

Light is OSRAM

15.09.2017

## OS-IN-2017-036

### Customer failure catalog update of the TiO<sub>2</sub> creeping criteria for OSRON Black Flat family

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<b>Objective</b>	Customer failure catalog update of the TiO <sub>2</sub> creeping criteria for OSRON Black Flat family
<b>Products affected</b>	KW H2L531.TE, KW H3L531.TE, KW H4L531.TE, KW H5L531.TE
<b>Background</b>	To specify detection limit for automatic visual inspection
<b>Realization</b>	<p><u>Current criteria based on manual inspection:</u> No TiO<sub>2</sub> creep is allowed to creep on the shutter line location</p> <p><u>Updated criteria based on automatic inspection:</u> To propose change criteria: Reject if TiO<sub>2</sub> creep at shutter line with width &gt; 0.2mm and length &gt; 0.2mm</p>
<b>Time Schedule</b>	Customer failure Catalog available
<b>Assessment</b>	Fit, form, function and reliability of LED is not affected.

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**Please direct your inquiry to your local Sales office.**

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## *Products Affected by Information Notification*

**Number:** OS-IN-2017-036

**Name:** Customer Failure Catalog Update of the TiO2 Creeping Criteria for OSLO Black Flat Family

**Release Date:** 9/15/2017

**Implementation Date:** 9/15/2017

<i>Product</i>	<i>QNumber</i>	<i>QNumber Description</i>	<i>Part Number</i>	
KW H2L531.TE	Q65111A3994	KW H2L531.TE-6P5Q-ebvF46fcbB46-1	KW H2L531.TE-6P5Q-ebvF46fcbB46-1	
	Q65111A4740	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-ZK	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-ZK	
	Q65111A5669	KW H2L531.TE-7P5Q-ebxD46ebzB46-1	KW H2L531.TE-7P5Q-ebxD46ebzB46-1	
	Q65111A6281	KW H2L531.TE-7P5Q-ebxB46fcbB46-1-VL	KW H2L531.TE-7P5Q-ebxB46fcbB46-1-VL	
	Q65111A6399	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-AL	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-AL	
	Q65111A6591	KW H2L531.TE-6P5Q-ebvF46ebxD46-1-ZK	KW H2L531.TE-6P5Q-ebvF46ebxD46-1-ZK	
	Q65111A7083	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A-	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A-	
	Q65111A8084	KW H2L531.TE-7P5Q-EBXD46-1-KO	KW H2L531.TE-7P5Q-EBXD46-1-KO	
	Q65111A8110	KW H2L531.TE-6P5Q-EBVF46FCBB46-PA	KW H2L531.TE-6P5Q-EBVF46FCBB46-PA	
	Q65111A8143	KW H2L531.TE-6P5Q-EBXD46FCBB46-1-V	KW H2L531.TE-6P5Q-EBXD46FCBB46-1-V	
	Q65111A8317	KW H2L531.TE-7P6Q-EBXD46EBZB46-1A-	KW H2L531.TE-7P6Q-EBXD46EBZB46-1A-	
	Q65111A8372	KW H2L531.TE-8P5Q-EBXD46EBZB46-1A	KW H2L531.TE-8P5Q-EBXD46EBZB46-1A	
	Q65111A8630	KW H2L531.TE-7P5Q-EBXD46EBZB46-PA	KW H2L531.TE-7P5Q-EBXD46EBZB46-PA	
	Q65111A8631	KW H2L531.TE-6P5Q-EBZB46FCBB46-1A	KW H2L531.TE-6P5Q-EBZB46FCBB46-1A	
	Q65111A8847	KW H2L531.TE-7P5Q-EBXD46-1-XX	KW H2L531.TE-7P5Q-EBXD46-1-XX	
	Q65111A9050	KW H2L531.TE-7P5Q-EBXD46-1-LM	KW H2L531.TE-7P5Q-EBXD46-1-LM	
	Q65111A9457	KW H2L531.TE-7P8P-EBZB46FCBB46-PA	KW H2L531.TE-7P8P-EBZB46FCBB46-PA	
	Q65111A9795	KW H2L531.TE-7P8P-U7U8-PAMA-HAN	KW H2L531.TE-7P8P-U7U8-PAMA-HAN	
	Q65111A9995	KW H2L531.TE-8P-EBXD46EBZB46-1AMA-	KW H2L531.TE-8P-EBXD46EBZB46-1AMA-	
	Q65112A0101	KW H2L531.TE-7P8P-EBXD46EBZB46-PA1	KW H2L531.TE-7P8P-EBXD46EBZB46-PA1	
	Q65112A0258	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A	
	Q65112A0364	KW H2L531.TE-7P5Q-EBZB46FCBB46-1A	KW H2L531.TE-7P5Q-EBZB46FCBB46-1A	
	Q65112A0376	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A	
	Q65112A0658	KW H2L531.TE-7P8P-EBXD46EBZB46-1A	KW H2L531.TE-7P8P-EBXD46EBZB46-1A	
	Q65112A0699	KW H2L531.TE-8P7Q-EBXD46EBZB46-PA	KW H2L531.TE-8P7Q-EBXD46EBZB46-PA	
	Q65112A0922	KW H2L531.TE-7P8P-EBXD46EBZB46-PA	KW H2L531.TE-7P8P-EBXD46EBZB46-PA	
	Q65112A1570	KW H2L531.TE-7P5Q-EBZB46-1ABA-XX	KW H2L531.TE-7P5Q-EBZB46-1ABA-XX	
	Q65112A1806	KW H2L531.TE-8P5Q-EBXD46EBZB46-PA	KW H2L531.TE-8P5Q-EBXD46EBZB46-PA	
	Q65112A1807	KW H2L531.TE-7P5Q-EBXD46EBZB46-PA	KW H2L531.TE-7P5Q-EBXD46EBZB46-PA	
	Q65112A1808	KW H2L531.TE-7P5Q-EBXD46FCBB46-PA	KW H2L531.TE-7P5Q-EBXD46FCBB46-PA	
	Q65112A1961	KW H2L531.TE-6P5Q-EBXD46EBZB46-PA	KW H2L531.TE-6P5Q-EBXD46EBZB46-PA	
	Q65112A1991	KW H2L531.TE-8P6Q-FCBB46-PABA-KO	KW H2L531.TE-8P6Q-FCBB46-PABA-KO	
	Q65112A1992	KW H2L531.TE-8P5Q-EBXD46-PABA-KO	KW H2L531.TE-8P5Q-EBXD46-PABA-KO	
	Q65112A1993	KW H2L531.TE-8P6Q-EBXD46EBZB46-PA	KW H2L531.TE-8P6Q-EBXD46EBZB46-PA	
	Q65112A2006	KW H2L531.TE-7P8P-U8-PAMA-HAN	KW H2L531.TE-7P8P-U8-PAMA-HAN	
	Q65112A2007	KW H2L531.TE-7P8P-U7-PAMA-HAN	KW H2L531.TE-7P8P-U7-PAMA-HAN	
	Q65112A2108	KW H2L531.TE-8P5Q-EBXD46EBZB46-PA	KW H2L531.TE-8P5Q-EBXD46EBZB46-PA	
	Q65112A2239	KW H2L531.TE-7P5Q-EBXD46FCBB46-1A	KW H2L531.TE-7P5Q-EBXD46FCBB46-1A	
	KW H3L531.TE	Q65111A4716	KW H3L531.TE-6Q5R-ebvF46fcbB46-1	KW H3L531.TE-6Q5R-ebvF46fcbB46-1
		Q65111A6456	KW H3L531.TE-6Q8Q-ebxD46ebzB46-1-AL	KW H3L531.TE-6Q8Q-ebxD46ebzB46-1-AL

<i>Product</i>	<i>QNumber</i>	<i>QNumber Description</i>	<i>Part Number</i>	
KW H3L531.TE	Q65111A6512	KW H3L531.TE-6Q6R-ebxD46ebzB46-1	KW H3L531.TE-6Q6R-ebxD46ebzB46-1	
	Q65111A6590	KW H3L531.TE-6Q8Q-ebvF46ebxD46-1-ZK	KW H3L531.TE-6Q8Q-ebvF46ebxD46-1-ZK	
	Q65111A6990	KW H3L531.TE-6Q5R-ebxD46ebzB46-1-VL	KW H3L531.TE-6Q5R-ebxD46ebzB46-1-VL	
	Q65111A7082	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF-	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF-	
	Q65111A7153	KW H3L531.TE-7Q5R-EBVF46EBXD46-UF	KW H3L531.TE-7Q5R-EBVF46EBXD46-UF	
	Q65111A7223	KW H3L531.TE-Q78Q-EBXD46EBZB46-UF-	KW H3L531.TE-Q78Q-EBXD46EBZB46-UF-	
	Q65111A7224	KW H3L531.TE-Q68Q-EBXD46EBZB46-UF	KW H3L531.TE-Q68Q-EBXD46EBZB46-UF	
	Q65111A7409	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF	
	Q65111A7764	KW H3L531.TE-7Q5R-EBVF46FCBB46-1-X	KW H3L531.TE-7Q5R-EBVF46FCBB46-1-X	
	Q65111A8376	KW H3L531.TE-8Q6R-EBXD46EBZB46-UF	KW H3L531.TE-8Q6R-EBXD46EBZB46-UF	
	Q65111A8523	KW H3L531.TE-7Q5R-EBXD46EBZB46-1-X	KW H3L531.TE-7Q5R-EBXD46EBZB46-1-X	
	Q65111A8629	KW H3L531.TE-Q66R-EBXD46EBZB46-DF	KW H3L531.TE-Q66R-EBXD46EBZB46-DF	
	Q65111A8765	KW H3L531.TE-7Q5R-EBZB46FCBB46-DF	KW H3L531.TE-7Q5R-EBZB46FCBB46-DF	
	Q65111A9049	KW H3L531.TE-7Q5R-EBXD46-1-LM	KW H3L531.TE-7Q5R-EBXD46-1-LM	
	Q65111A9456	KW H3L531.TE-Q75R-EBZB46FCBB46-DF	KW H3L531.TE-Q75R-EBZB46FCBB46-DF	
	Q65111A9709	KW H3L531.TE-Q68Q-EBZB46FCBB46-DF	KW H3L531.TE-Q68Q-EBZB46FCBB46-DF	
	Q65111A9710	KW H3L531.TE-7Q5R-EBXD46FCBB46-DF	KW H3L531.TE-7Q5R-EBXD46FCBB46-DF	
	Q65111A9964	KW H3L531.TE-7Q5R-EBXD46-DFYF-VAR	KW H3L531.TE-7Q5R-EBXD46-DFYF-VAR	
	Q65111A9994	KW H3L531.TE-8Q-EBXD46EBZB46-UFYF-	KW H3L531.TE-8Q-EBXD46EBZB46-UFYF-	
	Q65112A0099	KW H3L531.TE-Q78Q-EBXD46-DFYF-VL	KW H3L531.TE-Q78Q-EBXD46-DFYF-VL	
	Q65112A0100	KW H3L531.TE-7Q5R-EBXD46-DFGF-LM	KW H3L531.TE-7Q5R-EBXD46-DFGF-LM	
	Q65112A0294	KW H3L531.TE-7Q5R-EBXD46-DFYF-XX	KW H3L531.TE-7Q5R-EBXD46-DFYF-XX	
	Q65112A0363	KW H3L531.TE-Q68Q-EBXD46EBZB46-DF	KW H3L531.TE-Q68Q-EBXD46EBZB46-DF	
	Q65112A0375	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF	
	Q65112A1163	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	
	Q65112A1488	KW H3L531.TE-Q78Q-EBXD46EBZB46-DF	KW H3L531.TE-Q78Q-EBXD46EBZB46-DF	
	Q65112A1803	KW H3L531.TE-Q78Q-EBXD46FCBB46-DF	KW H3L531.TE-Q78Q-EBXD46FCBB46-DF	
	Q65112A1804	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	
	Q65112A1805	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF	KW H3L531.TE-7Q5R-EBXD46EBZB46-UF	
	Q65112A1869	KW H3L531.TE-Q75RF-EBVF46FCBB46-D	KW H3L531.TE-Q75RF-EBVF46FCBB46-D	
	Q65112A1958	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	
	Q65112A1960	KW H3L531.TE-7Q-EBXD46EBZB46-DFYF-	KW H3L531.TE-7Q-EBXD46EBZB46-DFYF-	
	Q65112A2008	KW H3L531.TE-Q78Q-EBZB46FCBB46-DF	KW H3L531.TE-Q78Q-EBZB46FCBB46-DF	
	Q65112A2050	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	KW H3L531.TE-7Q5R-EBXD46EBZB46-DF	
	Q65112A2079	KW H3L531.TE-7Q5R-FCBB46-DFYF-LM	KW H3L531.TE-7Q5R-FCBB46-LM	
	Q65112A2234	KW H3L531.TE-7Q5R-EBVF46EBXD46-DF	KW H3L531.TE-7Q5R-EBVF46EBXD46-DF	
	Q65112A2306	KW H3L531.TE-8Q5R-EBXD46EBZB46-DF	KW H3L531.TE-8Q5R-EBXD46EBZB46-DF	
	KW H4L531.TE	Q65111A4717	KW H4L531.TE-8Q7R-ebvF46fcbB46-1	KW H4L531.TE-8Q7R-ebvF46fcbB46-1
		Q65111A6401	KW H4L531.TE-R58R-ebxD46ebzB46-QLM	KW H4L531.TE-R58R-ebxD46ebzB46-QLM
		Q65111A6511	KW H4L531.TE-8Q8R-ebxD46ebzB46-1	KW H4L531.TE-8Q8R-ebxD46ebzB46-1
Q65111A6621		KW H4L531.TE-5R8R-ebxD46ebzB46-1-ZK	KW H4L531.TE-5R8R-ebxD46ebzB46-1-ZK	
Q65111A6710		KW H4L531.TE-5R7R-ebxD46ebzB46-1-AL	KW H4L531.TE-5R7R-ebxD46ebzB46-1-AL	
Q65111A7697		KW H4L531.TE-5R7R-EBXD46EBZB46-1-X	KW H4L531.TE-5R7R-EBXD46EBZB46-1-X	
Q65111A8277		KW H4L531.TE-5R7R-EBX46EBZB46-QLZL	KW H4L531.TE-5R7R-EBX46EBZB46-QLZL	
Q65111A8375		KW H4L531.TE-6R8R-EBVF46FCBB46-QL	KW H4L531.TE-6R8R-EBVF46FCBB46-QL	
Q65111A8522		KW H4L531.TE-6R8R-EBXD46EBZB46-QL	KW H4L531.TE-6R8R-EBXD46EBZB46-QL	
Q65111A9707		KW H4L531.TE-8Q7R-EBZB46FCBB46-4LZ	KW H4L531.TE-8Q7R-EBZB46FCBB46-4LZ	
Q65111A9708		KW H4L531.TE-6R5S-EBXD46EBZB46-4LZ	KW H4L531.TE-6R5S-EBXD46EBZB46-4LZ	
Q65111A9993		KW H4L531.TE-6R-EBXD46EBZB46-QLZL-	KW H4L531.TE-6R-EBXD46EBZB46-QLZL-	

<i>Product</i>	<i>QNumber</i>	<i>QNumber Description</i>	<i>Part Number</i>
KW H4L531.TE	Q65112A0503	KW H4L531.TE-5R7R-EBZB46FCBB46-4L	KW H4L531.TE-5R7R-EBZB46FCBB46-4L
	Q65112A0692	KW H4L531.TE-5R7R-EBVF46FCBB46-4LZ	KW H4L531.TE-5R7R-EBVF46FCBB46-4LZ
	Q65112A1215	KW H4L531.TE-6R8R-EBZB46FCBB46-4LZ	KW H4L531.TE-6R8R-EBZB46FCBB46-4LZ
	Q65112A1537	KW H4L531.TE-5R7R-EBXD46EBZB46-4LZ	KW H4L531.TE-5R7R-EBXD46EBZB46-4LZ
	Q65112A1837	KW H4L531.TE-5R8R-EBXD46EBZB46-4LZ	KW H4L531.TE-5R8R-EBXD46EBZB46-4LZ
	Q65112A1866	KW H4L531.TE-5R7R-EBVF46FCBB46-4L	KW H4L531.TE-5R7R-EBVF46FCBB46-4L
	Q65112A1957	KW H4L531.TE-5R6R-EBXD46EBZB46-4LZ	KW H4L531.TE-5R6R-EBXD46EBZB46-4LZ
	Q65112A1959	KW H4L531.TE-5R-EBXD46EBZB46-4LZL-	KW H4L531.TE-5R-EBXD46EBZB46-4LZL-
	Q65112A2049	KW H4L531.TE-R67R-EBXD46EBZB46-4LZ	KW H4L531.TE-R67R-EBXD46EBZB46-4LZ
	Q65112A2225	KW H4L531.TE-6R8R-EBXD46EBZB46-4LZ	KW H4L531.TE-6R8R-EBXD46EBZB46-4LZ
	Q65112A2235	KW H4L531.TE-5R7R-FCBB46-4LZL-VAR	KW H4L531.TE-5R7R-FCBB46-4LZL-VAR
KW H5L531.TE	Q65111A4715	KW H5L531.TE-6R5S-ebvF46fcbB46-1	KW H5L531.TE-6R5S-ebvF46fcbB46-1
	Q65111A6510	KW H5L531.TE-6R6S-ebxD46ebzB46-1	KW H5L531.TE-6R6S-ebxD46ebzB46-1
	Q65111A6614	KW H5L531.TE-7R6S-ebxD46ebzB46-1-ZK	KW H5L531.TE-7R6S-ebxD46ebzB46-1-ZK
	Q65111A6709	KW H5L531.TE-7R5S-ebxD46ebzB46-1-AL	KW H5L531.TE-7R5S-ebxD46ebzB46-1-AL
	Q65111A7735	KW H5L531.TE-7R5S-EBXD46EBZB46-KR-	KW H5L531.TE-7R5S-EBXD46EBZB46-KR-
	Q65111A8273	KW H5L531.TE-7R5S-EBXD46EBZB46-KR	KW H5L531.TE-7R5S-EBXD46EBZB46-KR
	Q65111A8371	KW H5L531.TE-8R6S-EBXD46EBZB46-KR-	KW H5L531.TE-8R6S-EBXD46EBZB46-KR-
	Q65112A0098	KW H5L531.TE-8R6S-EBXD46EBZB46-KR	KW H5L531.TE-8R6S-EBXD46EBZB46-KR
	Q65112A1216	KW H5L531.TE-8R7S-EBXD46EBZB46-RS	KW H5L531.TE-8R7S-EBXD46EBZB46-RS
	Q65112A1489	KW H5L531.TE-7R5S-EBXD46EBZB46-RS	KW H5L531.TE-7R5S-EBXD46EBZB46-RS
	Q65112A1867	KW H5L531.TE-7R6S-EBVF46FCBB46-RS	KW H5L531.TE-7R6S-EBVF46FCBB46-RS
	Q65112A1956	KW H5L531.TE-7R5S-EBXD46EBZB46-RS	KW H5L531.TE-7R5S-EBXD46EBZB46-RS
	Q65112A2048	KW H5L531.TE-7RF5SF-EBXD46EBZB46-	KW H5L531.TE-7RF5SF-EBXD46EBZB46-L
	Q65112A2307	KW H5L531.TE-7R5S-FCBB46-RS5R-VAR	KW H5L531.TE-7R5S-FCBB46-RS5R-VAR

Affected QNO	Affected QNbrDesc	Affected QNbrDesc_Z1
Q65111A3994	KW H2L531.TE-6P5Q-ebvF46fcbB46-1	KW H2L531.TE-6P5Q-ebvF46fcbB46-1
Q65111A4740	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-ZKW	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-ZKW
Q65111A5669	KW H2L531.TE-7P5Q-ebxD46ebzB46-1	KW H2L531.TE-7P5Q-ebxD46ebzB46-1
Q65111A6281	KW H2L531.TE-7P5Q-ebxD46fcbB46-1-VL	KW H2L531.TE-7P5Q-ebxD46fcbB46-1-VL
Q65111A6399	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-AL	KW H2L531.TE-7P5Q-ebxD46ebzB46-1-AL
Q65111A6591	KW H2L531.TE-6P5Q-ebvF46ebxD46-1-ZKW	KW H2L531.TE-6P5Q-ebvF46ebxD46-1-ZKW
Q65111A7083	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A-HE	KW H2L531.TE-7P5Q-EBXD46EBZB46-1A-HE
Q65111A8084	KW H2L531.TE-7P5Q-EBXD46-1-KO	KW H2L531.TE-7P5Q-EBXD46-1-KO
Q65111A8110	KW H2L531.TE-6P5Q-EBVF46FCBB46-PAMA	KW H2L531.TE-6P5Q-EBVF46FCBB46-PAMA
Q65111A8143	KW H2L531.TE-6P5Q-EBXD46FCBB46-1-VL	KW H2L531.TE-6P5Q-EBXD46FCBB46-1-VL
Q65111A8317	KW H2L531.TE-7P6Q-EBXD46EBZB46-1A-HE	KW H2L531.TE-7P6Q-EBXD46EBZB46-1A-HE
Q65111A8372	KW H2L531.TE-8P5Q-EBXD46EBZB46-1AMA-AL	KW H2L531.TE-8P5Q-EBXD46EBZB46-1AMA-AL
Q65111A8630	KW H2L531.TE-7P5Q-EBXD46EBZB46-PABA-ZKW	KW H2L531.TE-7P5Q-EBXD46EBZB46-PABA-ZKW
Q65111A8631	KW H2L531.TE-6P5Q-EBZB46FCBB46-1AMA-VAR	KW H2L531.TE-6P5Q-EBZB46FCBB46-1AMA-VAR
Q65111A8847	KW H2L531.TE-7P5Q-EBXD46-1-XX	KW H2L531.TE-7P5Q-EBXD46-1-XX
Q65111A9050	KW H2L531.TE-7P5Q-EBXD46-1-LM	KW H2L531.TE-7P5Q-EBXD46-1-LM
Q65111A9457	KW H2L531.TE-7P8P-EBZB46FCBB46-PAMA-VL	KW H2L531.TE-7P8P-EBZB46FCBB46-PAMA-VL
Q65111A9795	KW H2L531.TE-7P8P-U7U8-PAMA-HAN	KW H2L531.TE-7P8P-U7U8-PAMA-HAN
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Q65112A0258	KW H2L531.TE-7P5Q-EBXD46EBZB46-1AMA-NAL	KW H2L531.TE-7P5Q-EBXD46EBZB46-1AMA-NAL
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Q65112A1993	KW H2L531.TE-8P6Q-EBXD46EBZB46-PABA-KO	KW H2L531.TE-8P6Q-EBXD46EBZB46-PABA-KO
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