



## Product/Process Change Notification

<b>PCN Number:</b>	100029-C	<b>Product Category:</b>	Inker Hardware	<b>Issue Date:</b>	7-Nov-2018
<b>Contact:</b>	Inside Sales	E-Mail: insidesales@xandex.com			
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<b>Description of Change to Customer:</b>					
The 12VDC solenoid used in Xandex DieMark filament ink cartridge holders and hardware will be manufactured internally by Xandex rather than purchased from an outside supplier.					
<b>Reason For Change:</b>					
Supplier discontinued manufacturing the Xandex solenoid.					
<b>Customer Impact of Change and Recommended Action:</b>					
The Xandex solenoid results in the time to reach full stroke being reduced by ~0.5ms (7%). Customers are advised to verify that dot performance is not affected. During reliability testing, a problem was identified that can lead to premature failure of the actuator assembly. To prevent this failure, a change is required to the plunger. The revised plunger assures that stroke will be limited by the cartridge components as intended by the design. The new solenoid is compatible only with the revised plunger and is not compatible with previous versions of the plunger.					
<b>Forecasted Key Milestones:</b> Subject to change based on business conditions					<b>Date:</b>
<b>Complete Internal Qualification Testing</b>					16-Jan-19
<b>Samples Available To Order</b>					8-Jan-19
<b>First Shipment of Changed Product</b> (as early as)					6-Feb-19
<b>Last Shipment of Unchanged Product</b> (subject to material availability)					1-Jun-19
<b>Method of Identifying Changed Product:</b>					
Solenoid wire color changed from solid black to solid blue. The revised plunger has an identification mark; previous versions do not have an identification mark (see sheet 2).					
<b>Assessment:</b>					
Solenoid manufacturer and manufacturing location change; plunger form change.					
<b>Products and Xandex Part Numbers Affected</b>					
See appendix for specific part numbers.					
Note: Part number 110-0301 is being replaced by the specific plunger assembly configured for your application. If you need to purchase a replacement for part number 110-0301, please contact Xandex Sales.					
<b>Revision History</b>					
<b>Date of Revision:</b>	<b>Revision Letter:</b>	<b>Reason:</b>			
5-Nov-18	A	Initial publication			
17-Dec-18	B	Removed 6 obsolete assemblies and updated replacement part number.			
22-Mar-19	C	Updated with results of reliability study			

Please contact your Xandex sales representative for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.

### PCN 100029 Appendix: Qualification Testing

Test	Result
Design Verification Testing	Passed
Ink Dot Testing	Passed
Reliability Testing	*Passed

\*with modifications



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### Appendix: Parts & Sets affected by PCN 100029

Part Number	Description
110-0301	12V Potted Assy (see note on page 1)
210-0200	Actuator 12Z6
210-0201	Actuator 12A6
210-0202	Actuator 12B6
210-0203	Actuator 12C6
210-0204	Actuator 12D6
210-0205	Actuator 12E6
210-0206	Actuator 12F6
210-1200	Actuator 12Z7
210-1201	Actuator 12A7
210-1202	Actuator 12B7
210-1204	Actuator 12D7
210-1205	Actuator 12E7
210-1206	Actuator 12F7
310-1111	Holder H1-12A6
310-1112	Holder H1-12A7

Part Number	Description
310-1132	Holder H1-12C7
310-1192	Holder H1-12Z7
310-2111	Holder H2-12A6
310-2112	Holder H2-12A7
310-2191	Assy Holder H2-12Z6
310-2192	Assy Holder H2-12Z6 RHPS
310-3112	Holder H3-12A7
310-3125	Holder H3-12B7
310-4141	Holder H4-12D6
310-6112	Holder H6-12A7
310-6192	Holder H6-12Z7
310-7152	Holder H6-12E7
314-0010	Holder H14-12A7
314-0011	Assy Holder H16-12Z6
314-0015	Holder H1-12A7 30in Leads

