

# QUICK START GUIDE

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TM40 3X3 Round Baler with Twine Wrap

# IMPORTANT

# READ

# BEFORE

# FIRST USE

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## TM40 3x3 Round Baler with Twine Wrap

### ASSEMBLY TIPS

- Remove the top part of the metal shipping frame by first removing the four mounting bolts at the base, then lifting it above the baler.
- The wheels are inside of the baler's chamber. To remove the wheels you must open the rear tailgate, which requires rotation of the PTO, but the shear bolt must be removed first. This can be accomplished with the following steps:
  - Remove the shear bolt & nut (see Figure 1, left side of baler inside cover) and set them aside.

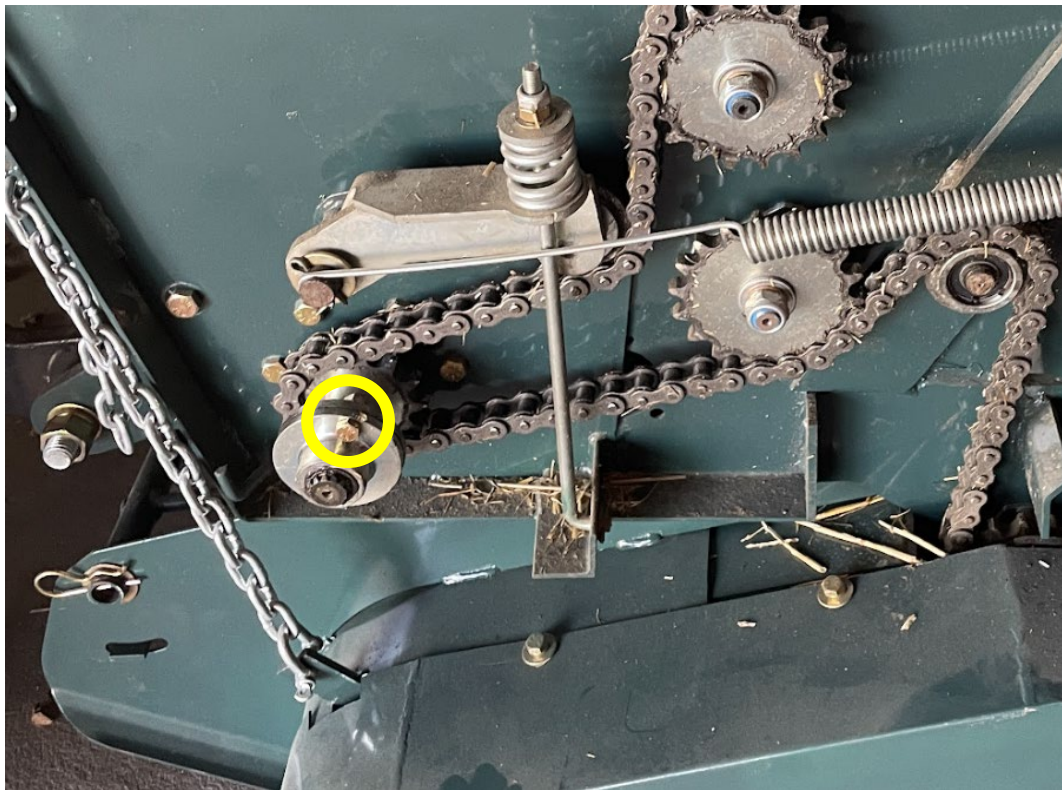


Figure 1

- Back the tractor up to the front of the baler and attach the PTO shaft to the tractor and baler. You will not connect the 3 point hitch at this time, only the PTO shaft.

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- Turn on the power switch for the remote tailgate release battery (see Figure 2).



Figure 2

- Turn on the tractor and turn on the PTO.
- Make sure that any obstructions are cleared from behind the baler and press the “A” button on the tailgate release remote (see Figure 3).



Figure 3

- The tailgate will open, allowing the wheels to fall out. If the wheels do not fall out completely, remove them using a tool instead of your hands.

*WARNING: Do not place any body parts inside of the bale chamber when removing the wheels. Hydraulic systems can fail and harm or death may occur.*

- Press the “A” button on the remote again to close the tailgate, turn the power off to the battery, turn off the PTO, and turn off the tractor. Re-install the shear bolt on the baler. If the holes are not lined up you can disconnect the PTO shaft from the tractor and rotate the shaft by hand until the holes line up.

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- 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 4) along with the top link connection. The baler weighs about 1,600 lbs.

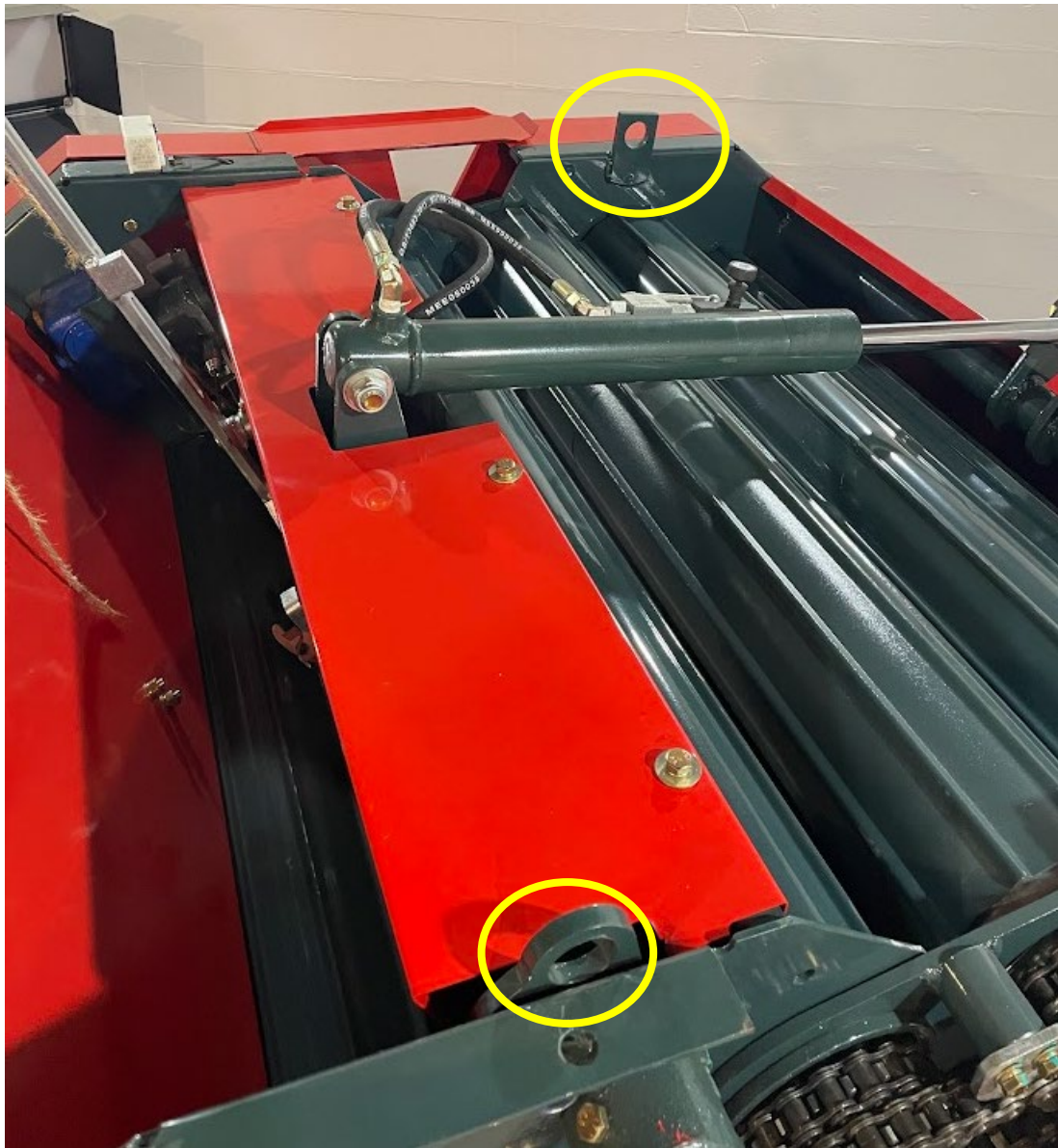


Figure 4



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## 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 (see Figure 5).



Figure 5

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Once the baler is lifted in front, install the caster wheel stand and place a 2x4 or other solid item with the same thickness under the location the stand will sit. Carefully lower the front of the baler until the stand sits on the block of wood and remove the lift strap from the top link pin. There should be sufficient space below the 3 point pins to fit your tractor's lift arms (see Figure 6).



*Figure 6*

Hook the tractor up to the baler's 3 point hitch and lift the baler from the pallet.

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- Insert each wheel shaft in the rear of the two holes, as shown in Figure 7. Use the included bolt, washer, and nut to secure it in place. This hardware is found in the twine chamber in a bag that includes additional shear bolts and some other hardware.



*Figure 7*

- 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 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.
- 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.



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## 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 Ibex Equipment dealer.
- **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 machine to protect it. It is not normal to shear multiple bolts during normal use. If this happens, contact your Ibex 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.
- **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



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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 34-38 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.