

PRODUCT ADVISORY NOTICE

KEEPING YOU INFORMED OF PRODUCT CHANGES

To: All Customers, Sales Representatives and Distributors

Date: 5/13/16

Subject: Change to shaft material for select 55/56 Series Rotary Switches

Description of Change

This Product Advisory Notice is to alert you that Grayhill is changing the shaft material on select Series 55/56 rotary switches from die-cast zinc to cold-headed stainless steel.

Reason for Change

This change is considered a product improvement. The new material has proven to be stronger and provide a higher quality finish at the operating end. This brings the shaft for the 55/56 Series in line with the shaft on the 50/51 Series.

Effective Date

Switches with the stainless steel shaft will begin shipping June 20, 2016.

Price Impact

There is no change to the prices of the part numbers shown.

Part Numbers Affected

See attached.

Action Required

The test report summary is attached. Because parts built with the new material meet the same specifications and are form, fit and functional equivalents, no action is required. If you have any questions, please contact your Grayhill sales associate. If you are not the proper person in your organization to evaluate this change, please forward this Product Advisory Notice to the correct person.



55A30-01-1-04N	55P30-01-4-03N	56A30-01-1-02N	56A36-01-1-04N	56BD30-01-1-AJN	56BS30-01-1-08N
55A30-01-1-05N	55P30-01A12N	56A30-01-1-02S	56A36-01-1-04S	56BD30-01-1-AJS	56BS30-01-1-09N
55A30-01-1-07N	55P30-01A12S	56A30-01-1-03N	56A36-01-1-05N	56BD30-01-2-AJN	56BS30-01-1-10N
55A30-01-2-04N	55P30-01B12N	56A30-01-1-03S	56A36-01-1-05S	56BD30-01-2-AJS	56BS30-01-1-11N
55A30-01-2-06N	55P36-01-1-03N	56A30-01-1-04N	56A36-01-1-06N	56BD30-01-4-AJN	56BS30-01-2-02N
55A30-01-2-06S	55P36-01-1-04N	56A30-01-1-05N	56A36-01-1-06S	56BD30-01-4-AJS	56BS30-01-2-02S
55A30-01-4-03N	55P36-01-1-06N	56A30-01-1-06N	56A36-01-1-07N	56BDP30-01PAJN	56BS30-01-2-05S
55A30-01B12N	55P36-01-1-08N	56A30-01-1-06S	56A36-01-1-08N	56BDP30-01PAJS	56BS30-01-2-06N
55A36-01-1-08N	55P36-01-1-09N	56A30-01-1-07N	56A36-01-1-08S	56BDP30-01QAJN	56BS30-01-4-02N
55A36-01-2-02N	55P36-01-2-03N	56A30-01-1-07S	56A36-01-1-09N	56BDP30-01QAJS	56BS30-01-4-02S
55A36-01-2-03N	55P36-01-2-04N	56A30-01-1-08N	56A36-01-2-02N	56BDP30-01SAJN	56BS30-01-4-03N
55A36-01-2-04N	55P36-01-2-05N	56A30-01-1-08S	56A36-01-2-02S	56BDP30-01SAJS	56BS30-01A12N
55BD30-01-1-AJN	55P36-01A10N	56A30-01-1-09N	56A36-01-2-03N	56BP30-01-1-02N	56BS30-01B12N
55BP30-01-1-11N	55P36-01B10N	56A30-01-1-10N	56A36-01-2-03S	56BP30-01-1-02S	56BS36-01B10N
55D30-01-1-AJN	55S30-01-1-04N	56A30-01-1-10S	56A36-01-2-04N	56BP30-01-1-03N	56BSD30-01PAJN
55D30-01-1-AJS	55S30-01-2-06N	56A30-01-1-11N	56A36-01-2-04S	56BP30-01-1-04N	56BSD30-01PAJS
55D30-01-2-AJN	55S36-01-2-03N	56A30-01-1-11S	56A36-01-2-05N	56BP30-01-1-06N	56BSD30-01QAJN
55D30-01-2-AJS	55SD30-01-1-AJN	56A30-01-2-02N	56A36-01-2-05S	56BP30-01-1-07N	56BSD30-01QAJS
55D30-01-4-AJN	55SD30-01-2-AJN	56A30-01-2-02S	56A36-01A10N	56BP30-01-1-08N	56BSD30-01SAJN
55D30-01-4-AJS	55SD36-01-1-AJN	56A30-01-2-03N	56A36-01A10S	56BP30-01-1-10N	56BSD30-01SAJS
55D36-01-1-AJN	55SD36-01-2-AJN	56A30-01-2-03S	56A36-01B10N	56BP30-01-1-10S	56BSDP30-01PAJN
55D36-01-1-AJS	55SDP30-01PAJN	56A30-01-2-04N	56A36-01B10S	56BP30-01-2-02N	56BSDP30-01PAJS
55D36-01-2-AJN	55SDP30-01PAJS	56A30-01-2-05N	56AY2100-031N	56BP30-01-2-02S	56BSDP30-01QAJN
55D36-01-2-AJS	55SDP30-01QAJN	56A30-01-2-05S	56AY3020-031N	56BP30-01-2-03N	56BSDP30-01QAJS
55DP30-01-1-AJN	55SDP30-01QAJS	56A30-01-2-06N	56AY3120-001N	56BP30-01-2-06N	56BSDP30-01SAJN
55DP30-01-1-AJS	55SDP30-01SAJN	56A30-01-2-06S	56AY3121-032N	56BP30-01-2-06S	56BSDP30-01SAJS
55DP30-01-2-AJN	55SDP36-01PAJN	56A30-01-4-02N	56B30-01-1-02N	56BP30-01-4-02N	56BSP30-01A12N
55DP30-01-4-AJN	55SDP36-01QAJN	56A30-01-4-02S	56B30-01-1-02S	56BP30-01-4-02S	56BSP30-01B02N
55DP36-01-1-AJN	55SP30-01-1-06N	56A30-01-4-03N	56B30-01-1-03N	56BP30-01-4-03N	56BSP30-01B02S
55DP36-01-2-AJN	55SP30-01-1-07N	56A30-01-4-03S	56B30-01-1-04N	56BP30-01-4-03S	56BSP30-01B03N
55DP36-01-2-AJS	55SP30-01-1-08N	56A30-01A10N	56B30-01-1-05N	56BP30-01A12N	56BSP30-01B04N
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55P30-01-2-06S	55SP36-01A10N	56A36-01-1-02S	56B30-01-4-02S	56BS30-01-1-05N	56BSP30-01C02S
55P30-01-4-02N		56A36-01-1-03N	56B30-01-4-03N	56BS30-01-1-06N	56BSP30-01C03N
55P30-01-4-02S		56A36-01-1-03S	56B30-01A12N	56BS30-01-1-07N	56BSP30-01C05S
			56B30-01B12N		



56BSP30-01C06N	56P30-01-1-11S	56P36-01A10N	56S36-01-1-03S	56SDP36-01PAJN	56SP30-01B12S
56BSP30-01E02N	56P30-01-2-03N	56P36-01A10S	56S36-01-1-04N	56SDP36-01PAJS	56SP36-01-1-02N
56BSP30-01E02S	56P30-01-2-03S	56P36-01B10N	56S36-01-1-04S	56SDP36-01QAJN	56SP36-01-1-02S
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56D30-01-1-AJS	56P30-01-2-05N	56S30-01-1-02S	56S36-01-1-06N	56SP30-01-1-02S	56SP36-01-1-04N
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56P30-01-1-07N	56P36-01-2-02N	56S30-01A12N	56SD36-01-2-AJS	56SP30-01-4-02N	
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56P30-01-1-09N	56P36-01-2-04S	56S36-01-1-02N	56SDP30-01QAJS	56SP30-01A12N	
56P30-01-1-10N	56P36-01-2-05N	56S36-01-1-02S	56SDP30-01SAJN	56SP30-01A12S	
56P30-01-1-11N	56P36-01-2-05S	56S36-01-1-03N	56SDP30-01SAJS	56SP30-01B12N	





Intuitive Human Interface Solutions

Device Under Test:
56Series SS shaft

Physical Test:
Drop Test, Pull Out, Push Out, Stop Strength

Environmental Test:
Seal Test

Electrical Test:
Insulation Resistance and Contact Resistance

Test Report Number:	SP03-183
Test Start Date:	10/21/2015
Test Completion Date:	11/03/2015
Test Facility:	Grayhill Inc.
Test Requested By:	Troy Naumes
Test Performed By:	Rupinder Bains Quality Engineering Specialist
Report Written By:	Rupinder Bains Quality Engineering Specialist
Report Approved By:	Nicole Jachna Quality Lab Manager

2.0 SUMMARY

2.1 PURPOSE

This test was performed to verify use of cold headed SS shaft in 56 series product.

2.2 REQUIREMENTS & METHODS

Per Grayhill 56 series drawing and MIL-S-3786,

2.3 TEST SUMMARY

All DUT meet all the requirements for Contact Resistance, Insulation Resistance, Seal test and Rotational life test stated in the Grayhill drawing and MIL-S-3786.

Table 1 – Test Summary

Test Description	Basic Standard	Sample Size	Test Results (30° SS)	Test Results (36° SS)	Test Date	Test Location
Seal Test	MIL-S-3786	18	PASS	PASS	10/21/2015 - 10/22/2015	Grayhill, Inc.
Contact Resistance	MIL-DTL-3786	18	PASS	PASS	10/22/2015	Grayhill, Inc.
Insulation resistance	MIL-DTL-3786	18	PASS	PASS	10/21/2015 - 10/22/2015	Grayhill, Inc.
Drop Test	Per LREQ-SP03-183	12	PASS	PASS	10/26/2015	Grayhill, Inc.
Stop Strength	Per LREQ-SP03-183	30	PASS	PASS	10/23/2015	Grayhill, Inc.
Shaft Pull Strength	Per LREQ-SP03-183	12	PASS	PASS	10/26/2015	Grayhill, Inc.
Shaft Push Force	Per LREQ-SP03-183	18	PASS	PASS	10/26/2015	Grayhill, Inc.
Rotational Life	Per LREQ-SP03-183	18	PASS	PASS	10/26/2015 - 11/03/2015	Grayhill, Inc.