SUBJECT: Pinion Gear Retention Kit on W6G for John Deere Tractors

We recently received reports of a high pitched, whining gear noise coming from some W6G winches installed on John Deere 750C II and 850C II tractors. This noise is caused by the Pinion Bevel Gear moving into the bevel gears. A Pinion Retention kit is now available that stops this from happening.

Note: The Pinion Retention Kit is meant as a repair kit and is not necessary if you are not experiencing any problems.

Use the table below to determine the parts you need for your winch.

<table>
<thead>
<tr>
<th>Winch Model &amp; S/N</th>
<th>Pinion Retention Kit P/N</th>
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</thead>
<tbody>
<tr>
<td>JD 750C II &amp; 850C II</td>
<td></td>
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<tr>
<td>AW6G-1044 thru 1061</td>
<td>2306285W</td>
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<tr>
<td>AW6G-1062 &amp; above</td>
<td>2306286W</td>
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Installation procedures:

1. Remove the winch from the tractor.
3. Install the Pinion Retention Kit as shown in Figure 1. Lubricate each part with oil first.
4. Reinstall the Pinion Bevel Gear.

CAUTION: Do not tighten the adjuster as the backlash for the winch needs to be re-adjusted after installing the input carrier.
5. Verify the ring gear mounting distance. Add the numbers etched into the outer ring of the bevel gears. The back faces of the ring gears should be that distance ±0.003” apart. If the distance is not within the tolerance, change the spacer between the bearings on the clutch shaft.

6. Install the Input Carrier on the winch and set the backlash between the Pinion Bevel Gear and the bevel ring gears on the clutch shaft. Pry the Pinion Bevel Gear forward.

7. Using a dial indicator, the backlash measurement between the pinion and each bevel gear should be between 0.006” and 0.014”, and should be equal on both sides. If necessary, move bevel ring gears side to side by adjusting the clutch shaft. If the measurement is not within the tolerance given, move the adjuster in or out gradually. Pry the Pinion Bevel Gear away from the bevel ring gears in between measurements.

8. Once the backlash is set correctly, install the keeper and reinstall the winch.

If there are any questions, please call the Allied Systems Company Service Department at 503-625-2560. Standard warranty procedures apply.