

**Alltrades**  
**Model No. 08190**  
**12V Cordless Grease Gun**  
**Owner's Manual**



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expressed explicitly in these instructions will void the warranty and any claim to liability.

**Models and Components**

Model	Battery	Charger	Case

**Specifications**

Operating Power, Volt DC	12
Maximum Operating Pressure, PSIG (bar)	6500 (448)
Grease Reservoir Capacity, oz. (cm <sup>3</sup> )	14.5 (411)
Lubricant (Grease)	Up to NLGI# 2
Working Temperature, °C	-18-50
Working Speed, oz./min	2.6
Battery Capacity, mAh	1300
Quick Charge	1 Hour
Oil Hose Length, in. (cm)	30 (76)

**[WARNING SYMBOL] Work Area**

Never operate the Grease Gun in an explosive atmosphere. Electric power tools can create sparks which could ignite flammable liquids, dust, or fumes. Do not use the battery charger in damp or wet locations. Keep bystanders and children away while operating to avoid mistakes and accidents.

**[WARNING SYMBOL] Electrical Safety**

Recharge the battery pack only with the specified battery charger. A charger suitable for one type of battery may create a risk of fire when used with another battery. Use the Grease Gun only with the specifically designed battery pack. Use of any other batteries may create a risk of fire.

Batteries are shipped in an uncharged state. Charge batteries for 12 hours before first use.

**[WARNING SYMBOL] Personal Safety**

Always wear eye protection. The Grease Gun can generate up to 6500 psi (448 bar). Grease injection injuries are a very serious injury. Hold the hose only in the area of the spring guard. Avoid accidental starting; ensure switch is not depressed when inserting battery pack. Do not bend hose so it kinks. Replace the hose at the first sign of wear, kink, or damage to the outside jacket.

**Grease Gun Use and Care**

Do not continue holding trigger if the Grease Gun is stalled. This could damage the motor or cause fire. When not in use, keep battery pack away from other metal objects, such as paper clips, coins, keys, nails, screws, or other small metal objects that could make contact with terminals and cause sparks or fire.

**Service**

Avoid risk of injury by servicing the Grease Gun only through qualified repair personnel. Use only NIKOTA replacement parts. Use of unauthorized parts may create risk of injury and will void the warranty.

**Read This First**

1. Unpack the Grease Gun kit, which includes grease gun, battery charger, and user manual.
2. Read and carefully observe these operating instructions before unpacking and operating the Grease Gun. Always observe the safety regulations to reduce the risk of fire, electric shock and personal injury. Understand the following instructions before attempting to operate this product. Keep this guide available for easy reference.
3. The battery is not charged. Follow the instructions in the Operation section of this guide.

**General Description**

The Alltrade Tools 12V Cordless Grease Gun is a fully battery-operated, automatic grease gun. The gun is designed for manual lubrication of grease points. It includes a pressure release valve to relieve pressure in excess of 6500 psi (448 Bar) in the case of a blocked bearing, fitting, or lubrication line.

**Appropriate Use**

The Grease Gun is designed to pump and dispense lubricant using a 12 volt battery pack. Do not exceed the maximum specification ratings. Any other use than

## Inspection

Visually inspect the Grease Gun prior to use for damaged, loose, or missing parts. If equipment is worn or damaged, remove it from service. Contact an authorized service center for damage assessment and repair.

## Safety Instructions for Charger and Batteries

1. Before using a battery charger, read all instructions and cautionary markings on the Battery Charger, Battery Pack, and the product using the battery.
2. **CAUTION:** *To reduce the risk of injury, the NIKOTA charger should only be used to charge the NIKOTA battery pack. Other types of batteries may burst causing personal injury and damage.*
3. Do not expose charger to rain, snow, or frost.
4. Do not abuse the cord. Never carry the charger by the cord or yank it to disconnect it from the receptacle. Pull by the plug rather than the cord when disconnecting the charger. Replace damaged or worn power cord and strain reliever immediately. **DO NOT ATTEMPT TO REPAIR POWER CORD.**
5. Make sure the cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
6. Do not use an extension cord unless absolutely necessary. Use of improper extension cord could cause fire or electric shock. If necessary to use an extension cord, make sure the cord is properly wired and in good electrical condition. If using outdoors, ensure cord is marked with W-A suffix, such as SJTW-A to indicate acceptable use for outdoors.
7. Do not operate charger with damaged cord or plug. To avoid hazard, replace immediately and **DO NOT ATTEMPT TO REPAIR POWER CORD.**
8. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. Take the unit to a qualified service center.
9. When service or repair is required, do not disassemble the charger or battery pack. Take it to a qualified service center. Incorrect reassembly may result in risk of electrical shock and fire.
10. Unplug charger from outlet before attempting any maintenance or cleaning to reduce risk of electric shock.
11. Charge the battery pack in a well-ventilated place, do not cover the charger and battery with a cloth, etc., while charging.
12. Do not store the charger or battery packs in locations (such as metal tool shed, or a car in the summer) where the temperature may reach or exceed 122 F (50 C), which can lead to deterioration of the storage battery.
13. Do not obstruct vent slots in top and bottom of charger.

14. Do not charge battery when temperature is BELOW 32°F (0°C) or ABOVE 104°F (40°C).
15. Do not incinerate battery pack – it can explode in a fire.
16. Do not charge battery in damp or wet locations.
17. Do not attempt to charge any other cordless tool or battery pack.
18. Do not short the terminals of the battery pack. **EXTREMELY HIGH TEMPERATURES COULD CAUSE PERSONAL INJURY OR FIRE.**
19. Dispose of expended batteries properly. The NIKOTA battery pack contains rechargeable, nickel-cadmium batteries. These batteries must be recycled or disposed of properly at your local replacement battery retailer or recycling center.

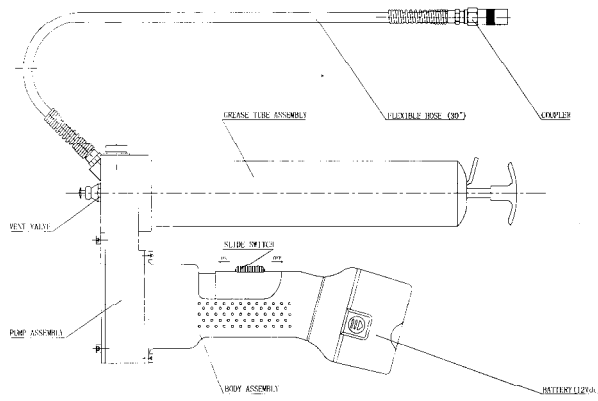


Figure 1 Battery Charger

## Operation

[WARNING symbol]

Never operate the Grease Gun in an explosive environment. Electric power tools can create sparks, which could ignite flammable liquids, dust, or fumes. Wear safety glasses and gloves for protection. Keep your hands clear of the exposed rubber portion of the hose. Extreme pressure may cause nozzle extension or whip hose to burst. Use only NIKOTA approved hoses and follow whip hose instructions and warnings.



- Grease gun technical data:
1. Working voltage: 12Vdc
  2. Max working pressure: 6000PSI
  3. Oil capacity: 14.5oz
  4. Working temperature: -18-50°C
  5. Battery capacity: 1300mAh
  6. Working speed: 2.6oz/min
  7. Charger: 1 hour
  8. Oil hose length: 30"

## Charger Operation

1. Make sure the power source voltage for connecting the battery charger is the same as that shown on the charger specification plate. Connect the charger to the power source.
2. Place the battery in the charger. Do not force - the slot on the battery and the charger base must be aligned. When properly connected, the green light displays.
3. Press the **SET** button. The green light goes off and the red light glows, indicating that the charger is in Charge mode.
4. When the battery is fully charged, the red light goes out and the green light glows. Remove the battery.
5. Disconnect the charger from the power source when not in use.

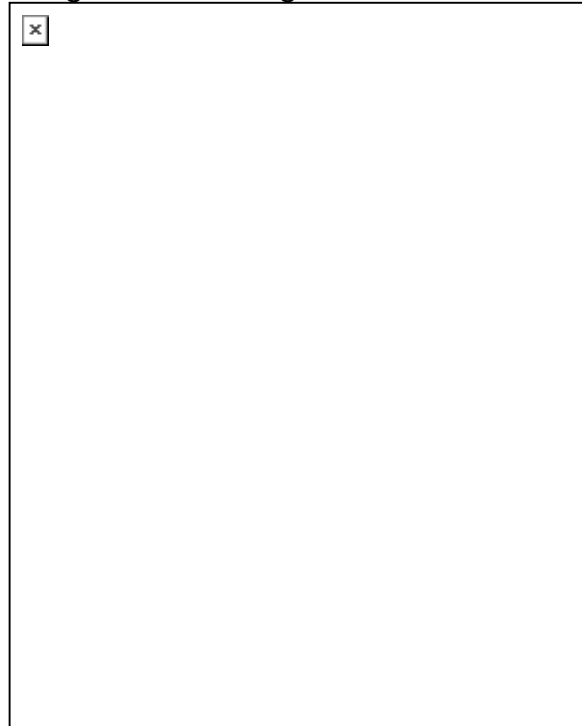
*NOTE: Battery temperature will increase during and shortly after use. Batteries may not accept a full charge when charged immediately after use. Allow the battery pack to cool to room temperature before charging for best results.*

## Using a Grease Cartridge

### Removing Empty Grease Cartridge

1. Pull back on the follower handle until the follower rod is fully extended and latch the follower rod groove into the slot on the tube cap.
2. Unscrew the grease tub assembly from the pump assembly.
3. Carefully release the follower handle to eject the empty cartridge from the container tube.

## Installing Grease Cartridge

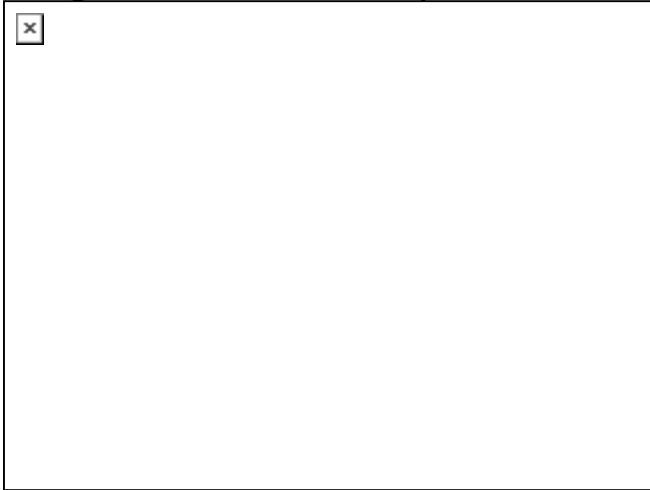


1. Pull back on the follower handle until the follower rod is fully extended and latch the follower rod groove into the slot on the tube cap.
2. Remove the plastic cap from the grease cartridge and insert the cartridge into the container tube.
3. Remove the pull tab from grease cartridge and screw grease tube assembly into pump assembly.
4. Release the follower rod from the slot.

## Filling Gun from a Bulk Container

1. Remove the pump assembly from the grease tube assembly.
2. Insert the open end of the grease tube assembly into the bulk container. Slowly pull the follower handle back while pushing the grease tube assembly deeper into the lubricant to preventing air pockets.
3. When the follower rod is fully extended, pull it sideways to latch the rod groove into the keyhole slot in the grease tube assembly cap.
4. Assemble the pump assembly to the grease tube assembly. Disengage the follower rod from the follower by rotating the follower handle. Push the follower rod into the grease tube assembly.

### Filling Gun with a Filler Pump



1. Engage the follower rod with the follower by rotating the follower handle.
2. Insert the gun filler nipple into the filler pump socket.
3. Operate the filler pump to fill the container.
4. When you see the follower rod groove (rod is extended about 8 inches (20 cm), the grease tube assembly is full. Disengage the follower rod from the follower by rotating the follower handle.
5. Push the follower rod into the grease tube assembly.

### Expelling Air Pockets

*CAUTION: Air pockets in the cartridge lubricant cause the gun to lose its prime.*

1. Withdraw the follower rod from the grease tube assembly cap and engage it with the follower by rotating the follower handle. Exert force on the follower handle while holding down the vent valve.
2. Pull the gun trigger in short bursts until all trapped air is expelled. Disengage the follower rod from the follower by rotating the follower handle. Push the follower rod into the grease tube assembly.
3. If step 2 fails, unscrew the grease tube assembly 1-1/2 turns from the pump assembly.
4. Exert force on the follower handle until lubricant oozes from the grease tube assembly and the pump assembly interface.
5. Tighten grease tube assembly into the pump assembly. Disengage the follower rod from the follower by rotating the follower handle. Push the follower rod into the grease tube assembly.

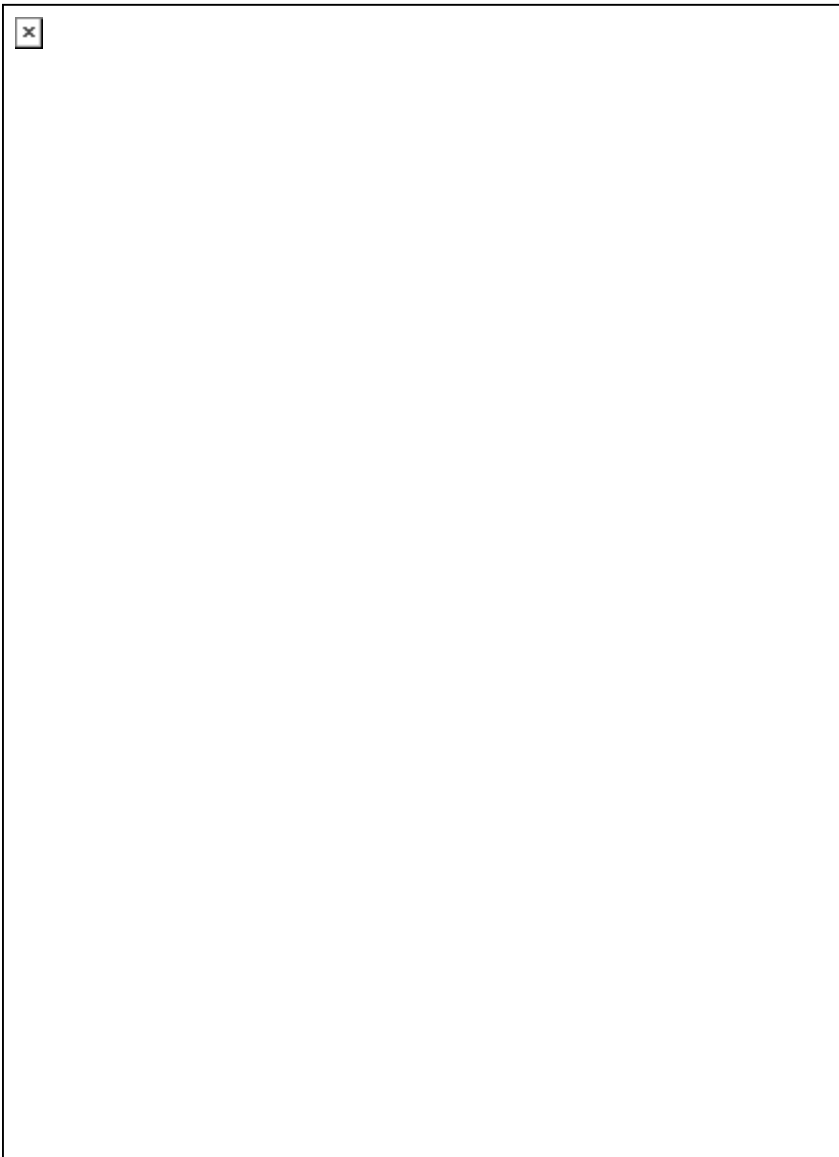
### Priming the Gun

With grease in the grease tube assembly, press the gun trigger until grease flows from the hose. Use the vent valve to expel any remaining air pockets.

### Troubleshooting

Problem	Possible Cause	Corrective Action
Motor does not run	Battery discharged Faulty wiring	Recharge battery Take to service center
Pressure relief valve remains open	Blockage in line or fitting	Check hose and grease fitting. Remove and clean.
Gun does not dispense grease	Grease tube is empty Loss prime	Check grease tube contains grease Prime the gun
Continuous loss of prime	Air pockets Follower is binding in grease tube assembly	Empty grease tube assembly, refill, and re-prime. Replace grease tube

For further assistance contact support at 800-???-???? or visit our web site at <http://www.alltrades.com>.



**Assembly and Maintenance Notes:**

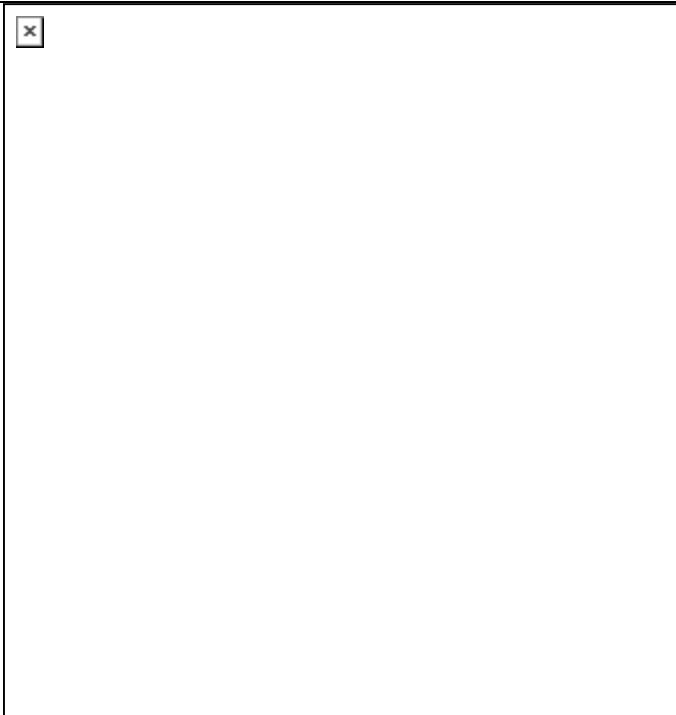
Nickel-cadmium batteries gradually lose their power retention capacity over hundreds of charge cycles. When this occurs, replace battery pack.

Motor polarity is important: the positive (red) wire must be connected to the positive terminal on the motor.

The green ground wire must be secured under the motor mounting screw.

**Figure 2 Grease Gun Components**

Item	Description	Part No.
	Motor housing	
	Coupler	
	Nameplate	
	Pump assembly	
	Handle assembly	
	Battery	



**Assembly and Maintenance Notes:**  
?????????????

**Figure 3 Grease Gun Inner Drive Components**

Item	Description	Part No.
	Check Valve kit	
	Plunger	
	Reciprocate block	
	Inner gear (metal)	
	Gear (metal)	
	Motor Kit	
	Drive gear (metal)	
	Seal	