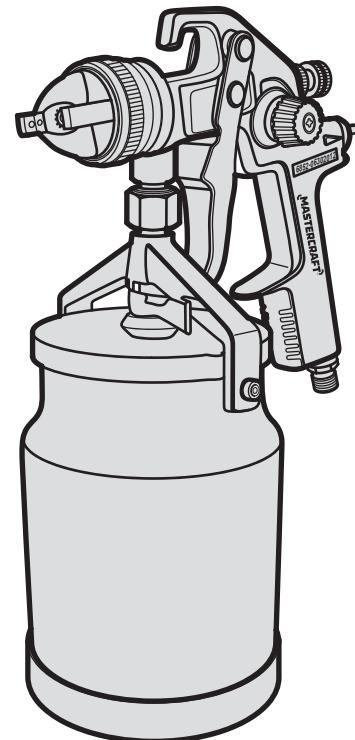




model no. 058-9336-2
**1 L AIR-POWERED
SIPHON-FEED SPRAY GUN**



IMPORTANT:

For your own safety, read and follow all of the Safety Guidelines and Operating Instructions before operating this spray gun. Keep this manual for future reference.

**INSTRUCTION
MANUAL**

TABLE OF CONTENTS

TECHNICAL SPECIFICATIONS	3
SAFETY GUIDELINES	4
KEY PARTS DIAGRAM	10
IMPORTANT INFORMATION	11
OPERATING INSTRUCTIONS	12
MAINTENANCE	17
TROUBLESHOOTING	19
EXPLODED VIEW	21
PARTS LIST	22
WARRANTY	23

NOTE: If any parts are missing or damaged, or if you have any questions, please call our toll-free helpline at 1-800-689-9928.

**SAVE THESE INSTRUCTIONS**

This manual contains important safety and operating instructions. Read all instructions and follow them with use of this product.

TECHNICAL SPECIFICATIONS

FLUID DELIVERY	Siphon
AIR INLET	1/4"-18 NPT
AIR HOSE	3/8" (9.5 mm)
NOZZLE	1.4 mm
OPTIONAL NOZZLE DIAMETER	1.3 to 2.5 mm
RECOMMENDED AIR PRESSURE	37 to 51 PSI (2.5 to 3.5 bar)
MAXIMUM MATERIAL TEMPERATURE	122°F (50°C)
PAINT CAPACITY	1 L
CFM REQUIRED	3.9 @ 40 PSI (2.8 bar)
PATTERN WIDTH	7 1/16 – 9 13/16" (180 – 250 mm)
WEIGHT	2 lb 11 oz (1.2 kg)

CF: Cubic Feet (the volumetric flow rate of air corrected to standardized conditions of temperature and pressure).

NPT: Nominal Pipe Thread.

SAFETY GUIDELINES

This manual contains information that relates to PROTECTING PERSONAL SAFETY and PREVENTING EQUIPMENT PROBLEMS. It is very important to read this manual carefully and understand it thoroughly before using the product. The symbols listed below are used to indicate this information.

**DANGER!**

Potential hazard that will result in serious injury or loss of life.

**WARNING!**

Potential hazard that could result in serious injury or loss of life.

**CAUTION!**

Potential hazard that may result in moderate injury or damage to equipment.

Note: The word “Note” is used to inform the reader of something he/she needs to know about the tool.

PERSONAL SAFETY

These precautions are intended for the personal safety of the user and others working with the user. Please take time to read and understand them.

SAFETY GUIDELINES

Note: Carefully read and understand all the instructions in this manual before using the spray gun. Ensure that operator of the tool has read and understood these instructions.



DANGER!

Potential hazard that will result in serious injury or loss of life.

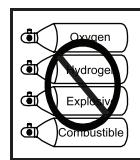
- **Keep children away** from the work area. Do not allow children to handle power tools.
- **Do not point the tool towards yourself or other people, even if the tool has stopped.** Keep hands, feet, and all other parts of the body clear from work area.
- **Never use homogenate hydrocarbon solvent**, which can chemically react with aluminium and zinc parts and which is not chemically compatible with aluminium and zinc parts.



- **Do not use this tool in the presence of flammable liquids or gases.** Sparks that are created during use may ignite gases. Please use the tool in well-ventilated area only and avoid any ignition sources such as smoking and open flames.



- **Do not use oxygen or any other combustible or bottled gas** to power air-powered tools. Failure to observe this warning can cause explosion and serious personal injury or death. Use only compressed air to power the air-powered tools. Use a minimum of 25' (7.6 m) of hose to connect the tool to the compressor. Failure to comply will result in serious injury or loss of life.



- **Risk of electric shock:** Do not expose a compressor to rain. Store it indoors. Disconnect the compressor from power source before servicing. Compressor must be grounded. Do not use grounding adaptors.



- **Risk of personal injury:** Do not direct compressed air from the air hose towards the user or other persons.

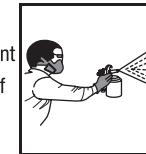


- **Risk of inhalation:** Never directly inhale the air produced by the compressor and the spray gun. Always use the spray gun in a well ventilated area.



Use protective respirator: Toxic vapours produced by spraying certain materials can cause serious damage to health.

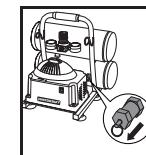
Always wear safety glasses, gloves, and respirator to prevent the hazard caused by inhalation of toxic vapour or contact of solvent and paint with eyes or skin. Failure to comply will result in moderate injury.



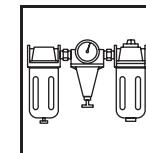
- **Risk of burns:** The pump and the manifold generate high temperatures. In order to avoid burns or other injuries, do not touch the pump, the manifold, or the transfer tube while the compressor is running. Allow the parts to cool down before handling or servicing. Keep children away from the compressor at all times.



- **Risk of bursting:** Do not adjust the pressure switch or safety valve for any reason. They have been preset at the factory for this compressor's maximum pressure. Tampering with the pressure switch or the safety valve may cause personal injury or property damage. Make sure the regulator is adjusted so that the compressor outlet pressure is set lower than the maximum operating pressure of the tool. Before starting the compressor, pull the ring on the safety valve to make sure the valve moves freely. Drain water from tank after each use. Do not weld or repair tank. Relieve all pressure in the hose before removing or attaching accessories.



- **Use compressed air at regulated pressure:** Always use clean, dry, and compressed air at regulated pressure. Do not exceed the maximum operating pressure of 120 PSI (8.3 bar). Failure to comply will lead to serious injury or loss of life.





WARNING!

Potential hazard that could result in serious injury or loss of life.

- Do not allow unskilled or untrained individuals to operate the Mastercraft® Air-powered Siphon-feed Spray Gun.
- **Use components recommended by manufacturers:** Never modify the gravity-feed spray gun for other applications. Use only parts, nozzles, and accessories with specifications as mentioned in this manual (see section "Technical specifications").
- Some solvents and chemicals used in the spray gun may pose a risk of personal injury or death, or may pose a threat to the environment. The operator should read the associated Material Safety Data Sheet (MSDS), understand all warnings, wear suitable personal protective equipment, and follow safe handling and application procedures, before using the spray gun.
- **Inspect the tool components and attachments before operation** and ensure that they are assembled properly and are not damaged. Failure to comply will lead to serious injury or loss of life.
- **Locate the compressor in a well-ventilated area** for cooling, a minimum of 12" (31 cm) away from the nearest wall.
- **Protect the air hose and the power cord from damage and puncture. Inspect them for weak or worn spots every week**, and replace them if necessary.
- **Always wear hearing protection** when using the air compressor. Failure to do so may result in hearing loss.
- **Do not carry the compressor while it is running.**
- **Do not operate the compressor if it is not in a stable position.**
- **Do not operate the compressor on a rooftop or in elevated position** that could allow the unit to fall or be tipped over.

CAUTION!

Potential hazard that may result in moderate injury or damage to equipment.

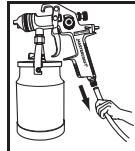


- **Keep proper footing at all times in order to ensure correct balance.**
- Do not use a tool that is leaking air, with missing or damaged parts, or that requires repairs. **Verify that all screws are securely tightened.**
- For optimal safety and tool performance, **inspect the tool daily** in order to ensure free movement of the trigger, safety mechanisms, and springs.
- **Ensure proper tool operation before painting.** Before painting, inspect to ensure free movement of the trigger and nozzle.
- **Check the tightness of screws before operating the tool.** Before operating the tool, make sure all the screws and caps are securely tightened to prevent leakage.
- **Keep the work area clean.** A cluttered or dirty workbench may lead to an accident. Floors should be kept clear.
- **Handling and storage of oil:** Use with adequate ventilation. Avoid contact of oil with eyes, skin, and clothing. Avoid breathing spray or mist. Store in a tightly closed container in a cool, dry, well-ventilated area free from incompatible substances.
- **Do not use the tool near or below freezing temperatures**, as doing so may cause tool failure.
- **Do not store the tool in a freezing environment** to prevent ice formation on the operating valves of the tool, which may cause tool failure.

**CAUTION!**

Potential hazard that may result in moderate injury or damage to equipment.

- Disconnect tool from the air supply and turn off the compressor before performing any maintenance, changing accessories, when the tool is not in use, when it is handed to another person, and when it is left unattended. Failure to comply may result in moderate injury or damage to equipment.

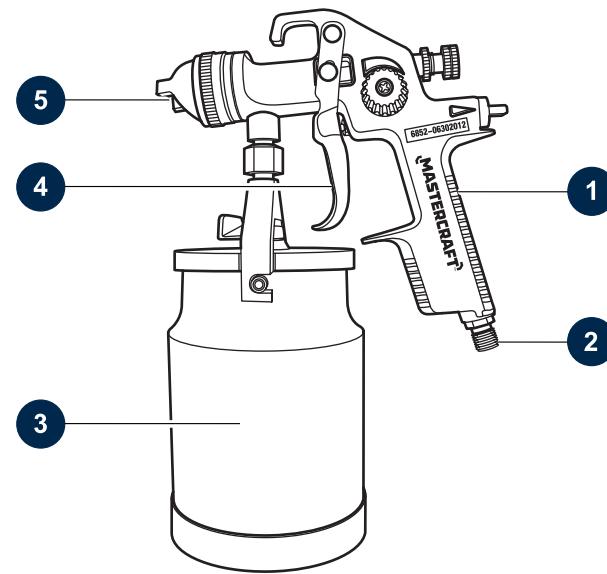


- Use safety goggles and ear protection:

Wear safety glasses with side shields when operating the tool/compressor and verify that others in the work area are also wearing safety glasses. Safety glasses must conform to American National Standards Institute ANSI Z87.1 (or in Canada, CSA Z94.3) requirements and must provide protection from flying particles from the front and the sides.



Air-powered tools are loud and the sound can cause hearing damage. Always wear ear protection to prevent hearing damage and loss. Failure to comply may result in moderate injury.



No.	Description	No.	Description
1	Gun body	4	Trigger
2	Air inlet plug	5	Nozzle
3	Canister		

Note: Recycle unwanted materials rather than disposing them as waste. Sort the tools, hoses, and packaging in specific categories and take them to the local recycling centre or dispose them in an environmentally safe way.

Compatible compressors

GUIDELINES FOR PROPER USE AND OPERATION

Be sure to use the proper air compressor with Mastercraft® air-powered tools. The compressor should be able to supply a minimal air delivery of 4.0 CFM @ 51 PSI (3.5 bar) to ensure the compressor can run continuously with the Mastercraft® Air-powered Siphon-feed Spray Gun. Using tools or combinations of tools that together or separately require more than the air compressor can deliver will reduce performance and could void the compressor or tool guarantee/warranty.

Air Compressor Size and Power	1 1/2–2 HP	2 1/2 HP	3 HP and more
5–6 Gallons	Light-duty and intermittent use	Light-duty and intermittent use	Light-duty and intermittent use
8–11 Gallons	Light-duty and intermittent use	Medium-duty and intermittent use	Medium-duty and intermittent use
15 Gallons and more	Medium-duty and intermittent use	Heavy-duty and continuous use	Heavy-duty and continuous use

General Description

This Mastercraft® Air-powered Siphon-feed Spray Gun operates at 37 PSI (2.6 bar) (low pressure). The spray gun uses an air cap which forms a easily-controllable soft spray and generates less overspray and high transfer efficiency. The spray gun has adjustable knobs to control paint output, pattern formation, and air outflow. This spray gun is designed to provide uniform atomization and particle size for painting any type of surface. The stainless steel needle, nozzle, and precision air cap setting are provided for a variety of coatings. The lightweight, ergonomic design and easy trigger pivot enable user-friendly operation, reducing operator fatigue.

Before using the spray gun

- After unpacking the spray gun, inspect carefully and check thoroughly to see if there is any damage that may have occurred during transit. Ensure the tightness of fittings, bolts, etc., before performing any operation.
- After connecting the gun to air supply, ensure the tight connection of the fluid cap, canister, and air hose with the air-powered siphon-feed spray gun.
- Use a piece of cardboard or other scrap material as target for trial spray and adjust for best spray pattern.



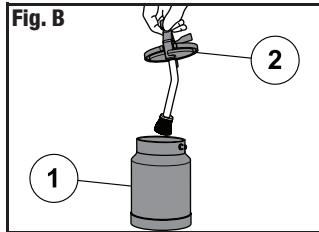
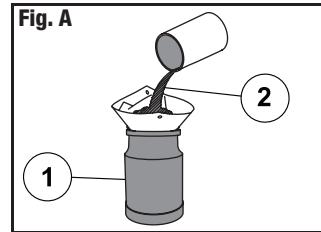
WARNING!

Potential hazard that could result in serious injury or loss of life.

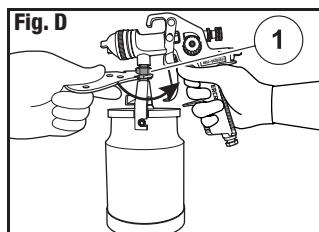
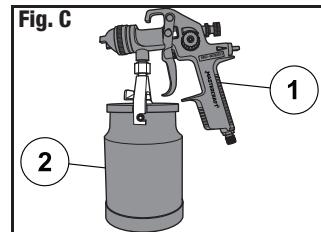
- Do not exceed the maximum pressure of spray gun or any other parts in the compressor system. Failure to comply could lead to serious injury or loss of life.
- Never aim or spray at yourself or anybody else which could cause serious injury. Failure to comply could lead to serious injury or loss of life.

Paint filling

- Pour paint through a strainer, cheese cloth or a paint strainer to remove any foreign substances from the paint.
- Fill canister (1) three quarters full with paint (2) (Fig. A).

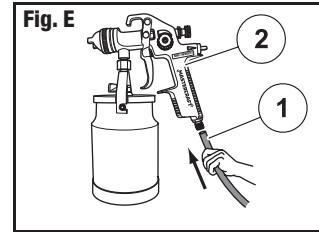
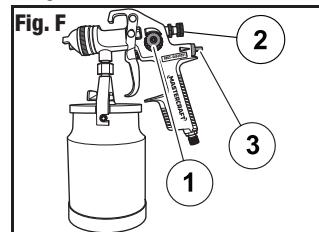


- Close the canister (1) by turning the lid (2) clockwise. Turn the lid tightly until a click sound (Fig. B).
- Attach the gun (1) to the canister (2) filled with paint, by firmly holding the canister (Fig. C).



- Tighten the nut (1) connecting the gun and canister, by rotating it clockwise using the wrench provided (Fig. D).
- Now the spray gun is ready for use.

- Plug in compressor, turn on, set the pressure regulator to 40 PSI (2.8 bar), and attach one end of the air hose to the compressor and the other end of the air hose (1) to the air tool (2) (Fig. E).
- Mixing and thinning of paint should be performed in accordance with the paint manufacturer's instructions. Most materials readily spray if thinning is properly performed.
- Test the consistency of the paint by making a few strokes on a cardboard target. If the stroke appears to be very thick, add a small amount of thinner. Do not exceed the thinning limits recommended by the paint manufacturer.

**Adjustments**

The siphon-feed spray gun has a pattern adjusting knob (1), a paint adjusting knob (2), and an air adjusting knob (3) which are regulated to obtain desired pattern, to control output volume of paint, and to obtain fine atomization, respectively (Fig. F).

SPRAY PATTERN ADJUSTMENT

Rotate the pattern adjusting knob in clockwise direction to form a circular spray pattern, and rotate the knob in counter-clockwise direction to form an elliptic spray pattern.

PAINT ADJUSTMENT

Rotate the paint adjusting knob clockwise to reduce the output volume of paint, and rotate the knob in counter-clockwise direction to increase the output volume of paint.

AIR VOLUME ADJUSTMENT

Rotate the air adjusting knob clockwise to reduce the output volume of air and rotate the knob counter-clockwise to increase the output volume of air.

Note: Always thin the paint with care.

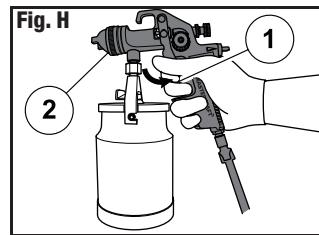
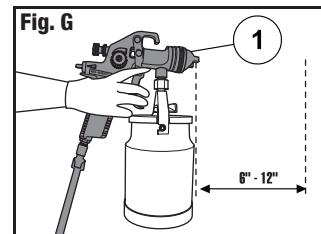
**CAUTION!**

Potential hazard that may result in moderate injury or damage to equipment.

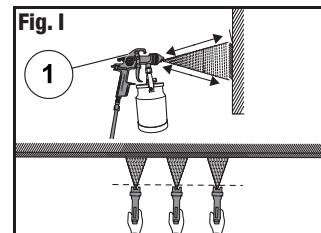
- Do not exceed the thinning recommendations of the original manufacturer of the paint. Failure to comply may result in moderate injury or damage to equipment.

Operation

1. Hold the gun (1) in such a way that the nozzle is approximately 6 to 12" (15 to 30 cm) from the work surface, perpendicular to spraying area (Fig. G).



2. Squeeze the trigger (1) of the spray gun (2). Start moving the gun before pressing the trigger and release the trigger before stopping the gun movement at the end of each stroke. This procedure will blend each stroke with the next without any overlap or unevenness (Fig. H).
3. Move the gun (1) at a constant pace in parallel direction for spraying, maintaining uniform distance from the surface to be painted (Fig. I).
4. Repeat the strokes until a uniform coating is formed.

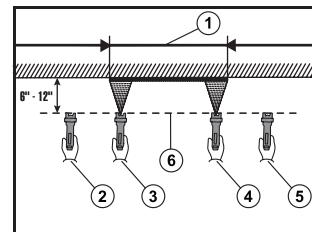


Note: Use a piece of cardboard as a shield to capture the loss of spray paint at the ends of the workpiece to protect the other surfaces from being painted.

- The speed of stroke, the distance from work surface, and the adjustment of paint adjusting knob vary the amount of paint being applied.

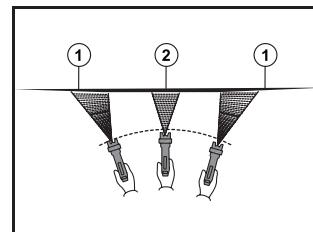
DO'S

Always move the gun in parallel direction.



1. Uniform coating region
2. Stroke starting position
3. Trigger pressing position
4. Trigger releasing position
5. Stroke stopping position
6. Gun movement path

Do not press the trigger with the gun at inclined position.



1. Improper/thin coating region
2. Uniform/thick coating region

Note: Two thin coats of paint, rather than one thick layer, will yield better results and have lesser chance of runs.

CAUTION!

Potential hazard that may result in moderate injury or damage to equipment.



- Do not stop the sprayer movement in between, which will cause a build-up of paint and result in runs.
- Do not fan the gun while painting. This will cause a build-up of paint in the centre of the stroke and an insufficient coating at the ends. Failure to comply may result in moderate injury or damage to equipment.

MAINTENANCE REQUIRED	DESCRIPTION	TOOLS OR MATERIALS REQUIRED	MAXIMUM SERVICE INTERVAL		
			Each Use or Every 2 Hrs.	Monthly	As Needed
General inspection—free movement	Trigger, spring, safety mechanism	None	X		
In-depth inspection	Worn or broken parts			X	X
Replace worn or broken parts					X
Lubrication		Pneumatic tool oil	X		

- Pour out the remaining paint into another container.
- Disassemble the Mastercraft® Air-powered Siphon-feed Spray Gun.
- Clean all paint passages, nozzle, and other components using a brush dipped in cleaning solvent.
- Reassemble the spray gun and spray small quantity of solvent in the paint passages to remove any paint residue.

Storage

- Rotate the paint adjustment knob in counter-clockwise direction and open the knob when the gun is not in use. This will reduce spring tension on the needle fluid tip.
- Clean the Mastercraft® Air-powered Siphon-feed Spray Gun thoroughly and slightly lubricate it, after using and before storing.

CAUTION!

Potential hazard that may result in moderate injury or damage to equipment.



- Ensure that the needle is removed before disassembling the nozzle to avoid damage to the nozzle closure housing. Failure to comply may result in moderate injury or damage to equipment.
- Incomplete or improper cleaning could cause function failures and a degradation of the tool. Failure to comply may result in moderate injury or damage to equipment.

WARNING!

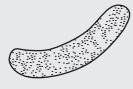
Potential hazard that could result in serious injury or loss of life.



- Do not use metal or other objects that could damage the holes in nozzle and cap.
- Never immerse the spray gun completely in solvent.
- Do not use components or parts that are not recommended. Failure to comply could lead to serious injury or loss of life.

Troubleshooting

The following chart lists common issues and solutions. Please read it carefully and follow all instructions closely.

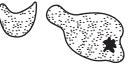
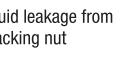
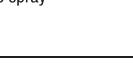
PROBLEM	POSSIBLE CAUSES	SOLUTIONS
	1. Paint level inside the canister is too low. 2. Canister is not placed on a planar surface. 3. Fluid inlet connection is loose. 4. Fluid tip/seat is loosened or damaged. 5. The fluid needle nut is dry or the round nut is loose. 6. Air vent is clogged.	1. Add paint inside the canister. 2. Place the canister on a planar surface. 3. Tighten the connection. 4. Adjust or replace. 5. Lubricate the fluid adjustment needle and/or tighten the round nut. 6. Clear the vent hole.
	1. Fluid nozzle is worn or loose. 2. Paint has built up on air cap.	1. Tighten or replace fluid nozzle. 2. Remove obstructions from holes, but don't use metal objects to clean it.
	1. Paint has built up on air cap. 2. Fluid nozzle is dirty or worn.	1. Clean or replace air cap. 2. Clean or replace fluid nozzle.
	1. Paint is too thin or not sufficient. 2. Atomization air pressure is too high.	1. Regulate paint viscosity. 2. Reduce air pressure.

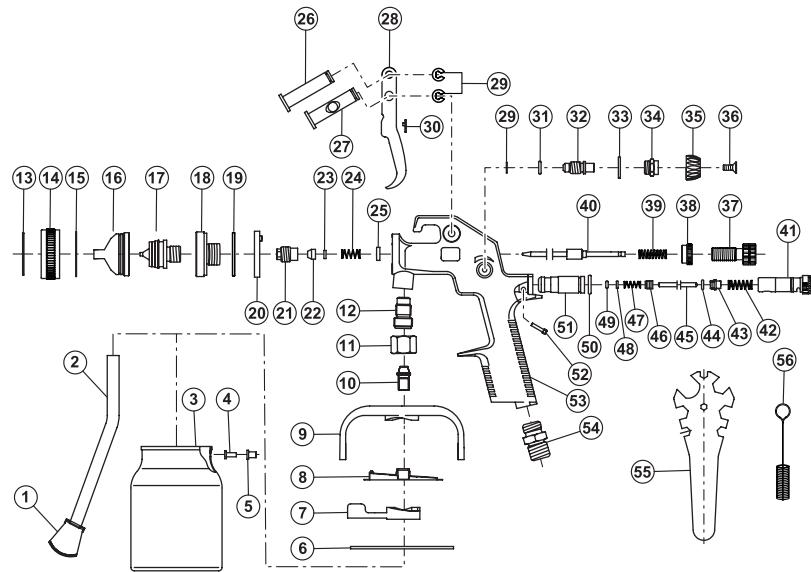


WARNING!

Potential hazard that could result in serious injury or loss of life.

- If any of these symptoms appears while the tool is in use, turn it off and disconnect it from the air supply immediately. Failure to heed this warning could result in serious personal injury.
- Disconnect electrical plug and air supply from the tool before making any adjustments.
- Repairs must be performed by a qualified service technician only.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
	1. Paint is too thick. 2. Atomization air pressure is too low.	1. Regulate paint viscosity. 2. Increase the air pressure.
	1. Air valve stem is stuck. 2. Air valve or seat is contaminated. 3. Air valve or seat is worn or damaged. 4. Air valve spring is broken. 5. Air valve stem is bent.	1. Lubricate the air valve stem. 2. Clean the air valve or seat. 3. Replace the air valve or seat. 4. Replace the air valve spring. 5. Replace the air valve stem.
	1. Packing nut is loose. 2. Packing nut is worn or dry.	1. Tighten the packing nut, but do not restrict needle. 2. Replace or lubricate the packing nut (use non-silicone oil).
	1. Atomization pressure is too high. 2. Work surface is too far. 3. Improper stroking (arcing, gun motion too fast).	1. Reduce pressure. 2. Adjust to proper distance. 3. Move at moderate pace, parallel to work surface.
	1. No pressure in gun. 2. Fluid control is not properly opened. 3. Fluid is too heavy.	1. Check air lines. 2. Open fluid control. 3. Thin fluid or change to pressure feed system.



No.	Description	Qty.	No.	Description	Qty.
1	Filter	1	27	Trigger pin II	1
2	Paint straw	1	28	Trigger	1
3	Canister	1	29	Snap retainer	3
4	Pin	2	30	Trigger washer	1
5	Pin sleeve	2	31	O-ring 6 x 2	1
6	Washer	1	32	Pattern adjusting bolt	1
7	Handle	1	33	Brass washer	1
8	Anti-leaking washer	1	34	Pattern adjusting bolt seat	1
9	Hanger	1	35	Pattern adjusting nut	1
10	Paint inlet plug	1	36	Bolt M4 x 7	1
11	Nut	1	37	Paint adjusting bolt	1
12	Paint inlet seat	1	38	Paint adjusting nut	1
13	Air cap retainer	1	39	Needle spring	1
14	Round nut	1	40	Needle	1
15	Air cap washer	1	41	Fluid adjusting knob	1
16	Air cap	1	42	Trigger spring	1
17	Nozzle	1	43	Valve stopper	1
18	Nozzle housing	1	44	O-ring 4.5 x 1.8	1
19	Washer	1	45	Valve stem	1
20	Washer	1	46	Hex bolt	1
21	Position bolt	1	47	Compressed spring	1
22	Needle sealing washer	1	48	Brass washer	1
23	Washer	1	49	O-ring 2.5 x 1.2	1
24	Compressed spring	1	50	O-ring 9 x 1.2	1
25	Washer	1	51	Valve seat	1
26	Trigger pin I	1	52	Bolt	1
53	Gun body	1	55	Wrench	1
54	Air inlet plug	1	56	Brush	1

If any parts are missing or damaged, or if you have any questions, please call 1-800-689-9928.

3-Year Limited Warranty

This product is guaranteed for a period of three (3) years from the date of original retail purchase against defects in workmanship and materials, except for the following component:

Component A: Accessories, which are guaranteed for a period of one (1) year from the date of original retail purchase against defects in workmanship and materials.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any costs of labour relating thereto.

These warranties are subject to the following conditions and limitations:

- a) A bill of sale verifying the purchase and purchase date must be provided.
- b) This warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect, or lack of proper installation, operation, or maintenance (as outlined in the applicable instruction manual or operating instructions), or which is being used for industrial, professional, commercial, or rental purposes.
- c) This warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.
- d) This warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups, or adjustments.
- e) This warranty will not apply where damage is caused by repairs made or attempted by others (i.e., persons not authorized by the manufacturer).
- f) This warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing).

- g) This warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons.
- h) This warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, or abrasives and chemical cleaners.
- i) This warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential, or exemplary damages arising in connection with the sale, use, or inability to use this product.

Notice to consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim, or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

Made in China

Imported by Mastercraft Canada Toronto, Canada M4S 2B8