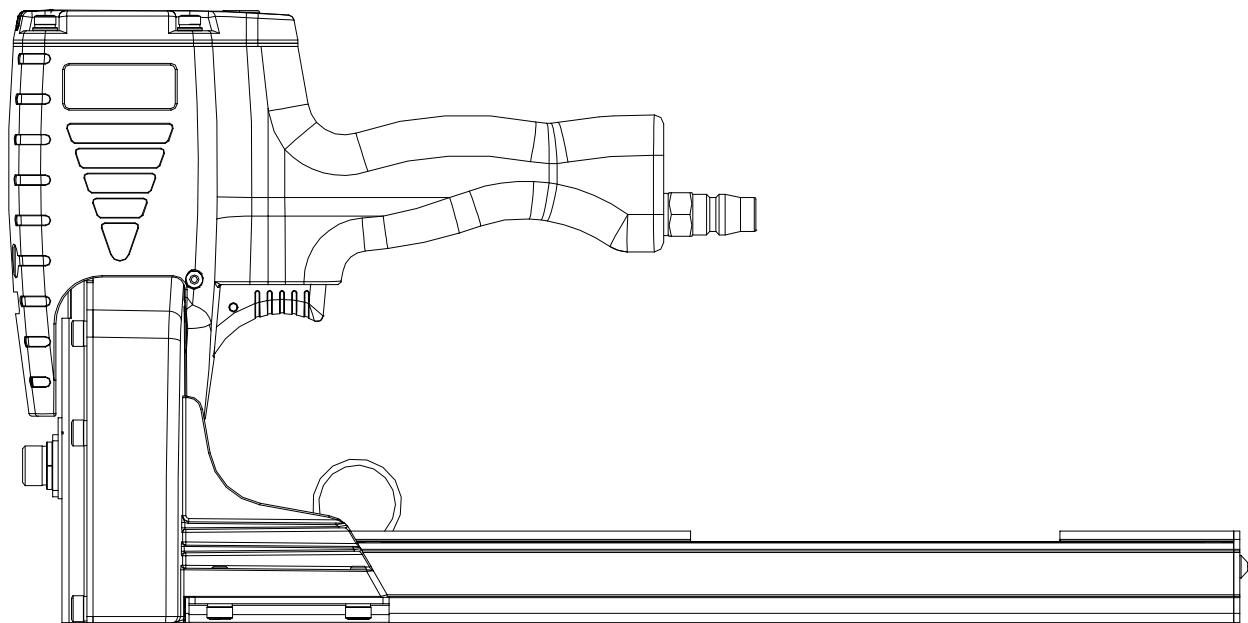


OPERATING INSTRUCTIONS AND PARTS MANUAL

# MODEL A3522

## S TYPE

### Carton Stapler



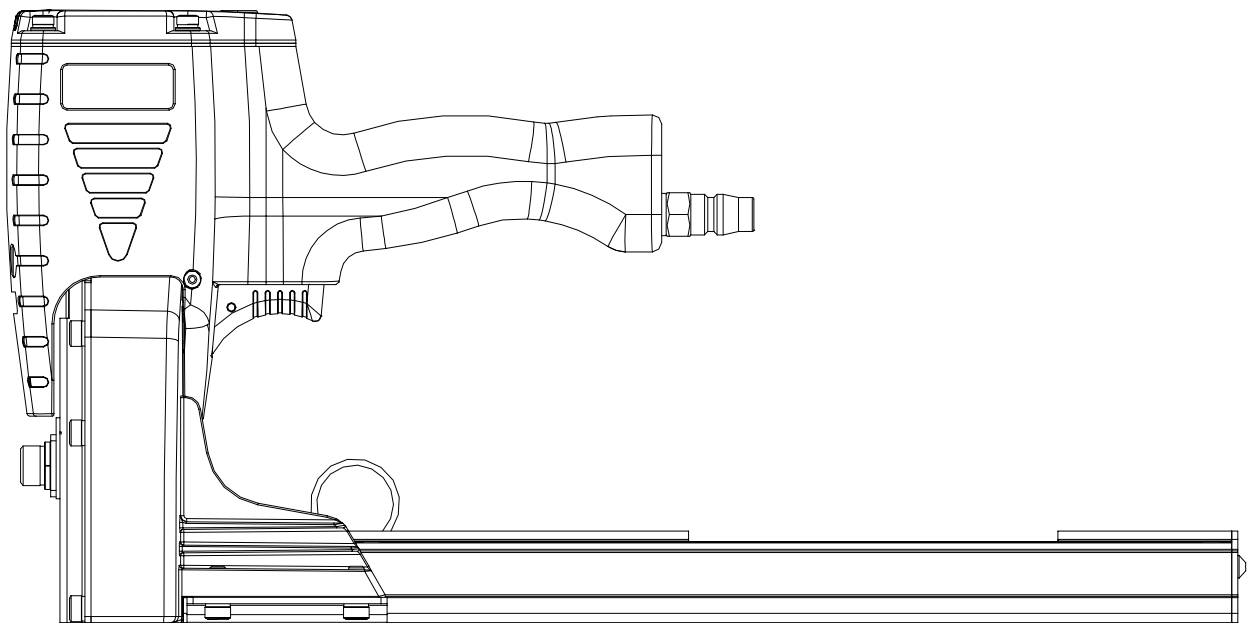
CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

**APLUS Pneumatic Corp.**  
NO.579, SEC. 1, SHEN LIN RD., TAYA, TAICHUNG CITY 428 TAIWAN, R.O.C.  
Tel: 886-4-25602860 Fax: 886-4-25602859  
Original instructions

OPERATING INSTRUCTIONS AND PARTS MANUAL

# MODEL A3522 S TYPE

## Carton Stapler



CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

## TOOL SPECIFICATIONS

MODEL OF TOOL .....	A3522
TOOL LENGTH .....	15.75" (400 mm)
TOOL HEIGHT .....	7.87" (200 mm)
TOOL WIDTH .....	4.02" (102 mm)
WEIGHT (WITHOUT FASTENERS) .....	5.51 lbs (2.5 kg)
AIR INLET .....	1/4" NPT
<b>COMPRESSED AIR :</b>	
Maximum permissible operating pressure .....	110 PSIG (7.5 bar)
Recommended operating pressure range .....	75 ~ 100 PSIG (5 ~ 7 bar)
AIR CONSUMPTION .....	0.031 scfm with 25 nails per minute @ 100 psi (6.9 bar)

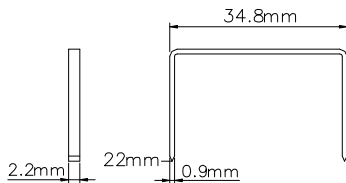
<b>Noise dB(A) :</b>	
A-weighted sound pressure level LpA.....	75.61 dB(A)
A-weighted sound power level LwA.....	88.61 dB(A)
Measurement uncertainty: 3dB	
<b>Vibration (m/s<sup>2</sup>) :</b>	
Hand-arm vibration value.....	4.48 m/s <sup>2</sup>
Measurement uncertainty: 1.5 m/s <sup>2</sup>	

### Warning:

The vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used; and of the need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operation cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

List of fasteners for A3522 :

Crown	Thickness	Width	MAGAZINE
34.8 mm 1.37 "	0.9 mm 0.035 "	2.2 mm 0.086 "	100 pcs



### Foreword:

This pneumatic carton stapler is designed for carton closing staples and holding the materials securely together. Its well balanced, ergonomic, comfort non-slip cushioned grip and easy adjusting function ensure you a satisfactory tackle and enjoy work.

### Suitable applications:

Carton closing

### Caution:

Carton staplers are ideal for closing cartons. Not suitable for stapling or nailing into concrete, masonry bricks or steel. Do not fire if staples are jammed, as this will cause damage to the relevant parts.



**DANGER**

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



**WARNING**

Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury.



**NOTE**

Alerts the operator to useful information.

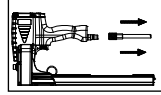
## SAFETY INSTRUCTIONS



**DANGER**

1. Read this manual and understand all safety instructions before operation the tool. If you have any questions, please contact our authorized representatives.
2. Only those fasteners listed in the operating instructions may be used in the fastener driving tools.
3. Only the main energy and the lubricants listed in the operating instructions may be used.
4. Fastener driving tools equipped with contact actuation or continuous contact actuation, marked with the symbol "Do not use on scaffoldings, ladders", shall not be used for specific application for example:
  - when changing one driving location to another involves the use of scaffoldings, stairs, ladders, or ladder alike constructions, e.g. roof laths,
  - closing boxes or crates,
  - fitting transportation safety systems e.g. on vehicles and wagons.
5. For the maintenance of fastener driving tools, only spare parts specified by the manufacturer or his authorized representative shall be used.
6. Repairs shall carried out by agents authorized by the manufacturer or by other specialists, having due regard to the information given in the operating instruction.

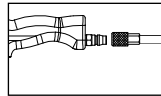
7. Stands for mounting the fastener driving tools to a support for example a work table shall be designed and constructed by the stand manufacturer in such a way that the fastener driving tool can be safely fixed for the intended use, thus for example avoiding damage, distortion or displacement.
8. Fastener driving tools operated by compressed air shall only be connected to compressed air lines where the maximum allowable pressure cannot be exceed by a factor of more than 10%, which can for example be achieved by a pressure reduction valve which includes a downstream safety valve.
9. When using fastener driving tools operated by compressed air, particular attention must be paid to avoid exceeding the maximum allowable pressure.
10. When using fastener driving tools operated by compressed air should only be operated at the lowest pressure required for the work process at hand, in order to prevent unnecessarily high noise levels, increased wear and resulting failures.
11. Hazards caused by fire and explosion when using oxygen or combustible gases for operating compressed air operated fastener driving tools.
12. Carry the fastener driving tool at workpiece using only the handgrip, and never with the trigger actuated. Never carry the tool by the hose or pull the hose to move the tool.



13. Disconnect the tool from air supply before cleaning jams, servicing, adjusting, and during non-operation.



14. Wear eye protection.



15. Do not use a check valve or any other fitting which allows air to remain in the tool.



16. Do not place your hand or any part of your body in the fastener discharge area of the tool when connecting or disconnecting air supply.

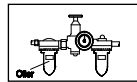


17. Never point tool at yourself or at any other person.

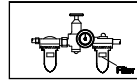
## AIR SUPPLY AND CONNECTION



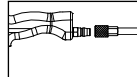
**NOTE**



- Many air tool users find it convenient to use oiler to help provide oil circulation through tool and increase the efficiency and useful life of the tool. Check oil level in the oiler daily.

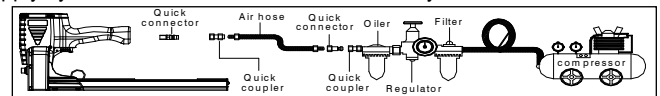


- Many air tool user find it convenient to use a filter to remove liquid and impurities which can rust or wear internal parts of the tool. A filter also increase the efficiency and useful of the tool. The filter must be checked on a daily basis and if necessary drained.



- For better performance, install a 3/8" quick connector (1/4" NPT threads) with an inside diameter of .315" on your tool and a 3/8" quick coupler on the air hose.

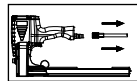
The following illustration shows the correct mode of connection to the air supply system which will increase the efficiency and useful life of the tool.



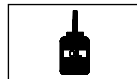
## LUBRICATION AND MAINTENANCE



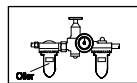
**NOTE**



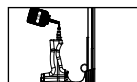
- Disconnect the air supply from the tool before lubricating.



- Your tool requires lubrication before you use it for the first time.



- Wipe off excessive oil at the exhaust. Excessive oil will damage O-rings of tool. If in-line oiler is used, manual lubrication through the air inlet is not required on a daily basis.



- Turn the tool so the inlet is facing up and put one drop of high speed spindle oil, UNOCAL RX22, or 3-IN-1 oil into air inlet. Never use detergent oil or additives. Operate the tool briefly after adding oil.

## LOADING THE TOOL



**WARNING**

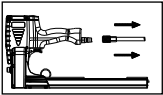


- Do not place your hand or any part of your body in the fastener discharge area of the tool when connecting or disconnecting air supply.

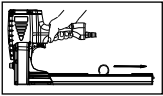
**WARNING**



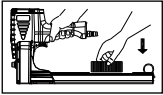
• Do not point the tool to wards yourself or anyone nearby.



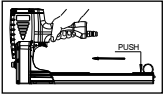
1. Disconnect air hose.



2. Depress the magazine latch. Pull back on the magazine cover.



3. Place the staples in the magazine with point end staples face toward the nose. Also ensuring fasteners are not dirty or damaged.



4. Push the magazine cover forward until the latch catches.

**OPERATING THE TOOL**

**WARNING**



Protect your eyes and ears. Wear z87.1 safety glasses with side shields. Wear hearing protection. Employers and users are responsible for ensuring the user or anyone near the tool wear this safety protection.

**NOTE**

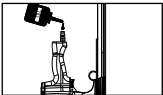


Fig.1

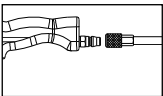


Fig.2

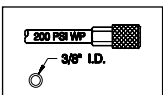


Fig.3

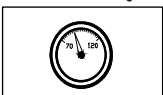


Fig.4

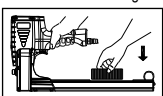
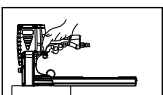


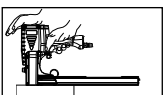
Fig.5

Check and replace any damaged or worn components on the tool. The safety warning labels on the tool must also be replaced if they are not legible.

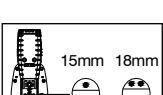
1. Add a few drops of UNOCAL RX22 or 3-in-1 oil into the air inlet. (See Fig. 1)
2. Attach a high flow quick connect fitting to the tool. (See Fig. 2)
3. Empty the magazine.
4. Connect the tool to an air compressor using a 3/8" I.D. hose. Make sure the hose has a rated working pressure exceeding 200 PSI (13.8bar) and a female quick coupler. (See Fig. 3)
5. Regulate the air pressure to obtain 70 PSI (4.8 bar) at the tool. (See Fig. 4.)
6. Disconnect the air supply from the tool.
7. Load fasteners into your tool following the instructions in this manual. (See Fig. 5)
8. Reconnect the air supply to the tool.



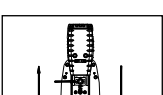
Hold the tool against the box.



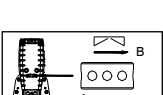
One hand press on top of the tool and the other hand. Pull the trigger.



The tool is adjustable for 15 or 18mm staples. The tool setting for a different staple leg length is altered as follows.  
 1. Slacken the locking screw underneath with a 2.5 mm Allen key.  
 2. Set the required staple leg length.  
 3. Tighten the locking screw.



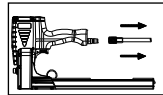
The depth of the stapling claws is easily adjusted by using the adjustable button. Press the knob in and then turn it to the required position. ← = shallow stapling → = deep stapling.



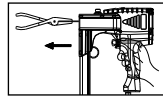
The amount that the staple closes can be adjusted. Turn the adjusting nut to right (A) to close it more firmly and to left (B) for a less firm staple closure.

**CLEARING A JAM FROM THE TOOL**

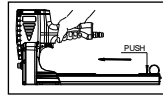
**WARNING**



Disconnect the tool from air compressor before adjusting, clearing jams, servicing, relocating and during non-operation.



1. Fastener jammed in fastener discharge area:
  - Disconnect tool from air hose.
  - Grab jammed fastener with pliers and remove.



2. Fastener jam inside magazine:
  - Disconnect air tool from air hose.
  - Pull back on fastener pusher until locked.
  - Removed jammed fastener.
  - Release fastener pusher.

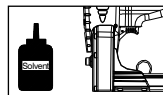
**CLEANING THE TOOL**

**DANGER**

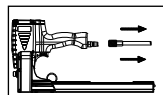


Never use gasoline or other flammable liquids to clean the tool. Vapors in the tool will ignite by a spark and cause the tool to explode and result in death or serious personal injury.

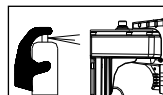
**NOTE**



Solvents used to clean the nose of the tool and contact safety trip mechanism may soften the tar on the shingles and cause the buildup to be accelerated. Make sure to dry the tool thoroughly after cleaning and before operating the tool again.



1. Disconnect the air supply from the tool.



2. Remove tar buildup with kerosene #2 fuel oil or diesel fuel. Do not allow solvent to get into the cylinder or damage may occur. Dry off the tool completely before use.

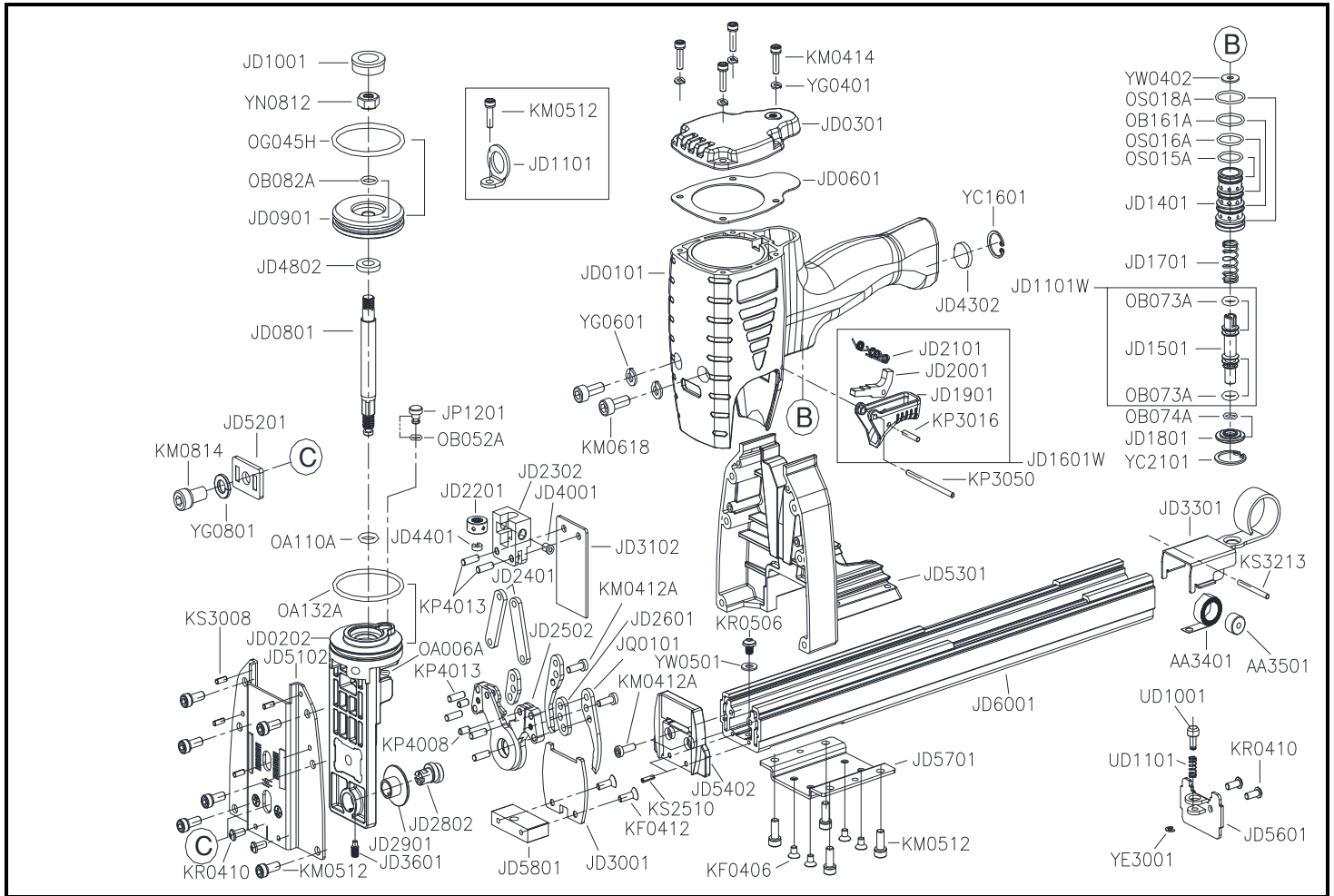
**TROUBLESHOOTING**

Stop using the tool immediately if any of the following problems occur. Serious personal injury could. Any repairs or replacements must be done by a qualified person or an authorized service center only.

PROBLEM	PROBABLE CAUSE	REMEDY
Air leaking at trigger valve area.	O-rings in trigger valve housing are damaged.	O-rings must be replaced.
Air leaking between housing and nose.	Loose screws in housing. Damaged to bumper.	Screws need to be tightened. O-rings must be replaced.
Air leaking between housing and cap assy.	Damage to bumper. Loose screws. Damaged seal.	Bumper needs to be tightened. Screws need to be tightened. Seal needs to be replaced.
Tool skips driving fastener.	Worn bumper. Dirt in nose. Dirt or damage prevents fasteners from moving freely in magazine. Inadequate air flow to tool. Worn O-ring on piston or lack of lubrication. Damaged O-rings on trigger valve. Air leaks. Cap seal leaking.	Bumper needs to be replaced. Clean. Magazine needs to be cleaned. Fitting hose or air compressor needs to be checked. O-ring needs to be replaced. Lubricate. O-rings need to be replaced. Screws and fittings need to be tightened. Seal needs to be replaced.
Tool runs slow or has loss of power.	Tool not lubricated sufficiently. Broken spring in cap assy. Exhaust port in cap is blocked.	Tools needs to be lubricated. Spring needs to be replaced. Damaged internal parts need to be replaced.
Fasteners are jammed in tool.	Driver nozzle worn or damaged. Driver is damaged. Fasteners are not correct size. Fasteners are bent. Magazine or nose screws are loose.	Replace driver nozzle. Replace driver. Fasteners recommended for tool must be used. Replace with undamaged fastener. Screws need to be tightened.
Trigger valve stem doesn't working	Broken compression spring.	Replace compression spring.

# A3522SN04 (JP/22A-04)

A



Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty
AA3401	PUSHER SPRING		1	JD4001	FIXED PLATE SET		1	OA006A	O-RING	ARP568-006	1
AA3501	ROLLER		1	JD4302	MUFFLER		1	OA110A	O-RING	ARP568-110	1
JD0101	BODY		1	JD4401	BUSHING		1	OA132A	O-RING	ARP568-132	1
JD0202	BODY(2)		1	JD4802	FLAT WASHER		1	OB052A	O-RING	5×1.5	1
JD0301	CYLINDER CAP		1	JD5102	FRONT SECTION		1	OB073A	O-RING	7×2.5	2
JD0601	CAP SEAL		1	JD5201	ADJUST SUPPORT		1	OB074A	O-RING	7×1.5	1
JD0801	PISTON ROD		1	JD5301	REAR BODY		1	OB082A	O-RING	φ8×1.5	1
JD0901	MAIN PISTON		1	JD5402	GUIDE PLATE		1	OB161A	O-RING	16×1.5	1
JD1001	BUMPER		1	JD5601	STOP PLATE		1	OG045H	O-RING	G45	1
JD1101	HANGER		1	JD5701	CONNECT SET		1	OS015A	O-RING	S-15	1
JD1101W	TRIGGER VALVE ASSY.		1	JD5801	DISTANCE SET		1	OS016A	O-RING	S-16	1
JD1401	TRIGGER VALVE SEAT		1	JD6001	MAGAZINE SEAT		1	OS018A	O-RING	S-18	1
JD1501	TRIGGER VALVE STEM		1	JP1201	STEM		1	UD1001	STOP PIN		1
JD1601W	TRIGGER ASSY.		1	JQ0101	ANVIL HOOK		2	UD1101	COMPRESSION SPRING		1
JD1701	COMPRESSION SPRING		1	KF0406	FLAT HD.BOLT	M4×0.7 - 6L	4	YC1601	C-RING	φ16	1
JD1801	TRIGGER VALVE GUIDE		1	KF0412	FLAT HD.BOLT	M4×0.7 - 12L	2	YC2101	C-RING	φ21	1
JD1901	TRIGGER		1	KM0412A	HEX.SOC.HD.BOLT	M4×0.7 - 12L	4	YE3001	E-RING	φ3.0	1
JD2001	CONTACT LEVER		1	KM0414	HEX.SOC.HD.BOLT	M4×0.7 - 14L	4	YG0401	SPRING WASHER	φ4	4
JD2101	SPRING		1	KM0512	HEX.SOC.HD.BOLT	M5×0.8 - 12L	11	YG0601	SPRING WASHER	φ6	2
JD2201	ADJUSTING WHEEL		1	KM0618	HEX.SOC.HD.BOLT	M6×1.0 - 18L	2	YG0801	SPRING WASHER	φ8	1
JD2302	ADJUSTABLE SEAT		1	KM0814	HEX.SOC.HD.BOLT	M8×1.25 - 14L	1	YN0812	HEX.NUT	M8×1.25	1
JD2401	LINK		2	KP3016	PARALLEL PIN	φ3×16L	1	YW0402	FLAT WASHER	φ4	1
JD2502	ANVIL HOLDER		2	KP3050	PARALLEL PIN	φ3×50L	1	YW0501	FLAT WASHER	φ5	1
JD2601	SPACER		2	KP4008	PARALLEL PIN	φ4×8L	2				
JD2802	PENETRATION ECCENTRIC		1	KP4013	PARALLEL PIN	φ4×13L	6				
JD2901	BUSHING		1	KR0410	BUTTON HD.BOLT	M4×0.7 - 10L	2				
JD3001	COVER PLATE		1	KR0506	BUTTON HD.BOLT	M5×0.8 - 06L	1				
JD3102	DRIVER		1	KS2510	SPRING PIN	φ2.5-10L	2				
JD3301	PUSHER		1	KS3008	SPRING PIN	φ3-8L	4				
JD3601	RETAINER SCREW		1	KS3213	SPRING PIN	φ1/8"×1/2L	1				

★☆☆ If you need to order parts, please mark both Parts No. and Description. ☆☆☆

2020/9/8