



Woodward, Inc.
3800 North Wilson Ave.
P.O. Box 3800
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Tel: 970-663-3900



QCC, LLC
7315 West Wilson Ave.
Harwood Heights, IL 60706, USA
Tel: 708-887-5400

January 5, 2016

PRODUCT ANNOUNCEMENT

Sale and Transfer of Woodward Dyna Actuator, Mini Signal Generator, Mechanical and Electronic Speed Switch product lines to QCC's Assembled Products Division effective 12/31/15.

We are excited to announce the sale and transfer of the Woodward Dyna Actuator, Mini Signal Generator, Mechanical and Electronic Speed Switch product lines to QCC, LLC in Harwood Heights, Illinois. QCC has a long history of successfully acquiring, manufacturing and servicing legacy product lines. QCC is a supplier and partner for Woodward in several other business areas. QCC looks forward to continuing the manufacture of these products and ensuring the support for our customers' requirements for decades to come.

It is QCC and Woodward's goal to make this transition as seamless as possible for our customers. The following are answers to initial questions you may have:

- QCC will retain Woodward's historical pricing and distribution practices and policies, where possible.
- Woodward will continue to receive purchase orders as normal through Friday, January 29th to allow our customers time to set up purchasing processes with QCC.
- QCC will receive and process all orders beginning Monday February 1st.
- These products will continue to be manufactured on the same equipment adhering to the same quality standards our customers expect.
- In advance of this move, we have pre-built inventory where possible in order to ship orders per your scheduled request date(s).

To help answer additional questions that will arise, we have scheduled an introductory Webinar on January 8th described on the following page. Additional information relating to specific product families, timing, purchase order entry, and QCC contacts are also listed on the page that follows.

QCC will ensure support of these products, and Woodward will continue its focus on expanding its new product offerings. We seek your understanding and cooperation toward the smooth transfer of these products. If you have any questions, please do not hesitate to contact us directly. (Please refer to the contact list below)

Best Regards,

Casey Mulder
Woodward - Director of Product Lines, Small Engines

Ron Rygiel
QCC - VP of Sales and Marketing

Product Families

- Product Families Included in this transition: (Please see attached part number list with descriptions)
 - a. Woodward Dyna Actuators
 - b. Woodward Electronic Speed Switches
 - c. Woodward Mechanical Speed Switches
 - d. Woodward Mini Signal Generators(To maintain consistency we will continue with the same branding and part numbers through the first half of 2016. We will inform you in advance of any planned changes thereafter.)

Timing

- On behalf of QCC, Woodward will continue to receive purchase orders as normal through Friday, January 29th to allow our customers time to set up purchasing processes with QCC. QCC will process all orders beginning Monday, February 1st. (Beginning February 1st, Woodward will no longer process orders for these products.)
- QCC will begin fulfillment of open orders on January 1st. (Orders received and processed by Woodward in January will also be fulfilled by QCC.)

Instructions for Purchase Orders through QCC

- Customer Purchase Orders: Per the timing above, please prepare to send Purchase Orders directly to QCC beginning February 1st using one of the following:
 - a) Electronic Purchase Orders: please send Purchase Orders via electronic PDF copy to: Deb Elverd AND Melissa Pearson at Deb@QCCorp.com and Pearson@QCCorp.com
 - b) EDI: please contact Deb Elverd at Deb@QCCorp.com 708-887-6280
 - c) FAX Purchase Orders: please send FAX Purchase Orders to QCC FAX number: 708-887-5009
 - d) Paper Purchase Orders: please send hard copy/paper mailed Purchase Orders to:
QCC Customer Service
7301 W Wilson Ave.
Harwood Heights, IL 60176

Contact List

- | | | | |
|---|------------------|----------------|--|
| • Woodward - Director of Product Lines, Small Engines | Casey Mulder | (970) 481-8351 | Casey.Mulder@woodward.com |
| • QCC - VP of Sales and Marketing | Ron Rygiel | (847) 452-8824 | rygiel@QCCorp.com |
| • QCC - Customer Service | Deb Elverd | (708) 887-6280 | Deb@QCCorp.com |
| • QCC - Customer Service | Melissa Pearson | (708) 887-6264 | Deb@QCCorp.com |
| • QCC - Quality Manager | Fran Kroll | (708) 887-6344 | Kroll@QCCorp.com |
| • QCC - Product Manager | Bhavin Brahmhatt | (708) 887-6393 | Brahmbhatt@QCCorp.com |
| • QCC - CEO | Jon Goreham | (708) 887-6392 | goreham@QCCorp.com |
| • QCC - GM Assembled Products Division | Victor Prawica | (847) 702-8096 | Prawica@QCCorp.com |

About QCC

QCC is a world-class manufacturing services provider specializing in the manufacture, assembly and testing of complete products and precision machined components, with particular expertise in valves, pumps, motors, mechanical seals and other fluid power products. With exceptional manufacturing processes and project management capabilities, QCC allows original equipment manufacturers (“OEMs”) to focus on their primary products and core competencies by handling non-core manufacturing and assembly requirements throughout any stage of their product’s lifecycle. QCC’s brands include Qualiseal Technology, Dukes Fluid Power and Webster. To learn more about QCC, please visit www.qccorp.com

About Woodward, Inc.

Woodward is an independent designer, manufacturer, and service provider of control system solutions and components for the aerospace and energy markets. The company’s innovative fluid, combustion, electrical, and motion control systems help customers offer cleaner, more reliable, and more efficient equipment. Our customers include leading original equipment manufacturers and end users of their products. Woodward is a global company headquartered in Fort Collins, Colorado, USA. Visit our website at www.woodward.com, and connect with us at www.facebook.com/woodwardinc.

Attachment A – Part Numbers Affected

Part Number	Part Description	Part Number	Part Description
P1-66	ACTUATOR-TAPPERED BEARING	SA-1746	SWITCH-GOU UNDERSPEED SW
SA-0430	SWITCH-GHA OVERSPEED SW S	SA-1747	SWITCH-GOU UNDERSPEED SW
SA-0478	SWITCH-GO2M 2ELE SP SW ST	SA-1750	SWITCH-GOUC UNDERSPEED HV
SA-0503	SWITCH-GOM OVERSPEED SW S	SA-1752	SWITCH-GOUC UNDERSPEED HV
SA-0522	SWITCH-GH2 2ELE SP SW STD	SA-1758	SWITCH-GOU UNDERSPEED SW
SA-0560	SWITCH-GO2MC 2ELE SP SW S	SA-1771	SWITCH-GSUC UNDERSPEED SW
SA-0569	SWITCH-GO2 2ELE SP SW STD	SA-2022	SWITCH-GO2MC 2ELE SW HVY
SA-0584	SWITCH-GOMC OVERSPEED STD	SA-2041	SWITCH-GW2 2ELE SP SW STD
SA-0606	SWITCH-GO2C 2ELE SP SW ST	SA-2060	SWITCH-GO2M 2ELE SP SW HV
SA-0611	SWITCH-GWA OVERSPEED SW S	SA-2485	SWITCH-GO3MA .187 HVYWT A
SA-0612	SWITCH-GSA OVERSPEED SW S	SA-2503	SWITCH-GO2 2ELE SP SW STD
SA-0613	SWITCH-GOA OVERSPEED SW S	SA-2633	SENSOR-DRIVE TANG MALE .1
SA-0616	SWITCH-GSM OVERSPEED SW S	SA-2635	SENSOR-DRIVE TANG FEMALE
SA-0617	SWITCH-GSAC O/S SW STD CO	SA-2636	SENSOR-DRIVE TANG FEMALE
SA-0624	SWITCH-GYA OVERSPEED SW S	SA-2637	SENSOR-DRIVE TANG FEMALE
SA-0625	SWITCH-GW2 2ELE SP SW STD	SA-2638	SENSOR-DRIVE TANG FEMALE
SA-0626	SWITCH-GY2 2ELE SP SW STD	SA-2676	SENSOR-DRIVE TANG MALE .1
SA-0641	SWITCH-GH2M 2ELE SP SW ST	SA-2677	SENSOR-DRIVE TANG MALE .1
SA-0647	SWITCH-GW2 2ELE SP SW STD	SA-2678	SENSOR-DRIVE TANG MALE .1
SA-0656	SWITCH-GY2 2ELE SP SW STD	SA-2679	SSPI ITEM-DRIVE TANG MALE
SA-0660	SWITCH-GOAC OVERSPEED STD	SA-3156	SWITCH-GSUC U/S HVY WT W/
SA-0662	SWITCH-GWA OVERSPEED SW S	SA-3164	SWITCH-GO2 .152 STD 1@700
SA-0663	SWITCH-GW2 STD SM RG 5DD	SA-3175	SWITCH-GSUC STD WTS W/GRE
SA-0664	SWITCH-GWA OVERSPEED SW S	SA-3216	SWITCH-GO2 STDWT.152 SET
SA-0684	SWITCH-GO3A .187 HVY WTS	SA-3391	SENSOR-MGO-1 W/37 COIL FR
SA-0742	SWITCH-GS2MC 2ELE SP SW S	SA-3451	SENSOR-MGO-1 MINI-GEN EAT
SA-0743	SWITCH-GO2N 2ELE SP SW ST	SA-3488	SENSOR-MGO#37 W/8" LEADS/
SA-0888	SWITCH-GO2 2ELE STD .187	SA-3583	SWITCH-GO2M 2 ELE SP SW 4
SA-0892	SWITCH-GH3M .184SQ HVYWT	SA-3605	SWITCH-GOA OVSPD STD.152
SA-0897	SWITCH-GO3MA .187 HVYWT A	SA-3614	SENSOR-MGO-1 30"LEADS CON
SA-0919	SWITCH-GO3M .187 4HVY WT	SA-3648	SENSOR-MGO MINI-GEN VOLVO
SA-0967	SWITCH-GOM OVERSPEED SW.1	SA-3779	SWITCH-GO3A .187 HVY WTS
SA-1563	SWITCH-GOM OVERSPEED STD	SA-3926	SENSOR-MGO #37 W/30"LEADS
SA-1573	SWITCH-GO2M SET#1@300MAX	SA-3937	SENSOR-MGO-1 MINI-GEN #37
SA-1644	SWITCH-GO3MA .187 HVYWT A	SA-4103	SENSOR-MGO-1-37 WPC.203/M
SA-1723	SWITCH-GHUC UNDERSPEED SW	SA-4107	SENSOR-MGO #37 8"LEADS TR

Attachment A – Part Numbers Affected Cont.

Part Number	Part Description	Part Number	Part Description
SA-4139	SENSOR-MGO #37 13.4" LEAD	SA-2653-A	SENSOR-MGO-1 MINI-GEN W/4
SA-4208	SWITCH-ESSE-1A AMOT PROPR	SA-2685-A	SENSOR-MGJ MINI-GEN W/M22
DYNC-369	ACTUATOR-BUSHING	SA-2693-A	SENSOR-MGO W/8" LEADS&TRA
DYNC-436	SHAFT-ASY +4	SA-2712-A	SENSOR-MGO-1 MINI-GEN#44
DYNC-623	ACTUATOR-UPPER HSG +4	SA-2713-A	SENSOR-MGY-1 MINI-GEN#37
SA-0478-A	SWITCH-GO2M 2ELE SP SW ST	SA-2763-A	SENSOR-MGJ-1 MINI-GEN W/M
SA-0478-D	SWITCH-GO2M 2ELE SP SW HV	SA-2768-A	SENSOR-MGO W/2-PIN CONN/S
SA-0478-E	SWITCH-GO2M 2ELE SP SW HV	SA-2772-A	SENSOR-MGW MINI-GEN #37 L
SA-0478-G	SWITCH-GO2M 2ELE SP SW 4	SA-2900-A	SENSOR-MGO MINI-GEN W/37
SA-0478-L	SWITCH-GO2M 2ELE SP SW HV	SA-3146-A	SENSOR-MGO#37/8"LEADS MIN
SA-0503-A	SWITCH-GOM OVERSPEED SW S	SA-3156-A	SWITCH-GSUC HVYWT W/GRS F
SA-0503-B	SWITCH-GOM OVERSPEED SW H	SA-3176-D	SENSOR-MGO#37COIL/DBL.CIR
SA-0503-G	SWITCH-GOM OVERSPEED SW S	SA-3367-A	SENSOR-MGO #37 W/10" LEAD
SA-0522-B	SWITCH-GH2 2ELE SP SW HVY	SA-4208-2	SWITCH-ESSE-1A AMOT PROPR
SA-0546-A	SWITCH-GH2MN 2ELE SP SW H	DYN3-60030	SWITCH-SPEED SWITCH
SA-0556-D	SWITCH-GO2MN 2ELE SP SW H	SA-0478-AV	SWITCH-GO2M 2ELE SP SW ST
SA-0560-D	SWITCH-GO2MC 2ELE SP SW H	SA-1707-050	SENSOR-SHIELDED CABLE 50
SA-0560-J	SWITCH-GO2MC 2ELE HVY .18	SA-3753-A-1	SWITCH-ESSE-1A, SPEED SWI
SA-0569-A	SWITCH-GO2 2ELE SP SW STD	SA-3753-A-2	SWITCH-ESSE-1A, SPEED SWI
SA-0569-D	SWITCH-GO2 2ELE SP SW HVY	SA-3753-L-1	SWITCH-ESSE-1L, SPEED SWI
SA-0569-G	SWITCH-GO2 2ELE SP SW 4 H	SA-3753-L-2	SWITCH-ESSE-1L, SPEED SWI
SA-0606-D	SWITCH-GO2C 2ELE SP SW HV	SA-3753-M-1	SWITCH-ESSE-1M SPEED SWIT
SA-0606-G	SWITCH-GO2C 2ELE SW 4 HVY	SA-3753-M-2	SWITCH-ESSE-1M SPEED SWIT
SA-0613-A	SWITCH-GOA OVERSPEED SW S	SA-3753-P-1	SWITCH-ESSE-1P, SP SW ADJ
SA-0613-B	SWITCH-GOA OVERSPEED SW H	SA-3753-P-2	SWITCH-ESSE-1P, SP SW ADJ
SA-0625-A	SWITCH-GW2 2ELE SP SW STD	SA-3754-L-2	SWITCH-ESSE-1L, SP SW IGN
SA-0641-B	SWITCH-GH2M 2ELE SP SW HV	SA-3754-P-1	SWITCH-ESSE-1P SP SW ADJ
SA-0656-B	SWITCH-GY2 2ELE SP SW HVY	SA-3754-P-2	SWITCH-ESSE-1P SP SW ADJ
SA-0743-H	SWITCH-GO2N 2ELE SP SW HV	SA-3906-P-2	SWITCH-ESSE-1P LOW HZ ADJ
SA-0758-B	SWITCH-GH2M 2ELE SP SW HV	SA-3678-AA-1	SWITCH-ESSE2-AA SPEED SWI
SA-0792-B	SWITCH-GB2C 2ELE SP SW HV	SA-3678-AA-2	SWITCH-ESSE2-AA SPEED SWI
SA-1573-A	SWITCH-GO2M SET#1@300MAX	SA-3678-AL-2	SWITCH-ESSE2-AL SPEED SWI
SA-1673-A	SWITCH-GR2N 2ELE SP SW HV	SA-3678-AM-1	SWITCH-ESSE2-AM SPEED SWI
SA-2650-A	SENSOR-MGO MINI-GEN W/37	SA-3678-AM-2	SWITCH-ESSE2-AM SPEED SWI
SA-2651-A	SENSOR-MGO MINI-GEN W/44	SA-3678-AP-1	SWITCH-ESSE2-AP SPEED SWI
SA-2652-A	SENSOR-MGO-1 MINI-GEN W/3	SA-3678-AP-2	SWITCH-ESSE2-AP SPEED SWI

Attachment A – Part Numbers Affected Cont.

Part Number	Part Description	Part Number	Part Description
SA-3678-LL-1	SWITCH-ESSE2-LL SPEED SWI	DC11020-000-012	BC ITEM-+1 CW ACT DYNA 80
SA-3678-LL-2	SWITCH-ESSE2-LL SPEED SWI	DC11020-000-024	BC ITEM-+1 CW ACT-DYNA 80
SA-3678-LM-1	SWITCH-ESSE2-LM SPEED SWI	DC11020-300-012	BC ITEM-CW KHD ACT DYNA 8
SA-3678-MM-1	SWITCH-ESSE2-MM SPEED SWI	DC11020-300-024	BC ITEM-CW KHD ACT DYNA 8
SA-3678-MM-2	SWITCH-ESSE2-MM SPEED SWI	DC11021-000-012	BC ITEM-+1 CW ACT DYNA 80
SA-3678-PM-2	SWITCH-ESSE-2PM SPEED SWI	DC11021-000-024	BC ITEM-+1 CW ACT-DYNA 80
SA-3678-PP-1	SWITCH-ESSE2-PP SPEED SWI	DC11021-300-012	BC ITEM-CW KHD ACT DYNA 8
SA-3678-PP-2	SWITCH-ESSE2-PP SPEED SWI	DC11021-300-024	BC ITEM-CW KHD ACT DYNA 8
SA-3682-AN-2	SWITCH-ESSE2-AN SPEED SWI	DC11022-000-012	BC ITEM-+1 CW ACT DYNA 80
SA-3681-ALR-2	SWITCH-ESSE2-ALR SPEED SW	DC11022-000-024	BC ITEM-+1 CW ACT-DYNA 80
DC556-004-0-00	COVER-CCW ROTATION +1 SER	DC11023-000-024	BC ITEM-+1 CW ACT-DYNA 80
DC557-004-0-00	COVER-ASY CW-NEW +1 DYNC-	DC11023-300-024	BC ITEM-CW KHD ACT DYNA 8
DC557-010-0-00	COVER-ASY CW DYNC-557-010	DC11023-350-024	BC ITEM-DYNC-11023-350-0-
DC558-004-0-00	COVER-ASY CCW-NEW +1 DYNC	DC11024-000-012	BC ITEM-+1 CCW ACT DYNA 8
DC600-002-0-00	FITTING-FITTING DYNC-600-	DC11024-000-024	BC ITEM-+1 CCW ACT DYNA 8
DA10130-000-024	BC ITEM-DYNA-10130-000-0-	DC11024-300-012	BC ITEM-CCW KHD DYNA 8000
DC11000-004-012	BC ITEM-ACTUATOR, CW-NEW	DC11024-300-024	BC ITEM-CCW KHD DYNA 8000
DC11000-004-024	BC ITEM-ACTUATOR, CW DYNC	DC11025-000-024	BC ITEM-+1 CCW ACT DYNA 8
DC11000-204-024	ACTUATOR-KHD DYNC-11000-2	DC11025-300-012	BC ITEM-CCW KHD DYNA 8000
DC11000-304-024	ACTUATOR-CW KHD DYNC-1100	DC11026-000-024	BC ITEM-+1 CCW ACT DYNA 8
DC11001-004-012	BC ITEM-ACTUATOR, CW-NEW	DC11026-300-012	BC ITEM-CCW KHD DYNA 8000
DC11001-004-024	ACTUATOR-+1 DYNC-11001-00	DC11026-300-024	BC ITEM-CCW KHD DYNA 8000
DC11001-204-024	ACTUATOR-KHD DYNC-11001-2	DC11028-300-024	BC ITEM-8000 ACT CCW ROT
DC11001-304-024	ACTUATOR-DYNC-11001-304-0	DC11121-000-024	BC ITEM-8000 CW ACT. DDA
DC11002-004-024	ACTUATOR-+1 DYNC-11002-00	DC11125-000-024	BC ITEM-8000 CW ACT DDA D
DC11002-204-024	BC ITEM-CW ACTUATOR---KHD	DC12000-000-012	ACTUATOR-+2-12 VOLT DYNC-
DC11003-004-024	BC ITEM-CCW +1 ACT-CUMMIN	DC12000-000-024	ACTUATOR-+2 DYNC-12000-00
DC11004-004-012	ACTUATOR-+1 DYNC-11004-00	DC12001-000-024	ACTUATOR-+2 DYNC-12001-00
DC11004-004-024	ACTUATOR-+1 CCW DYNC-1100	DC12002-000-012	ACTUATOR-+2-12 VOLT DYNC-
DC11004-304-024	BC ITEM-CCW KHD-NEW SENSO	DC12101-000-024	ACTUATOR-+2 DYNC-12101-00
DC11006-004-012	BC ITEM-+1 ACT CCW DYNC-1	DC12101-000-124	ACTUATOR-+2 DYNC-12101-00
DC11006-004-024	ACTUATOR-+1 CCW DYNC-1100	DC12154-001-112	BC ITEM-+2 ACT ASSY SPE
DC11006-004-J24	BC ITEM-CCW ACT-RANCO JAP	DC14000-001-024	ACTUATOR-+4 DYNC-14000-00
DC11006-204-024	ACTUATOR-KHD DYNC-11006-2	DC14000-001-124	ACTUATOR-ACTUATOR ROTARY
DC11006-304-024	BC ITEM-DYNC-11006-304-0-	DC14800-000-024	BC ITEM-+4 ACTUATOR DYNC-
DC11009-004-024	BC ITEM-+1 ACT. CW-ROT. D	DC35000-000-024	ACTUATOR-CNT ACTUATOR DYN