

# QUICK START GUIDE

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TS52 Power Harrow

# IMPORTANT

# READ

# BEFORE

# FIRST USE

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## TS52 Power Harrow

### ASSEMBLY TIPS

- The 3-point hitch frame must be installed before use. Insert the ends of the frame between the mounting plates as shown in the pictures below. It is a very tight fit, and occasionally some force may be required to pry the edges in.



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- Though it may appear that the leveling blade was not included with the machine, it is partially hidden if it ships installed in the rear position, behind the tines. The leveling blade can be detached and reinstalled in front if desired.
- As with any new implement, the shaft that attaches to the tractor may need to be cut to length. Consult the included Ibox Equipment PTO Shaft Cutting Guide.

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## STARTUP ESSENTIALS

- **To avoid repeated shearing of the shear bolt**, make sure to do the following:
  - Run the machine at 540 PTO RPM, no slower and no faster.
  - Rocks of a certain size can become lodged in the upper area of the rotors. If rocks are common in your field, have them removed before use to avoid repeated shear bolt breakage.
  - When working in very tough soil (hard clay, rocky soil, etc.), advance the machine at a slower pace and do not attempt to run the harrow at the deepest tine depth. If a deeper harrowing depth is desired, you may have to make more than one pass with the machine.
  - Always ensure that the upper gearbox and the lower oil chamber are properly lubricated. See below for clarification on the lubrication section of the manual.
  - After each use, clean and inspect the rotors and underside of the machine and check for debris that may have worked its way in between the rotor components, particularly fibrous, stringy materials.

**WARNING:** *DO NOT replace the factory shear bolt with a stronger bolt, or any bolt other than the type sold by your Ibex Equipment dealer for this machine. Doing so will void your warranty and will likely cause expensive, catastrophic damage.*

**WARNING:** *To avoid damage to the machine, always lift it at the 3 point hitch when making turns. Leaving the roller on the ground on turns can damage the roller support arms and cause roller separation. When lifting the machine, be sure to turn off the PTO to avoid damaging the PTO shaft.*

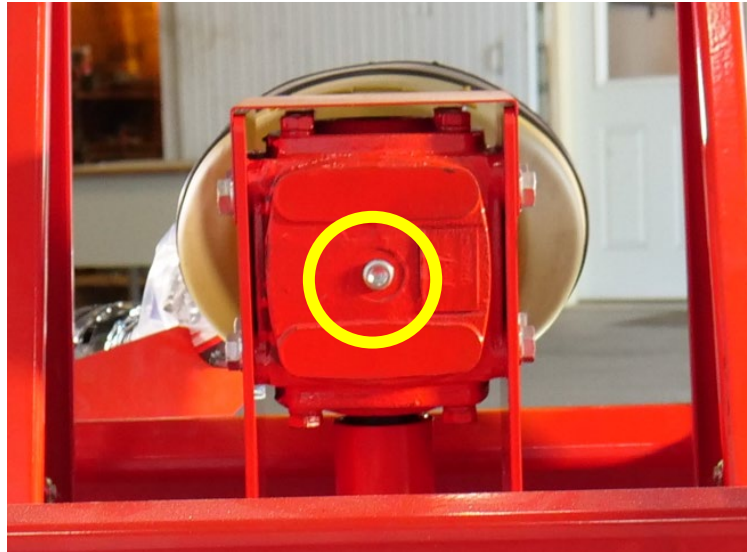
- The lubrication section of the manufacturer's manual needs some clarification. There is gear oil in both the main gearbox and the gear lubrication chamber below. Both only have one plug (not 3 as shown in the diagram). This plug serves as the fill level, fill plug, and drain plug. The oil should be filled up to the bottom of the plug

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when the machine is on level ground. While the manual specifies “OIL SAE 140 EP”, in the USA the appropriate oil is going to be labeled as **85W 140 gear oil**.

Gearbox Plug Location:



Gear Chamber Plug Location:

