Instruction Sheet
P/N 1613031–01

Rhino® SD2/XD3 PCI Runaway Sensor

Description

See Figure 1.

The Rhino® SD2/XD3 PCI runaway sensor monitors pump strokes and runaway pump conditions for unloaders with 200-mm air motors. The system controller supplies the logic and control voltage to the sensor. The system controller indicates a runaway fault condition when the sensor senses a pump cycle rate greater than 10 strokes in a 20-sec period.

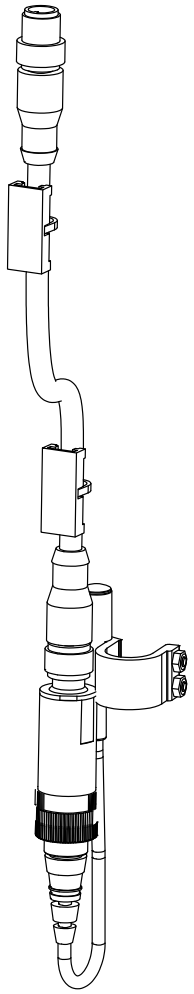

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Figure 1 PCI Runaway Sensor

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Repair

WARNING: Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

See Figure 2.

1. Connect the timer delay (4) and cable (3).
2. Install the sensor (7) by sliding the sensor clamp (6) over the tie rod (1) of the air motor. Ensure the sensing area (5) is touching the air motor cylinder (2).
3. Secure the sensor clamp (6) 3.75 in. above the bottom air motor casting as shown in Figure 2. Tighten the sensor clamp set screws.
4. Use the cable ties to secure the sensor (7) and cable (3) to the air motor tie rod (1)

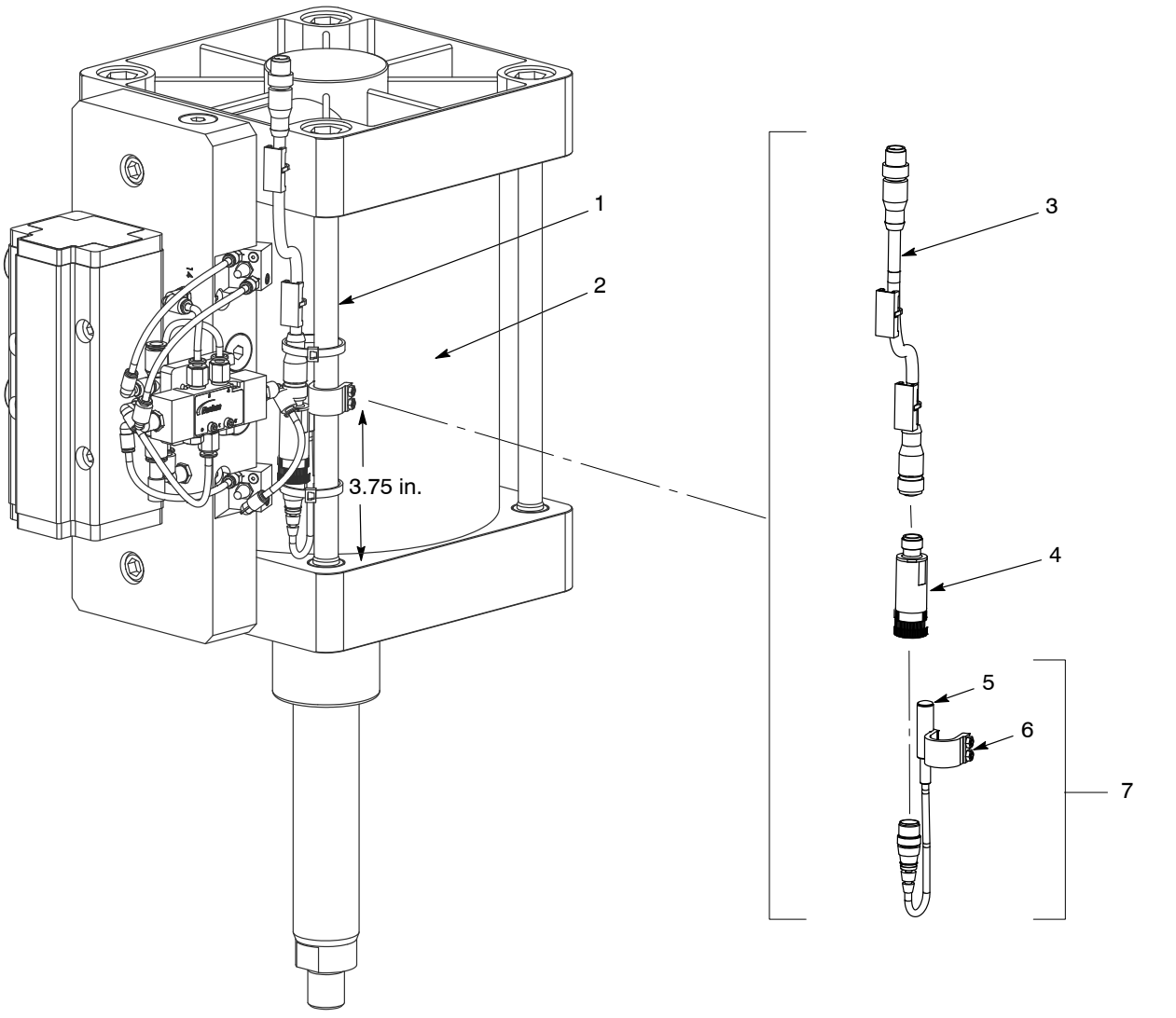

Figure 2 PCI Runaway Sensor Repair

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Parts

To order parts, call the Nordson Industrial Coating Customer Support Center at (800) 433−9319 or contact your local Nordson representative.

PCI Runaway Sensor

See Figure 3 and refer to the following parts list.

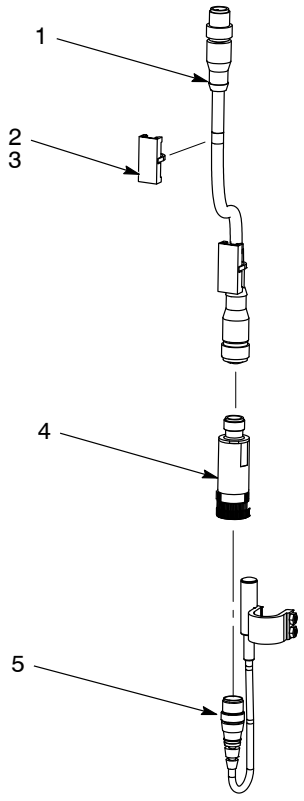

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Figure 3 PCI Runaway Sensor

Item	Part	Description	Quantity	Note
—	1612408	MODULE, runaway, sensor, magnet, 24 V, hybrid	1	
1	1612627	• CABLE, 4-pin, micro DC, 4 m, male/female, 18 AWG	1	
2	939110	• CABLE TIE, 3.9 in., 185 F/85 C, nylon, natural	2	
3	------	• LABEL, cable, proximity switch, pump stroke, SD3	2	
4	1097932	• TIMER DELAY, on/off, M 12 x 1, 10−30 Vdc	1	
5	1609985	• SENSOR SWITCH, magnetic, 24 V, 160/200 mm cyl	1	
NS	324289	• STRAP, cable, 0.06−4.00, black	2	
NS: Not Shown				

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