

# Pro-Flo<sup>®</sup> III Gun Air Cap Cover Retrofit Procedures



**WARNING:** Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.

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## 1. Introduction

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Pro-Flo III standard flow and hi-flo dispensing guns are shipped with a spring closure assembly installed. An air cap cover is also shipped with each gun and includes

- **Pro-Flo III Standard Flow:** an air cap cover, a spring which is not part of the spring closure assembly, and the screws necessary for installation
- **Pro-Flo III Hi-Flo:** an air cap cover and the screws necessary for installation

Use the following procedures to retrofit an air cap cover on a Pro-Flo III gun.

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## 2. Remove the Spring Closure Assembly

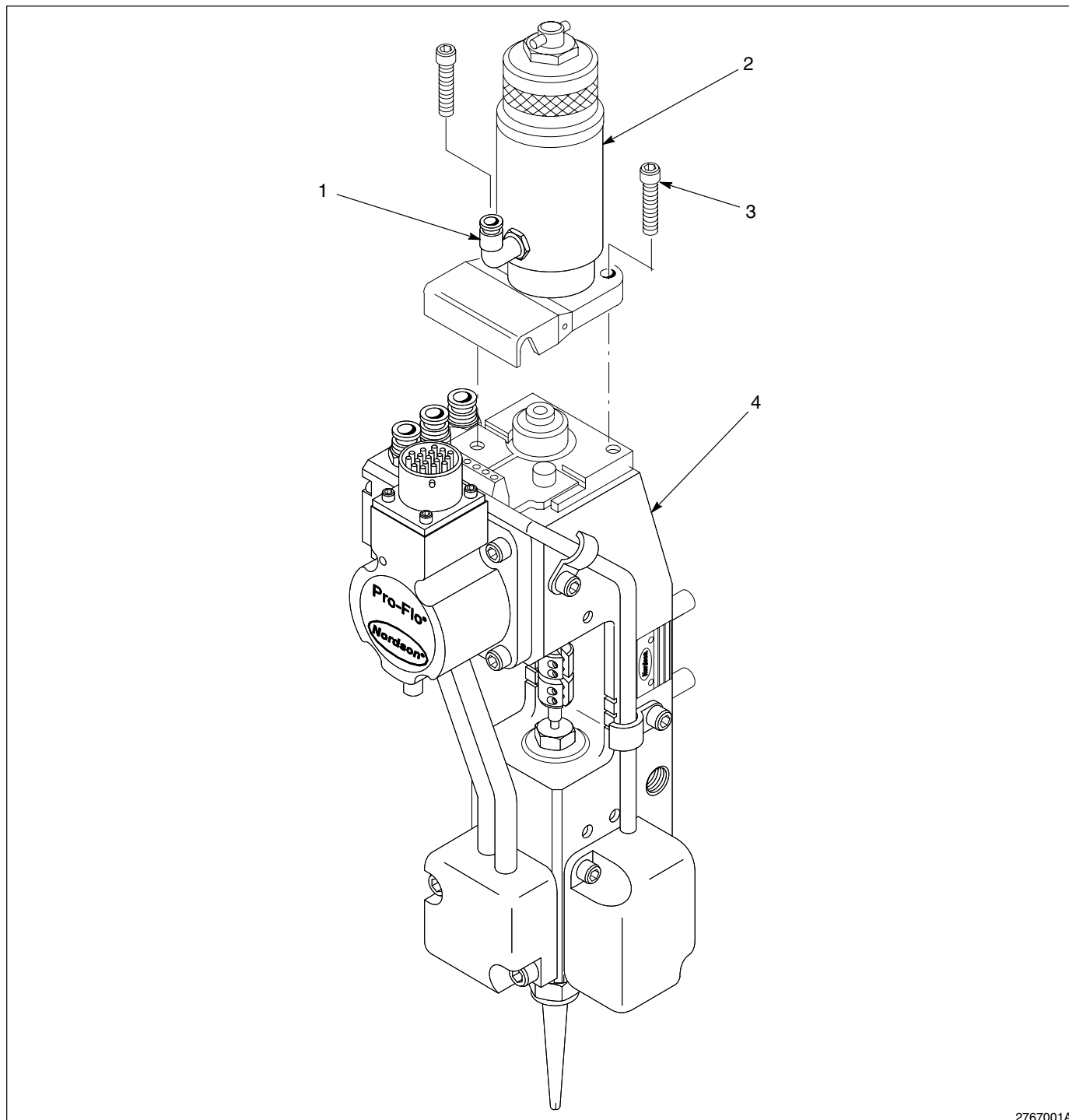
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Follow these procedures to remove the spring closure assembly from a Pro-Flo III standard flow or hi-flo gun.

[See Figure 1.](#)

1. Purge the gun to relieve the pressure in the hose and gun.
2. Shut off and lock out all power to the system.
3. Disconnect the air supply tubing from the spring closure air inlet fitting (1).
4. Loosen and remove the screws (3) that secure the spring closure assembly (2) to the actuator body (4).
5. Remove the spring closure assembly.

## 2. Remove the Spring Closure Assembly (contd)



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Fig. 1 Remove the Spring Closure Assembly

- 1. Air inlet fitting
- 2. Spring closure assembly

3. Screws

4. Actuator body

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### **3. Install the Air Cap Cover**

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**NOTE:** The air cap cover for the Pro-Flo III hi-flo gun does not include a spring. For more information, refer to *Pro-Flo III Hi-Flo Gun* in this section.

#### ***Pro-Flo III Standard Flow Gun***

Follow these procedures to install an air cap cover and its spring on a Pro-Flo III standard flow gun.

[See Figure 2.](#)

1. Install the spring (3) and air cap (2) on the actuator body (4).
2. Tighten the screws (1) to 6.2–6.8 N•m (55–60 in.-lb).
3. Return power to the system.
4. Turn on the drum unloader and check for leaks in the hose and fittings.
5. Purge the gun to remove air from the hoses and gun.

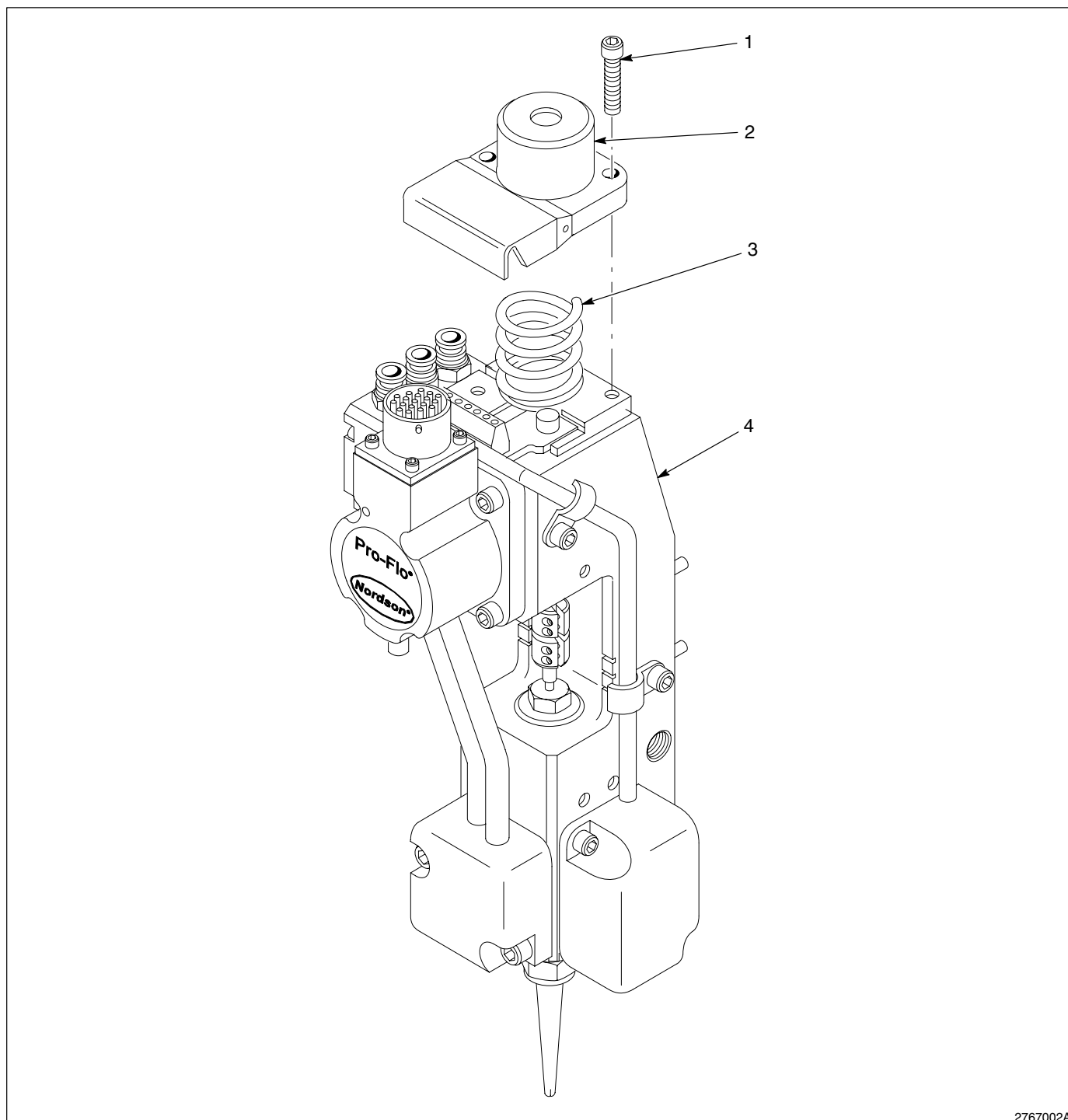
#### ***Pro-Flo III Hi-Flo Gun***

Follow these procedures to install an air cap cover on a Pro-Flo III hi-flo gun.

[See Figure 2.](#)

1. Install the air cap (2) on the actuator body (4).
2. Tighten the screws (1) to 6.2–6.8 N•m (55–60 in.-lb).
3. Return power to the system.
4. Turn on the drum unloader and check for leaks in the hose and fittings.
5. Purge the gun to remove air from the hoses and gun.

### 3. Install the Air Cap Cover (contd)



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Fig. 2 Install the Air Cap Cover

- 1. Screws
- 2. Air cap

3. Spring (standard flow gun only)

4. Actuator body

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