

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 |
| 55P30-01-1-07N | 55SP30-01B12N | 56A30-01A12N | 56B30-01-1-06N | 56BP30-01B12N | 56BSP30-01B06N |
| 55P30-01-1-10N | 55SP36-01-1-02N | 56A30-01A12S | 56B30-01-2-02N | 56BP30-01B12S | 56BSP30-01B07N |
| 55P30-01-1-11N | 55SP36-01-1-06N | 56A30-01B10N | 56B30-01-2-02S | 56BS30-01-1-02N | 56BSP30-01B07S |
| 55P30-01-2-03N | 55SP36-01-1-06S | 56A30-01B12N | 56B30-01-2-04N | 56BS30-01-1-02S | 56BSP30-01B10N |
| 55P30-01-2-04N | 55SP36-01-1-09N | 56A30-01B12S | 56B30-01-2-06N | 56BS30-01-1-03N | 56BSP30-01B12N |
| 55P30-01-2-06N | 55SP36-01-2-05N | 56A36-01-1-02N | 56B30-01-4-02N | 56BS30-01-1-04N | 56BSP30-01C02N |
| 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 | | |



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|-----------------|----------------|----------------|-----------------|-----------------|-----------------|
| 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 |
| 56BSP30-01E03N | 56P30-01-2-04N | 56P36-01B10S | 56S36-01-1-05N | 56SDP36-01QAJS | 56SP36-01-1-03N |
| 56D30-01-1-AJN | 56P30-01-2-04S | 56S30-01-1-02N | 56S36-01-1-05S | 56SP30-01-1-02N | 56SP36-01-1-03S |
| 56D30-01-1-AJS | 56P30-01-2-05N | 56S30-01-1-02S | 56S36-01-1-06N | 56SP30-01-1-02S | 56SP36-01-1-04N |
| 56D30-01-2-AJN | 56P30-01-2-05S | 56S30-01-1-03N | 56S36-01-1-06S | 56SP30-01-1-03N | 56SP36-01-1-04S |
| 56D30-01-2-AJS | 56P30-01-2-06N | 56S30-01-1-03S | 56S36-01-1-07S | 56SP30-01-1-03S | 56SP36-01-1-05N |
| 56D30-01-4-AJN | 56P30-01-2-06S | 56S30-01-1-04N | 56S36-01-1-08N | 56SP30-01-1-04N | 56SP36-01-1-05S |
| 56D30-01-4-AJS | 56P30-01-4-02N | 56S30-01-1-04S | 56S36-01-1-08S | 56SP30-01-1-04S | 56SP36-01-1-06N |
| 56D36-01-1-AJN | 56P30-01-4-02S | 56S30-01-1-05N | 56S36-01-1-09N | 56SP30-01-1-05N | 56SP36-01-1-06S |
| 56D36-01-1-AJS | 56P30-01-4-03N | 56S30-01-1-05S | 56S36-01-1-09S | 56SP30-01-1-05S | 56SP36-01-1-07N |
| 56D36-01-2-AJN | 56P30-01-4-03S | 56S30-01-1-06N | 56S36-01-2-02N | 56SP30-01-1-06N | 56SP36-01-1-08N |
| 56D36-01-2-AJS | 56P30-01A12N | 56S30-01-1-07N | 56S36-01-2-02S | 56SP30-01-1-06S | 56SP36-01-1-08S |
| 56DP30-01-1-AJN | 56P30-01A12S | 56S30-01-1-07S | 56S36-01-2-03N | 56SP30-01-1-07N | 56SP36-01-1-09N |
| 56DP30-01-1-AJS | 56P30-01B12N | 56S30-01-1-08N | 56S36-01-2-03S | 56SP30-01-1-08N | 56SP36-01-1-09S |
| 56DP30-01-2-AJN | 56P30-01B12S | 56S30-01-1-08S | 56S36-01-2-04N | 56SP30-01-1-08S | 56SP36-01-2-02N |
| 56DP30-01-2-AJS | 56P36-01-1-02N | 56S30-01-1-10N | 56S36-01-2-04S | 56SP30-01-1-09N | 56SP36-01-2-02S |
| 56DP30-01-4-AJN | 56P36-01-1-02S | 56S30-01-1-10S | 56S36-01-2-05N | 56SP30-01-1-09S | 56SP36-01-2-03N |
| 56DP30-01-4-AJS | 56P36-01-1-03N | 56S30-01-2-02N | 56S36-01-2-05S | 56SP30-01-1-10N | 56SP36-01-2-03S |
| 56DP36-01-1-AJN | 56P36-01-1-03S | 56S30-01-2-02S | 56S36-01A10N | 56SP30-01-1-10S | 56SP36-01-2-04N |
| 56DP36-01-1-AJS | 56P36-01-1-04N | 56S30-01-2-03N | 56S36-01A10S | 56SP30-01-1-11N | 56SP36-01-2-04S |
| 56DP36-01-2-AJN | 56P36-01-1-04S | 56S30-01-2-03S | 56S36-01B10N | 56SP30-01-1-11S | 56SP36-01-2-05N |
| 56DP36-01-2-AJS | 56P36-01-1-05N | 56S30-01-2-04N | 56S36-01B10S | 56SP30-01-2-02N | 56SP36-01-2-05S |
| 56P30-01-1-02N | 56P36-01-1-05S | 56S30-01-2-04S | 56SD30-01-1-AJN | 56SP30-01-2-02S | 56SP36-01-2-07N |
| 56P30-01-1-02S | 56P36-01-1-06N | 56S30-01-2-05N | 56SD30-01-1-AJS | 56SP30-01-2-03N | 56SP36-01A10N |
| 56P30-01-1-03N | 56P36-01-1-06S | 56S30-01-2-05S | 56SD30-01-2-AJN | 56SP30-01-2-03S | 56SP36-01A10S |
| 56P30-01-1-03S | 56P36-01-1-07N | 56S30-01-2-06N | 56SD30-01-2-AJS | 56SP30-01-2-04N | 56SP36-01B10N |
| 56P30-01-1-04N | 56P36-01-1-07S | 56S30-01-2-06S | 56SD30-01-4-AJN | 56SP30-01-2-04S | 56SP36-01B10S |
| 56P30-01-1-04S | 56P36-01-1-08N | 56S30-01-4-02N | 56SD30-01-4-AJS | 56SP30-01-2-05N | |
| 56P30-01-1-05N | 56P36-01-1-08S | 56S30-01-4-02S | 56SD36-01-1-AJN | 56SP30-01-2-05S | |
| 56P30-01-1-06N | 56P36-01-1-09N | 56S30-01-4-03N | 56SD36-01-1-AJS | 56SP30-01-2-06N | |
| 56P30-01-1-06S | 56P36-01-1-09S | 56S30-01-4-03S | 56SD36-01-2-AJN | 56SP30-01-2-06S | |
| 56P30-01-1-07N | 56P36-01-2-02N | 56S30-01A12N | 56SD36-01-2-AJS | 56SP30-01-4-02N | |
| 56P30-01-1-07S | 56P36-01-2-03N | 56S30-01A12S | 56SDP30-01PAJN | 56SP30-01-4-02S | |
| 56P30-01-1-08N | 56P36-01-2-03S | 56S30-01B12N | 56SDP30-01PAJS | 56SP30-01-4-03N | |
| 56P30-01-1-08S | 56P36-01-2-04N | 56S30-01B12S | 56SDP30-01QAJN | 56SP30-01-4-03S | |
| 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 | |
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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. |