

The Primatech 534FN is a professional heavy duty pneumatic finish nailer designed to drive standard 34° strips of 15GA nails in lengths of 1-1/4" (32mm) to 2-1/2" (64mm).

Read carefully these instructions before operating this tool. It is important to understand warnings/cautions and the safety measures to ensure safe use of this tool. Additional information is available directly from:

**Primatech**<sup>®</sup>  
1135 Jérémie-Fortin,  
Québec, QC  
Canada, G1J 1R8

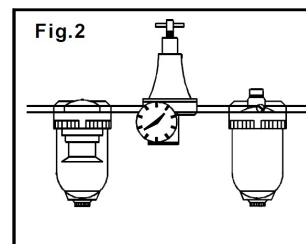
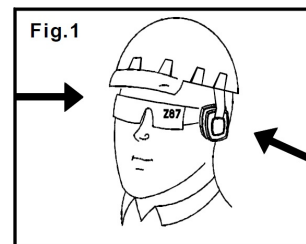
Phone: 1 (800) 363-1962 or 1 (418) 522-7744  
Fax: 1 (418) 522-7466  
email: support@primatech.ca  
web: support.primatech.ca

## IMPORTANT SAFETY INSTRUCTIONS

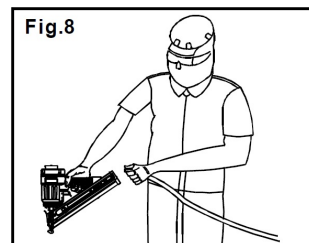
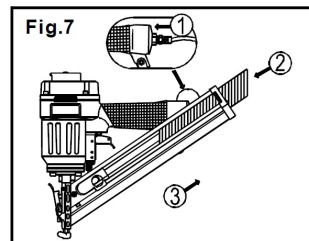
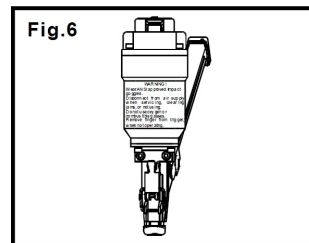
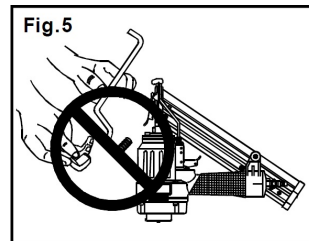
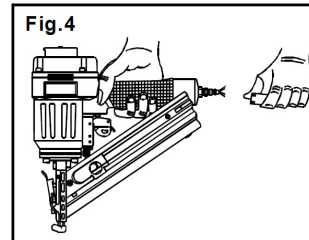
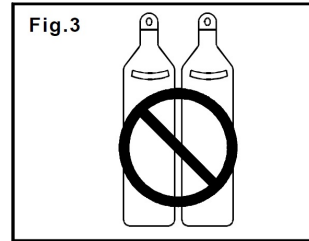
There are certain applications for which this tool was designed. We strongly recommend that this tool SHALL NOT be modified and /or used for any application other than for which it was designed.

**WARNING:** When using pneumatic tools, basic safety precautions should always be followed to reduce the risk of personal injury, including the following:

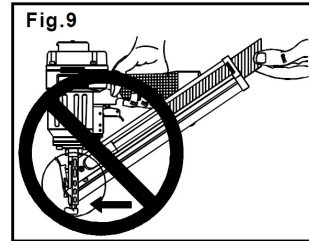
- **KEEP WORKING AREA CLEAN.** Cluttered areas invite injuries.
- **DON'T ALLOW CHILDREN IN THE WORKING AREA.** Don't let them handle the tool.
- **USE SAFETY GLASSES.** To prevent eye injuries, the tool operator and all persons in the working area must wear safety glasses with permanently attached, rigid, plastic side shields. These safety glasses must conform to ANSI Z87.1 requirements (approved glasses have "Z87" printed or stamped on them).
- **USE EAR PROTECTION.** The working area may be exposed to high noise levels that can lead to hearing damage.



- USE ONLY CLEAN, dry and regulated compressed air at 70 to 120 PSI (4.8 to 8.3 BAR).
- DO NOT CONNECT TOOL to pressure that potentially exceeds 180 PSI (12.3 BAR).
- ONLY USE AIR HOSE THAT IS RATED for 150% of the maximum system pressure. Please try to use a hose of ID 3/8 connecting nailer with compressor.
- NEVER USE OXYGEN, CARBON DIOXIDE, combustible gases or any other bottled gas as a power source for this tool: explosion and serious personal injury could result.
- DISCONNECT TOOL FROM AIR SUPPLY HOSE before doing tool maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person.
- BEFORE USING TOOL, carefully check if there is any part damaged to obtain ideal results. Do not use the tool if the tool has any air leaks, uncompleted, damaged parts or needs repairing.
- NEVER USE TOOL if safety trigger or spring is inoperable, missing or damaged. Do not alter or remove safety, trigger or springs. Make daily inspections for free movement of trigger and safety mechanism.
- DO NOT USE TOOL WITHOUT SAFETY WARNING LABEL. If label is missing, damaged or unreadable, contact your local agencies.
- ONLY USE PARTS AND FASTENERS recommended by Primatch.
- CONNECT TOOL TO AIR SUPPLY BEFORE LOADING FASTENERS, to prevent a fastener from being fired during connection. The tool driving mechanism may cycle when tool is connected to the air supply. When not in use, remove all the fasteners from the magazine.
- ALWAYS ASSUME THE TOOL CONTAINS FASTENERS. Keep the tool pointed away from yourself and others at all times. No horseplay, respect the tool as a working implement.

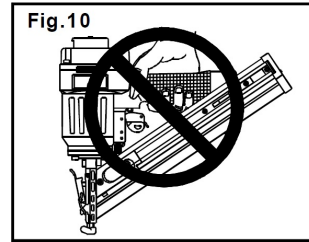


- DO NOT LOAD FASTENERS with trigger or safety depressed, to prevent unintentional firing of a fastener.



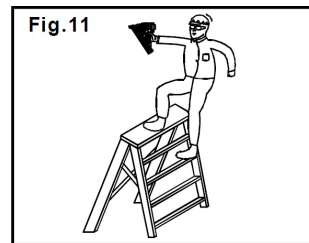
- REMOVE FINGER FROM TRIGGER when not driving fasteners. Never carry tool with finger on trigger: tool will fire a fastener if safety is bumped while trigger is depressed.

- DON'T OVER REACH. Keep proper footing and balance at all times when using or handling the tool.



- FIRE FASTENERS INTO WORK SURFACE ONLY: never into materials too hard to penetrate.

- GRIP TOOL FIRMLY TO MAINTAIN CONTROL while allowing tool to recoil away from work surface as fastener is driven. If safety bracket is allowed to contact work surface again before trigger is released, an unwanted fastener will be fired.

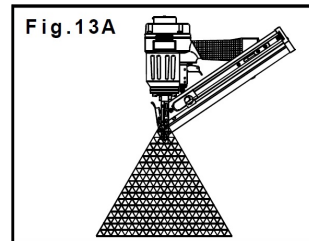
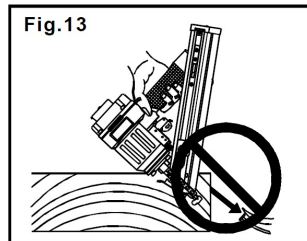
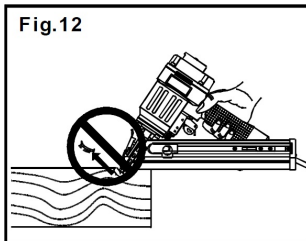


- DO NOT DRIVE FASTENERS on top of other fasteners, or with the tool at too steep an angle: the fasteners can ricochet causing personal injury.

- DO NOT DRIVE FASTENERS TOO CLOSE to edge of the work piece. The work piece is likely to split allowing the fastener to fly free or ricochet, causing personal injury.

- KEEP TOOL POINTED AWAY from yourself and others at all times.

- KEEP HANDS AND BODY PARTS away from area shown in Fig. 13A to avoid injury.



## OPERATING INSTRUCTIONS

Model 534FN is pneumatic framing nailer designed to install 15GA diameter framing nails in lengths of 1-1/4" (32mm) to 2-1/2" (63mm). Fastener collation angle is 34°.

### AIR SUPPLY

This tool is designed to operate on clean, dry, compressed air at regulated pressures between 70 and 120 psi (4.9-8.3 bar). The preferred system would include a filter, a pressure regulator, and automatic oiler located as close to the tool as possible, ideally within 15 feet. All compressed air contains moisture and other contaminants that are detrimental to internal components of the tool. An air line filter will remove most of these contaminants and significantly prolong the life of the tool. If an in-line oiler is not available, place about six drops of oil into the tool's air inlet at the beginning of each workday.

**CAUTION:** All line components (hoses, connectors, filters, regulators, etc.) must meet 150% of the maximum system pressure. The use of a hose of ID 3/8" is recommended.

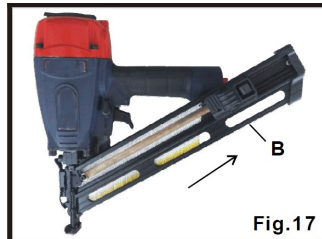
Do not connect this tool to a system with maximum potential pressure greater than 180 psi (12.3 bar).

### LOADING THE TOOL

#### CAUTION:

Always connect tool to air supply before loading fasteners.  
Do not load fasteners with trigger or safety depressed.  
Never use a tool that leaks air or needs repair.

- Insert a strip of nails into rear of magazine then push nails forward and beyond the pusher (Fig. 15).
- Pull the pusher to the rear of the magazine until it engages behind the fasteners (Fig. 17).
- Grasp and rotate directional exhaust deflector (Fig. 18), so that the exhaust air blast will be directed away from the operator.



### OPERATING THE TOOL

This nailer is equipped with a safety contact and will not operate unless the safety contact is depressed against the work piece.

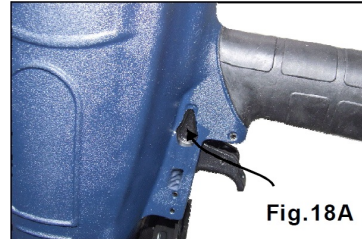
The 534FN can be operated in two different ways: trigger fire (single sequential) or bump fire (contact actuation).

**CAUTION:** Read and understand operating manual before changing the trigger mode. Improper use may result in serious injury.

Trigger firing (single sequential):

Rotate the selector upwards as shown on Fig. 18A.

Position the nose on the working surface and lightly push the tool downward until the safety contact is depressed, then, pull the trigger to drive the fastener. Allow tool to recoil off the surface to avoid a second unwanted fastener to be fired. In this method, the safe bracket can be adjust downwards with knob to avoid striking two nails at one time. This "trigger fire" method provides the most accurate fastener placement.

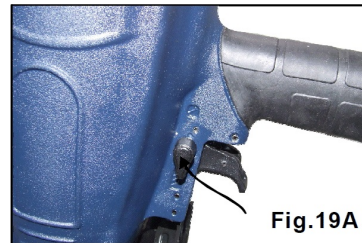


Original factory setting is single sequential trigger mode.

Dual-action firing (also referred to as bump fire or contact actuation):

Rotate the selector downward as shown on Fig. 19A.

Pull and hold the trigger, then repeatedly impact (bump) the safety contact against the work piece. The tool can repeatedly drive the fasteners. The tool will drive one fastener every time the safety contact is bumped against the work piece. This method will increase work efficiency.



**CAUTION:** Remove finger from trigger when not driving fasteners.

Never carry tool with finger on trigger: tool will fire a fastener if safety is bumped.

Keep tool pointed in a safe direction at all times.

Never attempt to drive a fastener into material that is too hard, or at too steep an angle, or near the edge of the workpiece. The fastener can ricochet causing personal injury.

Disconnect tool from air supply before performing maintenance, clearing a jammed fastener, leaving work area, moving tool to another location, or handing the tool to another person, and making adjustments.

The depth to which a fastener is driven is adjusted by the adjusting knob on the safety contact (see (A) on Fig. 19). The depth of drive is adjusted to a maximum setting by the factory. Rotate adjusting nut (A) to desired position, fire another fastener and check depth. Repeat as necessary to achieve desired results. The amount of air pressure required will vary depending on the size of the setting to determine the lowest setting that will consistently perform the job at hand. Air pressure in excess of that required can cause premature wear and/or damage to the tool.

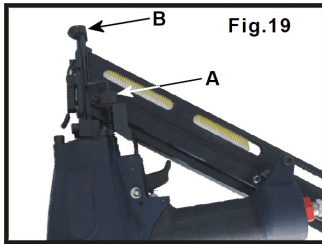
A rubber nose cushion (see (B) on Fig. 19) is provided to reduce marring of the work surface. The rubber cushion can be pulled off to provide increased depth-of-drive.

**CAUTION:** Disconnect tool from air supply before removing or reinstalling rubber cushion.

## CLEARING A JAMMED FASTENER

**CAUTION:** Always disconnect tool from air supply before clearing a jam.

- Remove all remaining fasteners from the magazine.
- Open the latch on the front end of the nose and use a pair of needle nose pliers or a flat screwdriver to remove bent fastener from guide body (Fig. 22, 23).



## MAINTENANCE

### CLEAN AND INSPECT DAILY

Clean and inspect tool daily. Carefully check for proper operation of trigger and safety mechanism. Do not use the tool unless both the trigger and the safety mechanism are functional, or if the tool is leaking air or needs any other repair.

**CAUTION:** Disconnect tool from air supply before cleaning and inspection. Correct all problems before operating.

Wipe the tool clean and inspect for wear or damage. Use non-flammable cleaning solutions to wipe exterior of tool only if necessary. Do not soak tool with cleaning solutions. Such solutions can damage internal parts

Keep all screws tight. Loose screws can cause personal injury or damage tool.

If tool is used without an in-line oiler: put 5 or 6 drops of pneumatic tool oil into the air inlet of the tool at the beginning of each workday.

### SERVICE AND REPAIRS

Disassembly of the tool must be done in a clean environment. Some parts can be easily damaged if disassembled with improper tools or by inadequate methods. Maintenance should only be performed by trained personnel. Use only genuine PRIMATECH replacement parts.

## TROUBLESHOOTING

CAUTION: Disconnect tool from air supply before performing any service procedure.

PROBLEM	CORRECTION
Air leaking near top of tool or at trigger area. Air leaking near bottom of tool.	Tighten screws. O-ring or seal worn or damaged – replace damaged or worn components.
Tool does nothing or operates sluggishly.	Check air supply. Inadequate lubrication – Add 5 or 6 drops of oil into air inlet. O-rings or seal worn or damaged – replace damaged or worn components.
Tool jamming frequently.	Incorrect or damaged – Use approved fasteners of correct gage and size. Magazine or nose screws loose – Tighten all screws. Magazine is dirty – Clean magazine. Replace worn or damaged driver.

Consult our on-line Technical Support site at [support.primatech.ca](http://support.primatech.ca) for updated documents and more tips.

## PART LIST

Item	Description	Item	Description
1	Screw	47	Trigger Valve Stem
2	Bushing	48	O-ring 9.5*1.9
3	Exhaust Cover	49	O-ring 10.3*1.9
4	Seal	50	O-ring 12.8*1.9
5	Muffler	51	Trigger Valve Head
6	Screw	52	O-ring 20.3*2.5
7	Washer	53	O-ring 20.3*1.5
8	Cylinder Cap	54	Valve Guide
9	Gasket	55	Trigger Valve Guide
10	Spring	56	Trigger Spring
11	O-ring 36.3*2.5	57	Rotating Shaft Bushing
12	O-ring 40.2*2.3	58	Trigger Aessmbly
13	Valve	59	Rotating Shaft Pin
14	O-ring 51.7*3.5	60	Screw
15	Valve Seat	61	Drive Guide
16	Screw	62	Plate
17	Stopped Washer	63	Washer
18	O-ring 43.3*3.5	64	Front Plate
19	Piston Assembly	65	Latch Sleeve
20	Collar	66	Latch Assembly
21	Cylinder Seal	67	Spring Pin
22	Cylinder	68	Pin
23	O-ring 52.4*2.5	69	Spring
24	O-ring 51.5*3	70	Restrictive Lever
25	Restrictive Plate	71	Washer
26	O-ring 76.36*2.62	72	Spring Pin
27	Bumper	73	Screw
28	Body	74	Feeder Shoe
29	O-ring 46*1.3	75	Coil Spring
30	Base	76	Spring Seat
31	Screw	77	Pin
32	Spring Washer	78	Nut
33	Spring	79	Support
34	Steel Ball	80	Nut
35	Spring	81	Screw
36	Adjuster Knob	82	Magazine
37	Locking Washer	83	Rail
38	Bracket	84	Screw
39	Nut	85	Stopper
40	Locking Washer	86	Screw
41	Safe Bracket	87	Washer
42	Bracket Sleeve	88	Soft Grip Sleeve
43	Safe Guider	89	O-ring 48.8*2.5
44	Spring Pin	90	End Cap
45	O-ring 5.5*1.5	91	Air Plug
46	Spring		

