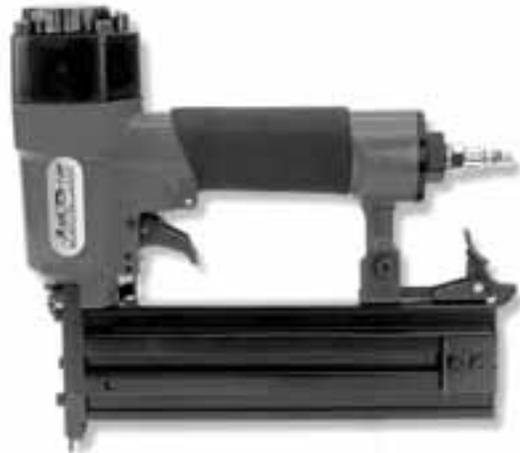


# **AIR-PLUS**

## ***Air Nailer/Stapler Operation Manual***



**#691164**



**#691165**

*It is the owner and/or operator's responsibility to study all WARNINGS, operating, and maintenance instructions contained on the product label and instruction manual prior to operation of this unit. The owner/operator shall retain product instructions for future reference.*

The owner and/or operator is responsible for maintenance, maintaining all decals or warning labels and while in use, maintaining the unit in good working order. If the owner and/or operator is not fluent in English, French or Spanish, the product warnings and instructions shall be read and discussed with the operator's native language by the purchaser/owner or his designee. Make sure that the operator comprehends its contents. Safety information shall be emphasized and understood prior to usage. The air nailer/stapler shall be inspected per the operating instructions.



Users of this air nailer/stapler must fully understand these instructions. Each person operating this air nailer/stapler must also be of sound mind and body and must not be under the influence of any substance that might impair their vision, dexterity, or judgment.

Protect yourself and others by observing all safety information.

Failure to comply with instructions could result in personal injury and/or property damage!

*If you encounter any problems or difficulties,  
please contact our customer service department at:*

1-800-423-3598

1-310-522-9008

1-310-522-9066 Fax

*info@alltradetools.com*

## SAFETY ALERT

**⚠ WARNING** *Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this air nailer/stapler. Failure to comply with the instructions may result in serious personal injury and/or property damage!*

*The following signal words are used to emphasize safety warnings that must be followed when using this air nailer/stapler:*

**⚠ DANGER**

*Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.*

**⚠ WARNING**

*Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.*

**⚠ CAUTION**

*Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.*

**⚠ NOTICE**

*Indicates important information, which if not followed, MAY cause damage to equipment.*

## NAILER/STAPLER SPECIFICATIONS

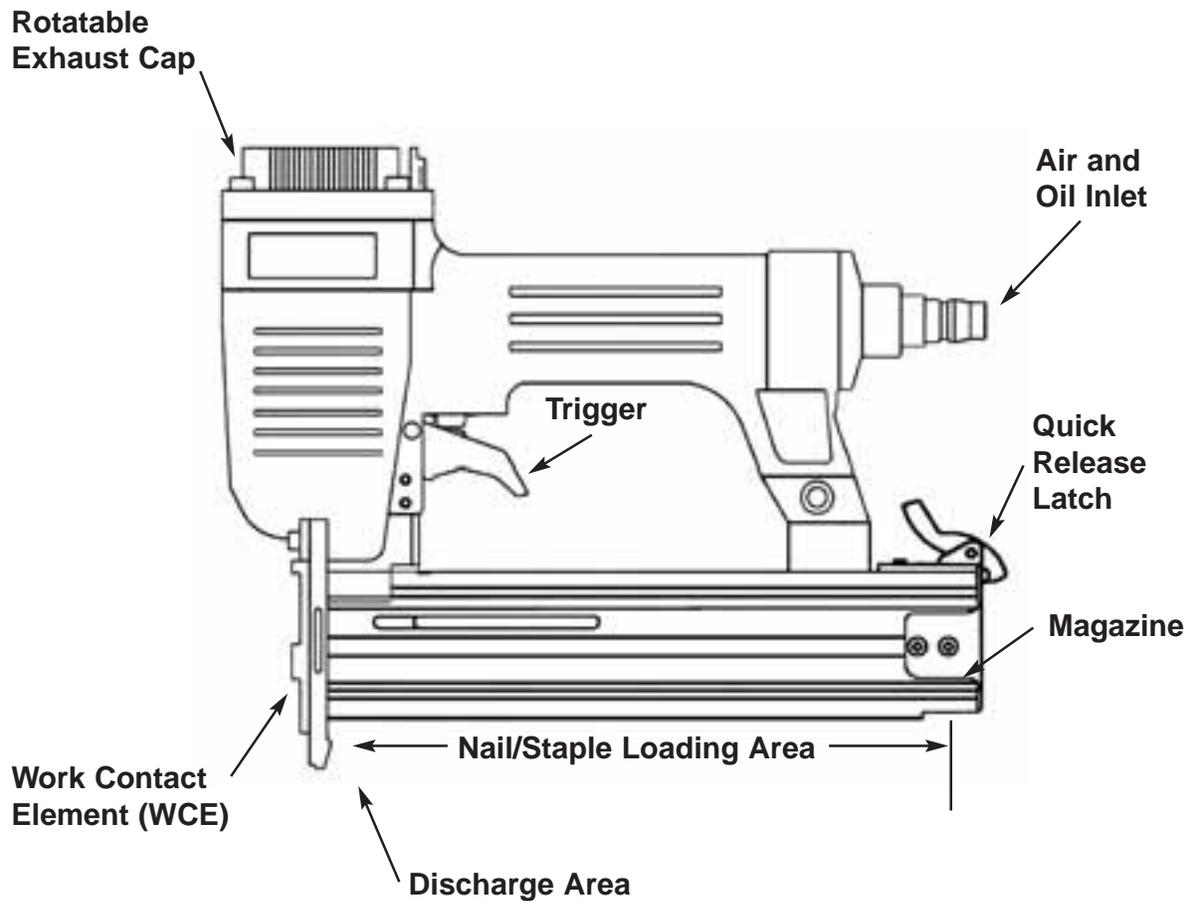
### Compressed Air:

Maximum permissible operating pressure: 120PSI (0.8 MPa)

Recommended operating pressure range: 60-100PSI (0.4-0.7 MPa)

### Magazine Capacity:

Approx. 100 Brad Nails/Staples



## NAIL/STAPLE INFORMATION

<b>Fastener Gauge</b> <b>Fastener Lengths</b>	<b>18 Gauge Brad Nails</b> <b>5/8"-2"</b>	<b>18 Gauge Crown Staples</b> <b>3/8"-1"</b>
--------------------------------------------------	----------------------------------------------	-------------------------------------------------

**NAILS:**

Can use brad nails from the following branded air-powered brad nailers: Bostitch® BT125sk-2, Campbell Hausfeld® NB0030, Paslode® T125-F18, Porter Cable® BN125 and Senco® Finish Pro® 15.

**STAPLES:**

Can use staples from the following branded air-powered staplers: Porter Cable® NS100A and Senco® SLS18.

Bostitch® is a registered trademark of The Stanley Works

Campbell Hausfeld® is a registered trademark of Campbell Hausfeld/Scott Fetzer Co.

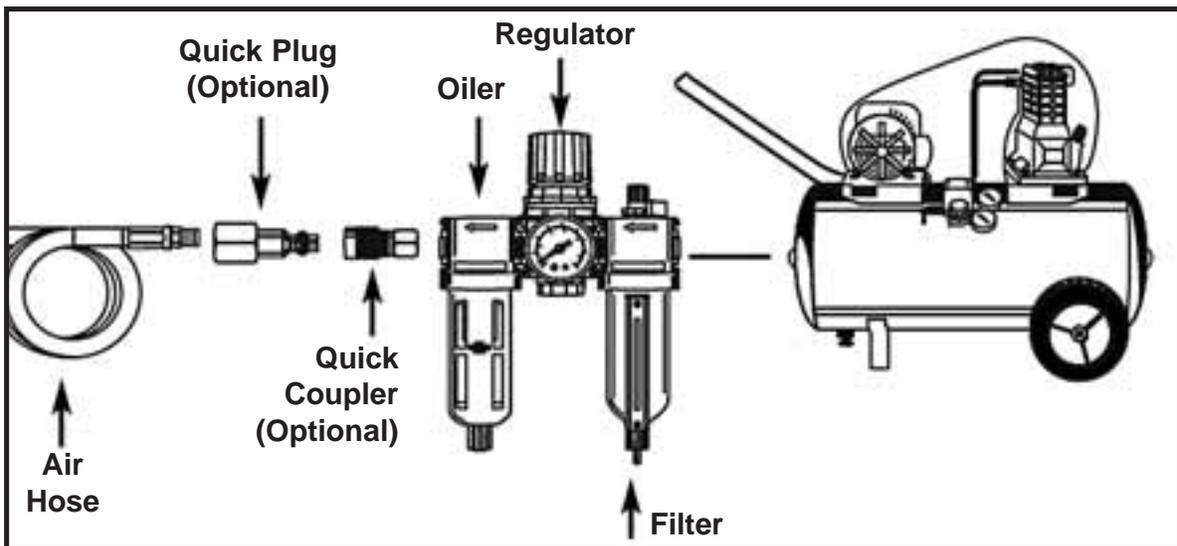
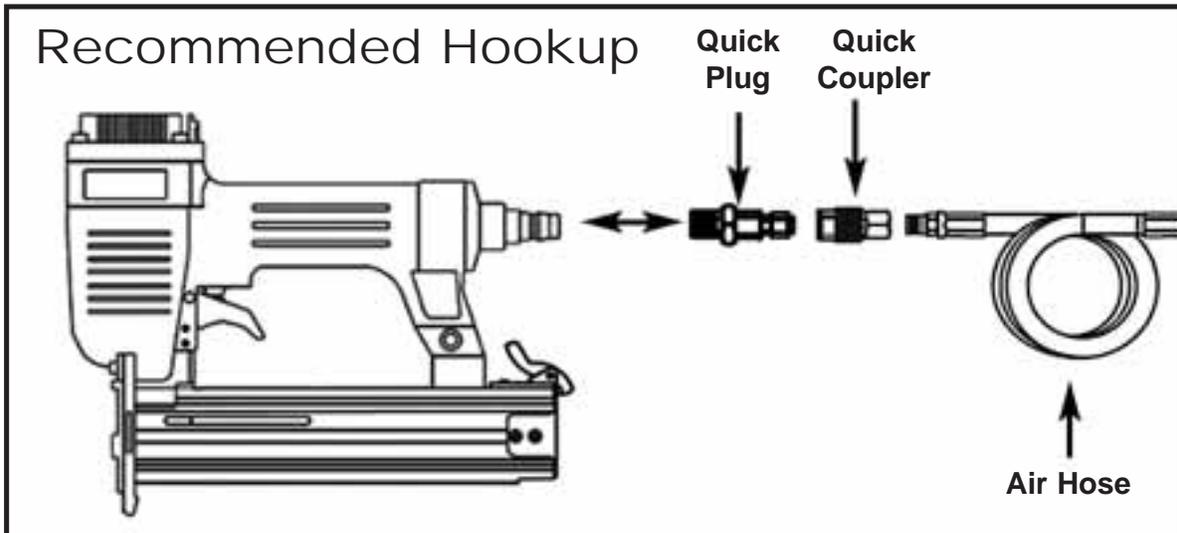
DeWalt® is a registered trademark of Black & Decker Corp.

Paslode® is a registered trademark of Illinois Tool Works Inc.

Porter Cable® is a registered trademark of Porter-Cable Corp.

Senco® is a registered trademark of Senco Products, Inc.

Finish Pro™ is a trademark of Senco Products, Inc.



## UNPACKING & INSPECTION

**⚠ WARNING** Do not operate this air nailer/stapler if damaged during shipment, handling or misuse. Damage may result in bursting, which can cause serious injury or property damage.

All damaged parts must be repaired or replaced as needed prior to operating this air nailer/stapler.

If you have any questions, or require assistance with damaged or missing parts, *please contact our customer service department at:*

1-800-423-3598

1-310-522-9008

1-310-522-9066 Fax

*info@alltradetools.com*

Please have the serial number, model number, date of purchase, and parts list, (with missing parts identified), available for reference when calling

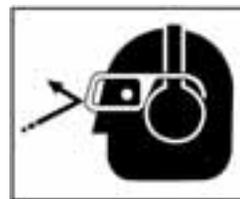
## SAFETY WARNINGS

### READ ALL SAFETY WARNINGS BEFORE USING AIR NAILER/STAPLER

General Safety Warnings:

- Keep work area clean. Messy areas and cluttered workbenches invite personal injury, and/or property damage.
- Keep children and visitors away. All children should be kept away from the work area. DO NOT let children handle the air nailer/stapler. Maintain a safe distance for any person near the work area.
- Operating any tools or equipment under the influence of drugs, alcohol, or medication can cause personal injury to yourself and others.
- Wear proper apparel. Remove your jewelry before using air nailer/stapler. Do not wear loose clothing, necklaces, rings, bracelets, or other jewelry, which may get caught in moving parts. Nonskid footwear and electrically conductive gloves are highly suggested while working. Wear protective hair covering to contain long hair.
- Protect your eyes. The operation of any air tool can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear eye protection with side shields that meets ANSI Z28.1 specifications during air nailer/stapler operation. Eyeglasses are not always safety glasses.
- Be responsible for your hearing. Wear hearing protection during use.
- Do not overreach. Proper footing and balance is a must at all times while using tools. Unstable support may lead to personal injury.

**⚠ WARNING** OPERATOR AND OTHERS IN THE WORK AREA MUST WEAR SAFETY GLASSES WITH SIDE SHIELDS. THESE SAFETY GLASSES MUST CONFORM TO LOCAL REGULATIONS.



- Keep fingers AWAY from the trigger when not driving fasteners to avoid accidental firing.
- Never use near oxygen or other bottled gasses. Explosion may occur. NEVER



USE COMBUSTIBLE GASSES OR ANY OTHER REACTIVE GAS AS A POWER SOURCE FOR THIS NAILER/STAPLER. Explosion and serious personal injury could occur.



- Use clean, dry, regulated, compressed air at 60 to 100 PSI (0.4 to 0.7 MPA). Do not connect the nailer/stapler to any pressure source that may exceed 120 PSI (0.8 MPA).
- Only use air hose that is rated for a maximum working pressure of at least 150 PSI (1.0 MPA) or 150% of the maximum system pressure, whichever is greater.
- Always disconnect the nailer/stapler to the air supply before loading fasteners.
- Disconnect nailer/stapler from the air supply hose before unloading fasteners, performing nailer/stapler maintenance, clearing a jammed fastener, leaving work area, moving nailer/stapler to another location, or handing the nailer/stapler to another person.
- Always assume that the air nailer/stapler is loaded with fasteners. Never point air nailer/stapler at any part of your body or at others in the work area.
- Never use nailer/stapler if safety, trigger or springs are inoperable, missing or damaged. DO NOT alter or remove safety, trigger or springs. Make sure that there is free movement of the trigger and safety mechanism before each use.
- Do not load fasteners with trigger or safety depressed to prevent unintentional firing of a fastener.
- Do not drive fasteners close to the edge of the work piece. The work piece is likely to split allowing fasteners to fly free or ricochet causing personal injury.
- Fire fasteners into work surface only. Never fire into materials that are too hard to penetrate. DO NOT drive fasteners in on top of other fasteners or with the nailer/stapler at too steep an angle as the fasteners may ricochet causing personal injury.
- Always carry a fastener-driving nailer/stapler by the handgrip and never by the trigger or with the trigger activated. Never carry the nailer/stapler by the hose or pull the hose to move the nailer/stapler.



## OPERATING INSTRUCTIONS

### *READ ALL OPERATING INSTRUCTIONS BEFORE USING AIR NAILER/STAPLER*

Preparing the Nailer/stapler for Operation:

- This air nailer/stapler requires lubrication for proper operation and service life. Failure to lubricate nailer/stapler properly will result in damage to the nailer/stapler and void your warranty.
- Lubricate before first use and before each work session thereafter.
- Disconnect the air supply from the nailer/stapler before lubricating.
- Add a few drops of nailer/stapler 30W non-detergent oil into the inlet. Wipe off excessive oil at the exhaust. Excessive oil will damage the o-rings of the nailer/stapler. Never use detergent oil, or oil additives. Do not use air oi, as it contains solvents which will damage the nailer/stapler's internal components.
- Note: If an in-line oiler is used, manual lubrication through the air inlet is not required on a daily basis.

Checking the Nailer/Stapler for Proper Operation:

**⚠WARNING** BEFORE EACH USE, YOU MUST CHECK FOR THE PROPER OPERATION OF THE WORK CONTACT ELEMENT (WCE).

- The WCE is the mechanism on the nailer/stapler that is pressed into the work piece prior to pulling the trigger. It must work properly to prevent accidental discharge of fasteners.
- The WCE on the nailer/stapler is held in place by a latch. Ensure latch is properly closed and locked before proceeding.
- Disconnect the nailer/stapler from the air supply.
- Remove all fasteners from the nailer/stapler.
- Make sure the WCE moves up and down without sticking or binding. If sticking or binding occurs, discontinue use of the nailer/stapler until proper service and/or repairs are performed
- Connect the air supply to the nailer/stapler.
- Press the WCE against the work piece without pulling the trigger. The nailer/stapler must not operate.
- Hold the nailer/stapler clear of the work piece. The work contact element should return to its original down position. Pull the trigger. The nailer/stapler must not cycle.

**⚠WARNING** NEVER USE THE NAILER/STAPLER IF IT OPERATES WITHOUT PULLING THE TRIGGER

Loading the Nailer/Stapler:

**⚠WARNING** CONNECT NAILER/STAPLER TO AIR SUPPLY BEFORE LOADING FASTENERS. DO NOT LOAD FASTENERS WITH TRIGGER OR SAFETY DEPRESSED TO PREVENT UNINTENTIONAL DISCHARGE OF A FASTENER.

- Attach a high flow quick connector fitting to the nailer/stapler.
- Use clean, dry, regulated, compressed air at 60 to 100 PSI (0.4 to 0.7 MPA). Do not connect the nailer/stapler to any pressure source that may exceed 120 PSI (0.8 MPA).
- Only use air hose that is rated for a maximum working pressure of at least 150 PSI (1.0 MPA) or 150% of the maximum system pressure, whichever is greater.
- Press the magazine latch. Pull back the magazine cover.
- Insert fasteners into magazine. Make sure the pointed ends of the fasteners are loaded with the sharp points facing points downward. Make sure the fasteners are not dirty or damaged.
- Push the magazine cover forward until the latch catches.

Operating the Nailer/Stapler:

**⚠WARNING** DO NOT DRIVE FASTENERS CLOSE TO THE EDGE OF THE WORK PIECE. THE WORK PIECE IS LIKELY TO SPLIT ALLOWING FASTENERS TO FLY FREE OR RICOCHET CAUSING PERSONAL INJURY.

**⚠WARNING** FIRE FASTENERS INTO WORK SURFACE ONLY. NEVER FIRE INTO MATERIALS THAT ARE TOO HARD TO PENETRATE. DO NOT DRIVE FASTENERS IN ON TOP OF OTHER FASTENERS OR WITH THE NAILER/STAPLER AT TOO STEEP AN ANGLE AS THE FASTENERS MAY RICOCHET CAUSING PERSONAL INJURY.

- For the nailer/stapler to operate, your finger must first be off the trigger and the work contact element of the nailer/stapler then pressed against the work piece. Once the work contact element is pressed against the work piece, pull the trigger to drive the fastener into the work piece.
- Release the trigger after each fastener is driven.
- Move the nailer/stapler to the next location and repeat the procedure above.
- 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.

Clearing a Jam from the Nailer/Stapler:

**FASTENER JAMMED IN FASTENER DISCHARGE AREA:**

- Disconnect air nailer/stapler from air hose.
- Open the nozzle, grab jammed fastener with pliers and remove.

**FASTENER JAM INSIDE THE MAGAZINE:**

- Disconnect air nailer/stapler from air hose.
- Pull back on the magazine cover.
- Open the nozzle and remove jammed fastener.
- Push the magazine cover forward until the latch catches.

Cleaning the Nailer/Stapler:

**⚠ WARNING** DISCONNECT THE NAILER/STAPLER BEFORE CLEANING AND INSPECTION. CORRECT ALL PROBLEMS BEFORE PLACING NAILER/STAPLER BACK IN USE.

**⚠ DANGER** NEVER USE GASOLINE OR OTHER FLAMMABLE LIQUIDS TO CLEAN THE NAILER/STAPLER. VAPORS IN THE NAILER/STAPLER WILL IGNITE WHEN NAILER/STAPLER IS IN USE AND CAUSE THE NAILER/STAPLER TO EXPLODE, WHICH WILL RESULT IN DEATH OR SERIOUS PERSONAL INJURY.

- Disconnect air nailer/stapler from air hose.
- Remove tar buildup with kerosene #2 fuel oil. Dry off nailer/stapler completely before use.
- NOTE: DO NOT SOAK nailer/stapler in cleaning solutions or damage may occur.

Service and Repairs:

- All quality nailers will eventually require servicing or replacement of parts due to wear from normal use. These operations should only be performed by a licensed professional technician. Never try to repair the nailer/stapler by yourself. For service, call 1-800-423-3598.

## TROUBLESHOOTING GUIDE

**⚠ WARNING** DISCONNECT NAILER/STAPLER FROM AIR SUPPLY BEFORE PERFORMING ANY SERVICE PROCEDURE.

Troubleshooting, continued

**Symptom: Air leak near top of nailer/stapler or in trigger area.**

Problem	Solutions
Loose screws.	Tighten screws.
Worn or damaged o-rings or seals	Contact factory for service. 1-800-423-3598

**Symptom: Nailer/stapler does nothing or operates sluggishly.**

Problem	Solutions
Inadequate air supply.	Check compressor settings Check air hose/filters
Inadequate lubrication.	for kinks or blockage. Oil nailer/stapler per instructions.
Worn or damaged o-rings or seals.	Contact factory for service. 1-800-423-3598

**Symptom: Air leak near bottom of nailer/stapler.**

Problem	Solutions
Loose screws.	Tighten screws.
Worn or damaged o-rings or bumper.	Contact factory for service. 1-800-423-3598

**Symptom: Nailer/stapler jams frequently.**

Problem	Solutions
Incorrect fasteners.	Verify fasteners are the correct size.
Damaged fasteners.	Replace with undamaged fasteners
Magazine or nose screw loose.	Tighten screws.
Magazine is dirty.	Clean magazine
Driver is worn or damaged.	Contact factory for service. 1-800-423-3598

**Symptom: Other**

Problem	Solutions
Other	Contact factory for service. 1-800-423-3598

**NAILER PARTS LISTING**

No.	Part No.	Description
1	A0304-0301	Exhaust Valve Collar
2	A0200-1261	O-Ring
3	A0000-0341	Screw
4	A0005-0031	Washer
5	A0301-0151	Cylinder Cap
6	A0311-0121	Air Seal
7	B0300-0671	Exhaust Valve Site Set
8	A0100-0221	Spring
9	A0200-0231	O-Ring
10	A0200-0071	O-Ring

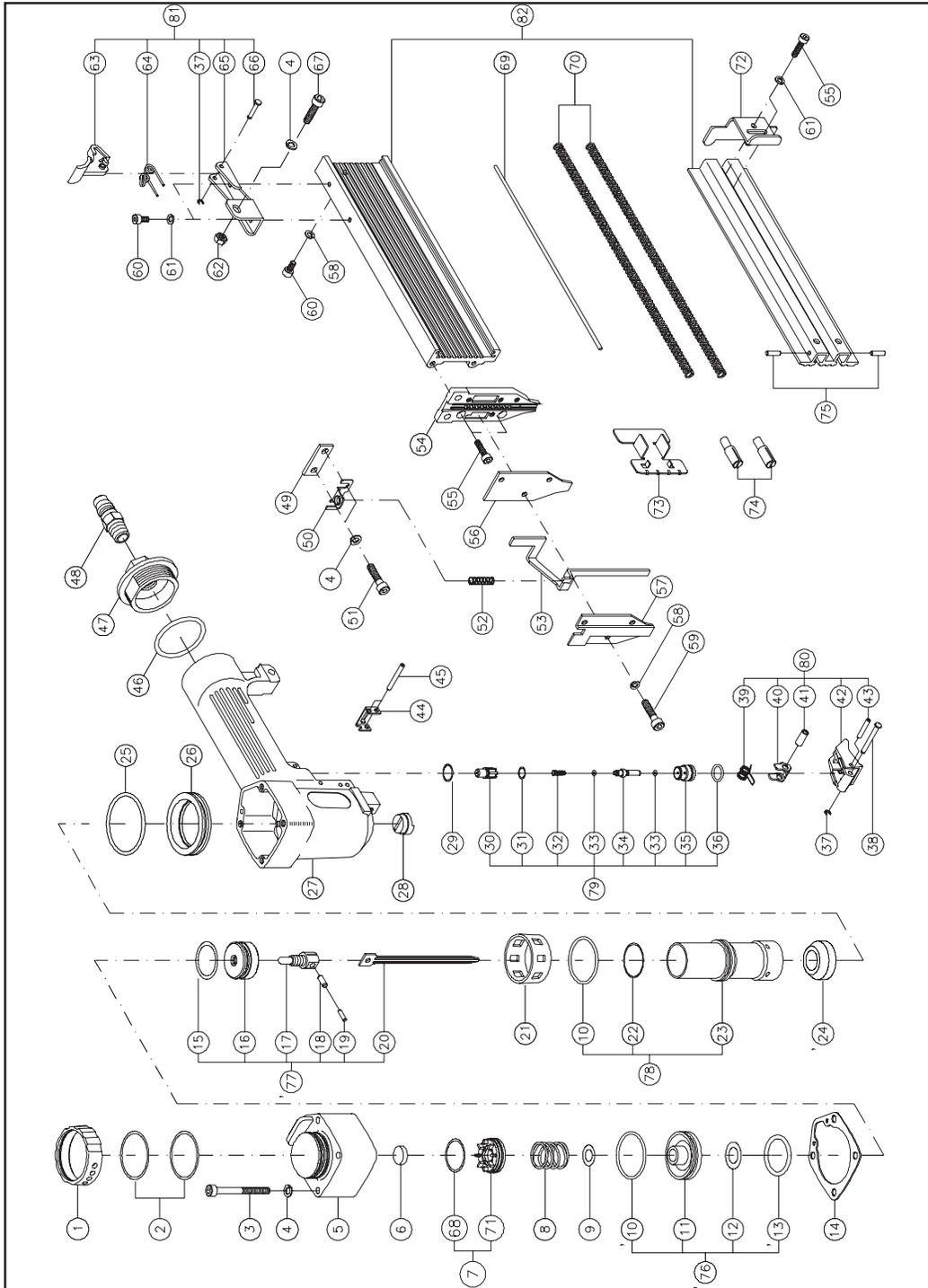
## NAILER PARTS LISTING

No.	Part No.	Description
11	A0308-0241	Firing Valve Piston
12	A0200-0251	O-Ring
13	A0200-0081	O-Ring
14	A0205-0111	Gasket
15	A0200-0721	O-Ring
16	A0602-0171	Piston Head
17	A0011-0051	Driver Blade Pin
18	A0011-0051	Outer Spring Pin
19	A0011-0061	Inner Spring Pin
20	A0600-0771	Driver Blade
21	A0305-0071	Collar
22	A0200-0301	O-Ring
23	A0303-0141	Cylinder
24	A0309-0011	Bumper
25	A0200-0911	O-Ring
26	A0800-0381	Spacer
27	A0401-0441	Body
28	A0310-0151	Nozzle
29	A0200-1091	O-Ring
30	A0503-0221	Upper Remote Housing
31	A0200-1081	O-Ring
32	A0104-0041	Conical Spring
33	A0200-0431	O-Ring
34	A0504-0071	Remote Core
35	A0503-0121	Remote Housing
36	A0200-0331	Trigger Valve Stem
37	A0005-0041	E-Ring
38	A0006-0271	Step Pin
39	A0101-0031	Extension Spring
40	A0502-0031	Trigger Guide
41	A0710-0211	Pin Bushing
42	A0500-0191	Trigger
43	A0006-0281	Pin
44	A0712-0051	Catch Guide Plate
45	A0011-0241	Spring Pin
46	A0200-0131	O-Ring
47	A0306-0231	Tail Cover
48	QA236-0041	Air Plug
49	A0800-0022	Spacer
50	A0719-0031	Spring Holder
51	A0000-0101	Screws
52	A0100-0211	Compression Spring
53	A0711-0491	Release Catch
54	A0801-0511	Driver Guide
55	A0000-0021	Screw
56	A0800-0331	Spacer
57	F32-57	Inner Magazine
58	F32-58	Tail cover

## NAILER PARTS LISTING

No.	Part No.	Description
59	A0000-0211	Screw
60	A0000-0011	Screw
61	A0005-0051	Washer
62	A0004-0001	Hex Nut
63	A0709-0081	Click Lever
64	A0103-0061	Spring
65	A0706-0201	Spring Holder
66	A0006-0041	Step Pin
67	A0000-0091	Screw
68	A0200-0241	O-Ring
69	QA276-0021	Steel Bar
70	A0100-0031	Compression Spring
71	A0314-0141	Exhaust Valve Site
72	A0716-0171	End Stopper
73	A0707-0451	Pusher
74	A0706-0691	Spring Holder
75	A0011-0231	Spring Pin
76	B0300-0621	Firing Valve Piston Set
77	B0600-0321	Driver Blade Set
78	B0300-0261	Cylinder Set
79	B0500-0181	Trigger Valve Set
80	B0500-0161	Trigger Set
81	B0700-0761	Click Lever Set
82	B0700-0521	Magazine Assembly

# NAILER PARTS DIAGRAM



## STAPLER PARTS LISTING

No.	Part No.	Description
1	A0304-0301	Exhaust Valve Collar
2	A0200-1261	O-Ring
3	A0000-0101	Screw
4	A0005-0031	Washer
5	A0301-0141	Cylinder Cap
6	A0311-0121	Air Seal
7	B0300-0671	Exhaust Valve Assembly
8	A0100-0221	Spring
9	A0200-0231	O-Ring
10	A0200-0071	O-Ring
11	A0308-0241	Firing Valve Piston
12	A0200-0251	O-Ring
13	A0205-0111	Gasket
14	A0305-0071	Collar
15	A0303-0011	Cylinder
16	A0309-0011	Bumper
17	A0200-0911	O-Ring
18	A0800-0381	Spacer
19	A0401-XXX1	Body
20	A0310-0121	Nozzle
21	A0200-1091	O-Ring
22	A0200-1081	O-Ring
23	A0503-0221	Upper Remote Housing
24	A0104-0041	Conical Spring
25	A0200-0431	O-Ring
26	A0504-0071	Remote Core
27	A0503-0121	Remote Housing
28	A0504-0051	Trigger Valve Stem
29	A0005-0041	E-Ring
30	A0006-0271	Step Pin
31	A0101-0031	Extension Spring
32	A0502-0031	Trigger Guide
33	A0710-0211	Pin Bushing
34	A0500-0191	Trigger
35	A0006-281	Pin
36	A0712-0051	Catch Plate Guide
37	A0011-0241	Spring Pin
38	A0200-0131	O-Ring
39	A0306-0231	Tail Cover
40	A0200-0031	O-Ring
41	A0602-0021	Piston Head
42	A0601-0021	Driver Blade Pin
43	A0011-0051	Outer Spring Pin
44	A0011-0061	Inner Spring Pin
45	A0600-0141	Driver Blade
46	A0800-0022	Spacer
47	A0600-0231	Spacer
48	A0719-0041	Spring Holder

## STAPLER PARTS LISTING

No.	Part No.	Description
49	A0100-0211	Compression Spring
50	A0711-0463	Release Catch
51	A0801-0901	Driver Guide
52	A0801-1161	Driver Guide Cover
53	A0005-0071	Washer
54	A0000-0001	Screw
55	QA277-0011	Click Lever
56	A0101-0021	Torsion Spring
57	A0004-0001	Hex Nut
58	A0006-0021	Step Pin
59	A0002-0001	Screw
60	B0600-1381	Piston Set
61	A0707-0442	Pusher
62	A0100-0121	Feeder Spring
63	B1100-0161	Magazine Set
64	A0002-0011	Screw
65	A0708-0061	Steel Bar
66	A0200-0241	O-Ring
67	A0314-0141	Exhaust Valve Site
68	A0200-0081	O-Ring
69	B0300-0621	Head Valve Piston Set
70	B0300-0861	Cylinder Set
71	B0500-0181	Trigger Valve Set
72	B0500-0161	Trigger Set
73	A0204-0181	Handle Grip
74	QA236-0041	Air Plug

# STAPLER PARTS DIAGRAM

