

## John Deere Pneumatic Downforce (Non-Active)

### Option Code 5125 Pneumatic Down Force (Non-Active) Components



**ELECTRIC COMPRESSOR**



**ROW UNIT AIR SPRINGS**



**STORAGE TANK & VALVE**

### SeedStar™ XP Navigation Buttons

Select the buttons to display main run page for each function. The buttons turn orange if monitored feature on that page is nearing alarm setpoint. The buttons turn red if monitored feature on that page exceeds alarm setpoint.

### Row Unit Down Force Margin (Set Point)

Target margin is entered on the Alarms and Warnings setup screen (previously on Down Force Setup Screen)  
Factory Default Setting is 75 lbs

Proper monitoring of down force requires careful balance of target margin, margin alarm set point, and Pneumatic Down Force setting

### Setting Down Force



Down Force at a Glance Operation:

Center line is target margin

- Bar above line indicates gauge wheel load above target margin
- Bar below line indicates gauge wheel load below target margin

What does this mean as an operator?

- If constantly operating with gauge wheel loads above Target Margin, PDF (Pneumatic Down Force) can be decreased
- If constantly operating with gauge wheel loads below Target Margin, PDF (Pneumatic Down Force) needs to be increased

### Set Point Optimization

Set Point Down Force is prone to “over-alerting” the operator by lighting the Down Force orange button or red frequently.

1. Evaluate trench depth and side wall condition – based on previous years’ down force preferences.  
Add or remove force as needed to optimize the trench and side walls.
2. Once you are satisfied with conditions, view average margin reading from SeedStar XP
3. Set “Target Margin” to this value
4. Set point down force is about optimizing “bar graph consistency”