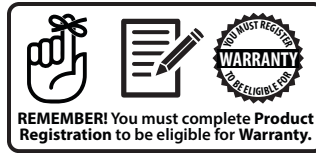


QUICK-START GUIDE*

for TRUGRADE 12 | 14 | 16

* Refer to operators manual for complete safety and operation info.



A Hydraulic Reference

- ① Lift Lift Cylinder
- ② Angle Angle Cylinder
- ③ Tilt Tilt Cylinder
- ④ Rear-Steer Rear-Steer Cylinder

B Set-up Information

- 1) Connect to Tractor Drawbar.

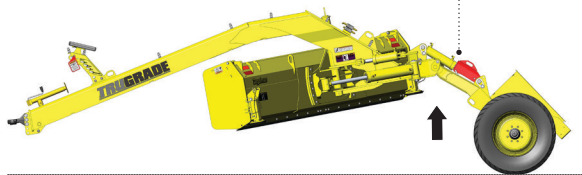
NOTE: Use only a tractor with adequate power to pull the TruGrade under ordinary operating conditions.

TruGrade is rated at **400 HP MAX.**
Ideal horsepower is range: **120 to 400 HP.**

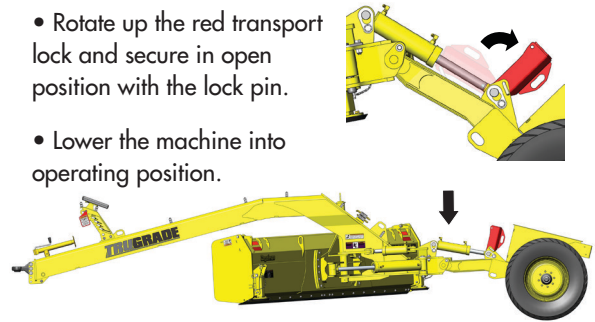
- 2) Place Jack in storage position.
- 3) Connect Hydraulics.
- 4) TruGrade 14 | 16 models in **Narrow Transport Position**, follow procedure below to take out of narrow transport.

⚠ IMPORTANT: Do not use any hydraulic functions while in **Narrow Transport** or damage may occur.

- 5) For all models in **Standard Transport Position**:
 - Fully extend the **Lift Cylinder ①**



- Rotate up the red transport lock and secure in open position with the lock pin.
- Lower the machine into operating position.



- 5) Ensure that the hitch clevis is set at the correct height for the tractor drawbar and trailer height.

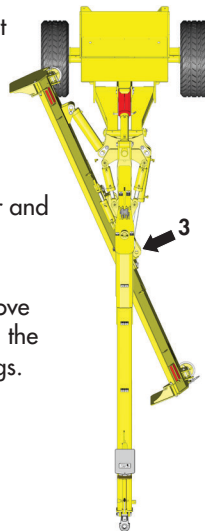
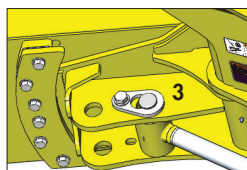
NOTE: The correct height is when the mouldboard is perpendicular to the ground when the cutting edge is on the ground.
- 6) Experience will teach you the most efficient operating speed, but as a rule **3-4 MPH (5-7 km/h)** is a normal operating range.

C Narrow Transport Into Operating Position (TruGrade 14 | 16 models only.)

- 1) To transition from Narrow Transport position to the normal **Operating Position**, begin by driving the TruGrade onto level ground, straight behind the tractor.

- 2) Connect all hydraulics to the tractor and place the **Angle Circuit ②** in float.

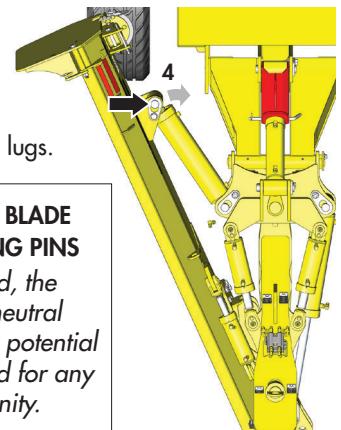
- 3) On the LH side angle cylinder, remove the rod-end cylinder pin and swing the cylinder rearward out of the pin lugs.



- 4) On the RH side angle cylinder, remove the rod-end cylinder pin and swing the cylinder rearward, out of the pin lugs.

⚠ CAUTION: CLEAR BLADE AREA BEFORE REMOVING PINS

As the pins are removed, the blade may swing to a neutral position. Be aware of a potential crushing/impact hazard for any people in the direct vicinity.

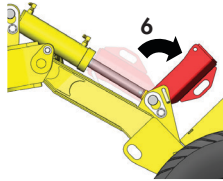


- 5) Continued on next page...

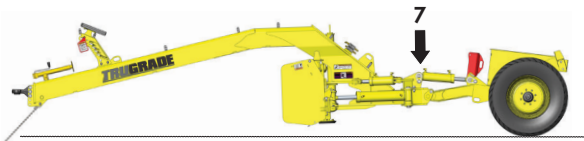
- 5) Manually swing the blade to a neutral position and adjust the **Tilt Cylinder 3** so the blade is level with the ground.



- 6) Fully extend the **Lift Cylinder 1** and rotate up the red transport lock. Secure the lock in the open position using the lock pin.

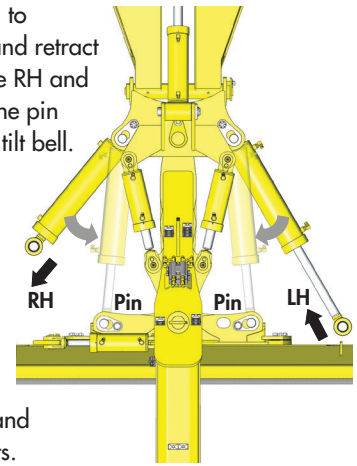


- 7) Lower the machine so the blade is slightly off the ground (1" to 2").



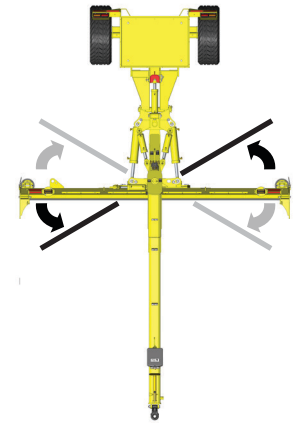
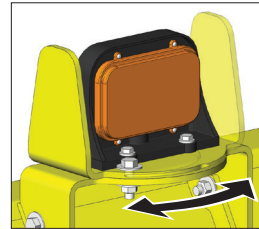
- 8) Use the **Angle Circuit 2** to extend the RH cylinder and retract the LH cylinder. Align the RH and LH cylinder heads with the pin holes on the back of the tilt bell.

Note: Each angle cylinder fitting may need to be cracked to allow for independent movement of the cylinder rods.



Install the cylinder pins and tighten the pin head bolts.

- 9) To remove any air trapped in the angle hydraulic circuit, angle the blade fully to the right and fully to the left 2-3 times.

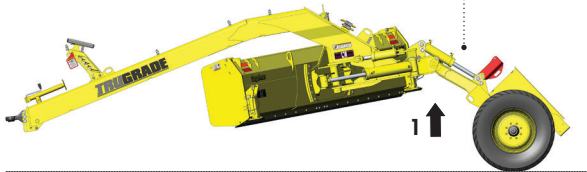


- 10) If applicable, adjust the blade marker lights to be visible from in front and behind the machine.

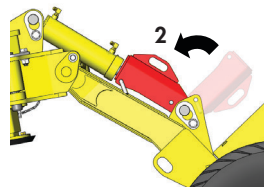
D Moving Into Transport Position

• OPERATING to STANDARD TRANSPORT MODE

- 1) Fully extend the **Lift Cylinder 1**



- 2) Rotate down the red transport lock and secure in place with the lock pin.



- 3) After securing the **Transport Lock** on the lift cylinder, it is advised to put weight on the transport lock by slightly retracting the cylinder.

• OPERATING to NARROW TRANSPORT MODE

(TruGrade 14 | 16 models only.)

NOTE: To place TruGrade 14 | 16 models into **Narrow Transport** position, see instructions in the operators manual.

⚠ IMPORTANT: Do not use any hydraulic functions while in **Narrow Transport** or damage may occur.



Maintenance

(Check Machine Daily)

- Check Hydraulic Connections & Hoses.
- Check Tire Pressure. **65 PSI (448 kPa)**
- Check Hubs & Spindles.
- Check Working Points & Pins.
- Grease Tilt Pad & Tilt Ring.
- Grease Rear Steer & Tilt Cylinder Pins.
- Grease Blade, Rear Steer, & Lift Pivot Pins.
- Grease Hitch Bolt & Wheel Hubs. (50 hrs)

* Refer to operators manual for complete safety and operation info.