

# Operating Instructions

## **CORDLESS GREASE GUN**

**MODEL :**

**T65501138**

**T65501148**

**T65501158**



# OPERATIONAL PRECAUTIONS

## General Safety Instructions

### WARNING

1. Consider work area environment. Do not expose tools to rain. Do not use tools in damp or wet locations : Keep work area clean and well lit. Do not use tools in the present of flammable liquids or gases.
2. Guard against electric shock. Avoid body contact with earthed or grounded surfaces.
3. Keep children away. Do not let visitors touch the tools or extension cord. All visitors should be kept away from work area.
4. Store idle tools. When not in use, tool should be stored in a dry locked up place, out of reach of children.
5. Do not force the tool. It will do the job better and safer at the rate for which it was intended.
6. Stay alert. Watch out what you are doing : Use common sense. Do not operate tool when you are tired. Check damaged parts. Before further use of the tool, a guard or other part is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
7. Check for alignment of moving parts, blinding of moving parts, breakage of parts, mounting and any other condition that may affect its operation.
8. A guard or other parts that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service center. Do not use tool if switch does not turn it on.
9. To ensure the designed operational integrity of power tools, do not remove installed cover or screws.
10. Use your tool at lower input than specified on the nameplate, otherwise, the finish may be spoiled and working efficiency reduced by motor overload.
11. Do not wipe plastic parts with solvent. Solvents such as gasoline, thinner, benzene, carbon tetrachloride, alcohol, ammonia and oil containing chloric annex may damage and crack plastic parts. Do not wipe them with such solvent. Wipe plastic parts with a soft cloth lightly dampened with soap water.
12. Dress properly. Do not wear loose clothing or jewelry. Contain long hair keep your hair, clothing, and gloves away from moving parts.
13. Use safety equipment. Always wear eye protection, non-skid safety shoes, hard hat, or hearing protection.
14. Do not overreach. Proper footing and balance enables better control of the tool in unexpected situations.

## Product Safety Instructions

### **WARNING**

1. Disconnect battery pack from tool or place the main switch in the locked or off position before making any adjustments, changing accessories, or storing the tool. Such preventative safety measures reduce the risk of starting the tool accidentally.
2. Remove adjusting keys or wrenches before turning the tool on . A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
3. Use clamps or other practical way to secure and support the work piece to a stable platform. Holding the work by hand or against your body is unstable and may lead to a loss of control.
4. Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
5. Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool may create a risk of injury when used on another tool.

## Important Safety Instructions for Charger & Battery Pack

### **WARNING**

1. Caution : To reduce risk of injury, charge only specific type rechargeable battery packs. Other types of battery packs may burst causing personal injury and damage.
2. Before using charger, read all instructions and cautionary markings on battery packs and chargers.
3. Do not expose charger to rain or snow.
4. To reduce the risk of damage to electric plug and cord, pull by plug rather than cord when disconnecting charger.
5. Use of an attachment not recommended or sold by the charger manufacture may result in a risk of fire, electric shock, or injury to persons.
6. Make sure cord is located so that it will not be stepped on, tripped on, tripped over, or otherwise subjected damage or stress.
7. Do not operate charger with damaged cord or plug. Replace them immediately.
8. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damage in any way, take it to qualified center.
9. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
10. Do not disassemble charger or battery pack, take it to a qualified service center while repair is required. Incorrect reassembling may result in a risk of electric shock or fire.

## Additional Safety Rules For Charger & Battery Pack

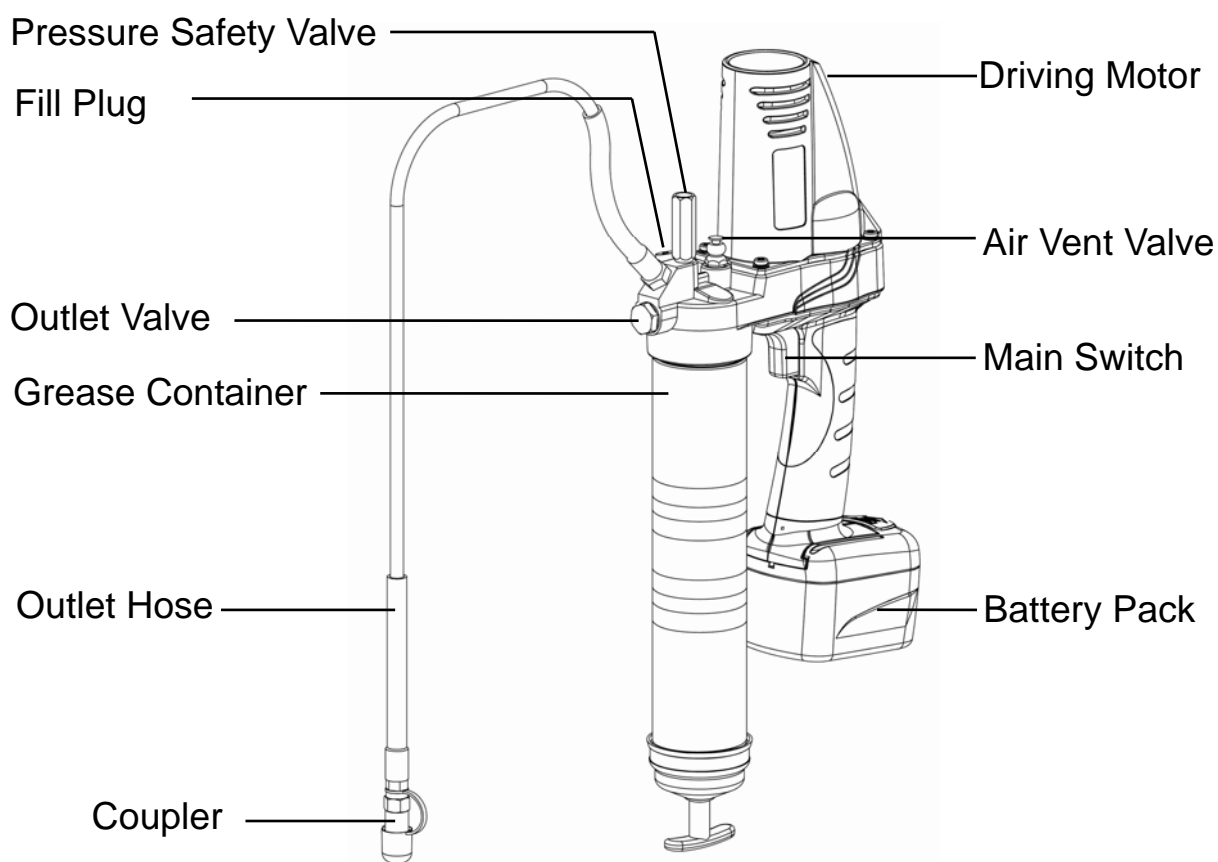
### **WARNING**

1. Do not charge battery pack when temperature is below 10°C (50°F) or above 40°C (104°F).
2. Do not attempt to use a set-up transformer, an engine generator or DC power receptacle.
3. Do not allow anything to cover or clog the charger vents.
4. Always cover the battery pack terminals with the battery pack cover when the battery pack: is not used.
5. Do not short the battery pack:
6. Do not touch the terminals with any conductive material.
7. Avoid storing battery pack in a container with other metal objects such as nails, coins, etc.
8. Do not expose battery pack to water or rain, A battery pack short can use large current flow, overheating, possible burns and even a breakdown.
9. Do not store the machine and battery pack in locations where the temperature may reach or exceed 50°C (122°F)
10. Do not incinerate the battery pack even if it is severely damaged or completely worn out. The battery pack can explode in a fire.
11. Be careful not drop, shake or strike battery pack.
12. Do not charge inside a box or container of any kind. The battery pack must be placed in a well ventilated area during charging.

## SPECIFICATIONS

MODEL NO.	T65501138	T65501148	T65501158
VOLTAGE	10.8V d.c.	14.4V d.c.	18V d.c.
DELIVERY	75 g/min		
WEIGHT	3.05 kg		
CURRENT	2.0 ~5.5 A		
ACCEPTABLE GREASE	Up to NLGI #2		
PSI	5000	6000	6250

## VIEW OF THE MAJOR COMPONENTS



## ACCESSORY

Charger



## Operating Instructions (Slide-In) Installing Or Removing Battery pack (See Fig.1 Fig.2)

1. Always switch off the machine before insertion or removal of the battery pack.
2. To remove the battery pack, push the button on the battery pack and pull the tool unit from the battery pack in the direction.(See Fig.1.)
3. To insert the battery pack, align the tool unit slides with the battery pack sliding groove and push the tool unit into place. (See Fig.2)
4. Do not force the battery pack into tool unit. If the battery pack does not slide in easily, it is not being inserted correctly.

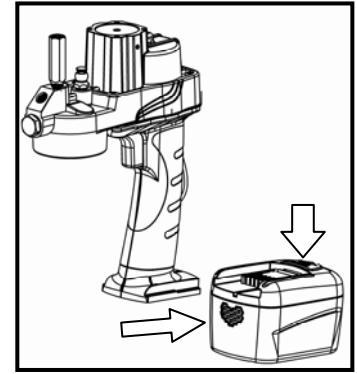


Fig.1

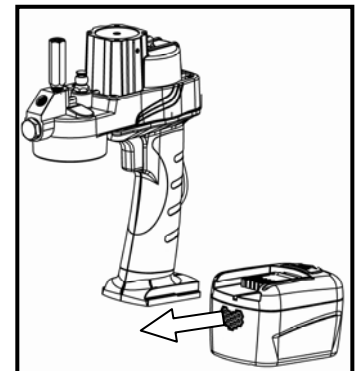


Fig.2

## Charging (See Fig.3)

1. Plug the fast charger into the power source.
2. Slide the battery pack into the charger as the arrow direction shown on the charger.
3. Push the battery pack into place and make sure the red light on the charger is "ON". The battery pack is now starting the charging cycle.
4. After finish the charging cycle, the light will turn into green. The battery pack is now ready for use.
5. Your new battery pack is not charged. You need to charge it before use.
6. If you try to charge a battery pack from a just-operated machine, sometimes the charging light will not come on. If this occurs, let the battery pack cool for a while then re-insert it and try to charge again.
7. When you charge a new battery pack or a battery pack which has not been used for a long period, it may not accept a full charge. This is a normal condition and does not indicate a problem. You can recharge the battery pack fully after discharging it completely a couple of times.
8. While charging the second battery, allow the charger to cool down for 15 minutes before start the second charging process.
9. Unplug the charger from the power source after finish the charge.

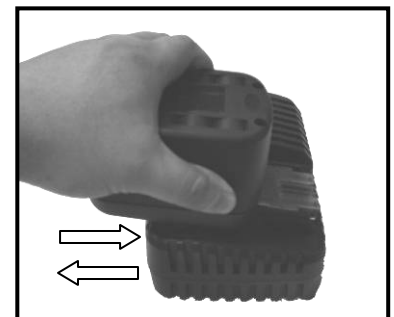
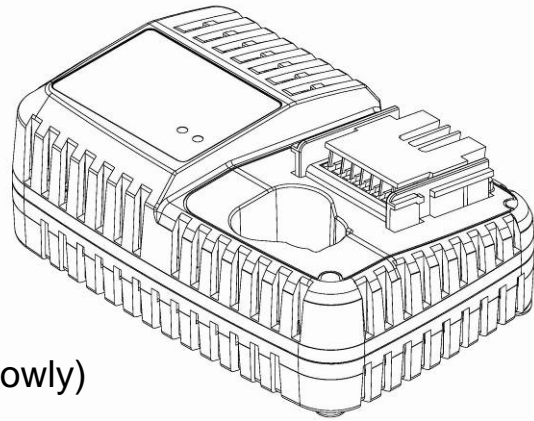


Fig.3

## The LED Light On The Charger



Power On (Green light flashes slowly)



Battery Low (Red light stays illuminated)



Battery charged 80% (Green light flashes rapidly)



Battery charged 100% (Green light stays illuminated)



Battery Pack temperature is too hot or too cold (Red light flashes slowly)



Battery Pack malfunction (Red and Green lights stay illuminated)

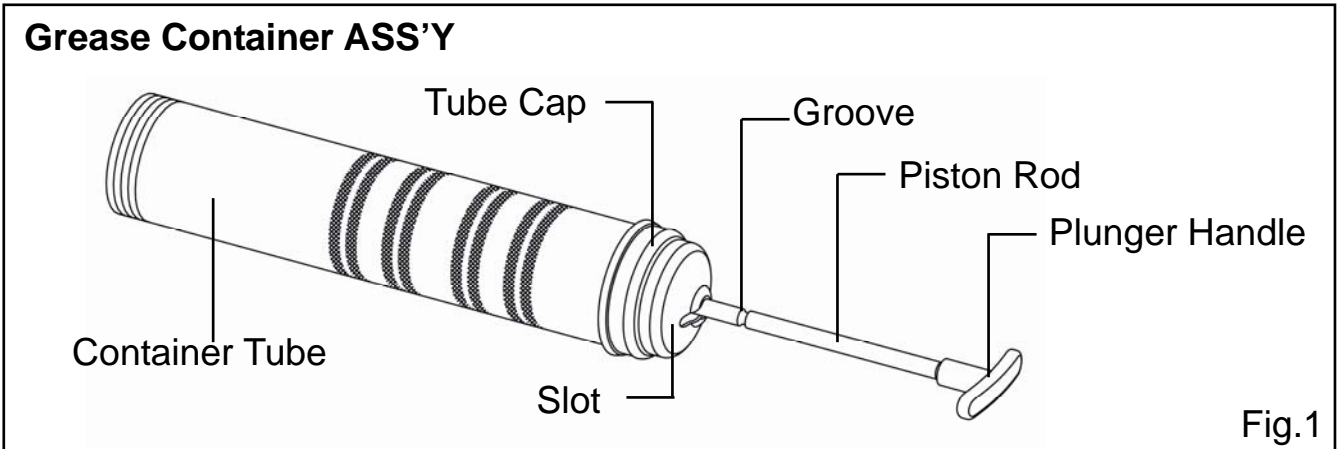
### **WARNING**

1. Charger is plugged into a 100-240V a.c outlet only.
2. If the battery pack is too hot or too cold, the charger will not fast charge the battery pack and the red Indicator light is “blinking”. When the battery pack temperature returns to between 0°C(32°F) and 50°C(122°F), The charger will automatically begin charging.
3. If both red and green indicator lights are “ON” the battery pack either does not comply or is defective. Please contact your retailer.
4. Do not charge the battery pack in the rain, snow or high temperature environment.
5. Do not charge battery pack when environment temperature is below 0°C(32°F) or above 40°C(104°F)
6. While charge the cool battery pack (below 0°C) in the warm indoor, keep the battery pack in the room for one hour to warm up before starting the battery pack.  
A cool battery may charge unsaturated.
7. Remove the plug after finishing the charge.
8. The charger should be cooled at least one hour after continue charging three times.
9. Do not use generator for charging the battery pack.

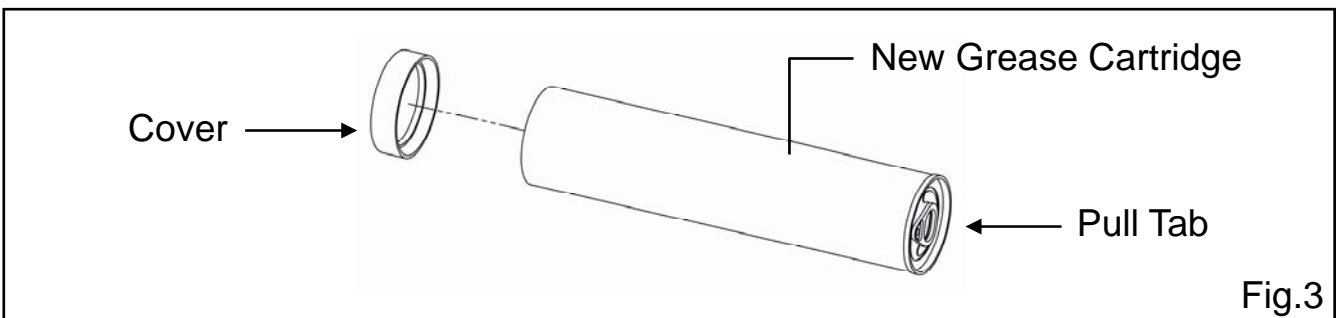
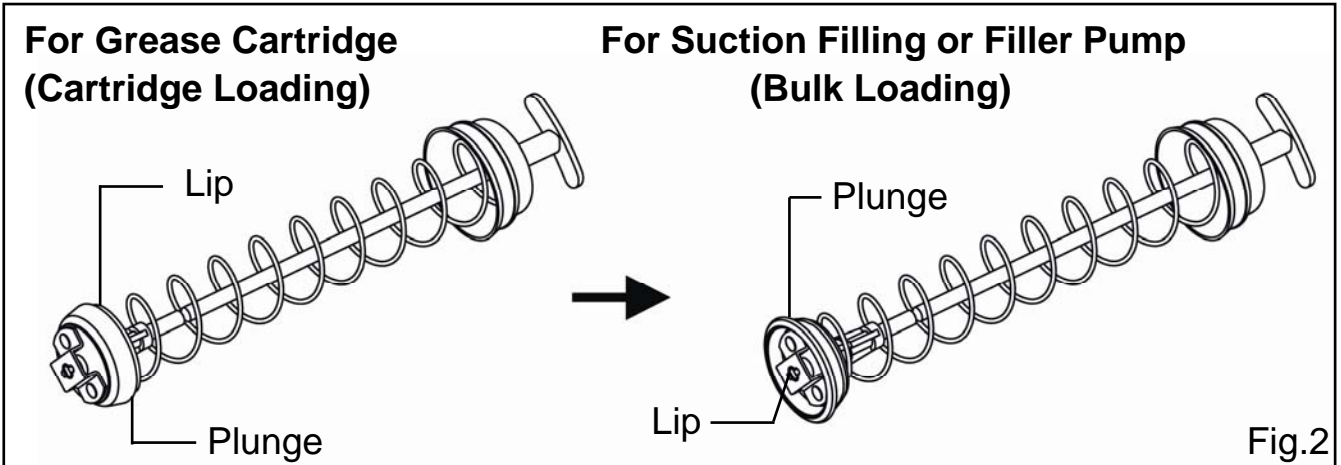
## Tool Operating

### Cartridge Loading

1. Draw back plunger handle fully until the groove of piston rod is latched into the slot on the tube cap. See Fig.1.



2. Unscrew the grease container from the gun.
3. Slowly release the plunger handle to eject the empty cartridge from the container tube. Visually check the direction of plunger lip. See Fig.2. Draw back plunger handle fully until the groove of piston rod is latched into the slot on the tube cap.  
( This description is not applicable for new grease gun )
4. Remove the cover from new grease cartridge and insert cartridge into the container tube . Then remove the pull tab. See Fig.3

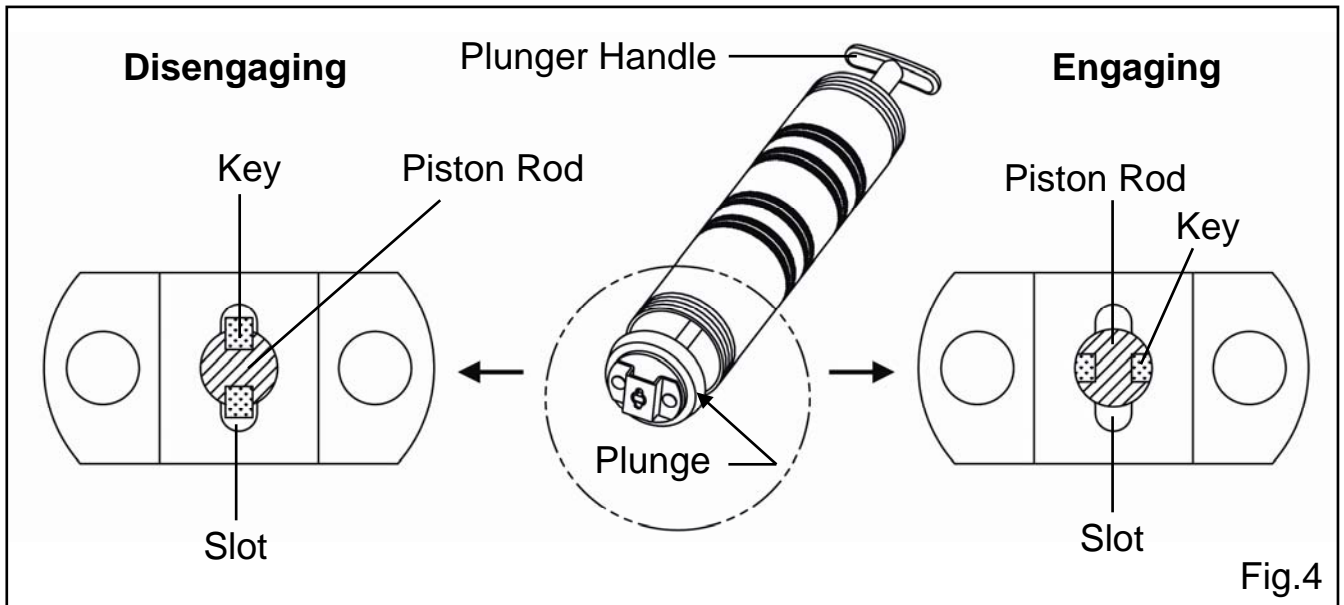


5. Screw grease container ass'y into grease gun.
6. Release the piston rod from slot and push it all the way in.
7. This gun is ready to use. If your gun fails to work, it is due to air pocket in the grease container ass'y. To remove the air, procedure as following :



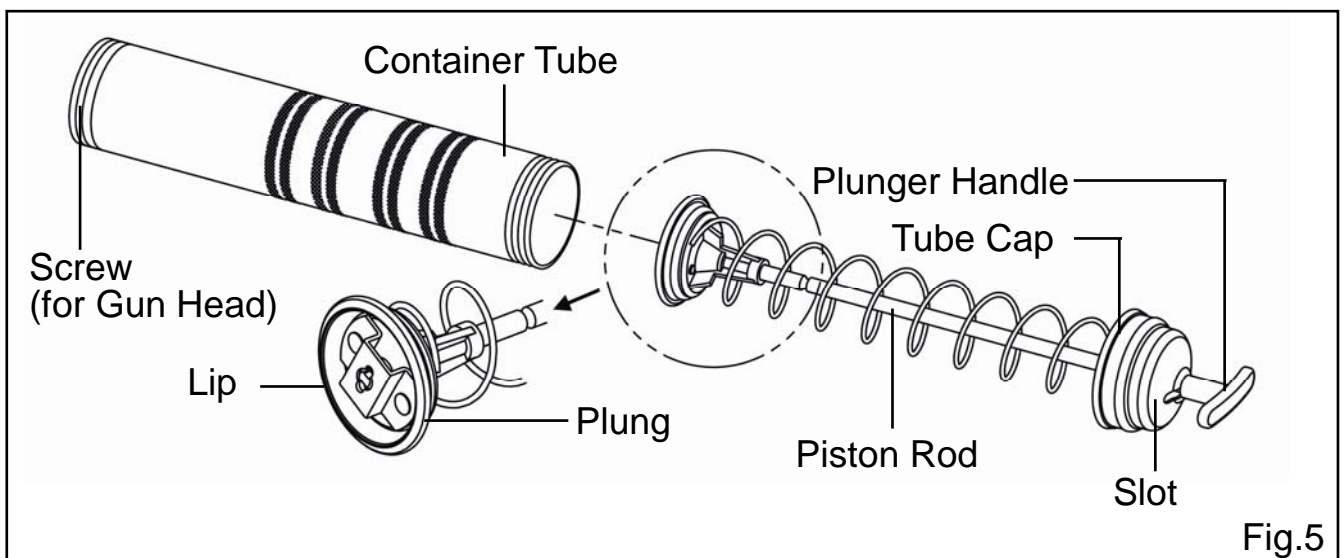
## Remove Air Pocket

1. Continue to hold trigger switch meanwhile press/release air vent valve until trapped air is removed.
2. If the gun still fails to work. Draw back the piston rod fully and 『Engaging』 it with plunger by rotating the plunger handle about 1/4 ~ 1/2 turns to set the position of key. See Fig.4
3. Press/release air vent valve several times to release the air when push plunger handle.
4. Repeat item 1. procedure until trapped air is removed.
5. 『Disengaging』 the plunger by rotating the plunger handle about 1/4 ~ 1/2 turns. Push plunger rod all the way in.

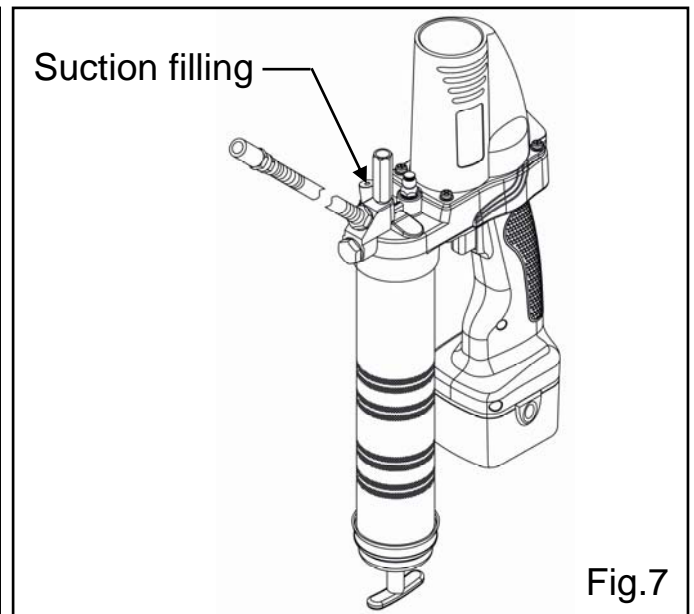
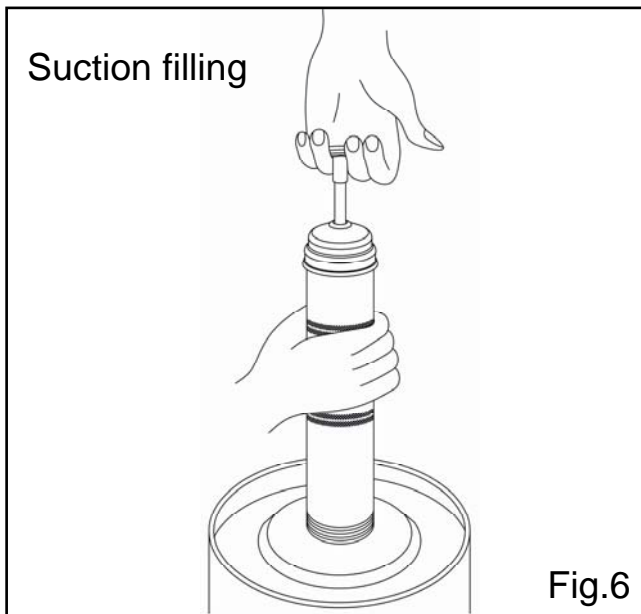


## Suction Filling(From Bulk Container)

1. Unscrew and dis-assemble tube cap from the container tube as Fig.5
2. Visually check the direction of plunger lip. Fig.2
3. Change the lip direction of plunger by your finger. The lip must be directed toward the gun head.

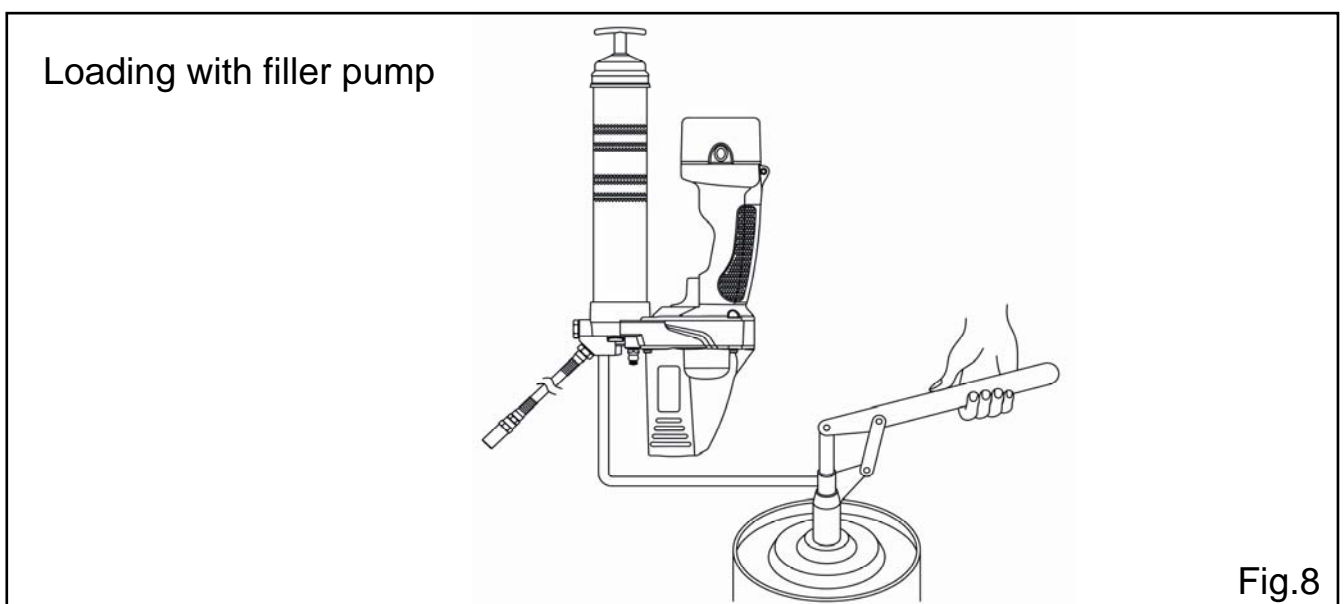


4. Screw and re-assemble tube cap from the container tube.
5. Insert the open end of grease container ass'y into lubricant of bulk container.  
Draw back piston rod slowly while pushing the grease container ass'y deeper into the lubricant to prevent air pocket. See Fig.6
6. When piston rod is fully extended, latch the groove of piston rod into the slot of tube cap.
7. Screw grease container ass'y into gun.
8. Release the piston rod from slot and push it all the way in.
9. This gun is ready to use. If your gun fails to work, to remove the air, procedure as 『Remove Air Pocket』.



### Loading With Filler Pump

1. Set the plunger in 『Engaging』. See Fig.4
2. Fit the filler plug Fig.7 with the socket of filler pump.
3. Piston rod will be extended fully when the level of filler pump is operated. See Fig.8
4. Set the plunger in 『Disengaging』. Push piston rod all the way in.



## Operation

Air pockets in the lubricant will cause the gun to lose its output. Only continue to hold trigger switch meanwhile press/release air vent valve until trapped air is removed.

**Important** : Do not continue to hold down trigger if grease gun is stalled. This could damage the motor or cause fire.

### Note:

1. Noise test results:

A-weighted sound pressure level measured at operator's position : 76.3dB(A).

B-weighted sound power level : 84.5dB(A)

2. Vibration test results :  $0.72\text{m/s}^2$ .

## Pressure Safety Valve

This valve is set to 420bar pressure by factory. It will bypass grease output when blocked lubricant line or clogged bearing is occurred. It indicates to repair or to clean before use.

**Important** : Do not try to adjust this valve. It may result in a risk of injury.

## Troubleshooting

SYMPTOM	POSSIBLE	CORRECTIVE ACTION
Battery pack does not appear to accept charge when the battery pack is plugged into charger.	Charger or batter pack terminals may be corroded or remained dirty.	Clean the terminals with a fine emery cloth.
	Battery pack damaged or cycle life exhausted.	Replace battery pack.
	Damaged charger ( It gets hot make exclusively loud noise, or smoke during charge .)	Unplug from power source immediately. Replace charger.
Motor does not run.	Battery pack is not charged.	Charge battery pack.
	Battery pack terminals may be dirty or corroded.	Clean the terminals with a fine emery cloth.
	Motor may be bad.	Replace motor.
Grease output bypass from pressure safety valve.	Clogged bearing, block lubricant line.	Repair or clean before use.
	Pressure safety valve may be remained dirty.	Replace pressure safety valve.
Gun does not delivery grease.	Air pocket exists in the grease container ass'y.	See procedure 「 Remove Air Pocket 」 .
	The plunger may be blinded.	Replace grease container ass'y.
	Outlet valve may be remained dirty.	Unscrew and clean ball seat area.

# MODEL : T65501138/T65501148/T65501158

NO.	PARTS NAME	Q
1	PUMP ASS'Y	1
2	GASKET WASHER	1
3	OUTLET HOSE ASS'Y	1
4	FILL PLUG	1
5	MOTOR FIXTY	1
6	SCREW	2
7	SCREW	4
8	MOTOR ASS'Y	1
9	MOTOR COVER	1
10	HOUSING LABEL-R	1
11	HOUSING LABEL-L	1
12	SCREW	8
13	HOUSING-L&R	1
14	WIRE ASS'Y	1
15	MAIN SWITCH	1
16	WIRE	1
17	PCB ASS'Y	1
18	BATTERY CONNECTOR	1
19	SCREW	5
20	PACKING	1
21	GREASE CONTAINER ASS'Y	1
22	BATTERY PACK	1
23	BATTERY LABEL	1
24	FUEL GAGE LABEL	1
25	CHARGER	1
26	CHARGER UPPER LABEL	1
27	CHARGER LOWER LABEL	1
28	POWER CORD	1

