



SERVICE BULLETIN

MOTOR SHAFT SEAL

• *REPLACEMENT INSTRUCTIONS • DOC#15-2011 •*

DIAMOND MOWERS, LLC
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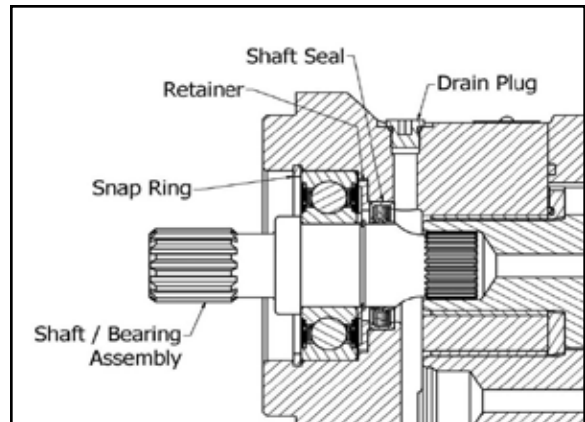
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1. Clean the outside of the motor to prevent contaminants from entering during disassembly.
2. Remove the snap ring *[see Figure 1.]*
3. Pull out the shaft/bearing assembly. It may help to remove the drain plug to allow air into the seal cavity so that a vacuum is not created *[see Figure 1.]*
4. Remove the retainer *[see Figure 1.]*

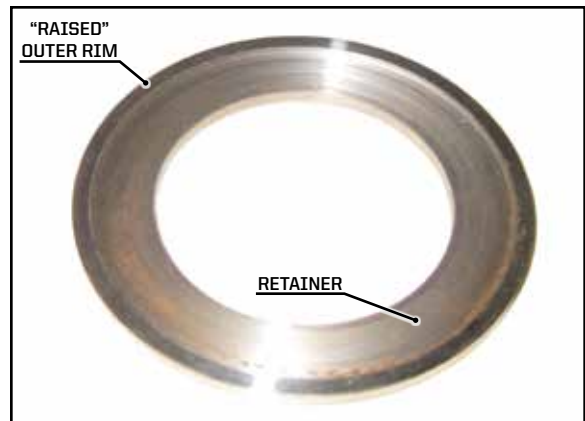


Note the orientation of the retainer so that it is installed correctly during re-assembly. The raised outer rim should be facing out and visible when installed *[see Figure 2.]*

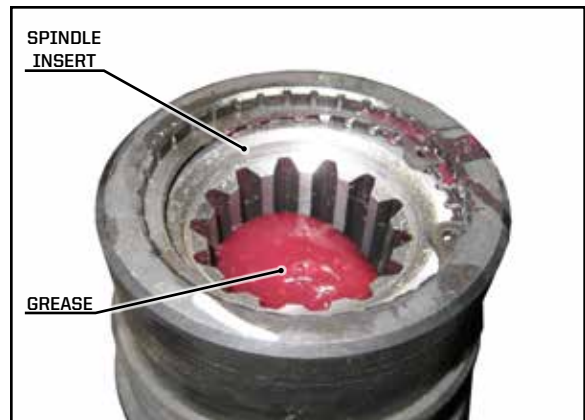
5. Remove the shaft seal from the bore with a puller or by prying. Be careful not to damage the seal bore. Discard the shaft seal. Clean the seal bore with solvent and polish to remove any burrs or scratches created during the removal of the seal *[see Figure 1.]*
6. Apply rubber lubricant or hydraulic oil to the outside diameter of the new seal and to the seal bore. Press the new seal (*spring side first*) into the bore until the flat front face of the seal is flush with the face of the bore *[see Figure 1.]*
7. Install the retainer with the correct orientation *[see Figure 1.]* The raised outer rim should be facing *OUT* so it is *VISIBLE* when installed *[see Figure 2.]*
8. Clean and inspect the diameter of the shaft/bearing assembly where the shaft seal will contact. Replace if there is any damage on this surface or if the original seal left any grooves or other wear *[see Figure 1.]*
9. Install the shaft/bearing assembly and the snap ring *[see Figure 1.]*
10. If your application uses the D2 style spindle as illustrated in *[Figure 4,]* inject (12) pumps (.5oz) of Chevron Delo HD EP2 grease into the spindle splined insert prior to reassembling the motor to the spindle *[see Figure 3.]*
11. If your application uses the D2 style spindle as illustrated in *[Figure 4,]* inject (20) pumps of #2 lithium grease to each of the (2) grease zerks on the side of the spindle *while spinning the disc by hand.*



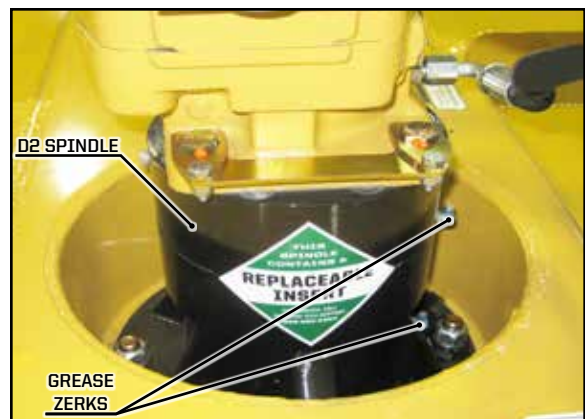
[Figure 1]



[Figure 2]



[Figure 3]



[Figure 4]