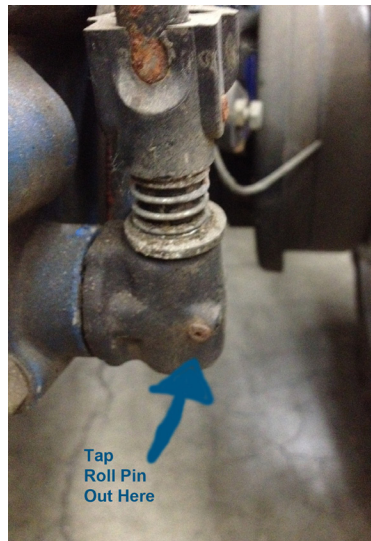


PTO ROD ROTATION REPAIR

One common problem with the PTO engagement lever on all BCS tractor models is that the articulation point at the base of the vertical rod can rust and will not rotate. This prevents engagement of the PTO.

To fix the problem, follow these six steps:

1. Rotate handlebars and shifting lever into front-mount mode, or mode opposite from stuck position.
2. The PTO rod will not rotate due to rust buildup in pivot point.
3. Tap roll pin out from PTO Articulation Holder using punch and punch holder. Since the joint is rusted, this will not be easy. Use patience, penetrating oil, and maybe a little heat from a hand held propane torch, but go easy, there is an oil seal close by.



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4. Tap PTO Shift Arm from under holder to remove shift arm and other components:



5. Apply Never-Seize or similar grease to the shifting arm, (the male) the holder, (the female) and the roll pin:



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6. Re-insert PTO Shift Arm into the hole flush to the bottom of the hole and tap through the locking roll pin. Lever should move freely at articulation joint.



Note: To prevent this problem from occurring, or reoccurring, pivot the PTO engagement lever back and forth every few months to prevent it from seizing.