

Important Safety Instructions

SAVE THESE INSTRUCTIONS: To reduce the risks of fire or explosion, electrical shock and the injury to persons, read and understand all instructions included in this manual. Be familiar with the controls and the proper usage of the equipment.

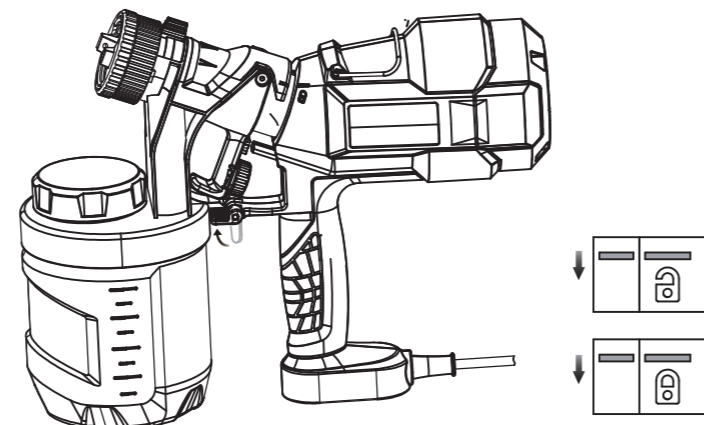
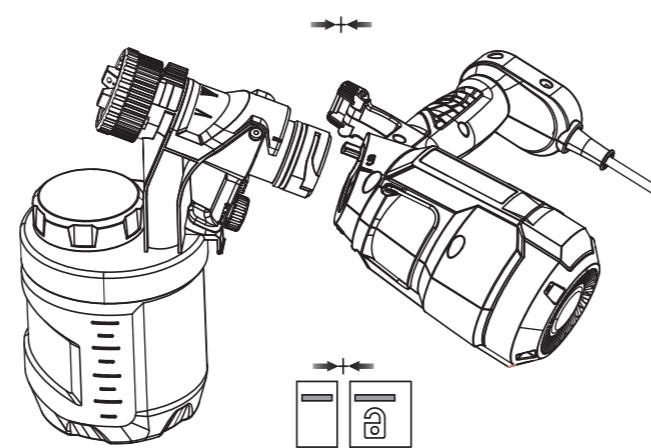
This tool is double insulated; therefore no earth wire is required. Always check that the power supply corresponds to the voltage on the rating plate.

- ▶ Exhaust and fresh air introduction must be provided to keep the air within the spray area free from accumulation of flammable vapors.
- ▶ Avoid all ignition sources such as static electricity sparks, open flames, pilot lights, hot objects, lit tobacco products, and sparks from connecting and disconnecting power cords or working light switches.
- ▶ Fire extinguisher equipment shall be present and working.
- ▶ Keep area clean and free of paint or solvent containers, rags, and other flammable materials.
- ▶ Do not spray flammable or combustible materials near an open flame or sources of ignition such as lit tobacco products, motors, and electrical equipment.
- ▶ Do not use materials with a flashpoint higher than 60°C (140°F). Flashpoint is the temperature that a fluid can produce enough vapors to ignite (see coating supplier).
- ▶ Keep electrical cord plug and sprayer trigger free from spray material and other liquids. Never hold cord at plug connections to support cord. Failure to observe may result in an electrical shock.
- ▶ Never immerse electrical parts in water or any other liquid. Wipe the exterior of the sprayer with a damp cloth for cleaning. Always make sure the sprayer is unplugged before taking it apart for cleaning.
- ▶ Do not expose unit to rain or wet conditions.
- ▶ Do not abuse the cord. Never use the cord to carry the unit or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.
- ▶ Before using the spray gun or after replacing the nozzle, pay attention to check whether the seal ring is put in place; The seal ring should be carefully stored to avoid loss, check if nozzle, aircap, quick refill lid and canister tightly assembled.

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SKIN INJECTION HAZARD
RISK OF EXPLOSION OR FIRE HAZARDOUS VAPORS

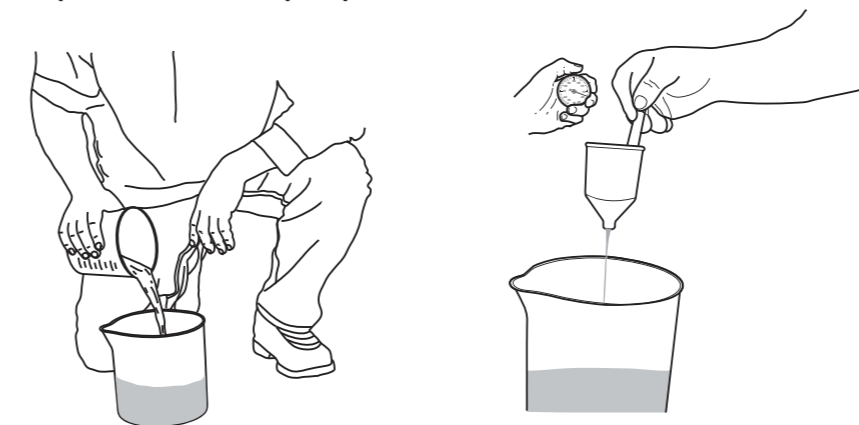
Attaching spray unit to spray gun handle



Align the marking line on the spray unit with the icon of unlock, then rotate the spray gun handle clockwise until stop. Rotate the quick release lock(#19) and snap onto the hook on the edge of canister lid.

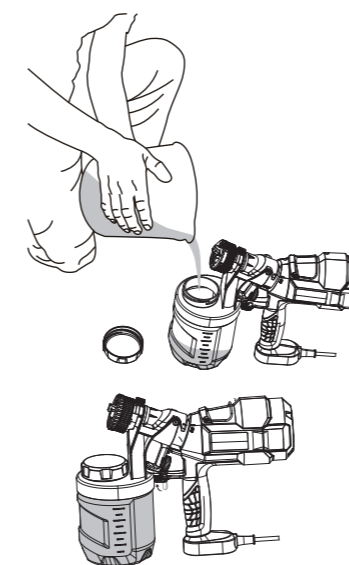
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Liquid material preparation



- ▶ Stir the material thoroughly.
- ▶ Dip the viscosity cup into the material being sprayed and fill the cup completely.
- ▶ Measure the amount of time it takes (manufacturer's recommendation: within 70 seconds).

Thinning Chart	
Material	Runout Time
1) Oil enamel	25-50
2) Oil based primer	30-50
3) Oil stain	No thinning required
4) Clear sealer	No thinning required
5) Polyurethane	No thinning required
6) Varnish	20-50



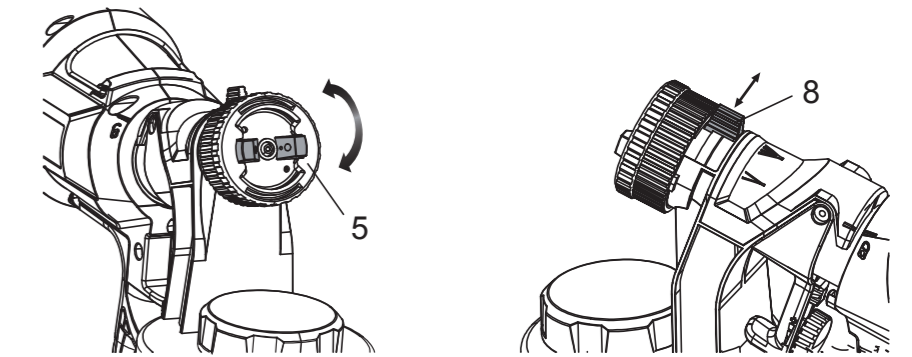
Filling The Canister

- ▶ Unscrew the quick refill lid.
- ▶ Pour the properly thinned and strained material to be sprayed into the canister.
- ▶ Starting the threads evenly, screw the lid completely onto the top fill canister.

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Plug in the cord and turn on the power unit.

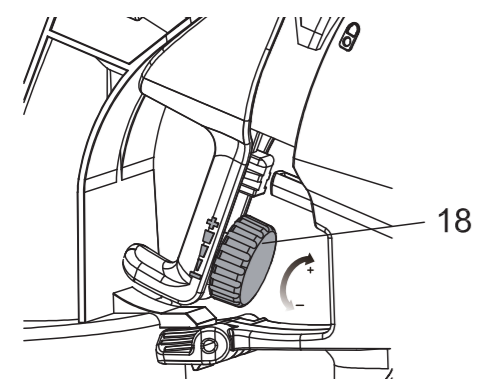
Spray Patterns



- Vertical Flat Jet Turn the air cap (#5) to horizontal direction clockwise until stop.		Vertical narrow jet for Small-medium size surface
- Horizontal Flat Jet Turn the air cap(#5) to vertical direction anti-clockwise until stop.		Horizontal narrow jet for Small-medium size surface
- Circular Jet Turn the spray width lever (#8) to the icon of Minimum.		Small circular jet for initial coatings, corners, edges, and hard to reach locations

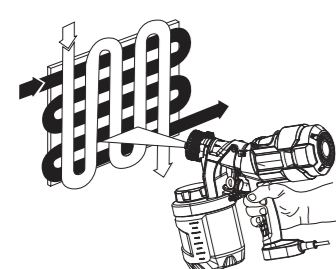
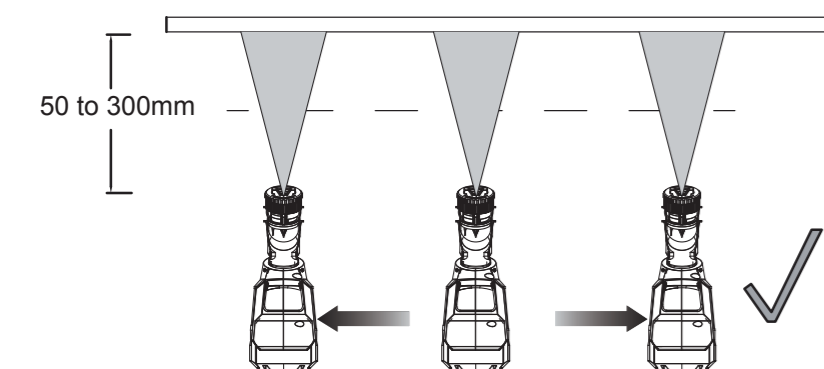
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Flow Control Adjusting



- ▶ The flow control knob (#18) regulates the amount of liquid that can be sprayed.
 - Turning the flow knob clockwise increases the flow of liquid.
 - Turning the knob counter anti-clockwise decreases the flow of liquid.

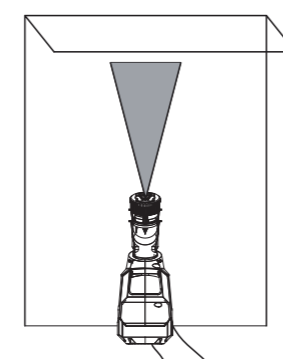
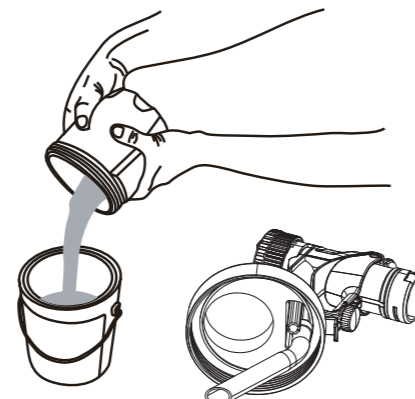
Proper Spraying Technique



- ▶ A commonly used method for spraying a large surface is the "crisscross" pattern. This is done by spraying in horizontal strips and then crossing over these strips with vertical strips.
- ▶ Avoid spraying too heavily in any one area. Several lighter coats are better than one heavy coat which can lead to running and dripping.

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Cleaning



- ▶ Unscrew the canister from the sprayer and pour any remaining liquid back into the original container.

- ▶ Pour a small amount of the appropriate cleaning solution into the canister.

- Warm soapy water for water based materials

- Manufacturers recommended cleaning solution for oil based materials

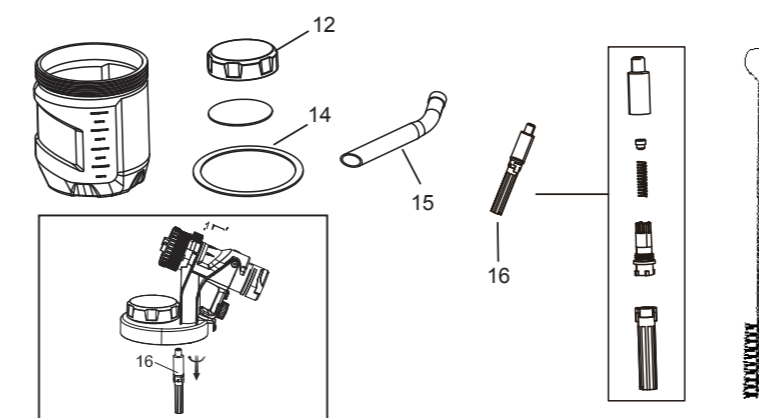
- ▶ Screw on the canister back to the sprayer securely and vigorously shake the sprayer.

- ▶ Reattach the spray gun unit to the power unit, plug in the cord and turn on the power unit.

- ▶ Spray the cleaning solution through the sprayer onto scrap material for 2 to 3 seconds.

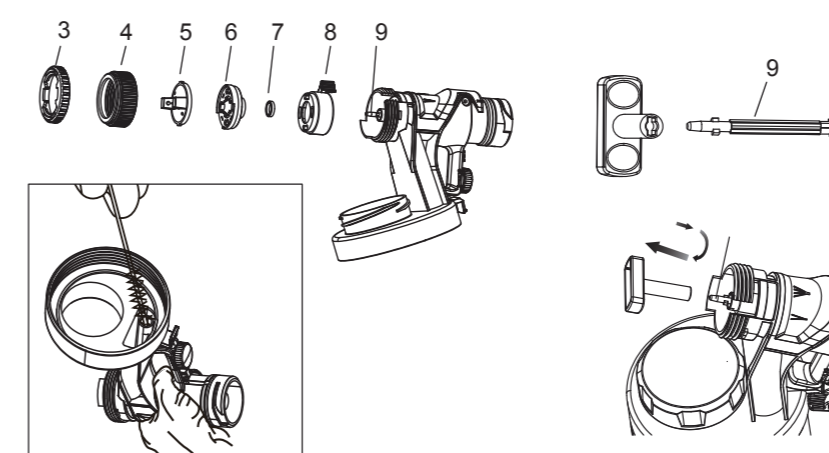
- ▶ Always spray outdoors when spraying cleaning solution through sprayer.

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- ▶ Remove the o-ring (#14), pickup tube (#15), check valve (#16), and quick refill lid(#12) from the sprayer. Clean the parts with the cleaning brush in the appropriate cleaning solution.

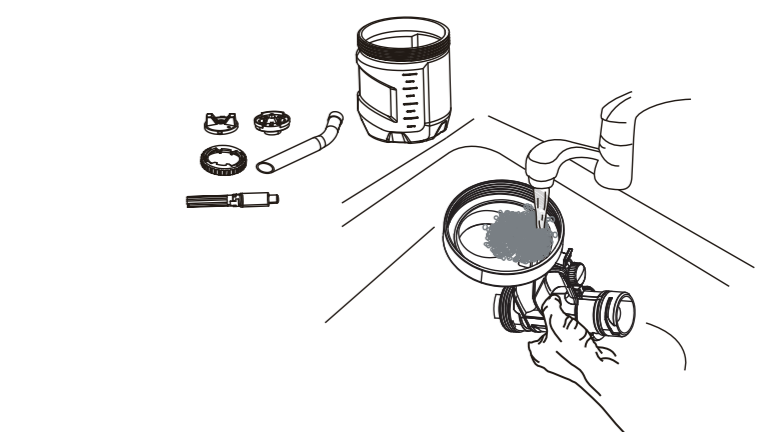
Tips: When removing the check valve, twist the check valve clockwise and then pull it out.



- ▶ Unscrew the tip collar (#4) and remove all the parts of the spray nozzle (#3, #4, #5, #6, #7, #8) from the sprayer. Remove the spray tip (#9) from the sprayer.

- ▶ Clean all parts with the cleaning brush in the appropriate cleaning solution. Be sure to clean around check valve with brush.

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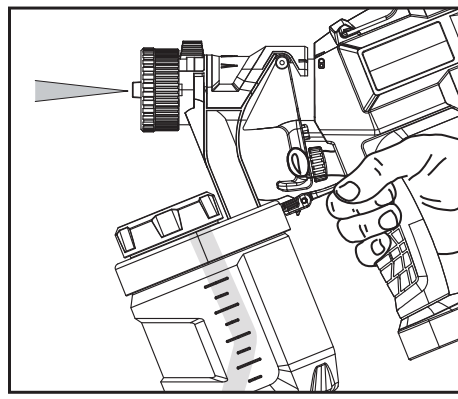


- ▶ If using water based material, clean the sprayer by running water through pickup tube inlet.
- ▶ If using oil based materials, clean pickup tube inlet with the appropriate cleaning solution. Repeat until sprayer is completely clean.
- ▶ Dry all parts thoroughly.

Applications	Painting	Coating	nozzle size	viscosity	Air flow control knob position
Suitable for small area fine spraying (table, chair, bicycle, shutter, wooden toy, model making, etc.)	√	x	1.0mm	30Din-s	
Suitable for medium sized occasions (railings, multi-frame window frames, heating pipes, boats, yard furniture, garage doors, metal garden fences, etc.)	√	√	2.0mm	50Din-s	
Suitable for low-quality occasions (internal wall, wooden garden fence, wooden pile, corridor, etc.)	√	√	2.5mm	70Din-s	
Suitable for large areas of low quality (external walls, outdoor floors, etc.)	x	√	3.0mm	100Din-s	

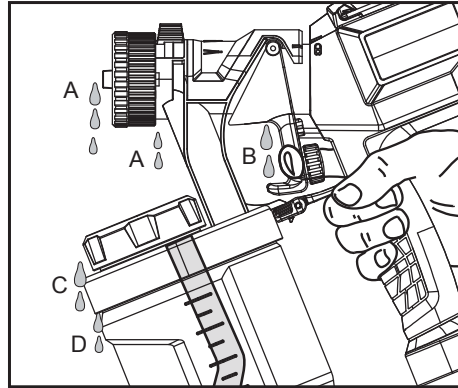
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Little or No Material Being Released.



- | | |
|---|--|
| 1. Spray nozzle(#6) / tip(#9) clogged. | Clean nozzles. |
| 2. Pickup tube(#15) clogged. | Check tube. |
| 3. Check valve(#16) blocked | Clean or change check valve |
| 4. Pickup tube(#15) loose. | Check tube. |
| 5. Y-type seal ring(#7) of nozzle missing | Add seal ring to nozzle and assemble in place |
| 6. Canister(#17) loose | Screw canister tightly in place |
| 7. Quick refill lid(#12) loose | Screw quick refill lid tight in place |
| 8. Flow control knob(#18) setting too low | Increase flow control setting |
| 9. Material too thick. | Thin material per manufacturer recommendation. |
| 10. Nozzle(#6) size too small | Change nozzle and spray tip |

Dripping



A. MATERIAL DRIPS FROM NOZZLE

- | | |
|---|-------------------------------|
| 1. Nozzle(#6) /Tip collar(#4) loose | Screw nozzle/Tip collar tight |
| 2. Nozzle(#6) breaks | Change |
| 3. Y-type seal ring(#7) of nozzle breaks | Change |
| 4. Material accumulated /clog inside nozzle | Clean |

B. MATERIAL DRIPS FROM TRIGGER(#11)

- | | |
|---|--------|
| 1. the seal ring for the spray tip is useless | change |
|---|--------|

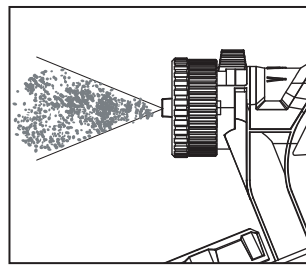
C. MATERIAL DRIPS FROM QUICK REFILL LID(#12)

- | | |
|---|---------------------------------------|
| 1. Quick refill lid(#12) loose | Screw quick refill lid tight in place |
| 2. Seal ring(#13) of quick refill lid break | Change seal ring |

D. MATERIAL DRIPS FROM CANISTER(#17)

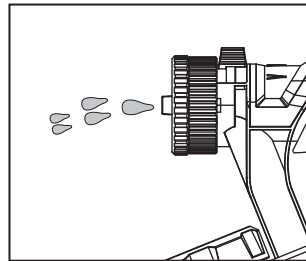
- | | |
|------------------------|---------------------------------|
| 1. Canister(#17) loose | Screw canister tightly in place |
|------------------------|---------------------------------|

Atomization is Too Coarse



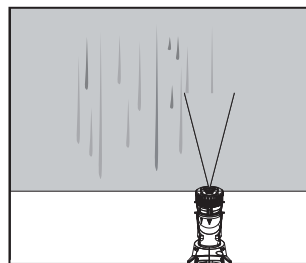
- | | |
|---|--|
| 1. Viscosity of material too high. | Thin material per manufacturer recommendation. |
| 2. Flow control knob setting too high | Decrease flow control setting |
| 3. Material accumulated /clog inside nozzle | Clean |
| 4. Nozzle(#6) size too big | Change correct nozzle and spray tip |

Sprayer Pulsates

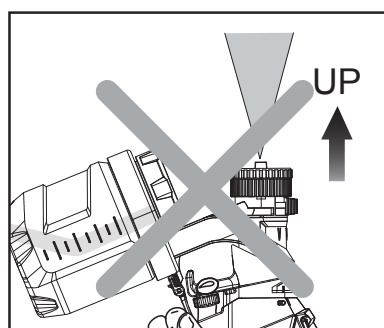


- | | |
|---|--|
| 1. Material in canister almost empty. | Refill canister. |
| 2. Canister/Quick refill lid loose | Screw canister/quick refill lid tight in place |
| 3. Nozzle(#6) /Tip collar(#4) loose | Screw nozzle/Tip collar tight |
| 4. Y-type seal ring(#7) of nozzle missing | Add seal ring to nozzle and assemble in place |
| 5. Pickup tube(#15) loose. | Check tube. |

Spray Material Does Not Cover Properly

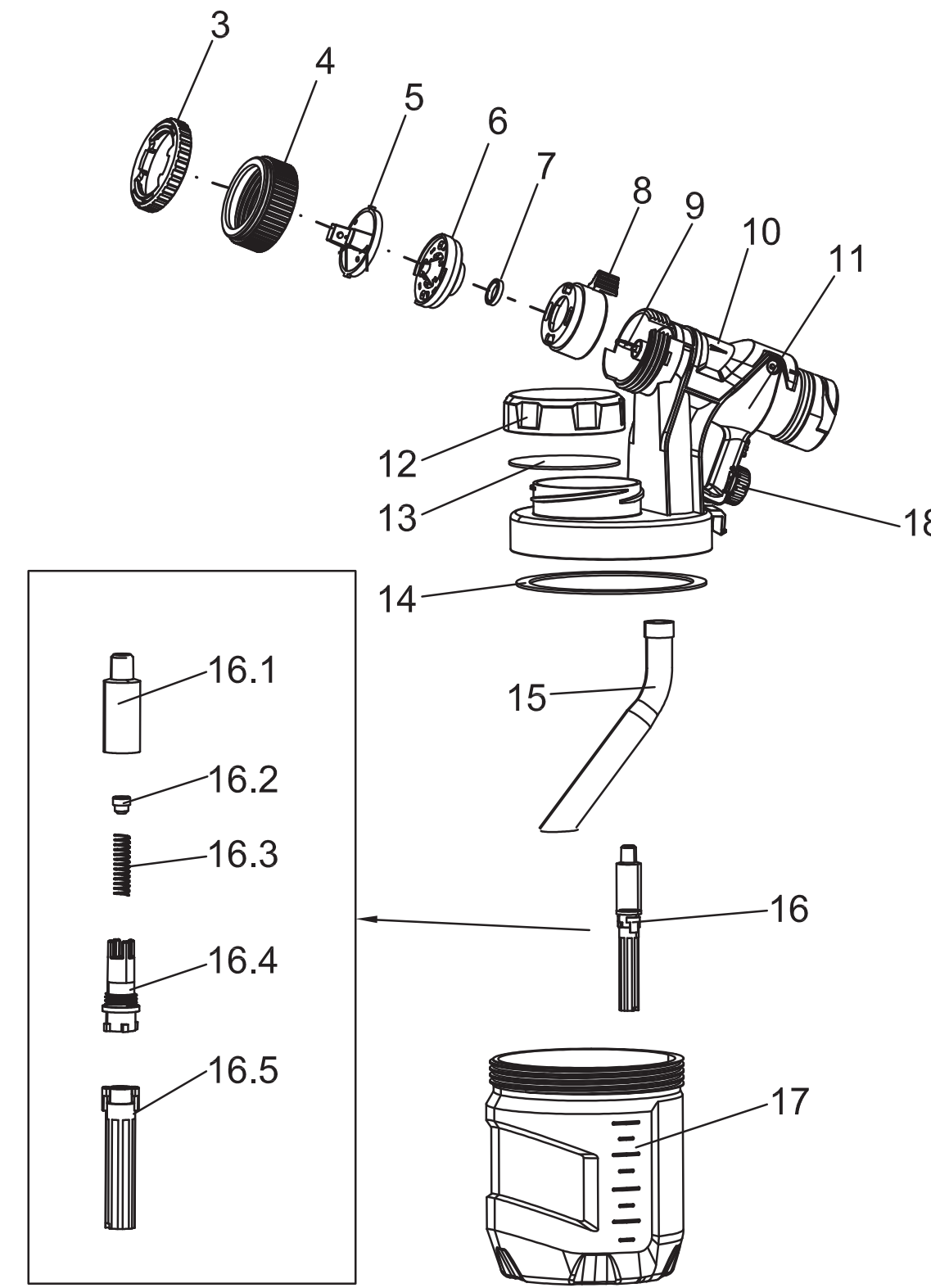


- | | |
|---------------------------------------|-------------------------------|
| 1. Flow control knob setting too high | Decrease flow control setting |
| 2. Flow control knob setting too low. | Increase flow control setting |

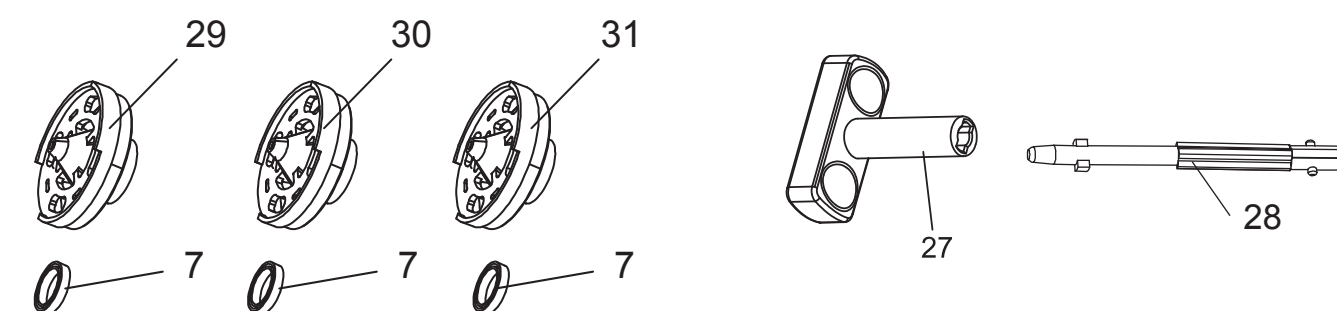
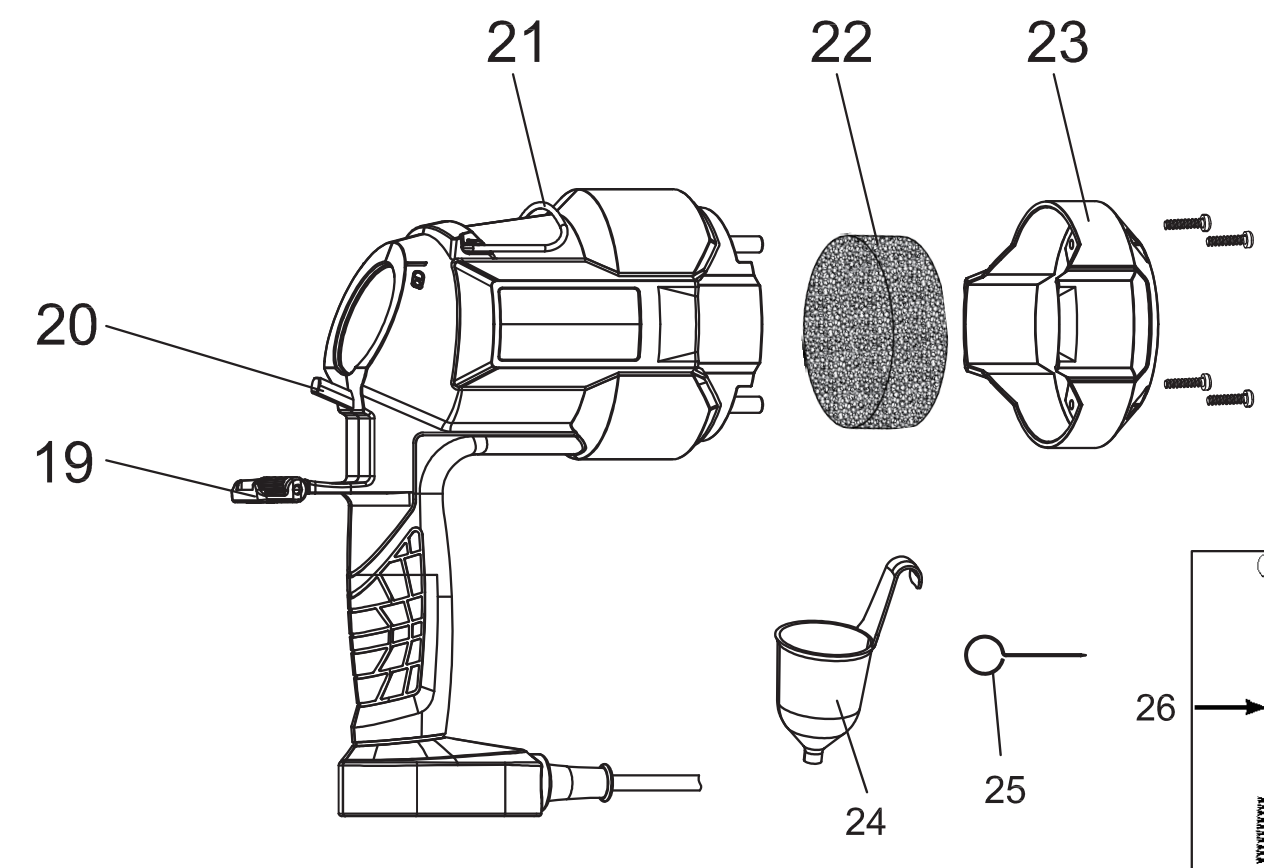


Never Never Never Spray Upside Like The Left Picture Shows

Exploded View And Part List



1. Spray gun unit
2. Power unit
3. Smart nozzle selector
4. Tip collar
5. Air cap
6. Nozzle (Φ2.0mm)
7. Y-type seal ring
8. Spray width lever
9. Spray tip
10. Spray unit housing
11. Trigger
12. Quick refill lid
13. Sealing liner
14. O-ring
15. Pickup tube
16. Check valve assembly
 - 16.1 Check valve sleeve 1
 - 16.2 Check valve
 - 16.3 Spring
 - 16.4 Check valve sleeve 2
 - 16.5 Valve extension
17. Canister



18. Flow control knob
19. Quick release lock
20. Switch trigger lever
21. Hanging hook
22. Filter
23. Filter cover
24. Viscosity cup
25. Cleaning needle
26. Cleaning brush
27. Spray tip key
28. Spray tip for 1.0mm nozzle
29. Nozzle (Φ1.0mm)
30. Nozzle (Φ2.5mm)
31. Nozzle (Φ3.0mm)