

Lever-Operated Grease Gun

Description

Each model gun is designed for 3-way loading; cartridge, loader pump, and suction. Refer to **Page 2** for details.

Each gun is also equipped with a Loader Fitting that allows filling directly from a hand-operated loader pump. See **Figure 5**.

The guns are spring-primed and deliver 1 ounce (28.4 grams) of grease in 33 strokes. The check valve can be disassembled for cleaning.

These guns are designed with Buna-N (Nitrile) seals for compatibility with petroleum-based greases.

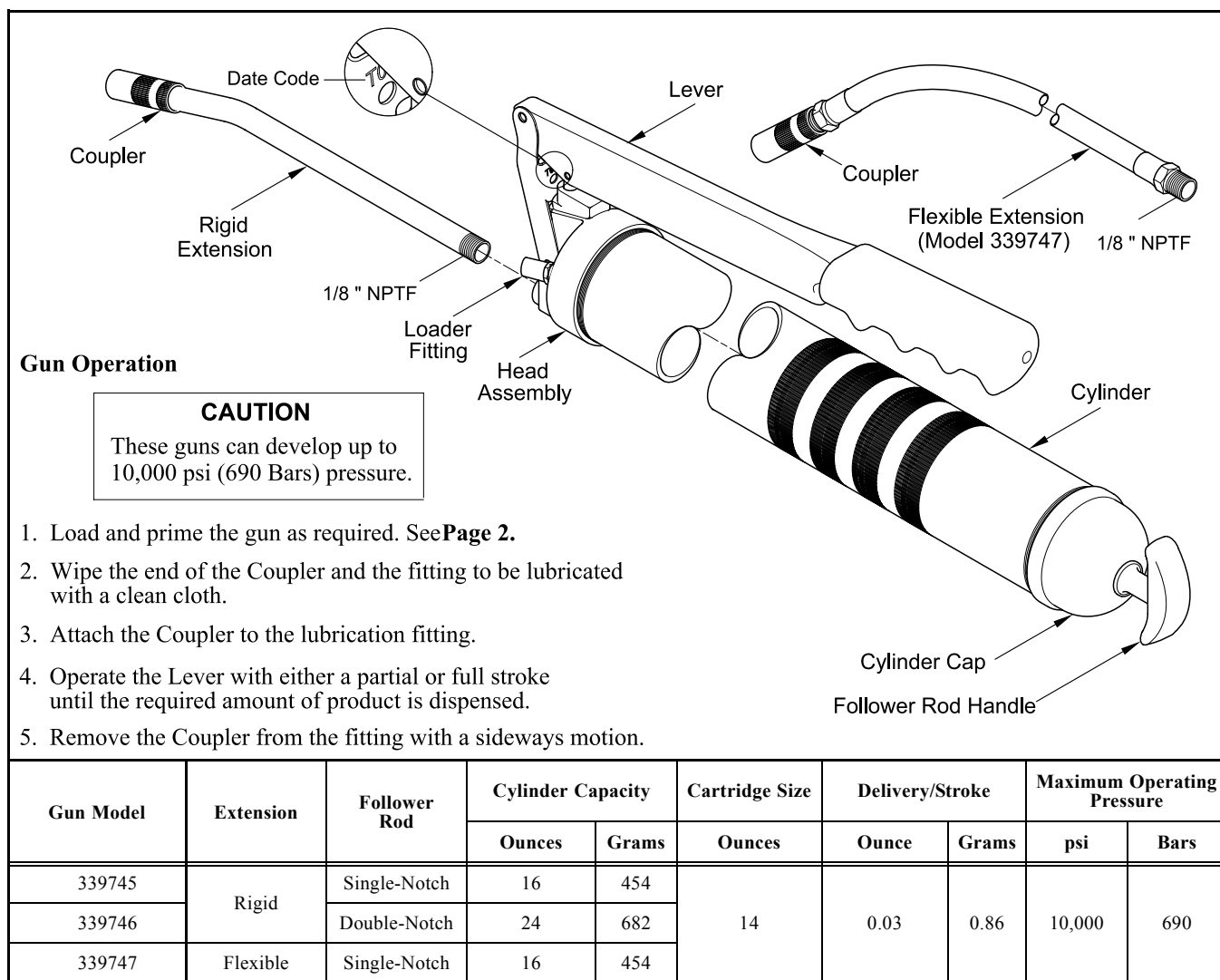


Figure 1 Lever-Operated Grease Gun Models 339745, 339746, and 339747

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Loading the Gun

IMPORTANT: Warranty may be void if these procedures are not explicitly followed.

Cartridge Loading


1. Unscrew the Head Assembly from the Cylinder.
2. Pull the Follower Rod outward from the Cylinder Cap.
3. Engage the groove* in the Follower Rod with the slot in the Cylinder's Cap. See **Figure 2**.
4. Remove the plastic cap from the cartridge and discard.
5. Apply a film of grease to the exposed inside surface of the cartridge.

NOTE: This is only necessary for a virgin gun.

6. Insert the cartridge into the Cylinder (open end first) until the metal lip seats.
7. Remove the tabbed seal from the cartridge and discard.
8. Screw the Head Assembly onto the Cylinder.
 - Tighten the Head Assembly securely to the Cylinder.
9. Disengage the Follower Rod from the slot in the Cylinder's Cap.
10. Push and rotate the Follower Rod into the Cylinder.
11. Prime the gun. Refer to the section entitled **Priming the Loaded Gun** for details.

Loading the Gun from a Loader Pump

WARNING

 The gun is equipped with a low-pressure Loader Fitting. Do not substitute with a high-pressure grease fitting. Personal injury can occur due to excessive pressure.

The use of a grease fitting will void the warranty.

1. Wipe the Loader Fitting with a clean cloth.

* Engage the first groove on Model 339746. The second groove is used when filling from a loader pump or suction loading.

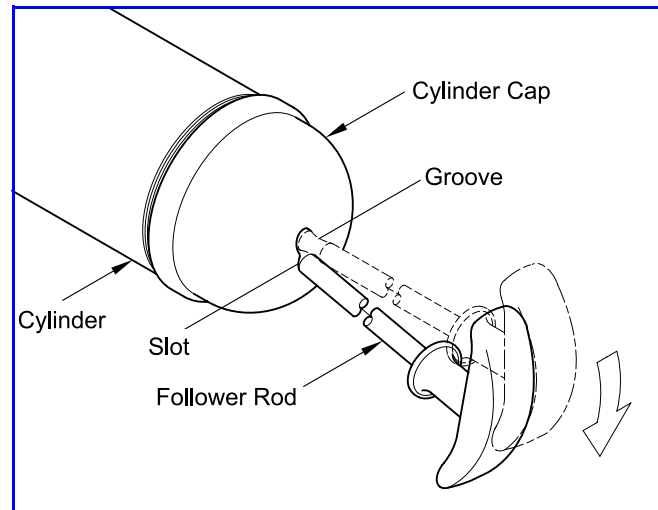


Figure 2 Follower Rod Engaged in Cylinder Cap Slot

CAUTION

The Loader Fitting on the gun must mate with the loader coupler. The pump may not operate if the components are not compatible.

2. Pull the Follower Rod outward from the Cylinder Cap. At the same time, rotate the Rod to allow the Locking Tabs access through the Back-Up Plate. See **Figure 3**.
3. Rotate the Rod and allow the Locking Tabs to contact the Back-Up Plate. See **Figure 4**.
4. Remove the cap on the pump's loader coupler.
5. Seat the Loader Fitting into the loader coupler. See **Figure 5**.

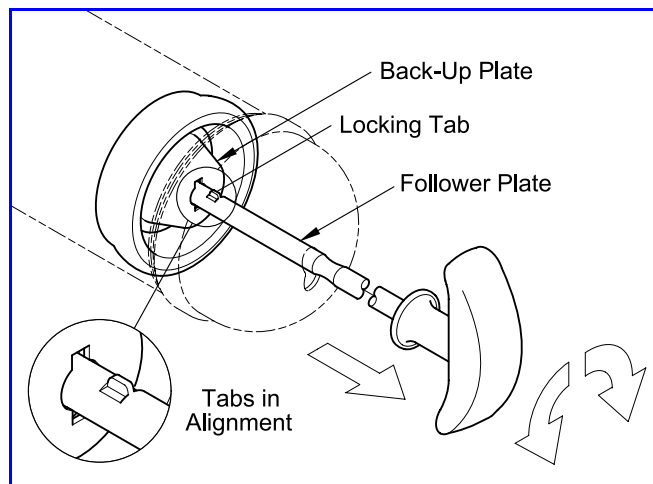


Figure 3 Follower Rod Locking Tabs Aligned with Back-Up Plate

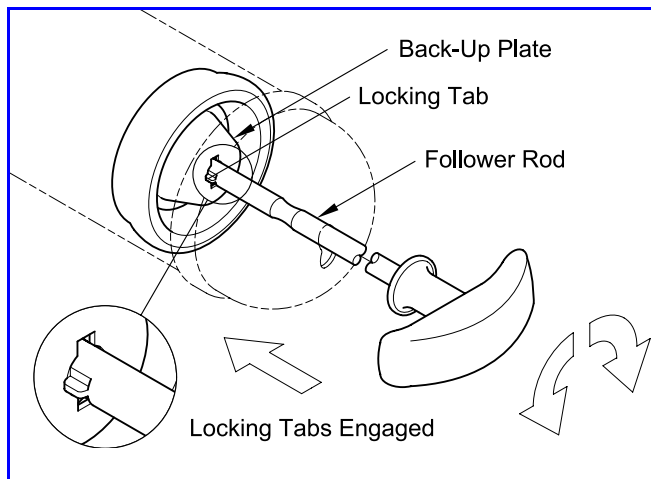


Figure 4 *Follower Rod Engaged with Back-Up Plate*

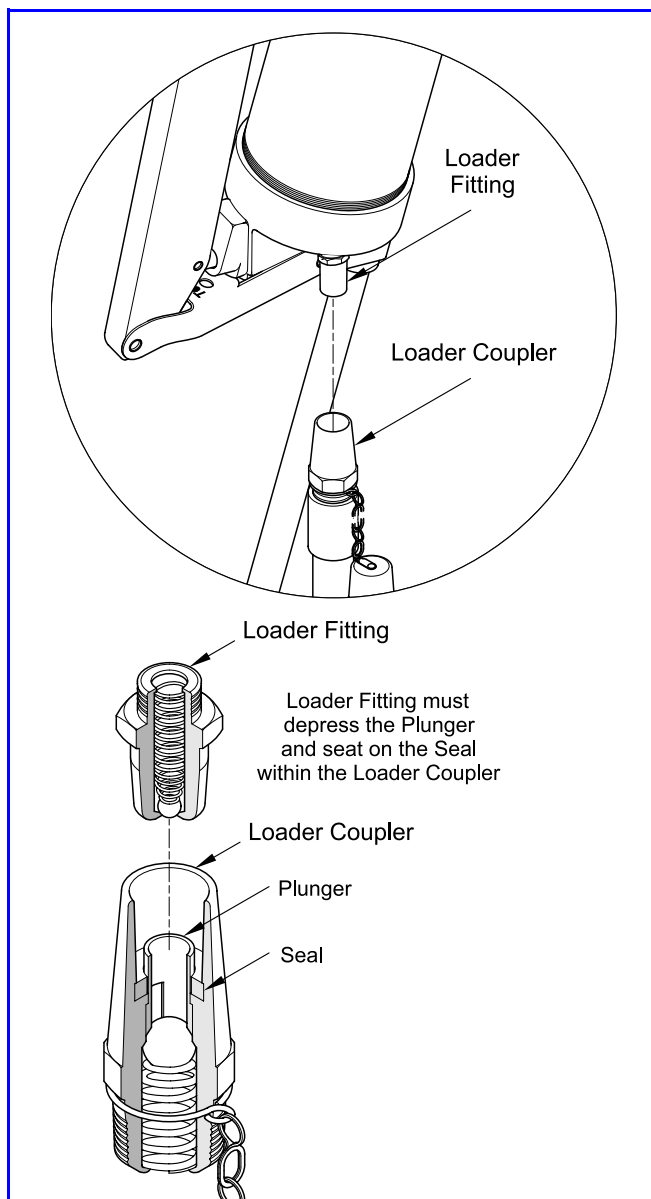


Figure 5 *Loader Fitting and Loader Coupler Section View*

6. Operate the pump and view the movement of the Follower Rod.
7. Discontinue pump operation once the groove* on the Follower Rod is visible.
8. Push and turn the Follower Rod into the Cylinder.
9. Prime the gun. Refer to the section entitled **Priming the Loaded Gun** for details.

Suction Loading

1. Unscrew the Head Assembly from the Cylinder.
2. Insert the head of the Cylinder below the surface of the grease.
3. Slowly pull the Follower Rod outward from the Cylinder Cap until the groove* is visible.
4. Engage the groove in the Follower Rod with the slot in the Cylinder's Cap. See **Figure 2**.
5. Screw the Head Assembly onto the Cylinder.
 - Tighten the Head Assembly securely.
6. Push and rotate the Follower Rod into the Cylinder.
7. Prime the gun. Refer to the section entitled **Priming the Loaded Gun** for details.

* Locate the second groove on model 339746.

Priming the Loaded Gun

Overview

Priming is the act of removing air and introducing grease into the gun's pumping mechanism.

Whether a gun primes is dependent on the:

- viscosity of the grease
- temperature of the grease
- condition of the gun

Operate the Gun

In most cases the gun will prime simply by operating the Lever several times.

Should grease fail to appear, the Head Assembly must be bled.

Force Prime

This process manually bleeds air at the Head Assembly.

1. Pull the Follower Rod outward from the Cylinder Cap. At the same time, rotate the Rod to allow the Locking Tabs access through the Back-Up Plate.
 - See **Figure 3**.
2. Rotate the Rod and allow the Locking Tabs to contact the Back-Up Plate. See **Figure 4**.
3. Move the gun's Lever to the open position.
 - See **Figure 6**.

4. Loosen the Head Assembly from the Cylinder.
5. Push the Follower Rod into the gun's Cylinder.

Once the air is eliminated:

6. Tighten the Head Assembly securely to the Cylinder.
7. Operate the Lever of the gun several times.

Once grease appears:

8. Push and turn the Follower Rod into the Cylinder.

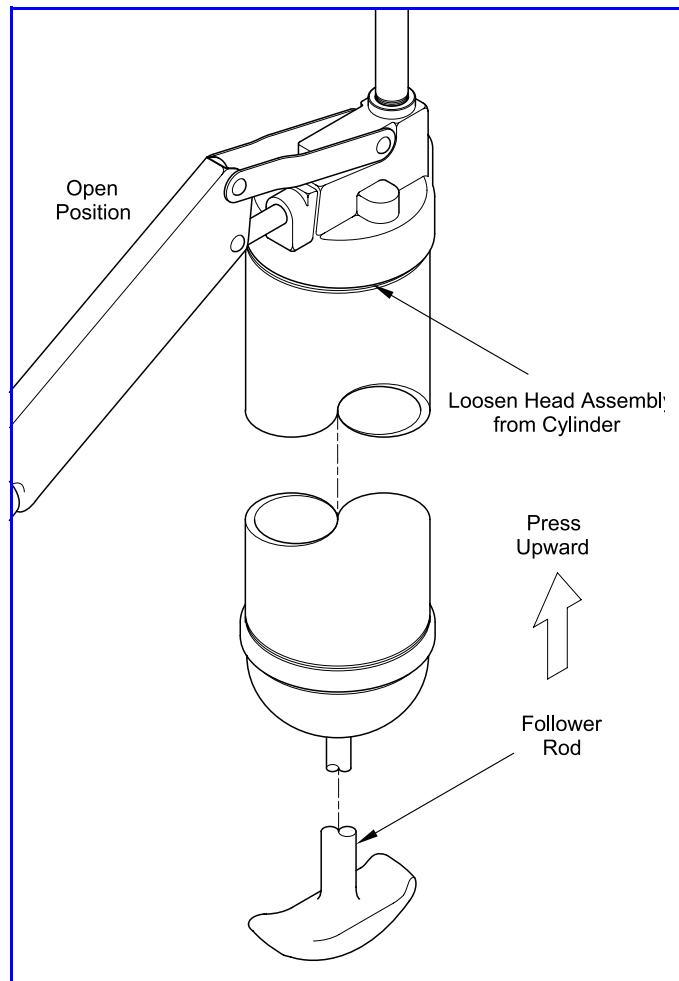


Figure 6 Force Priming the Gun

Loss of Prime

A situation may arise when only a portion of the grease within the gun dispenses. The most common cause for this loss of prime is due to an air pocket in the grease.

The reasons previously stated as to whether a gun primes are additional conditions that can cause a loss of prime:

- viscosity of the grease
- temperature of the grease
- condition of the gun

Additional conditions are:

- damaged cartridge
- type of grease *

* Certain synthetic greases can react with the follower causing it to swell.

Changes Since Last Printing

Initial Release