

2B Technologies, Inc.

An InDevR Company

Technical Note No. 011

Procedure for Replacing Diaphragm Yolk Assembly on Sensidyne A Series Pump

Date: 7 February 2008

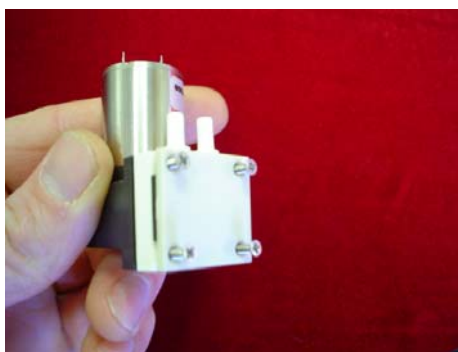
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Requirements

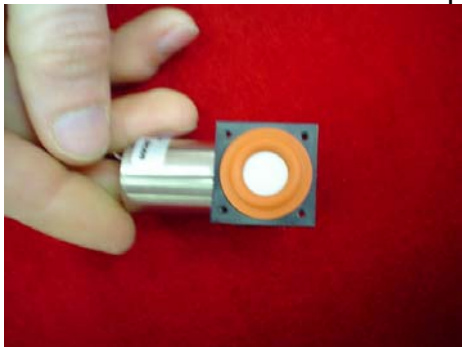
- 1 medium size phillips head screwdriver
- 1 medium size flat head screwdriver
- 1 replacement yolk assembly

Procedure

1. Using phillips head screwdriver, remove 4 screws holding the white inlet and outlet bracket from the pump housing.



2. Remove white bracket from pump housing to leave top of diaphragm exposed



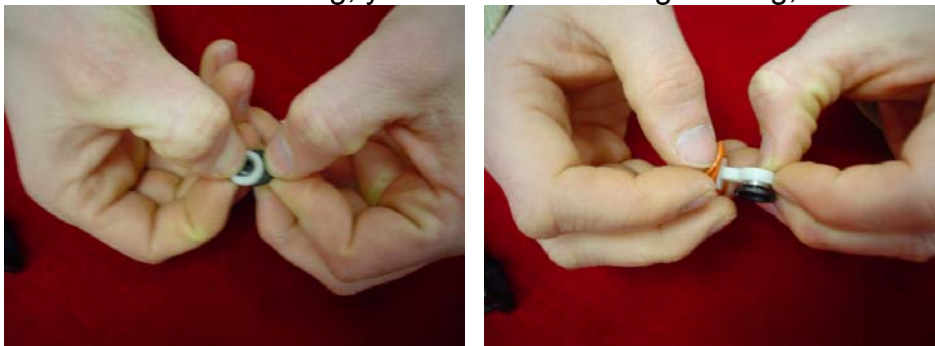
3. Using flat head screwdriver, pry yolk assembly off of motor axel as shown.



4. Remove yolk assembly from pump housing by pushing yolk and carefully pulling on diaphragm through large hole where diaphragm rests.



5. Remove black bearing insert from yolk assembly if necessary (if replacement yolk does not have a bearing, you must use existing bearing, otherwise skip steps 5 and 6).

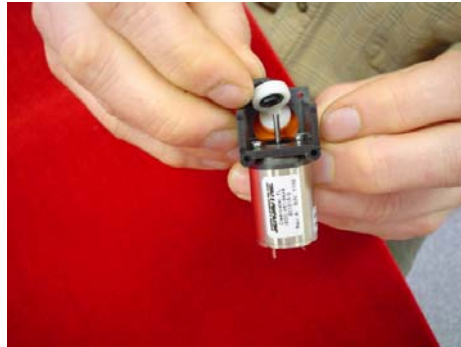
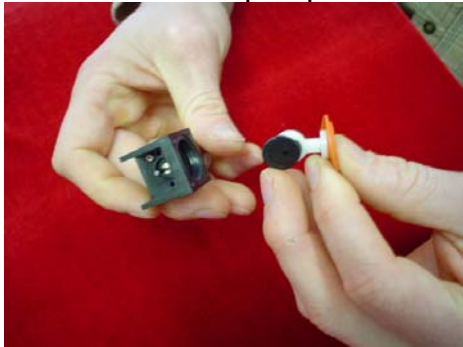




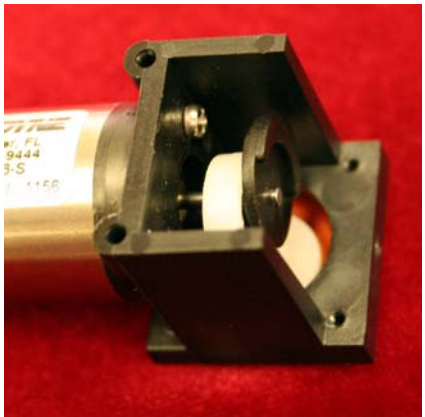
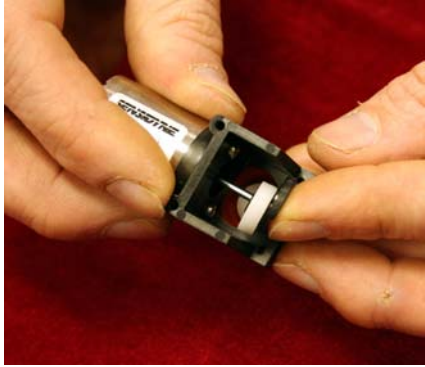
6. Insert bearing into new yolk by pressing firmly on bearing side and white-yolk side to ensure bearing is seated completely in yolk.



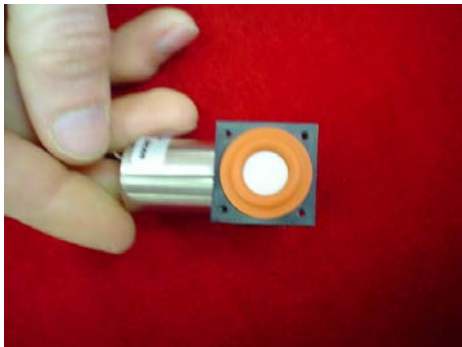
7. Insert new assembly into pump housing through large hole with black bearing side facing bottom of pump as shown. You may need to rotate bearing in order to fit inside hole and around pump axel.



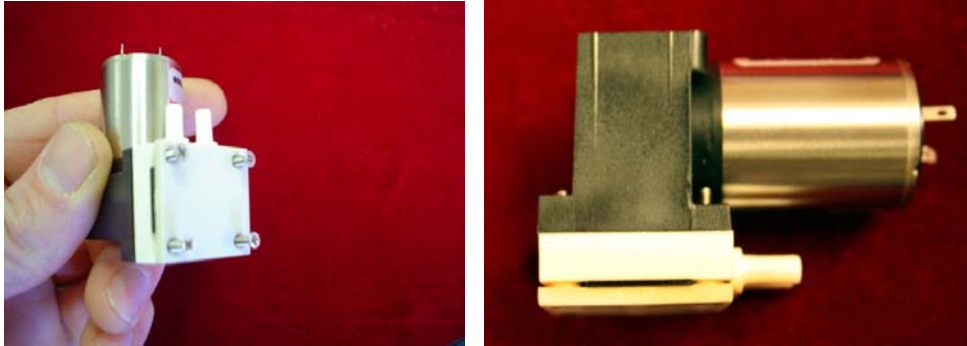
8. Position hole through black bearing over axel and press the yolk assembly onto axel. Continue to slide over axel until white yolk assembly is perpendicular with axel as shown. If not perpendicular, this will cause uneven stress on axel, leading to abnormal wear on pump motor.



9. Make sure diaphragm is center aligned on housing correctly before mounting white bracket.



10. Mount white inlet/outlet bracket and tighten screws completely down making sure there are no gaps between pump housing and bracket.



11. Connect pump to power source to test for correct operation.

If you have any questions or comments, please contact Craig Williford:

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