



Product/Process Change Notification

PCN Number:	100028-E	Product Category:	Inker Hardware	Issue Date:	31-Aug-2018
Contact:	Inside Sales		E-Mail: insidesales@xandex.com		
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Description of Change to Customer:					
The 24VDC solenoid used in Xandex DieMark filament ink cartridge holders and hardware will be manufactured internally by Xandex rather than purchased from an outside supplier.					
Reason For Change:					
Supplier discontinued manufacturing the Xandex solenoid.					
Customer Impact of Change and Recommended Action:					
The Xandex solenoid results in the time to reach full stroke being reduced by ~1ms (10%). 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.					
Forecasted Key Milestones: Subject to change based on business conditions				Date:	
Complete Internal Qualification Testing				Complete	
Samples Available To Order				22-Oct-18	
First Shipment of Changed Product (as early as)				3-Dec-18	
Last Shipment of Unchanged Product (subject to material availability)				1-Mar-19	
Method of Identifying Changed Product:					
Solenoid wire color changed from solid white to solid yellow. The revised plunger has an identification mark; previous versions do not have an identification mark (see sheet 2).					
Assessment:					
Solenoid manufacturer and manufacturing location change; plunger form change.					
Products and Xandex Part Numbers Affected					
See appendix for specific part numbers.					
Note: Part number 110-0302 is being replaced by the specific plunger assembly configured for your application. If you need to purchase a replacement for part number 110-0302, please contact Xandex Sales.					
Revision History					
Date of Revision:	Revision Letter:	Reason:			
22-Aug-18	A	Initial publication			
30-Oct-18	B	Added method of identifying changed products and part number change.			
21-Nov-18	C	Removed 3 end of life products and updated qualification testing status.			
17-Dec-18	D	Removed 3 end of life products and updated qualification testing status.			
22-Mar-19	E	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 100028 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 100028

Part Number	Description
110-0302	24V Potted Assy (see note on page 1)
210-0210	Actuator 24Z6
210-0211	Actuator 24A6
210-0212	Actuator 24B6
210-0213	Actuator 24C6
210-0215	Actuator 24E6
210-0216	Actuator 24F6
210-1210	Actuator 24Z7
210-1211	Actuator 24A7
210-1213	Actuator 24C7
210-1214	Actuator 24D7
210-1215	Actuator 24E7
210-1216	Actuator 24F7
210-1224	CSP-Actuator 24D7
210-3222	Actuator 24B7
310-1211	Holder H1-24A6
310-1212	Holder H1-24A7
310-1222	Holder H1-24B7
310-1232	Holder H1-24C7
310-1292	Holder H1-24Z7
310-2211	Holder H2-24A6
310-2212	Holder H2-24A7
310-2232	Holder H2-24C7
310-2262	Holder H2-24F7
310-2291	Holder H2-24Z6
310-2292	Holder H2-24Z7
310-2293	Holder H2-24Z6 RHPS
310-3212	Holder H3-24A7

Part Number	Description
310-3222	Holder H3-24B7
310-4212	Holder H4-24A7
310-5212	Holder H5-24A7
310-6212	Holder H6-24A7
310-6292	Holder H6-24Z7
310-7212	Holder H7-24A7
310-7262	Holder H7-24F7
310-9242	Holder H9-24D7
311-3221	Holder H3-24B6 w/Plunger Adj
314-0002	Holder H11-24A7
314-0006	Holder H14-24A7
314-0012	Holder H16-24Z6
314-0022	CSP-Holder H16-24Z7
330-0011	CSP Inker Mag Base 24A7
330-0101	Set-Inker EG 101
330-0106	Set-Inker LT 106
330-0201	Set-Inker EG 201
330-0301	Set-Inker EG 301
330-1103	Set-Inker KLA 103
330-1303	Set-Inker KLA 303
330-2102	Set-Inker PWS 102
330-2302	Set-Inker PWS 302
330-3104	Set-Inker TSK 104
330-9400	Set-Inker Teradyne 400

