



AMERICAN FORGE & FOUNDRY

MODEL NO.: 8605

Model 8605

CONTINUAL FLOW GREASE GUN

Owner's Manual



WARNING:

IMPORTANT: READ THESE INSTRUCTIONS AND ALL WARNINGS PRIOR TO USING THIS EQUIPMENT. UNDERSTAND ALL OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS. FAILURE TO DO SO COULD CAUSE AN ACCIDENT RESULTING IN SERIOUS OR FATAL INJURY AND/OR PERSONAL PROPERTY DAMAGE.



WARNING INFORMATION



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



WARNING

WARNING: Indicates a hazardous situation which, if not avoided, could result in death or serious injury



IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

BEFORE USING THIS DEVICE, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS OPERATING PROCEDURES, SAFETY WARNINGS, AND MAINTENANCE REQUIREMENTS.

It is the responsibility of the owner to make sure all personnel read this manual prior to using these stands. It is also the responsibility of the tool owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact an authorized SureWerx USA repair center for replacements. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

GENERAL SAFETY INFORMATION



WARNING

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.

WARNING — HIGH PRESSURE GREASE



WARNING

NEVER allow contact of the output of the Grease Gun (coupler) to a person's skin or body, injection of grease under the skin could occur causing serious illness or death.



CAUTION

If left on floors, tools, or equipment, excess grease can cause surfaces to 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 on 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 air line. 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 1/4" 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.

Do not apply excessive torque or over-tighten the air fitting as this will apply undue stress to the die-cast outlet and may cause it to fracture.

PREPARING TO LOAD YOUR GREASE GUN

1. Make sure the gun is disconnected from the air supply. 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 counterclockwise.
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 when 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 counterclockwise direction 1-1/2 turns. Pull back and lock the plunger handle all the way to the end of the barrel 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.
8. Push the plunger rod into the barrel for easier manoeuvrability 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 and 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 counterclockwise direction 1-1/2 turns. Pull back the plunger rod handle all the way to the end and lock the handle.
2. Now rotate the grease gun head in the counterclockwise 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 manoeuvrability 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 and 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 to 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 adaptor 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 adaptor 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 manoeuvrability 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 and 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.



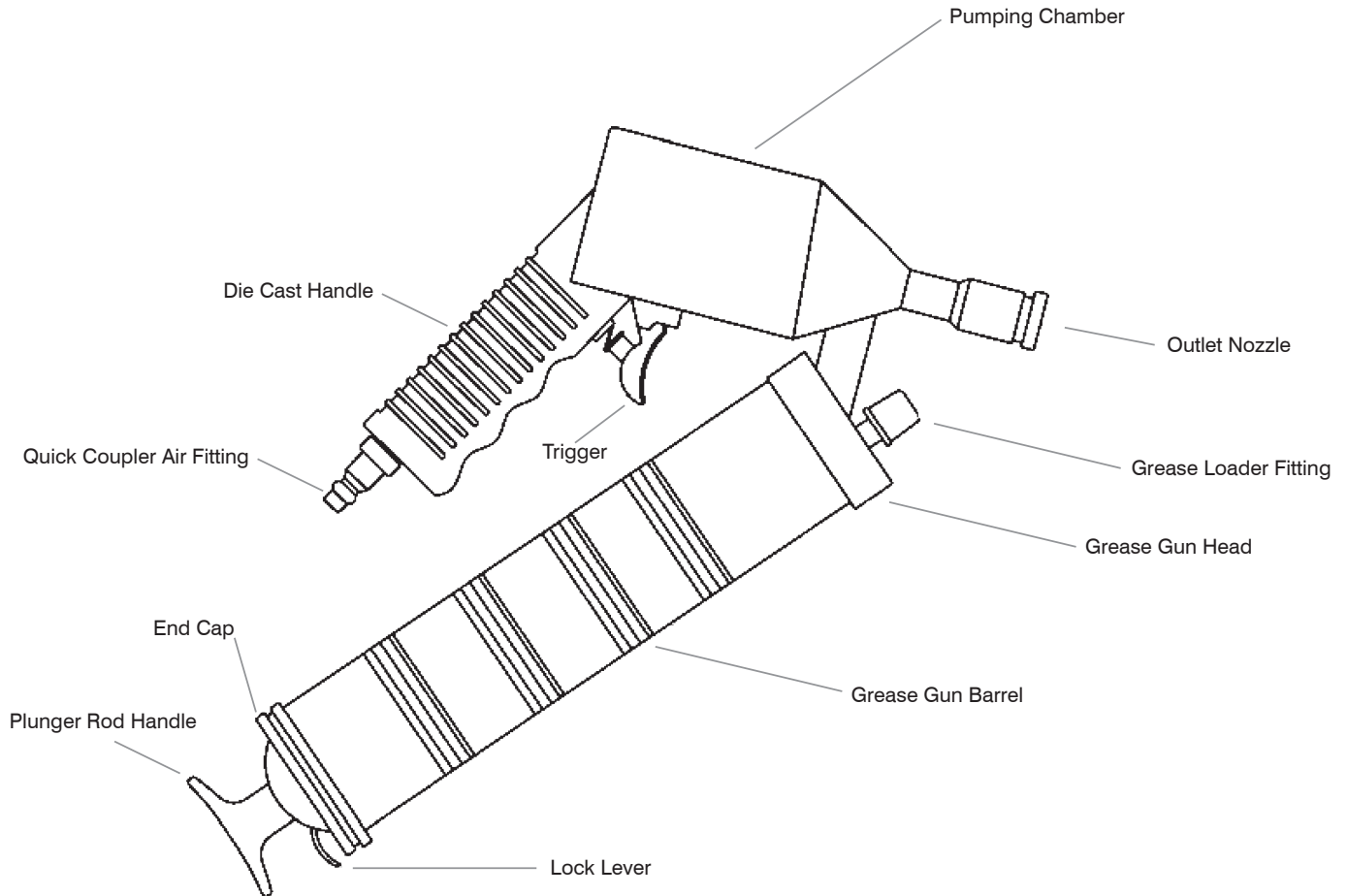
TROUBLESHOOTING

SYMPTOM	CAUSES	REMEDY
Grease gun pumps little or no grease.	<ol style="list-style-type: none">1. Barrel not completely tightened.2. Air pockets are trapped in grease.3. Blocked grease gun extension.	<ol style="list-style-type: none">1. Tighten the barrel completely.2. Prime grease gun as detailed in instructions.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.4. Store grease gun and grease away from extreme cold or use thinner grease.
Excessive grease leaking past the follower.	<ol style="list-style-type: none">1. Follower is damaged.2. Improper seal between the plunger and the grease gun barrel when using bulk fill or transfer pump.	<ol style="list-style-type: none">1. Replace the grease gun.
Gun cycles very slowly.	<ol style="list-style-type: none">1. Inadequate lubrication of the pumping chamber.	<ol style="list-style-type: none">1. Put a few drops of lubricator oil through the quick connect coupler fitting.



MODEL 8605

CONTINUAL FLOW GREASE GUN



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	Yes	Yes	Yes*

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



AMERICAN FORGE & FOUNDRY

LIMITED WARRANTY

SureWerx USA WARRANTS TO ITS CUSTOMERS THAT THE COMPANY'S SureWerx USA "AFF" BRANDED PRODUCTS ARE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS.

SureWerx USA will repair or replace its **SureWerx USA "AFF"** branded products which fail to give satisfactory service due to defective workmanship or materials, based upon the terms and conditions of the following described warranty plans attributed to that specific product. This product carries a ONE-YEAR warranty. During this warranty period, **SureWerx USA** will repair or replace at our option any part or unit which proves to be defective in material or workmanship.

Other important warranty information:

This warranty does not cover damage to equipment or tools arising from alteration, abuse, misuse, damage and does not cover any repairs or replacement made by anyone other than **SureWerx USA**. The foregoing obligation is **SureWerx USA's** sole liability under this or any implied warranty and under no circumstances shall we be liable for any incidental or consequential damages.

Note: Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. If you have any questions about warranty service, please contact **SureWerx USA**. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



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