



**Field Service Spares Replacement Procedure – CL Belt Kit, XX06ZRA & XX09 For Idler**

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**Approval:**

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**Revision History**

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A	8795	Initial release	08-05-2011
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# Field Service Procedure – Replacement CL Belt Kit, XX06RZA & XX09 For Idler

## 1. Inspections:



**\*CAUTION:** Be extremely careful rotating the pedestal around while your fingers are in this area to prevent pinching or crushing your fingers in the pedestal assembly.

### 1.1. Alignment.

Inspect the alignment of the belt through the motor drive sprocket and the driven sprocket. Misalignment will cause the belt to wear along its edges (refer to pictures below).

### 1.2. Damage.

Inspect the belt for damage. Look for teeth that have de-laminated, or been completely torn off the belt (refer to pictures below).



**Belt edge wear**



**Missing tooth**



**Seperating tooth and edge wear**

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## 2. Replacing the Cross Level Drive Belt:

### 2.1. Tools.

- 5/64" Allen Wrench/Key
- #1 Phillips Screwdriver
- Snips/ Cutters
- Loctite 242

### 2.2. Procedure.

Procedure for replacing the cross level belt for the XX06RZA and XX09 systems w/idlers, Sea Tel kit part number: 135352 (belt part number: 123907-13537).

<p><b>*CAUTION:</b> Power down the pedestal before following this procedure.</p> <ol style="list-style-type: none"><li>1. Using a 5/64" Allen wrench Loosen the four motor mounting screws.</li><li>2. Cut the cable ties across the top of the cross-level driven sprocket.</li><li>3. Using a #1 Phillips screwdriver remove the two screws to temporarily disconnect the cables from the standoffs.</li><li>4. If the failed belt was not broken, decouple it from the cross-level motor drive sprocket and remove it.</li></ol>	
<ol style="list-style-type: none"><li>5. Loosen the tensioning bolt locking nut and loosen/unthread tensioning bolt.</li><li>6. Route the replacement belt around the cross-level driven sprocket and couple it onto the drive sprocket of the motor.</li><li>7. Apply Loctite 242 to, and re-install, the 2 Phillips screws removed in step 3.</li><li>8. Install 2 cable ties across the top of the cross-level driven sprocket as were removed in step 2.</li></ol>	
<ol style="list-style-type: none"><li>11. Loosen the locking nut on the tensioner bolt and apply Loctite 242 to the thread. Then tighten the tensioning bolt and check belt tension by twisting the belt with your fore finger and thumb.</li><li>12. Increase belt tension until the belt can only be easily twisted just ¼ turn with your fingers.</li><li>13. One at a time, apply Loctite 242 to the four motor mounting screws and tighten each to secure the motor.</li></ol>	