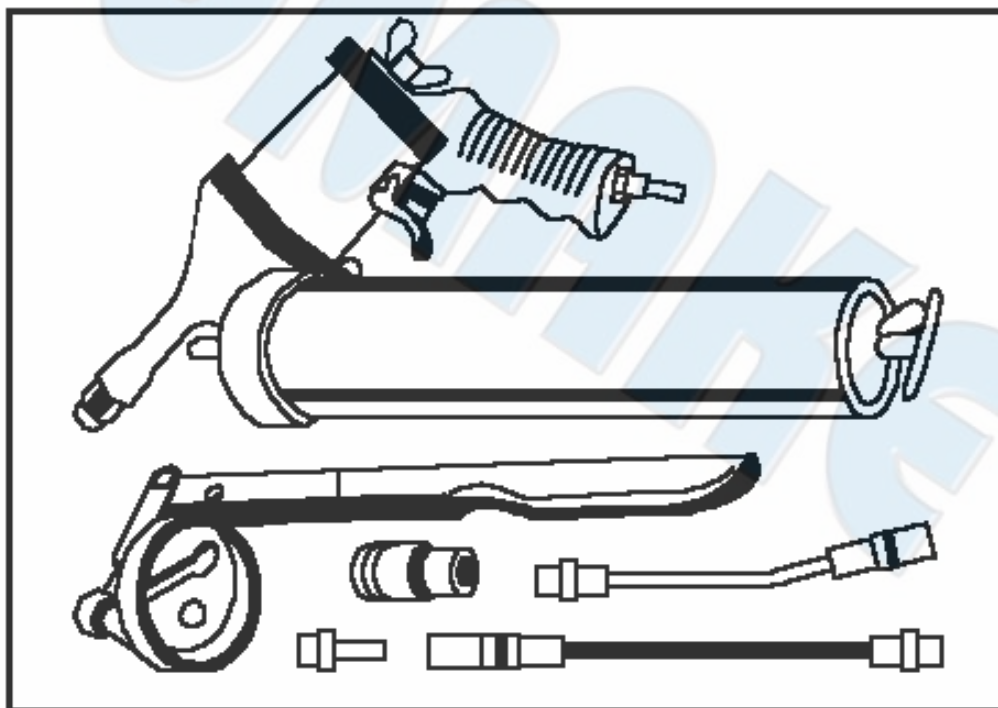




# SUMAKE *PNEUMATIC TOOLS*



## Angle-Free Rotating Continuous Air Grease Gun (400cc) & 6 Pcs Accessories. ST-6637C-6

### Specification:

Capacity	Bulk: 400cc Cartridge: 14 OZ
Size	56.4 x 375 mm
Air Inlet (PT)	1/4" (6.35 mm)
Air Hose (I.D.)	3/8" (10 mm)
Air Pressure	90 psi (6.3 bar)
Net Weight	4.42 lbs (2.01 kg)

### Noise and Vibration:

Vibration	Noise EN ISO 3744	Remark
Load: 0.41 m/s <sup>2</sup>  Uncertainty K= 1.5 m/s <sup>2</sup>	Sound Pressure Level No load: 80 dB(A)	Please always wear ear protector at environment noise level > 80 dB(A) due to risk of impaired hearing!
	Sound power level No load: 91 dB(A)	
	Uncertainty K= 3dB	

SUMAKE INDUSTRIAL CO., LTD

4F,NO.351,Yangguang St.,Neihu District TAIPEI, TAIWAN, ZIP:114-91

ST-6637C-6-S-1412B-SSF



## EC DECLARATION OF CONFORMITY

We: **SUMAKE INDUSTRIAL CO., LTD.**

**4F, No. 351, Yangguang St., Neihu District, Taipei City, Taiwan**

declare in sole responsibility that the equipment

Equipment : **ANGLE-FREE ROTATING CONTINUOUS AIR GREASE GUN (400cc)  
& 6 PCS ACCESSORIES.**

Model/ Serial No. : **ST-6637C-6**

to which this declaration applies, complies with these normative documents:

- Machinery Directive: 2006/42/EC

and conforms to the following EN standard,

- EN ISO 12100: 2010
- EN ISO 11148

Name and Signature/Position

Mike Su – Managing Director

Date and Place

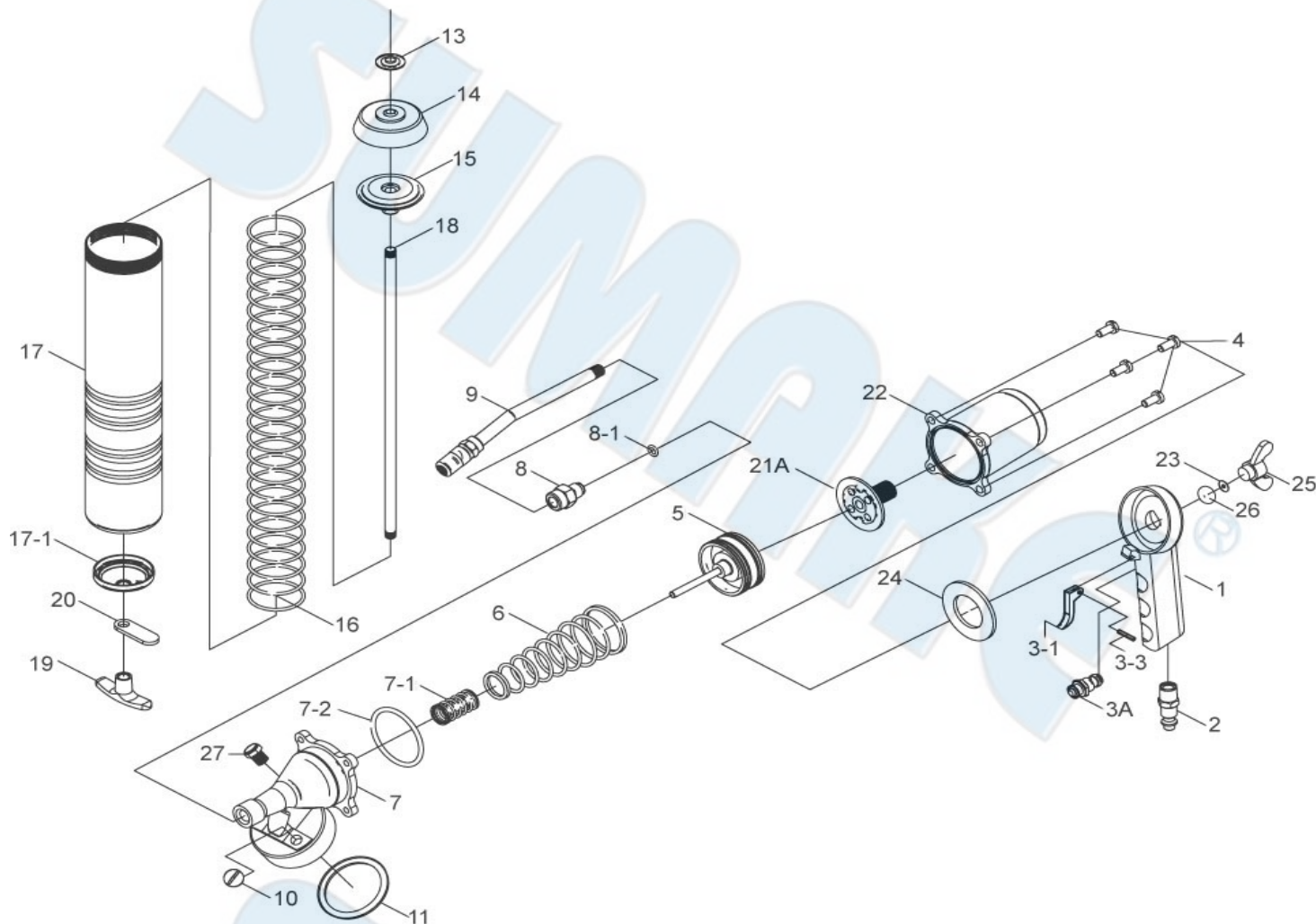
2013/6/27

Taipei, Taiwan

ST-6637C-6-D-1412C-SSF

# ST-6637C

## ANGLE-FREE ROTATING & CONTINUOUS AIR GREASE GUN (400 cc)



### PARTS LIST

No.	Parts No.	Description	Q'ty
1	6637C-01	Finger Grip	1
2	6637C-02A	Air Fitting (PT19)	1
	6637C-02B	Air Fitting (NPT18)	1
3A	6637C-03A	Switch Set [Incl. 3-2 Switch Spring]	1
3-1	6637C-03-1	Trigger [Incl. 3-3 Pin]	1
4	6637C-04	Body Screw	4
5	6637C-05	Air Piston Unit	1
6	6637C-06	Short Spring	1
7	6637C-07	Housing Cap	1
7-1	6637C-07-1	Valve Spring	1
7-2	6637C-07-2	Housing Gasket	1
8	6637C-08	Adapter	1
8-1	6637C-08-1	Adapter Ring	1
9	6637C-09	Bend Spout	1
10	6637C-10	Round Plug	1

No.	Parts No.	Description	Q'ty
11	6637C-11	Container Gasket	1
13	6637C-13	Plunger Washer	1
14	6637C-14	Plunger	1
15	6637C-15	Backlash Gasket	1
16	6637C-16	Long Spring Kit	1
17	6637C-17	Container Tube	1
17-1	6637C-17-1	Bottom Cap	1
18	6637C-18	Plunger Rod	1
19	6637C-19	Plunger Handle	1
20	6637C-20	Catch Plate	1
21	6637C-21	Rotating Fixer	1
22	6637C-22	Housing	1
24	6637C-24	Grip Gasket	1
25	6637C-25	Butterfly Lock Plug [Incl. 23 Fix Washer, 26 Fixer Ring]	1
27	6637C-27	Silencer	1





# INSTRUCTION FOR ANGLE-FREE ROTATING & CONTINUOUS OPERATED AIR GREASE GUN

The pistol-style, Continuous Operated Air Grease Gun is a specially designed, high-quality and professional air tool, made of the best materials and ideal for lubricating maintenance for transportation implements, agricultural machinery and industrial equipment etc.

## FEATURES

- ☐ **Patent ANGEL-FREE ROTATING Finger Grip design:**
  - \* New-style, unrivaled the globe patent model, depend on the demand of operating in confined space, only rotate with angel-free between Finger Grip and Gun-body for any angle degree adjust what you need, to obtain the maintenance and operation more active and convenience.
  - \* Divide Gun-head and Finger Grip to be two independent individual, the center connect with die-cast as Housing Body, easy to take apart and clearance.
  - \* Rotate Finger Grip and Gun-body to set the angle of 90 degree is available, allow using right hand to hold the Finger Grip and left hand hold the Gun-Body to operate maintenance. This kind of convenient design provided operator in a long time operation to ease their arm's tired and heavy burden; to increase the stability of holding owing to operated with both hands, to make the maintenance more active and exact.
- ☐ **Unique style and up-to-date sleek design to lead the field of occupation:**
  - \* Gun-head and Finger Grip is oven painted, appears up-to-date and bright surface.
- ☐ **To be full of creativeness Butterfly-Lock Screw equipped:**
  - \* Fix Gun-body in a selection position at will is conveniently, to make the maintenance more quick and convenience.
- ☐ **Epochal,innovative patent type, continuously operation AIR MOTOR design:**
  - \* Press Trigger tightly and then grease will incessantly and automatically keep priming. Release Trigger pressed then grease supplied to be discontinuous. With regard to the occasion that have to use a large quantity grease will more quick and facility, to the maintenance more quick and labor-saving.
- ☐ Achievement for constructional improvement designed facility.
- ☐ Fully automatic, cycles continuous grease flow with trigger depressed.
- ☐ Exclusive air piston design assures consistent priming.
- ☐ Heavy-duty spring for prime retention.
- ☐ Specially ergonomics designed, elegant style high quality and professional pneumatic tool. Ideal for machine, automobiles, farm and garden equipments, recreation vehicles etc.
- ☐ Heavy duty construction acute-angle featured for reduces the load distance and concentrates the center of gravity between finger grip and container tube, it is portable in operation and arm not subject to be tired, allow wide-angle operation inconfined space and optimal clearance for air supply.
- ☐ Round plug equipped for grease loading which from grease dispenser or bucket pump.
- ☐ Rugged grip for convenient of holding and operation.
- ☐ Fine-treated surface include chrome-plated and oven-painting.
- ☐ Special designed follower to eliminate grease by-pass.
- ☐ High pressure performance with 60 to 150 psi pressure air generated from the air compressor supplied into the air inlet. It can deliver 2400 to 6000 psi when trigger pressed. (40:1 pressure ratio)
- ☐ Recommended working pressure air source: 90 psi (6.2 bar)
- ☐ 3-way loading available:
  - Grease cartridge loading
  - Dispencer loading
  - Bulk loading.

- ◇ Trigger should be pressed thoroughly during operation.
  - ◇ Add oil daily through air fitting before use.
  - ◇ If your gun fails to work, it is due to air packets in the gun. To remove the air, unscrew the gun head 1 or 2 turns and act:
    - \* Draw back plunger rod fully and release quickly. Repeat several times. This will help exert force to move the plunger to enter the cartridge and escape air pocket which is essential for a grease gun to work.
    - \* Push plunger rod all the way in. Tighten the head to the barrel.
    - \* Repeat above steps if necessary.
- Now your grease gun is ready to use.

## INSTRUCTION MANUAL

1. Release the BUTTERFLY-LOCK screw properly. (1 or 2 turns)
2. Rotate the FINGER GRIP first, adjust the angle between finger grip and AIR HOUSING to fit the angle degree in which your working circumstance's demand.
3. Retighten the BUTTERFLY-LOCK screw thoroughly to avoid sliding.

### INSTRUCTIONS FOR THE 3-WAY LOADING

#### CARTRIDGE LOADING (See Fig. 1)

- (a) Remove the gun head from the container tube.
- (b) Draw back the plunger handle entirely.
- (c) Insert open end of cartridge into container tube and push all the way in. Remove the seal or pull tab end from the cartridge.
- (d) Reassemble the gun head to the container tube. Press the catch plate and release the plunger rod. Pull down the plunger handle.

#### LOADING WITH FILLER PUMP (See Fig. 2)

- (a) Draw back the plunger handle entirely.
- (b) Unscrew the round plug. Insert filler spout from the filler pump.
- (c) Operate the filler pump to fill the container tube.
- (d) Disconnect the grease gun from the filler pump.
- (e) Press the catch plate and release the piston rod. Pull down the plunger handle.

#### BULK FILLING (See Fig. 3)

- (a) Remove the gun head from the container tube.
- (b) Draw back the plunger handle entirely. Fill bulk grease into empty container tube.
- (c) Reassemble the gun head to the container tube. Press the catch plate and release the piston rod. Pull down the plunger handle.

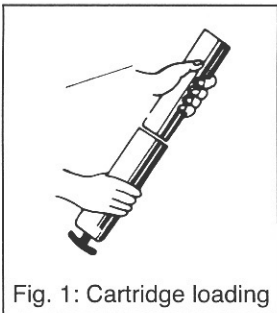


Fig. 1: Cartridge loading

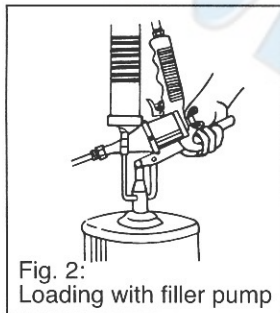


Fig. 2:  
Loading with filler pump



Fig. 3: Bulk filling

WORLDWIDE PATENTED.



# TROUBLE SHOOTING

## AIR GREASE GUN SERIES

<b>PROBLEM</b>	1. Tool runs obstructive and loses its prime.
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"><li>• Lack of oil in Air Motor.</li></ul>
<b>REMEDY</b>	<ul style="list-style-type: none"><li>• Fill a few drops oil through Air inlet and run for a few minutes.</li></ul>

<b>PROBLEM</b>	2. Tool runs at normal speed but grease does not discharge.
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"><li>• Air pocket inside the container tube.</li></ul>
<b>REMEDIES</b>	<ul style="list-style-type: none"><li>• Take off spout from Gun Head.</li><li>• Unscrew container tube 1-2 turns from Gun Head.</li><li>• Withdraw plunger rod and rotate to engage follower. Push plunger rod into container tube to help expel the air pockets.</li><li>• Draw back plunger rod fully and release quickly.</li><li>• Press trigger to check flowage of grease discharge liquidly and without suspended.</li><li>• Repeat above steps if necessary.</li><li>• Re-tighten container tube to gun head firmly.</li><li>• Re-screw spout securely.</li><li>• Now puzzle of air pocket been settled. Your grease gun is ready to act.</li></ul>

<b>PROBLEM</b>	3. Tool runs slowly or not running well.
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"><li>• Air Motor jammed with dirt particles.</li><li>• Power regulator in closed position.</li><li>• Air flow blocked by dirt.</li></ul>
<b>REMEDIES</b>	<ul style="list-style-type: none"><li>• Check the air inlet filter for blockage.</li><li>• Pour air tool lubricant into air inlet as per instructions.</li><li>• Operate tool in short bursts quickly reversing, rotate back and forth where applicable.</li><li>• Repeat above as needed.</li></ul>

<b>PROBLEM</b>	4. Plunger does not enter the grease cartridge.
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"><li>• Size of cartridge dose not standardization.</li><li>• The end edge of cartridge is rough or irregular.</li></ul>
<b>REMEDIES</b>	<ul style="list-style-type: none"><li>• Check the size of cartridge be correspond with specification.</li><li>• Grease the surface of plunger and cartridge end to help it easy to enter cartridge.</li><li>• Always use standard size of cartridge.</li><li>• Check the end edge of cartridge should not be damaged or folded and remains in exact round sharp. Otherwise the plunger rubber will be prevented from enter the grease cartridge and cause grease cannot be forced out of the cartridge.</li><li>• Do not re-use the empty grease cartridge.</li><li>• Remove used cartridge from container tube when bulk loading.</li></ul>

<b>PROBLEM</b>	5. Leakage from outlet of gun head.
<b>POSSIBLE CAUSE</b>	<ul style="list-style-type: none"><li>• Spout does not screw securely.</li></ul>
<b>REMEDY</b>	<ul style="list-style-type: none"><li>• The thread size feature in taper design, advantage of leakproof, screw it by tool properly and not just by hand to have well leak proof performance.</li></ul>

