



INSTRUCTIONS

This manual contains important warnings and information.  
READ AND KEEP FOR REFERENCE.

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# Modification #043

## Retrofit Kit Instructions

### Background

Effective January 29, 1990, all C51988 (2601-601-57) pressure switch assemblies (Barksdale) were replaced by the C51990 (2601-601-57B) pressure switch assembly

### Affected Assemblies:

C51921 (2601-601-1A)  
C51925 (2601-601-1B)  
C51929 (2601-601-1C)  
C51933 (2601-601-1D)  
C51981 (2601-601-5A)

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### Required Parts:

Qty.	Part Number	Old Part Number	Description
1	C51990	2601-601-57B	Pressure Switch Assembly
1	C07645	EKUP14A11-120V	Relay
1	C07646	E27E121	Socket, relay
48"	C17520		#16 AWG Red THHN wire (approx.)
24"	C07508		#16 AWG White THHN wire (approx.)
3			Brady-type wire tags: 2, 45, 47, (tape 905)

# Symbols

## Warning Symbol



This symbol alerts you to the possibility of serious injury or death if you do not follow the instructions.

## Caution Symbol



This symbol alerts you to the possibility of damage to or destruction of equipment if you do not follow the instructions.

## WARNING



INSTRUCTIONS

### EQUIPMENT MISUSE HAZARD

Equipment misuse can cause the equipment to rupture or malfunction and result in serious injury.

- This equipment is for professional use only.
- Read all instruction manuals, tags, and labels before operating the equipment.
- Use the equipment only for its intended purpose. If you are uncertain about usage, call your Graco distributor.
- Do not alter or modify this equipment. Use only genuine Graco parts and accessories.
- Check equipment daily. Repair or replace worn or damaged parts immediately.
- Use fluids and solvents which are compatible with the equipment wetted parts. Refer to the **Technical Data** section of all equipment manuals. Read the fluid and solvent manufacturer's warnings.
- Route hoses away from traffic areas, sharp edges, moving parts, and hot surfaces. Do not expose Graco hoses to temperatures above 180°F (82°C) or below 0°F (–18°C).
- Wear hearing protection when operating this equipment.
- Do not lift pressurized equipment.
- Comply with all applicable local, state, and national fire, electrical, and safety regulations.
- Keep hands and clothing away from any moving parts.

# WARNING



## FIRE AND EXPLOSION HAZARD

Improper grounding, poor ventilation, open flames or sparks can cause a hazardous condition and result in a fire or explosion and serious injury.

- Ground the equipment and the object being treated.
- If there is any static sparking or you feel an electric shock while using this equipment, **stop applying immediately**. Do not use the equipment until you identify and correct the problem.
- Keep the application area free of debris, including solvent, rags, and gasoline.
- Electrically disconnect all equipment in the area.
- Extinguish all open flames or pilot lights in the application area.
- Do not smoke in the application area.
- Do not turn on or off any light switch in the application area while operating or if fumes are present.
- Do not operate a gasoline engine in the application area.



## TOXIC MATERIAL HAZARD

Hazardous material or toxic fumes can cause serious injury or death if splashed in the eyes or on the skin, inhaled, or swallowed.

- Know the specific hazards of the product you are using.
- Store hazardous material in an approved container. Dispose of hazardous material according to all local, state and national guidelines.
- Always wear protective eyewear, gloves, clothing and respirator as recommended by the material manufacturer.

# Retrofit Procedure C51991

## (2601–601–57B, Mod #043)

1. Heat system to operating temperature and remove follower motor assembly from the drum of adhesive.
2. Place a sheet of heavy paper, cardboard, or other disposable material on the elevator baseplate below the follower. Then, lower the follower to the full DOWN position.
3. Remove all power from the unit. Close all manual valves to the header system (if used). Allow the unit to cool for at least 15 minutes.
4. Open the junction box at the rear of the unit and disconnect the wiring from the pressure switch (wires 45, 46, and GND; refer to drawing C51984 (2601–601–A), sheet 3).
5. Remove the pressure switch conduit from the junction box.
6. Remove the pressure switch and sensor, C51988 (2601–601–57), from the manifold.

**NOTE:** Sensor and switch are a sealed unit and must be removed together.

7. Install cord grip C20570 (5259–25) into the hole from which you disconnected the conduit.
8. Remove cable (detail 140, C29677 (17750–35A0)) from proximity/pressure switch C51991 (2601–601–57B). Then install switch into the port from which C51988 (2601–601–57) was removed.

### CAUTION

Do not exceed 10 ft-lbs of torque when installing this device in the port. Recommended torque is 8 to 10 ft-lbs.

9. Reconnect the cable to the proximity/pressure switch. Route the wire through the cord grip and into the junction box, allowing adequate slack so that the cable can be easily removed from the proximity/pressure switch for maintenance. Tighten the cord grip.

10. Strip approximately 6" of jacket from the end of the proximity/pressure switch cable.
11. Connect the wires as follows:  
Red wire to 45  
Red/Black wire to 46  
Green wire to GND
12. Replace the cover on the junction box.
13. Open the main enclosure door.
14. Install relay socket C07646 (E27E121) onto the subplate in the row of relays directly above the level controls. Refer to sheet 2 of the electrical schematic for your system.

### CAUTION

Ensure that metal debris from drill and tap operations does not enter wireways or the level controls.

15. Remove 2TR from its socket.
16. Remove wire 46 from terminal A on 2TR and install it on terminal A of the new socket (installed in step 14).
17. Install red 16 AWG THHN wire from terminal 1 on the new socket to terminal A of the socket for 2TR. Label this wire 47.
18. Install red 16 AWG THHN wire from 45 at the terminal strip to terminal 7 of the new socket. Label this wire 45.
19. Install white 16 AEG THHN wire from 2 at the terminal strip to terminal B of the new socket. Label this wire 2.
20. Replace 2TR in its socket.
21. Install relay C07645 (EKUP14Q11–120V) in the new socket. Label this relay 12CR.
22. Replace all wireway covers that were removed in the previous steps.
23. Close the main enclosure door.

24. Remove the cable from the proximity/pressure switch, then remove the proximity switch from the switch housing.
25. Apply power to the system and allow it to heat to operating temperature.
26. Open all manual valves (closed in step 3).
27. Put on protective clothing (face shield, gloves, sleeves, etc.) in accordance with your company requirements and the instructions in your system's manual.

## **WARNING**

Hot materials can cause severe burns. Take proper precautions.

28. Check the fitting at the proximity/pressure switch port for tightness.

## **CAUTION**

Use caution—the equipment is now HOT!

29. Raise the elevator (ram), allowing the follower/pump assembly to rise to the fully raised position.

30. Carefully remove the paper, cardboard, or other covering (from step 2) and dispose of properly.

**NOTE:** Always comply with local, state, and federal regulations regarding disposal of waste materials.

31. Install a drum of adhesive in the supply unit as instructed in you system manual.

32. Clean any spilled adhesive from the top of the follower and around the pump. Dispose of waste material properly.

33. Resume normal operation of the pump.

# Graco Standard Warranty

Graco warrants all equipment manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale by an authorized Graco distributor to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

Graco makes no warranty, and disclaims all implied warranties of merchantability and fitness for a particular purpose in connection with accessories, equipment, materials or components sold but not manufactured by Graco. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

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# Graco Phone Number

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**1-800-367-4023 Toll Free**

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