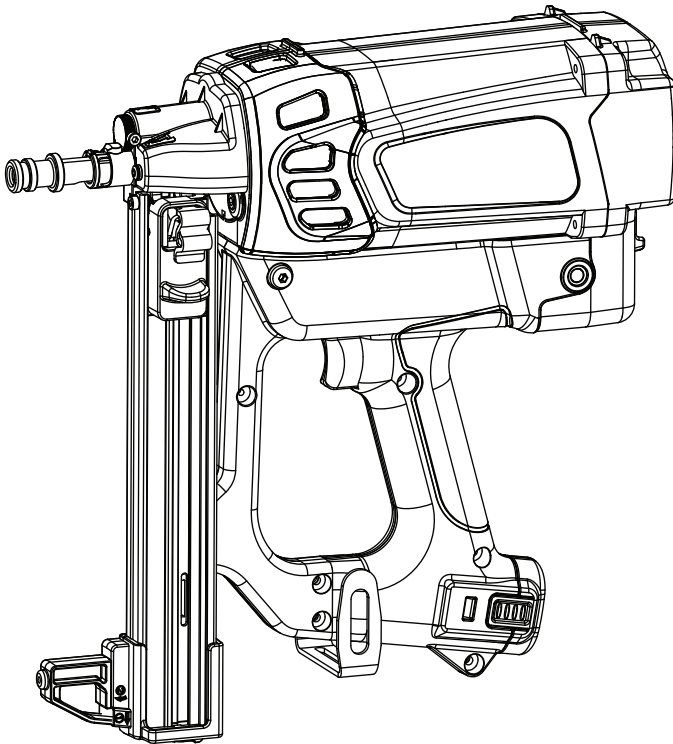




**TRUTEK<sup>TM</sup>**  
CONSTRUCTION FASTENING SYSTEMS

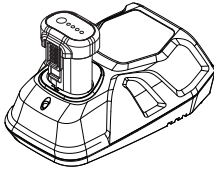
# CONCRETE GAS TOOL



## OPERATIONAL MANUAL

## 1 - OPERATIONS

### A. Charging



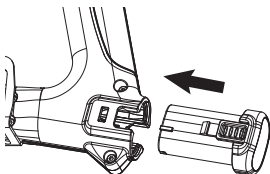
#### Steps:

1. Plug the battery charger into the proper AC voltage source, green light will be flashing.
  2. Insert the battery into charger, red light will alight indicating the battery is charging.
  3. It takes about 60 minutes for charging.
  4. When fully charged, green light will remain alight.
  5. After charging, unplug the charger from the power source.
- If orange light is blinking, remove the battery cartridge and plug again.
  - If this happens continuously, the battery cartridge or charger may be damaged. Consult authorized serviceman for replacement of new battery cartridge.

#### NOTE:

- Never attempt to open the charger or battery cartridge.
- The battery charger is for charging specific battery pack. Never attempt to charge battery pack from other manufacturer's battery cartridge. Unsuitable battery cartridges may cause fire that causes injury.
- When the battery charger is being used, keep out of direct sunlight.
- To get better cooling effect, keep the exhaust area clean.

### B. Installing and removing the battery



#### Steps:

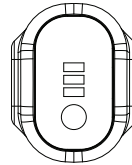
1. Empty fasteners from the magazine and make sure the trigger is not pulled while installing

the battery.

2. To install the battery, insert the battery cartridge until hearing a "click".

3. To remove the battery, grip the buttons on both side of battery cartridge and pull out.

### C. Battery Light Indicator

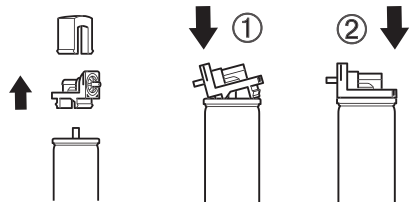


LED	Battery Level
All LEDs	100%
1 Green and 1 Red LED	50%
1 Red LED	25%

#### NOTE:

- After using the tool, remove the battery from the tool to prevent the tool from being fired.

### D. Preparing the fuel cell



#### Caution !

- Never attempt to use fuel cell from other manufacturer.
- Do not remove the cap when it is unused.
- Never drill a hole on the fuel cell.
- Do not inhale the gas. Breathing in the gas could cause sleepiness, dizziness or nausea.
- The fuel cell is not refillable, do not attempt to refill the gas.

#### Steps:

First ensure to use the correct colour valve, Please refer to the technical specifications.

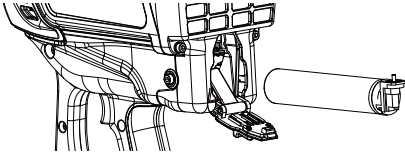
1. Detach the cap, attach the valve by pushing in the front edge.

2. Pushing the rear edge until it has "clicked".

**NOTE:**

- Make sure the fuel cell valve is attached firmly, if not, gas leakage may occur and create hazards to users and bystanders.

**E. Installing/Removing fuel cell**



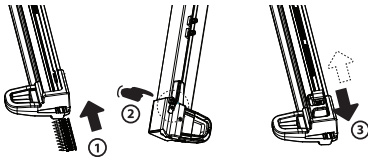
**Caution !**

- Make sure the trigger is not held while inserting fuel cell.
- Empty fasteners in the magazine before installing fuel cell.
- Do not press on the surface ground while installing.

**Steps:**

1. Open the flap.
2. Insert the fuel cell, make sure the rubber is placed underneath the fuel cell.
3. Direct the jet nozzle into the adaptor.
4. Close the flap.
5. For removing fuel cell, reverse the above steps.

**F. Loading/Unloading the pins**



**Caution !**

- Make sure the trigger is not held while loading the pins.
- Do not press on the surface ground while loading.

**Steps:**

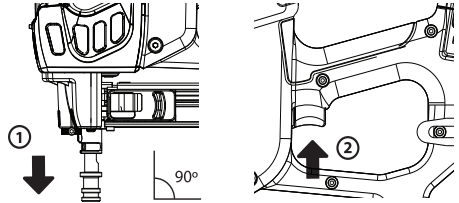
1. Load the pins into the slit in the rear of the magazine, press the button at the back of the mailer stopper to allow them sliding to the top of the follower.
2. Pull the follower holder to the bottom of the

magazine through the nails and release gently.

3. For removing the pins, pull the follower to the top and allow the nails to slide to the nail stopper.

4. Press the nail stopper behind the channel and remove the pins from magazine channel.

**G. Driving the pins**



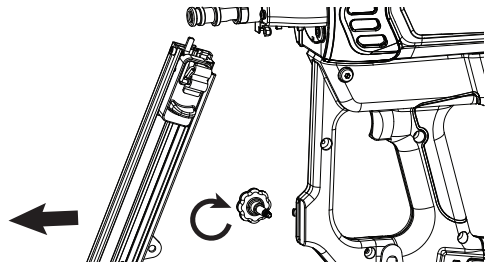
**Caution !**

- Please READ and UNDERSTAND the section "General Safety Instructions" for personal and working environment safety.
- If you spot of any abnormality about the tool, contact nearest authorized serviceman for inspection and repairing.

**Steps:**

1. Press the Nose of the contact arm against working surface (90° against the surface) firmly until you hear the fan motor is working.
2. Pull the trigger, the pins are driven to the object.
3. Release the trigger and lift the tool.

**H. Cleaning jam**



Jamming of pins could be evident if users cannot drive the fasteners properly, try following steps in subsequent order.

**Caution !**

- Place the tool on a flat surface prior to releasing the magazine, magazine may pop

off suddenly.

- Read previous sections to fully understand battery cartridge installation/removal and unloading fasteners.

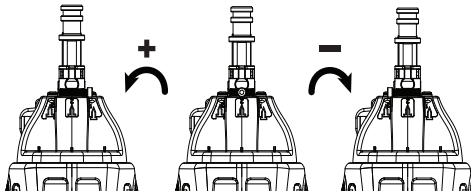
## Steps:

1. Remove the pins, fuel cell and battery from tool.
2. Unscrew the track knob to release magazine channel.
3. Clean any residue along the driving path in the nose piece and pin guide.
4. To install the magazine, first engage the magazine in the slot of the nose piece.
5. Screw the track knob to affix the magazine to the handle.

## NOTE:

- Do not release the magazine with fasteners inside. The follower may pop the pins out and cause injury.
- Wear safety goggles, the jammed fastener may jump out and hurt the user.

## I. Adjust the driving depth



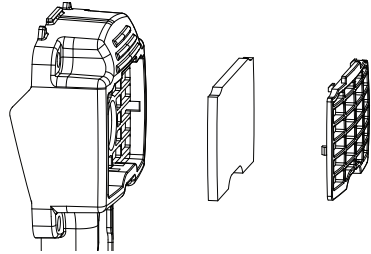
## Caution !

- Please READ and UNDERSTAND the section 1 "General Safety Instructions" for personal and working environment safety.
- Never press the pin guide by bare hand or by any parts of the body.
- Never point the tools at anybody.

## Steps:

1. Remove the pins, fuel cell and battery attached on the tool.
2. Toggle the dial nut left or right according to the desired driving depth.

## J. Cleaning Filter



The filter at the back of the tool acts crucially to suck in air into the chamber. For maintaining the best performance of the tool users should always keep it clean.

1. Pry the filter cover out with a screwdriver.
2. Take out the foam filter and replace with a new one.
3. Put the filter and filter cover on the machine.

## NOTE:

- Do not attempt to use water to clean the foam filter. The filter cover and foam filter must be dry when operating the tool. If wet it may easily cause malfunction to the tool.

## 2 - TROUBLESHOOTING



### WARNING:

To reduce the risk of serious personal injury, ALWAYS unload the battery, the pins and fuel cell from the tool before all repairs.

### A. Battery/Charger Problems

#### SYMPTOM 1

Battery Cell does not appear to accept charge. Green charger light does not come on after several hours.

Possible reasons	Services
Inoperative indicator lights on charger.	Try Battery in tool after 1 hour on charge cycle. If tool functions properly charger lights are not working correctly. Replace charger, or monitor time to ensure Battery Cell has adequate time for recharging. It's normal for Battery to feel warm after properly charging.
Damaged charger.	Discontinue use immediately and unplug from power source. Replace charger and tag or dispose of charger to prevent accidental reuse or connection to power source.

#### SYMPTOM 2

Red LED on charger is blinking.

Possible reasons	Services
Battery is hot.	Remove battery from charger and allow to cool. Inspect battery charger and cartridge.

#### SYMPTOM 3

Orange LED on charger is blinking.

Possible reasons	Services
Charger damaged.	Replace Charger.

### B. Normal Stage of Operation

#### SYMPTOM 1

Fan does not run.

Possible reasons	Services
Battery is not charged.	Charge Battery according to Operating Manual.
Battery Terminals or Handle battery contacts are oily, dirty, or corroded.	Clean Battery Cell terminals Clean Handle Battery Cell contacts as required.
There is electrical short somewhere.	The tool must be looked into by Authorized Serviceman.

#### SYMPTOM 2

Fan does not run, or runs slower than normal.

Possible reasons	Services
Battery is discharged.	Charge Battery Cartridge.

#### SYMPTOM 3

Fan runs intermittently.

Possible reasons	Services
Battery is loose or contacts are bent.	Snap battery back into its locked position. Bend contacts back into proper position by Authorized Serviceman.

### C. Pre-Combustion/Combustion Stage of Operation

#### SYMPTOM 1

Contact Arm does not depress fully, tool does not operate.

Possible reasons	Services
Lockout Bar is stuck in lockout position.	Check if there is not enough pins in the channel, load extra pins according to Operating Manual.
The nose piece is bent, or the channel is stuck with dirt.	Inspect if the nose piece and channel is clean. If it is damaged, consult authorized serviceman for repair and replacement of the parts.
Follower holder positions wrongly at the top of the magazine strip.	Slide the follower holder to the bottom and release gently.
Cylinder head O-Ring pinched.	Contact authorized serviceman for repair.
Jammed fasteners.	Clear jam according to User Manual.

#### SYMPTOM 2

Failure to install fasteners to nose piece.

Possible reasons	Services
Piston positioned wrongly.	Return piston to original position with a rod or screwdriver.
O-Ring is damaged and causing leakage of gas.	Contact authorized serviceman for repair.
Damaged valve plate or reed of the cylinder body.	Contact authorized serviceman for repair.

#### SYMPTOM 3

Tool will not cycle - fan runs.

Possible reasons	Services
Fuel Cell is empty.	Replace Fuel Cell.
Spark does not occur.	Contact authorized serviceman for repair.

#### SYMPTOM 4

Fail to drive fasteners.

Possible reasons	Services
Water vapour surrounding spark causing short circuit.	Dry the spark area or contact authorized serviceman for repair.
Sealing ring damaged.	Contact authorized serviceman for repair.
Piston guide stuck with dirt.	Contact authorized serviceman for repair.

### D. Power/Exhaust Stage of Operation

#### SYMPTOM 1

Tool operates properly, but fasteners do not drive fully.

Possible reasons	Services
Battery is discharged.	Charge battery.
Fuel Cell is low.	Replace fuel cell according to User Manual

#### SYMPTOM 2

Tool operates, but no fastener is driven.

Possible reasons	Services
------------------	----------

Fastener strip may be bent.	Use only fasteners meeting designated specifications.
Follower holding wrong at the top of the pin strip.	Slide follower holder gently to the bottom and release to reset the pin strip in the magazine.
Jammed fasteners	Clear jam according to User Manual.

**SYMPTOM 3**

Operation of the tool is not stable.

Possible reasons	Services
Fuel Cell is low.	Replace fuel cell according to User Manual.
Spark Plug wire is loose.	Contact authorized serviceman for repair.
Filter element is dirty, causing tool to overheat.	Remove filter element and clean or replace according to User Manual.
Tool sleeve or O-Rings are dirty.	Contact authorized serviceman for repair.

**SYMPTOM 4**

Unstable performance.

Possible reasons	Services
Built-up dirt and debris inside cylinder	Contact authorized serviceman for repair.

**SYMPTOM 5**

Diminishing power.

Possible reasons	Services
Damaged piston or cylinder.	Contact authorized serviceman for repair.

**SYMPTOM 1**

Tool operated and drove fastener, but piston did not return to up position.

Possible reasons	Services
Mushrooming of Piston Tip.	Contact authorized serviceman for repair.
Exhaust ports on the sleeve are dirty or clogged	Contact authorized serviceman for repair.
Tool (Sleeve) or O-Rings are dirty.	Contact authorized serviceman for repair.

**SYMPTOM 2**

Combustion Chamber does not drop after tool cycles.

Possible reasons	Services
Contact arm is bent, or tool is dirty.	Clean tool or replace contact arm as require

## E. Returning/Purging Stage of Operation

### 3 - COPYRIGHT

#### Copyright:

Trutek Fasteners Polska  
Ul Wojska Polskiego 3,  
Mielec 39-300  
Polska

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The national safety and occupational safety regulations and the safety precautions given in this operating manual must be observed when using the tool. All product designations and brand names are the property of their owners and are not explicitly marked as such.

Amendments to content reserved.

### 4 - DISPOSAL



Separate collection. Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase the new product.



Separate collection of packaging and failed rechargeable battery in accordance with the recycling regulations applicable in your country.

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