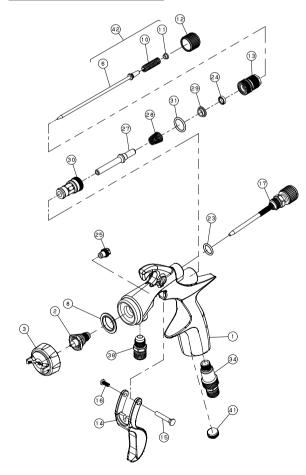
meiji	Inc	tructior	Man		FIN	IER-FORCE	Hand Spray Gu
Symbol Marking on the Spray Gun:	 	uction	i wall	Idi			
	(CE)	Ð	п	2	G	Exh	x
This MEIJI AIR spray gun complies with 2014/34/eu Directive relating to equipment and protective systems intended for use in explosive potentially atmospheres.	Complies with European Directive	Specific Marking for Explosion Protective	Group II (Surface)	Z Category (Zone 1&2)	Type of Atmosphere (GAS)	Ignition Protection (not applied)	Additional conditions Any static Electricity should be discharge and needs to be diverted to the grour via a conductive air
Thank you for purchasing	g MEIJI Han	d Spray Gun					hose not included.
		Befo	ore Using	g this Pro	duct		
To ensure safe and proper use of th After reading this operation manual To lend or transfer this product, atta If this operation manual is lost or de To improve the product quality or per he illustrations may be different from I you have any question or comme	ach this operation amaged, immedia erformance or to e those of the actu	re to read through the for your quick reference manual to the proof tely order a new on ensure safety, the product.	his operation ma ence whenever r luct. e from our autho arts used in the	nual, and understa required. prized dealer or dis product are subject	and the contents of the stributor. t to change. In this c	ase, note that the des	
	AUTION	or neglectin		ate precautio			handling manne ath, and/or serio
Fire and Explosion							
 Chemical reaction with the sc incompatible solvent: methylichloroethane, etc. Before using a special paint c Connect ground cable. Ground spray gun securely. f If spray gun is not securely gind to the solution of the solu	I chloride, eth, or paint thinner For example, u rounded, it ger nan Body n. ure to select a ' an airtight room and protective ork, always we a hazard, if the and gloves. ear ear plugs noise level of 8 during spray s' during long-f g of Equi ward people, toward	vi chloride, meti , thoroughly che se hose with gro- terates sparks o vell ventilated p or insufficiently ogear. ar appropriate cl paint touches e for health and 0 dB (A) or high- work. ours of work ma pment or animals. t in inflammatior rating pressure t in inflammatior rating pressure it may accident compressed air. spection of spray. it may accident tompressed air.	hylene dichlo ick if the mate bund wire. If static electri lace with a bo ventilated pla lothes and pro yes or the sk safety. er depending hy cause tend no operating p r gun, or during ally work, or of paint and pai le during ma	ride, ethylene c rial is compatib city, causing a f oth. cce, you may su btective gear (g in. Check the p on the use con ovaginitis. d the skin, or oth ressure (0.69 M a halt of spray v xleaning solvent nt thinner to sp	lichloride, carbo le or not. îre and explosion Iffer poisoning ca oggles, G-7-04 n aint and solvent dition or work en her hazard to hun IPa). vork, be sure to re t may spatter, ca	n. nask, and gloves) being used. Duri vironment. man body. lease compressed using a hazard to	solvent, or a risk fac ng spray and clean
Other Precautions 1. Do not modify the product. Do not modify spray gun.							

4. List of Components

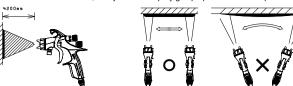


No.	Name	Qty.
1	Body	1
2	Paint nozzle	1
3	Air cap set	1
6	Needle valve set	1
8	Baffle plate	1
10	Needle spring	1
11	Spring insert	1
12	Paint adjusting screw	1
13	Needle cylinder	1
14	Trigger	1
15	Trigger pin (for resin)	1
16	Trigger screw	1
17	Pattern control valve set	1
23	O-ring S10 FKM	1
24	U packing P6	1
25	Needle packing screw set	1
27	Air valve	1
28	Air valve spring	1
29	Trigger stopper	1
30	Valve seat set	1
31	O-ring S12.5 FKM	1
34	Air volume control valve set	1
38	Hexagon nipple 1/4×M11G	1
41	Hexagon socket headless screw M12×1	1
42	Needle valve spring set (with spring insert)	1
Accessory	Identification ring / spanner set	1

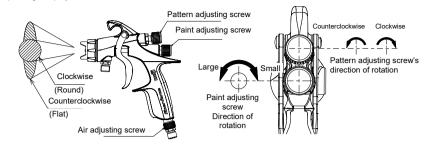
1. Operation Procedure

1. Mount a paint cup and an air hose to the spray gun by using a spanner or other tool.

- 2. The appropriate spraying pressure is between 0.15 and 0.25 MPa. However, this value varies depending on the viscosity and properties of the paint, and the working conditions. DO NOT use the spray gun above the stipulated maximum working pressure (0.69 MPa).
- 3. Appropriate spraying distance is between 150 mm to 250 mm. If the spraying distance is too short, or if you spray paint while moving the gun in a circular motion, a good result cannot be achieved.
- 4. To achieve a uniform result, always hold the spray gun perpendicular to the paint surface.



- 5. Tightening the air volume adjusting screw clockwise will decrease the air volume, and loosening the air volume adjusting screw counterclockwise will increase the air volume.
- 6. If you tighten the pattern adjusting screw by turning it clockwise completely, paint is sprayed in a spot pattern. As you loosen the pattern adjusting screw by turning it counterclockwise, the spray pattern area gradually increases. When you rotate the screw approximately three times,
- The pattern area becomes the maximum. Adjust the spray pattern area gradually increases. When you rotate the spray work step and the type of paint being used.
 If you tighten the paint adjusting screw by turning it clockwise, the spray volume decreases. As you loosen the screw by turning it counterclockwise, the spray volume gradually increases. When you rotate the screw three to four times, the spray volume becomes the maximum. Set the paint volume depending on spray work conditions.



2. Maintenance and Inspection

- Clean and lubricate the spray gun every day to maintain it in the best operating condition.
 Wipe dust off the spray gun body with a cloth damped with a solvent. Soaking the spray gun in solvent will not only remove lubrication, but also lead to painting problems due to adhering objects entering into the air circuit. We shall not be liable for any problems resulting from the use of a gun cleaner that causes dust or paint waste to enter the air circuit of paint nozzle or air cap.
- 3. After using the spray gun, be sure to clean it with a clean solvent.
- 4. To clean the cup, remove excess paint and pass an appropriate solvent through the cup to wash off residual paint.
- 5. Using the spray gun for painting while cleaning solvent is in the gun or cup, or while paint waste, dirt, etc. are in the paint circuit will result in a painting failure
- 6. After disassembling the air cap set (3) and paint nozzle (2), clean them with a brush. When disassembling the paint nozzle, be careful not to damage it.
- 7. To clean the paint circuit, spray a small quantity of solvent in the same manner as spray work.
- 8. Be sure not to damage each hole of the air cap set (3), and the center hole and tip periphery of the paint nozzle (2).
- 9. If the needle valve set (6) or air valve (27) malfunctions, apply a small quantity of oil (non-silicone oil) to the sliding part from the outside. 10. Always remove any remaining water after cleaning, as failure to do so can cause rust.
- 11. Do not soak the entire spray gun and the air cap set (3) in liquid such as solvent (cleaning solution). Soaking them for a long time will damage their components

3. Specifications

Model	Paint feed system	Paint nozzle bore mm	Applicable	Spraying distance mm		Air consumption L/min	Paint spraying volume mL/min	Maximum effective pattern mm	Connection bore	Weight g
FINER-FORCE -P08		0.8				220	185	220		
FINER-FORCE -P10	Pressure	1.0	P TYPE	200	0.2	220	255	270	G1/4 (Air/paint)	325
FINER-FORCE P13		1.3				200	345	320		

* The paint viscosity values are equivalent to 20 seconds for the lacquer enamel paint using Meiji V-1 viscosity cup.

5. Parts Replacement

Before replacing spray gun parts, remove residual paint, and then clean the spray gun. Then, release air pressure from the spray gun, and remove the air hose and paint cup.

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To repair the spray gun, place it in a clean level place, and wear protective goggles. For parts replacement, use the specified appropriate tools. • Replacement of paint nozzle and needle valve set (It is recommended that these parts should be simultaneously replaced.)

- 1. Remove the paint adjusting screw (12), and pull out the needle valve spring set (42) from the spray gun body.
- 2. Remove the air cap set (3)
- 3. Remove the paint nozzle (2) by using spanner 17 or socket wrench 17.
- 4. Tighten the paint nozzle (2) at a tightening torque of 10 N m by using a torque wrench. Please be careful of the directions of baffle pla
- Replacement of the air volume control valve set
- 1. Remove the air volume control valve set (34) with spanner 13.
- 2. Apply anaerobic sealing agent to the screw tip and tighten the screw
- Replacement of the pattern control valve set
- 1. Before disassembling or assembling the pattern control valve set (17), turn the knob counterclockwise completely to loosen it. • Replacement of the valve seat set, air valve, air valve spring, trigger stopper, and needle cylinder
- 1. Remove the paint adjusting screw (12), and pull out the needle valve spring set (42) from the spray gun body.
- 2. Remove needle cylinder (13) using socket wrench 12.
- 3. Remove the trigger stopper (29), air valve spring (28), and air valve (27) from the spray gun body. 4. Remove the valve seat set (30) by using hexagon wrench 10 so as not to damage the seat surface which makes contact with the air valve (27).
- (Do not use a ball-point hexagon wrench. This rule applies for the replacement below)
- 5. Tighten the valve seat set (30) by using hexagon wrench 10 until the seat touches the spray gun body. Then, re-tighten the seat lightly 6. Insert the air valve (27) until it reaches the innermost end so as not to damage the seat surface. Then, insert the air valve spring (28) and trigger stopper (29).

7. Tighten the needle cylinder (13) with socket wrench 12.

• Replacement of the needle packing screw set

- 1. Remove the needle packing screw set (25) using the supplied spanner 7.
- 2. Tighten the needle packing screw set (25) using the supplied spanner 7.

6. Failure Causes and Corrective Actions

Symptom	Cause(s)	Corrective action
aint cuts out	Lack of paint in the paint container	Refill paint.
	The paint circuit is clogged.	Clean with solvent.
	The screw or paint nozzle (2) at the paint circuit connection is loose, or the taper seat area is damaged.	Tighten or replace.
	The needle packing screw (25) is loose or worn.	Tighten or replace.
mbalance	The square hole in the air cap (3) is partially clogged or damaged.	Clean or replace.
	Paint or dirt is adhering to the tip periphery of the paint nozzle (2).	Clean or replace.
Crescent	The square hole in the air cap (3) is partially clogged or damaged, or paint or dirt is adhered to the inside of the center hole, or it is damaged	Clean or replace.
	Paint or dirt is adhering to the tip periphery of the paint nozzle (2).	Clean or replace.
hick in the	The bore of the paint nozzle (2) has been worn out and is larger.	Replace.
niddle	Spraying pressure is too low.	Increase air volume and pressure.
Ŵ	Viscosity is too high.	Reduce viscosity.
arrow in the	Spraying pressure is too high.	Reduce air volume and lower air pressure.
niddle	Dirt or paint is adhering to the gap between the center hole of the air cap (3) and the periphery of the paint nozzle (2).	Clean.
Paint leakage from the	The needle packing screw set (25) is loose,	Adjust the needle packing screw (25).
eedle packing screw	or worn.	Replace.
luid leakage from the	The paint nozzle (2) and needle valve set (6) are worn or damaged.	Replace.
ip of the paint nozzle	The needle packing screw set (25) or the needle valve set (6) is stuck. The needle packing screw set (25) has been improperly adjusted.	Lubricate. Adjust.



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