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## Pump Assembly

<b>Job code</b>	A1
<b>Summary</b>	Adjustable Water Pump Assembly Procedure
<b>Work type</b>	A1
<b>Role</b>	Shop floor
<b>Expected time</b>	20 minutes
<b>Work cell</b>	1
<b>Previous job</b>	Regular inspection
<b>Next job</b>	none
<b>Work order</b>	n/a
<b>Revision</b>	n/a

## PREREQUISITES

Comply with health and safety procedures.

## PARTS LIST

Part number/ Alternative part number	Description	Quantity
PM005300	Pump Assy	1
PM005301	Back Plate Assy	1
DP00356	Dowel Pin	1
PM005303	Ball Bearing Assy	1
PM005310	Zerk Fitting	1
PM005302	Retaining ring	1
PM00530	Gasket, Case	1
PM005320	Backplate	1
PPM005350	Casing	1
PM005500	Idler Shaft Assy	1
SH40500	Gear	1
PM005531	Washer, Expansion, type 2	1
PM005531	Washer, Expansion, type 2	1
PM005520	Bushing	1
PM005530	Washer, Expansion, type 1	1
PM005520	Bushing	1
PM005530	Washer, Expansion, type 1	1
SH40020	Shaft, Idler	1
PM005501	Drive Shaft Assy	1
SH40500	Gear	1
PM005531	Washer, Expansion, type 2	1
PM005520	Bushing	1
PM005531	Washer, Expansion, type 2	1
PM005520	Bushing	1
PM005530	Washer, Expansion, type 1	1
PM005530	Washer, Expansion, type 1	1
SH40120	Shaft, Drive	1
PM005600	Face Plate Assy	1

Part number/ Alternative part number	Description	Quantity
BLT003345	Bolt, Hex Head, type 3	1
PM00530	Gasket, Case	1

### RESOURCES

Part number/ Alternative part number	Description	Quantity
	Torque wrench	1
	Sealant type Z1	

### Pump Assembly

Nº	Task	Illustration
1	<p><b>Attach the Drive Shaft to the Blackplate Assy</b></p> <p>Enter assignment id (optional)</p> <p>Wipe <a href="#">Drive Shaft</a> with a cloth. Attach the <a href="#">Drive Shaft</a> to the <a href="#">Backplate Assy</a>.</p>	
2	<p><b>Install the Ball Bearing Assy on the Drive Shaft.</b></p> <p>Install the <a href="#">Ball Bearing Assy</a> on the <a href="#">Drive Shaft</a>.</p>	
3	<p><b>Install the Zerk Fitting.</b></p> <p>Install the <a href="#">Zerk Fitting</a>.</p>	
4	<p><b>Insert the Dowel Pin in the Casing.</b></p> <p>Insert the <a href="#">Dowel Pin</a> in the <a href="#">Casing</a>.</p>	
5	<p><b>Attach the Gasket.</b></p> <p>Attach the <a href="#">Gasket</a> to the <a href="#">Casing</a>.</p>	
6	<p><b>Attach the Back Plate Assy.</b></p> <p>Attach the <a href="#">Back Plate Assy</a> to the <a href="#">Gasket</a>.</p>	
7	<p><b>Install Bolts and Washers.</b></p> <p>Install 8 Bolts, Hex Head, type 1 and 8 Washers, type 1.</p>	
8	<p><b>Install the Idler Shaft.</b></p> <p>Install the <a href="#">Idler Shaft</a>.</p>	

№	Task	Illustration
9	<p><b>Install the Gear on the Idler Shaft.</b></p> <p>Install the <a href="#">Gear</a> on the <a href="#">Idler Shaft</a>.</p> <div style="border: 2px solid blue; padding: 5px; margin-top: 10px;"> <p><b>NOTE</b></p> <p><b>Inspect both Gears for signs of wear before installation</b></p> </div>	
10	<p><b>Install the Bushing on the Idler Shaft.</b></p> <p>Install the <a href="#">Bushing</a>, <a href="#">Washer</a>, <a href="#">Expansion, type 1</a> and <a href="#">Washer, Expansion, type 2</a> on the <a href="#">Idler Shaft</a>.</p>	
11	<p><b>Install the Gear on the Drive Shaft.</b></p> <p>Install the <a href="#">Gear</a> on the <a href="#">Drive Shaft</a>.</p>	
12	<p><b>Install the Bushing on the Drive Shaft.</b></p> <p>Install the <a href="#">Bushing</a>, <a href="#">Washer</a>, <a href="#">Expansion, type 1</a> and <a href="#">Washer, Expansion, type 2</a> on the <a href="#">Drive Shaft</a>.</p>	
13	<p><b>Insert Dowel Pins in the Casing.</b></p> <p>Insert 2 Dowel Pins in the Casing.</p>	
14	<p><b>Attach the Gasket to the Casing.</b></p> <p>Attach the <a href="#">Gasket</a> to the <a href="#">Casing</a>.</p>	
15	<p><b>Attach the Face Plate Assy to the Gasket.</b></p> <p>Attach the Face Plate Assy to the Gasket.</p>	
16	<p><b>Install Bolts and Washers.</b></p> <p>Install 5 X Bolts, Hex Head, type 1 and 5 X Washers, type 1.</p>	