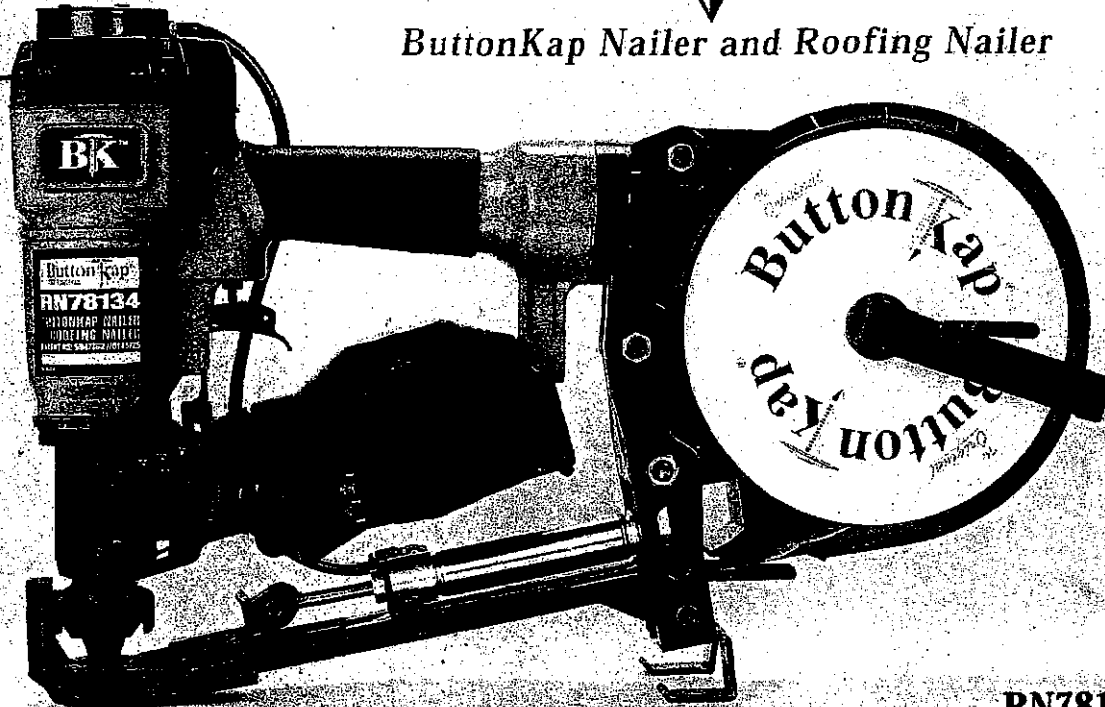


The Original

ButtonKap[®] PLUS



ButtonKap Nailer and Roofing Nailer



RN78134

OPERATING INSTRUCTIONS AND PARTS MANUAL FOR THE
RN78134 ButtonKap[®] PLUS NAILER

- ◆ Roofing Felt
- ◆ House Wrap
- ◆ Foam/Insulation

THANK YOU FOR PURCHASING
A GENUINE BUTTONKAP PRODUCT

**CAREFULLY READ AND UNDERSTAND THIS
MANUAL BEFORE OPERATING TOOL**

TOOL SPECIFICATIONS AND FEATURES

DIMENSIONS (LENGTH X HEIGHT X WIDTH).....	17 3/4" x 11 3/8" x 5" (450.8mm x 288.9mm x 127mm)
WEIGHT (WITHOUT FASTENERS).....	8.24 lbs (3.74kgs)
AIR INLET.....	1/4" NPT
COMPRESSED AIR:	
MAXIMUM PERMISSIBLE OPERATING PRESSURE.....	120psi (8.3 bar)
RECOMMENDED OPERATING PRESSURE RANGE.....	70-110 psi (4.8 – 7.6 bar)
AIR CONSUMPTION.....	3.6 SCFM with 25 nails Per minute @ 90 psi (6.2 bar)
NAIL RANGE.....	3/4" x to 1 3/4 " (19-45mm)
NAIL CAPACITY.....	120 Roofing Coil Nails
CAP CAPACITY.....	240 Caps / Spool

- FEATURES.....
- Light weight, powerful
 - High performance
 - Fast, easy loading
 - Long life carbide steel contact points
 - Release on contact
 - Depth-adjustment device

- APPLICATIONS.....
- Asphalt & fiberglass
 - Shingle
 - Insulative sheathing

DANGER

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

WARNING

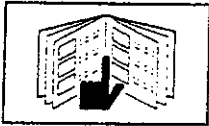



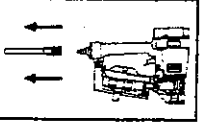


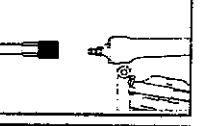


Indicates an potentially hazardous situation which, if not avoided, will result in death or serious injury.

SAFETY INSTRUCTIONS

IMPORTANT: -Failure to observe basic safety rules or precautions are the cause of most accidents related to the operation and maintenance of the nailer.

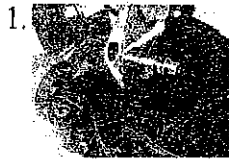
-Accidents can be avoided by recognizing a potentially hazardous situation before it occurs and by observing the safety procedures.

⚠ DANGER ⚠ -Always consider the tool "loaded" when air is connected

1.  Read this manual and understand all safety instructions before operating this tool
NEVER MODIFY or DISCONNECT SAFETY DEVICES
2.  Never use hydrogen, oxygen, carbon dioxide or any other bottled gases as a power source for this tool. Use filtered, lubricated, compressed air only.
3.  Never use gasoline or other flammable liquids to clean this tool. Vapors can be ignited by a spark and could cause the tool to explode.
4.  Do not exceed maximum recommended air pressure of the tool (120 psi).
5.  ALWAYS disconnect the tool from air supply before clearing jams, loading fasteners, servicing, adjusting and during non-operation.
6.  **⚠ WARNING** Do not keep the trigger pulled on contact safety mechanism when carrying or holding the tool. Never carry the tool by the hose or pull the hose to move the tool.
7.  Always wear eye protection (ANSI Z87 safety glasses) when operating the tool. Be sure everyone in your work area is wearing the same type of eye protection.
8.  Do not use a check valve or any other fitting which allows air to remain in the tool.
9.  Never point any operational fastener driving tool at yourself or at any other person.
10.  Never load fasteners with trigger or safety element depressed.

PREPARATION

PROTECT YOUR EYES AND EARS. WEAR ANSI Z87 SAFETY GLASSES WITH SIDE SHIELDS. WEAR HEARING PROTECTION. EMPLOYERS AND USERS ARE RESPONSIBLE FOR ENSURING THE USER OR ANYONE NEAR THE TOOL WEARS THIS SAFETY PROTECTION.

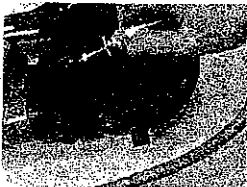


1. This roofer is supplied with a Milton 72 type air coupler. If another type coupler is required, use a free flow quick connect fitting on the tool. (See Fig.1)

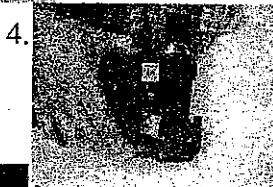


2. Add a few drops of unocal RX22 or 3-in-1 oil into the air inlet. (See Fig.2)

Empty the nail magazine and cap canister.



3. 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 and a female quick coupler. (See Fig. 3)

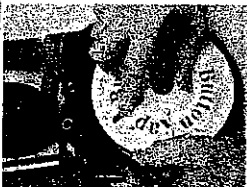


4. Regulate the air pressure to obtain 70 PSI at the tool. Check the operation of the contact safety trip mechanism following the instructions in this manual. (See Fig.4)

Disconnect the air supply from the tool.

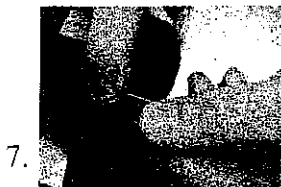


5. Load nails into your tool following the instructions in this manual. (See Fig. 5) See page 4 for instructions



6. Load caps into your tool following the instructions in this manual. (See Fig. 6) See page 4 for instructions

Reconnect the air supply to the tool. See page 4 for instructions



7. Test for proper nail penetration by driving nails into a sample piece of wood. If the nails do not achieve the desired penetration adjust depth stop on back of roofer until desired penetration is reached. (See Fig.7) Do not exceed 120 PSI at the tool.



8. Set the Switch at the top of the tool " On" for cap feed or "Off" for applying roofing nails only. (See Fig. 8)

LOADING AND OPERATION

LOADING THE NAIL COIL:



Disconnect the tool from air supply.

WARNING: Check to make sure there is no nail in the outlet site before loading a new nail coil.

Pull down door latch and open the door. Swing magazine cover open.

The tool must be set for the length of nail to be used. Nails will not feed smoothly if the magazine is not correctly adjusted. The magazine contains an adjustable nail platform on which the nail coil rests. The nail platform can be moved up and down to three settings. To change setting pull on the post and twist to the correct step.

WARNING: Failure to adjust magazine height for nail size may damage the nail feed mechanism.

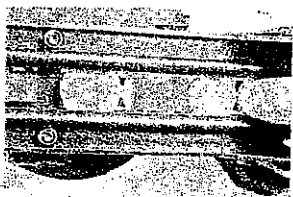
Place the coil of nails over the post in the magazine. Uncoil enough nails to reach the feed pawl. Place the first nail in front of the front tooth on the feed pawl in the driver channel. The nail heads must be in the slot in the nose.

Swing the latch door and magazine cover closed. Check to see that the latch pin engages when released and that the magazine cover is behind the latch. The door and magazine cover may be closed in any sequence.

LOADING THE PLASTIC COIL:



Disconnect the tool from air supply. Pull open cap canister lever and remove empty paper spool. Remove the tape from the end of the cap strap on the spool. Push the spool over the canister spindle and feed the caps into the track.



Advance the caps to the front of the track by pushing the caps from the open bottom of the track. Close the cap canister lever and push until the lever snaps onto the rim of the canister.

MAINTENANCE



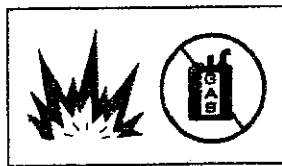
Your tool requires lubrication every day you use it.

Disconnect the air supply from the tool before lubricating.

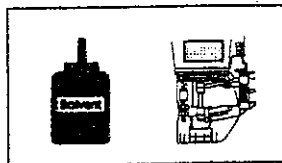
Turn the tool so the inlet is facing up and put one drop of high-speed spindle oil, Unocal RX 22m or 3-in-1 oil into air inlet. (See Fig 2) Never use detergent oil or additives. Operate the tool briefly after adding oil.

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

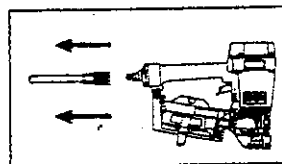
CLEANING THE TOOLS



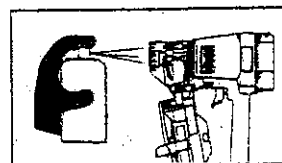
NEVER USE GASOLINE OR OTHER FLAMMABLE LIQUIDS TO CLEAN THE TOOL. VAPORS IN THE TOOL WILL IGNITE BY A SPARK AND CAUSE THE TOOL TO EXPLODE AND RESULT IN DEATH OR SERIOUS PERSONAL INJURY.



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

WARNING

STOP USING THE TOOL IMMEDIATELY IF ANY OF THE FOLLOWING PROBLEMS OCCUR. SERIOUS PERSONAL INJURY COULD OCCUR. ANY REPAIRS OR REPLACEMENTS MUST BE DONE BY A QUALIFIED PERSON OR AN AUTHORIZED SERVICE CENTER ONLY.

Air leaking at trigger valve area.	O-rings in trigger valve housing are damaged.	O-rings must be replaced & operation of contact safety trip mechanism must be checked.
Air leaking between housing and nose.	Loose screws in housings. Damaged O-rings. Damage to bumper.	Screws need to be tightened. O-rings need to be replaced. Bumper needs to be replaced.
Air leaking between housing and cap assembly.	Loose screws. Damaged gasket.	Screws need to be tightened. Gasket needs to be replaced.
Tool skips driving fastener.	Worn bumper. Dirt in nose. Dirt or damage prevents fasteners or fastener feed pawl from moving freely in magazine. Damaged feed pawl spring. Inadequate air flow to tool. Worn O-ring on piston or lack of lubrication. Damaged O-rings on trigger valve. Air leaks. Cap gasket leaking.	Bumper needs to be replaced. Clean. Magazine needs to be cleaned. Spring needs to be replaced. Fitting hose or air compressor needs to be checked. O-ring needs to be replaced. Lubricated. O-rings need to be replaced. Screws and fittings need to be tightened. Gasket needs to be replaced.

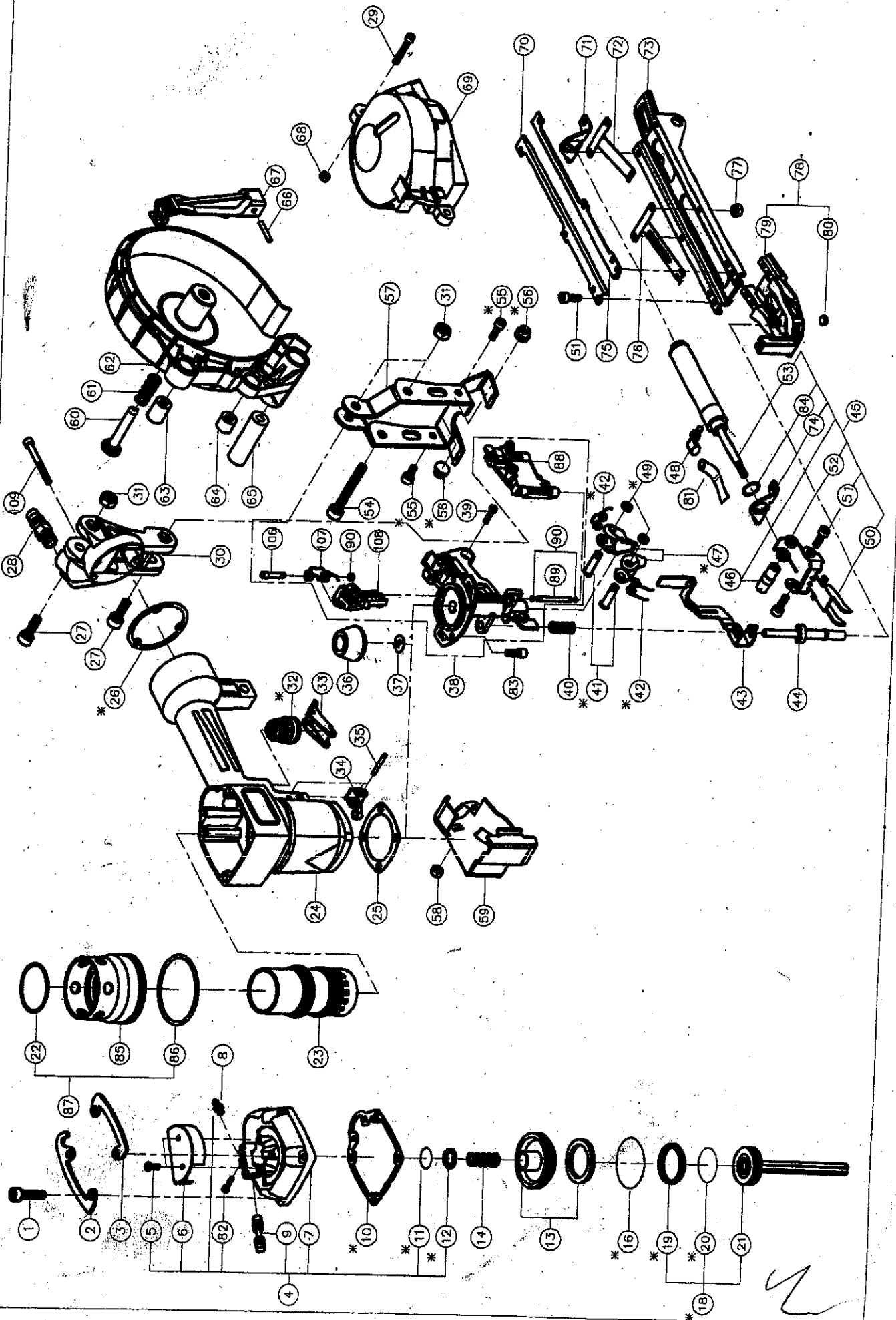
TROUBLESHOOTING

WARNING

STOP USING THE TOOL IMMEDIATELY IF ANY OF THE FOLLOWING PROBLEMS OCCUR. SERIOUS PERSONAL INJURY COULD OCCUR. ANY REPAIRS OR REPLACEMENTS MUST BE DONE BY A QUALIFIED PERSON OR AN AUTHORIZED SERVICE CENTER ONLY.

<p>Tool runs slow or has loss of power.</p>	<p>Tool not lubricated sufficiently. Broken spring in cap assembly. Exhaust port in cap is blocked.</p>	<p>Tool needs to be lubricated. Spring needs to be replaced. Damaged internal parts need to be replaced.</p>
<p>Fasteners are jammed in tool.</p>	<p>Driver guide worn or damaged. Driver is damaged. Fasteners are not correct size. Fasteners are bent. Magazine or nose screws are loose.</p>	<p>Replace driver guide. Replace driver. Fasteners recommended for tool must be used. Replace with undamaged fasteners. Screws need to be tightened.</p>
<p>No cap feed.</p>	<p>Cap feed switch off. Cap chain broken in track. Air tube to pusher cylinder cut or pinched. Holder spring ("A" plate) bent or broken. Pusher finger bent or broken. Air leaks on main body.</p>	<p>Switch cap feed on. Feed caps from canister to pusher. Replace air tube. Replace "A" plate. Replace pusher. Repair air leaks. (See troubleshooting air leaks.)</p>

PARTS LIST FOR BUTTONKAP ROOFING NAILER RN78134



Item No.	Part No.	Description	Item No.	Part No.	Description	Item No.	Part No.	Description
1	B0000-0281	Screw Set 6*25	37	A0310-0441	Nozzle Washer	71	A0719-0451	Cylinder Holder (B)
2	A0316-0131	Body Guard (Right)	38	B0700-3111	Outlet Site Assembly	72	A0702-0631	Plate (B)
3	A0316-0111	Body Guard (Left)	39	A0000-1161	Screw 6*28	73	A0702-0571	Tray
4	B0300-1981	Cylinder Cap Set	40	A0100-1051	Outlet Spring	74	A0719-0441	Cylinder Holder (A)
5	A0000-1051	Screw 4*10	41	A0006-0601	Jaw Pin	75	A0719-0431	Cap Guide (Left)
6	A0304-0341	Exhaust Cover	42	A0101-0243	Jaw Spring	76	A0702-0621	Plate (A)
7	A0301-0631	Cap	43	A0711-1171	Release Catch	77	A0004-0021	Nylon Nut M5
8	A0307-0291	FW Air Plug	44	A0714-0271	Adjustment Rod	78	B0700-3521	Yoke Set
9	B0300-2021	Control Valve Rod Set	45	B0700-3071	Pusher Set	79	A0711-1181	Yoke
10	A0205-0181	Gasket	46	A0721-0051	Filter	80	A0711-0911	Wear Pad
11	A0200-1691	O-Ring 17.8*2.4	47	A0712-0562	Jaw	81	A0314-0191	Black Hose
12	A0311-0311	Seal, Air	48	A0307-0271	SPL601 Air Plug	82	A0000-0211	Screw 4*10
13	B0300-1971	Disc Valve Set	49	A0005-0502	Pin Retainer	83	B0000-0291	Screw Set 6*18
14	A0100-0901	Spring	50	A0707-1192	Pusher	84	A0200-0811	O-Ring 11.8*1.5
16	A0200-1701	O-Ring 47.3*2.62	51	A0000-0061	Screw 5*12	85	A0305-0141	Collar
18	B0600-2781	Piston Unit	52	A0101-0251	Pusher Spring	86	A0200-1721	O-Ring 59.4*3.1
19	A0201-0151	Ring	53	B0700-2872	Cylinder Set	87	B0300-2201	Collar Assembly
20	A0200-2731	O-Ring 30*2	54	A0000-1071	Screw 8*70	88	B0700-3321	Outlet Site Door Set
21	B0600-2901	Piston Set	55	A0000-0421	Nylok Screw 6*16	89	A0007-0431	Lock Pin
22	A0200-2621	O-Ring 42*2	56	A0710-0421	Spacer	90	A0005-0661	Pin Retainer
23	B0300-1991	Cylinder Set	57	A0706-0861	Support	106	A0007-0411	Lock Pin
24	A0401-0831	Body	58	A0004-0291	Nylon Nut M6	107	A0101-0271	Spring
25	A0311-0421	Gasket	59	A0712-0571	Outlet Site Cover	108	A0707-1071	Pusher
26	A0311-0411	Gasket	60	A0006-0591	Container Pin	109	B0000-0301	Screw Set 5*25
27	A0000-1061	Screw 8*40	61	A0100-1771	Container Spring			
28	A0307-0281	Air Plug	62	A0702-0581	Container			
29	A0000-1201	Screw 5*28	63	A0201-0071	Spacer (A)			
30	A0306-0351	Tail Cover	64	A0201-0081	Spacer (B)			
31	A0004-0261	Nylon Nut M8	65	A0201-0091	Spacer (C)			
32	B0500-0541	Trigger Valve Set	66	A0006-0671	Pin			
33	B0500-0531	Trigger Set	67	A0709-0351	Container Latch			
34	A0712-0621	Release Guide	68	A0004-0281	Nylon Nut M5			
35	A0006-0531	Pin	69	B0700-3081	Nail Cover Set			
36	A0309-0372	Bumper	70	A0719-0421	Cap Guide (Right)			