

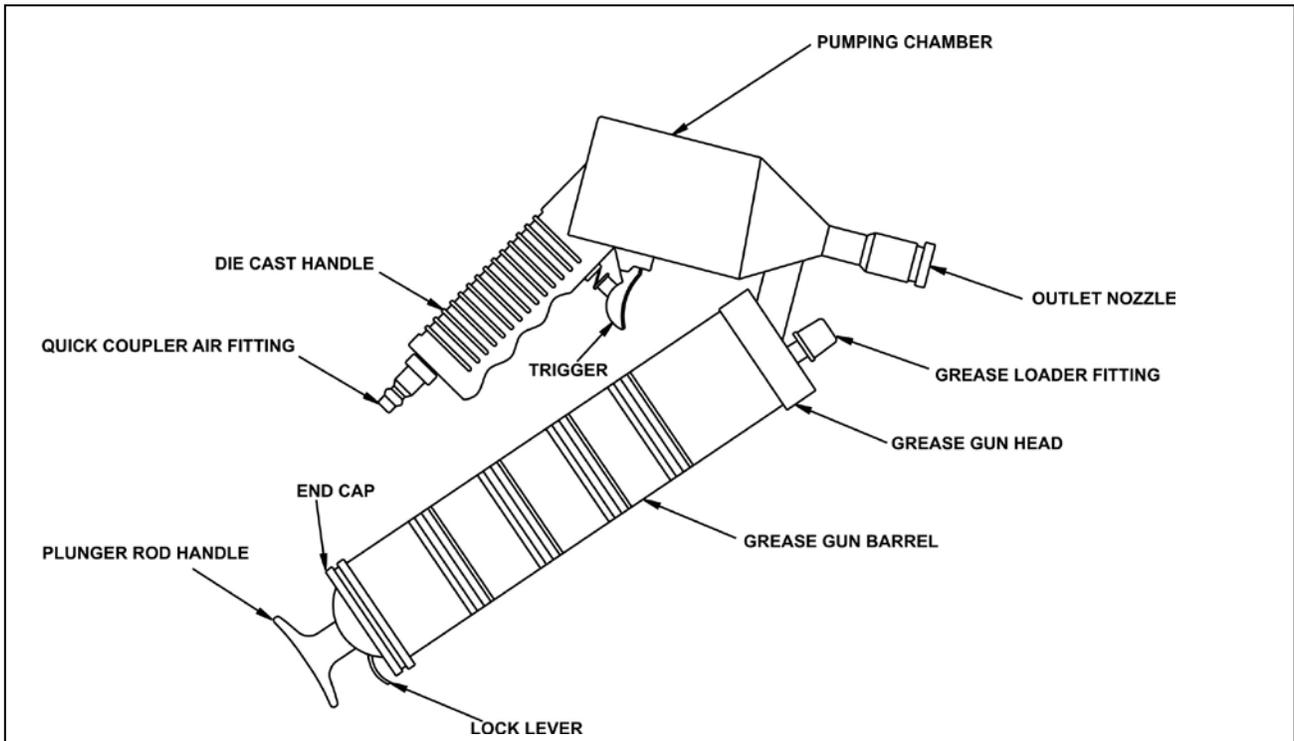


Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference. Note that this is a general service instruction sheet. All specifications as detailed in this sheet may not match your air grease gun exactly

## Air Operated Continuous Action Grease Gun

### Description

Designed for general lubrication of equipment and machines that are equipped with grease fittings. Grease can also be applied to bearing surfaces that require lubrication.



### Specifications

Handle Style	Air Inlet Pressure	Discharge Per minute	Pressure Ratio	Compressed Air Volume	Grease Filling Options		
					Cartridge	Bulk	Filler Pump
Pistol	40-120 PSI (3- 8 BAR) Recommended: 90 PSI (6 BAR)	14 oz. (400 gms)	40:1	1 CFM minimum	Y	Y	Y*

\* For grease guns fitted with bulk loader valve on grease gun head

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## General Safety Information

Always wear safety glasses when using a grease gun. Keep work area clean and remove any excess grease from tools, hands, and clothing after use. Do not use grease gun whip hose for other applications or at pressure levels above rated pressures.

**▲ CAUTION** *Excess grease, if left on floors, tools, or equipment, can create surfaces that become slippery.*

## GETTING READY TO USE THE AIR POWERED GREASE GUN:

**Air Supply:** You need dry air to operate this gun. Make sure an FRL (Filter, Regulator, and Lubricator) unit is installed in your airline. Moisture in the air will damage the grease gun. The compressor you use must have a minimum volume of 1 CFM (0.026 cubic meter). Inlet air supply should have a pressure between 40-120 PSI (3-8 BAR). The recommended working pressure is 90 PSI (6 BAR). This grease gun has a 40:1 pressure ratio; i.e. the grease discharge pressure will be 40 times the inlet air pressure.

**Lubrication:** Like all air equipment, this grease gun needs regular lubrication. To lubricate, add a few drops of oil through the air inlet on the grease gun. It is recommended to use SAE 30 or greater oil.

### Connecting the grease gun to air supply:

There are several types of quick connect couplers available in the market. This grease gun comes with one standard male quick connect coupler. The coupler must fit properly onto the female quick connect coupler on your airline. If it does not fit properly, use a coupler that does.

**Operating the grease gun trigger :** This is a continuous action grease gun, whereby there is continuous grease discharge with the trigger pressed. Care must be taken not to over-lubricate due to continuous action. Grease gun is capable of dispensing a full 14 oz. (400 gms) grease cartridge in 1 minute.

### SETTING UP THE GREASE GUN HEAD:

Attach the male quick connect coupler air fitting onto the air inlet on the die cast handle. The male quick connect coupler air fitting has ¼" NPT threads and should be threaded into the female hole on the die cast handle using thread sealant. The connection should be tight.

**▲ CAUTION** *Grease or empty cartridge in barrel is under pressure from the internal spring, use caution when removing either end of the barrel.*

## PREPARING TO LOAD YOUR GREASE GUN:

1. Remove any cartridge in the grease gun barrel prior to refilling. To check if a cartridge is in the barrel first compress the spring by pulling the plunger handle out to its maximum distance and lock it in place.
2. Remove the grease gun head by turning it counter clockwise.
3. Remove any empty cartridge.

**There are 3 ways to load your grease gun: cartridge, bulk, or filler pump. Always follow the steps listed above in preparing to load your grease gun before proceeding to the appropriate loading method.**

## LOADING GREASE GUN CARTRIDGES:

1. Make sure the gun is disconnected from the air supply. Loosen but do not remove the grease gun head from the grease gun barrel by turning the grease gun head in a counter clockwise direction 1 ½ turns. Pull back & lock the plunger handle all the way to the end of the travel so the grease cartridge can be fully inserted.
  2. Now rotate the grease gun head in a counter clockwise direction to unscrew the grease gun head from the barrel completely.
  3. Remove the plastic cap from the grease cartridge and insert the open end of the cartridge into the grease gun barrel until the rim of the pull-tab end meets the rim of the grease gun barrel. Now remove the pull-tab seal.
  4. Screw the head of the gun onto the barrel, but do not fully tighten the barrel. For now leave at least 2-3 turns before the barrel is fully tightened against the gasket in the head.
  5. Unlock the plunger rod handle from the end cap.
  6. Move the plunger rod forward and backward to force out any trapped air pockets from the grease. Air will escape from the connection between the grease gun head and the barrel, which is not fully tightened.
  7. Reconnect the air supply and "prime" the system by pressing the trigger until the grease starts coming out of the discharge nozzle. Initial grease discharge may have trapped air. Once the gun has been primed, fully tighten the grease gun head onto the barrel.
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8. Push the plunger rod into the barrel for easier maneuverability during use.
  9. You should now connect the grease gun extension and coupler onto the grease gun outlet. The connection between the extension and grease gun must be tight and it is advisable to use a thread sealant to ensure a leak-proof joint.

**▲ CAUTION** *Do not apply excessive torque or over-tighten the grease gun extension as this will apply undue stress to the die cast outlet and may cause it to fracture.*

10. Press the trigger until grease flows out from the coupler. The grease pressure can be adjusted by regulating the inlet air pressure. Grease pressure is 40 times greater than the air inlet pressure.

**▲ CAUTION** *Note that this is a continuous flow grease gun & will keep dispensing grease while the trigger is pressed. Be careful not to over lubricate!*

## LOADING GREASE GUN USING BULK GREASE:

**NOTE:** Always remove any cartridges from the grease gun prior to bulk filling.

1. Make sure the gun is disconnected from the air supply. Loosen but do not remove, the grease gun head from the grease gun barrel by turning the grease gun head in a counter clockwise direction 1 ½ turns. Pull back the plunger rod handle all the way to the end & lock the handle.
2. Now rotate the grease gun head in the counter-clockwise direction to unscrew the grease gun head from the barrel completely. Release plunger handle and allow the handle to move to its most forward position.
3. Insert the open end of the barrel about 2" into the grease.
4. Slowly pull the plunger rod handle while pushing the barrel deeper into the grease until the plunger rod is all the way extended.
5. The grease gun barrel should now be filled with grease. The barrel's outside surface will have a lot of grease sticking to it, wipe off all excess grease before use.
6. Screw the head of the gun onto the barrel, but do not fully tighten the barrel. For now leave at least 2-3 turns before the barrel is fully tightened against the gasket in the head.
7. Unlock the plunger rod handle from the end cap.
8. Move the plunger rod forward and backward to force out any trapped air pockets from the

grease. Air will escape from the connection between the grease gun head and the barrel, which is not fully tightened.

9. Reconnect the air supply and "prime" the system by pressing the trigger until the grease starts coming out of the discharge nozzle. Initial grease discharge may have trapped air. Once the gun has been primed, fully tighten the grease gun head onto the barrel.
10. Push the plunger rod into the barrel for easier maneuverability during use.
11. You should now connect the grease gun extension and coupler onto the grease gun outlet. The connection between the extension and grease gun must be tight and it is advisable to use a thread sealant to ensure a leak-proof joint.

**▲ CAUTION** *Do not apply excessive torque or over-tighten the grease gun extension as this will apply undue stress to the die cast outlet and may cause it to fracture.*

12. Press the trigger until grease flows out from the coupler. The grease pressure can be adjusted by regulating the inlet air pressure. Grease pressure is 40 times greater than the air inlet pressure.

**▲ CAUTION** *Note that this is a continuous flow grease gun & will keep dispensing grease while the trigger is pressed. Be careful not to over lubricate!*

## LOADING GREASE GUN USING A FILLER PUMP: (for models fitted with bulk loader valve on grease gun head)

**NOTE:** Always remove any cartridges from the grease gun prior to filling by filler pump.

1. Wipe the grease gun's bulk loader clean.
2. Make sure that the filler pump is fully primed. Do this by operating the lever handle on the pump to make sure there is grease discharge.
3. Connect the bulk loader valve on the grease gun to the bulk loader adapter on the grease gun filler pump. The connection must be tight. If the two do not fit together properly, change one or both as needed.
4. Operate the pump to fill grease into the barrel.

**▲ CAUTION** *Do not overfill grease as this may result in grease leaking from the joints.*

5. Disconnect the grease gun loader adapter from the filler pump. Slightly loosen the grease gun head 2-3 turns.
6. Unlock the plunger rod handle from the end cap.

7. Move the plunger rod forward and backward to force out any trapped air pockets from the grease. Air will escape from the connection between the grease gun head and the barrel, which is not fully tightened.
8. Reconnect the air supply and “prime” the system by pressing the trigger until the grease starts coming out of the discharge nozzle. Initial grease discharge may have trapped air. Once the gun has been primed, fully tighten the grease gun head onto the barrel.
9. Push the plunger rod into the barrel for easier maneuverability during use.
10. You should now connect the grease gun extension and coupler onto the grease gun outlet. The connection between the extension and grease gun must be tight and it is advisable to use a thread sealant to ensure a leak-proof joint.

**▲ CAUTION** *Do not apply excessive torque or over-tighten the grease gun extension as this will apply undue stress to the die cast outlet and may cause it to fracture.*

11. Press the trigger until grease flows out from the coupler. The grease pressure can be adjusted by regulating the inlet air pressure. Grease pressure is 40 times greater than the air inlet pressure.

**▲ CAUTION** *Note that this is a continuous flow grease gun & will keep dispensing grease while the trigger is pressed. Be careful not to over lubricate!*

#### **GREASING A GREASE FITTING / GREASE NIPPLE:**

The grease coupler provided at the end of the grease gun extension has a jaw type construction. The coupler jaws will snap on to a grease fitting and maintain a tight fit. When connecting the coupler to the grease fitting, press the coupler straight onto the grease fitting to form a snug fit. Start operating the grease gun with the coupler as square to the grease fitting as possible. Once greasing is completed, slightly tilt the coupler, twist and pull back. The tilt and twist action will allow easy removal of the coupler from the grease fitting.

#### **MAINTENANCE:**

Grease guns and hoses should be kept clean and checked for damage before each use. Use an air supply system that incorporates a filter, regulator, and lubricator, or add a few drops of lubricator oil (SAE 30 or greater) through the gun’s air supply quick connect fitting in the die cast handle.

### **Troubleshooting Chart**

<b>Symptom (s)</b>	<b>Possible Causes(s)</b>	<b>Corrective Action(s)</b>
Grease gun pumps little or no grease.	<ol style="list-style-type: none"> <li>1. Barrel not completely tightened.</li> <li>2. Air Pockets are trapped in grease.</li> <li>3. Blocked grease gun extension.</li> <li>4. Grease too thick or cold.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten the barrel completely.</li> <li>2. Prime grease gun as detailed in instructions.</li> <li>3. Remove the extension and operate the grease gun. If the gun dispenses grease then the gun is fine and you need to either clean the extension or replace it.</li> <li>4. Store grease gun and grease away from extreme cold or use thinner grease.</li> </ol>
Excessive grease leaking past the follower.	<ol style="list-style-type: none"> <li>1. Follower is damaged.</li> <li>2. Improper seal between the plunger and the grease gun barrel when using bulk fill or transfer pump.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace the grease gun.</li> </ol>
Gun Cycles very slowly	<ol style="list-style-type: none"> <li>1. Inadequate lubrication of the pumping chamber.</li> </ol>	<ol style="list-style-type: none"> <li>2. Put a few drops of lubricator oil through the quick connect coupler fitting.</li> </ol>

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