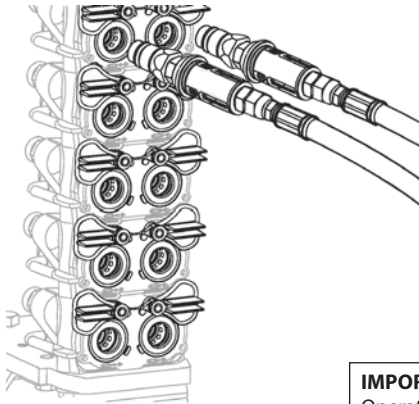


# QUICK-START GUIDE\*

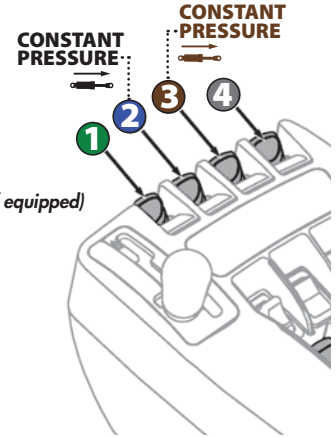
for **HDSR 930-1520**



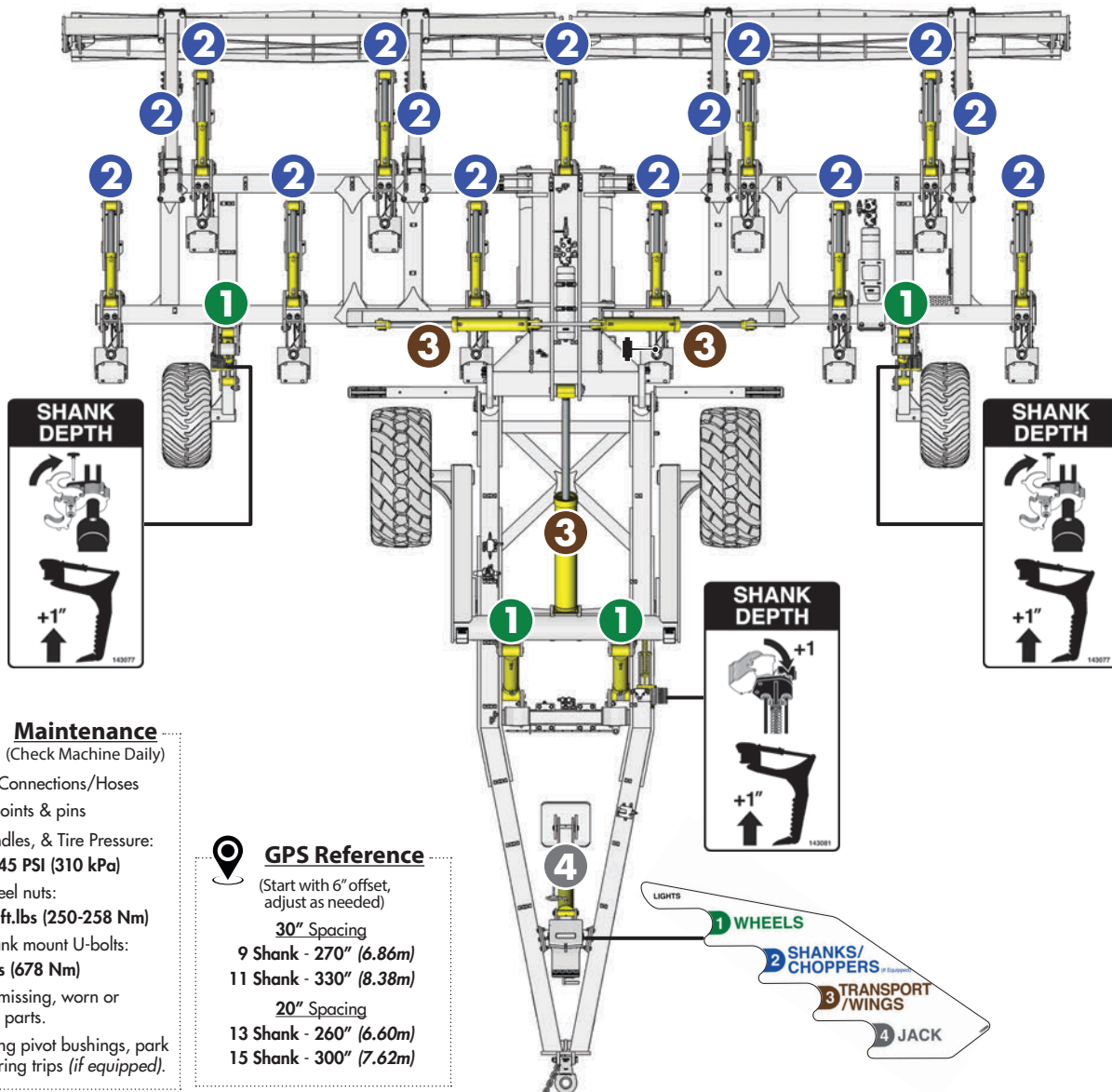
## A Connect Hydraulics



- 1 WHEELS**
- 2 SHANKS/CHOPPERS** (if equipped)
- 3 TRANSPORT/WINGS**
- 4 JACK**



**IMPORTANT:** The Shank Circuit includes a Pressure Reducing Valve. Operator must engage shank circuit hydraulics **constantly** in the extended direction to ensure constant shank pressure. Adjust shank circuit and transport circuit flow down to 20-30% to reduce heat build-up.



### Maintenance

(Check Machine Daily)

- Hydraulic Connections/Hoses
- Working points & pins
- Hubs, Spindles, & Tire Pressure:
  - Wheels: 45 PSI (310 kPa)
- Torque wheel nuts:
  - 185-190 ft.lbs (250-258 Nm)
- Torque shank mount U-bolts:
  - 500 ft.lbs (678 Nm)
- Check for missing, worn or damaged parts.
- Grease wing pivot bushings, park jack & spring trips (if equipped).



### GPS Reference

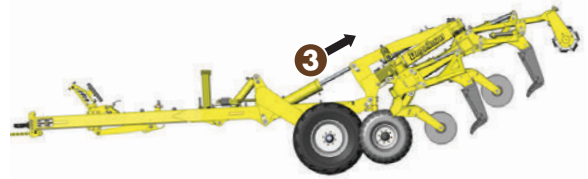
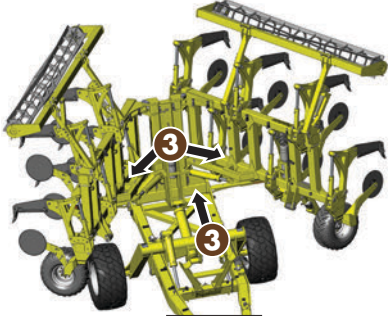
- (Start with 6" offset, adjust as needed)
- 30" Spacing**
  - 9 Shank - 270" (6.86m)
  - 11 Shank - 330" (8.38m)
  - 20" Spacing**
  - 13 Shank - 260" (6.60m)
  - 15 Shank - 300" (7.62m)

## B Convert to Field Position

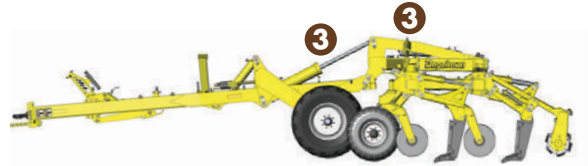
- i) Adjust clevis height for tractor. Machine frame should be level when in lowest transport position.
- ii) Extend wheel cylinders **1** to raise machine.



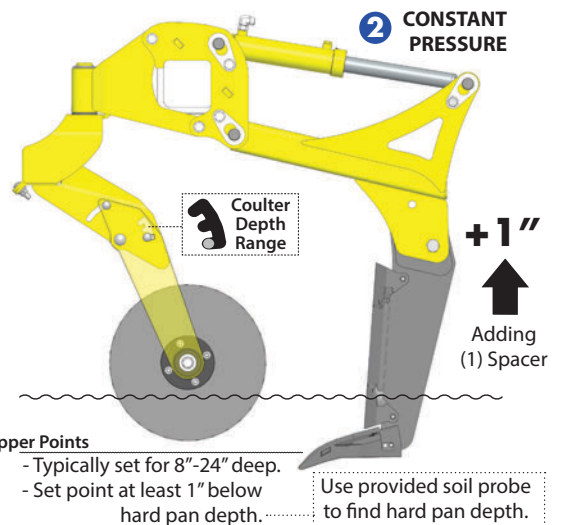
- iii) Extend wing and transport cylinders **3** to unfold.



- iv) For best results, keep machine level. Activate wing remote **3** in **constant pressure** while machine is working in field.

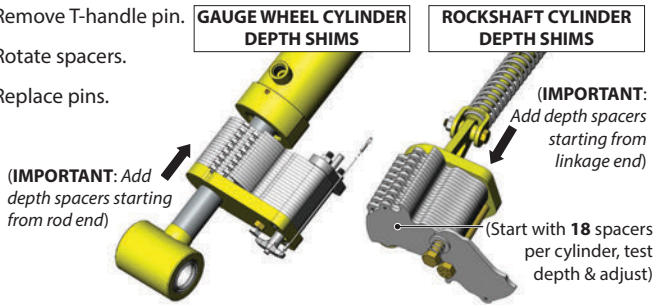


- v) **IMPORTANT:** Ensure Shank circuit **2** is set to **constant pressure** in the extended direction. (If hydraulic shank equipped.)



## C Set Ripping Depth

- ii) Remove T-handle pin.
- iii) Rotate spacers.
- iii) Replace pins.



**Ripper Points**

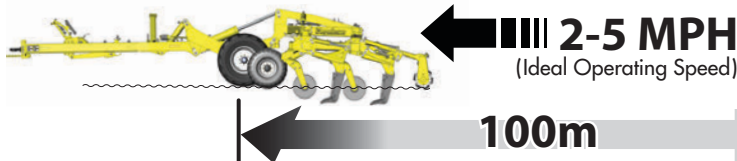
- Typically set for 8"-24" deep.
- Set point at least 1" below hard pan depth.

Use provided soil probe to find hard pan depth.

### Adjust Coulters Depth Based on Expected Ripping Depth

- 18"-24" - Loosen all 3 bolts with provided wrench.
- 12"-17" - Move bolt to notch for expected ripping depth.
- 6"-11" - Re-tighten all 3 bolts. (Repeat for all coulters arms.)

## D Test. Check. Adjust.

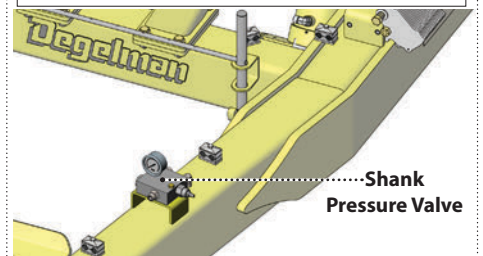


**(NOTE: Ripping faster than 5 MPH increases likelihood of breaking shank shear bolts. Replace with 5/8" GR8 bolts only.)**

### Adjusting Shank Pressure (If hydraulic shank equipped.)

- Turn screw:**
- ↻ Clockwise to increase pressure ↑
  - ↻ Counter-clockwise to decrease pressure ↓

**NOTE: 2100 psi = 3600 lb trip force (recommended)**



- E • Extend **1** wheel cylinders for headland turns.
- Lift machine for deep ravines/ditches.

## F Converting to Transport Position

- Follow the **reverse** of steps "B" shown above.

- IMPORTANT:**
- Fully extend wheel cylinders **1** before attempting to fold in wings.
  - Leave remote **3** engaged after folding in wings so wheels **1** can be retracted to lowest transport position.
  - Ensure wing rollers are resting in transport cradles before road transport.

## G MAX Transport Speed: 40 km/h (25 MPH)