

INSTRUCTION MANUAL

ARF – 800 P

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Professional model of auto rivet feeder to install blind rivets.

- Thank you very much for purchasing “LOBSTER” auto rivet feeder. To ensure correct operation, please carefully read this instruction manual and keep it in a safe place for later reference.
- This is Original instructions.

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● INTRODUCTION

- This machine is a feeder to supply “LOBSTER” brand blind rivets to a vacuum type air riveter. It is not designed, produced or sold for any other purpose.
- This instruction manual shows how to operate and perform maintenance and inspection in order to use safely and efficiently.
- Use appropriate blind rivet which are fully designed and examined to there specification and strength.

1 IMPORTANT NOTICES

- Read this manual carefully before using this machine. Follow instructions in this manual for handling this machine, replacing accessories or replacing parts as needed.
- If you have any questions about this manual, check the model (type) and contact the “LOBSTER” dealer where you purchased the machine.
- It is impossible to foresee all potential dangers and describe them in this manual. You must use this machine paying attention to safety as well as observing the instructions in this manual.
- This manual is translated from Japanese, its original language. It is your own responsibility to achieve a full understanding of the contents of this manual before using the equipment described.
- Lobtex Co., Ltd. has the copyright of this manual. It is prohibited to publish, copy or translate to other language without prior consent.

2 INDEMNIFICATION

- Our warranty does not apply to direct and indirect damages and lost income caused by the misuse, abuse, and unauthorized modification of the machine.
We do not guarantee the strength or quality of blind rivet.
- We do not guarantee any damages and failures caused by any modifications without our written approval.
- We do not guarantee any damages and failures caused by use of parts other than our recommendation.

● IMPORTANT SAFETY INSTRUCTIONS



- ◆ Be sure to read the following Important Safety Instructions carefully and make sure that you understand them thoroughly before using this machine.



- ◆ Always wear protective goggles while using the machine.
The rivets may jump out by accident and cause injuries.



- ◆ Do not put your hands in the machine or close to the moving parts while you are using the machine. Otherwise your hand may be caught and injury may result.



- ◆ This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

- ◆ These Important Safety Instructions are divided into **⚠ WARNING** and **⚠ CAUTION**.
The differences between these two levels are described below.

⚠ WARNING : Indicates a potentially hazardous situation which, if ignored, may result in death or serious injury to the operator.

⚠ CAUTION : Indicates a potentially hazardous situation which, if ignored, may result in moderate injury to the operator or physical damage.

Moreover, failure to follow the instructions marked with the **⚠ CAUTION** symbol or cautions without a **⚠ CAUTION** symbol which appear in the text of this manual may also have serious results in some cases. Always be sure to observe the instructions given in the Important Safety Instructions.

- ◆ After reading this manual, keep it in a safe place where it is easily accessible to machine users.

⚠ WARNING

1. The air pressure should be kept within the range of 0.5 to 0.6 MPa.

- If an air pressure which is greater than this is used, the machine may become damaged, and injury or damage to property may result.

2. Always wear protective goggles while you use the machine.

- The rivets may jump out by accident and cause injuries (e.g. blindness).
- Use a dust mask, safety shoes, hard hat and hearing protector appropriately to prevent accidents and injuries.

3. Make sure that the machine and the air source, power cable are connected securely.

- Insert the air tube into the inner side of the air joint of the air supply port securely before use, or the air tube may become disconnected during use, leading to injuries.
- Use hose bands to securely connect the air hose joint and air hose. If they are not securely connected, the air hose may become disconnected during use and injury may result.

4. Turn off the air supply before disconnecting the machine from the air source.

- Compressed air may cause the air hose to whip around and injury may result.

5. Prior to use, check for damage to respective parts, and ensure that all parts are able to operate normally and provide the functions specified. If they are unable to operate normally or provide the functions specified, do not use them, but arrange for a repair by a competent person.

- If the machine is used while any parts are damaged, injury may result.
- If the machine is damaged by objects being dropped onto it, the damaged part may break and accident or injury may result.
- When replacing or cleaning parts, observe the instructions in the instruction manual. If you cannot find the relevant instructions in the manual, arrange to have the repair carried out by the supplier you purchased the product from, or by Lobtex.
- If there is no power to the equipment even though the power switch is turned on, or the machine cannot be started when the start button is pressed, do not use the machine. Otherwise, it may operate abnormally, causing injuries.

WARNING

6. Place the machine on a level and stable surface, free from vibration.
 - Otherwise, the machine may not be able to achieve performance as specified, or it may be dislodged, leading to breakage, injury, or damage.
7. Keep the machine away from children.
 - Accidents or injury may result.
8. Do not use the machine in rain or in a wet place.
 - Accidents or injury may result.
9. Avoid a sudden start of the machine. Before connecting it to the power supply, confirm that the switch is not turned on. Confirm that the air valve is closed before connecting the air tube to the air joint on the air supply port.
10. When replacing parts or accessories, follow the steps specified.
11. Be sure to use the provided AC adapter for the power supply.
12. Wear clothes appropriate for work. Cover long hair with a cap or hair cover.
 - Do not wear loose clothes or accessories including necklaces.
 - Otherwise, your hair, clothes, or accessories may be caught in the machine.
13. Do not use the machine if it cannot be started or stopped using its switches.
 - Otherwise, it may operate abnormally, leading to injuries. Arrange for a repair by a competent person.
14. Keep the machine away from children. Prevent anyone except for workers from touching a power cable or an air hose.
 - Otherwise, it may lead to injuries.
15. Check thoroughly for damage to the machine. If any loose or damage to parts are found, do not use the machine, but arrange for a repair by a competent person.
 - Failure to perform this step may lead to accidents or injuries due to malfunctions.
16. Use specified accessories or replacement parts only.
 - Otherwise, unexpected motion of the machine may be caused, leading to accidents or injuries.
17. Use specified genuine parts only, and only allow persons having technical knowledge and skills to repair the machine.
 - If no such competent person is available, arrange to have a repair carried out by the supplier you purchased the product from or by Lobtex.
18. If the machine is faulty or any abnormal noise is heard while in use, immediately turn off the switch to stop it, and arrange to have a repair carried out by the supplier you purchased the product from or by Lobtex.
 - Continued use of the equipment may cause injuries.

CAUTION

1. Before starting maintenance or disassembling the unit to replace part, be sure to take off air hose and power cable.
 - By unexpected action such like parts jumps out may cause accidents.
2. When you handle oil or grease, obtain the safety data sheet (SDS) from the supplier, and follow the described instructions.
 - Some types of oil may cause inflammation of your skin. If your skin is in contact with oil, you should immediately clean your skin thoroughly.
3. The parts to be used must be those supplied from Lobtex or recommended by Lobtex.
 - Select and attach parts applicable to your rivet.
 - Otherwise the unit may not produce maximum performance and may malfunction resulting in an accident or personal injury.
4. Make sure that the workplace is safe, clean and organized.
 - Accidents can easily occur in untidy workplaces.



CAUTION

5. Ensure sound footing and do not work in an unnatural posture.
 - You may fall and injure yourself.
6. Keep people who are not involved in work away from the workplace.
 - Accidents or injury may result.
7. Maintain the machine with proper care.
 - Refer to the Instruction Manual for details on replacing parts and attachments, otherwise injury may occur.
8. Use the machine carefully and concentrate on correct operation at all times.
 - Use the machine with proper care, paying full attention to methods of handling and operation and surrounding conditions. Accidents and injury may result if this practice is not followed.
 - Use common sense at all times, otherwise accidents or injury may result.
 - When you are tired, do not use the machine, otherwise accidents or injury may result.
9. Ask Lobtex to carry out any repair work required.
 - If you find any fault, arrange to have an inspection and a repair.
 - Repair work should only be carried out by a qualified technician. Please contact your nearest "LOBSTER" distributor, representative, or direct to Lobtex Co., Ltd., Osaka. If the machine is repaired by someone without the necessary qualifications and experience, the machine may not perform to optimum standards, and accidents or injury may result.
10. Do not modify the machine. Any modification to the equipment impairs the validity of safety devices, leading to a higher risk to operators.
 - This machine conforms to applicable safety standards. Do not modify it. Otherwise, accidents or injuries caused by abnormal operation may occur.
11. When disposing of the machine or packing materials, observe local laws and codes on waste disposal.
12. The year and month of production of the machine is indicated by a code and four-digit number on the warning seal. (See page 6 and 8)
13. Warning labels include important information and tips on using the machine. If the labels become so dirty or damaged that they cannot be read, order and replace them with new labels. You can order new labels from Lobtex Co., Ltd. through our dealers.
14. This machine is a feeder for professional use. Operators who use it for the first time must understand its instruction manual completely before maintaining or using the machine.
 - If the machine is broken, do not operate.
15. Slips, trips and falls are major causes of injury at workplace. Be aware of trip hazards caused by air hose or power cable.
16. Electric wires or other cables may be hidden. Pay close attention when starting work.
17. This machine is not intended for use in potentially explosive atmospheres and is not insulated against contact with electric power.
18. Compressed air can cause severe injury.
 - Be sure to disconnect the machine from the air supply source when it is not in use or before replacing or repairing it.
 - Never direct air at yourself or anyone else.
19. Whipping hoses can cause severe injury.
 - Always make sure there is no damage to the hose and no loose fittings.
20. Preventative maintenance should be carried out, after a specified time of operation, a specified number of cycles/operations or a stated number of times per year.



CAUTION

21. Store the machine appropriately when not in use.

- Store it in a dry and high place where it can be locked away or is out of the reach of children. Otherwise, it may cause injury.

22. Do not use the machine incorrectly.

- Use the equipment according to the capacity of the machine and in accordance with its design specification. Use of the machine incorrectly may lead to accidents.

23. Do not handle any power cable or air hose roughly.

- Do not pull the power cable to remove it from the receptacle outlet.
- Keep the power cable away from heat, oil, and sharp edges.
- Pay close attention to prevent the power cable from being stepped on, hooked, or damaged by the use of excessive force. Otherwise, it may cause an electric shock or a short-circuit, leading to fire.
- When using an extension cable, check it regularly and replace it if it is damaged. Otherwise, it may cause an electric shock or a short-circuit, leading to fire.

24. Check for damage to respective parts prior to use and arrange for a repair by a competent person if any damage is found.

- Check thoroughly for damage to respective parts prior to use and ensure that the machine operates normally and the specified functions can be provided.
- When replacing or cleaning parts, observe the instructions in the instruction manual. If you cannot find them in the manual, arrange to have a repair carried out by the supplier you purchased the product from, or by Lobtex.
- If there is no power to the equipment even though the power switch is turned on, or the machine cannot be started when the start button is pressed, do not use the machine. Otherwise, it may operate abnormally, causing injuries.

25. If you find rust, or experience unusual odor, heat, or other abnormalities when using the machine for the first time after purchase, do not use it, but contact the supplier you purchased the product from, or contact Lobtex.

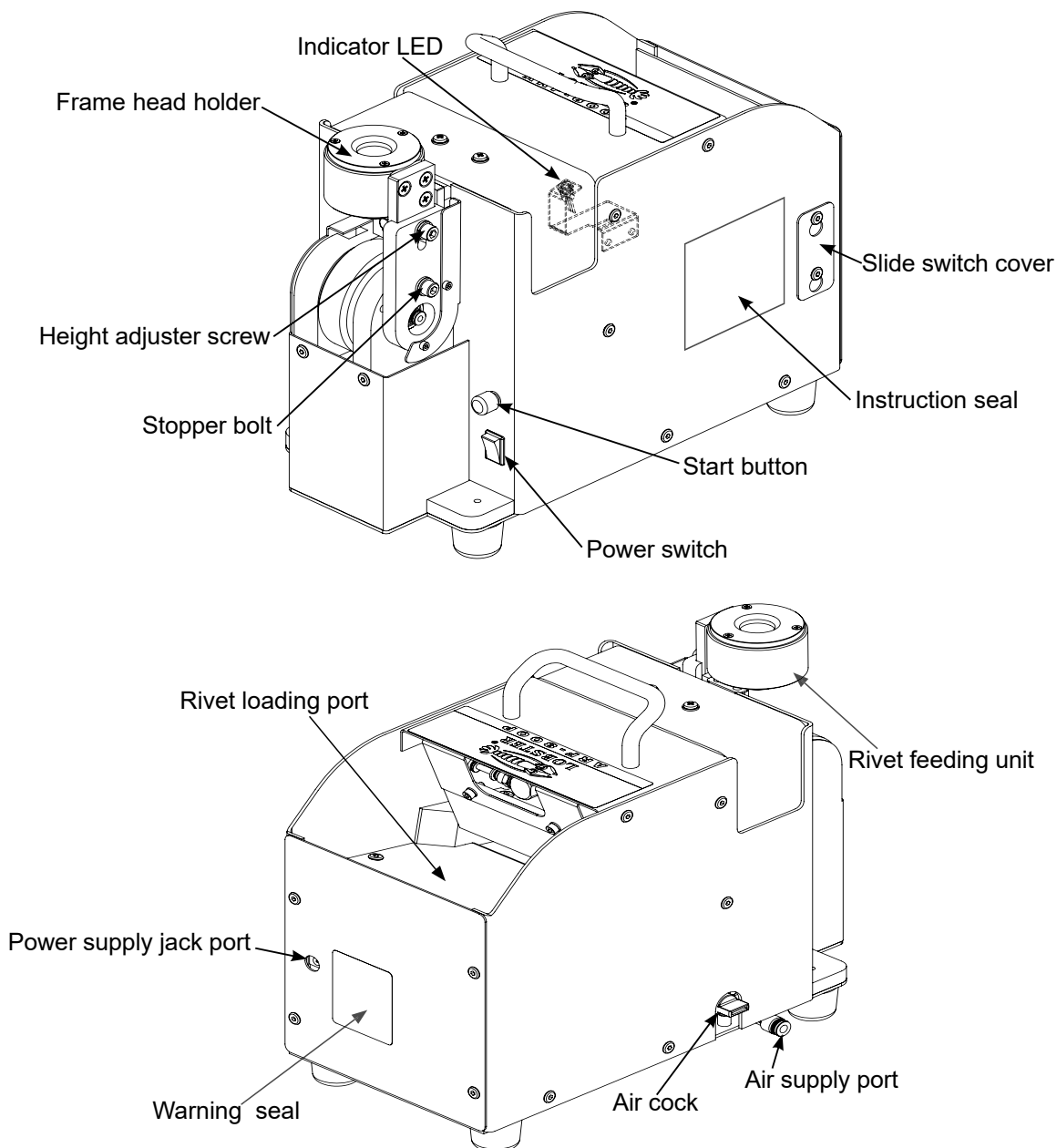
26. Keep your fingers away from around the rotating shaft or the inside of the machine.

- Otherwise, your fingers may be caught, causing injury.

27. Using the machine repeatedly may cause pains in your hands, shoulders, neck, and other locations.

- To avoid pain and fatigue, assume an appropriate and natural posture, and change your posture as necessary.
- If you suffer from continuous discomfort, pain, numbness, palpitations, stiffness, or hot flashes, do not ignore it. Consult with your employer and health manager.

● NOMENCLATURE



■ ACCESSORIES ■ Check at the time of purchase.

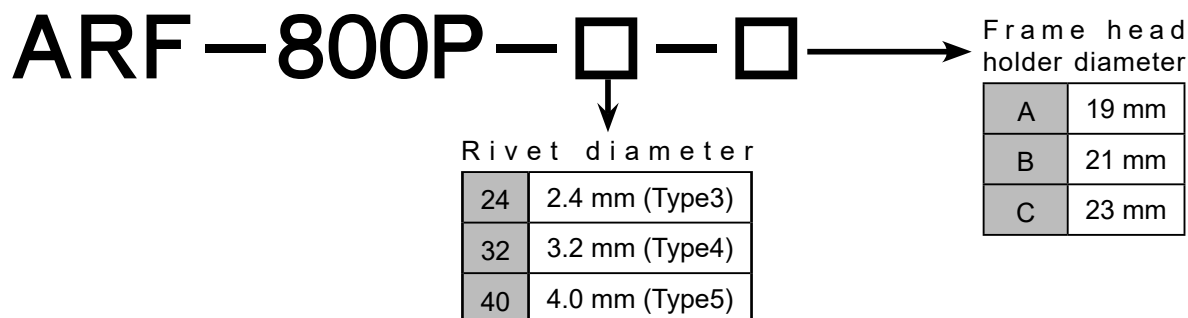
AC Adapter (w/ ferrite core)

Power cable

* For details, refer to the separate sheet.

● TECHNICAL DATA

◇ Model



◇ Product specification

Power supply (V)		AC 100 ~ 240 (50 ~ 60Hz)
Operating voltage (V)		DC 12
Current consumption (A)		1 or less
Operating air pressure (MPa)		0.5 ~ 0.6
Dimensions (Length × Height × Width) (mm) (Maximum dimensions at shipment)		355 × 305 × 185
Base machine mass (kg)		10.9
Air consumption per rivet (ℓ)		3.1
Air consumption (L/min) * ①		62
Operation-guaranteed environment	Temperature (°C)	5°C to 40°C
	Relative humidity	80% RH max (No condensation)
Storage temperature range (°C)		-5 ~ 55
Noise: dB or less * ②		75
Cycle time (pcs./min) * ③		20
Air supply port dia: (φ mm)		6
Basket capacity (pcs.)		1000 (φ 2.4, φ 3.2)、500 (φ 4.0)
Supply angle		By 30° from straight above (0°・30°・60°)
Frame head insertion port dia (mm)		19・21・23

* Product specifications and design are subject to change for improvement without notice.

* Weight and dimensions given are standard values.

Actual products may differ slightly from the values given.

* The rating seal (warning seal attaching location) is on the back side of the machine.

* The year and month of production of the machine is indicated by a code and four-digit numbers.

* ① Under the condition of 20 pcs./min.

* ② Measured at equivalent noise measurement level.

* ③ Mean value

◇ Air riveter

Use R1A1 • AR2000SV • AR2000MV • ARV011M • ARV015MX • ARV022M • or ARV025M

* Use a riveter appropriate for the frame head holder.

Frame head holder notation	Riveter
A (19 mm)	AR2000SV
B (21 mm)	AR2000MV • R1A1 *
C (23 mm)	ARV011M • ARV015MX • ARV022M • ARV025M

* If the old type of frame head which diameter is 22 mm is used, it needs to be changed to frame head which diameter is 21 mm (Optional Frame Head CJM Code No. 64055).

◇ Rivet size

Use NSA • NTA • NA • NST • NSS • NS • or AP. For rivet sizes, see the list below.

Rivet size	Round head rivet	Countersunk head rivet	AP rivet
3 – 2	○	○	—
3 – 3	○	○	—
3 – 4	○	○	—
4 – 1	○	—	—
4 – 2	○	○	—
4 – 3	○	○	○
4 – 4	○	○	—
4 – 5	○	○	○
4 – 6	○	○	—
5 – 2	○	○	—
5 – 3	○	○	—
5 – 4	○	○	○
5 – 5	○	○	—
5 – 6	○	○	—

* Do not put anything into the rivet loading port other than the blind rivets to be used.

* Do not put anything into the frame head holder other than riveters whose size is appropriate for the frame head holder.

◇ How to read the year and month of production

A year/month of manufacture	1	2	3	4	5	6	7	8	9	10	11	12
An English character	A	B	M	N	K	W	T	Y	U	O	L	Z

Example

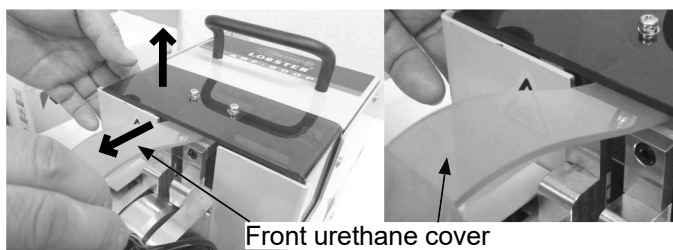
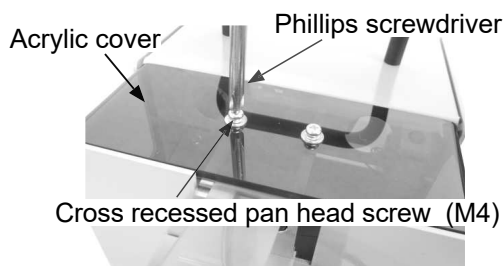
year: 2016 month: 1 → WA ○○○○
 ↓ ↓ ↓
 W A (Serial No.)

Revision history of instruction manual
Item : Auto rivet feeder
Model : ARF — 800P
Date of second edition: January 2017
Date of third edition: April 2017
Date of fourth edition: April 2018
Date of fifth edition: September 2021

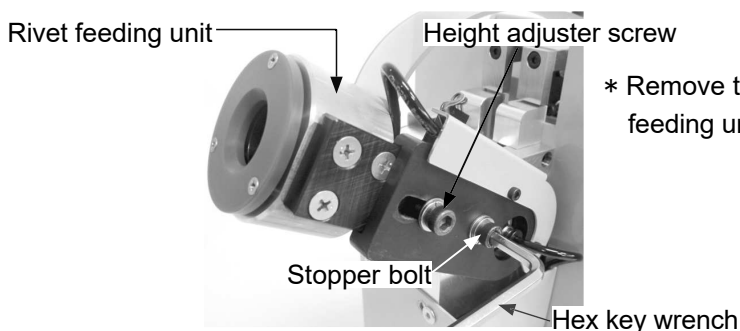
● PREPARATION BEFORE USE

- 1** Set the angle of the rivet feeding unit to an angle of your choice.
(It can be adjusted to three different angles, from directly above 0°, 30°, and 60°. It is set at 0° in the factory default settings.)

- ① Shut off the air and electric power supply, and disconnect the air tube and power cable.
- ② Loosen 2 pan head screws (M4) by about 5 mm with a Phillips head screwdriver to raise the acrylic cover, and remove the front urethane cover.



- ③ Remove the stopper bolt with a hexagonal key wrench (5 mm opposite flats).
* Do not remove height adjuster screw.

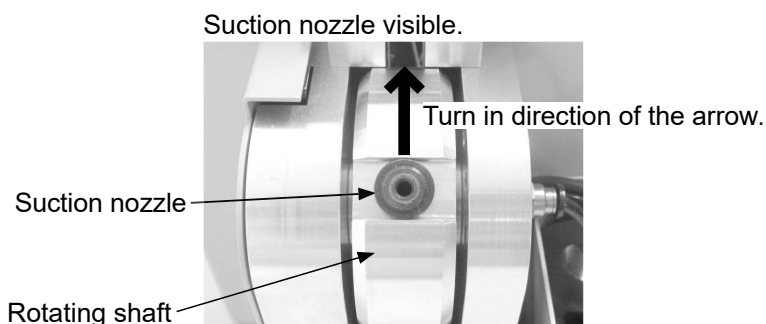


* Remove the bolt while holding the rivet feeding unit to prevent it from dropping.

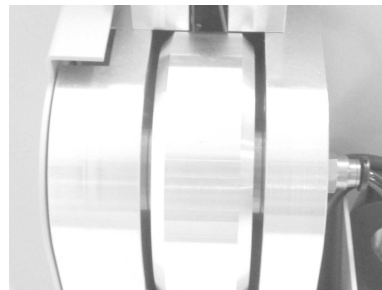
- ④ Retighten the stopper bolt at the angle to be used.

* The rotating shaft is free to move (can be rotated up and down).

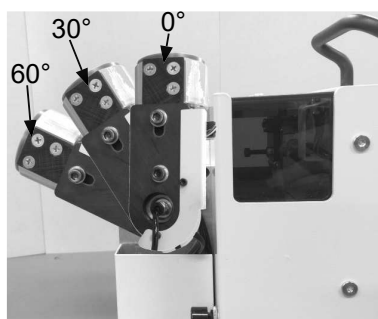
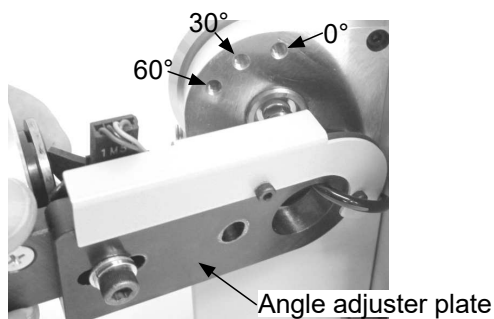
Turn it in the arrow direction and attach the stopper bolt when the suction nozzle is not visible.



Suction nozzle not visible.



Attach stopper bolt whilst in this position.



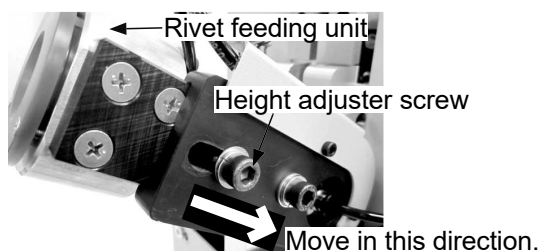
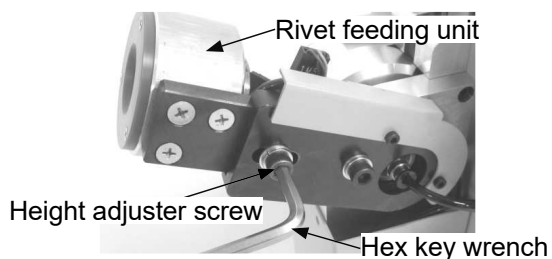
⑤ Set the front urethane cover in position and fix the acrylic cover again.

* Tighten pan head screws (M4) making sure not over tighten and crack the acrylic cover.

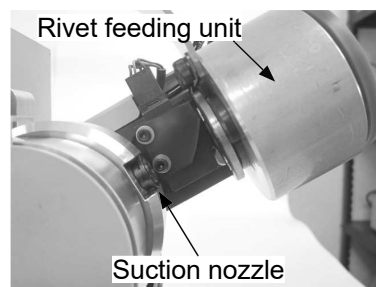
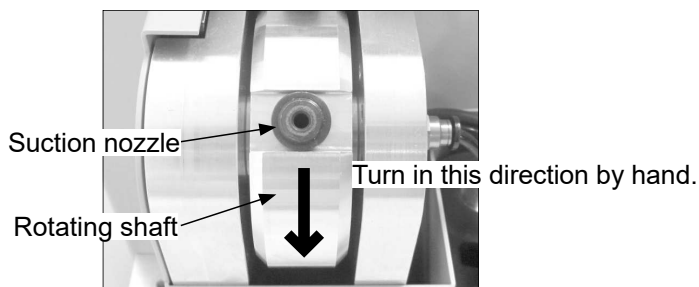
2 Alignment of rivet feeding unit (Alignment of frame head holder and suction nozzle)

If the angle of the rivet feeding unit is set to 30° or 60° in step 1 the rivet feeding unit must be aligned.

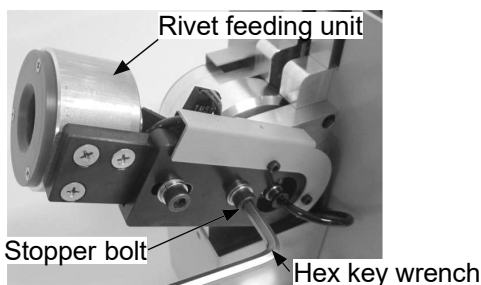
① Loosen the height adjuster screw with a hexagonal key wrench (5 mm opposite flats), lower the rivet feeding unit, and bring it close to the suction nozzle.



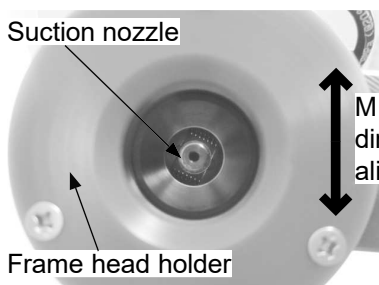
② Turn the rotating shaft with your hand in the direction of the arrow until it stops and will go no further.



- ③ Loosen the stopper bolt.



- ④ Move the rivet feeding unit until it is aligned then align the suction nozzle visually with the feeder unit.



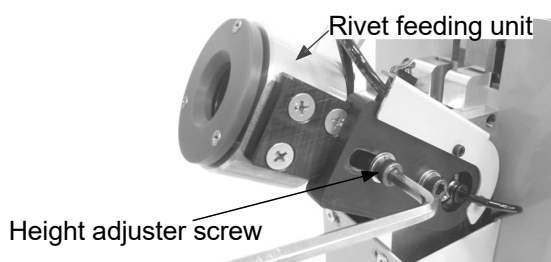
Move in either direction to ensure alignment.

* Move the rivet feeding unit until it is aligned with the suction nozzle and the frame head holder can be viewed vertically.

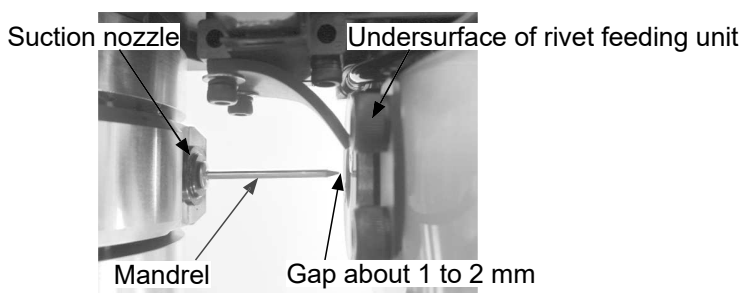
- ⑤ Align the frame head holder visually with the suction nozzle and tighten the stopper bolt.

3 Adjust the feeding height appropriately to the length of the rivet mandrel.

- ① Loosen the height adjuster screw with a hexagonal key wrench (5 mm opposite flats).



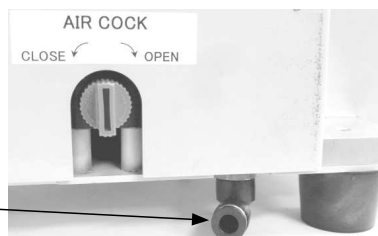
- ② Insert the rivet to suction nozzle and adjust the gap between the tip of the mandrel and the undersurface of the rivet feeding unit to be 1 to 2 mm.



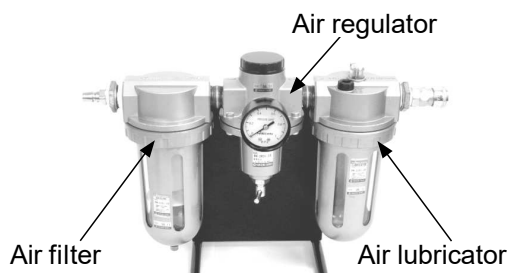
- 4** Connect an air tube with an outer diameter of $\phi 6$ to the air supply port.

* Use an air tube of $\phi 4$ or more inner diameter.

$\phi 6$ air supply port



- 5** Set up the compressor, and be sure to install an air filter, air regulator and air lubricator (3-device set) between the compressor and the machine.



ATTENTION:

If moisture enters inside of the unit, it may freeze in cold temperature or accelerate degradation of the unit. To avoid this condition, use an air dryer as necessary in addition to an air filter, regulator and an air lubricator (3-device set).

- 6** Use the air regulator to adjust the operating air pressure to 0.5 ~ 0.6 MPa.

⚠ WARNING 1 (P.2)

ATTENTION:

- Excessively high air pressure will cause damage to certain parts, while excessively low pressure will cause failure in rivet feeding.
- Adjust the air pressure while the equipment is being operated.

- 7** Connect the AC adapter provided to the power supply jack port then connect the power plug to the receptacle outlet.



Power supply jack port

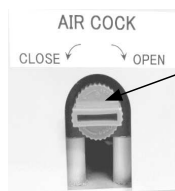
● OPERATING THE AUTO RIVET FEEDER

- 1** Load rivets into the rivet loading port.
* Pay close attention to the volume of rivets loaded, since loading rivets of a volume which exceeds the specified basket capacity may cause rivets to back-up. (Refer to page 7)



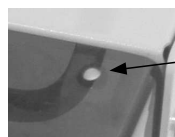
Load rivets

- 2** Turn the air valve clockwise to turn on the air supply.



Air cock

- 3** Turn on the power switch.
(The indicator LED lights up in green.)



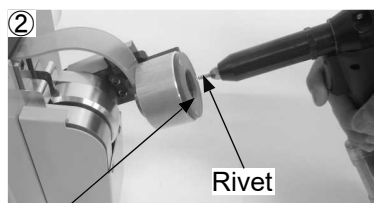
Indicator LED

- 4** Press the start button. (Operation is started and the indicator LED turns off once.)

- 5**
 - ① After the indicator LED lights up in green, insert the riveter into the inner side of the frame head holder.
* Do not pull the trigger of the riveter at this time.
 - ② After feeding is finished, the riveter is pushed back. Then, pull it out.
(A rivet is supplied to the tip of riveter.)



Frame head holder



Rivet

ATTENTION:

- If rivets will not feed properly, the rivet feeding unit needs to be aligned. (Refer to page 10)
- If the riveter suction is not functioning, rivets cannot be fed.

- 6** If there is a low volume of rivets remaining, the feeding capacity of the feeder is decreased. In this case, add rivets.

- ◎ If no rivet is fed for 6 seconds, the indicator LED flashes in red.
- ◎ If no rivet is fed for 12 seconds, the indicator LED lights up in red and the operation is stopped.
* When its operation stops, try the following actions.
[1] Press activation button then, it's supposed to restart.
[2] If not restart, refer to page 18.

● Procedures for changing rivets and riveter

When changing rivet diameter or riveter frame head diameter, follow the procedures shown below. When changing rivet diameter or frame head diameter, replace with optional parts. Prior to changing and replacement of any parts or components, always disconnect the air hose and power cable.

⚠ CAUTION 1 (P.3)

- * Make sure which spare parts are currently used referring to page 26, and change to required optional parts, referring to pages 27 and 28.
- * Optional parts are sold separately. Contact the supplier you purchased the product from, or contact Lobtex. (Refer to pages 14 and 16)

1 Change in diameter of rivet

Replace the suction nozzle and pickup plate and alter the settings.

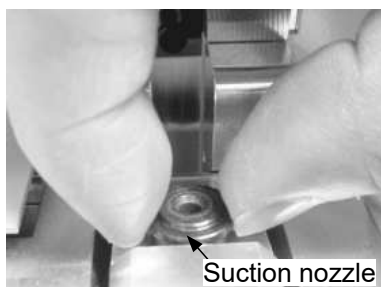
- * If the rivets are remaining inside, take off brush cylinder unit and remove the rivets.

◇ Suction nozzle replacement

1 Adjust the angle adjuster plate to 30° or 60°. (Refer to page 9)

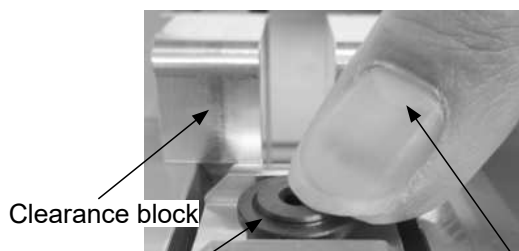
2 ① Turn the rotating shaft of the rivet rotary unit to a position where the suction nozzle can be pulled.

② Pull the collar of the suction nozzle to remove.



- * If it is difficult to pull out, use a machine such as a flathead screwdriver.

3 Replace the suction nozzle and re-assemble in reverse order from above.



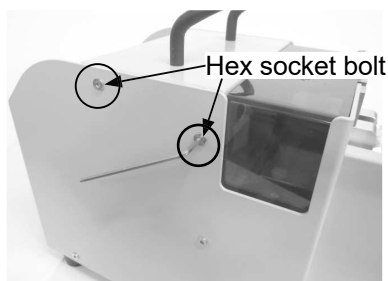
- * Gently turn the rotating shaft with your hand and ensure that there is sufficient clearance between the rotating shaft and the block, so that there is no obstruction in operation.

◇ Optional parts

Suction nozzle (Type3)	Code No. : 65287
Suction nozzle (Type4)	Code No. : 65288
Suction nozzle (Type5)	Code No. : 65289

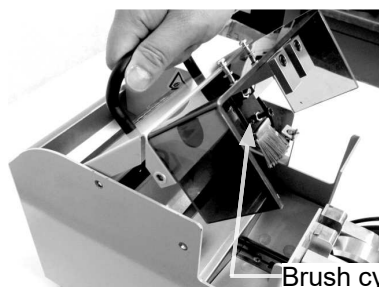
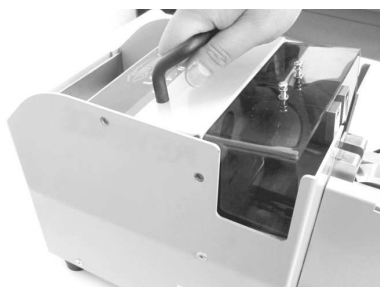
◇ Replacement of pickup plate

- 1** ① Remove the front urethane cover. (Refer to step ② of instruction **1** on page 9.)
- ② Loosen the hexagon socket head cap bolts from 4 locations on right and left sides (2 on each side) with a hexagonal key wrench (3 mm opposite flats).



* Do not loosen screws other than those specified. Otherwise, it may cause malfunction.

- ③ Remove the brush cylinder unit.

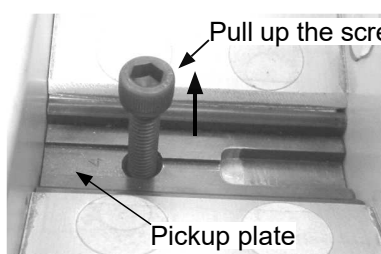


* When connecting or disconnecting the air hose or cable, use caution to prevent damage to the air hose or cable.

- 2** Remove recessed cross head countersunk screws fixing the pickup plate.



- 3** Pull the pickup plate upward to remove it.
(At this time, attach an M6 bolt as shown below for easier removal.)



4 Replace with the pickup plate appropriate for the size, and re-assemble in the reverse order.

* Adjusting the height may need to be verified to the corresponding rivet size. (See page 11)

◇ Optional parts

Pickup plate U (Type3) with M6 screw Code No. : 65329

Pickup plate U (Type4) with M6 screw Code No. : 65336

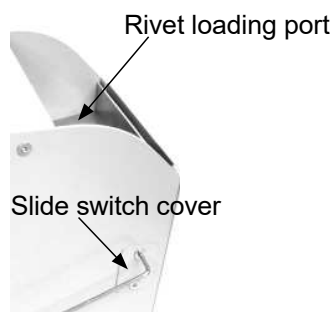
Pickup plate U (Type5) with M6 screw Code No. : 65348

◇ Change in settings

When using rivets of a different size, the slide switch needs to be correctly set.

Removing the slide switch cover with a hexagonal key wrench (3 mm opposite flats) will expose the slide switch as shown below. Shift accordingly for the rivet size to be used.

* Always turn off the power supply before operating the slide switch. The settings cannot be changed unless the power supply is turned off.



Shift the slide switch as shown below, depending on the type of rivets to be used.

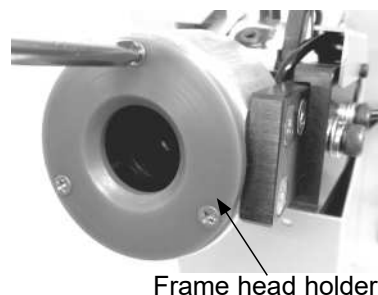
① Type 3 (Dia.: 2.4)	② Type 4 (Dia.: 3.2)	③ Type 5 (Dia.: 4.0)
ON OFF	ON OFF	ON OFF
SW1 <input type="checkbox"/>	SW1 <input type="checkbox"/>	SW1 <input type="checkbox"/>
SW2 <input type="checkbox"/>	SW2 <input type="checkbox"/>	SW2 <input type="checkbox"/>

The side switch is set to the specified rivet diameter in advance by factory default setting.

2 Change in frame head diameter

1 Remove three countersunk screws with a Phillips screwdriver. Refer to page 8, and replace the frame head holder with the holder appropriate for the frame head diameter.

* Remove any dirt found on frame head holder or finger holder, before re-attaching them. (See page 24)

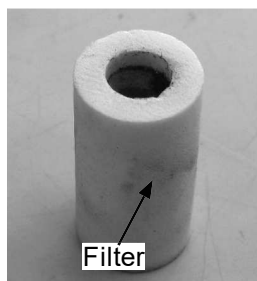
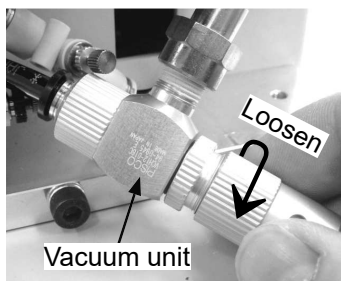


● MAINTENANCE

1. Cleaning parts

- Wipe away any dirt on parts with waste cloth.
- Blow air onto the areas around rivet loading port and pickup plate to clean them.
- Take off Suction nozzle and clean it. (Refer to page 14)
- Clean the filter of Vacuum unit.

Remove the Cylinder cover and take off the filter of Vacuum unit, remove the dust inside the cylinder.



2. Check for damage to parts.

- If any damage is found, contact the supplier you purchased the product or contact Lobtex.
- Perform maintenance and inspection weekly. Failure to do so may lead to faulty operation.

● STORAGE

- Store in a place which is well-ventilated and free from excessive dust and humidity and where there is no danger that machine will fall.
- To increase the working life of the machine, it is recommended that you maintain and service the machine as recommended in this manual.

Contact the place of purchase or your nearest "LOBSTER" dealer for any overhauls and repair work required.

● ORDERING PARTS

Specify the model, part name, code number and the quantities of parts as shown below and place an order with the "LOBSTER" dealer where you purchased the machine.

Model	Part name	Code No.	Qty.
ARF800P	Brush	65380	1
ARF800P	Frame head holder (19)	65290	1

* When parts are modified for improvement, the older parts are kept in stock for a period of five years.

● TROUBLESHOOTING

If a problem occurs, check the following.

If the problem persists after checking the items in the table below, contact your nearest "LOBSTER" dealer or contact Lobtex.

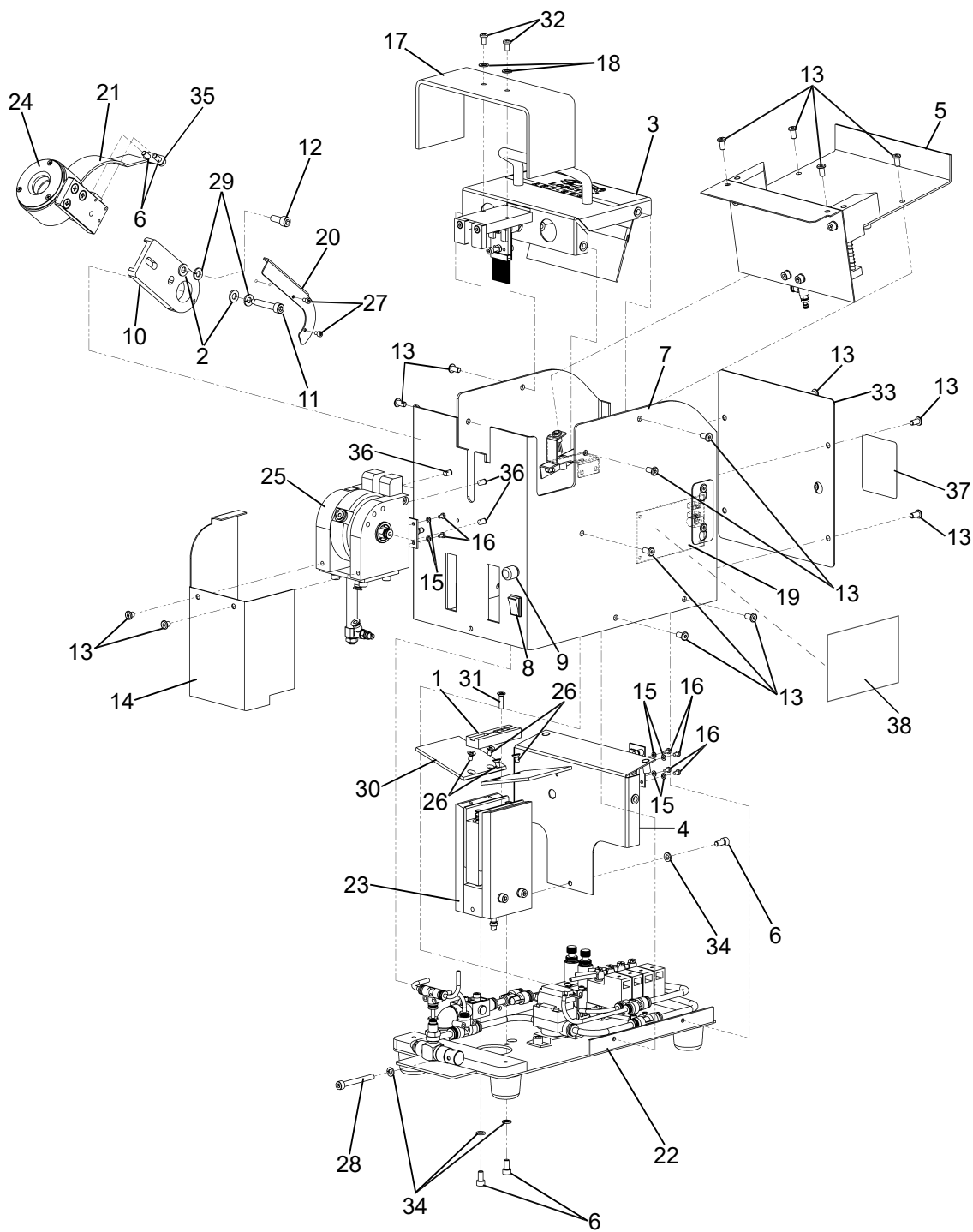
In making any inquiries about this product or requests for repair work, first check the troubleshooting items below and then make a note of the model number, the usage conditions and the trouble symptoms in as much detail as possible. If you can provide this kind of information, it may reduce the amount of time required for delivery or repairs to be completed.

Trouble		Cause	Countermeasure
The machine will not operate even though the start button is pressed.	1	The power supply plug or power supply jack is disconnected.	Connect the power supply plug or power supply jack.
	2	No air is supplied or the air valve is closed.	Supply air and open the valve.
The red lamp lights up and the machine stops. (Pressed the start button again but still doesn't work. Refer to 1 ~ 11 at the right.)	1	No rivets are loaded.	Load rivets.
	2	Size of pickup plate is not appropriate for blind rivets.	Change the size of the pickup plate to that appropriate for blind rivets. (Refer to page 15)
	3	Size of suction nozzle is not appropriate for blind rivets.	Change the size of the suction nozzle to that appropriate for blind rivets. (Refer to page 14)
	4	Foreign material other than blind rivets is mixed in.	Remove foreign material.
	5	The brush does not operate.	Ensure that operation of the brush is not obstructed. (Refer to page 21)
	6	The pickup plate does not operate.	Ensure that the operation of the pickup plate is not obstructed. (Refer to pages 19, 23)
	7	Volume of blind rivets loaded exceeds appropriate level.	Reduce the volume of loaded rivets to the appropriate level.
	8	Setting for the slide switch is not appropriate for blind rivets used.	Change the slide switch setting appropriately for the blind rivets. (Refer to page 16)
	9	Rivets are sucked into the nozzle in incorrect orientation.	Remove the rivets which are not correctly oriented. Close the air valve, and turn the rotating shaft to remove them.
	10	Rivets will not feed from the basket unit.	Gently shake the feeder unit.
	11	Filter of Vacuum unit has been clogged (rivet is inserted correctly to the nozzle).	Clean the filter. (Refer to page 17)
Rivets will not feed to the riveter.	1	Alignment of feeding angle and rivet feeding unit is wrong.	Adjust the alignment. (Refer to pages 9 to 10)
	2	Size of the riveter nosepiece is not appropriate for blind rivets.	Change the size of the nosepiece to that appropriate for blind rivets.
	3	The vacuum mechanism of the riveter is not turned on.	Turn on the vacuum mechanism.
Although one rivet is fed to the riveter, the next rivet is not fed.	1	The riveter is not correctly inserted into the inner side of the frame head holder.	Re-insert the riveter into the inner side of the frame head holder.
The frame head of the air riveter will not fit into the frame head holder.	1	The size of the frame head is not appropriate for that of the frame head holder.	Check the outer diameter of the frame head, and replace it with the frame head holder of appropriate size.

● PARTS TABLE

ARF-800P main unit

英語／ENGLISH



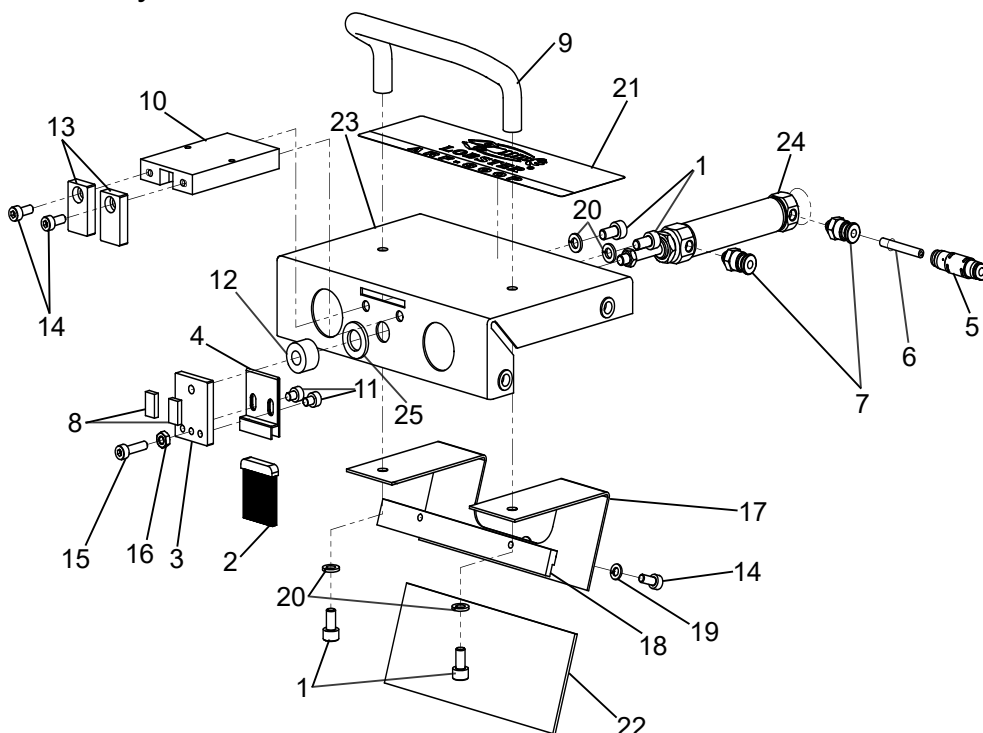
Index No.	Part name	Code No.	Material
①-A	Pickup plate unit (Type 3)	65329	Steel
①-B	Pickup plate unit (Type 4)	65336	Steel
①-C	Pickup plate unit (Type 5)	65348	Steel
2	Plain washer M6	20911	Steel
3	Brush cylinder unit	----	Refer to page 21
4	Middle plate unit	----	Aluminum, Steel
5	Basket unit	----	Refer to page 22
6	Hex socket bolt M5 × 10	62011	Steel
7	Body cover unit	----	----
8	Power switch	*1	Electronic device
9	Start button	*1	Electronic device
10	Angle adjuster plate	----	Steel
11	Stopper bolt	65325	Steel
12	Hex socket bolt M6 × 15 Height adjuster screw	23690	Steel
13	Extra-thin low head cap M5 × 10	65915	Steel
14	Cylinder cover	----	Steel
15	Spring washer M3	12442	Steel
16	Cross recessed pan head screw M3 × 6	63250	Steel
17	Acrylic cover	65328	Plastic
18	Plain washer M4	25585	Steel
19	800P Substrate unit (include *1)	65389	Electronic device
20	Cable rack	----	Steel
21	Front urethane cover	----	Rubber
22	Bottom unit	----	----
23	Pickup unit	----	Refer to page 23
24	Rivet feeding unit	----	Refer to page 24
25	Rivet rotating unit	----	Refer to page 25
26	Cross recessed flat head screw M4 × 8	20917	Steel
27	Hex socket bolt M3 × 5	43736	Steel
28	Hex socket bolt M5 × 45	65350	Steel
29	Spring washer M6	20908	Steel
30	Angle plate	65302	Aluminum
31	Cross recessed flat head screw M4 × 15	20915	Steel
32	Cross recessed pan head screw M4 × 15	20913	Steel
33	Back cover	----	Steel
34	Spring washer M5	20907	Steel
35	Front urethane cover holder	----	Steel
36	Hexagon socket head cap countersunk head screw M5 × 10	65913	Steel
37	Warning seal	65914	Plastic
38	Instruction seal	65381	Plastic

*1 Index No.29 Included in 800P Substrate unit (65389)

Parts with circled Index No. are consumable parts.

They should be replaced periodically.

Brush cylinder unit



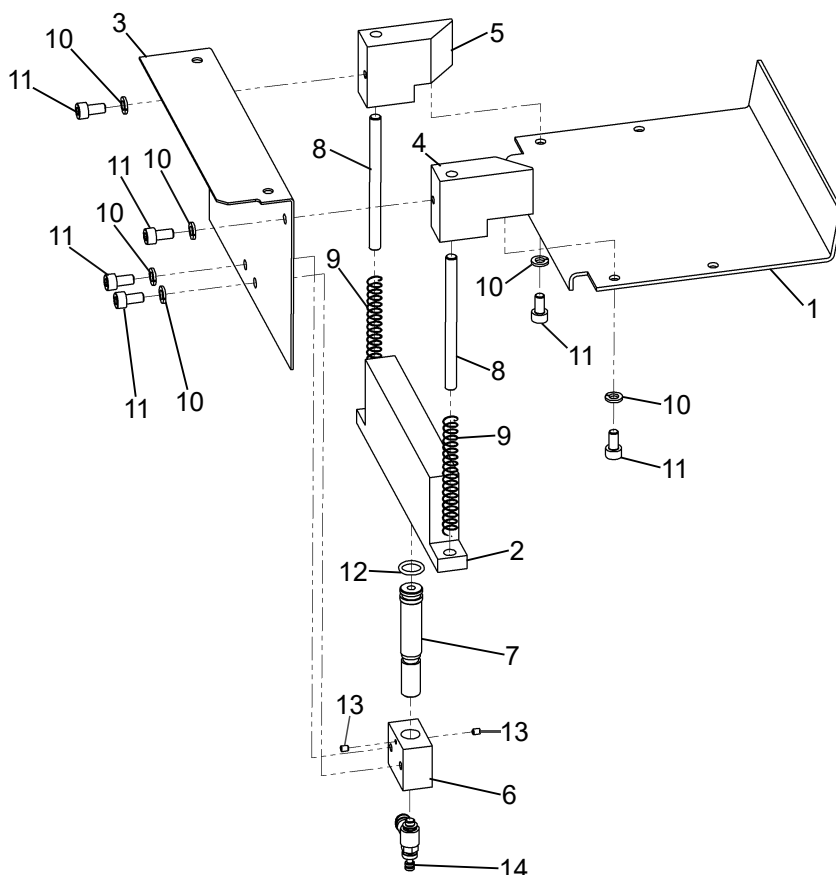
Index No.	Part name	Code No.	Material
1	Hex socket bolt M5 × 10	62011	Steel
②	Brush	65380	Nylon, Steel
3	Brush holder fixture	65315	Steel
4	Brush holder	65379	Stainless
5	Quick exhaust valve	65374	①
6	Φ4 Urethane tube 70	63211	Plastic
7	Air joint	65904	①
8	Cushioning material	65386	Rubber
9	Handle	65384	Aluminum
10	Brush whirl-stop	---	Steel
11	Hex socket bolt M4 × 5	12901	Steel
12	Urethane cushion	65385	Plastic
13	Brush cylinder receipt	---	Steel
14	Hex socket bolt M4 × 10	22421	Steel
15	Hex socket bolt M4 × 16	16059	Steel
16	Hexagon nut M4	16063	Steel
17	Urethane sheet angle	---	Steel
18	Urethane sheet holder	---	Steel
19	Spring washer M4	20930	Steel
20	Spring washer M5	20907	Steel
21	Machine number seal	65911	Plastic
22	Back urethane cover	---	Plastic
23	Top face cover plate U	---	Aluminum, Steel
24	Air cylinder	65369	②
25	Plain washer M10 JIS B1256 small	66570	Steel

Parts with circled Index No. are consumable parts.
They should be replaced periodically.

Parts materials

① Brass, Rubber, Stainless, Plastic ② Aluminum, Rubber, Steel, Stainless

Basket unit

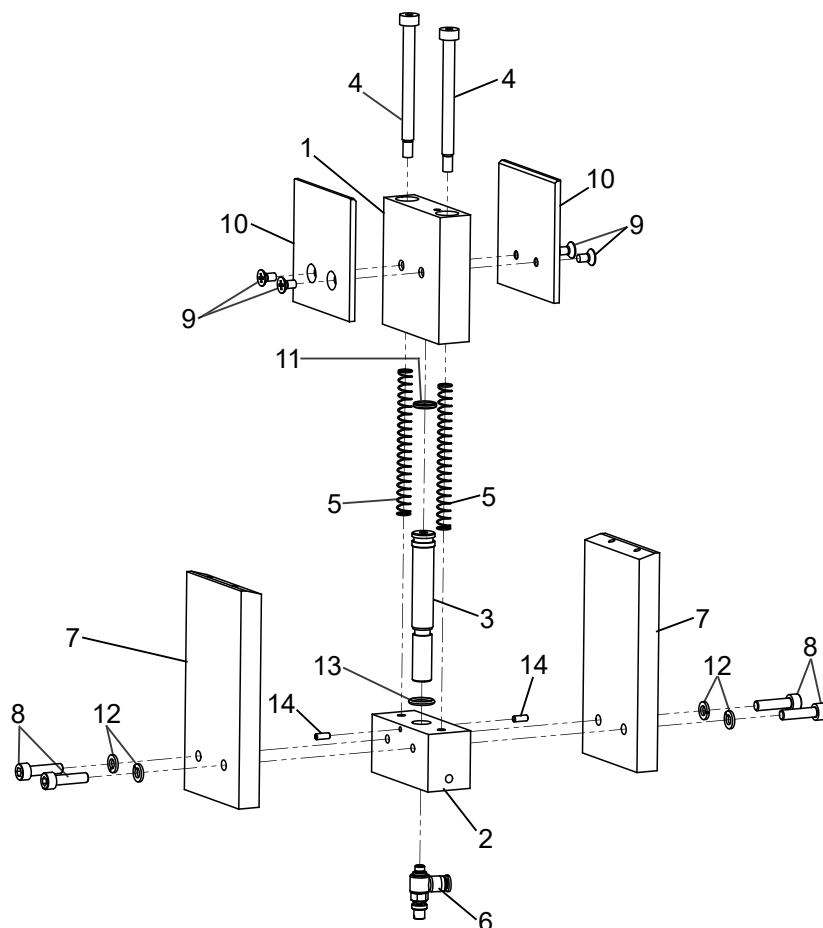


Index No.	Part name	Code No.	Material
1	Basket plate	65301	Aluminum
2	Platform	65285	Aluminum
3	Platform base plate	65316	Steel
4	Basket coupler R	---	Steel
5	Basket coupler L	---	Steel
6	Platform base	---	Aluminum
7	Platform pipe	---	Steel
8	Pin (A-type)	65343	Steel
9	Compression spring $\phi 8 \times 65$	65344	Steel
10	Spring washer M5	20907	Steel
11	Hex socket bolt M5 \times 10	62011	Steel
12	O-ring S-10	10151	Rubber
13	Hexagon socket head cap set screw M3 \times 4	48761	Steel
14	Throttle valve (elbow)	65367	①

Parts materials

① Brass, Rubber, Stainless, Plastic

Pickup unit

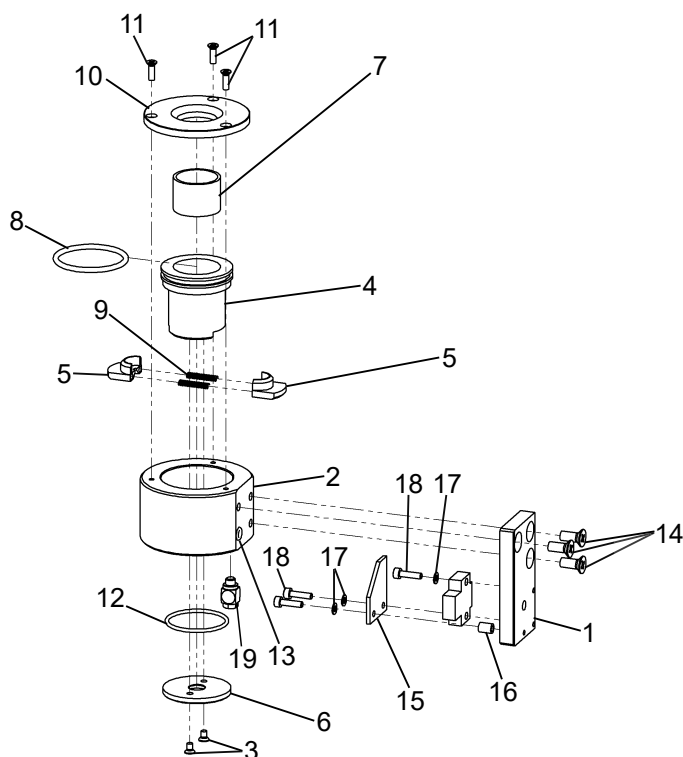


Index No.	Part name	Code No.	Material
1	Pickup platform	65304	Aluminum
2	Pickup platform base	---	Steel
3	Pickup platform pipe	---	Steel
4	Hinge pin	65382	Steel
5	Compression spring $\phi 8 \times 65$	65344	Steel
6	Speed controller	65916	①
7	Angle plate base	---	Aluminum
8	Hex socket bolt M5 \times 20	49752	Steel
9	Cross recessed flat head screw M4 \times 8	20917	Steel
10	Pickup side plate	65331	Steel
11	O-ring S-10	10151	Rubber
12	Spring washer M5	20907	Steel
13	O-ring P-10	10274	Rubber
14	Hexagon socket head cap set screw M3 \times 8	65353	Steel

Parts materials

① Brass, Rubber, Stainless, Plastic

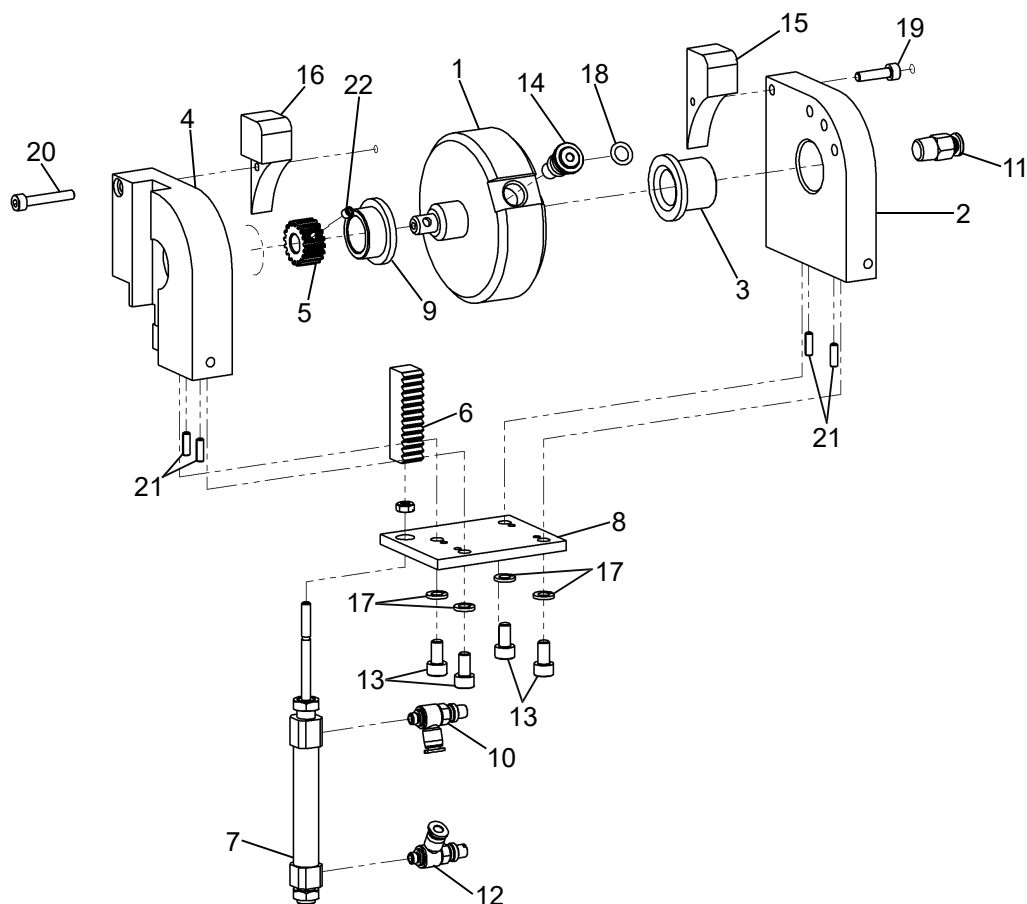
Rivet feeding unit



Index No.	Part name	Code No.	Material
1	Head mounting plate	65284	Steel
2	Collar	65311	Aluminum
3	Cross recessed flat head screw M3 × 5	20914	Steel
4	Finger holder	65310	Steel
5	Finger	65309	Steel
6	Finger cap	65308	Steel
7	Finger pusher	65307	Steel
8	O-ring S-35	65378	Rubber
9	Compression spring ϕ 3 × 20	65345	Steel
10-A	Frame head holder (19)	65290	Plastic
10-B	Frame head holder (21)	65341	Plastic
10-C	Frame head holder (23)	65291	Plastic
11	Cross recessed flat head screw M3 × 8	65354	Steel
12	O-ring S-30	23685	Rubber
13	O-ring S-4	29664	Rubber
14	Cross recessed flat head screw M5 × 12	65917	Steel
15	Sensor guard	65907	Rubber
16	Metal collar	65908	Stainless
17	Plain washer M3	21539	Steel
18	Hex socket bolt M3 × 15	61337	Steel
19	Barb elbow for soft tube	63226	Brass

Parts with circled Index No. are consumable parts.
They should be replaced periodically.

Rivet rotating unit



Index No.	Part name	Code No.	Material	Index No.	Part name	Code No.	Material
1	Rotating shaft	65282	Aluminum	13	Hex socket bolt M5 × 10	62011	Steel
2	Bush holder	65281	Aluminum	14-A	Suction nozzle (3)	65287	Steel
3	Bush ϕ 16 × L20	65356	Copper	14-B	Suction nozzle (4)	65288	Steel
4	Gear box	65279	Aluminum	14-C	Suction nozzle (5)	65289	Steel
5	Spur gear	---	Steel	15	Clearance block R	---	Aluminum
6	Rackgear	---	Steel	16	Clearance block L	---	Aluminum
7	Air cylinder	65368	②	17	Spring washer M5	20907	Steel
8	Rack cylinder mounting plate	---	Steel	18	O-ring P-7	10149	Rubber
9	Bush ϕ 16 × L12	65355	Copper	19	Hex socket bolt M4 × 16	16059	Steel
10	Throttle valve (elbow)	65367	①	20	Hex socket bolt M4 × 25	61440	Steel
11	Air joint	65362	①	21	Spring pin ϕ 3 × 10	10787	Steel
12	Speed controller	65916	①	22	Hexagon socket head cap set screw M4 × 5	65903	Steel

Parts with circled Index No. are consumable parts.

They should be replaced periodically.

Parts materials

① Brass, Rubber, Stainless, Plastic ② Aluminum, Rubber, Steel, Stainless

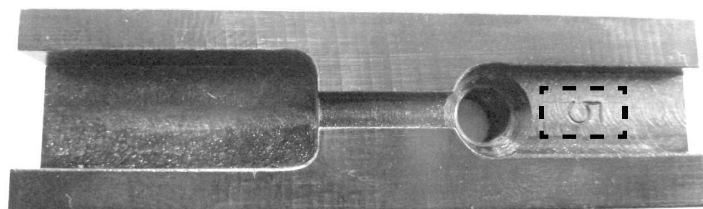
How to check current model number.

① How to check rivet diameter of the machine.

Take off Suction nozzle and check the backside.

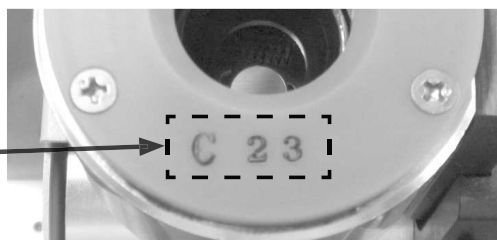
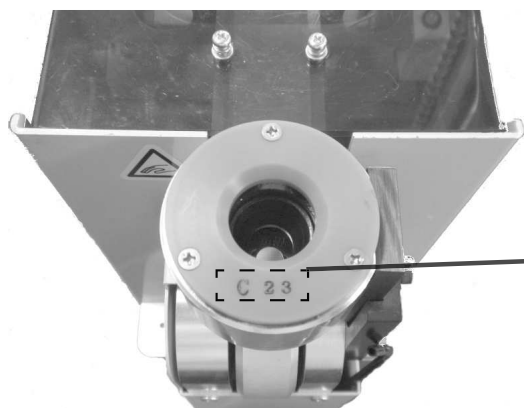
The type of the rivet size is marked.

*It is also marked in Pickup plate.



② How to check the size of Frame head holder.

Check the mark of the following figure.



③ The model number can be checked as follows.

ARF-800P-□-□ → Frame head holder diameter

↓
Rivet diameter

24	2.4 mm (Type3)
32	3.2 mm (Type4)
40	4.0 mm (Type5)

A	19 mm
B	21 mm
C	23 mm

*For example, the model number of above figure will be ARF-800P-40-C.

“Optinal parts required when charging the rivet size of ARF800P”

Model number	Model number after converting	Required optional parts		
		Pickup plate unit	Suction nozzle	Frame head holder
24A	24B	Remaining parts	Remaining parts	Frame head holder (21) 65341
	24C	Remaining parts	Remaining parts	Frame head holder (23) 65291
	32A	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Remaining parts
	32B	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (21) 65341
	32C	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (23) 65291
	40A	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Remaining parts
	40B	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (21) 65341
	40C	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (23) 65291
24B	24A	Remaining parts	Remaining parts	Frame head holder (19) 65290
	24C	Remaining parts	Remaining parts	Frame head holder (23) 65291
	32A	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (19) 65290
	32B	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Remaining parts
	32C	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (23) 65291
	40A	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (19) 65290
	40B	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Remaining parts
	40C	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (23) 65291
24C	24A	Remaining parts	Remaining parts	Frame head holder (19) 65290
	24B	Remaining parts	Remaining parts	Frame head holder (21) 65341
	32A	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (19) 65290
	32B	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (21) 65341
	32C	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Remaining parts
	40A	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (19) 65290
	40B	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (21) 65341
	40C	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Remaining parts
32A	24A	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Remaining parts
	24B	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (21) 65341
	24C	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (23) 65291
	32B	Remaining parts	Remaining parts	Frame head holder (21) 65341
	32C	Remaining parts	Remaining parts	Frame head holder (23) 65291
	40A	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Remaining parts
	40B	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (21) 65341
	40C	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (23) 65291
32B	24A	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (19) 65290
	24B	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Remaining parts
	24C	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (23) 65291
	32A	Remaining parts	Remaining parts	Frame head holder (19) 65290
	32C	Remaining parts	Remaining parts	Frame head holder (23) 65291
	40A	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (19) 65290
	40B	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Remaining parts
	40C	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (23) 65291
32C	24A	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (19) 65290
	24B	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (21) 65341
	24C	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Remaining parts
	32A	Remaining parts	Remaining parts	Frame head holder (19) 65290
	32B	Remaining parts	Remaining parts	Frame head holder (21) 65341
	40A	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (19) 65290
	40B	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Frame head holder (21) 65341
	40C	Pickup plate unit (Type 5) 65348	Suction nozzle (Type5) 65289	Remaining parts

Model number	Model number after converting	Required optional parts		
		Pickup plate unit	Suction nozzle	Frame head holder
40A	24A	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Remaining parts
	24B	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (21) 65341
	24C	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (23) 65291
	32A	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Remaining parts
	32B	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (21) 65341
	32C	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (23) 65291
	40B	Remaining parts	Remaining parts	Frame head holder (21) 65341
	40C	Remaining parts	Remaining parts	Frame head holder (23) 65291
40B	24A	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (19) 65290
	24B	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Remaining parts
	24C	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (23) 65291
	32A	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (19) 65290
	32B	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Remaining parts
	32C	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (23) 65291
	40A	Remaining parts	Remaining parts	Frame head holder (19) 65290
	40C	Remaining parts	Remaining parts	Frame head holder (23) 65291
40C	24A	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (19) 65290
	24B	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Frame head holder (21) 65341
	24C	Pickup plate unit (Type 3) 65329	Suction nozzle (Type3) 65287	Remaining parts
	32A	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (19) 65290
	32B	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Frame head holder (21) 65341
	32C	Pickup plate unit (Type 4) 65336	Suction nozzle (Type4) 65288	Remaining parts
	40A	Remaining parts	Remaining parts	Frame head holder (19) 65290
	40B	Remaining parts	Remaining parts	Frame head holder (21) 65341

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MANUFACTURER

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