



ASK AN ENGINEER

What kind of Maintenance Should I Be Doing on My Spout System?

Spout systems should be maintained regularly to keep them operating efficiently and to promote long life. Here are some guidelines to help you achieve those goals.

Tools for tightening the stack

When assembling and disassembling the stack use the stack assembly fixture PN EP3701704.



When disassembling the stack, use the spanner wrench PN EP5907561.



When assembling the stack, use the torque wrench PN EP3701004 from the spout maintenance kit that

was provided with your spout system. Set the wrench at 25Nm (220 in-lb).



Although you may think “tighter is better,” that isn’t true here. The stack is self-tightening. The welding action actually causes the stack to tighten up. This is why when disassembling a stack that has been used for a while, it seems to be incredibly tight compared to when it was first put together. Due to the stack studs and Mylar washers (discussed below), over-tightening the stack will actually cause a decrease in performance. If the stack is overtightened with a spanner wrench, small cracks can be induced into the metal around the spanner mounting hole.

A number of converters have been returned lately that show clear use of pipe wrenches for assembling/disassembling the stack. Marring and scoring the converter with a pipe wrench actually creates small “energy dispersion zones” where the vibrational energy is converted to heat. Additionally these marks de-tune the converter slightly. This adds up to loss of efficiency and even possibly premature converter failure.



Contd on page 4

IN THIS ISSUE

Ask An Engineer 1

Surplus/Obsolete Parts Discounts 2

Machine Training 2

Pack Expo 3

Note From the Editor 4



The *Run Time* is the newsletter of the Evergreen Packaging Equipment Sales Services Department. Its purpose is to provide customers with Evergreen Packaging gable top parts and service information. The newsletter is not intended as legal, financial or other professional advice. Copyright © 2020 Evergreen Packaging LLC.

Editor: Rodney Anderson
 rodney.anderson@everpack.com
 Phone: 319-399-3481 or 800-553-5981
 Fax: 319-399-3388 or 800-553-5986
 Evergreen Packaging Equipment
 PO Box 3000
 2400 Sixth Street SW
 Cedar Rapids IA 52406

We welcome comments and suggestions. Please send all mailing address changes to the editor.

Evergreen Packaging Equipment is proud to be ISO 9001:2015 certified. We are dedicated to quality and continuous improvement.

PARTS DISCOUNTS

Surplus/Obsolete Discounts

Take advantage of these huge discounts on overstocked parts. The part numbers and prices in **red** may have been further reduced from previous discounts. To order, make sure you ask for the surplus/obsolete price. Stock is limited to the quantities shown, so order now!

Part Number	Description	Product Lines	Qty	List Price	Sale Price
EP3055696	ARM - ACTUATOR	H-5, H-6, Q-10	1	\$ 1,620	\$ 1,050
EP3055804	WARP PLATE	N-5, N-8	1	\$ 3,222	\$ 3,150
EP3056611	OVEN SIDE	HALF-GALLON	1	\$ 2,553	\$ 875
EP3058716	N-8 GREASE PUMP UPGRADE KIT	N-8	1	\$ 6,210	\$ 4,950
EP3112917	STATIONARY SEALER JAW	QUART	1	\$32,130	\$ 1,350
EP3115685	H-5, H-90 CONVEYOR CHAIN KIT	H-5, H-90	1	\$24,342	\$ 21,650
EP3116277	DEFLECTOR - NOZZLE	EH	1	\$ 5,277	\$ 3,750
EP3150570	SUCTION BAR ASSY	N-5, N-170	1	\$ 4,449	\$ 3,500
EP3158055	LINE 2 HOUSING WELDMENT	N-5, QPC-11, Q-7	1	\$ 3,890	\$ 3,500
EP3158285	LINE 1 OVEN HOUSING	H-5	1	\$ 3,943	\$ 3,500
EP3158286	LINE 2 OVEN HOUSING	H-5	1	\$ 4,023	\$ 3,500
EP3158556	ECCENTRIC - TOP BREAKER	N-5, Q-11	1	\$ 5,600	\$ 4,950
EP3283865	JAW-DATER STATIONARY L1 L2 PM	EH	1	\$ 3,048	\$ 1,750
EP3287427	SUCTION ARM ASSY, 3 CUP, WARP PLATE	EH-3	1	\$11,070	\$ 9,975
EP3291500	EH-3 SLIM HEATER CENTER - FITMENT	EH-3 SLIM	1	\$ 850	\$ 650
EP3493638	KIT - TOP CENTER HEATER OLD/NEW	N-8	1	\$ 2,710	\$ 1,500
EP3602527	BEARING ASSEMBLY	EQ-70, Q-70, QL-35	1	\$ 2,212	\$ 1,750
EP3611497	LN2 SQUEEZER STATIONARY JAW ASSY	QL-35, Q-70, EQ-70	1	\$ 1,814	\$ 1,450
EP3703078	CHUTE - PREFEEDER DISCHARGE	SPOUT	1	\$ 5,381	\$ 3,450
EP3771044	ASSY FLEX COUPLING 2" ARMORED	EQ-70, Q-140	1	\$ 692	\$ 550
EP3991027	POWERFLEX 40 VFD - 5HP	EH-3	1	\$ 3,125	\$ 2,250
EP5513982	CONTROLLER TEMPERATURE	Q-11, Q-12	1	\$ 1,336	\$ 650
EP5516746	AIR HEATER	EQ-4	1	\$ 836	\$ 795
EP5523020	CONVEYOR DRIVE GEARBOX	Q-10, GT-30, GT-60	1	\$ 2,791	\$ 2,650
EP5523033	BELT-SYNCH 14P X 37W X 224T-GT	GT-60, EH-210	1	\$ 1,019	\$ 775
EP5560179	4-WAY LIMIT VALVE	H-5, N-5, Q-5, Q-7	1	\$ 325	\$ 295
EP5904028	INDEXER/REDUCER	N-7	1	\$41,691	\$ 19,950
EP5907802	ROD BEARING HOUSING FOR 5907796 AND 97	Q-70, EQ-70	1	\$ 275	\$ 250
EP7150046	CHAIN ASSEMBLY NEP210A	NEP-210	1	\$ 3,518	\$ 1,950
EP7263018	INDEPENDENT WELD CONTROL FIELD KIT	EH-3	1	\$ 6,870	\$ 6,250

MACHINE TRAINING

Maximize Run Time with Evergreen Training



Let our trainers show you how to keep your Evergreen filler properly maintained for top performance and long life.

about in-plant training using our N-8 fill system or SPOUT-PAK® training stands.

To request training for a specific filler model, please contact Mike at 319-270-3594 or mike.tisdale@everpack.com.

For the most up-to-date training school information, visit evergreenpackaging.com.

Training can be held at the Evergreen Cedar Rapids facility or at your own plant. Also ask



WAIT FOR IT!
Something new is coming and will be revealed at **PACK EXPO!**

You asked for **Quick Setup...**
You asked for **Repeatable Package Performance...**
You asked for **Better Visibility...**
You asked for **Increased Accessibility...**
You asked for the same great **Shelf Life Optimization** features...

You Got It! Visit us at our *Virtual Showroom*
<https://pe.show/154> at **PACK EXPO** and see what's new!

Live Demo Times: November 9 thru November 12, 2020
11:00 and 1:00 CST Each Day




CONNECTS



Cedar Rapids, Iowa • 319-399-3200 • www.evergreenpackaging.com

EVERGREENPACKAGING is a global leader in beverage packaging systems, serving the dairy, juice, specialty, and other liquid food markets. The Evergreen Packaging business employs nearly 4,100 people worldwide. Besides the North American facilities, Evergreen Packaging includes wholly owned subsidiaries in China, South Korea and Taiwan, and joint ventures in Israel, Latin America, North Africa and Saudi Arabia.

Evergreen Packaging is owned by Reynolds Group Holdings Ltd, an investment company that also owns Reynolds Packaging, Pactiv Corporation, Closure Systems International and Graham Packaging.

The Evergreen Packaging product line includes:

- Gable top packaging equipment—which forms, fills, and seals paper gable top cartons—available for pasteurized, ESL (Extended Shelf Life), ELL (Extended Long Life), and hot fill applications. These machines fill cartons from 4 oz. up to half-gallon (150 ml up to 2 liter), at speeds from 30 to 340 cartons per minute.
- SPOUT-PAK® twist-off closures for most gable top cartons.
- Gable top materials available through our global network of converting plants.

Converter Cooling Lines *contd from Page 1*

The spout converters have input and output fittings for colling air. It si critical that there is substantial clean, cool air flowing into the converter.

IMPORTANT: It is also critical that an exhaust line-or at the very least, a 6-in. piece of tubing- is run from the exhaust port to the exhaust system to prevent contaminants from getting into the converter. These ports lead directly to the piezoelectric crystals used to generate the ultrasonics. Several converters have been returned lately that have damaged crystals, either from over-heating due to lack of cooling air or from contamination due to grease or cleaning fluids being introduced into the converters.

Stack Studs

Ten titanium stack studs PN EP5516002 are provided in the maintenance kit with every new machine. They are used to connect the horn to the converter, and - in the case of some machines - the horn and converter booster.

IMPORTANT: Due to the self-tightening action and the degradation of the metal, Branson highly recommends replacing the studs every time the stack is disassembled if the stack has seen more than a few day's worth of welding. Regardless, the studs should be replaced annually.



Stack stud (l), std set screw (r)

NOTE FROM THE EDITOR

Cedar Rapids, Iowa - home to Evergreen Packaging Equipment- was among the areas devastated by a derecho storm on August 10th that swept across Nebraska, Iowa, Indiana, Wisconsin and Michigan. Every square mile of Cedar Rapids was touched by this storm. Per the National Oceanic and Atmospheric Administration, a derecho is a widespread long-lived windstorm that is associated with a band of rapidly moving showers or thunderstorms. We apologize for any inconvenience or interruption in service the results of the storm may have had in our ability

Insert the stud into the horn all the way and tighten to 50Nm (440 in-lb). If using a booster, insert the stud into the booster on the booster/ converter connection. Do not insert and tighten the stud into the converter first.

Mylar Washers

Typically, we provide 1/2-in. Mylar washer PN EP5905250 and 3/8-in. Mylar washer PN 5906467 in the spout maintenance kit.

IMPORTANT: As with the studs, due to the self-tightening action and degradation of the Mylar, Branson highly recommends the same replacement schedule for the Mylar washers as for the stack studs (left). Branson also recommends that Mylar washers NOT be used behind the anvils. The anvil side of the system does not vibrate and needs to be rock solid. Having a washer behind the anvil may actually allow some complimentary vibration to take place, canceling out some of the welding energy. This should simplify things for customers: For the stack, only the 3/8-in. Mylar washers are needed. Customers have no need to carry the 1/2-in. Mylar washers.

I hope this information provides some assistance. If you have questions about this or any other issues, don't hesitate to "Ask An Engineer."

- Jim Goranson, N-8/Spout Engineer

to ship parts to you during that time. We are back up and running at 100%. Thank you for your understanding. Here is a comparison to the damage caused by the derecho to Hurricane Laura:.

Derecho vs Hurricane Laura	
Derecho	Hurricane
Estimated winds of 140 mph	Estimated winds of 150 mph
Lasted about an hour	Lasted Several Hours
1,000,000 power outages	900,000 power outages
Approx 11 billion in damage	Approx 30 billion in damage



Every part you purchase from EVERGREEN PACKAGING EQUIPMENT is backed by our:

- Commitment to quality.
- Technical Service Team (TST) of engineers to answer your questions.
- Team of knowledgeable sales coordinators to make sure you get the part you need, when you need it.
- Emergency parts and service availability 24 hours a day, 7 days a week.
- Experienced field service technicians available to maintain your filler in peak operational condition.
- Six-month warranty.

TO ORDER PARTS:

Email: evergreenparts@everpack.com
Phone: 319-399-3399 or 800-553-5981
Fax: 319-774-2194 or 800-553-5986

TO REQUEST SERVICE TECHNICIAN OR TECHNICAL SUPPORT OR TRAINING:

Phone: 800-391-6083

ANNOUNCEMENT

The Evergreen Packaging facility will be closed on Monday, September 7 for the Labor Day holiday. On that day, we will ship parts and schedule service on an emergency basis only.

Happy holiday!