



Cleaning Gun

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

Description

The Cleaning Gun uses compressed air to spray water or a mixture of water and degreaser. Use this gun to remove grease and dirt from the engine and engine area.

Safety Guidelines

This manual contains information that is very important to know and understand. This information is provided for SAFETY and to PREVENT EQUIPMENT PROBLEMS. To help recognize this information, observe the following symbols.

⚠ DANGER Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

⚠ WARNING Warning indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

⚠ CAUTION Caution indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.

⚠ NOTICE Notice indicates important information, that if not followed, may cause damage to equipment.

Unpacking

After unpacking the product, inspect carefully for any damage that may have occurred during transit. Make sure to tighten fittings, bolts, etc., before putting unit into service.

⚠ WARNING Do not operate tool if damaged during shipping, handling or use. Damage could result in bursting and cause injury or property damage.

General Safety Information

Read all manuals included with this product carefully. Be thoroughly familiar with the controls and the proper use of the equipment.



⚠ DANGER

Do not spray flammable materials, acids, corrosive materials, toxic chemicals, chloride compounds, fertilizers or pesticides. Use of these materials could result in serious injury or death.



⚠ WARNING Never aim or spray at yourself or anyone else or serious injury could occur. Always wear eye protection.



⚠ WARNING Release all pressure from the system before ATTEMPTING TO install, service, relocate or perform any maintenance.

⚠ WARNING Never carry a tool by the hose or pull the hose to move the tool or a compressor. Keep hoses away from heat, oil and sharp edges. Replace any hose that is damaged, weak or worn.

⚠ CAUTION Do not exceed the maximum operating pressure of the air tool (90 PSI).

⚠ CAUTION Never use engine cleaning gun on a hot engine. Always allow engine time to cool.

1. Use water soluble, biodegradable solutions in the cleaning gun.
2. Observe all manufacturer's safety precautions for the products being used. Always follow the manufacturer's directions for mixing the product with water in proper pro-

portions. Refer to cleaning solution Material Safety Data Sheet (MSDS).

3. Do not depress trigger when connecting the air supply hose.
4. Protect air lines from damage or puncture. Check air hoses for weak or worn condition before each use. Make sure all connections are secure.
5. Always use a pressure regulator on the air supply to the cleaning gun. Do not exceed any pressure rating of any component in the system.
6. Do not spray solutions that will remove or discolor paint.
7. Thoroughly flush the cleaning gun with water to remove any solutions.
8. Keep all nuts, bolts and screws tight and ensure equipment is in safe working condition.
9. Keep visitors away and NEVER allow children or pets in the work area.
10. Do not eat, drink or smoke when spraying.
11. Follow all local electrical and safety codes; and in the United States, the National Electrical Codes (NEC) and Occupational Safety and Health Act (OSHA).

Air Tool Set-Up

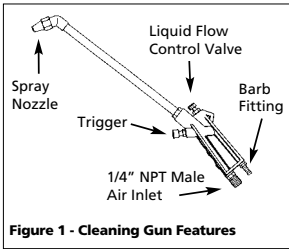
PLEASE REFER TO RECOMMENDED AIR TOOL SET-UP (IN170102AV) FOR AIR SYSTEM HOOK-UP INSTRUCTIONS.

NOTE: It is not recommended to install a quick coupler between the tool and the whip hose.

For proper performance and more convenience, use a 3/8" I.D. hose. Hoses longer than 50 feet should have a 1/2" I.D.

Operation

NOTE: The use of a lubricator, Part No. PA2081, as shown in the *RECOMMENDED AIR TOOL SET-UP* instruction sheet, is NOT recommended.



⚠WARNING Do not misuse this product. Excessive exposure to vibration, work in awkward positions and repetitive work motions can cause injury to hands and arms. Stop using any tool if discomfort, numbness, tingling or pain occur, and consult a physician.

1. Connect the solution hose to the barb fitting.
2. Place material strainer end of hose into the solution being sprayed.
3. Connect to air supply.
4. Pull the trigger and allow approximately 5 seconds for the solution to reach the spray nozzle. Release the trigger to stop the flow.
5. Adjust liquid flow control valve to obtain desired solution flow.

STORAGE

The cleaning gun must be thoroughly flushed with water before storing. Refer to cleaning solution Material Safety Data Sheet (MSDS)

TECHNICAL SERVICE

For information regarding the operation or repair of this product, please call 1-800-543-6400. If you are calling from Ohio or outside the continental United States, please call collect, 1-513-367-1182.

Troubleshooting Chart

Symptom	Possible Cause(s)	Corrective Action
Tool not siphoning solution properly	1. Solution buildup	1. Remove by flushing with warm water
	2. Corrosion	2. Disconnect hose from tool and add two drops of mineral spirits through the barb fitting on the tool after each use (See Figure 1)
	3. Low air pressure	3. Adjust the compressor regulator to tool maximum (90 PSI) while the tool is blowing air
	4. Air hose leaks	4. Tighten and seal hose fittings if leaks are found
	5. Pressure drops	5a. Be sure the hose is the proper size. Long hoses or tools using large volumes of air may require a hose with an I.D. of 1/2" or larger depending on the total length of the hose 5b. Do not use a multiple number of hoses connected together with quick connect fittings. This causes additional pressure drops and reduces the tool power. Directly connect the hoses together
	6. Liquid flow control valve shut-off	6. Adjust liquid flow control valve to desired flow

Limited Warranty

- 1. **DURATION:** From the date of purchase by the original purchaser as follows: Standard Duty Products - One Year, Serious Duty Products - Two Years, Extreme Duty Products - Three Years.
 - 2. **WHO GIVES THIS WARRANTY (WARRANTOR):**
Campbell Hausfeld / Scott Fetzer Company, 100 Production Drive, Harrison, Ohio, 45030, Telephone: (513) 367-4811
 - 3. **WHO RECEIVES THIS WARRANTY (PURCHASER):** The original purchaser (other than for purposes of resale) of the Campbell Hausfeld product.
 - 4. **WHAT PRODUCTS ARE COVERED BY THIS WARRANTY:** Any Campbell Hausfeld portable air compressor, air tool or supplementary air accessory supplied or manufactured by Warrantor.
 - 5. **WHAT IS COVERED UNDER THIS WARRANTY:** Defects on material and workmanship which occur within the duration of the warranty period.
 - 6. **WHAT IS NOT COVERED UNDER THIS WARRANTY:**
 - A. Implied warranties, including those of merchantability and FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED FROM THE DATE OF ORIGINAL PURCHASE AS STATED IN THE DURATION. If this product is used for commercial or rental purposes, the warranty will apply for ninety (90) day from the date of purchase. Some States do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.
 - B. ANY INCIDENTAL, INDIRECT, OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECT, FAILURE, OR MALFUNCTION OF THE CAMPBELL HAUSFELD PRODUCT. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
 - C. Any failure that results from an accident, purchaser’s abuse, neglect or failure to operate products in accordance with instructions provided in the owner’s manual(s) supplied with product.
 - D. Pre-delivery service, i.e. assembly, oil or lubricants, and adjustment.
 - E. Normal adjustments or expendable items which are explained in the owner’s manual(s) provided with the product including but not limited to belts and pressure switch.
 - F. Items or service that are normally required to maintain the product, i.e. lubricants, filters and gaskets, etc.
 - G. Electric motor and gasoline engine components are expressly excluded from coverage under this limited warranty. Such components should be returned by the purchaser to the original manufacturer or to its authorized repair stations for service.
 - 7. **RESPONSIBILITIES OF WARRANTOR UNDER THIS WARRANTY:** Repair or replace, at Warrantor’s option, products or components which are defective, have malfunctioned and/or failed to conform within duration of the warranty period.
 - 8. **RESPONSIBILITIES OF PURCHASER UNDER THIS WARRANTY:**
 - A. Deliver or ship the Campbell Hausfeld product or component to the nearest Campbell Hausfeld Authorized Service Center. Freight costs, if any, must be borne by the purchaser.
 - B. Use reasonable care in the operation and maintenance of the products as described in the owner’s manual(s).
 - 9. **WHEN WARRANTOR WILL PERFORM REPAIR OR REPLACEMENT UNDER THIS WARRANTY:**
 - A. Repair or replacement will be scheduled and serviced according to the normal work flow at the servicing location, and depending on the availability of replacement parts.
 - B. If the purchaser does not receive satisfactory results from the Authorized Service Center, the purchaser should contact the Campbell Hausfeld Product Service Department (see paragraph 2).
- This Limited Warranty gives you specific legal rights and you may also have other rights which vary from State to State.

Notes
