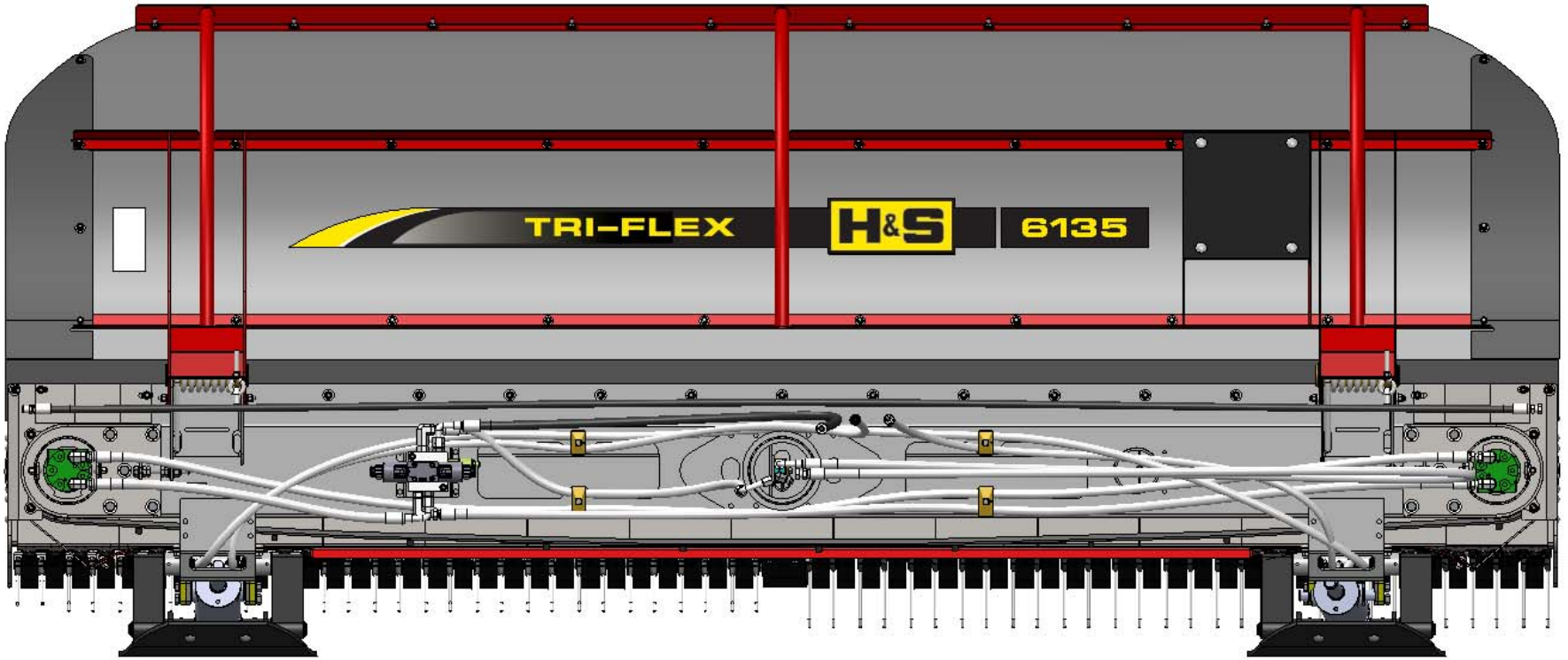
TF6135 / TF6130 2016 Model Year Updates Overview

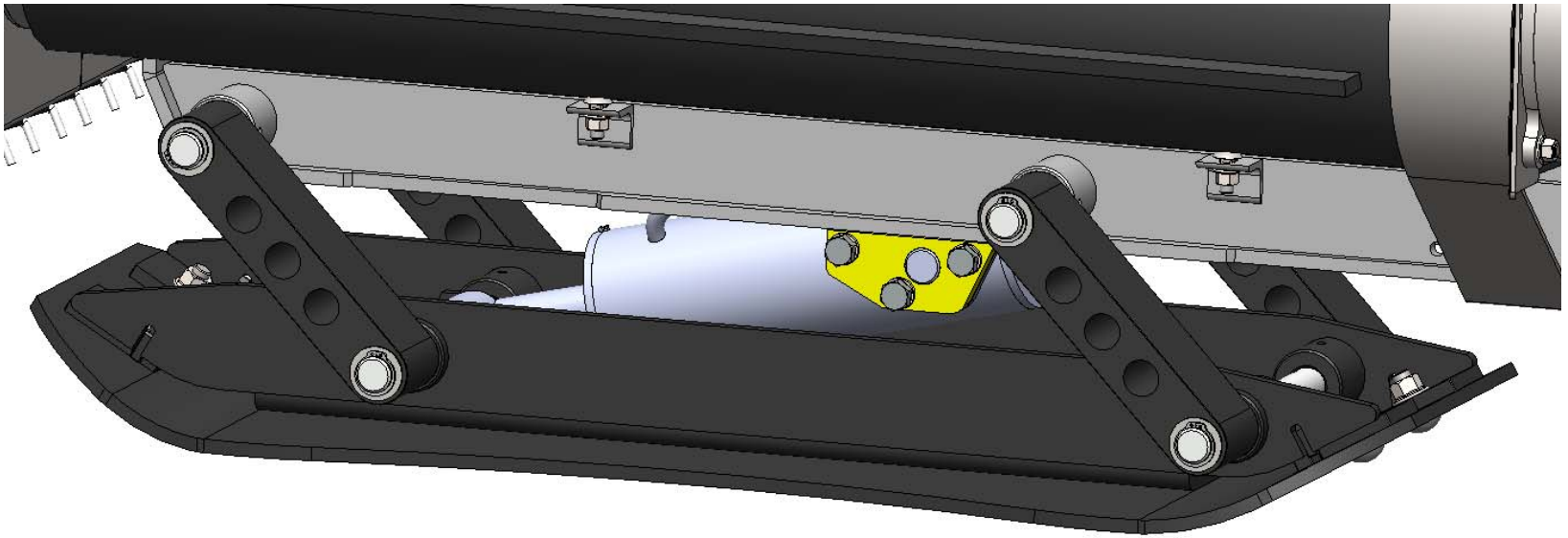
Component Upgrades
*Deflector

- **New Deflector Design**
  - **Torsion Spring replaces extension spring and eliminates rubbing on hydraulic hoses**
  - **Poly deflector offers a lighter weight solution, no painted surface to scratch. Stands up straighter to deflect maximum amount of crop to the cross conveyor.**



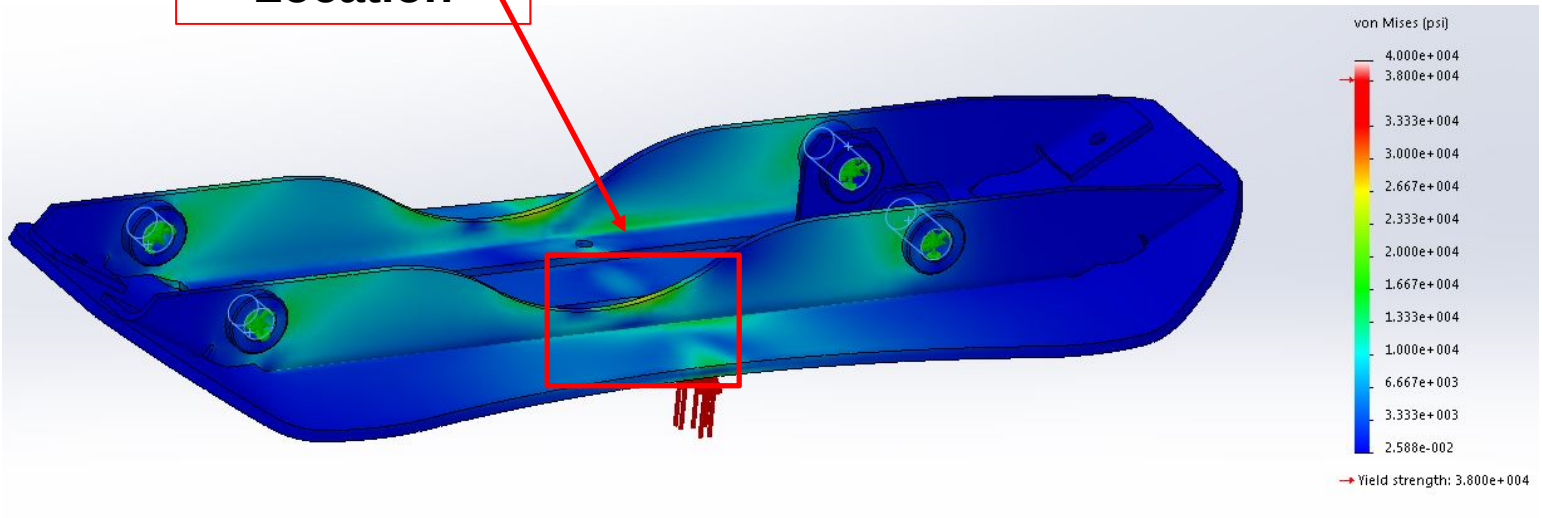
Component Upgrades
*Skid Shoes

- **New Skid Shoes**
  - **Machined aluminum linkage without bushings for much easier assembly/disassembly, lighter weight**
  - **Wider skid shoe by 1.50 overall for more ground contact (less ground pressure)**
  - **More robust gusset system to handle higher abuse loads – (See following slides)**
  - **Longer pins to allow room for washers and a heavier duty snap ring**

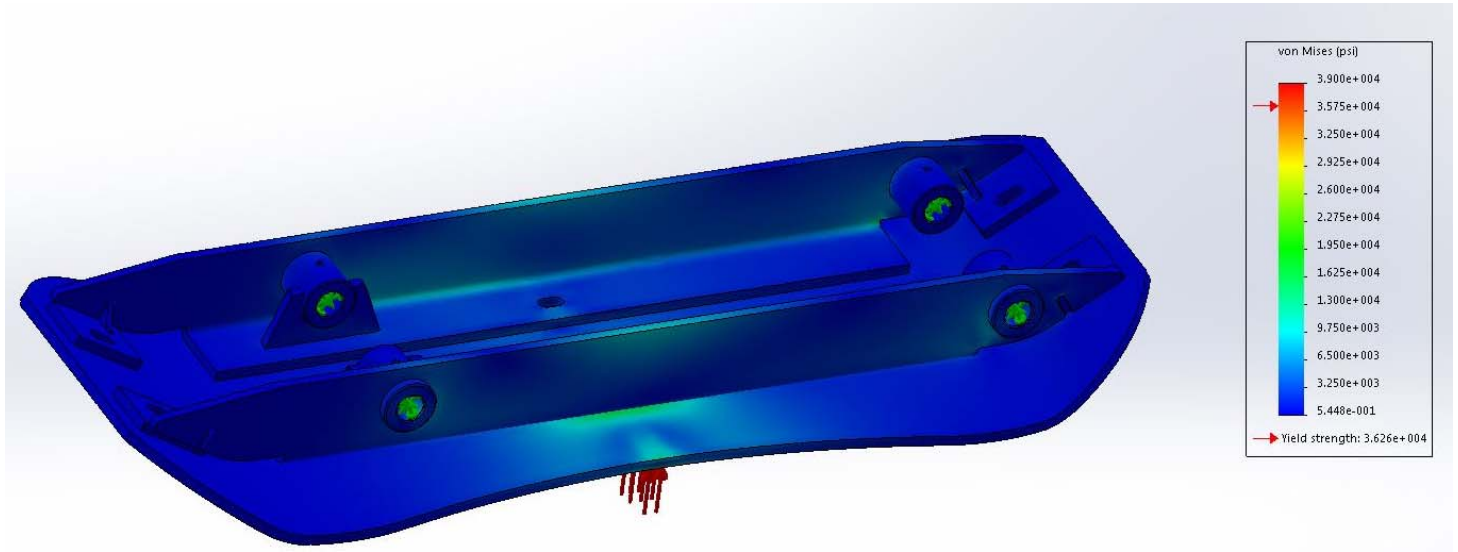


Component Upgrades *Skid Shoe Testing / Analysis (Legacy Skid Shoe)

Fatigue Failure Location

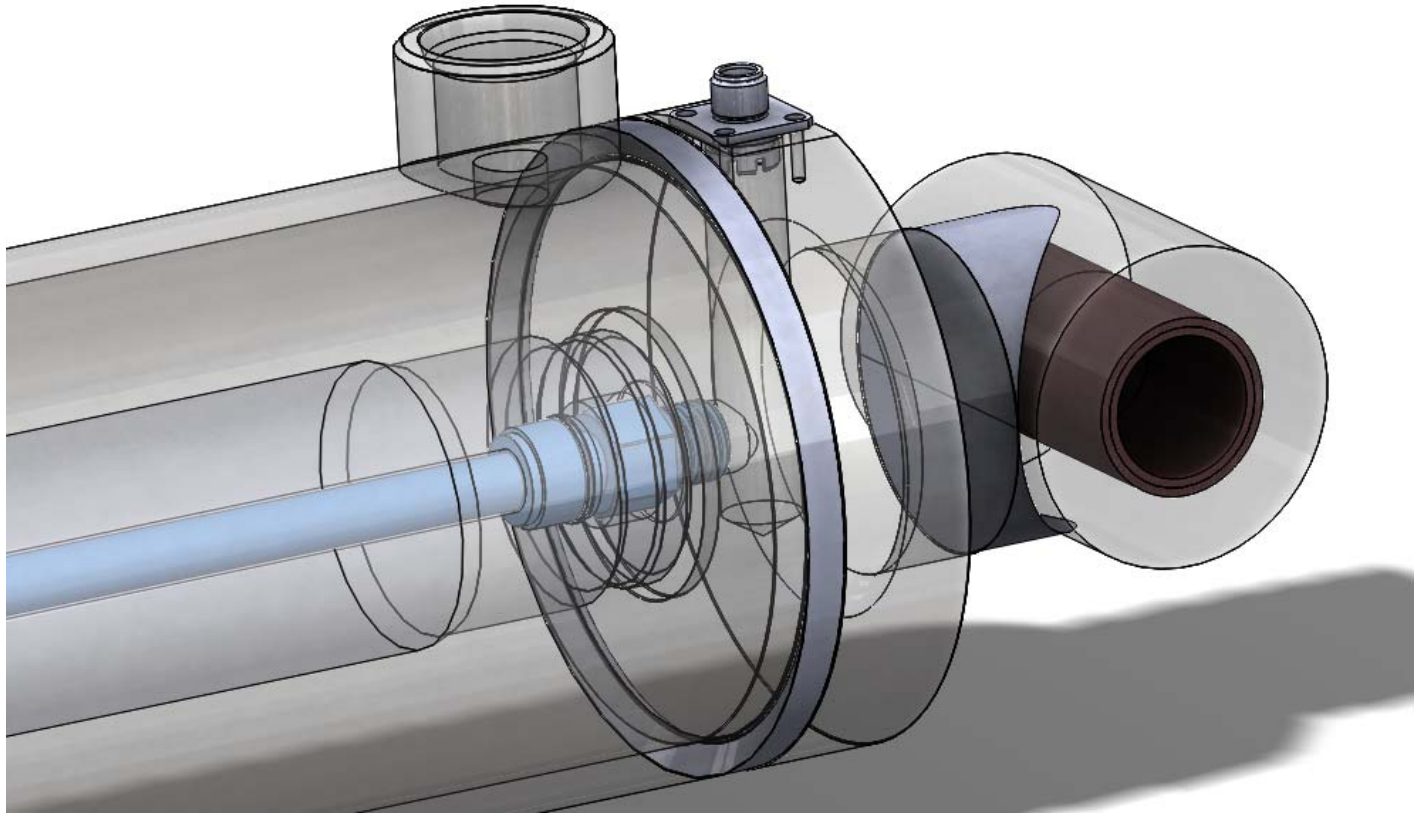


Component Upgrades
*Skid Shoe Testing / Analysis
(New Design Skid Shoe)



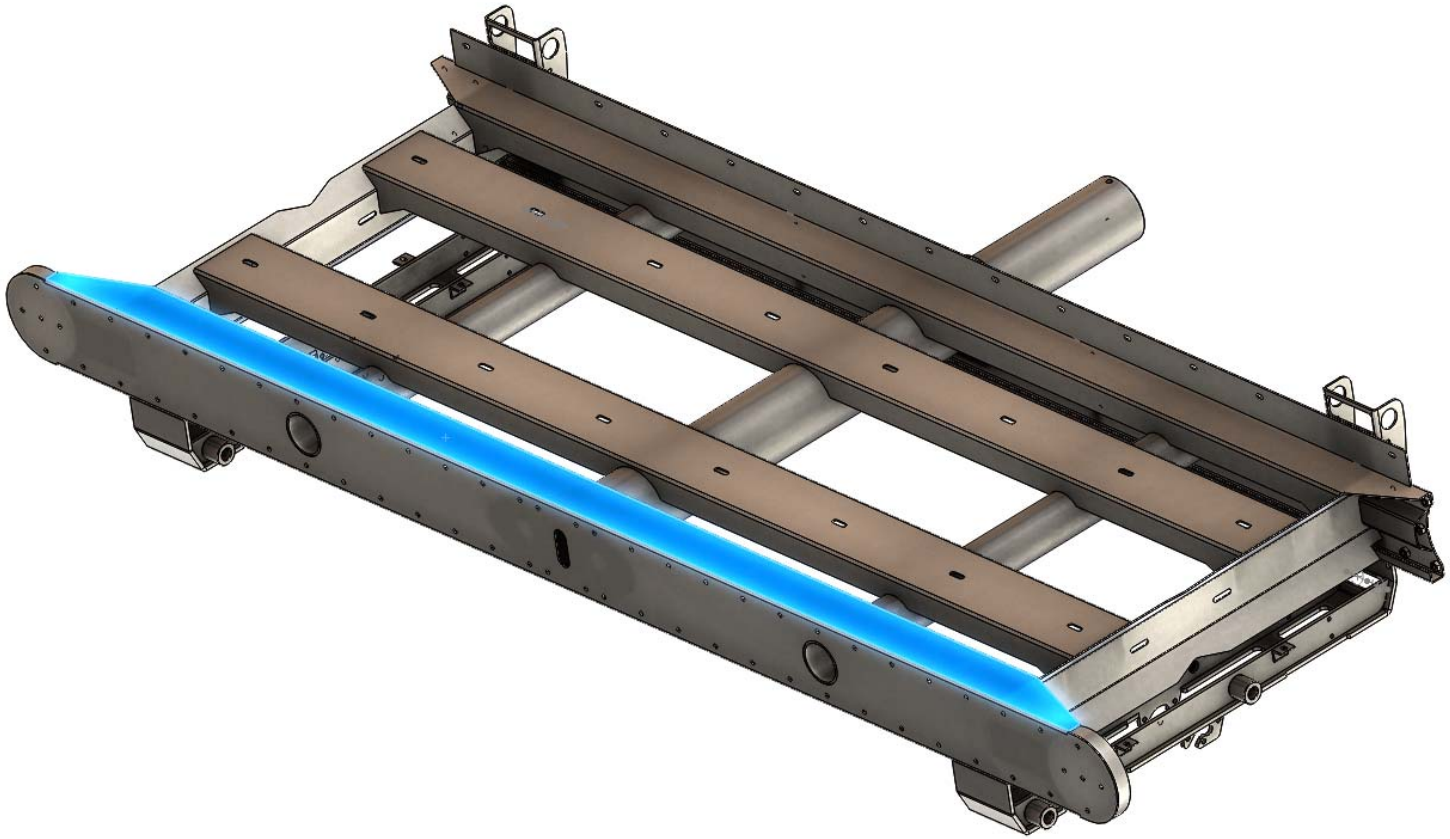
Component Upgrades
*Cylinders

- **Cylinders**
  - **Replaced MTS sensor (retained with set screw) to more vibration resistant ROTA sensor (retained with threaded fitting)**
  - **New cylinder vendor with improved process capabilities**



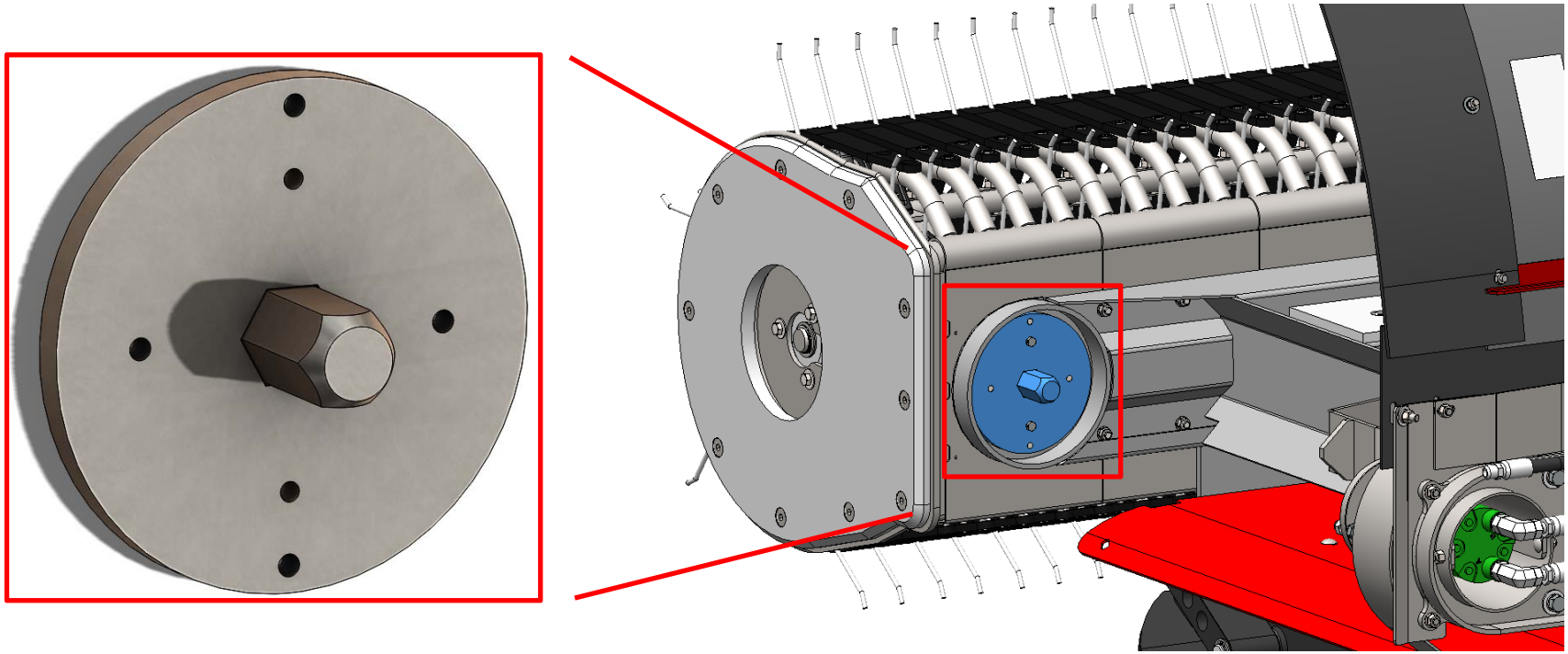
Component Upgrades
*Head Weldment

- **Main Head Weldment**
  - **Redesigned with deeper front and rear brackets for added strength and less weld warpage leading to a more square head**
  - **Dimensional changes to improved belt tracking (30’ machines only)**



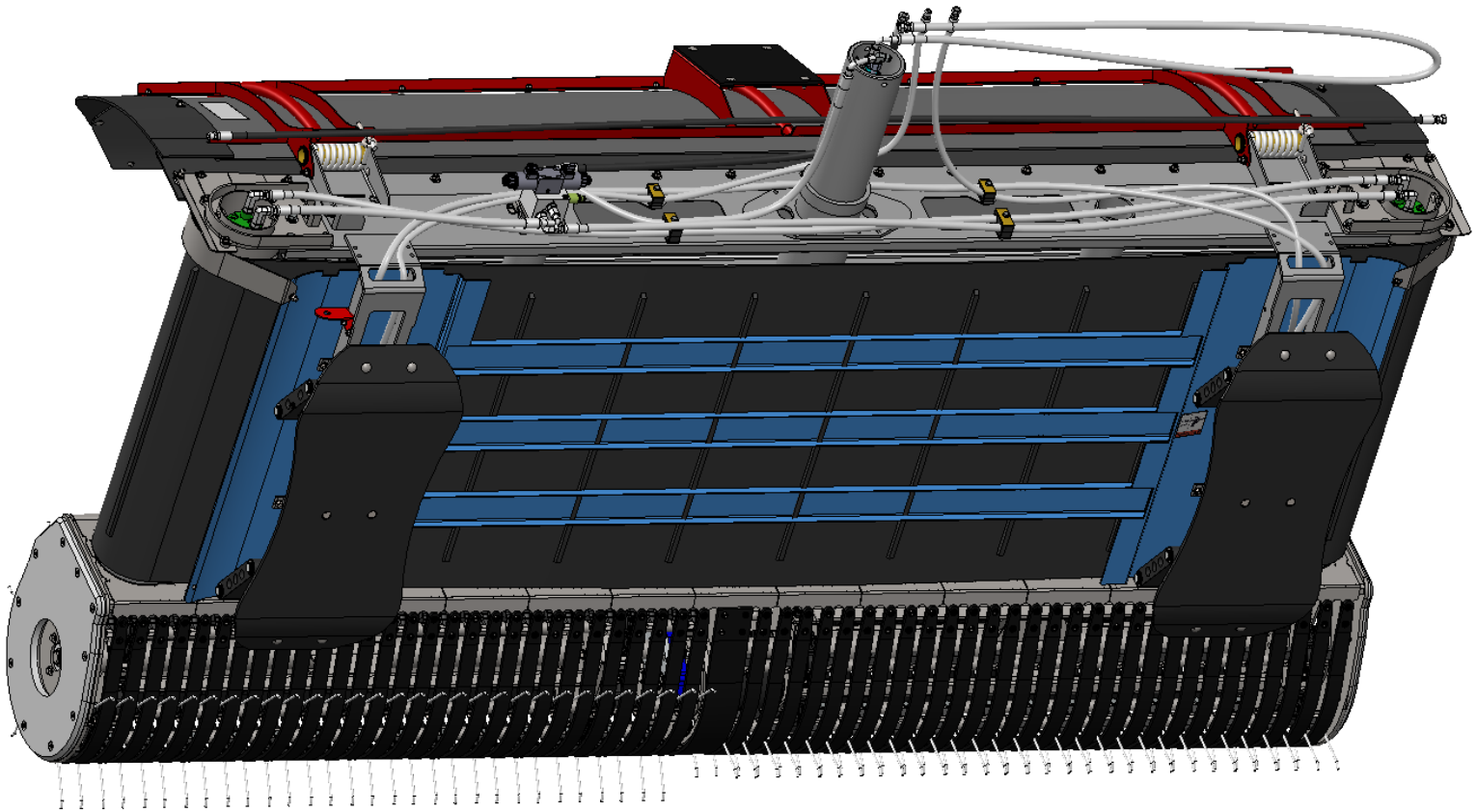
Component Upgrades
*Bearing Stub Shaft

- **Cross Conveyor Bearing Stub Shaft**
  - **Bolted on design that allows this part to be serviceable at a much lower cost**
  - **Helps reduce weld warpage in the main head weldment**



Component Upgrades
*Belt Pan

- **Cross Conveyor Belt Pan**
  - **Single welded shield to replace the two separate shields, this is based on an original design**
  - **Improve any belt knocking, due to the belt splice contacting the second shield**
  - **Improve ease of belt installation to the head**



Design Improvements
*Reliability / Functionality

- Eliminated Interferences
  - Head to Fold Arm Interferences Eliminated
  - Head Deflector Spring / Hydraulic Hose Interferences Eliminated
- Steering Sensor on Pole
  - Redesigned to offer more responsive and precise reaction to match Tractor steering more accurately
  - Assembled with centric shop aides to ensure concentricity with King pin rotation
  - Lever engage with shoulder bolts rather than roll pins
- Main Assembly Deflector Stops
  - Redesigned to ensure proper clearances are maintained while folding machine into transport / stowed configuration
  - Reduced part count to eliminate non-value added components
- Pickup motor hydraulic line
  - Improved motor vibrations through mounting redesign to eliminate hydraulic line leaks

Component Upgrades
*BKT Tire Option

- **BKT Tire Option (AW 711)**
  - **Lower soil compaction due to radial design**
  - **Heavy load carrying capacity at higher speeds**
  - **Reduced wear characteristics**
  - **Improved traction**
  - **On & off road applications**