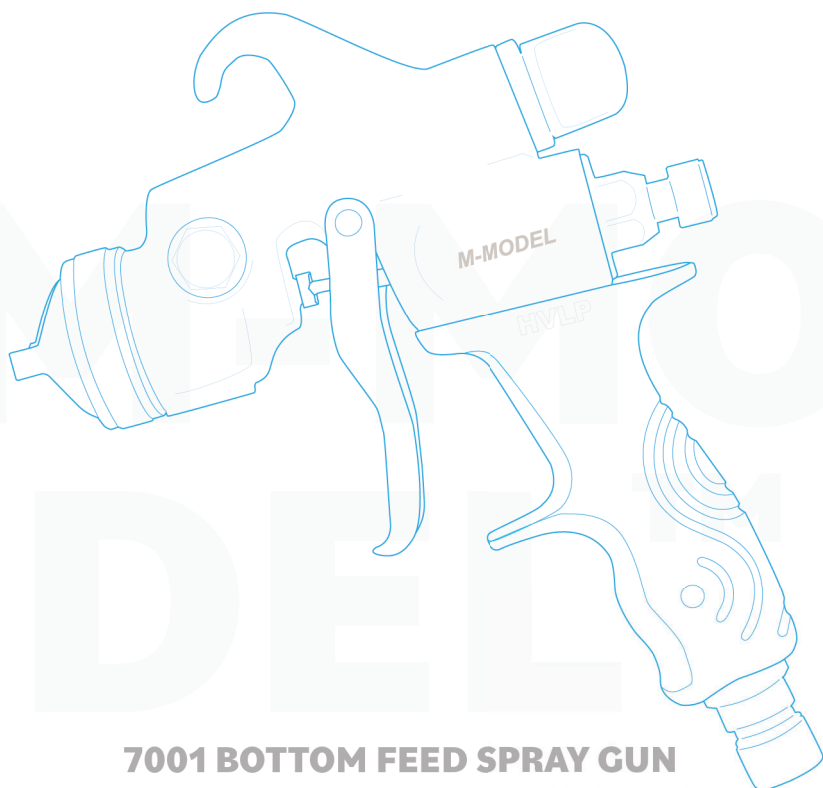


USER MANUAL



7001 BOTTOM FEED SPRAY GUN
7002G GRAVITY FEED SPRAY GUN
7003 BOTTOM FEED SPRAY GUN

THE PERFECT FINISH STARTS WITH

FUJISPRAY®
SYSTEMS



7001 BOTTOM FEED SPRAY GUN

7002G GRAVITY FEED SPRAY GUN

7003 BOTTOM FEED SPRAY GUN

This user manual contains important instructions and information about this product.

Please read and save for future use.

REGISTER YOUR PRODUCT AT

fujispray.com/product-registration

CONTENTS

Getting Started	5 - 6
Spray Pattern	6
Spraying Technique	7
Aircap Selection	8
Viscosity Guide	9
Latex Paint	10
General Cleaning	11
Finish Problems	12
Filter Replacement	12
Spray Gun Problems	13 - 15
Cleaning Fluid Passages	16
Turbine Care and Maintenance	17
Parts Diagrams	18 -21
Spray Gun Holder	22
Service Information	23
Warranty Information	24

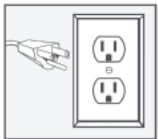
GETTING STARTED

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE USING THE EQUIPMENT:



GROUNDING

This appliance must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.



This appliance is for use on a nominal 120-volt circuit and has grounding attachment plug that looks like the plug illustrated. Make sure that the appliance is connected to an outlet having the same configuration as the plug.

PLEASE NOTE: For UK, Australia, Asia etc. your voltage will be 220-240v. Check the label on the base of the turbine to ensure your unit is at the correct voltage for your location.



ELECTRIC SHOCK HAZARD

Improper connection of the equipment grounding conductor can result in the risk of electric shock.

- Check with a qualified electrician or service-person if you are in doubt as to whether the outlet is properly grounded.
- Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that accepts the plug on the product.
- An undersized cord results in a drop in line voltage and loss of power and overheating.
- Do not modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- To reduce the risk of electric shock or injury, do not expose to rain.
- Never allow unit to freeze.
- Always store the unit inside in a dry location. Store on the floor if in a basement setting.
- The operator must wear shoes and the floor must not be wet.



TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

- Always wear appropriate gloves and eye protection.
- Always wear a mask. Read all instructions of the respirator or mask to ensure that it will provide the necessary protection against the inhalation of harmful vapors. Please also check with the local jurisdiction.
- Tanning Solution and other materials may be harmful if inhaled.



FIRE AND EXPLOSION HAZARD

Turbine must not be used in an area contaminated by volatile or flammable materials since sparking can be expected in the normal operation of the motor. This could ignite the contaminants causing a dangerous explosion.

- Do not spray flammable or combustible materials near an open flame or sources of ignition such as cigarettes, motors, and electrical equipment.
- Keep spray area well-ventilated. Keep a good supply of fresh air moving through the area. Keep turbine in a well-ventilated area. Do not spray turbine.
- Do not smoke in the spray area.
- Do not operate light switches, engines, or similar spark producing products in the spray area.
- Keep area clean and free of flammable materials.
- Fire extinguisher equipment shall be present and working.
- Turn off and disconnect power cord before servicing equipment.
- Ensure ground prongs are intact on sprayer and extension cords.
- Never use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents in equipment with aluminum wetted parts. Such use could result in a serious chemical reaction, with the possibility of explosion. Consult your fluid suppliers to ensure that the fluids being used are compatible with aluminum parts.

EQUIPMENT MISUSE HAZARD

Misuse of equipment can cause serious injury or death.

- Never aim the spray gun at another person or animal. In the event of injury, seek expert medical advice immediately.
- Do not operate or spray near children. Keep children away from equipment at all times.
- Do not overreach or stand on an unstable support. Keep effective footing and balance at all times.
- Stay alert and watch what you are doing.
- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not kink or over-bend the hose.
- Do not use the hose as a strength member to pull or lift the equipment.
- Do not cover turbine case as this will restrict air to the intake and result to overheating and premature failure of the motor.
- Do not carry turbine while spraying.
- Check the hose, hose connectors and power cord daily. Any worn or damaged parts should be replaced immediately.
- Use only genuine Fuji Spray® replacement parts.
- It is normal for the turbine air outlet (manifold) to become hot during use, please allow your Fuji Spray® turbine to cool for a few minutes before removing the hose from the turbine manifold.

CA PROP
65

PROP 65 WARNING FOR CALIFORNIA RESIDENTS

WARNING: This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

The information in this User Manual focuses on the entire spray system. For Turbine related content, [see pages 14-15](#).

To clean out any impurities that may have accumulated during assembly or shipping, it is recommended spraying a small quantity of clean paint thinner through the spray gun, or water if you will be spraying waterborne paints. Before tackling any serious spraying, it is also recommended experimenting with the spray gun on a scrap piece of material (i.e. paper, cardboard, wood, etc.) to become familiar with all the controls.

HOSE CONNECTION

Connect the hex nut at the end of the hose (female connector) to the turbine air outlet. **Tighten this nut lightly. Overturning could cause the internal manifold to rotate and break the internal seal to the motor.** A Male Quick Connect Coupler (#2046M) is available as an accessory for the connection to the turbine.

To connect air hose to the spray gun, pull back on the black rubber dimples around the brass Quick Connect Coupler (#2046) and slide into the Hose Connector (#2311) at the base of the handle of the spray gun. A “clicking” sound will indicate it is securely attached.

6ft Whip Hose (blue #2049F or black #2268) - The Fuji Spray Whip Hose accessory (not included with the Semi-PRO 2 / Hobby-PRO 2 spray systems) is a 6ft extension hose that is to be installed at the end of the existing 25ft air hose included with your system. It is very flexible and lightweight, allowing optimal maneuverability of the spray gun, and reduced fatigue of the arm and wrist when spraying for extended periods of time.

To install the 6ft Whip Hose:

- Remove Air Control Valve (#2032) and Quick Connect Coupler (#2046) from the end of the 25ft Air Hose
- Connect the 6ft Whip Hose (#2049F) to the end of the 25ft Air Hose. The other end of the 25ft Air Hose must be connected to the Turbine.
- Attach Air Control Valve (#2032) and Quick Connect Coupler (#2046) to the other end of the 6ft Whip Hose (#2049F)

WARNING: Do not connect the Whip Hose directly to the turbine.

AIR CONTROL VALVE

The Air Control Valve (#2032) is located on the air hose next to the brass Quick Connect (#2046). It provides a means of controlling the air flow to the spray gun. It offers control when in need of reducing bounce-back and overspray. It is important to understand that the Air Control Valve (#2032) should be the last adjustment made when dialing in the settings on the spray gun. Users should consider the following adjustments before changing the setting on the Air Control Valve:

1. Dilute the paint (if applicable)
2. Adjust the shape and size of the spray pattern
3. Adjust the flow of paint through the gun

After performing these operations, you should spray a few passes onto a scrap piece of plywood, cardboard or test piece. This will allow you to determine if the paint levels nicely. Once the spray gun is producing a perfect finish with full air, experiment with turning the air down until bounce-back is reduced to a minimum. However, if the result is orange peel, turn the air up a slight amount.

PLASTIC DIAPHRAGM (BOTTOM FEED SPRAY GUN)

The 1 Qt. Pressurized Cup (#2095) has a plastic Diaphragm (#2096) (not found in the Gravity Spray Gun). This Diaphragm prevents paint from entering the Pressure Tube (#2024).

The small air hole in the Diaphragm should not be placed directly below the air hole in the Nipple (#2304). Position the Diaphragm hole to the rear of the Cup Assembly (#2095). The spray gun can be turned to different angles when spraying but never turned more than horizontal.

SPRAYING SAFELY WITH YOUR HVLP TURBINE

HVLP spraying is more friendly to the environment than most methods of spraying. It greatly reduces the amount of unnecessary misting and fogging (overspray) associated with high-pressure spraying.

Spraying with nitrocellulose lacquer can be hazardous. The lacquer, fumes and overspray are toxic, flammable and explosive. If spraying must be done inside an enclosed area, ventilate well. Spray close to an open window or door and situate a fan to draw out the fumes (an explosion-proof motor and explosion-proof lighting will be necessary).

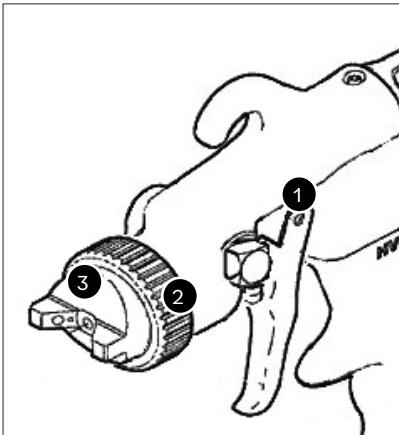
Please check with your local jurisdiction on this matter.

UNDERSTANDING YOUR SPRAY GUN

FAN PATTERN CONTROL

The Fan Pattern Control Knob is located at the top-rear of the spray gun. The widest pattern will work best when spraying large surfaces like table tops or cabinet doors, for example.

The narrow pattern size is the best setting for spraying, small surfaces such as spindles, tight corners and small details.



① FAN PATTERN CONTROL KNOB

② COLLAR
(#2301)

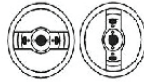
③ AIR CAP
(#2302)



A



B



C

A

Turn Fan Pattern Control Knob counter-clockwise. Loosen the Collar (#2301). Turn the Air Cap (#2302) to a horizontal position then re-tighten the Collar to lock it into place. This setting produces a vertical spray pattern. This pattern is used more than any other by experienced spray painters.

B

Turn Fan Pattern Control Knob counter-clockwise. Loosen the Collar (#2301). Turn the Air Cap (#2302) to a vertical position then re-tighten the Collar to lock it into place. This setting produces a horizontal spray pattern. To lock in position, tighten Collar. A horizontal fan pattern is most useful for painting vertically such as a doorframe.

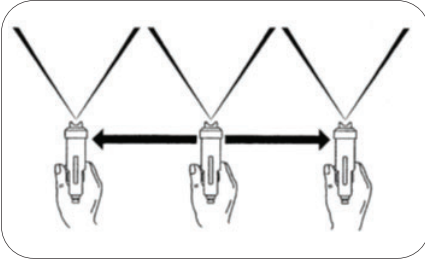
C

To produce a smaller fan pattern, turn Pattern Control Knob clockwise. Then go into adjusting fluid output in tandem.

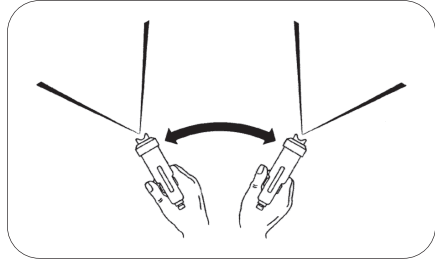
FLUID CONTROL

To set the fluid output, turn the Fluid Control Knob (#2307 - located at the back of the spray gun) clockwise to reach the “closed position,” do not force beyond this point. Turn counter-clockwise for more material and clockwise for less. Once you set the fluid to your liking, leave it in this position - unless of course, you change the size of the fan pattern. For the smallest pattern (less than 1”), the spray gun must be moved closer to the workpiece - Ensure to reduce the amount of material flow at the Fluid Control Knob (#2307). When initially setting the material flow, it is best to measure fluid setting in rotations from a “closed position.”

SPRAYING TECHNIQUE



CORRECT METHOD



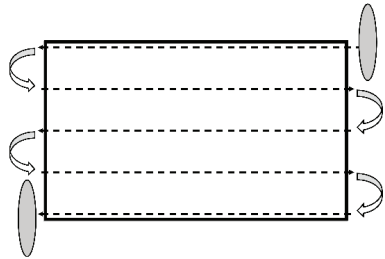
INCORRECT METHOD

The spray gun should always be held perpendicular to the surface.

For best results, hold the spray gun no more than 8" (20cm) away from the surface to be sprayed.

Horizontal direction of a pass using a vertical pattern starting at top-left corner of the piece.

Start off the piece. Pull the trigger and move the spray gun in the direction you want to spray. Continue off the edge of the piece on the other end before releasing the trigger. Between each pass, overlap by at least half.



The non-bleed Fuji Spray M-Model spray gun offers a two-stage trigger pull. Slightly engage the trigger and atomizing air exits through the Air Cap (#2302).

When the trigger is fully engaged, the Needle (#2306) then retracts for material flow through the Fluid Nozzle (#2305).

DE-PRESSURIZING THE CUP

It is important to de-pressurize the material cup prior to opening the lid right after use. Doing this will prevent a small pressure pop that disperses material droplets. De-pressurize the cup by disconnecting the clear pressure tube on the lid of the cup from the check valve. This will make a short hissing sound.

MEASURING VISCOSITY

A Viscosity Cup (#4 Ford Standard) is included in your Fuji system.

To test the viscosity of the coating, and determine which air cap set is best to use, it is best to gain a sense of the viscosity of the material; Use the viscosity cup to measure viscosity as follows:

1. Submerge the entire #4 Ford cup in the material.
2. Lift the cup out of the material and begin timing.
3. Stop timing when the steady material stream is first broken.

The time that it takes for the material to flow through the viscosity cup is an indication of viscosity. Low viscosity materials will flow through in as few as 5 seconds and very viscous materials can take many minutes.

Once the viscosity has been determined, use the Quick Reference Guide on **Pg.10** to determine which air cap set will atomize the material best.

It is recommended experimenting to find the ideal viscosity for each application and record the information for future use.

The solvent used for thinning is usually the solvent mentioned on the can (instructions for 'cleaning the brushes'). However, please check with the coating manufacturer for thinning recommendations. The aim is to thin as little as possible.

AIR CAP SET SELECTION

Five additional size setups are available as accessories. The 1.3mm is standard with all Fuji Spray M-Model spray guns.

- 1.0mm or 1.3mm can be used for any type of fine-finishing application.
- The larger sizes such as 1.5mm can be used for most medium viscosity (8 - 37 seconds) coatings.
- 1.8mm is desirable for most high viscosity (37 - 50 seconds) latex and other paints.
- Higher viscosity (50 seconds and above) paints will need the 2.0mm or 2.5mm.

AIR CAP SET RANGE WITH PART NUMBERS:

Part #	7020-1	7020-2	7020-3	7020-4	7020-5	7020-6
Size	0.8mm	1.0mm	1.3mm	1.5mm	1.8mm	2.0mm

The chart below illustrates how many seconds it should take for the material to flow out of the viscosity cup. **This is only an approximate guide.**

AIR CAP SET SELECTION GUIDE/VISCOSITY GUIDE			
Coating Type	Air Cap Set Size	Fuji Spray Cup Viscosity Measured in Secs	Output
Dye	0.8mm	8 or less	Fine
Shellac	0.8mm	8 or less	Fine
	1.0mm	8 - 17	
Sander/Sealer	1.0mm	8 - 17	Fine to Medium
	1.3mm	17 - 25	
Varnish	1.0mm	8 - 17	Fine to Medium
	1.3mm	17 - 25	
Clear Lacquer	1.0mm	8 - 17	Fine to Medium
	1.3mm	17 - 25	
Polyurethane	1.3mm	17 - 25	Medium to High
	1.5mm	25 - 37	
Pigmented Lacquer	1.5mm	25 - 37	High
	1.8mm	37 - 50	
Oil-Based Primer	1.5mm	25 - 37	High
	1.8mm	37 - 50	
Oil-Based Paint Milk Paint	1.5mm	25 - 37	High
	1.8mm	37 - 50	
Waterborne Primer	1.8mm	37 - 50	Extra High
	2.0mm	50 - 80	
Waterborne Paint	1.8mm	37 - 50	Extra High
	2.0mm	50 - 80	

GENERAL CLEANING

It is very important to properly clean your spray gun after each use. This will prevent any build-up and/or contamination when spraying other materials. Keeping the spray gun clean will also prevent spray problems due to blockage.

LEVEL 1

CLEANING FLUID PASSAGES

1. Remove lid of the cup and pour left over material into a container
2. Wipe the inside of the cup with a solvent-soaked cloth
3. Add the appropriate solvent into the cup, reattach lid to the cup and spray
4. Pull the trigger repeatedly to properly flush the fluid passages, needle and nozzle

NOTE: If using waterborne paints and finishes, use water to clean your spray gun.

If this type of quick cleaning is performed frequently, the spray gun will function well for many years. More than 50% of problems with a spray gun stem from clogs in fluid passages and perhaps more importantly, the pressure tube or air passages. Please see [Page 21](#) - Little to no paint.

For best cleaning results, use the Fuji Spray Cleaning Kit (#3100).

If this type of cleaning is done while the paint is still wet in the spray gun, it should be all that is necessary to keep the spray gun clean enough for the next use. Do not leave coatings in the cup overnight or for long periods.

LEVEL 2

THOROUGH CLEANING

After performing Level 1 cleaning and removing the cup from the Spray Gun:

1. Remove Fluid Control Knob (#2307) and Needle Spring (#2309).
2. Pull the Trigger (#2315) and the Needle (#2306) will extend from the rear of the gun.
3. Carefully slide the Needle (#2306) out - do not bend.
4. Remove the Collar (#2301) and Air Cap (#2302).
5. Using the supplied Wrench, remove the Fluid Nozzle (#2305).
6. Remove Air Diffuser (#2303), and Air Divider (#2320), then inspect for material residue.
7. Use the supplied cleaning brush and appropriate solvent to clean behind the Fluid Nozzle (#2305).
8. Soak the Collar (#2301), Air Cap (#2302), Fluid Nozzle (#2305) and Needle (#2306) in appropriate solvent, and clean. It is not necessary to soak or clean Air Diffuser (#2303) unless there are traces of material on it. The Air Divider (#2320) may also be cleaned if there are traces of material on it, but not soaked in solvent as it is a plastic part.

IF USING WIRE BRUSH OR ANYTHING METAL TO CLEAN THE GUN, BE CAUTIOUS AS TO NOT SCRATCH OR DAMAGE SPRAY GUN PARTS.

DO NOT disassemble the Bottom Feed Cup Assembly - Threads in the cup have been sealed at the factory to prevent leakage under pressure.

CAUTION: Never soak the complete spray gun in solvent as this removes the grease from the parts and distributes thinned paints throughout the air passages. It could also damage internal parts such as the Spindle Valve or other seals. It is best to soak the Air Cap, Nozzle, Needle and Air Diffuser. You may soak only the metal parts in solvent.

Upon reassembly, it is best to lubricate all moving and threaded parts.

CLEANING BEHIND THE FLUID NOZZLE

1. Remove the Collar (#2301) and Air Cap (#2302).
2. To remove the Needle (#2306), remove the Fluid Control Knob (#2307), Spring (#2309) from the rear of the gun. The Needle can then be soaked and later wiped clean.
3. Using the supplied Wrench, remove the Fluid Nozzle (#2305).
4. Once the Fluid Nozzle is removed, please be careful that the Air Diffuser (#2303) does not fall out of the spray gun.
5. Use the Cleaning Brush and appropriate solvent to clean behind the Fluid Nozzle.
6. The Air Cap, Fluid Nozzle, Needle, Air Diffuser and Air Divider may be soaked in solvent.

CLEANING THE FAN PATTERN CONTROL ASSEMBLY

If the Fan Pattern Control Knob becomes sluggish to turn, it may be due to dried material within the pattern control chamber and will need to be cleaned thoroughly.

1. Begin removing the Fan Pattern Control Assembly (#2308A-Blue or 2338A-Black), by unscrewing the Allen Screw (#2323) at the top-rear of the gun using an Allen key.
2. Pull out the entire Fan Pattern Control from the gun. A small flathead screwdriver may be required to gently pry the Fan Pattern Control Assembly out.
3. Once the Fan Pattern Control Assembly is removed, clean the inner portion that stays inside the Spray Gun, ensure that the inner walls of the pattern control chamber are clean of any dried material or build up. It is recommended that the inner portions of the knob are properly lubricated prior to re-installing the Fan Pattern Control Assembly.
4. Insert Fan Pattern Control Assembly back into the chamber and give it a few turns to spread the lubricant within the spray gun.
5. The hole on the pattern control knob will need to be lined up with the hole on the top of the spray gun. The screw can be re-inserted and tightened with the Allen key.

TURBINE CARE AND MAINTENANCE

If experiencing a problem with the turbine unit, please DO NOT try to open and service the turbine yourself. Contact Fuji Spray for technical assistance. If it is an issue of no power, check the power outlet first. Also, try resetting the breaker of the turbine by pressing it once. The breaker is located at the right side of the turbine.

All HVLP turbines are designed for intermittent use. When waiting between coats or stepping aside to refill the cup, it is good practice to turn the turbine off during this time. This allows the machine to cool off.

When spraying, always ensure that the turbine unit is at least 15 feet away from spray project and in a well-ventilated area. This will prevent any overspray or debris being ingested into the turbine. Failure to do this may cause the filters to clog, resulting in damage to the internal motor. If possible, use the entire length of the 25ft hose. Having the turbine situated in a separate room with proper ventilation is a great preventative measure to any overspray ingestion. Use conduit if necessary, to run the Air Hose through the wall.

FILTER(S)

DIY-PRO Series (square shape filters)	#4009-2
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It is important to clean or replace the filters regularly. Operating the turbine unit with clogged or dirty filters will cause the turbine to overheat and result in premature failure.

To remove filters, simply pull the filters out from filter housing located on the sides of the turbine, the access point is on the bottom of the housing. Wash in warm soapy water and dry before replacing.

Replacing a filter while still wet will damage the motor while in operation. All Fuji filters are a friction fit. The filter must fill the entire filter enclosure when installed.

Cleaning your filters regularly is essential to maintaining your turbine. It is always a good idea to have a spare pair of filters on hand.

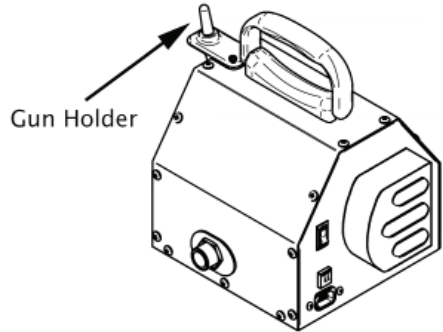
WIRELESS TURBINE REMOTE

It is a good idea to make use of the Turbine Wireless Remote (#3072). This device allows you to turn the turbine unit on/off for your convenience without having to walk back and forth to the turbine.

SPRAY GUN HOLDER AND INSTALLATION

The two holes on the top of the Gun Holder require the two black screws and washers. These screws fit into threaded inserts in the metal case. Do not over tighten - snug is fine.

The single silver-colored screw must be installed in the single hole on the side of the Gun Holder. Once again, please do not over tighten this screw - snug is fine.



If you do not intend on using the Gun Holder you may insert the appropriate screws (as mentioned above) to block the holes. The Gun Holder can also be fastened onto the edge of a workbench or table.

GUN HOLDER USE

Place the Hose Connector (#5229) located at the base of the spray gun handle over the shaft of the Gun Holder shown in above illustration. Please ensure it is fully set down to the base of the shaft. The spray gun will now sit stationary. The spray gun can be left on the holder for any length of time. It is a convenient resting place between spraying.

AIR HOSE CARE

Whether while in use or in storage, be sure to prevent the hose from kinking. During use, do not over-coil the hose as this may restrict air flow and strain the motor. Avoid stepping on the hose as this may damage the hose or fittings.

CONVERTING THE M-MODEL SPRAY GUN

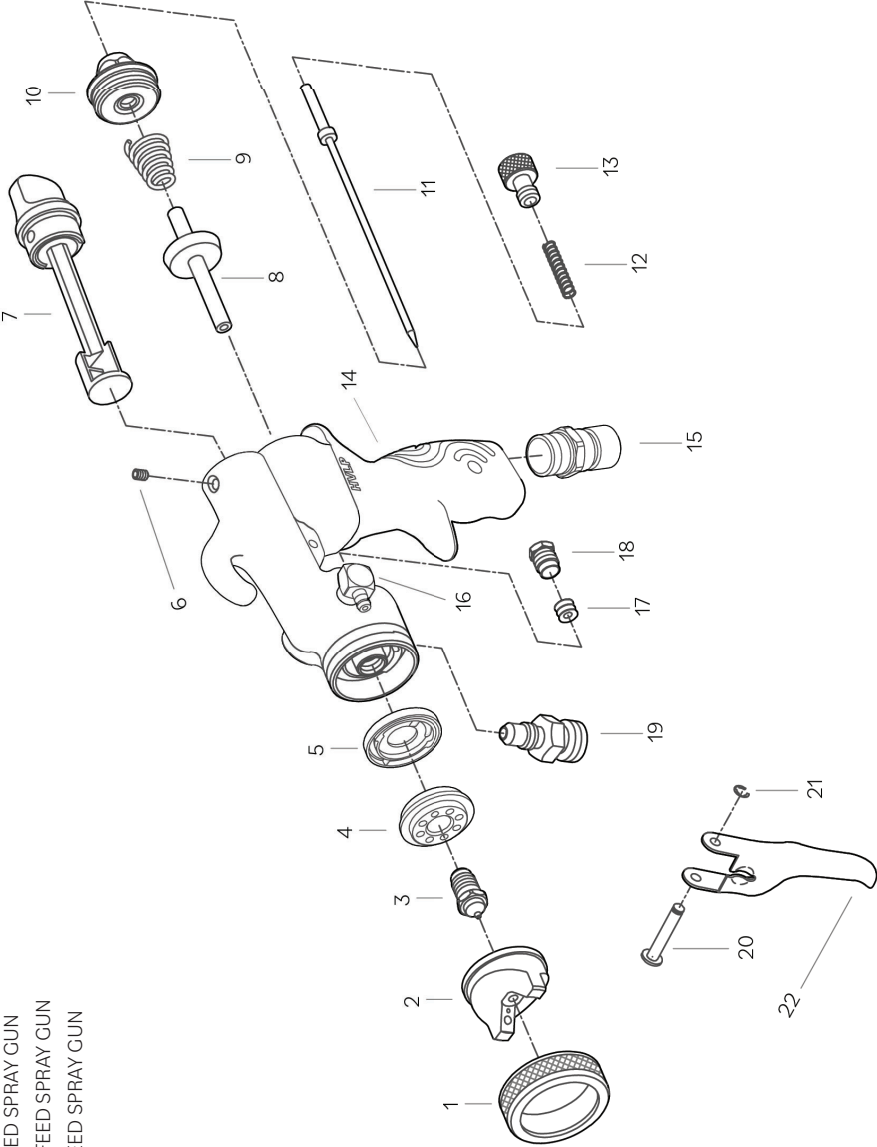
The Fuji Spray M-Model Spray Gun has a unique feature that expands its versatility and functionality. A bottom feed spray gun model can be converted into gravity feed configuration and vice versa.

The appropriate conversion kit will be needed to change the configuration (not included).



M-MODEL SPRAY GUN

7001 BOTTOM FEED SPRAY GUN
7002C GRAVITY FEED SPRAY GUN
7003 BOTTOM FEED SPRAY GUN



	Item	Part	Name	
• Δ	1	2301	Collar	
Δ	2	-	Air Cap	
Δ	3	-	Fluid Nozzle	
•	4	2303	Air Diffuser	
	5	2320	Air Divider	
•	6	2323	Allen Screw	
•	7	2308	Fan Pattern Control Assembly - Blue	
•		2338	Fan Pattern Control Assembly - Black	
	8	2321	Spindle Valve	
	9	2322	Spindle Valve Spring	
	10	2319	Fluid Screw Nut	

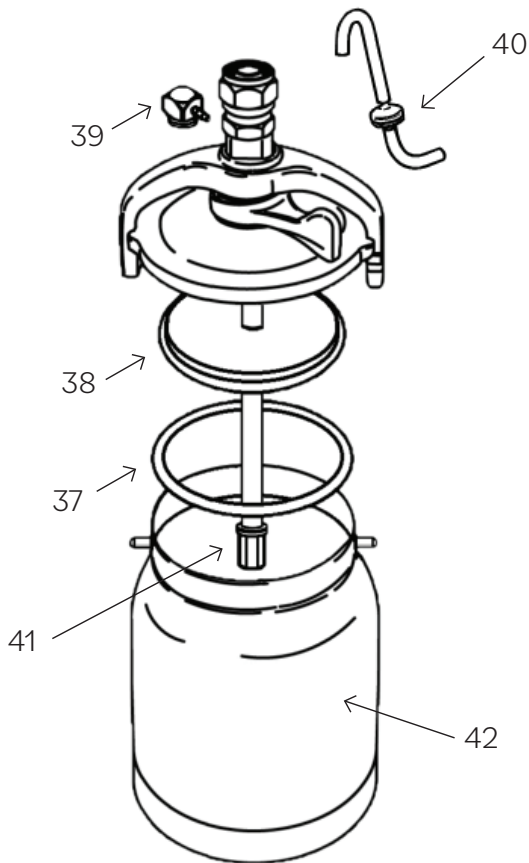
Δ	11	-	Needle	
•	12	2309	Needle Spring	
•	13	2307	Fluid Control Knob	
∞	14	-	Spray Gun Handle	
∞	15	-	Hose Connector	
	16	2304	Square 90 Degree Nipple	
•	17	2312	Needle Packing	
	18	2313	Needle Packing Nut	
∞	19	-	Fluid Coupler	
	20	2330	Trigger Pin	
	21	2331	Retaining Ring	
	22	2315	Trigger	

LEGEND

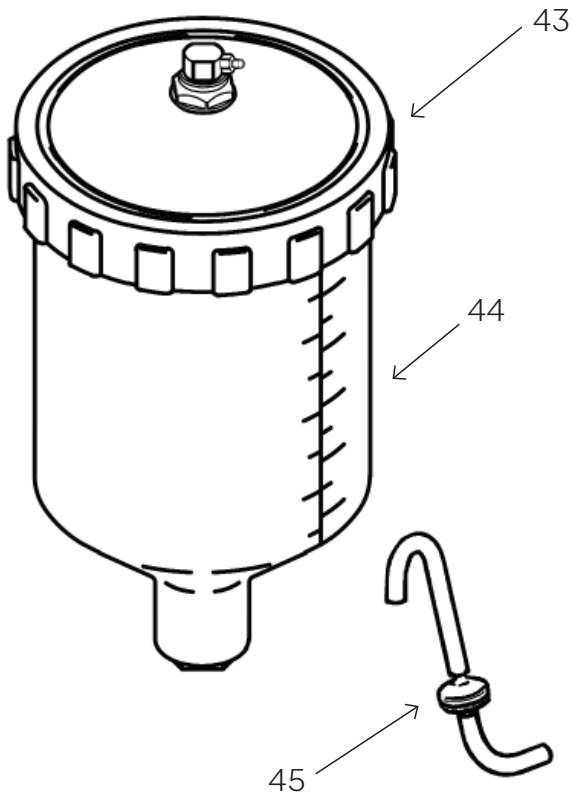
	Part	Name
•	2342-Blue	Spray Gun Rebuild Kit consists of one each of these parts
o	2342-Black	Spray Gun Rebuild Kit consists of one each of these parts
∞		Parts Not Removable
Δ		Air Cap Set consists of one each of these parts

CUP ASSEMBLIES

BOTTOM FEED CUP ASSEMBLY
(#2095)



Item	Part	Name
37	2097	Cup Lid Gasket
38	2096	Diaphragm
39	2304	90 Degree Nipple
40	2024	Pressure Tube
41	9055	Paint Strainer
42	2092	1Qt. Cup (1000cc)



Item	Part	Name
43	9865	Gravity Cup Lid
44	9860	Gravity Cup (600cc)
45	2024-L	Pressure Tube - Long

TROUBLESHOOTING

FINISH PROBLEMS

PROBLEM	CAUSE	FIX
ORANGE PEEL Finish is rough and resembles orange peel. Surface is spotty.	Material is too thick	Add more thinner (or appropriate solvent)
	Air Control Valve turned down	Increase air pressure to the spray gun
	Drying too fast	Add dry time extender
	Too close to surface	Keep distance 6-8" (15-20cm) away from surface
	Too much material flow	Turn Fluid Control Knob clockwise to decrease flow
		Spray an extremely thin film, but still wet coat
GRITTY FINISH Sprayed surface is rough and dry to the touch.	Not enough material output, causing dry spray	Set the fluid control knob to increase material flow
		Spray a wetter coat
	Too far from surface	Keep distance 6-8" (15-20cm) away from surface
	Surface is rough or dirty	Prep or clean thoroughly
FISH EYES A sprayed surface or spot that the coating does not adhere to.	Contamination such as silicone or oil on the surface that interferes with the finish	Thoroughly clean, wash or sand the area, then spray over. Start with light coats

RUNS AND SAGS When coating is pooling in an area causing drips.	Too much material flow	Turn Fluid Control Knob clockwise to decrease flow
	The speed of your pass is too slow	Bring your pass to a moderate speed
	Inconsistent distance from surface	Keep distance 6-8" (15-20cm) away from surface. (See page 8, Technique)

BLUSHING Hazy appearance on a sprayed surface when it dries	Solvent-based clear finish sprayed in high humidity conditions	Add dry time extender.
		Spray in less humid conditions

SPRAY GUN PROBLEMS

THE TRIGGER IS SLUGGISH	Solvent-based clear finish sprayed in high humidity conditions	See page 24 - Leakage from The Needle Packing Nut
		Lubricate shaft of needle
	Bent needle	Replace
	Spindle Valve getting stuck	Lubricate Spindle Valve behind Trigger

PAINT AT THE AIR DIFFUSER HOLES	Fluid Nozzle is loose and paint / material is leaking around it	Tighten with supplied wrench
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CUP LEAKS Bottom Feed Model	Lid of the cup is not properly sealing at the rim of cup	Change Gasket
	Cup is loose - rim of cup may be warped from tightening too much or cracked	Check rim of the cup, if warped or cracked, replace
	Material build up on the rim of the cup	Clean rim's material build up

PROBLEM	CAUSE	FIX
NO PAINT OR VERY LITTLE PAINT	No pressure from air supply hose	Check for air leaks on hose or adjust to appropriate pressure
	The air passage in lid of the cup may be obstructed	Clean obstruction located on lid of the cup
	Pressure Tube/ Check Valve clogged or damaged	Replace pressure Tube / Check Valve
	Cup is empty	Refill cup
	Metal fluid tube is blocked with paint/ material (Bottom Feed model)	Remove Cup Assembly from spray gun and clean with tube brush
	Fluid Coupler is blocked with paint/ material	Clean Fluid Coupler
	Pressure Tube installed in the incorrect direction	Tapered side of Check Valve must be towards cup
	Obstructed fluid passage, the Fluid Coupler (#5208) Bottom Feed (T-70) or (#5211) Gravity Feed (T-75G) is clogged with dried paint it	Use supplied Cleaning Brush to unclog inside of Fluid Coupler using appropriate Solvent. The Fluid Coupler should not be removed

CUP LEAKS Gravity Feed Model	Cup or Lid may be cracked	Replace Cup assembly
	Cup lid is too loose	Clean. Tighten cup lid - hold cup (not gun) with one hand, tighten Lid with the other
	Material build up in the threads of the cup and lid	Clean material build up

CUP LEAKS Bottom Feed Model	Lid of the cup is not properly sealing at the rim of cup	Change Gasket
	Cup is loose - rim of cup may be warped from tightening too much or cracked	Check rim of the cup, if warped or cracked, replace
	Material build up on the rim of the cup	Clean rim's material build up

UNEVEN SPRAY PATTERN	Damaged Needle, Nozzle.	Replace
	Damaged Air Cap, Air Diffuser, or Air Divider	
	Blockage in Air Diffuser or Air Divider	Soak and clean Air Diffuser or Air Divider
	Air holes in Air Cap or Fluid Nozzle clogged	Soak and clean Air Cap or Fluid Nozzle
	Spraying at an angle	Keep consistent parallel distance of 6-8" (15-20cm) from surface

LEAK FROM FLUID NOZZLE If paint material comes out of the Fluid Nozzle without pulling the Trigger...	The Needle is not seating in Fluid Nozzle properly - check if Needle or Fluid Nozzle is damaged or worn	Lubricate Needle or Replace Needle and Fluid Nozzle
	Needle Packing may be too tight preventing Needle from moving	See page 24 - Leakage from The Needle Packing Nut
	Foreign matter trapped between Needle and Fluid Nozzle	Remove Needle and Fluid Nozzle and thoroughly clean
	Loose Fluid Nozzle	Tighten Fluid Nozzle
	Wrong Fluid Nozzle or Needle size installed	Check and Install correct Fluid Nozzle or Needle size to match

GUN SPRAYS IN A PULSATING MANNER	Needle Packing has worn a little or is loose	Tighten with supplied Wrench, see page 24 - Adjust Needle Packing
	Cup is almost empty	Refill Cup with paint / material
	Blocked Pressure Tube, Check Valve or Nipple	Check for proper air passage, clean or replace
	Blocked fluid passage	Thoroughly clean fluid passages with appropriate solvent
	Air passage in the lid of the cup may be obstructed	Clean obstruction located on lid of the cup
	Fluid Nozzle is loose or damaged	Tighten with supplied Wrench or replace

EXCESSIVE OVERSPRAY	Spray pattern size is too large for the item being sprayed	Adjust Fan Pattern Control Knob to make a smaller fan pattern
	The spray gun is being held too far away	Distance should be 8" max. (20cm)
	Trigger engaged throughout the entire spray piece	Trigger on and off as you pass over the edges of the item
	The 'paint' is too thin	Try thinning less
	Too much atomizing air pressure	Reduce inlet air at Air Control Valve
	No ambient air flow	Open window/door or install extraction fan*

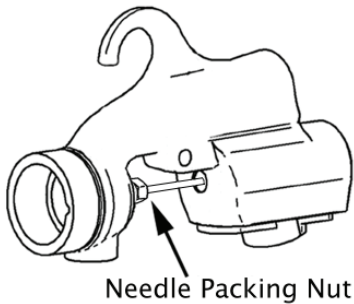
*If spraying a flammable, combustible product such as nitrocellulose lacquer, installing an explosion-proof fan (and explosion-proof lighting and switches) is a must.

*Please check with local jurisdiction on this matter.

LEAKAGE FROM THE NEEDLE PACKING NUT

This occurs when the Needle Packing Nut is too loose.

Half fill the cup with water. Attach spray gun Air Hose and turn on turbine to pressurize cup. **This is a very sensitive adjustment.** Imagine the Needle Packing Nut as if it were a clock, use the supplied wrench to gently tighten the Needle Packing Nut one or two minutes at a time. Wipe away water in between adjustments. Repeat until no water is seen where Needle passes through Needle Packing Nut (#2313).



It is a good idea to apply light machine oil or to the Needle shaft where it passes through the Needle Packing Nut and distribute by pulling the Trigger back and forth. This will lubricate the Needle Packing (#2312). Avoid getting any lubricant on the needle tip. If lubricant does come in contact with the Needle tip, clean as necessary.

CONSUMABLES & ACCESSORIES AT A GLANCE

M-MODEL BOTTOM FEED SPRAY GUNS (#7001, #7003) M-MODEL GRAVITY FEED SPRAY GUN (#7002G)

Model #	Part #	Description
7001, 7003	2026P-5	Pressure Tubes (5pk)
7001, 7003	2092	1Qt. Cup
7001, 7003	2095	1Qt. Cup Assembly
7001, 7003	71650	Diaphragm (3pk)
7001, 7003	72229	Cup Gaskets (10pk)
7001, 7003	2098	Cup Parts Kit Gaskets, Pressure Tubes with Check Valves, Strainers and Diaphragms (3 of each)
7001, 7003	2613585	Strainers (10pk)
7001, 7003	9080	Mini 3-Cup Set (350cc)
7002G	2024L-5	Pressure Tubes - Long (5pk)
7002G	2030	400cc Gravity Cup Parts Kit Gaskets and Pressure Tubes (5 of each)
7002G	9050-5	400cc Cup Gaskets (5pk)
All	2049F	Flexible 6ft. Whip Hose (Blue)
All	2268	Flexible 6ft. Whip Hose (Black)
7001, 7002G	2308A	Fan Pattern Control Assembly
7003	2338A	Fan Pattern Control Assembly
All	3100	Spray Gun Cleaning Kit
All	2342-Blue	Spray Gun Rebuild Kit (Blue)
All	2342-Black	Spray Gun Rebuild Kit (Black)
All	9025-3	Reusable Paint Strainers (3pk)
All	9070-40	Cone Strainers (40pk)

TURBINE (Semi-PRO 2, Hobby-PRO 2)

Part #	Description
4009-2	Filter for DIY Series Turbine (1 pair)
3072	Turbine Wireless Remote

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The warranty does not cover damage or defects arising as a result of abuse, misuse, accident, negligence, malfunction, corrosion, normal wear and tear, inadequate or lack of spray gun or other aspects of maintenance of the product, damage arising from improper assembly, installation or operation, damage arising from the product being used with parts that are not genuine Fuji Spray® parts, or damage arising from the product being used for a purpose other than that for which it was designed or intended. The warranty is void if repairs to the product are made or attempted by anyone other than Fuji or its authorized agent, or if any modifications to the product are made or attempted.

Purchasers located in North America must obtain a Return Material Authorization number by calling Fuji at 1-800-650-0930 before returning the product to Fuji or its designated representative.

Purchasers located outside North America must contact the vendor from which they purchased the product. In all instances purchasers must return the product together with proof of purchase and with shipping prepaid. For valid warranty claims the product will be returned to the purchaser with shipping prepaid.

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