Milton S-3101

Milton S-3101 Pistol Grease Gun User Manual

High Pressure, High Volume

1. Product Overview

The Milton S-3101 Pistol Grease Gun is engineered for efficient lubrication across various applications, including automotive, industrial, and agricultural environments. This kit provides a complete solution with the grease gun, a coupler, and an 18-inch flexible hose extension, designed to reach challenging lubrication points. It is compatible with standard 14-ounce grease cartridges, bulk fill methods, or dispenser/filler pumps, delivering a maximum pressure of 7,000 PSI.



Description: An overall view of the Milton S-3101 Pistol Grease Gun, highlighting its 7,000 PSI capability and adjustable stroke feature. The image shows the gun with its flexible hose extension and coupler.

1.1. Key Features

- **Complete Kit:** Includes one grease gun rated at 7,000 PSI, one coupler, and an 18-inch flexible hose extension for immediate use.
- **Adjustable Stroke Handle:** Designed to support both high-pressure and high-volume applications, enhancing versatility.
- **High-Pressure Performance:** Capable of delivering up to 7,000 PSI for reliable and effective grease application.
- **18-inch Flexible Hose:** Provides extended reach for lubricating fittings in narrow, tight, or otherwise difficult-to-access areas.
- **Multiple Fill Options:** Can be filled using standard 14-ounce grease cartridges, bulk fill methods, or dispenser/filler pumps.
- **Pistol-Style Design:** Offers comfortable handling, improved control, and easier aiming during lubrication tasks.

2. Setup and Assembly

2.1. Components Identification

Refer to the diagram below to identify the main components of your Milton S-3101 Pistol Grease Gun.



Description: An illustration of the Milton S-3101 Pistol Grease Gun, labeling its key parts such as the Adjustable Stroke Handle, Combined Bulk Loader & Air Release Valve, Pistol Grip Handle, Heavy Duty Steel Barrel, Steel End Cap, Plunger Rod Handle, Steel Coupler, and 18-inch High Pressure Flexible Hose & Coupler.

2.2. Loading Grease

2.2.1. Cartridge Loading Method

1. Remove the gun head by rotating it in an anticlockwise direction.
2. Pull the Plunger Rod Handle all the way back.
3. Remove the plastic cap from the grease cartridge and insert the cartridge into the grease gun barrel.
4. Remove the pull-tab seal from the cartridge.
5. Screw the gun head tightly back onto the barrel.



Remove the gun head by rotating it in anticlockwise direction
Pull Plunger Rod Handle all the way back
Remove plastic cap from the cartridge and insert into grease gun barrel
Now remove pull-tab seal & Screw gun head tightly back onto barrel



Remove the gun head by rotating it in anticlockwise direction
Insert open end of barrel about 2” into grease container
Slowly pull plunger rod handle to draw in grease while pushing grease gun deeper
Shake grease gun to allow grease to settle & screw head back on

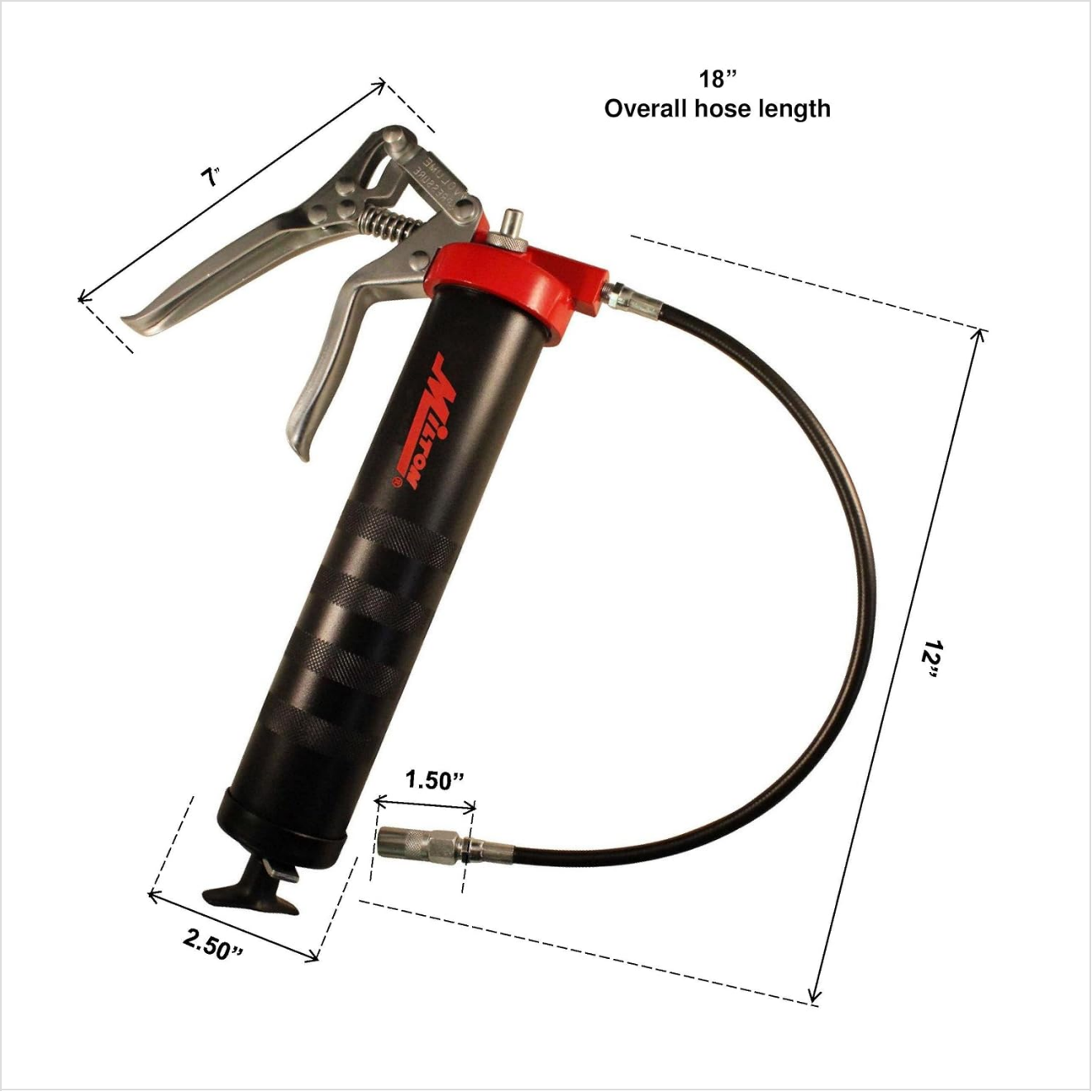


Wipe grease gun’s bulk loader valve free of grease
Connect the bulk loader cum Air Release Valve tightly on the grease loader adapter
Start operating transfer pump, keeping your hand on grease gun
Once gun barrel is filled, pumping would get very hard
Stop & disconnect Bulk Loader cum Air release valve

Description: A user demonstrating the process of loading a grease cartridge into the Milton S-3101 Pistol Grease Gun. The image shows the gun head removed, the plunger rod pulled back, and a grease cartridge being inserted into the barrel.

2.2.2. Bulk Fill Method

1. Remove the gun head by rotating it in an anticlockwise direction.
2. Insert the open end of the barrel approximately 2 inches into the grease container.
3. Slowly pull the plunger rod handle to draw in grease while pushing the grease gun deeper into the container.
4. Gently shake the grease gun to allow grease to settle.
5. Screw the gun head back onto the barrel.



Description: A user demonstrating the bulk fill method for the Milton S-3101 Pistol Grease Gun. The image shows the gun barrel submerged in a container of grease, with the plunger rod being pulled to draw grease into the gun.

2.2.3. Dispenser/Filler Pump Method

1. Clean the grease gun's bulk loader valve to ensure it is free of grease.
2. Connect the bulk loader cum Air Release Valve tightly onto the grease loader adapter.
3. Begin operating the transfer pump, maintaining a firm grip on the grease gun.
4. When the gun barrel is full, pumping will become noticeably harder.
5. Stop pumping and disconnect the Bulk Loader cum Air Release valve.

2.3. Initial Priming and Air Release

After loading grease, it is crucial to prime the grease gun to remove any trapped air. Locate the air release valve (often integrated with the bulk loader valve) and open it slightly while operating the gun until grease flows smoothly. Close the valve once all air is purged.

2.4. Attaching the Hose and Coupler

Screw the 18-inch flexible hose extension onto the grease gun head. Attach the coupler securely to the other end of

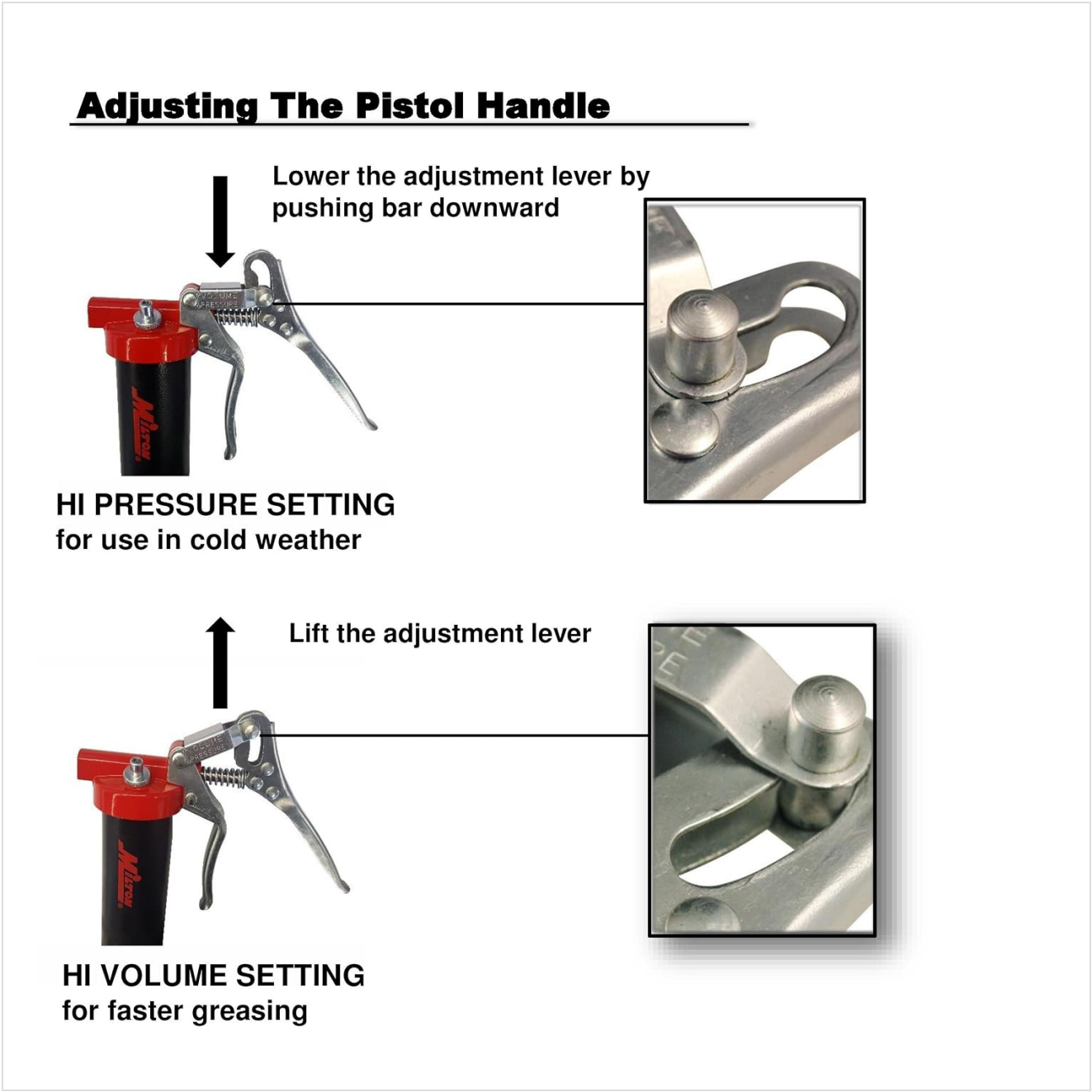
the hose. Ensure all connections are tight. For optimal performance and to prevent leaks, applying Teflon tape to threaded connections (gun head to body, hose to gun head, and hose to coupler) is recommended before assembly.

3. Operation

3.1. Adjusting Pressure and Volume

The Milton S-3101 features an adjustable stroke handle to switch between high-pressure and high-volume settings, adapting to different lubrication needs.

- **High Pressure Setting (for cold weather or stubborn fittings):**Lower the adjustment lever by pushing the bar downward. This setting provides maximum force for difficult lubrication points.
- **High Volume Setting (for faster greasing):** Lift the adjustment lever. This setting delivers more grease per stroke for quicker lubrication of accessible points.



Description: A diagram illustrating how to adjust the pistol handle of the Milton S-3101 Grease Gun. It shows two positions: one with the lever lowered for the "HI PRESSURE SETTING" and another with the lever lifted for the "HI VOLUME SETTING".

3.2. Applying Grease

1. Ensure the grease gun is properly loaded and primed.
2. Select the appropriate pressure/volume setting using the adjustable stroke handle.
3. Connect the coupler firmly to the grease fitting (Zerk fitting) on the component to be lubricated.
4. Operate the pistol grip handle to dispense grease. Continue pumping until fresh grease appears or resistance increases.
5. To disconnect the coupler, apply a slight tilt and twist motion while pulling it off the fitting. If it remains stuck, slightly loosen the threaded connection between the coupler and the hose by a couple of turns to relieve pressure, then try to remove it. Remember to retighten the connection after removal.

4. Maintenance

4.1. Cleaning

Regularly wipe down the exterior of the grease gun to remove excess grease and dirt. Keep the coupler and hose clean to prevent contamination of grease fittings and ensure proper function.

4.2. Storage

Store the grease gun in a clean, dry place away from extreme temperatures. If storing for an extended period, ensure it is free of old grease and properly capped to prevent contamination and maintain its condition.

4.3. Inspection

Periodically inspect the hose, coupler, and seals for any signs of wear, cracks, or damage. Replace any worn components promptly to maintain optimal performance, prevent leaks, and ensure safe operation.

5. Troubleshooting

5.1. Grease Not Dispensing / Air Lock

If grease is not dispensing or the gun feels "air locked":

- **Check Priming:** Ensure the gun is properly primed. Open the air release valve slightly and pump the handle until grease flows, then close the valve.
- **Cartridge Issues:** Verify the grease cartridge is correctly installed and that the pull-tab seal has been completely removed.
- **Plunger Position:** Ensure the plunger rod is fully engaged and effectively pushing the grease forward. If the plunger is stuck or not moving, remove the bottom cap and gently push it into the correct position.

5.2. Coupler Stuck on Fitting

If the coupler is difficult to remove from a grease fitting:

- **Tilt and Twist:** Apply a slight tilt and twist motion while pulling the coupler off.
- **Loosen Connection:** If still stuck, slightly loosen the threaded connection between the coupler and the hose by a couple of turns. This can relieve pressure and allow easier removal. Remember to retighten the connection after removal.

5.3. Leaks

If grease is leaking from connections:

- **Tighten Connections:** Ensure all threaded connections (gun head, hose, coupler) are securely tightened.

- **Teflon Tape:** Consider applying Teflon tape to threaded connections during assembly to improve sealing and prevent leaks.
- **Inspect Seals:** Check O-rings and internal seals for wear or damage and replace them if necessary.

6. Specifications

Feature	Detail
Model Number	S-3101
Maximum Pressure	7,000 PSI (483 Bar)
Hose Length	18 inches (flexible)
Grease Cartridge Size	14 oz. standard
Fill Options	Cartridge, Bulk Fill, Dispenser/Filler Pump
Product Dimensions	15 x 28 x 3 inches
Item Weight	1.6 ounces
Manufacturer	Milton Industries, Inc.



Description: A detailed diagram of the Milton S-3101 Pistol Grease Gun with key dimensions labeled, including an 18-inch overall hose length, 7-inch handle length, 12-inch body length, 1.50-inch barrel diameter, and 2.50-inch plunger handle width.

7. Product Video

7.1. S-3101 Pistol Grease Gun Overview

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Description: This video provides an overview of the Milton S-3101 Pistol Grease Gun, demonstrating its features, including the 18-inch high-pressure hose extension, and its application in auto, industrial, and agricultural settings. The video highlights the gun's versatility and ease of use for various lubrication tasks.

8. Warranty and Support

8.1. Warranty Information

For specific warranty details regarding your Milton S-3101 Pistol Grease Gun, please refer to the documentation

included with your product at the time of purchase or visit the official Milton Industries website. It is advisable to retain your purchase receipt as proof of purchase for warranty claims.

8.2. Customer Support

If you encounter any issues, have questions, or require technical assistance concerning your Milton S-3101 Pistol Grease Gun, please contact Milton Industries customer support. Contact information, including phone numbers and email addresses, can typically be found on the product packaging or on the manufacturer's official website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question