

INSTALLATION & ADJUSTMENT  
of  
**Exapta<sup>®</sup>s Thompson<sup>™</sup> closing wheel**  
on JD 60/90-series drills

**Assembly for T-wheel with stub shaft (T.4z) (bearing in closing arm, not in wheel):**

Remove old closing wheel. Use the longer 5/8 x 7.5" bolt (provided), *along with original spacers, locknut, & dustcap.* Put all the spacers back into their original location.

**Adjustment:**

*Spoked closing wheels require less pressure than smooth wheels.* Too much pressure can force spokes to go too deep and dislodge seeds in very loose or mellow conditions, especially if the seeds aren't truly embedded into bottom of furrow with the in-furrow firming device (seed-lock wheel). However, too little pressure fails to break up the sidewall, which can seriously impair crown root development in grass crops. T-wheel spokes should penetrate soil to about 2/3 to 3/4 the depth of furrow.

Wheels may be spaced in or out also; moving the Thompson wheels closer to the furrow makes them more aggressive (unless they're so close they're just slicing off the top corner of the furrow lip, which looks sufficient until you dig and discover that most of the sidewall is completely intact), and vice versa. *Once you've determined the optimum spacing for your soils under no-tillage, you'll probably never need to adjust this spacing in or out again unless the spokes wear down considerably in length.* If you plant on contours a lot, slightly wider spacing may be desired. For best results, position the spoke tips about 0.75" from the lip of furrow (note: closing arms can get bent) (further note: wear on the big pin at the front of the opener will affect tracking of components, as will slop in the closing arm pivot). The JD closing arm holds the wheel so that it has considerable toe-out, which is increased further if the opener is 'rolling under' (frame is lifting slightly). Conversely, if you're not running enough downpressure on the opener, the closing pivot point may be too high and there will be less toe-out and less closing action (you will also have shallow furrows at times).