

和文取説は、裏面にあります

INSTRUCTION MANUAL (For Overseas Sales)

This manual contains IMPORTANT WARNINGS and INSTRUCTIONS.
Read and understand the instruction manual before use and retain for reference

PROFESSIONAL

AIRBRUSH



HP-TH,TH2

△ WARNING Be sure to observe important items especially those shown by the marks below Inadvertent jetting of paint or inhalation of organic solvents can cause serious bodily injury Be sure to observe warnings, cautions and instructions in this instruction manual Indicates a potentially hazardous situation which, if not avoided, may result in

A CAUTION Important Indicates notes which we ask you to observe. Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage

serious injury or loss of life

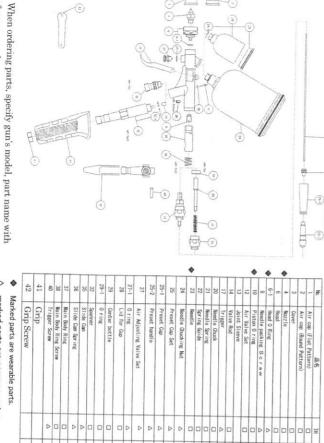
performance and functions of the equipment. They are helpful to achieve full

Specifications

	0.2	130	0.6	Pattern		UL.IHZ
)	15	0.5	Flat(Kound)	CILTANTI	TIL TIL
	Transcorrent Frat of			TH (7) IN	CDATTORY	HP-TH
	PRESSIBE MP.	[m]	φ[mm]		CHER	
NOTE	MAX AIR	CUP	FLUID NOZZLE	PATTERN	TIPE OF	MODEL
				DA TITOTA	TO STOWN	MODEI

ng valve controls the amount of air flow

PARTS LIST



Marked parts are wearable parts.

□ ■ marked parts are model specific parts. marked parts are common parts.

Warnings for safe operation

Fire or explosion hazard

Painting job site must be free of open flames

*Paint is flammable and combustible (organic solvent base paints such as lacquer or ceramic varnish)

2. Never use the following halogenated hydrocarbon solvents which can cause *Never expose to flammable materials such as cigarettes or electrical equipment

cracks or dissolution on airbrush body.

*Improper solvents: methyl chloride, ethyl chloride, ethylene We are ready to supply details of materials used in the airbrush on request.) 1.1.1 trichloroethylene, etc .(Be sure that all fluids and solvents are compatible with airbrush parts. dichloride, methyl dichloride, carbon tetrachloride, trichloroethylene,

1. Never point airbrush in the direction of people body or animals except isuse nazard

2. Never exceed max. operating pressure of airbrush. If done, airbrush can explode cause inflammation of the eyes or skin, or cause other physical injury. when using exclusive fluids such as body painting or nail art. If done, it can

3. Always release air pressure before cleaning, disassembling or servicing. If not, remaining pressure can cause injury by the splashing of cleaning liquid or other misuse. In order to release pressure, stop supply of compressed air to airbrush and slightly Pull the trigger and cause injury or physical injury or death

Hazard to human body

. Use airbrush in areas which are well-ventilated by an exhaust fan If not, injury will occur through the inhalation of fluid, and danger of ignition

2. Always wear protective clothing or gear (eyewear, gloves, respirator, etc.). cause inflammation. If you feel something is wrong with your eyes or skin, see a doctor immediately If not, cleaning liquid, etc., will come into contact with your eyes or skin and

2. Never use for food industry or chemicals. If done, it can cause an accident due to corrosion of paint passage or health Never alter airbrush. If done, it can cause failure and poor performance.

How to operate

problem due to inclusion of foreign matter.

Connection

CAUTION

Use clean compressed air which is filtered through an air filter.

Dirty air can cause painting failure.

When you use for the first time after unpacking, (dented finishing) remaining anti-corrosive oil inside fluid passage. Remaining oil can cause painting failure such as fish eye clean inside with cleaning liquid in order to remove

Firmly fasten air hose and fluid cup to airbrush.

If not done, disconnected hose or falling cup can cause physical injury.

 Use slender and exclusive air hose for airbrush such as Ø 2 x 4mm tube, etc.
 Use air pressure at around 0.10~0.20 MPa. Use air regulator to get stable air pressure. Use air filter to remove moisture, oil and dust in air.

HPA·LJ (Long Joint) maybe purchased as an optional parts for better grip of the airbrush

No. and marked No. of air cap set, fluid nozzle and fluid needle

Spraying

- Filter color material with fine filter paper (cloth), or pigments may clog nozzle. Never damage nozzle cap or nozzle. If done, it will adversely affect atomization.
- · Do not mix different color material (example: paint and dyestuff).
- If done, the viscosity will increase and cause malfunction.
- 2) Pour small amount of paint material in the paint reservoir for test spraying. While testing, 1) Before spraying, loosen needle chucking nut and gradually push needle inwards till needle touches nozzle, and then retighten needle chucking nut. Pour cleaning liquid into cup and clean fluid passage.
- make adjustment to the material flow, air flow and a pattern size. ~How to Adjust~
- Set the operating air pressure to approximately $0.1 \sim 0.15 \text{MPa. or} \{1.0 \sim 1.5 \text{kg} \text{fcm}\}$
- The pressure setting may vary according to the viscosity of the paint material being used. Allow $100 \sim 200$ mm, from the surface while using a fan pattern cap. Allow $1 \sim 200$ mm. While Using a round pattern cap.



further for paint to flow. air will flow and pull the trigger

Maintenance after Painting

Maintenance

AN WARNING

- Always completely release pressure before maintenance in accordance with warning of safe operation on page 2. If not done, remaining pressure can cause injury by the splashing of cleaning liquid or other misuse.
- The operator must be fully conversant with the requirements in this manual and have sufficient knowledge and experience.
- *Pay full attention to the sharp tip of needle in order to avoid injury.

Maintenance procedure	Important
 After operation, be sure to empty fluid cup and spray water or cleaning liquid for cleaning. Then close tip of nozzle cap with finger and 	 After operation, be sure to empty fluid cup and spray water or cleaning liquid for cleaning. *Then close tip of nozzle cap with finzer and and particles.
pour water or solvent into cup. Then if you push main lever, air flows backward into nozzle	*Be careful with handling of the tip of needle and nozzle since they are very weak.
which works like gargling.	2. Never immerse the whole airbrush into liquid such as
2. Pull out needle and remove foreign matter. Clean needle and insert it till it touches nozzle.	*Immersion for a long time can damage O ring or
Clean other parts with attached brush soaked	packing.
with cleaning liquid and waste cloth.	*Never damage holes of nozzle cap, nozzle, or needle.
	If done, it can influence atomization adversely.
 Fully clean fluid passage before disassembly. 	3. Remove fluid nozzle while pulling needle with main lever
	pulled (toward you), in order to protect seat section

• Inspection

Where to inspect	When to replace parts
1. Each hole passage of cap and nozzle *Replace if damaged or deformed.	*Replace if damaged or deformed.
2. Packing or o rings	*Replace if damaged or worn out.
3. Seat section between nozzle and	3. Seat section between nozzle and *Replace if there is still leakage even after you clean nozzle and needle.
needle for leakage	If you replace nozzle or needle
	only, first match up nozzle and needle to see if there is any leakage.
	*When replacing nozzle, use exclusive tool and gradually tighten. Use of
	other tools can cause breakage of thread or incomplete centering.

R1: retighten R2: adjust R3: clean R4: replace parts

Problems	Place of	Where to check	Causes	Remedies	edies		
	problem			R1	R1	R1	RI
Paint leaks	tip of brush	fluid nozzle~	dirt, damage, wear on seat			0	0
		fluid needle	insufficient nozzle tightening	0			
		needle spring~	wear on needle spring				0
		needle spring case	loose needle packing screw	0			
		needle ~ fluid needle	needle does not return due to paint				
		packing screw	buildup on fluid needle.		C	C	
		need~needle chucking nut	loose needle chucking nut	0			
	main lever	needle packing	damage to or wear on fluid needle packing				0
		needle packing screw	loose needle packing screw	0			
Paint does not	tip of air	fluid nozzle	clogged		0		
COLLE OUL.	DIMSII	needle chucking nut	insufficient tightening	0			
		needle cap~nozzle cap	dirty needle and nozzle cap			0	
		Needle	2				

• ROUBLESHOOTING

Spray Pattern	Problems	Remedies
1. Air enters betwe gun body.	en fluid nozzle and tapered seat of	1. Air enters between fluid nozzle and tapered seat of 1. Remove fluid nozzle to clean seat. gun body. If it is damaged, replace nozzle.
Fluttering 2. Air is suctioned	2. Air is suctioned from fluid needle packing.	2. Tighten fluid needle packing.
1. Paint buildup on Air pressure fror	Paint buildup on air cap partially clogs horn holes. Air pressure from both horns differs.	Remove obstructions from horn holes. But do not use metal objects to clean horn holes.
I. Paint buildup on a air cap center hole Inclined 2. Loose fluid nozzle	1. Paint buildup on air cap partially clogs horn hole or air cap center hole, or causes damage. Replace if damaged. Loose fluid nozzle. Remove fluid nozzle	1. Remove obstructions. Replace if damaged.
Split 2. Fluid output too high.		Remove fluid nozzle and clean.
Heavy Center 2. Fluid output too low.	o low. nigh.	Remove fluid nozzle and clean. Add paint to increase viscosity. Adjust fluid adj, knob or pattern adj.
	o low. nigh. o high.	Remove fluid nozzle and clean. Add paint to increase viscosity. Adjust fluid adj. knob or pattern adj. Reduce viscosity. I.Reduce viscosity.

Please contact your local Anest Iwata agent for inquiries.



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