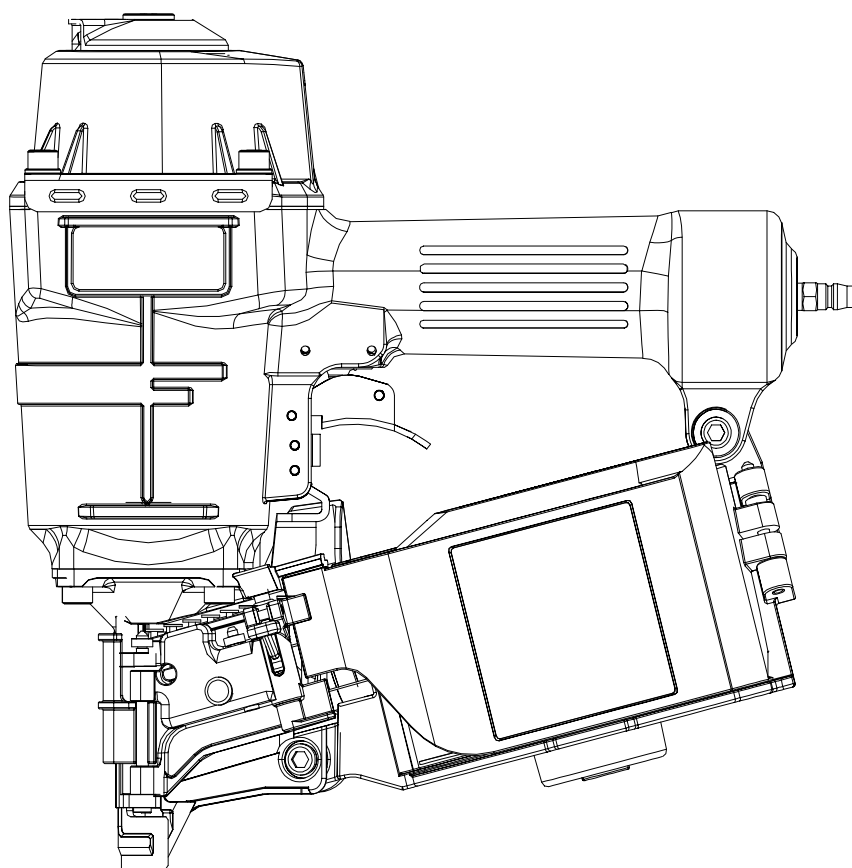


OPERATING INSTRUCTIONS AND PARTS MANUAL

# MODEL C-55PA

## Coil Nailer



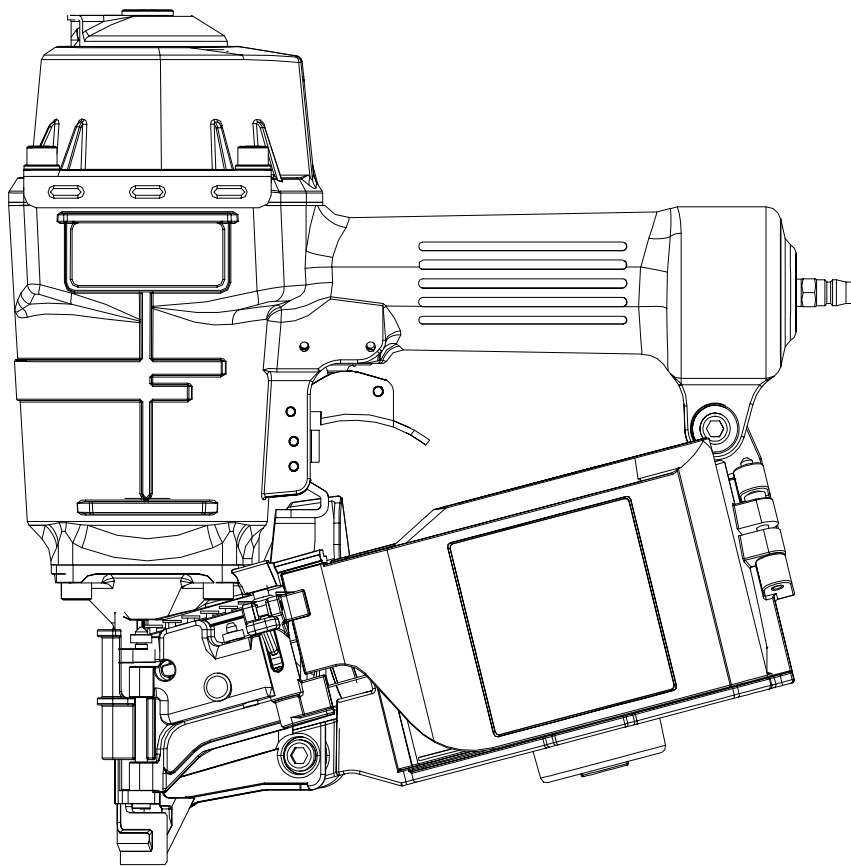
CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

**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 C-55PA

## Coil Nailer



CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

## TOOL SPECIFICATIONS

MODEL OF TOOL .....	C-55PA
TOOL LENGTH .....	10.35" (263 mm)
TOOL HEIGHT .....	10.79" (274 mm)
TOOL WIDTH .....	5.27" (134 mm)
WEIGHT (WITHOUT FASTENERS) .....	5.95 lbs (2.7 kg)
AIR INLET .....	1/4" NPT
<b>COMPRESSED AIR :</b>	
Maximum permissible operating pressure .....	115 PSIG (8 bar)
Recommended operating pressure range .....	75 ~ 110 PSIG (5 ~ 7.5 bar)
AIR CONSUMPTION.....	0.04306 scfm with 25 nails per minute @ 100 psi (6.9 bar)

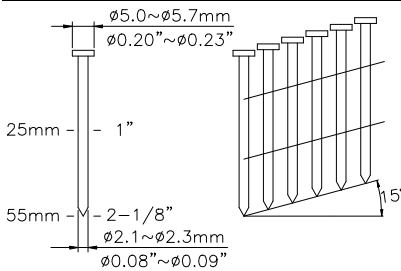
<b>Noise dB(A) :</b>	
A-weighted sound pressure level LpA.....	86.14 dB(A)
A-weighted sound power level LwA.....	99.14 dB(A)
Measurement uncertainty: 3dB	
<b>Vibration (m/s<sup>2</sup>) :</b>	
Hand-arm vibration value.....	4.41 m/s <sup>2</sup>
Measurement uncertainty: 1.5 m/s <sup>2</sup>	

### 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 C-55PA :

Shank Dia.	Head Dia.	MAGAZINE
φ 2.1 ~ φ 2.3 mm φ 0.08 " ~ φ 0.09 "	φ 5.0 ~ φ 5.7 mm φ 0.20 " ~ φ 0.23 "	300 pcs



### Foreword:

This pneumatic coil nailer is designed for blocking, pallet making and crate and box assembling. Its well balanced, ergonomic, comfort non-slip cushioned grip and heavy duty driving compatible staples to proper applications ensure you a satisfactory tackle and enjoy work. Fast speed improves work efficiency.

### Suitable applications:

Blocking, pallet making, crate and box assembling.

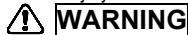
### Caution:

Coil nailers are only applying on wood. 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

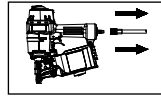


**DANGER**

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 marked with an inverted equilateral triangle standing on one point may only be used with an effective safety yoke.
5. 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.
6. For the maintenance of fastener driving tools, only spare parts specified by the manufacturer or his authorized representative shall be used.
7. 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.
8. 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.

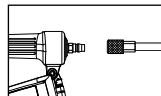
9. Fastener driving tools operated by compressed air shall only be connected to compressed air lines where the maximum allowable pressure cannot be exceeded by a factor of more than 10%, which can for example be achieved by a pressure reduction valve which includes a downstream safety valve.
10. When using fastener driving tools operated by compressed air, particular attention must be paid to avoid exceeding the maximum allowable pressure.
11. 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.
12. Hazards caused by fire and explosion when using oxygen or combustible gases for operating compressed air operated fastener driving tools.
13. 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.



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



15. Wear eye protection.



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



17. 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.



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

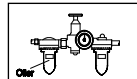


19. Do not use on scaffoldings, ladders.

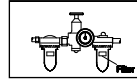
## AIR SUPPLY AND CONNECTION



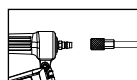
**NOTE**



- 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.

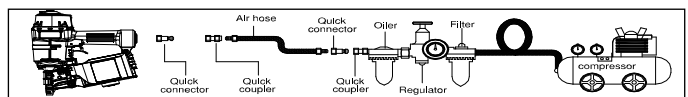


- Many air tool user find it convenient to use a filter to remove liquid and impurities which can rust or wear internal parts of the tool. A filter also increase the efficiency and useful of the tool. The filter must be checked on a daily basis and if necessary drained.



- 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.

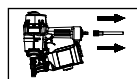
The following illustration shows the correct mode of connection to the air supply system which will increase the efficiency and useful life of the tool.



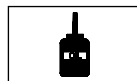
## LUBRICATION AND MAINTENANCE



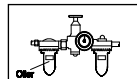
**NOTE**



- 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.

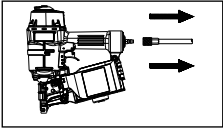
## LOADING THE TOOL

### ⚠️ WARNING

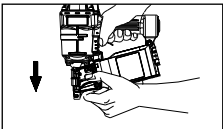
- Do not place your hand or any part of your body in the fastener discharge area of the tool when connecting or disconnecting air supply.

### ⚠️ WARNING

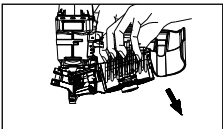
- Never point any operational fastener driving tool at yourself or at any other person.



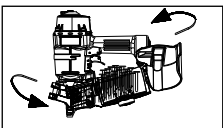
1. Disconnect air hose.



2. Press down on the feeder door latch and lift open feed door. Fold back magazine cover.



3. Place the nail coil in the magazine. Make sure nail tip face down and nails have no damages.



4. Close canister cover. And then close door. Make sure door latch is fully latched.

## 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

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.

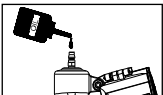


Fig.1

1. Add a few drops of UNOCAL RX22 or 3-in-1 oil into the air inlet. (See Fig. 1)

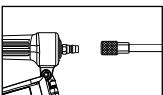


Fig.2

2. Attach a high flow quick connect fitting to the tool. (See Fig. 2)

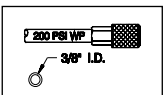


Fig.3

3. Empty the magazine.

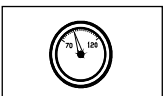


Fig.4

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)



Fig.5

5. Regulate the air pressure to obtain 70 PSI (4.8 bar) at the tool. (See Fig. 4)

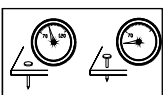


Fig.6

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.

9. Test for proper fastener penetration by driving nails into a sample piece of wood. If the fasteners do not achieve the desired penetration, adjust the air pressure to a higher setting until the desired penetration is achieved. Do not exceed 110 PSI (7.6 bar) at the tool. (See Fig. 6)

## CONTACT SAFETY TRIP MECHANISM

OPERATING A CONTACT SAFETY TRIP TOOL :



- The operator requires finger to be off the trigger and the nose of the tool to be placed on the workpiece.



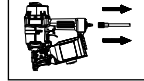
- The contact safety trip mechanism is then depressed against the workpiece and the trigger is pulled to drive a fastener.



- The trigger is released after each fastener is driven.

- Move the tool to next location and the above procedure repeated.

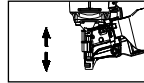
CHECKING OPERATION OF CONTACT SAFETY TRIP MECHANISM:



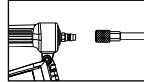
- Disconnect the air supply from the tool.



- Empty the magazine.



- Make sure the trigger and contact safety trip mechanism move up and down without any sticking.



- Connect air supply to the tool.



- Depress the contact safety trip mechanism against the workpiece without pulling the trigger. The tool must not cycle. Never use the tool if a cycle occurs.



- Hold the tool clear of the workpiece. The contact safety trip mechanism should return to its original down position. Pull the trigger. The tool must not cycle. Never use the tool if a cycle occurs.



- Depress the contact safety mechanism again the workpiece and pull the trigger, the tool must cycle.

## CLEARING A JAM FROM THE TOOL

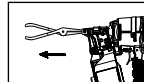
### ⚠️ WARNING

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

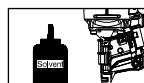
### ⚠️ DANGER ⚠️

Never use gasoline or other flammable liquids to clean the tool. Va pors 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.



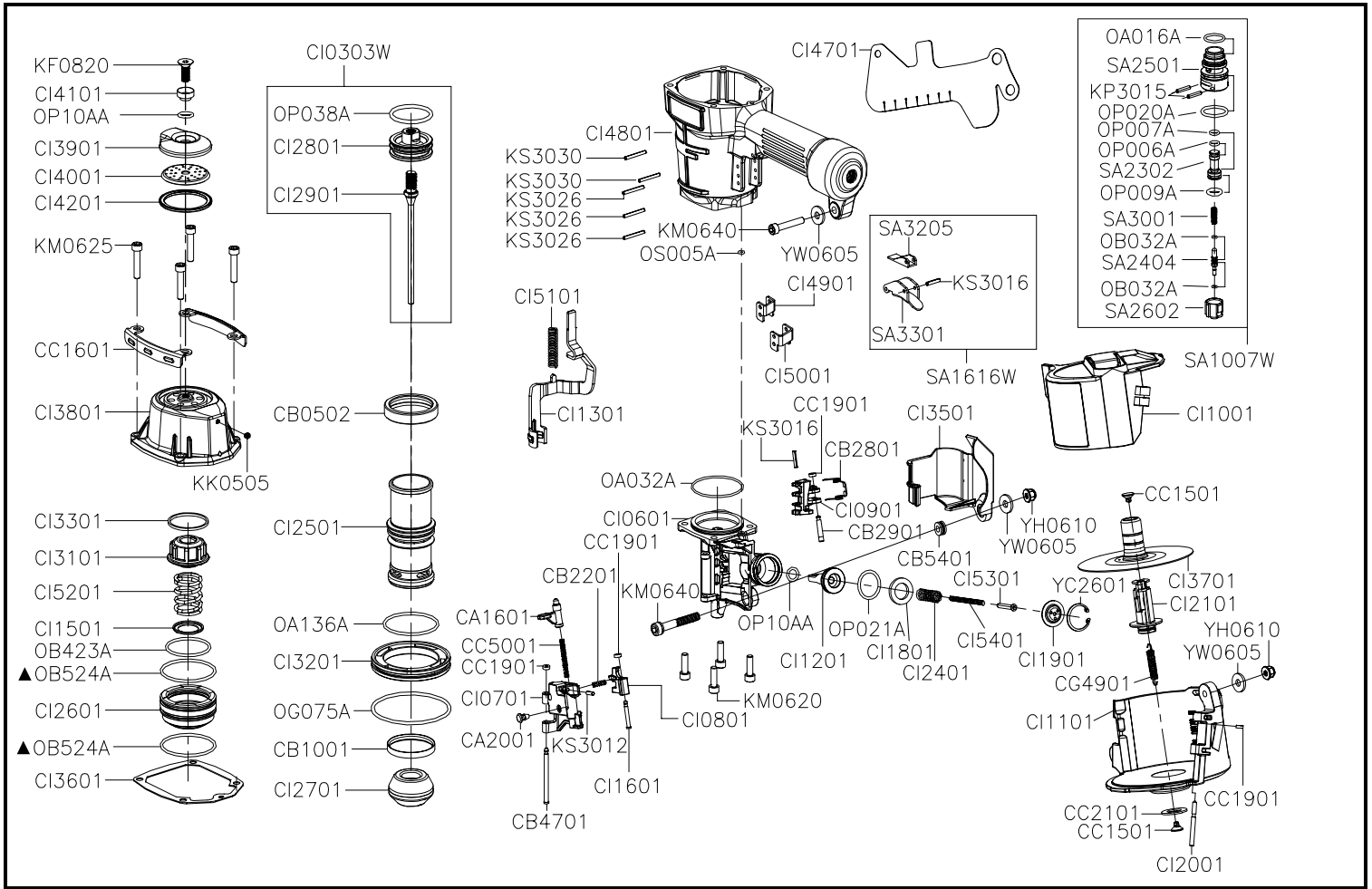
1. Disconnect the air supply from the tool.



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.

# C55PAFSB09 (CI/S1-09)

b



Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty
CA1601	DOOR LATCH		1	CI2801	MAIN PISTON		1	OB032A	O-RING	2.5×1.4	2
CA2001	GROMMET		1	CI2901	DRIVER		1	OB423A	O-RING	41.5×2.62	1
CB0502	CYLINDER RING		1	CI3101	PISTON STOP		1	▲ OB524A	O-RING	52.0×2.7	2
CB1001	CHECK SEAL		1	CI3201	CYLINDER RING		1	OG075A	O-RING	G75	1
CB2201	COMPRESSION SPRING		1	CI3301	PISTON STOP RING		1	OP006A	O-RING	P6	1
CB2801	SPRING		1	CI3501	TRIP COVER		1	OP007A	O-RING	P7	1
CB2901	PIN		1	CI3601	CAP SEAL		1	OP009A	O-RING	P9	1
CB4701	PIN		1	CI3701	FIXED SEAT		1	OP020A	O-RING	P20	1
CB5401	FIXED LUMP		1	CI3801	CYLINDER CAP		1	OP021A	O-RING	P21	1
CC1501	SPRING RECEIVER		2	CI3901	EXHAUST CAP		1	OP038A	O-RING	P38	1
CC1601	WEAR PLATE		2	CI4001	SILENCER PLATE		1	OP10AA	O-RING	P10A	2
CC1901	BUSHING		4	CI4101	EXHAUST CAP RING		1	OS005A	O-RING	S-5	1
CC2101	RETAINER POST		1	CI4201	SKIDPROOF RING		1	SA1007W	RESTRICTIVE TRIGGER ASSY.		1
CC5001	COMPRESSION SPRING		1	CI4701	DUST SHIELD		1	SA1616W	TRIGGER ASSY.		1
CG4901	PULL SPRING		1	CI4801	BODY		1	SA2302	PILOT VALVE		1
CI0303W	DRIVER ASSY.		1	CI4901	INNER SAFETY GUIDE		1	SA2404	TRIGGER VALVE STEM		1
CI0601	NOSE		1	CI5001	OUTER SAFETY GUIDE		1	SA2501	TRIGGER VALVE SEAT		1
CI0701	DOOR		1	CI5101	COMPRESSION SPRING		1	SA2602	TRIGGER VALVE SEAT		1
CI0801	HOLDING PAWL		1	CI5201	COMPRESSION SPRING		1	SA3001	COMPRESSION SPRING		1
CI0901	FEED PAWL		1	CI5301	PIN		1	SA3205	CONTACT LEVER		1
CI1001	CANISTER COVER		1	CI5401	COMPRESSION SPRING		1	SA3301	TRIGGER		1
CI1101	CANISTER		1	KF0820	FLAT HD.BOLT	M8×1.0-20L	1	YC2601	C-RING	∅ 26	1
CI1201	FEED PISTON CAP		1	KK0505	HEX.SOC.SET SCREW	M5×0.8-5L	1	YH0610	LOCK NUT	M6×1.0	2
CI1301	SAFETY		1	KM0620	HEX.SOC.HD.BOLT	M6×1.0-20L	4	YW0605	FLAT WASHER	∅ 6	3
CI1501	TRIP COVER		1	KM0625	HEX.SOC.HD.BOLT	M6×1.0-25L	4				
CI1601	PIN		1	KM0640	HEX.SOC.HD.BOLT	M6×1.0-40L	2				
CI1801	PISTON BUMPER		1	KP3015	PARALLEL PIN	∅ 3×15L	2				
CI1901	FEED PISTON CAP		1	KS3012	SPRING PIN	∅ 3-12L	1				
CI2001	PIN		1	KS3016	SPRING PIN	∅ 3-16L	2				
CI2101	MAGAZINE POST		1	KS3026	SPRING PIN	∅ 3-26L	3				
CI2401	COMPRESSION SPRING		1	KS3030	SPRING PIN	∅ 3-30L	2				
CI2501	CYLINDER		1	OA016A	O-RING	ARP568-016	1				
CI2601	HEAD VALVE PISTON		1	OA032A	O-RING	ARP568-032	1				
CI2701	BUMPER		1	OA136A	O-RING	ARP568-136	1				

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