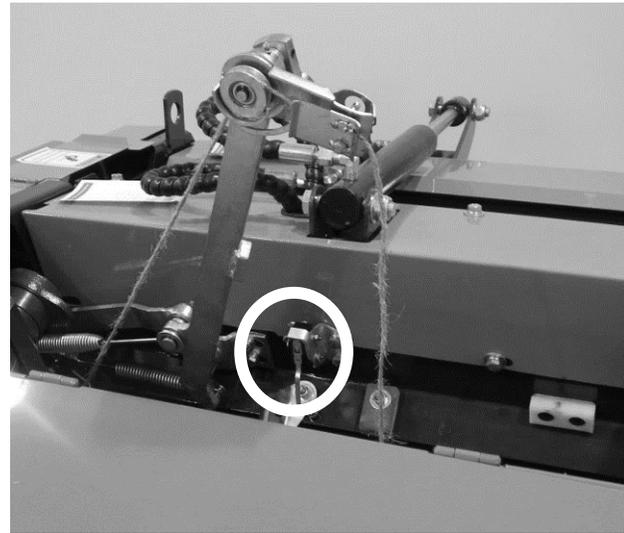


Figure 2

- **Avoid using water to clean the baler.** Keep the baler sheltered from water at all times. Water can wreak havoc on metal, especially over time. Instead, use compressed air to blow out any loose debris, and use a broom or brush to brush away any debris that remains. The more protected the baler is in storage, the longer it will last and the better it will perform.
- When raking, create a windrow that is not too large and not too small for the baler. The optimal windrow will have a width of 28-32 inches and a height of 12-16 inches. The more uniform the windrows, the smoother the operation will be and the more consistent the bale weights will be.

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ASSEMBLY TIPS

- The top part of the metal shipping frame is easily removed to facilitate assembly by removing the four mounting bolts at the base.
- Wheel installation:
 - Lift the baler from the pallet

Option 1:

Lift the baler from above using a loader or forklift with suitable capacity. Use the two lift hooks on top of the baler (see Figure 3). The baler weighs about 900 lbs.

Option 2:

If an appropriate lift is not available, the baler can be freed from the pallet by mounting it to the tractor's 3-point hitch and lifting it. However, the baler's 3-point pins must be freed from the shipping frame's mounting brackets first. To do this, the baler must be lifted from the front. This can be accomplished by connecting a strap or chain to the top link 3-point pin on the baler and lifting it with the tractor's loader, an engine hoist, or a similar tool. Once the baler is lifted in front, the caster wheel stand can be installed, releasing the lower 3 point pins from the frame and allowing you to remove the lift strap or chain from the top link pin. At this point, hook the tractor up to the 3 point hitch and lift the baler from the pallet.

- Install the wheels as shown in Figure 4 using the included hardware. This hardware is either in the twine chamber or in a separate small parts bag, and includes a bolt, washer, and nut for each side.
- Note that the wheel shafts have two holes each. Either hole can be used. Using the hole closest to the tire will place the wheels in a more compact stance to fit in tighter spaces. The other hole will place the wheels at a wider stance which can be useful if the baler will be used on steep slopes.
- Each wheel has two dust cover caps. Be sure these are secure. A drop of medium strength thread locker is suggested to keep them from coming off easily.

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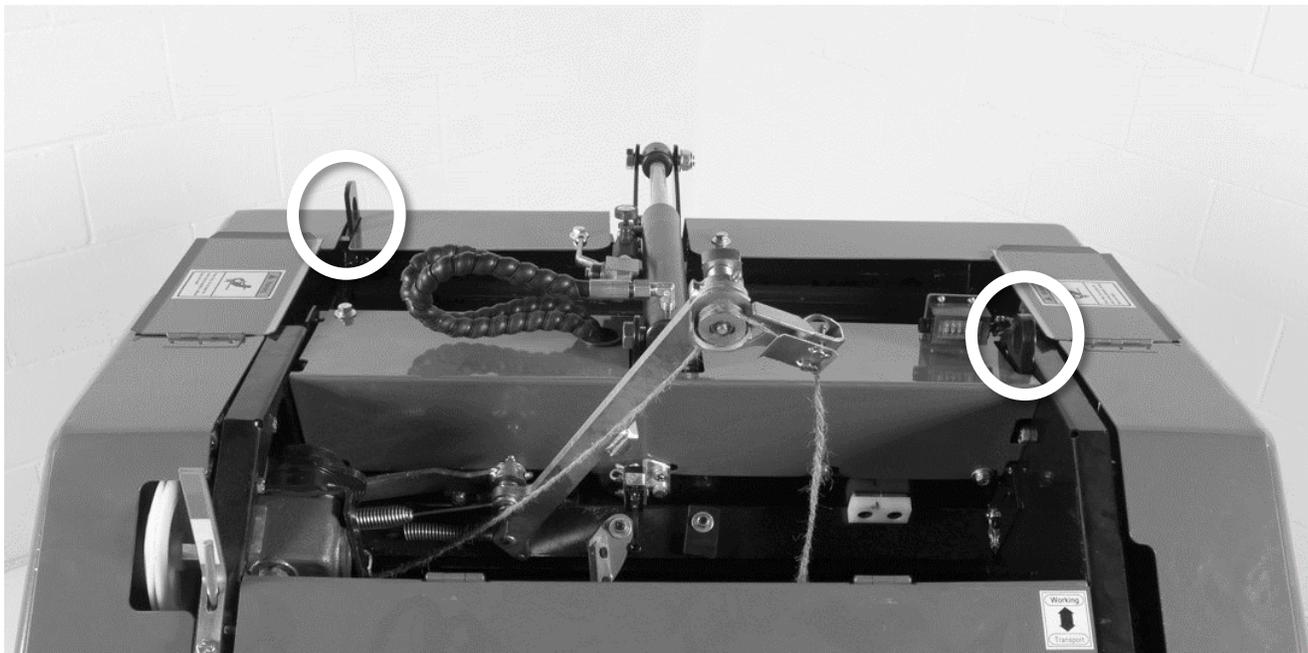


Figure 3 – lift hook locations



Figure 4

- Remember to oil all chains before using the machine, including the pickup chain which is on the lower part of the machine on the left side, obscured by a metal cover.