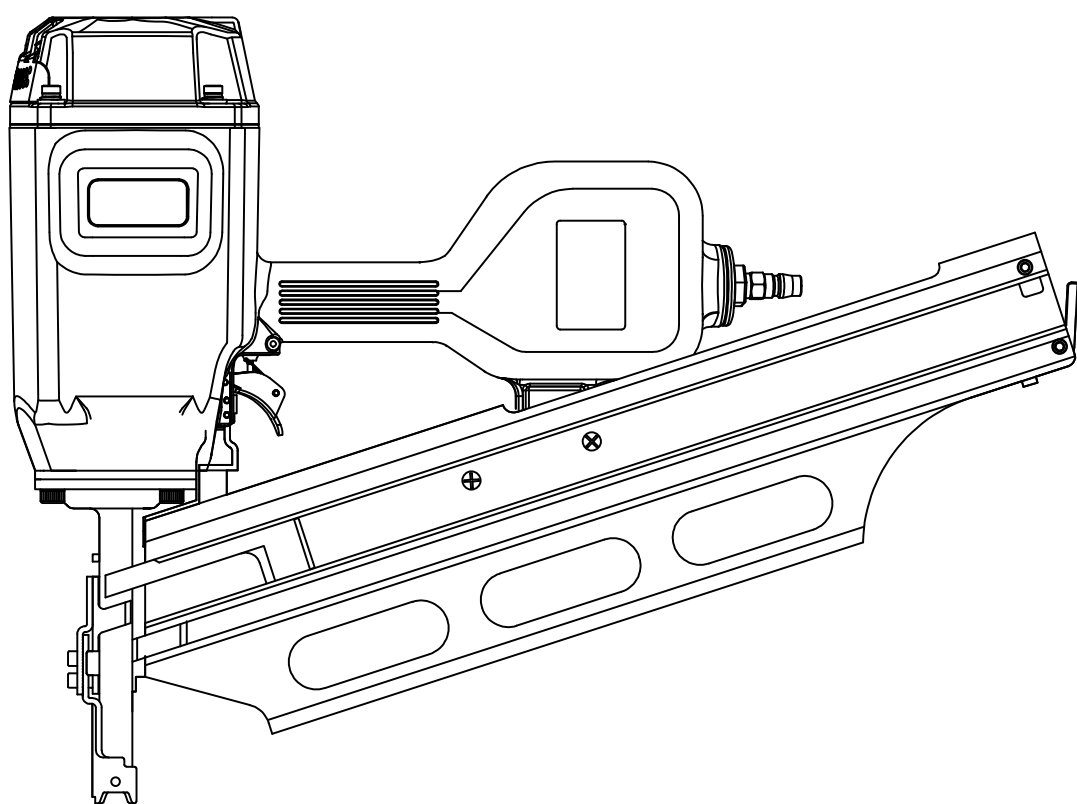


OPERATING INSTRUCTIONS AND PARTS MANUAL

MODEL S-130D

Framing Nailer



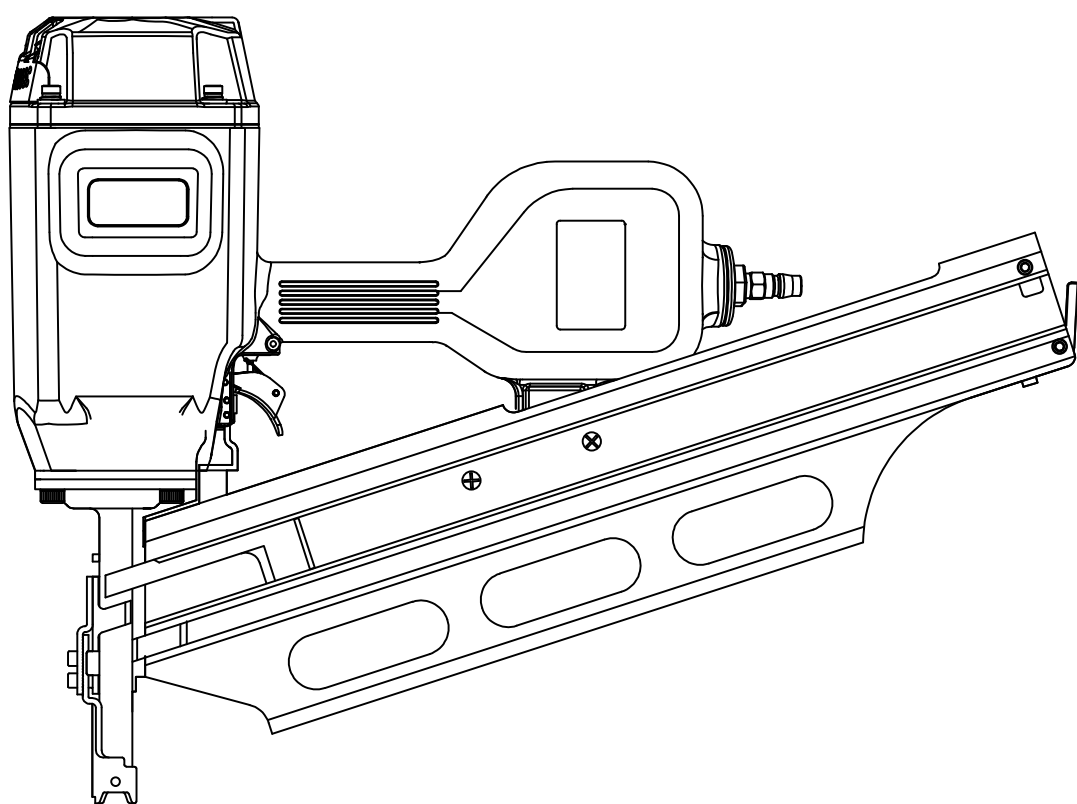
CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

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 S-130D

Framing Nailer



CAREFULLY READ THIS MANUAL BEFORE OPERATING TOOL

TOOL SPECIFICATIONS

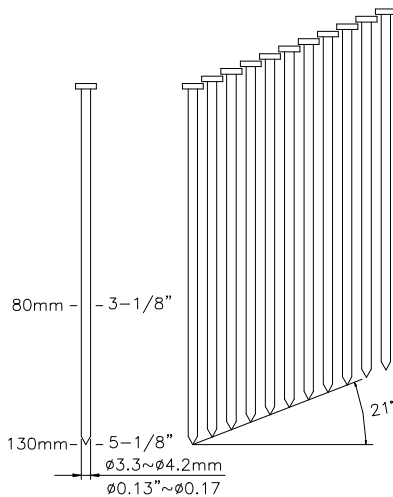
MODEL OF TOOL	S-130D
TOOL LENGTH	22.83" (580 mm)
TOOL HEIGHT	17.32" (440 mm)
TOOL WIDTH	6.26" (159 mm)
WEIGHT (WITHOUT FASTENERS)	11.4 lbs (5.2 kg)
AIR INLET	1/4" NPT
COMPRESSED AIR :	
Maximum permissible operating pressure	120 PSIG (8.5 bar)
Recommended operating pressure range	75 ~ 115 PSIG (5 ~ 8 bar)
AIR CONSUMPTION.....	0.121 scfm with 25 nails per minute @ 100 psi (6.9 bar)

Noise dB(A) :	
A-weighted sound pressure level LpA.....	87.08 dB(A)
A-weighted sound power level LwA.....	100.08 dB(A)
Measurement uncertainty: 3dB	
Vibration (m/s²) :	
Hand-arm vibration value.....	5.47 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 S-130D :

Shank Dia.	MAGAZINE
φ 3.3 ~ φ 4.2 mm , φ 0.13 " ~ φ 0.17 "	56 ~ 70 pcs



Foreword:
This pneumatic framing nailer is designed for truss building, 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. Rigid depth of drive adjustment is to adjust nailing penetration.

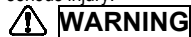
Suitable applications:
Truss building, blocking, pallet making and crate and box assembling.

Caution:
Framing 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.

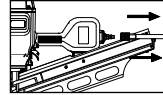
SAFETY INSTRUCTIONS



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 manufac-

turer or his authorized representative shall be used.

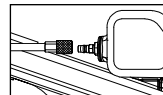
7. Repairs shall carried out by agents authorized by the manufacturer or by other specialists, having due regard to the information given in the operating instruction.
8. Stands for mounting the fastener driving tools to a support for example a work table shall be designed and constructed by the stand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

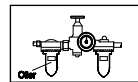


18. Never point tool at yourself or at any other person.

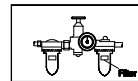


19. Do not use on scaffoldings, ladders.

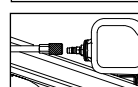
AIR SUPPLY AND CONNECTION



- 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.

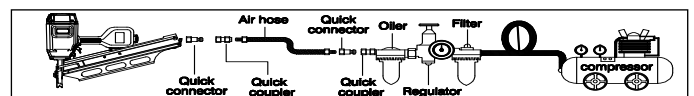


- Many air tool user find it convenient to use a filter to remove liquid and impurities which can rust or wear internal parts of the tool. A filter also increase the efficiency and useful of the tool. The filter must be checked on a daily basis and if necessary drained.

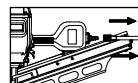


- For better performance, install a 3/8" quick connector (1/4" NPT threads) with an inside diameter of .315" on your tool and a 3/8" quick coupler on the air hose.

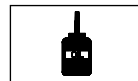
The following illustration shows the correct mode of connection to the air supply system which will increase the efficiency and useful life of the tool.



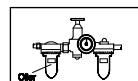
LUBRICATION AND MAINTENANCE



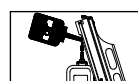
- Disconnect the air supply from the tool before lubricating.



- 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

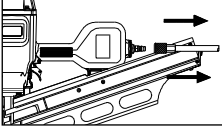


- Do not place your hand or any part of your body in the fastener discharge area of the tool when connecting or disconnecting air supply.

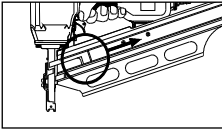
⚠ WARNING



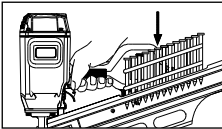
- Never point any operational fastener driving tool at yourself or at any other person.



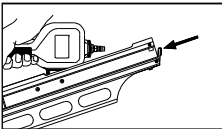
1. Disconnect air hose.



2. Pull the pusher back until the latch latches it.



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



4. Slightly pull back the pusher and push the latch to release the pusher. And carefully allow the pusher to slide forward until it makes contact with the rearmost nail stick.

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)

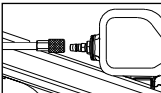


Fig.2

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

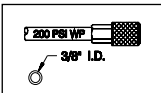


Fig.3

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)

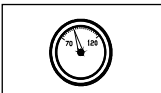


Fig.4

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



Fig.5

6. Disconnect the air supply from the tool.

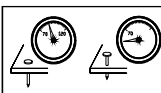


Fig.6

7. Load fasteners into your tool following the instructions in this manual. (See Fig. 5)

8. Reconnect the air supply to the tool.

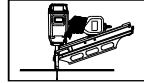
9. Test for proper fastener penetration by driving nails into a sample piece of wood. If the fasteners do not achieve the desired penetration, adjust the air pressure to a higher setting until the desired penetration is achieved. Do not exceed 110 PSI (7.6 bar) at the tool. (See Fig. 6)

CONTACT SAFETY TRIP MECHANISM

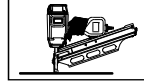
OPERATING A CONTACT SAFETY TRIP TOOL :



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



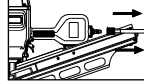
- The contact safety trip mechanism is then depressed against the workpiece and the trigger is pulled to drive a fastener.



- The trigger is released after each fastener is driven.

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

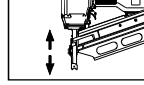
CHECKING OPERATION OF CONTACT SAFETY TRIP MECHANISM:



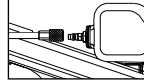
- Disconnect the air supply from the tool.



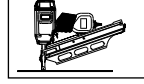
- Empty the magazine.



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



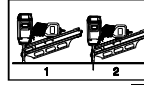
- Connect air supply to the tool.



- 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.



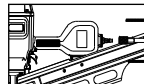
- Hold the tool clear of the workpiece. The contact safety trip mechanism should return to its original down position. Pull the trigger. The tool must not cycle. Never use the tool if a cycle occurs.



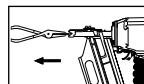
- Depress the contact safety mechanism again the workpiece and pull the trigger, the tool must cycle.

CLEARING A JAM FROM THE TOOL

⚠ WARNING

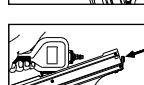


Disconnect the tool from air compressor before adjusting, clearing jams, servicing, relocating and during non-operation.



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

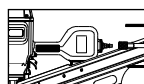
⚠ DANGER ⚠



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.



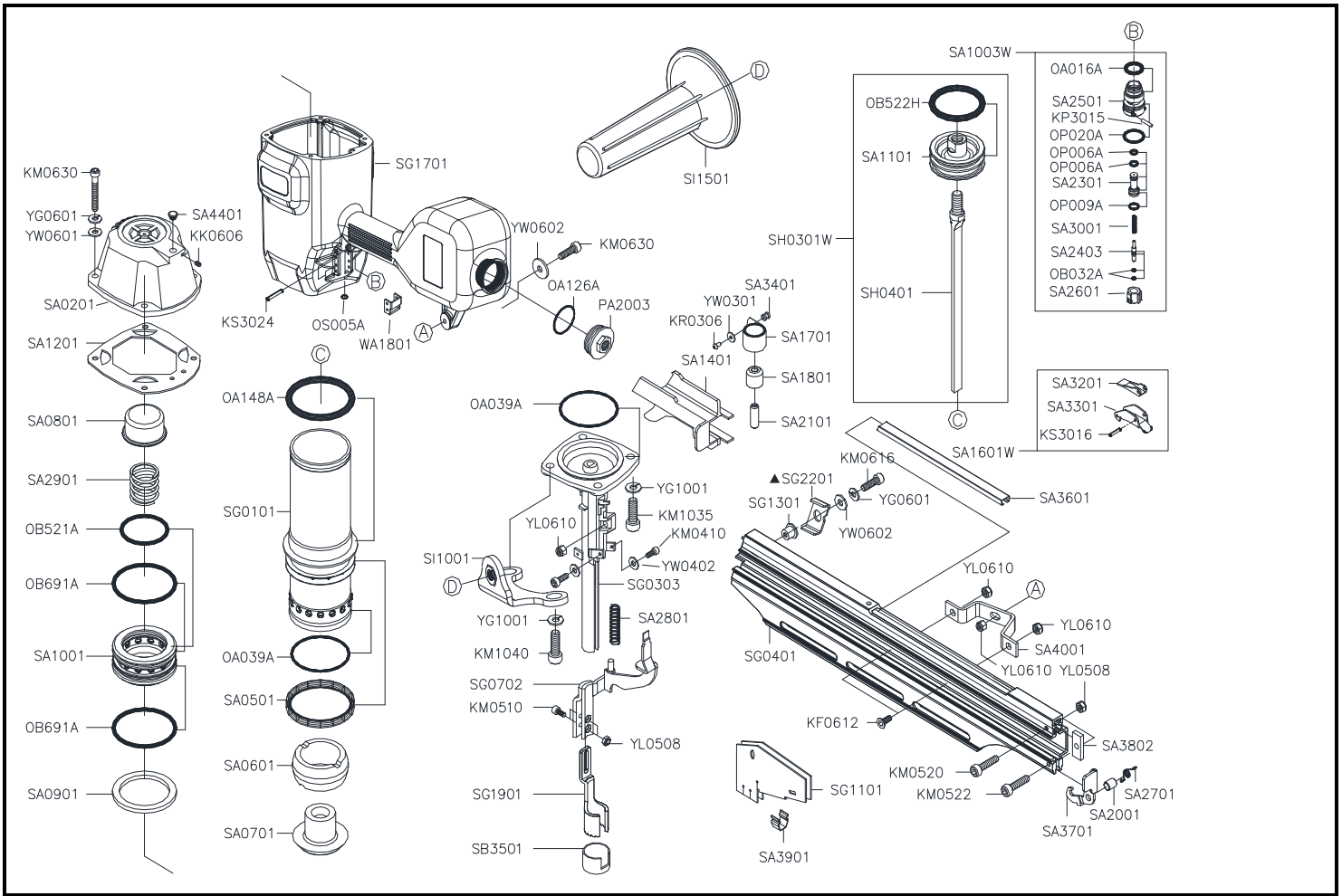
1. Disconnect the air supply from the tool.



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.

S130DC04 (SG/S2-04)

G



Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty	Part_No	Description	Spec	Q'ty
KF0612	FLAT HD.BOLT	M6×1.0 - 12L	2	SA0701	BOTTOM BUMPER		1	SB3501	SAFETY CUSHION		1
KK0606	HEX.SOC.SET SCREW	M6×1.0 - 6L	1	SA0801	PISTON STOP		1	SG0101	CYLINDER		1
KM0410	HEX.SOC.HD.BOLT	M4×0.7 - 10L	2	SA0901	HEAD VALVE SEAL		1	SG0303	NOSE		1
KM0510	HEX.SOC.HD.BOLT	M5×0.8 - 10L	2	SA1001	HEAD VALVE PISTON		1	SG0401	MAGAZINE SEAT		1
KM0520	HEX.SOC.HD.BOLT	M5×0.8 - 20L	1	SA1003W	RESTRICTIVE TRIGGER ASSY.		1	SG0702	SAFETY		1
KM0522	HEX.SOC.HD.BOLT	M5×0.8 - 22L	1	SA1101	MAIN PISTON		1	SG1101	DUST SHIELD		2
KM0616	HEX.SOC.HD.BOLT	M6×1.0 - 16L	1	SA1201	CAP SEAL		1	SG1301	SCREW SEAT		1
KM0630	HEX.SOC.HD.BOLT	M6×1.0 - 30L	5	SA1401	PUSHER		1	SG1701	BODY		1
KM1035	HEX.SOC.HD.BOLT	M10×1.5 - 35L	2	SA1601W	TRIGGER ASSY.		1	SG1901	WORK CONTACTING ELEMENT		1
KM1040	HEX.SOC.HD.BOLT	M10×1.5 - 40L	2	SA1701	PUSHER SPRING		1	▲ SG2201	SUPPORT		1
KP3015	PARALLEL PIN	φ3×15L	2	SA1801	ROLLER		1	SH0301W	DRIVER ASSY.		1
KR0306	BUTTON HD.BOLT	M3×0.5 - 6L	1	SA2001	LATCH BUSHING		1	SH0401	DRIVER		1
KS3016	SPRING PIN	φ3-16L	1	SA2101	ROLLER PIN		1	SI1001	HANDLE BRACKET		1
KS3024	SPRING PIN	φ3-24L	4	SA2301	PILOT VALVE		1	SI1501	HANDLE		1
OA016A	O-RING	ARP568-016	1	SA2403	TRIGGER VALVE STEM		1	WA1801	SAFETY GUIDE		1
OA039A	O-RING	ARP568-039	2	SA2501	TRIGGER VALVE SEAT		1	YG0601	SPRING WASHER	φ6	5
OA126A	O-RING	ARP568-126	1	SA2601	TRIGGER VALVE SEAT		1	YG1001	SPRING WASHER	φ10	4
OA148A	O-RING	ARP568-148	1	SA2701	SPRING		1	YL0508	LOCK NUT	M5×0.8	4
OB032A	O-RING	2.5×1.4	2	SA2801	COMPRESSION SPRING		1	YL0610	LOCK NUT	M6×1.0	4
OB521A	O-RING	51.5×3.1	1	SA2901	COMPRESSION SPRING		1	YW0301	FLAT WASHER	φ3	1
OB522H	O-RING	52.0×6.35	1	SA3001	COMPRESSION SPRING		1	YW0402	FLAT WASHER	φ4	2
OB691A	O-RING	68.5×2.95	2	SA3201	CONTACT LEVER		1	YW0601	FLAT WASHER	φ6	4
OP006A	O-RING	P6	2	SA3301	TRIGGER		1	YW0602	FLAT WASHER	φ6	2
OP009A	O-RING	P9	1	SA3401	SPRING SEAT		1				
OP020A	O-RING	P20	1	SA3601	NAIL GUIDE		1				
OS005A	O-RING	S-5	1	SA3701	LATCH		1				
PA2003	END CAP		1	SA3802	MAGAZINE RETAINER		1				
SA0201	CYLINDER CAP		1	SA3901	DUST SHIELD RING		1				
SA0501	CHECK SEAL		1	SA4001	SUPPORT		1				
SA0601	TOP BUMPER		1	SA4401	GROMMET		1				

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