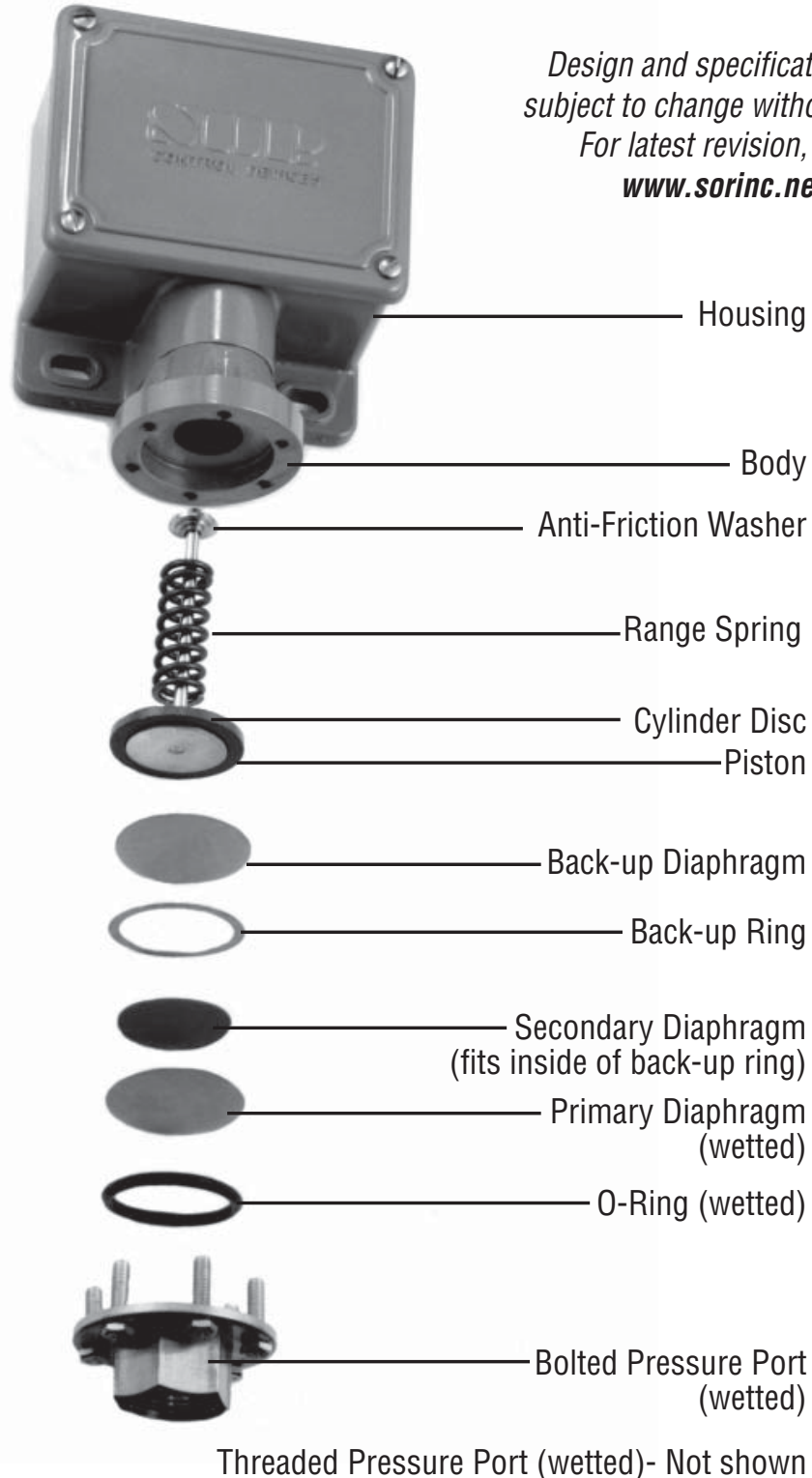




Replacing the Spring in Pressure detectors

General Instructions

*Design and specifications are
subject to change without notice.
For latest revision, go to
www.sorinc.net*



NOTE: If you suspect that a product is defective, contact the factory or the SOR® Representative in your area for a return authorization number (RMA). This product should only be installed by trained and competent personnel.

- ❶ Remove detector from service.
- ❷ Clean exterior of detector.
- ❸ Reduce set point of detector to minimum by backing the Adjusting Nut all the way toward the microdetector. This is for pressure only.
- ❹ Flush all fluid from Pressure Port using suitable solvent when necessary.
- ❺ Dry Pressure Port area with compressed air.
- ❻ It is not recommended that more than one detector be worked on at any one time to avoid the interchanging of parts. This would cause the units not to function correctly. It is recommended the replacement of the parts be done on one unit and tested. If the unit functions correctly, you can then move on to the next one.
- ❼ Place detector in a vise with Pressure Port fitting pointed up. Remove Pressure Port fitting.
- ❽ Remove “O” Ring and Diaphragms, observing order for reassembly.
- ❾ Remove Pressure Detector from vise and, holding hand over opened portion of the sensing element, turn detector over so internal parts of the sensing element fall into your hand.
- ❿ Remove stepped washer and spring from shaft.
- ⓫ Place new spring on shaft, seating properly in spring stop.
- ⓬ Replace stepped washer placing multi-stepped side toward the spring.
- ⓭ Again hold Pressure Detector with sensing element opening down.
- ⓮ Insert piston spring subassembly UP into sensing element. Watch for shaft to come through the adjusting nut and approach the Micro Detector. While holding the piston assembly in place, invert Pressure Detecot and reclamp in vise.
- ⓯ Replace diaphragm(s) and “O” Ring in original order.
- ⓰ Install Pressure Port fitting.
- ⓱ Re-adjust Adjusting Nut inside to set pressure desired.

Detector should function properly.



Printed in USA

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4/4 Registered Quality System to ISO 9001:2008

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