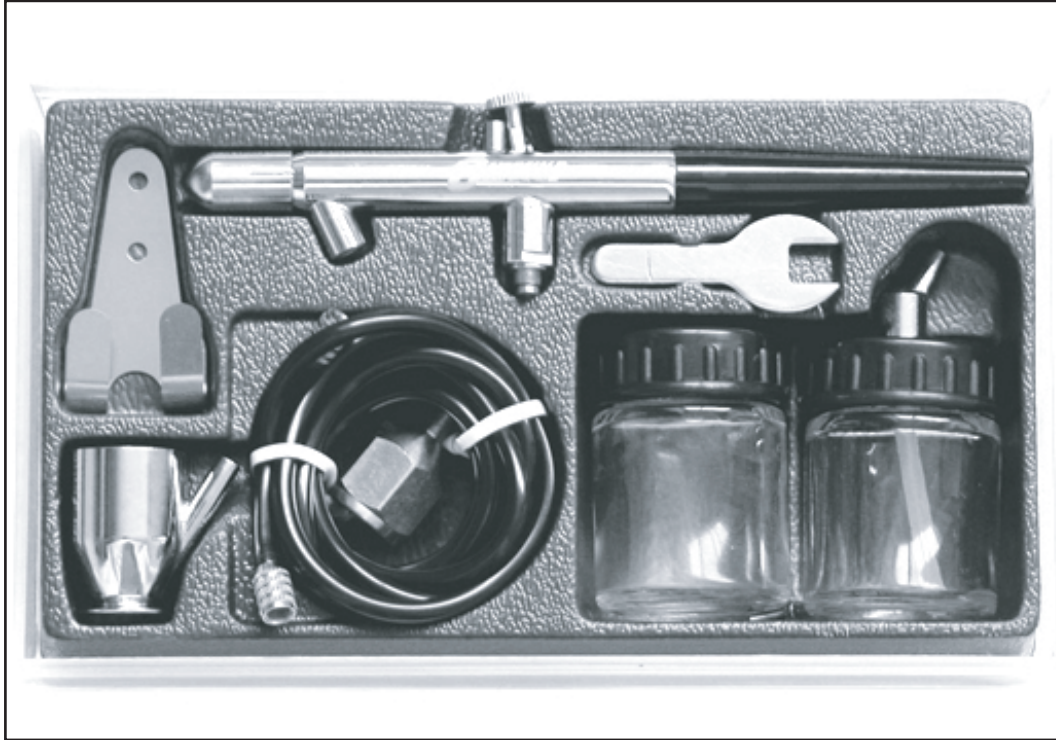




Assembly & Instruction Manual **ITEM 1114**



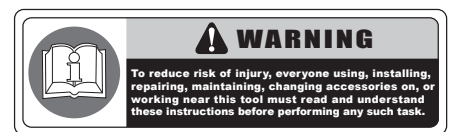
PROFESSIONAL AIR BRUSH KIT

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Your new PROFESSIONAL AIR BRUSH KIT has been engineered and manufactured to Cummins Industrial Tools high standards for dependability, ease of operation, and operator safety. Pay close attention to the Rules for Safe Operation, Warnings, and Cautions. If you use your machine properly and only for what it is intended, you will enjoy years of safe, reliable service.

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INTRODUCTION

- THIS PRODUCT has many features for making the use of this product more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

⚠ WARNING: Do not attempt to use this product until you thoroughly read and completely understand the operator's manual. Pay close attention to the safety rules, including Dangers, Warnings, and Cautions. If you use your product properly and only as intended, you will enjoy years of safe, reliable service.

- ⚠ **Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.**



⚠ WARNING: The operation of any tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.

GENERAL SAFETY RULES

▲ WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment. Read all instructions before using the tool!

- **Work area conditions.** Cluttered areas invite injuries.
- **Additional work area conditions.** Do not use machines or power tools in damp or wet locations. Do not expose to rain. Keep work area well lighted.
- **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
- **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- **Use eye protection.** Always wear ANSI approved impact safety glasses underneath a full face shield during use. Also, wear heavy duty work gloves.
- **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handles must be kept clean, dry, and free from oil and grease at all times.
- **Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before starting work.
- **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Any part that is damaged should be replaced.
- **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Cummins Industrial Tools.
- **Do not operate tools if under the influence of alcohol 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 operate the tool.

▲ WARNING: The warnings, cautions, and instructions discussed in this instruction manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which can not be built into this product, but must be supplied by the operator.

PRODUCT DESCRIPTION

- This professional Air Brush Kit can be operated with a CO2 tank, aerosol propellant can, or the smallest of air compressors. The Air Brush will spray the majority of paints used by artists, modelers, and craftsmen.

Specifications

- **Required Pressure** 15-50 PSI
(Recommended PSI:25)
- **Cup Size** 0.25 Oz (7 cc) Color Cup (19)
1 Oz (30 cc) Air Brush Jar (24)
2 Oz (60 cc) Mixing Jar (28)
- **Air Inlet Size** M5-.45 mm (Male)
- **Air Hose Length** 74"
- **Needle Size** 0.35 mm (Factory Installed)
0.25 mm (Extra)
- **Adapter Size** M5-.45 mm (Male) to 1/4" (Female) NPT
- **Weight** 0.9 Lb

Unpacking

- When unpacking, make sure all parts shown in the Parts List are included. If any part is missing or broken, please call Cummins Industrial Tools at the number shown on the cover of this manual as soon as possible.

OPERATING INSTRUCTIONS

NOTE: For additional information on the parts listed on the following pages, refer to the Assembly Diagram.

Mixing And Thinning Paints:

- Typically, new paint is thick and must be diluted before attempting to spray the paint with Air Brush. The following rules apply when mixing and diluting paint:
- 1- If mixing colors, only mix together the same type of paints. (i.e., lacquer with lacquer, acrylic with acrylic).
 - 2- Enamel and lacquer paints should be diluted with thinner. Consult the paint manufacturer's recommendations for proper dilution ratio for air brushing.
 - 3- Before spraying, make sure that the diluted paint is thoroughly mixed.
Mix thoroughly the paint in a clean jar. If necessary, strain the paint of any debris before filling the Air Brush.

Attaching The Air Hose And Glass Jar:

NOTE: The use of an in-line pressure regulator gauge (not included) is recommended with the Air Brush Kit. DO NOT EXCEED 50 PSI.

- 1- Fill the Air Brush Jar (24) with paint no more than 2/3 full. Then, carefully screw the jar on the Jar Lid. (See Figure A)

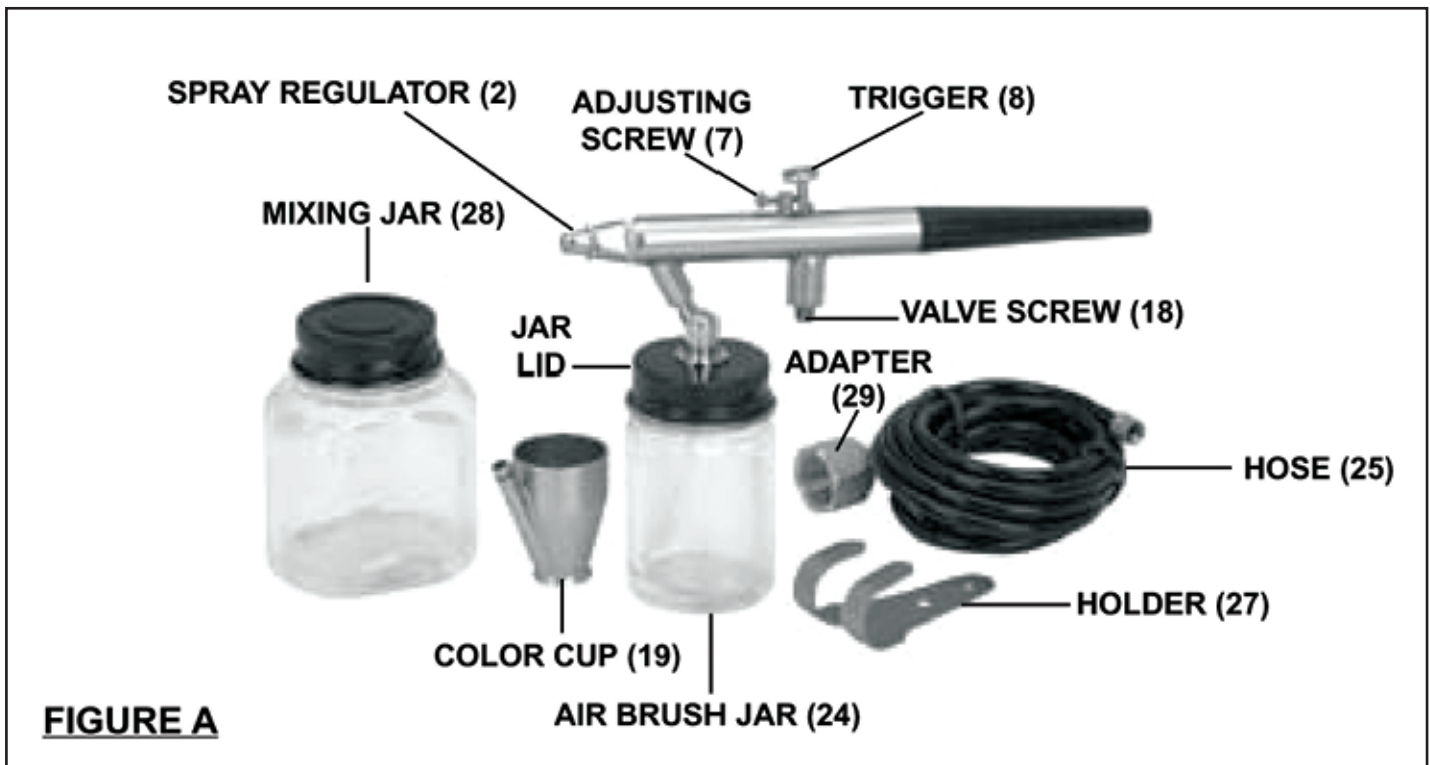


FIGURE A

OPERATING INSTRUCTIONS

- 2- Attach the Hose (25) to the CO2 tank, aerosol propellant can, or compressor. If necessary, attach the 1/4" Adapter (29) to the connector of the CO2 tank, aerosol propellant can, and compressor. Then, attach the other end of the Hose to the Valve and accessories, it is recommended to install a pressure gauge and water filter in series with the Hose and aerosol propellant can, or compressor. (See Figure A)
- 3- Set the air pressure between 15 and 50 PSI. The normal operating pressure is 25 PSI. If possible, refer to both the paint manufactures instruction manual to determine the proper level of air pressure required for each specific air brush job that is to be performed.
- 4- Open the CO2 tank valve, aerosol propellant can valve, or turn on the compressor. Check for leaks. If leaks are found, close the output valves, or turn off the compressor, and reseal all connections.

To Adjust The Paint Flow:

- 1- If using an air compressor with an in-line pressure gauge, turn on the compressor and adjust the air output pressure from 15 to 50 PSI. Normal operating pressure is 25 PSI.
- 2- If using a CO2 tank or an aerosol propellant can with a built-in air regulator valve, open the air regulator valve (counterclockwise). The air regulator valve can be adjusted from 15 to 50 PSI. Since there is no pressure gauge, you will have to test the Air Brush until the desired pressure is reached.
- 3- Remove the Protective Cap (1) on the Air Brush.
- 4- On the Air Brush, gently pull the Trigger (8) back to start spraying paint. Pull the Trigger (8) back more to increase paint flow, less to decrease paint flow. You can also adjust the flow using the Adjusting Screw (7), tighten it to increase flow, loosen it to decrease or shut off flow. (See Figure A)

OPERATING INSTRUCTIONS

Spray Painting:

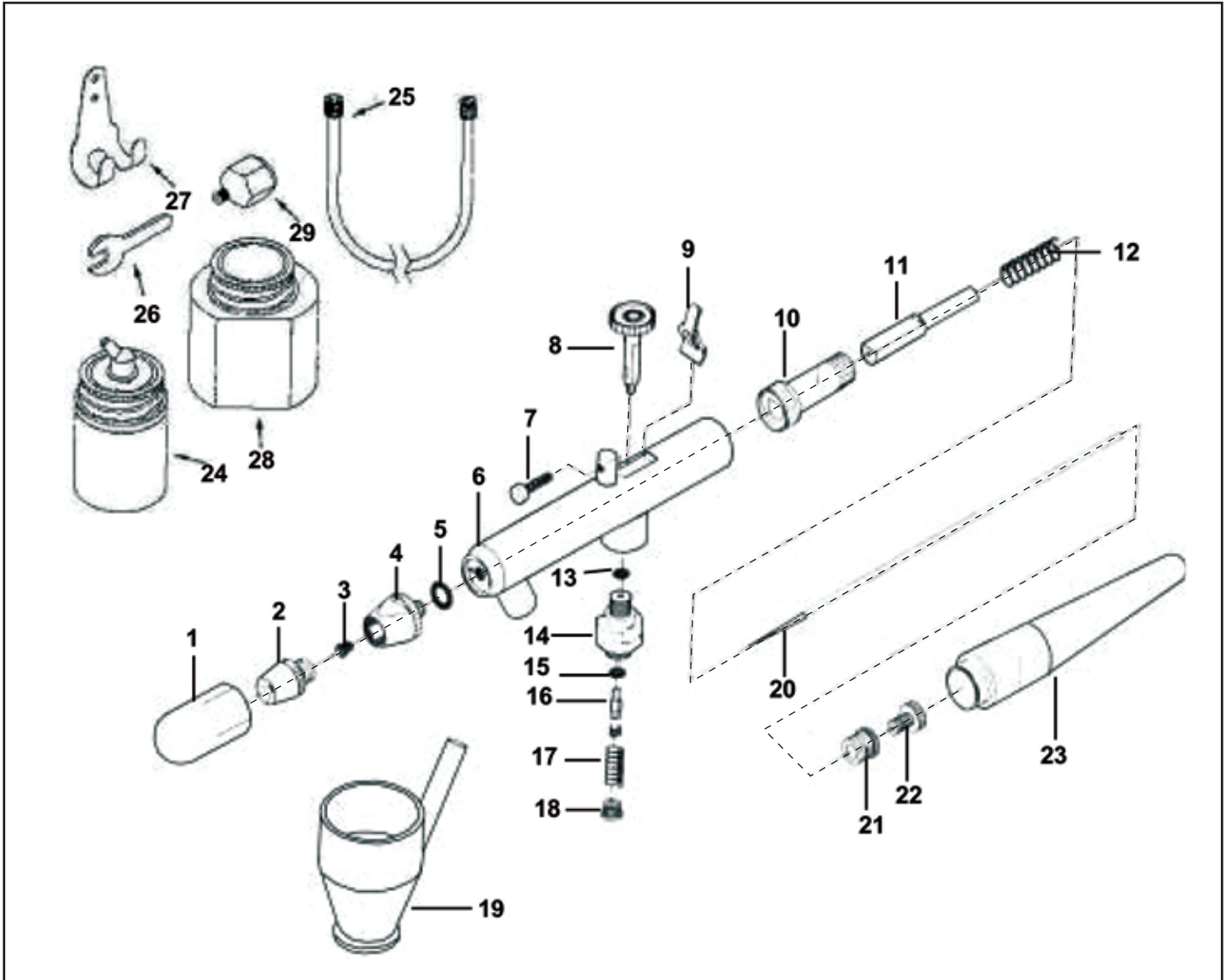
- 1- In a well ventilated area, pull the Trigger (8) and test spray on a scrap of material. Hold the Air Brush about six inches from the test piece. If necessary, make spray and air pressure adjustments.
- 2- Make sure to spray even strokes to avoid running.
- 3- NOTE: Enamels and lacquer paints dry quickly. Do not leave the Air Brush off for more than a few seconds or the paint may dry (and clog) in the Air Brush.
- 4- Have the 2 Ounce Mixing Jar (28) filled with thinner or water, depending on the type of paint being sprayed.
- 5- When you are finished spraying, immediately remove the Air Brush Jar (24) from the Air Brush and thoroughly clean the Jar. Then attach the 2 Ounce Mixing Jar (28). Continuously spray (on white paper) until all residue paint is sprayed out of the Air Brush. When finished, remove mixing jar and put back on the clean Air Brush jar.
- 6- If using a C02 tank or an aerosol propel lent can, turn off the output valve (clockwise). If using a compressor, turn off the compressor. Allow all compressed C02, aerosol, or compresses air to be released form the Air Brush system.
- 7- Disconnect the Hose (25) from the C02 tank, aerosol propellant can, or compressor. Disconnect the Hose from the Air Brush as well.
- 8- Remove the 2 Ounce Mixing Jar (28) from the Air Brush, and thoroughly clean the 2 Ounce Mixing Jar.

INSPECTION, MAINTENANCE, AND CLEANING

- 1- Before each use, inspect the general condition of the Air Brush Kit. Check for loose connections, cracked, or broken parts, excessively worn hose, and any other condition that may affect the safe and proper operation of the Air Brush Kit. If a problem occurs, have the problem corrected before further use.
Do not use damaged equipment.
- 2- After using the Air Brush, always spray thinner or water (depending upon the type of paint used) through the Air Brush until it is completely clean. Make sure the Air Brush Jar and 2 Ounce Mixing Jar are thoroughly cleaned.
- 3- If the Air Brush becomes clogged, remove the Handle (23), Needle Stop Screw (22), Spring Stop (21), and Needle (20) and thoroughly clean. Then, replace the parts. Also remove the Air Cap (2) and Tip (3). Use the Head Wrench (26) to remove the Head & Tip (4) and thoroughly clean. Then, replace the parts.

EXPLODED DIAGRAM & PARTS LIST

Exploded Diagram



EXPLODED DIAGRAM & PARTS LIST

Parts List

NO	Description
1	Protective Cap
2	Air Cap
3	Tip
4	Head & Tip
5	O-Ring
6	Shell
7	Adjusting Screw
8	Trigger
9	Back Lever
10	Tube Shank
11	Needle Tube
12	Needle Tube Spring
13	O-Ring
14	Valve Casing
15	Plunger O-Ring
16	Plunger
17	Plunger Spring
18	Valve Screw
19	Color Cup
20	Needle (x2)
21	Spring Stop
22	Needle Stop Screw
23	Handle
24	Air Brush Jar
25	Hose
26	Head Wrench
27	Holder
28	2 Ounce Mixing Jar
29	1/4" Adapter

NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.