

2 Ltr Pressure Feed Tank Instruction Manual

PN: PT02



IMPORTANT: Upon receipt of the product, read and follow all safety rules, operating instructions before first use it. And retain this manual for future reference.



SAVE THIS MANUAL

You will need this manual for the safety instructions, assembly and operating instructions and parts list. Put it in a safe, dry place for future reference. Keep your invoice with this manual. Write the invoice number on the inside front cover

READ ALL INSTRUCTIONS
BEFORE OPERATING THE AIR
PAINT SPRAYER

SPECIFICATIONS

Characteristic	value
Minimum	35PSI
Maximum	50PSI
Cup Paint Volume	2L
Hose Size	3/8"
Material Output	11CFM
Air inlet	1/4"NPS

SAFETY WARNINGS & CAUTIONS

1. KEEP WORK AREA CLEAN. CLUTTERED AREAS INBITE INJURIES.
2. LEEP VHILDREN AWAY. All children should be kept away from the work area. Don't let them handle tool.
3. DO NOT OPERATE THE AIR PAINT SPRAYER IF UNDER THE INFLUENCE OFALCOHIL OR DRUGS. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to operate.
4. DO NOT SPEAY NEAT OPEN FLAMES, PILOTLIGHTS IN STOVES ORHEATERS, OR ANY OTHER HEAT SOURCE. Most solvents and coatings are highly flammable, cigarettes when painting or cleaning. Industrial applications must follow OSHA requirements.
5. READ ALL INFORMATION CONCERNING COATING PRODUCTS AND

CLEANING SOLVENTS, Chlorinated solvents, e.g. 1-1-1 Trichloroethane and Methylene Chloride (also known as methyl chloride) can chemically react with aluminum and may explode. Many paint sprayers contain aluminum. If you are in any doubt what-so-ever, contact the solvent or coating manufacturer.

6. **MATERIALS USED WHEN PAINTING AND CLEANING MAY BE HARMFUL OR FATAL IF INHALED AND/OR SWALLOWED.** Once again, when spraying, always make sure there is adequate ventilation, Use a mask or respirator when painting.
7. **CHECK ALL SEALS BEFORE CONNECTING TO AIR SUPPLY.** Make sure lid is fully attached to cup, retaining ring is screwed past the first thread, air pressure plug is tightened fully, and air supply tube is firmly attached. Never release the lid while the cup is pressurized.
8. **USE EYE PROTECTION.** Coatings will cause eye irritation, Wear ANSI approved chemical splash safety goggles. Goggles are available from Harbor Freight Tools. When cleaning, be especially careful as solvents can be forcibly ejected from fluid and air passages.
9. **DRESS SAFELY.** Protective gloves and non-skid footwear or safety shoes are recommended when working with and operating the Air Paint Sprayer. Don't wear loose clothing or jewelry. They can get caught in moving parts. Also wear a protective hair covering to prevent long hair from getting caught in the Air Paint Sprayer.
10. **DON'T OVERREACH,** Keep proper footing and balance at all times.
11. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate any tool when you are tired.
12. **CHECK DAMAGED PARTS.** Before using any tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
Check for alignment of moving parts, breakage of parts, and other conditions that may affect its operation.
13. **REPLACEMENT PARTS AND ACCESSORIES.** When servicing, use only identical replacement parts. Only use accessories intended for use with this Air Paint Sprayer. Approved accessories are available from Harbor Freight Tools.

14. **STORE IDLE EQUIPMENT.** When not in use, Air Paint Sprayer should be cleaned and then stored, fully assembled, in a dry location to reduce rust. For safety, keep out of reach of children.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools clean for better and safer performance. Follow instructions for lubricating, cleaning and changing accessories. Keep handles dry, clean and free from oil and grease,
16. **OUTDOOR EXTENSION CORD,** When air compressor is used outdoors, use only rounded jacket extension cords intended for outside use. See manufacturer's manual for the AWG required for the compressor's amperage draw.
17. **BE AWARE OF AIR HOSES AND THEIR CONNECTIONS,** Don't trip over hoses, Make sure all connections are tight.
18. **BE AWARE OF OTHER PEOPLE.** Never spray directly at people or animals

UNPACKING

The Air Paint Sprayer will need assembly. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

Item#	Description	Qty
1	Air Paint Assembly	1
2	Cover Assembly	1
3	Cup	1
4	Hose	2
5	Repair Kit	1

ASSEMBLY

The part numbers below refer to the two part lists at the end of this manual. The numbers preceded with the letter A refer to the Cup Assembly and those preceded with the letter B refer to the Spray Gun Assembly.

Step 1: Connect the black fluid HOSE(#38) to the fluid OUTLET(#A10) on the COVER CENTERPOST(#A4) and secure using the hose wrench as shown in Figure 1.

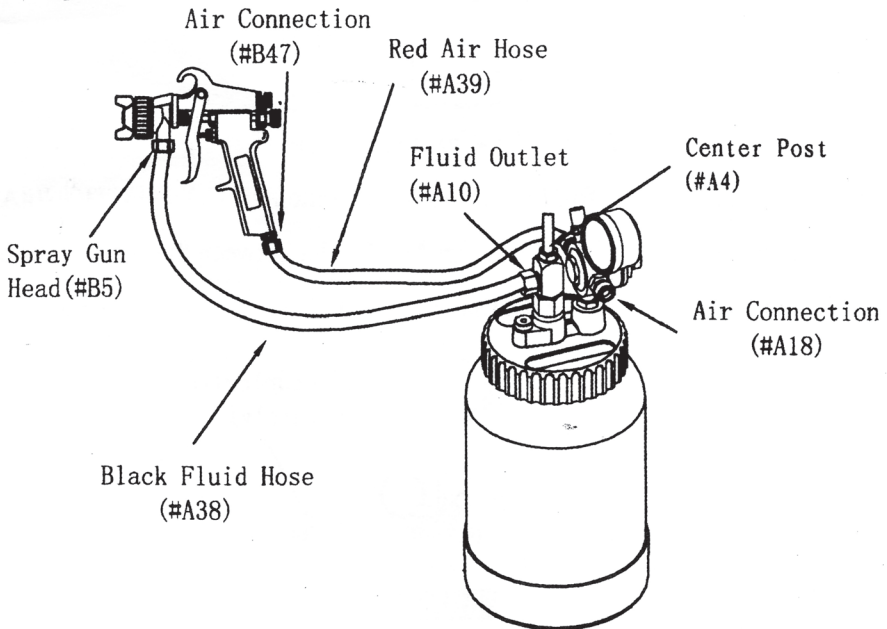


Figure 1 *Connecting the hoses*

Step 2: Connect the other end of the black FLUID HOSE (#38) to the fluid outlet located on the bottom of the Spray Gun HEAD(#B5) and secure using the hose wrench as shown in Figure 2.

Step 3: Connect the red AIR HOSE(#A39) to the AIR CONNECTION (#A18) located on the Regulator Assembly.

Step 4: Connect the other end of the red AIR HOSE to the AIR CONNECTION(#B47) located on the bottom of the gun handle.

Step 5: Connect the HANDLE(#A15) to the top of the CENTERPOST(#A4) assembly.

Step 6: Close the AIR ADJUSTINGCAP (#A21) on the Regulator Assembly by turning it clockwise.

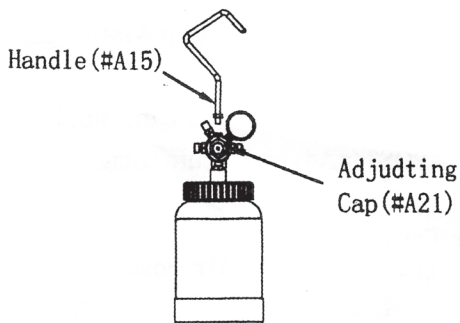


Figure2—Connecting the Handle

Step 7: Connect the air hose from the compressor to the AIR CONNECTION(#A20) and secure. You may need to use an Air Coupler between the compressor hose and the AIR CONNECTION. (See Figure 3).

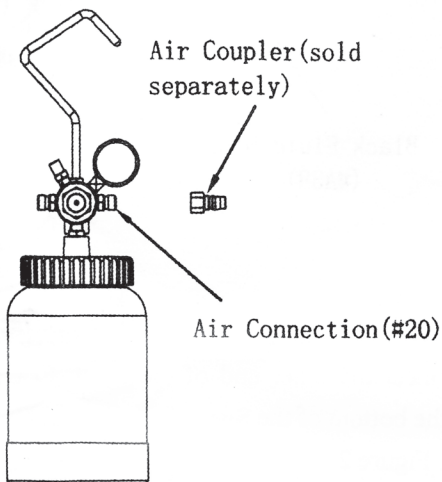


Figure3—Connecting the Handle

Step 8: Set the Air pressure at the compressor to approximately 45 P.S.I.

OPERATION

Setup

Step1. Unscrew and remove the Cover Assembly from the CUP (#A5) as shown in Figure 4.

Step2. Prepare the paint or coating per the manufacturer's instructions for air spray guns.

Step3. Fill the cup up to the 3/4-full mark shown in figure5.
DO NOT OVERFILL!

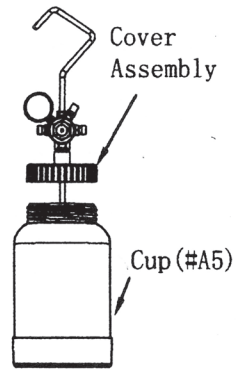


Figure 4—

Removing Cover Assembly

Step4. Lower and replace the Cover Assembly onto the CUP.

Step5. Set the compressor's pressure regulator to the lowest setting recommended by the paint or coating manufacturer.

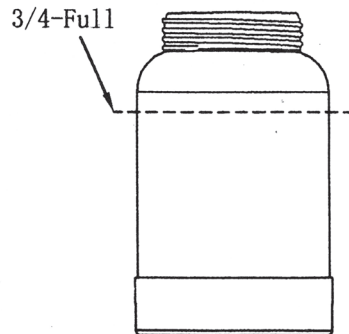


Figure 5—Filling the Cup

Step6. Connect the Regulator's ALR CONNECTION (#A20) to the air compressor's hose. If leaking is detected, disconnect the air hose and repair before use.

CAUTION:

When the CUP contains fluid, always keep the Air Paint Sprayer upright. This will keep paint from contaminating portions of the gun in which it is not intended to go.

SPRAYING TECHNIQUES

For most uses, e.g. painting walls, benches, vehicles, etc., the best results are obtained by spraying thin, even coats of paint. Let the layers dry in between coats.

As with any manual process, practice leads to perfection. The following are a few general rules that may be of help in perfecting your process:

- Use the lowest pressure setting recommended by the paint manufacturer.
- Keep the gun perpendicular to the ground.
- Maintain a distance of about 8" from the work as shown in Figure 6.
- Make smooth, thin and even strokes across the work.
- Overlap each stroke by about 50%. (See Figure 7)
- Let each coat dry before re-coating.

CAUTION:

Always keep the COVER (#A13) tight when connected to the air source

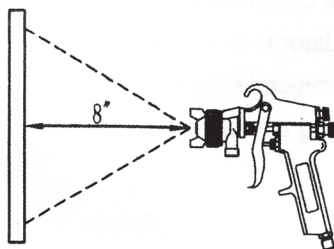


Figure 6—Distance from wall

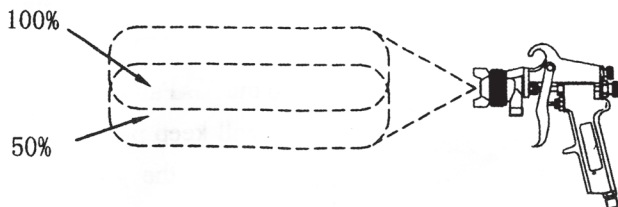


Figure 7—Overlapping strokes

MAINTENANCE

General Maintenance:

Checking & Replacing the Needle:

Needle wear is expected and inspection during Cleaning will ensure the continued top-performance of your Air Paint Sprayer. If needle tip wear is noted:

Step1. Unscrew and remove the Adjusting SCREW (#B34).

Step2. Using a pair of pliers or other suitable device, carefully pull and twist the NEEDLE(#B26) until it has been removed.

NOTE (Step 1):

Before unscrewing the adjusting SCREW, place a mark on the adjusting SCREW where the end of HOUSING (#B30) intersects it.

This will make re-adjusting the gun, after maintenance, easier.

Step3. Purchase an identical replacement NEEDLE from Harbor Freight Tools.

Step4. By hand, carefully insert the NEEDLE into the HOUSING (#B30) and push until the tip has exited the hole in the AIR NOZZLE (#B1).

Step5. Insert the NEEDLE and insert it into the HOUSING.

Step6. Replace the Adjusting SCREW and readjust its setting to the position it was in before removed (refer to Step 1).

Cleaning:

WARNING:

Always dispose of paints, coating and other chemicals in a proper and responsible fashion. If you have questions regarding the proper disposal of any chemical, contact the chemical manufacturer for instructions.

- Step 1: Depressurize the CUP (#A5) and disconnect the hose.
- Step 2: Remove the Cover Assembly from the CUP as described in OPERATION.
- Step 3: Empty the paint or coating from the CUP. Dispose of properly.
- Step 4: Pour a small amount of clean solvent (as specified by the paint manufacturer) in the CUP. See Safety Warnings and Cautions #5
- Step 5: Place the Cover Assembly into the CUP and tighten until the assembly is sealed.
- Step 6: Reconnect the air hose to the Regulator and pressurize the cup.
- Step 7: Clean the Air Paint Sprayer by shaking vigorously and spraying the solvent through the gun.
- Step 8: Repeat steps 1 through 7 until the sprayed solvent appears clean and clear.
- Step 9: After depressurizing disconnect the regulator from the air supply.
- Step 10: Remove the Cover Assembly from the Cup and dispose of the surplus solvent.
- Step 11: Wipe the Cup clean with a dry , lint-free cloth.

CAUTION:

For thorough cleaning, the CUP may be fully immersed in solvent. DO NOT LEAVE CUP IN SOLVENT FOR MORE THAN 24 HOURS as damage may occur. NEVER IMMERSE THE AIR PAINT SPRAYER IN SOLVENT. When cleaning, brush solvent onto exterior parts only.

Lubrication:

Before and after each use of the Air Paint Sprayer, perform the following lubrication process, using a non-silicon, spray gun lubricant:

- Step 1: Put two or three drops of lubricant on the NEEDLE (#B26), in front of the TIGGER (#B41). Tip the gun backward and allow the lubricant to drip into the front of the gun housing.
- Step 2: Put two or three drops of lubricant on the AIR VALVE (#B38). Tip the gun backward and allow the lubricant to drip into the front of the gun housing).
- Step 3: Put tow or three drops of lubricant on the FAN ADJUSTER (#B19). Tip the bun backward and allow the lubricant to drip into the front of the gun housing).
- Step 4: Put one drop of lubricant on the TRIGGER STUD (#B45) and another on the TRIGGER SCREW (#B44). Work the TIGGER to allow the lubricant to coat the parts.
- Step 5: Put one drop of the lubricant on the regulator ADJUSTING CAP (#A21). Tip it sideways and allow the lubricant to drip into the FRONT CAP (#A36).

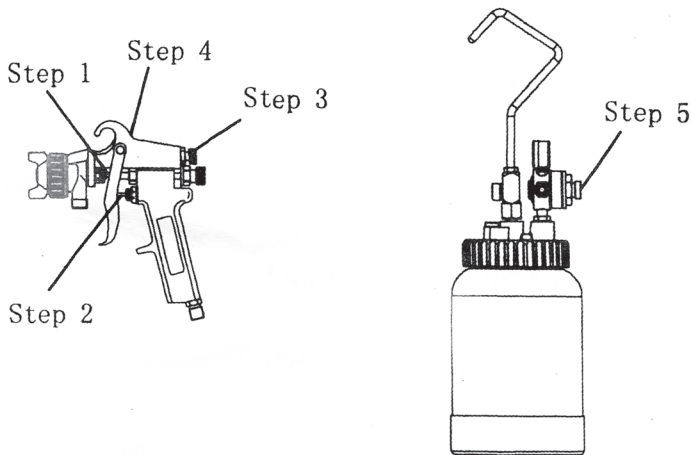


Figure 8 – Lubricating the Air Paint Sprayer

Preventative Maintenance

Periodically check the following:

Needle Wear:

Visually inspect the NEEDLE (#B26) tip for wear. NEEDLE wear will cause the paint pattern to be uneven. If NEEDLE wear is noted, replace the NEEDLE per GENENRAL MAINTENANCE. CHECKING AND REPLACING THE NEEDLE.

Cup Gasket Wear:

- Step 1: Remove the Cover Assembly from the CUP(#A5) as described in OPERATION.
- Step 2: Visually inspect the COVER (#A13) gasket for uneven depressions, scratches, cracks and general appearance. The gasket is not replaceable. If were is noted, replace the COVER in accordance with the following steps.
- Step 3: Remove the CENTERPOST (#A4) assembly. Retain the NUT for reassembly.
- Step 4: Remove the Regulator Assembly. Retain the nut for reassembly.
- Step 5: Remove and replace the COVER with an identical part.
- Step 6: Reassemble the CENTERPOST Assembly to the cover.
- Step 7: Reassemble the Regulator Assembly to the COVER.

Check & Clean Air Cap/Retainer Ring Holes:

- Step 1: Unscrew the RETAINER RING (#B2) and remove the AIR NOZZLE (#B1).
- Step 2: Verify the four holes around the NEEDLE (B26) hole are not blocked or restricted by paint and coatings. If necessary , Clean the holes by soaking the AIR NOZZLE in solvent and blowing clear with pressurized air.
- Step 3: Replace the AIR NOZZLE and tighten the RETAINER RING

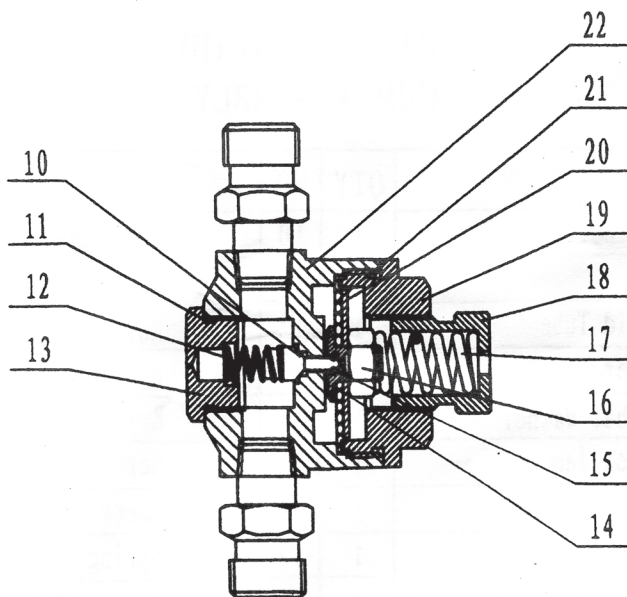
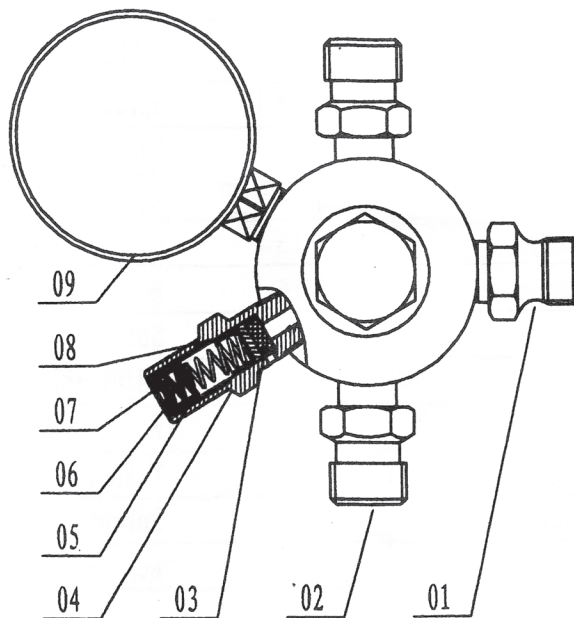
Part Breakdown A.
Regulator Assembly

NO	DESCRIPTION	QTY	NO	DESCRIPTION	QTY
01	Support	1	12	Spring	1
02	Air Connection	2	13	Rear Cap	1
03	Latex Mat	1	14	Bolt	1
04	Valve Body	1	15	O Ring	1
05	O Ring	1	16	Nut	1
06	Screw	1	17	Spring	1
07	Spring	1	18	Adjusting Cap	1
08	Spring Plug	1	19	Front Cap	1
09	Air Gauge	1	20	Washer	1
10	Adjusting Valve	1	21	Rubbet Washer	1
11	O Ring	1	22	Regulator Body	1

Part Breakdown B.
Cup Assembly

NO	DESCRIPTION	QTY	NO	DESCRIPTION	QTY
01	Pot Bottom	1	10	Centerpost	1
02	Cup	1	11	Fluid Outlet	1
03	Fluid Tube	1	12	Nut	1
04	Cover	1	13	Handle	1
05	Rubbet Washer	1	14	Regulator Assembly	1
06	Latex Jam	1	15	Screw	1
07	Spring	1	16	Check Valve	1
08	Relief Valve	1	17	Spring	1
09	Paint Inlet Plug	1	18	Washer	1

Part Breakdown A.



Part Breakdown B.

