



TIM'S TECH TIPS



Broken End Cap Bolts

In our previous Tech Tip on [Checking Pivot Group End-Play](#), we mentioned that when you're re-shimming the pivot group, it's also a good time to check main bearing wear.

Why? You may ask.

Worn main bearings can be a cause of pivot group end cap bolts failing on the guide side of an attachment.



The main bearing will wear more on the cutting side, causing the main shaft to start twisting toward the bearing on the guide side. The end of the main shaft will then contact the thrust washer under the cap at an angle instead of flat against it. This results in point-loading that will cause the end cap bolt heads to fail in the 6 to 9 o'clock positions on the end cap.



End cap bolt failure can also result from processing high-strength cable. The cable will not cut completely once the blades are dull and will wedge between the upper and lower main cutting blades. This puts extreme force between the blades and pushes the main shaft sideways into the end cap, popping off the bolt heads.



Checking both sides of the pivot group every 4 hours of attachment operation is recommended as standard maintenance while greasing, and if end cap bolts are damaged or broken, remove the caps and check for bearing wear.

If you need assistance checking your attachment's pivot group, contact Tim at 218-349-5755, talseth@genesisattachments.com, or Loren at 715-919-8316, llagesse@genesisattachments.com.