



**MODEL CJ-95**  
**CoilJet Portable HVAC Coil Cleaning System**



**OPERATING AND MAINTENANCE**  
**INSTRUCTIONS**

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## Warranty

This unit has been carefully tested and inspected at the factory and is warranted to be free from defects in material or workmanship. The company will, under this warranty, repair or replace any parts which prove, upon examination, to be defective. This warranty is F.O.B. factory and is valid for one year from date of purchase by original purchaser.

This warranty does not include unusual wear, abuse, damage resulting from accident, or unreasonable use of the portable HVAC coil cleaner, including using unapproved chemicals or detergents. Any repair made by others automatically voids this warranty.

For repairs or warranty information DO NOT contact the place of purchase. Call *SpeedClean* directly at the phone number below.



***404 West Avenue  
Stamford, CT 06902  
(888) 700-3540***

# Important Safety Instructions

Read and understand all instructions before using the unit. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

## SAVE THESE INSTRUCTIONS!!

- Always check the unit, hoses, fittings, etc. before each use.
- Do not fill with gasoline or any other flammable liquid. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
- Make sure that there is adequate ventilation in the work area.
- Stay alert, watch what you are doing and use common sense when operating this unit.
- Keep bystanders, children, and visitors away while operating this unit.
- Turn unit off and relieve pressure in the hose when done.
- Do not use while tired or under the influence of drugs, alcohol, or medication.
- Use only the supplied battery charger. Do not handle the charger with wet hands.
- Do not use the unit while plugged into the battery charger.
- Be careful – a fully filled unit is heavy!! Do not make any sudden movements when using this unit with the shoulder strap.
- Do not overreach or stand on unstable support. Keep proper footing and balance at all times.
- Wear rubber gloves, rubber boots, goggles or face-shield, etc. Detergents and chemicals may cause injuries to the eyes and skin. Protect yourself from direct skin contact with the chemicals and debris found in the coil cleaning environment.
- ***Do not use any cleaner that contains sodium or potassium hydroxide!!*** Call *SpeedClean* to check compatibility before using any chemical in the CoilJet™.
- ***Do not mix chemicals!!*** Mixing incompatible chemicals may cause damage to the unit or cause dangerous, life-threatening chemical reactions.
- Do not use the unit if it does not operate properly or has been damaged. Do not try to service the unit yourself - call *SpeedClean* for assistance. Service must be performed only by qualified repair personnel. Service performed by unqualified personnel could result in a risk of injury and voids the warranty.
- Never point the spray gun at anyone. Do not direct stream at eyes or mouth.
- Always turn machine off after use or when tank is empty. Running a water pump “dry” drains the battery and may cause damage.
- Do not spray the unit with water or chemicals.
- Do not allow the unit to freeze or leave in freezing temperatures.
- Do not use water with a temperature of more than 125°F (52°C).
- Use only approved accessories and replacement parts.
- Follow maintenance procedures outlined in this manual.

## WARNINGS:

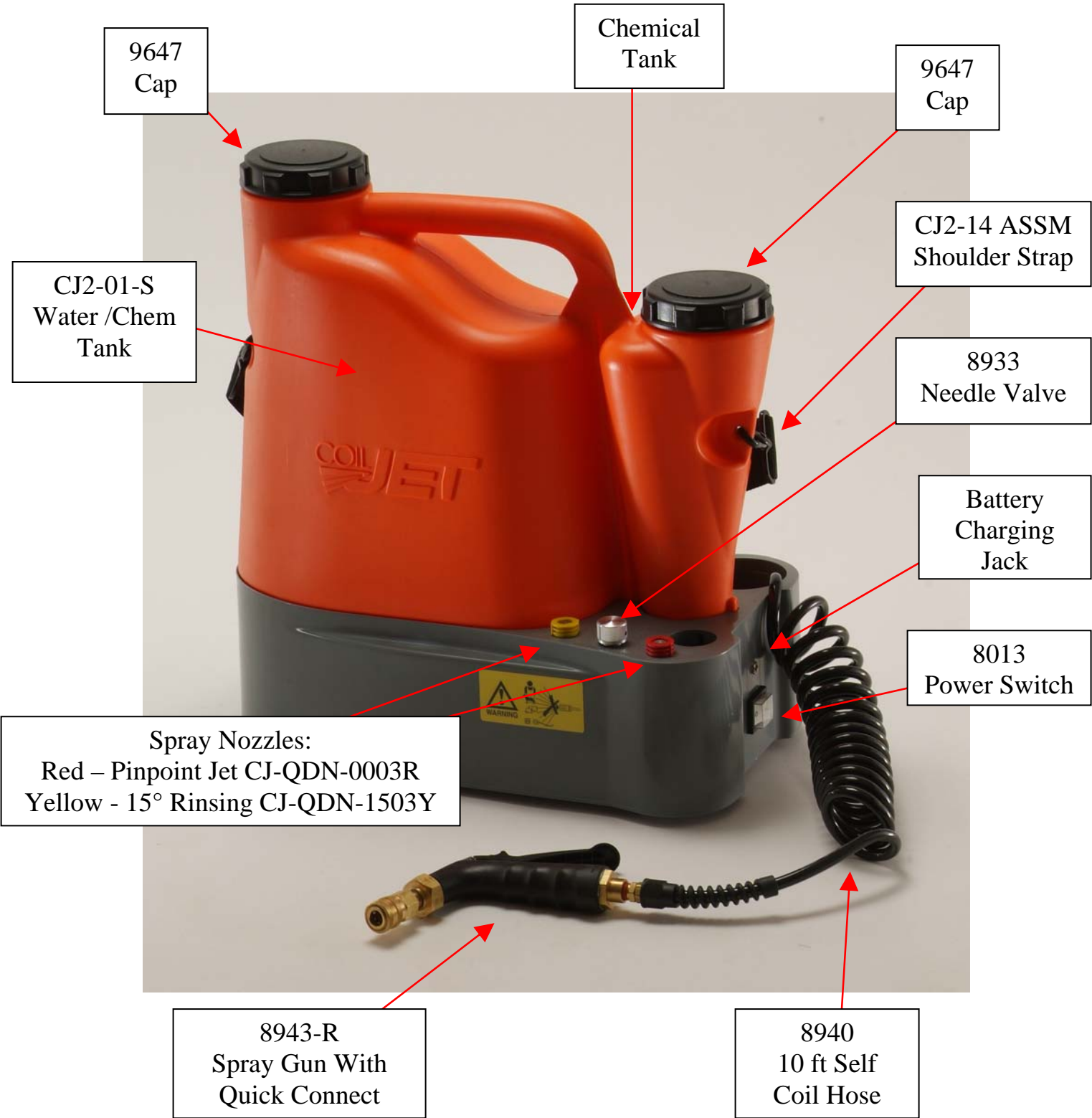
- The motor is equipped with an automatic shut-off that disconnects power when the spray gun trigger is released to maximize battery life. The unit may appear to be “off” (not running), but if the power switch is on or the system pressure is not relieved the unit will discharge when the spray gun trigger is squeezed. Do not leave the unit in automatic shut-off condition for more than 10 minutes.
- The cords, wires, and/or cables supplied with this product may contain chemicals, including lead or lead compounds, known to the State of California to cause cancer and birth defects or other reproductive harm. Always wash hands after using.

# Assembly

The CoilJet CJ-95 is shipped fully assembled. However, the battery leads need to be connected before first use. Open the battery door, remove the battery, and connect the leads – red wire to the positive terminal and black wire to the negative terminal.

**Note:** The battery should be fully charged before first use. When you first unpack the unit, plug the charger it into a 120 volt AC outlet and charge the unit until the light on the battery charger is green.

## Parts Breakdown



**\*Not Shown**

CJ2-05  
Motor Pump Assm.

CJ2-07  
Small Check Valve

CJ2-07-1  
Large Valve

CJ2-17  
15A Fuse



CJ2-14-ASSM Shoulder Strap



CJ-9693 Battery Charger

# Operating Instructions

## *Pre-Operation Checklist*

- Check for adequate water and chemical cleaner supply (use only mild cleaners).
- Make sure the battery has sufficient charge for normal operation.
- Check spray nozzles and make sure orifice is not blocked or worn to excess.
- Check pressure hose for wear or kinks.
- Check all connections, fittings, screws and fasteners.

## *Charging the Battery*

1. The unit is supplied with a 12 volt Sealed Lead Acid Battery, which will provide up to 1 hour of continuous use or 2-3 hours of intermittent use when fully charged.
2. It will take approximately 4 hours to charge a fully discharged battery.
3. Make sure the Power Switch is in the “Off” position when charging.
4. An orange/red light means the battery is charging, a bright green light means the battery is fully charged.
5. The unit can be left plugged-in indefinitely - once the battery is fully charged the battery charger will switch to a “maintain charge” mode.

## *Changing the Battery*

1. The battery can be quickly removed from the unit, allowing the insertion of a fresh battery. Spare batteries and chargers are available – contact SpeedClean.
2. To replace the battery:
  - a. Turn power switch off.
  - b. Remove the battery door by pulling up.
  - c. Carefully remove the battery. Undo the battery terminal connectors from the battery.
  - d. Attach the battery connection wires to the fresh battery (Caution - Black battery connection wire to the Negative (Black) battery terminal and Red wire to Positive (Red) battery terminal.
  - e. Replace the battery in the battery compartment and replace the battery cover.

## *Normal Coil Cleaning Operation*

1. Fill the water and chemical tanks. Before priming the pump, make sure chemical valve is fully closed and remove any nozzle from the spray gun.
2. Flip the Power Switch to the **ON** position.
3. Squeeze the spray gun trigger to prime the pump.  
**NOTE:** If you are having trouble priming the pump, make sure the water tank is fully filled, place the unit on a table or support, hold the spray gun below the level of the pump and squeeze the trigger until a steady flow of water appears.
4. Fully open the chemical valve (counter-clockwise). Squeeze the spray gun trigger repeatedly until chemical is primed.
5. Adjust chemical valve to desired dilution ratio (see below).
6. Attach nozzle to spray gun.
7. Apply water/chemical solution evenly to coils.
8. Fully close the chemical valve (clockwise).
9. If possible, let foaming coil cleaner solution sit for 5 minutes to penetrate into coils.
10. Rinse coils with clean water.

11. Flip Power Switch to **OFF**. Always relieve the pressure by pointing the spray gun in a safe direction and squeezing the spray gun trigger.

***Chemical Dilution Ratios***

Turn Chemical Valve counter-clockwise to open, clockwise to close.

1	Turn	Open	=	30:1
1.5	Turns	Open	=	20:1
2	Turns	Open	=	15:1
2.5	Turns	Open	=	7:1
	Fully	Open	=	4:1

**General Maintenance and Storage**

1. When done using the unit, run clean water through the pump..
2. Protect unit from freezing temperatures. Do not store unit outdoors.
3. The unit can be stored above freezing temperatures for short periods of time (less than 1 week) with liquid in the tanks.
4. To protect the unit from damage, chemical and water should be drained from the tanks and the pump and chemical valve flushed with clean water before the unit is placed in long term storage.
5. If the unit is to be stored for an extended period of time in an unheated location pour about 1 quart of RV antifreeze into the tanks. Open the chemical valve and run the pump until antifreeze exits the spray gun. Turn unit off and relieve pressure.  
**IMPORTANT: Use only RV antifreeze. Normal Antifreeze is corrosive and may damage the pump.**
6. When using the unit after long term storage, flush with clean water before use.
7. During long term storage, plug the unit into the battery charger at least once a month to maintain battery life. The unit may be left plugged-in indefinitely.

**IMPORTANT BATTERY INFORMATION:** Always charge the unit after use. Leaving a Sealed Lead Acid battery discharged may cause permanent damage and will void the warranty on the battery. Use only the supplied “smart” battery charger that will never overcharge the battery. Overcharging a Sealed Lead Acid battery will cause permanent damage and void the warranty.



# Troubleshooting

Problem	Probable Cause	Remedy
Inconsistent and/or erratic pressure	<ul style="list-style-type: none"><li>• Nozzle worn</li><li>• Nozzle clogged</li><li>• Water/chemical is low</li><li>• Air sucked into system</li><li>• Air in pump (not properly primed)</li><li>• Vacuum lock (cap vent clogged)</li><li>• Water temp too high</li><li>• Low battery</li></ul>	<ul style="list-style-type: none"><li>• Replace nozzle</li><li>• Clean nozzle orifice</li><li>• Add water and/or chemical</li><li>• Fill Tanks(s)</li><li>• Remove nozzle, prime pump</li><li>• Clean cap air vent</li><li>• Add cold water to reduce temp</li><li>• Charge or replace battery</li></ul>
Motor continues to run even though trigger is released	<ul style="list-style-type: none"><li>• High pressure system or pump hydraulic circuit not watertight</li><li>• Air in system</li><li>• Tank(s) Empty</li></ul>	<ul style="list-style-type: none"><li>• Check for leaks at spray gun and pump</li><li>• Re-prime the unit</li><li>• Fill tank(s)</li></ul>
Motor stops abruptly	<ul style="list-style-type: none"><li>• Battery too low to operate</li><li>• Battery wire(s) not connected</li><li>• Power switch off</li><li>• Thermal breaker tripped</li></ul>	<ul style="list-style-type: none"><li>• Charge or replace battery</li><li>• Check battery wires</li><li>• Turn switch on</li><li>• Turn off, let unit cool</li></ul>
Motor buzzes but fails to start or does not start at all	<ul style="list-style-type: none"><li>• Problems with pump auto shut-off</li><li>• Unit in disuse for extended time</li><li>• Pressure needs to be relieved</li></ul>	<ul style="list-style-type: none"><li>• Contact factory</li><li>• Contact factory</li><li>• Squeeze trigger and relieve pressure</li></ul>

# Accessories/Spare Parts

Accessory	Part #
12 volt Battery	CJ-9689
Battery Charger	CJ-9693
Spare Battery Charger (for external charging)	8924
Vehicle Adapter for Battery Charger	8944
90° HVAC “Wonder Wand” (2, 3, 4, or 5 ft)	8945-24, 8945, 8945-48, 8945-60
20° Foaming Nozzle	CJ-9619
15° Rinsing Nozzle (Yellow)	CJ-QDN-1503Y
0° Rinsing Nozzle (Red)	CJ-QDN-0003R



90° HVAC “Wonder Wand”  
Available in 2, 3, 4, or 5 feet



8944 Vehicle Adapter  
for Battery Charger



CJ-9689 Spare Battery