



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

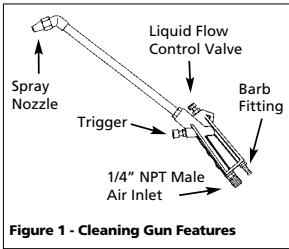
PLEASE REFER TO RECOMMENDED AIR TOOL SET-UP (IN170102AV) FOR AIR SYSTEM HOOK-UP INSTRUCTIONS.

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

