

**CENTRAL PNEUMATIC®**

# **HOBBY AIR BRUSH KIT**

## **Model 47791**

### **ASSEMBLY AND OPERATING INSTRUCTIONS**



Diagrams within this manual may not be drawn proportionally.

Due to continuing improvements, actual product may differ slightly from the product described herein.

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**Read this material before using this product. Failure to do so can result in serious injury.**

**SAVE THIS MANUAL.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

# Specifications

ITEM	DESCRIPTION
Spray Pattern	Adjustable: 1/4 to 2 inches
Air Brush Body	Finger valve and adjustable spray
Nozzle Tip	Fine, 0.03" (0.75 mm)
Hose Length	5 feet
Glass Jars	1-1/2 and 3/4 ounce with lids
Air Pump Adapters	1/4 inch, 18 NPT; one has air adjustment flow control

## Save This Manual

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

## Safety Warnings and Precautions

**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 this tool!**

1. **Keep work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Don't expose to rain. Keep work area well lighted. Do not use the air compressor in the presence of flammable gases or liquids. Do not smoke while spray painting.
3. **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
4. **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.
5. **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.
6. **Maintain tools with care.** Keep air brush clean for better and safer performance. Follow instructions for lubricating and changing accessories.

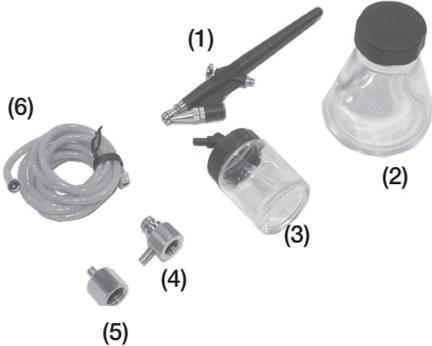
7. **Do not overreach.** Keep proper footing and balance at all times.
8. **Use eye and nose protection.** Always wear ANSI approved impact safety goggles. While spraying, and working around chemical dusts and mists, wear an ANSI approved dust mask or respirator.
9. **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
10. **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. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician.
11. **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 Harbor Freight Tools.
12. **Do not operate tool 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.
13. **Maintenance.** For your safety, service and maintenance should be performed regularly by a qualified technician.
14. **The Hobby Air Brush Kit** is only to be used for spraying paint. Never spray gasoline, kerosene or any flammable solvent.

**Warning:** If paint is swallowed or inhaled, immediately contact a physician for medical attention.

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

## Unpacking

When unpacking, check to make sure the following parts are included.



Item #	Description
1	Air Brush Body
2	Glass Jar, 1-1/2 oz.
3	Glass Jar, 3/4 oz.
4	Adapter, 1/4", 18 NPT, w/ air control
5	Adapter, 1/4" NPT
6	Hose, Air, 5 feet

If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual. Parts List shown above.

## Operation

### Mixing and Thinning Paints

Generally, paints come thick and have to be diluted before attempting to spray them with an air brush. Follow these rules for mixing and diluting paints.

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 one part thinner to one part paint. Read the paint manufacturer's recommendation for air brushing.
3. Before spraying, make sure that the diluted paint is thoroughly mixed.
4. Mix paint in a clean jar. If necessary, strain paint of any debris before filling the air brush jar.

### Attach Air Hose and Glass Jar

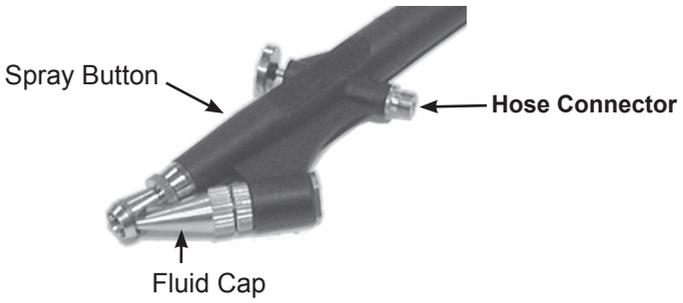
1. Fill the air brush jar with paint to no more than 2/3 full.
2. Carefully screw on the jar lid.



3. Screw on one end of the Hose (6) to the air brush, and the other end to the propellant can using Adapter (4). The Adapter air regulator valve was designed for use with a propellant can.
4. Optionally, attach the other Adapter (5) to the air compressor output connector (1/4 inch, 18 NPT), and connect the Hose (6) to the Adapter.
5. Open the propellant can valve, or turn the air compressor on, and check for leaks. If leaks are found, close the output valves, turn off the compressor, and re-seat all connections.

### Adjusting Paint Flow

1. If using an air compressor, turn the compressor on and adjust the output pressure to between 15 and 50 PSI. Normal operating pressure is 30 PSI.
2. If using a propellant can, open the Adapter air regulator valve (counterclockwise) on top of the can. It can be adjusted to between 15 and 50 PSI. Since there is no pressure gauge, you will have to test the air brush until the desired pressure is reached.
3. On the Air Brush, turn the Fluid Cap to adjust paint flow (maximum flow -- full counterclockwise; minimum flow -- full clockwise). See photos on page 4.



### Spray Painting

1. In a well ventilated area, press the Spray Button and test spray on a scrap of material. Hold the Air Brush about six inches from the canvas. Make spray and air pressure adjustments, if necessary.
2. Practice spraying even strokes to avoid drips.

**Note:** Since enamels and lacquer paints dry quickly, do not leave the Air Brush for more than a few seconds or the paint may dry (and clog) in the Air Brush.

3. When you are finished spraying, immediately put a small amount of paint thinner into the jar. Attach the airbrush to the jar, then spray a small amount through the airbrush.

4. Remove the paint jar from the Air Brush. Continuously Spray (on white paper) until all residue thinner is sprayed out of the Air Brush. Pour out any remaining thinner that may be in the jar.

### **Cleaning**

1. Remove excess paint from the Glass Jar and clean thoroughly.
2. Spray thinner or water (depending on the paint type) through the Air Brush until entirely clean. Stop up the Fluid Cap with a soft cloth and force air and solution back and forth through the needle, cap and tip.
3. If the Air Brush becomes clogged, remove the needle, cap, and tip, and clean thoroughly.

Hold the Fluid Cap and locknut using your thumb and index finger. Place a wrench on a flat surface of the fluid needle and turn counterclockwise. The fluid needle can now be removed and cleaned. Be careful not to bend the needle or it will have to be replaced.

#### **PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

## 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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