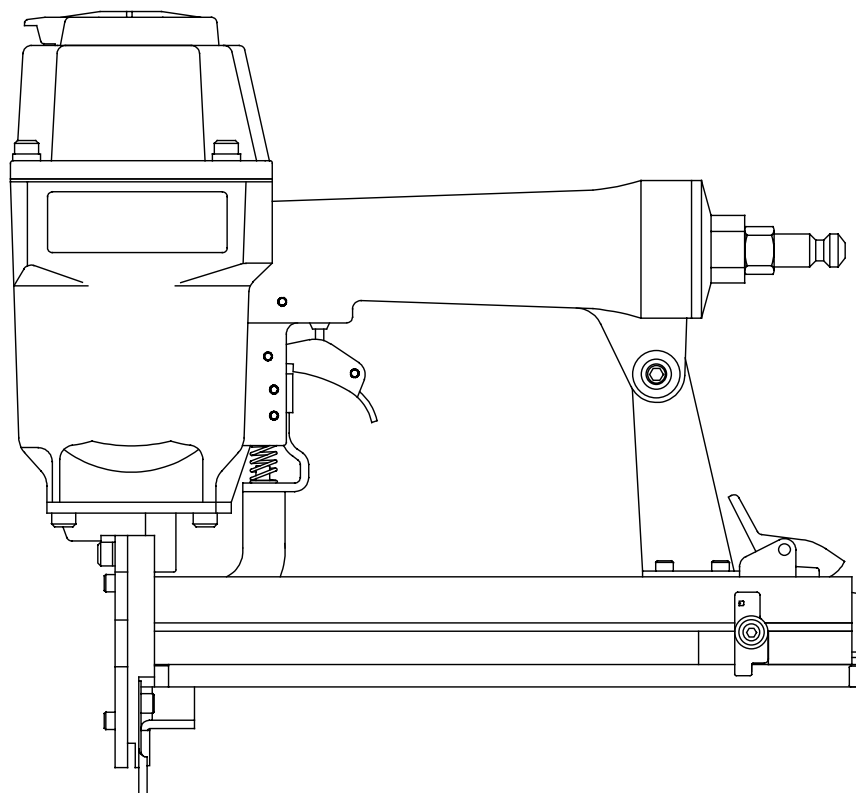


OPERATING INSTRUCTIONS AND PARTS MANUAL

MODEL CF-15S

Corrugated Fastener



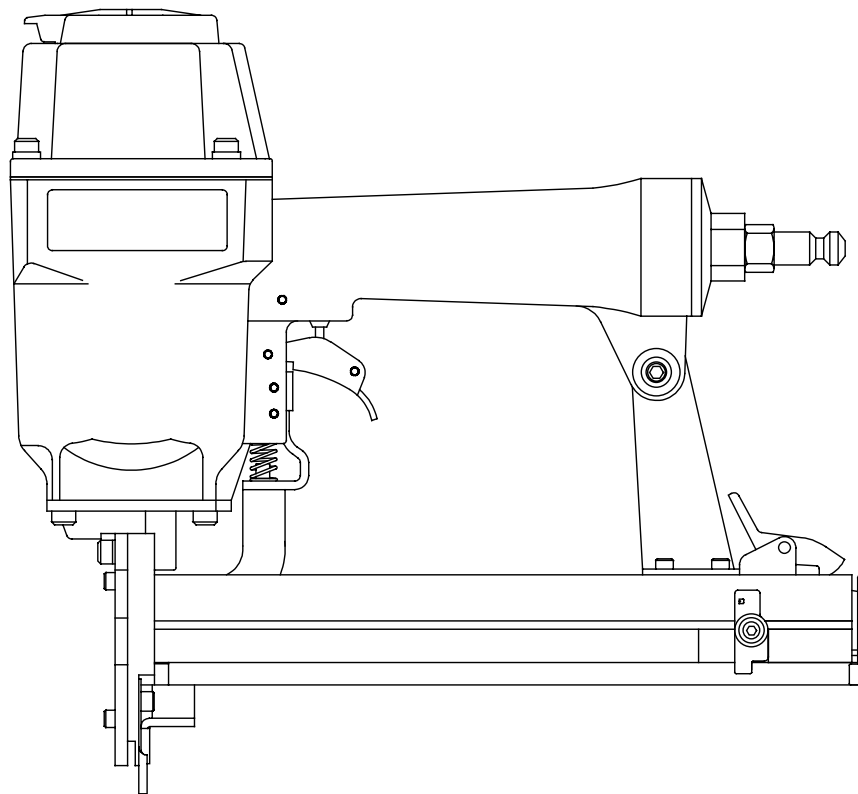
CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

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 CF-15S

Corrugated Fastener



CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

TOOL SPECIFICATIONS

MODEL OF TOOL	CF-15S
TOOL LENGTH	11.81" (300 mm)
TOOL HEIGHT	10.63" (270 mm)
TOOL WIDTH	3.62" (92 mm)
WEIGHT (WITHOUT FASTENERS)	5.28 lbs (2.4 kgs)
AIR INLET	1/4" NPT
COMPRESSED AIR :	
Maximum permissible operating pressure	115 PSIG (8 bar)
Recommended operating pressure range	65 ~ 110 PSIG (4.5 ~ 7.5 bar)
AIR CONSUMPTION.....	0.0449 scfm with 25 nails per minute @ 100 psi (6.9 bar)

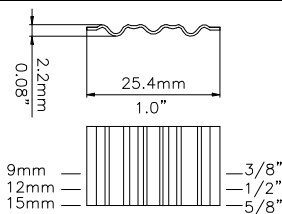
Noise dB(A) :	
A-weighted sound pressure level LpA.....	85.38 dB(A)
A-weighted sound power level LwA.....	98.38 dB(A)
Measurement uncertainty: 3dB	
Vibration (m/s²) :	
Hand-arm vibration value.....	3.15 m/s ²
Measurement uncertainty: 1.5 m/s ²	

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 CF-15S :

Crown	Thickness	MAGAZINE
25.4 mm , 1.0 "	2.2 mm , 0.08 "	80 pcs



Foreword:

This pneumatic nailer is designed for wooden joining and repair splits in wood. Its well balanced, ergonomic and comfort non-slip cushioned grip ensure you a satisfactory tackle and enjoy work.

Suitable applications:

Wooden joining, repair cracks in wood and picture frame assembly

Caution:

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.



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



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



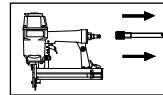
Alerts the operator to useful information.

SAFETY INSTRUCTIONS



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.

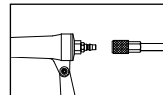
7. Repairs shall carried out by agents authorized by the manufacturer or by other specialists, having due regard to the information given in the operating instruction.
8. Stands for mounting the fastener driving tools to a support for example a work table shall be designed and constructed by the stand 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 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.
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.

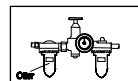


18. Never point tool at yourself or at any other person.

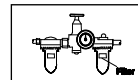


19. Do not use on scaffoldings, ladders.

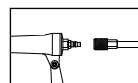
AIR SUPPLY AND CONNECTION



- 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.

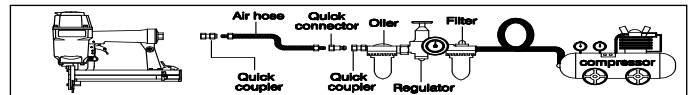


- Many air tool user find it convenient to use a filter to remove liquid and impurities which can rust or wear internal parts of the tool. A filter also increase the efficiency and useful of the tool. The filter must be checked on a daily basis and if necessary drained.

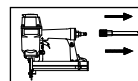


- For better performance, install a 3/8" quick connector (1/4" NPT threads) with an inside diameter of .315" on your tool and a 3/8" quick coupler on the air hose.

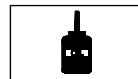
The following illustration shows the correct mode of connection to the air supply system which will increase the efficiency and useful life of the tool.



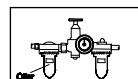
LUBRICATION AND MAINTENANCE



- 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.

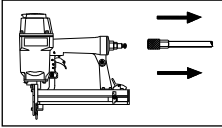
LOADING THE TOOL

⚠ WARNING

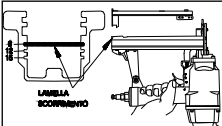
- Do not place your hand or any part of your body in the fastener discharge area of the tool when connecting or disconnecting air supply.

⚠ WARNING

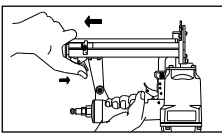
- Never point any operational fastener driving tool at yourself or at any other person.



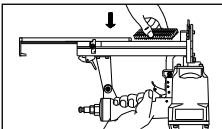
1. Disconnect air hose.



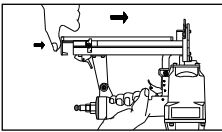
2. According to fasteners length (6/9/12/15mm) insert the Adjustment Rail to the proper rail.



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



4. Insert a stick of fasteners into the magazine. Make sure the pointed ends of the fasteners are loaded with the points upward. Also make sure fasteners are not dirty or damaged.



5. 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

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.

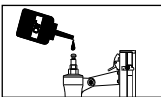


Fig. 1

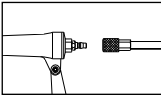


Fig. 2

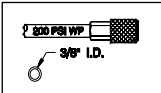


Fig. 3

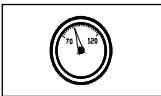


Fig. 4

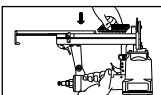


Fig. 5

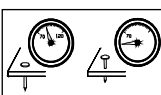
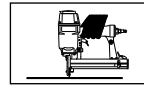


Fig. 6

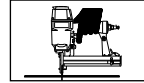
1. Add a few drops of UNOCAL RX22 or 3-in-1 oil into the air inlet. (See Fig. 1)
2. Attach a high flow quick connect fitting to the tool. (See Fig. 2)
3. Empty the magazine.
4. Connect the tool to an air compressor using a 3/8" I.D. hose. Make sure the hose has a rated working pressure exceeding 200 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.
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

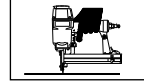
OPERATING A CONTACT SAFETY TRIP TOOL :



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



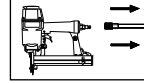
- The contact safety trip mechanism is then depressed against the workpiece and the trigger is pulled to drive a fastener.



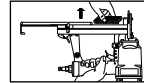
- The trigger is released after each fastener is driven.

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

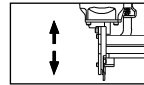
CHECKING OPERATION OF CONTACT SAFETY TRIP MECHANISM:



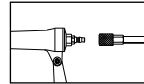
- Disconnect the air supply from the tool.



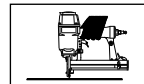
- Empty the magazine.



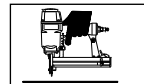
- Make sure the trigger and contact safety trip mechanism move up and down without any sticking.



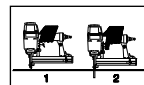
- Connect air supply to the tool.



- 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.

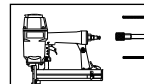


- Depress the contact safety mechanism again the workpiece and pull the trigger, the tool must cycle.

CLEARING A JAM FROM THE TOOL

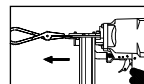
⚠ WARNING

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



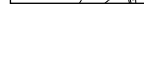
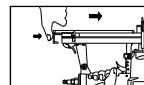
1. Fastener jammed in fastener discharge area:

- 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

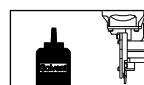
⚠ DANGER ⚠

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

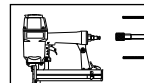


⚠ NOTE

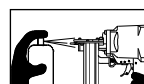
Solvents used to clean the nose of the tool and contact safety trip mechanism may soften the tar on the shingles and cause the buildup to be accelerated. Make sure to dry the tool thoroughly after cleaning and before operating the tool again.



1. Disconnect the air supply from the tool.

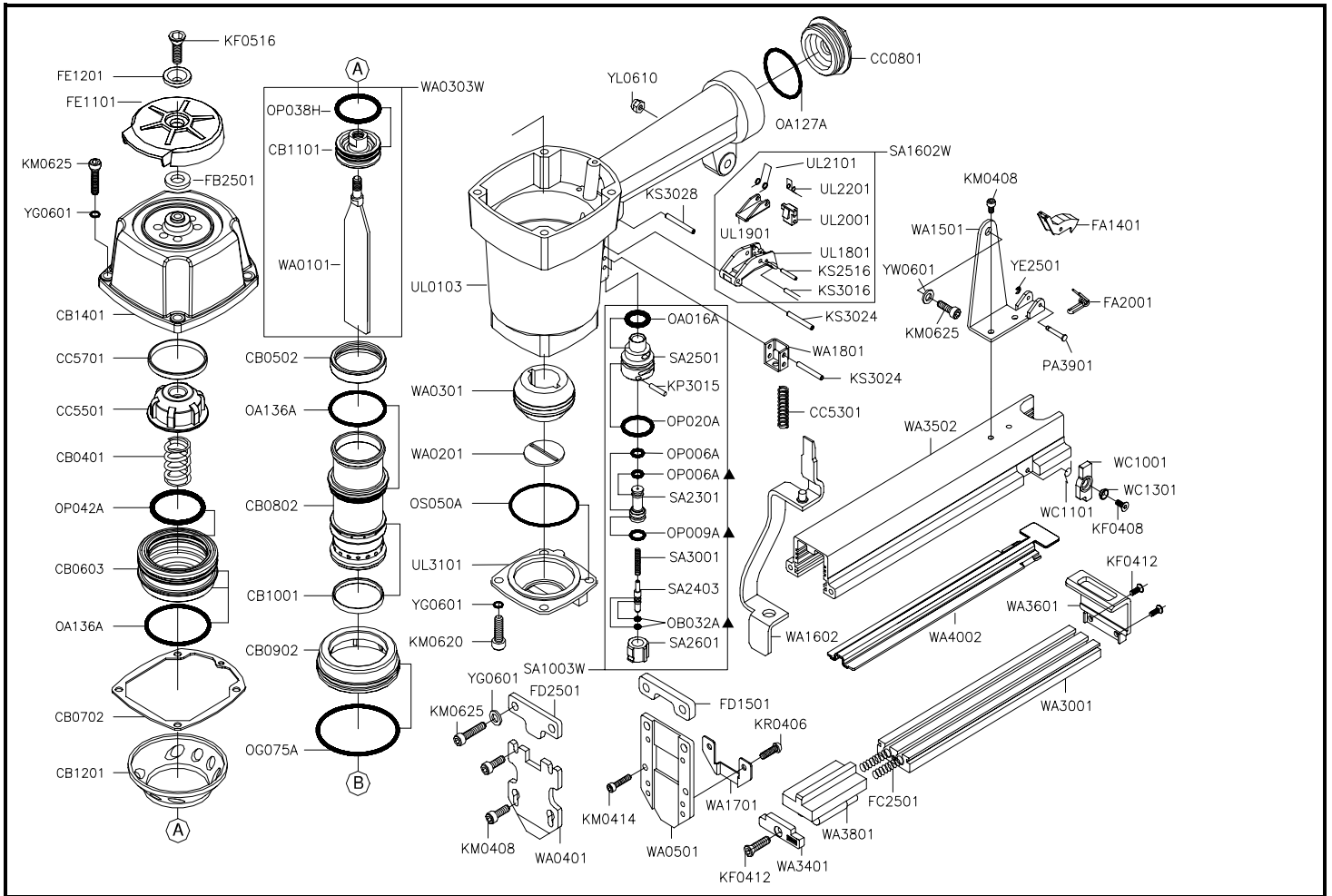


2. Remove tar buildup with kerosene #2 fuel oil or diesel fuel. Do not allow solvent to get into the cylinder or damage may occur. Dry off the tool completely before use.



CF-15SD12 (WA/S3-12)

C



Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty
CB0401	COMPRESSION SPRING		1	KR0406	BUTTON HD.BOLT	M4x0.7-6L	2	UL3101	SIDE PLATE(L.H.)		1
CB0502	CYLINDER RING		1	KS2516	SPRING PIN	∅ 2.5-16L	1	WA0101	DRIVER		1
CB0603	HEAD VALVE PISTON		1	KS3016	SPRING PIN	∅ 3-16L	1	WA0201	NOZZLE		1
CB0702	CAP SEAL		1	KS3024	SPRING PIN	∅ 3-24L	3	WA0301	BUMPER		1
CB0802	CYLINDER		1	KS3028	SPRING PIN	∅ 3-28L	1	WA0303W	DRIVER ASSY.		1
CB0902	CYLINDER RING		1	OA016A	O-RING	ARP568-016	1	WA0401	COVER PLATE(B)		1
CB1001	CHECK SEAL		1	OA127A	O-RING	ARP568-127	1	WA0501	GUIDE PLATE		1
CB1101	MAIN PISTON		1	OA136A	O-RING	ARP568-136	3	WA1501	SUPPORT		1
CB1201	COLLAR		1	▲ OB032A	O-RING	2.5x1.4	2	WA1602	SAFETY		1
CB1401	CYLINDER CAP		1	OG075A	O-RING	G75	1	WA1701	SAFETY GUIDE		1
CC0801	END CAP		1	▲ OP006A	O-RING	P6	2	WA1801	SAFETY GUIDE		1
CC5301	COMPRESSION SPRING		1	▲ OP009A	O-RING	P9	1	WA3001	MAGAZINE SEAT		1
CC5501	PISTON STOP		1	OP020A	O-RING	P20	1	WA3401	FRONT PLATE		1
CC5701	SPACER		1	OP038H	O-RING	37.7x3.5	1	WA3502	MAGAZINE CAP		1
FA1401	LATCH		1	OP042A	O-RING	P42	1	WA3601	STOP PLATE		1
FA2001	SPRING		1	OS050A	O-RING	S-50	1	WA3801	PUSHER		1
FB2501	PISTON STOP		1	PA3901	PIN		1	WA4002	ADJUSTMENT RAIL		1
FC2501	PUSHER SPRING		2	SA1003W	RESTRICTIVE TRIGGER ASSY.		1	WC1001	PUSHER STOP		1
FD1501	SPACER		1	SA1602W	TRIGGER ASSY.		1	WC1101	SPRING		1
FD2501	COVER PLATE(A)		1	SA2301	PILOT VALVE		1	WC1301	SCREW SEAT		1
FE1101	EXHAUST CAP		1	SA2403	TRIGGER VALVE STEM		1	YE2501	E-RING	∅ 2.5	1
FE1201	EXHAUST CAP RING		1	SA2501	TRIGGER VALVE SEAT		1	YG0601	SPRING WASHER	∅ 6	10
KF0408	FLAT HD.BOLT	M4x0.7-8L	1	SA2601	TRIGGER VALVE SEAT		1	YL0610	LOCK NUT	M6x1.0	1
KF0412	FLAT HD.BOLT	M4x0.7-12L	3	SA3001	COMPRESSION SPRING		1	YW0601	FLAT WASHER	∅ 6	1
KF0516	FLAT HD.BOLT	M5x0.8-16L	1	UL0103	BODY		1				
KM0408	HEX.SOC.HD.BOLT	M4x0.7-8L	6	UL1801	TRIGGER		1				
KM0414	HEX.SOC.HD.BOLT	M4x0.7-14L	2	UL1901	CONTACT LEVER		1				
KM0620	HEX.SOC.HD.BOLT	M6x1.0-20L	4	UL2001	STOP PLATE		1				
KM0625	HEX.SOC.HD.BOLT	M6x1.0-25L	7	UL2101	SPRING		1				
KP3015	PARALLEL PIN	∅ 3x15L	2	UL2201	SPRING		1				

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