

Tech Bulletin: DeltaForce with Dawn GFX Compatibility

August 21, 2014

DeltaForce®

The Problem: Dawn GFX row cleaners are being installed on many new John Deere planters by the dealership. The installation method used by the Deere dealer allows the DeltaForce cylinder to contact and damage the cast cover for the hydraulic attachment on the GFX cylinder.

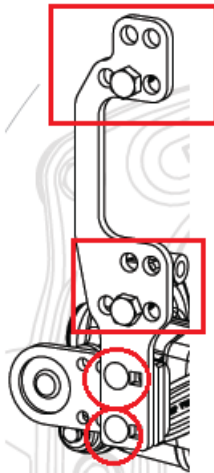
NOTE: DeltaForce from Precision Planting is not compatible in any circumstance with older style GFX row cleaners. This compatibility issue is only applicable to the newer style. The older style has a 90° elbow on top which will interfere with DeltaForce in all circumstances. The newer style has a parallel inlet.

The Solution: In order to reduce interference and allow compatibility between DeltaForce and the newer GFX systems, it will be necessary to:

- 1) Reorient the bracket.
- 2) Set the row cleaner to the setting closest to the frame (hitch).
- 3) Move the yoke up.

Minimal contact between the row cleaner and the DeltaForce cylinder will occur when the planter is lowered and the GFX is completely raised. In this case, however, the contact is limited to the cylinder pin and the GFX frame. The treader wheel may also contact the row unit itself.

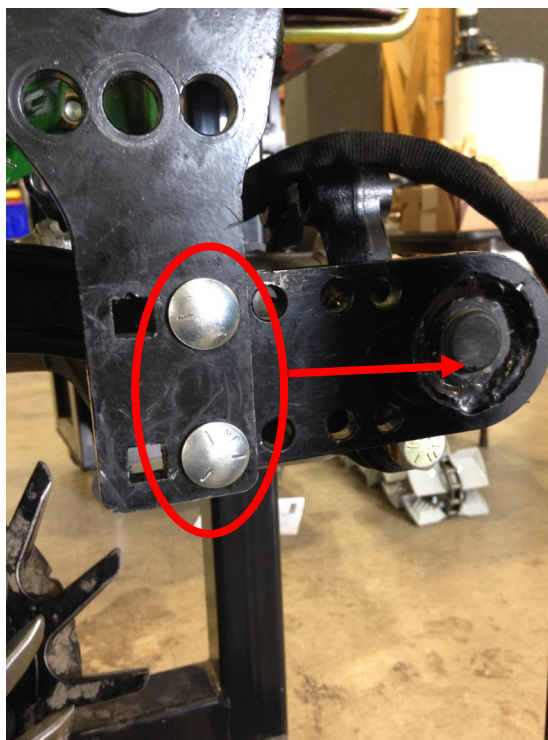
JD installation from Dealer



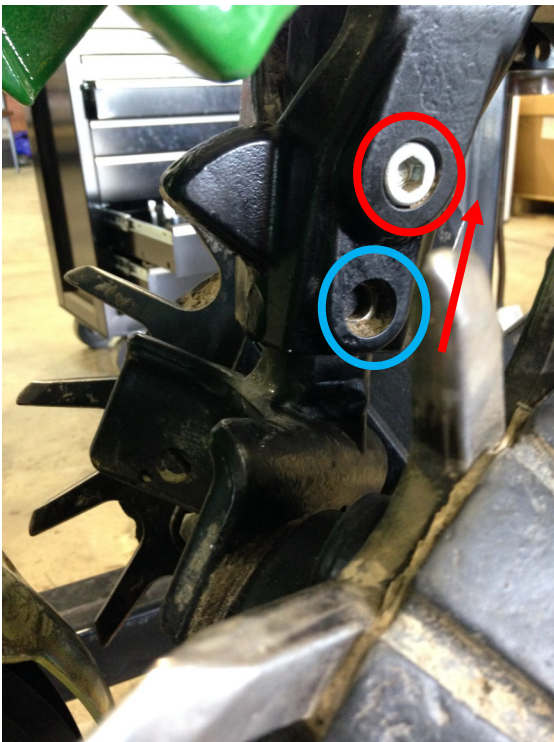
This bracket orientation allows Dawn GFX Row Cleaners to be compatible with DeltaForce with no interference.



Move Row Cleaner all the way forward.



Move the yoke up. The bottom hole illustrated by the blue circle is no longer used.



Once the row cleaner is repositioned, Interference between DeltaForce and the GFX row cleaner is eliminated.

