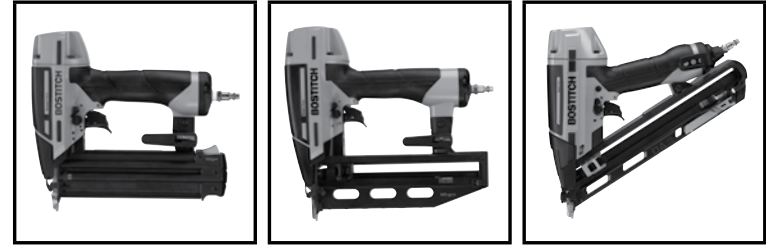


BOSTITCH®

BT1855SP-A, FN1664SP-A, DA1564SP-A



TOOL SAFETY AND OPERATING INSTRUCTIONS MANUAL

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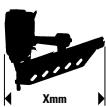




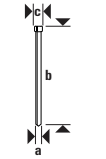
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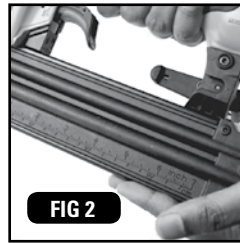
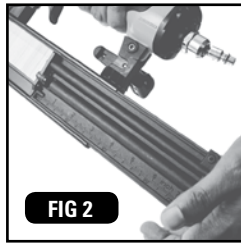
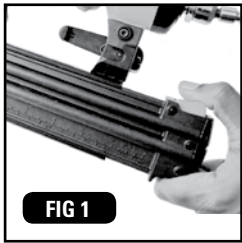
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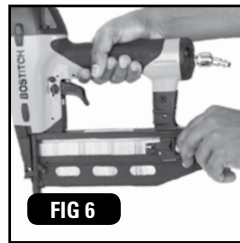
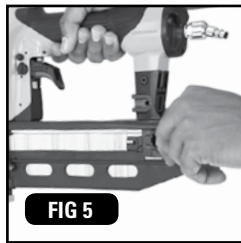
		BT1855SP-A	FN1664SP-A	DA1564SP-A
	Length	235 mm	302 mm	319.5 mm
	Height	240 mm	289 mm	300 mm
	Width	70 mm	86 mm	92 mm
	Weight	1.4 kg	1.8 kg	1.8 kg
	Noise L_{PA} / K_{PA}	84.46 dB / 4 dB	86.6 dB / 4 db	69.5 dB / 4 dB
	Noise L_{WA} / K_{WA}	90.59 dB / 4 dB	93.3 dB / 4 db	79.2 dB / 4 dB
	Noise L_{PA} / K_{PA}	77.6 dB / 4 dB	80.3 dB / 4 db	66.2 dB / 4 dB
	Vibration / Uncertainty	2.91 m/s ² / 1.46 m/s ²	3.19 m/s ² / 1.60 m/s ²	3.13 m/s ² / 1.57 m/s ²
	P max Bar	8.3 Bar	8.3 Bar	8.4 Bar
	P min Bar	4.8 Bar	4.8 Bar	4.9 Bar
	Air consumption per shot @ 5.6 Bar	1.33 L	1.83 L	1.2 l
	Actuation type	6 (Selectable)	6 (Selectable)	6 (Selectable)
	Safety yoke type	2	2	2
	Summer lubricant	PREMOIL-200Z		
	Winter lubricant	WINTEROIL-200Z		
	O-ring lubricant	SB32		
	Fastener Name	C-1	C	AS-DA
	Dimensions (a)	18GA / 1.3 mm	16GA / 1.54mm	15GA / 1.76mm
	Dimensions (b)	15-50 mm	25-64 mm	32-64 mm
	Head (c)	2 mm	1.6x2.8 mm	3.2 mm
	Magazine capacity	100	100	100



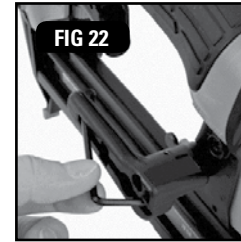
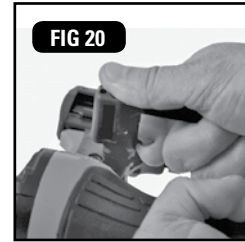
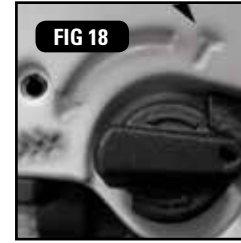
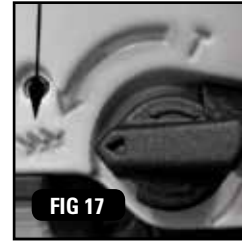
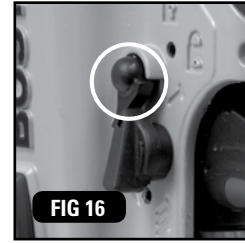
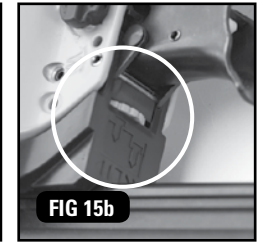
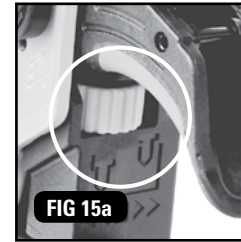
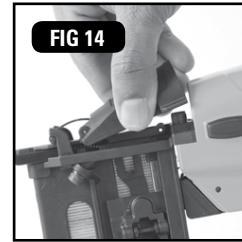
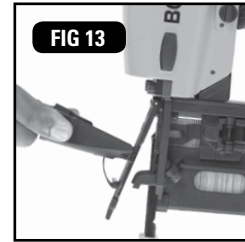
BT1855SP-A



FN1664SP-A



DA1564SP



TOOL SAFETY AND OPERATING INSTRUCTIONS



BEFORE OPERATING THIS TOOL, ALL OPERATORS SHOULD STUDY THIS MANUAL AND THE TOOL TECHNICAL DATA TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR BOSTITCH REPRESENTATIVE OR DISTRIBUTOR.

BEFORE OPERATING THIS TOOL, REFER TO TOOL DATA TABLE, COLUMN L IN THE TOOL TECHNICAL DATA MANUAL TO IDENTIFY THE OPERATING SYSTEM ON YOUR TOOL.

BOSTITCH tools are precision built and designed for high speed, high volume fastening. They will deliver efficient, dependable service when used correctly and with care. As with any fine power tool, the manufacturer's instructions must be followed for best results. Please study this manual and understand the safety warnings and cautions before operating the tool. The instructions on installation, operation and maintenance should be read carefully and the manuals kept for reference. **Note:** Additional safety measures may be required because of your particular application of the tool. Contact your BOSTITCH representative or distributor with any questions concerning the tool and its use.

▲ NOTE:

BOSTITCH tools have been designed to provide excellent customer satisfaction and are designed to achieve maximum performance when used with precision BOSTITCH fasteners engineered to the same exacting standards.

BOSTITCH cannot assume responsibility for product performance if any of our tools are used with fasteners or accessories not meeting the specific requirements established for genuine BOSTITCH nails, staples and accessories.

LIMITED WARRANTY

BOSTITCH is confident of the quality of its products and offers a guarantee for professional users of the product. This guarantee statement is in addition to and in no way prejudices your contractual rights as a professional user or your statutory rights as a private non-professional user. The guarantee is valid within the territories of the Member States of the European Union and the European Free Trade Area.

If your BOSTITCH product becomes defective due to faulty materials or workmanship within 12 months from the date of purchase, BOSTITCH guarantees to replace all defective parts free of charge or – at our discretion – replace the unit free of charge provided that:

- The product has not been misused
- The product has been subject to fair wear and tear; Driver blades, bumpers, and O rings are considered normally wearing parts and are excluded
- Repairs have not been attempted by unauthorised persons
- Proof of purchase is produced
- The product is returned complete with all original components
- The product is returned at your expense together with proof of purchase to our regional repair centre, or an authorised warranty centre.

If you wish to make a claim, contact your seller or check the location of your nearest authorised BOSTITCH repair agent in the BOSTITCH catalogue or contact your BOSTITCH office at the address indicated in this manual.

SPECIAL REFERENCES

Only those fasteners that are specified in the operating instructions (see Tool Technical data) should be used in the tool. The tool and the specified fasteners are to be considered as one single safety system for safety purposes.

Repairs shall only be carried out by the authorized agents of BOSTITCH or by other experts, giving due regard to the safety, operating and maintenance instructions in this manual, the specific tool manual and in the Tool Technical Data.

Note: Experts are those who, as a result of professional training or experience, have acquired sufficient expertise in the field of fastener driving tools as to be able to assess the safe condition of fastener driving tools.

Stands or jigs for mounting the tool 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 tools can be safely fixed for the intended use, thus avoiding for example damage, distortion or displacement.

▲ SAFETY INSTRUCTIONS



EYE PROTECTION which provides protection against flying particles both from the FRONT and SIDE should always be worn by the tool operator and others in the work area when loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury. The employer and/or user must ensure that proper eye protection is worn. Eye protection in accordance with 89/686/EEC/EEC, and with equal or greater grade than defined in EN166 should be used. However all aspects of operators work, environment and other type/s of machinery being used, should also be considered when selecting any personal protection equipment.



CAUTION: ADDITIONAL SAFETY PROTECTION may be required in some environments. For example, the working area may include exposure to noise levels that can lead to hearing damage. The employer and user should ensure that any necessary hearing protection is provided and used by the operator and others in the work area. Some environments will require the use of head protection equipment.

When required, the employer and user must ensure that head protection is used.

▲ SAFETY INSTRUCTIONS FOR AIR SUPPLY AND CONNECTIONS

When connecting tools to the air supply, the fastener discharge area of the tool should be pointed away from the operator and others in the working area. Place the discharge area of the tool over a test piece of material of sufficient thickness which will fully accommodate the dimensions of the fastener to be driven. With hands clear of the trigger and safety yoke mechanism, limbs and body clear of the discharge area the tool the air supply may now be connected.



Do not use oxygen and combustible gases as an energy source for pneumatically operated tools.

Do not use bottled gases or an air supply where the maximum pressure in the line can potentially exceed the maximum pressure stated in the specific tool manual as the tool may burst, possibly causing injury. If the maximum air supply pressure could exceed these pressures, then a pressure reducing valve with a downstream safety valve shall be built into the air supply.

Do not pull the trigger or depress the safety yoke while connecting to the air supply. The tool could cycle, possibly causing injury.

The connector on the tool must not hold pressure when the air supply is disconnected. If a wrong fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected possibly causing injury.

Always disconnect air supply: 1) Before making adjustments; 2) When servicing the tool; 3) When clearing a jam; 4) When tool is not in use; 5) When moving to a different work area, as accidental actuation may occur, possibly causing injury.

▲ SAFETY INSTRUCTIONS FOR LOADING TOOL

When loading the tool 1) Never place a hand or any part of the body in fastener discharge area of the tool; 2) Never point the tool at self or anyone else; 3) Do not pull the trigger or depress the safety yoke as accidental actuation may occur, possibly causing injury.

Note: See the separate Tool Technical Data manual for specific loading instructions and dimensions of recommended fasteners.

SAFETY INSTRUCTIONS FOR TOOL OPERATION

- Always handle the tool with care: 1) Never engage in horseplay; 2) Never pull the trigger unless nose is directed towards the work; 3) Keep others at a safe distance from the tool while tool is in operation as accidental actuation may occur, possibly causing injury.
- The operator must not hold the trigger pulled on tools fitted with a safety yoke (sometimes called safety

trip) except during fastening operation as serious injury could result if the safety yoke accidentally contacts someone or something, causing the tool to cycle.

- Keep hands and body away from the discharge area of the tool. A tool fitted with a safety yoke may bounce from the recoil of driving a fastener and an unwanted second fastener may be driven possibly causing injury.
- Check operation of the safety yoke mechanism frequently. Do not use the tool if the arm is not working correctly as accidental driving of a fastener may result. Do not interfere with the proper operation of the safety yoke mechanism.
- Do not drive fasteners on top of other fasteners as this may cause deflection of fasteners which could cause injury.
- Do not drive fasteners close to the edge of the work piece as the wood may split allowing the fastener to be deflected possibly causing injury.

SAFETY INSTRUCTIONS FOR TOOL MAINTENANCE

When working on air tools note the warnings in this manual, in the tool specific instructions and on the tool itself and use extra care when evaluating problem tools.

⚠ AIR SUPPLY AND CONNECTIONS

When connecting tools to the air supply, the fastener discharge area of the tool should be pointed away from the operator and others in the working area. Place the discharge area of the tool over a test piece of material of sufficient thickness which will fully accommodate the dimensions of the fastener to be driven. With limbs and body clear of the discharge area the tool the air supply may now be connected.

To prevent accidental actuation and possible injury, always disconnect air supply:

1. Before making adjustments.
2. When servicing the tool.
3. When clearing a jam.
4. When tool is not in use.
5. When moving to a different work area, as accidental actuation may occur, possibly causing injury.



Do not use oxygen and combustible gases as an energy source for pneumatically operated tools.

Do not use bottled gases or an air supply where the maximum pressure in the line can potentially exceed the maximum pressure stated in the specific tool manual as the tool may burst, possibly causing injury.

- Compressors must be adequately dimensioned to ensure sufficient pressure and volumetric flow for the expected use. Pressure drops in the air supply can reduce the tool's driving power. Refer to the Tool Technical Data for setting the correct pressure for the tool.
- Industrial air lines should be laid out on a gradient, with the highest point nearest the compressor. Easily accessible water traps should be installed at the lowest points - Drain water traps at least daily, or more often if necessary. Dirt and water in the air supply are major causes of wear in pneumatic tools. Connecting points for the tool should be fitted with a filter/regulator/service unit directly at the connecting point. A filter will help get the best performance and minimize wear. The filter must have adequate flow capacity for the specific installation. The filter has to be kept clean to be effective in providing clean compressed air to the tool. Consult the manufacturer's instructions on the proper maintenance of your filter. A dirty and clogged filter will cause a pressure drop which will reduce the tool's performance.
- Junctions from industrial air lines to the tool should be from the top of the air line.
- The pressure regulator must have an operating pressure range of 0-8.79 bar.
- Air hoses should have a minimum of 10.6 Bar working pressure rating or 150 percent of the maximum pressure that could be provided in the air system. The supply hose should contain a fitting that will supply "quick disconnecting" from the male plug on the tool.
- Ensure that the pressure supplied to the tool does not exceed the maximum allowable working pressure, called ps max. (see Tool Technical Data), Initially set the supply pressure to the lowest recommended working pressure (see Tool Technical Data).
- Check that the tool is functioning correctly by applying the nose to a piece of scrap wood and pulling the trigger once or twice.

LUBRICATION

- Frequent, but not excessive lubrication is required for best performance. Oil added through the air line connection will lubricate the internal parts. For details of the correct lubricant see the Tool Technical Data. Do not use detergent oil or additives as these lubricants will cause accelerated wear to the seals and bumpers in the tool, resulting in poor tool performance and frequent tool maintenance.
- If no airline lubricator is used, add oil during use into the air fitting on the tool once or twice a day. Only a few drops of oil (3-5) at a time are necessary. Too much oil will only collect inside the tool and will be noticeable in the exhaust cycle.
- Cold weather operation. - For cold weather operation, near and below freezing, the moisture in the air line may freeze and prevent the tool operation. We recommend the use of BOSTITCH Winter Formula air tool lubricant or permanent antifreeze (ethylene glycol(A)) as a cold weather lubricant.

Caution - To prevent frost or ice formation on the tool's operating valves and mechanisms that could cause tool failure, do not store the tool in a cold weather environment.

Note: Some commercial air line drying liquids are harmful to "O"-rings and seals - do not use these low temperature air dryers without checking compatibility.

⚠ WARNING! To prevent accidental injuries:

- **Never place a hand or any other part of the body in fastener discharge area of tool.**
- **Never point tool at yourself or anyone whether it contains fasteners or not.**
- **Never engage in horseplay.**
- **Never pull the trigger unless the nose is directed towards the work.**
- **Always handle the tool with care.**
- **Use the Bostitch tool only for the purpose for which it was designed, such as: the finishing around doors, windows and edging; draw bottoms, cabinet backs and cabinet making; picture framing and furniture trim. These tools should not be used for anything other than wood to wood applications.**
- **Do not pull the trigger or depress the work safety yoke whilst loading the tool.**
- **To prevent accidental actuation and possible injury, always disconnect air supply.**
 1. Before making adjustments.
 2. When servicing the tool.
 3. When clearing a jam.
 4. When tool is not in use.
 5. When moving to a different work area, as accidental actuation may occur, possibly causing injury.
- **Read the additional Safety & Operating instructions booklet before using tool.**
- **Do not use oxygen and combustible gases as an energy source for pneumatically operated tools.**
- **The operation of this tool can cause sparks and act as a source of ignition for flammable fuels and gases.**

LOADING

⚠ **Warning!** When loading the tool 1) Never place a hand or any part of the body in fastener discharge area of the tool; 2) Never point the tool at self or anyone else; 3) Do not pull the trigger or depress the safety yoke as accidental actuation may occur, possibly causing injury.

BT1855SP-A

1. Depress magazine release button and pull back magazine. (Fig 1)
2. With magazine fully open, insert fasteners. Points must be against bottom of magazine. (Fig 2)
3. Push magazine forward. Continue pushing until latch is engaged. (Fig 3)

FN1664SP-A

1. Load nails through the slot in the rear of the magazine and past retaining clip. (Fig 4)
2. Pull pusher back behind nail stick and release. (Fig 5)
3. Ensure magazine pusher is behind the last nail stick. (Fig 6)

DA1564SP-A

This is equipped with dual load purpose magazines. Nails can be loaded in either method.

LOAD AND PULL PUSHER

1. Load nails through the slot in the rear of the magazine and past retaining clip. (Fig 7)
2. Pull pusher back behind nail stick and release. (Fig 8)
3. Ensure magazine pusher is behind the last nail stick. (Fig 9)

PULL PUSHER TO LOCK BACK AND LOAD

1. Pull pusher back until it is locked at the end of magazine. (Fig 10)
2. Load nails through the slot in the rear of the magazine and past retaining clip. (Fig 11)
3. Press the pusher button to release and allow the pusher to push behind the nails. (Fig 12)
4. Blow the magazine clean periodically to keep the pusher moving smoothly and to keep dirt and debris out of the nail channel.

JAM CLEARANCE

⚠ Warning! Always disconnect the air before clearing a jammed fastener.

Jam Clearing

1. Disconnect the air supply from the tool.
2. Relieve fasteners from pusher (DA1564SP-A & FN1664SP-A) or open the magazine (BT1855SP-A).
3. Open the jam clearing nose door by pulling down and then up on the latch (DA1564SP-A / FN1664SP-A only - Fig 13).
4. Remove the jammed fastener. In certain circumstances, pliers may be required to remove the fastener.
5. Close the jam clearing nose door latch (DA1564SP-A / FN1664SP-A only - Fig 14).
6. Pull pusher back behind fasteners (DA1564SP-A / FN1664SP-A) or close the magazine (BT1855SP-A).

“DIAL-A-DEPTH™” FASTENER CONTROL ADJUSTMENT (FIG 15a / 15b)

The DIAL-A-DEPTH™ Fastener Control adjustment feature provides close control of the fastener drive depth; from flush with the work surface to shallow or deep countersink. First, set the air pressure for consistent drive in the specific work, then use the DIAL-A-DEPTH™ Fastener Control adjustment to give the desired depth of drive.

TRIGGER LOCKOUT CONTROL (Fig 16)

The trigger lockout control feature on BOSTITCH pneumatic tools provides a trigger lock feature for added safety control. Push the Lockout control button in or out to activate or lock the tool trigger.

ACTUATION MODE

⚠ Warning! Always disconnect air supply before making adjustments as accidental actuation may occur, possibly causing injury.

SAFETY YOKE TYPE

These models operate differently from all other BOSTITCH tools. To provide maximum visibility for accurate fastener placement, the safety yoke of this tool is normally in the “depressed” or “up” position. On all other BOSTITCH tools and most other tools, the safety yoke is normally in the “extended” or “down” position.

This tool has a selectable actuation mode which determines if the tool drives fasteners in sequential or contact actuation mode. In sequential mode, when the tip of the nose is placed on the work surface and the trigger is pulled, the safety yoke moves out from the tool to detect the work surface. The tool nose tip must be in contact with the work surface to actuate. If the safety yoke does not detect the work surface close enough to the nose of the tool, the tool will not actuate.

In contact actuation mode, when the trigger is depressed and held, the safety yoke will move out from the tool. Contacting the work surface with the tool nose, will actuate the safety yoke driving a fastener each time the work surface is contacted.

SELECTABLE ACTUATION SYSTEM

These models feature a selectable actuation system that allows the user to choose between the following modes of operation:

SEQUENTIAL ACTUATION MODE

The sequential actuation mode requires the operator to hold the tool against the work with the safety yoke depressed before pulling the trigger. In order to drive additional fasteners, the trigger must be released and

the tool lifted away from the work, before repeating the above mentioned steps. This makes accurate fastener placement easier, for instance on framing, toe nailing and crating applications. The sequential actuation mode allows exact fastener location without the possibility of driving a second fastener on recoil, as described under Contact Actuation Mode (below). The sequential actuation mode has a positive safety advantage because it will not accidentally drive a fastener if the tool is contacted against the work - or anything else - while the operator is holding the trigger pulled.

CONTACT ACTUATION MODE

The common operating procedure on “Contact Actuation Mode” or “Bump Mode” tools is for the operator to actuate the safety yoke while keeping the trigger pulled, thus driving a fastener each time the work is contacted. This will allow rapid fastener placement on many jobs, such as sheathing, decking and pallet assembly. All pneumatic tools are subject to recoil when driving fasteners. The tool may bounce, releasing the safety yoke and if unintentionally allowed to re-contact the work surface with the trigger still actuated (finger still holding the trigger pulled) an unwanted second fastener will be driven.



Warning: Tools must NOT be used in Contact Actuation Mode where changing from one working position to another involves the use of ladders, stairs or similar structures such as roofs

SELECTING THE ACTUATION MODE (Fig 17-18):

To ensure safety, the user should lock the trigger (see Trigger Lockout Control above) before changing the trigger system. To change the actuation mode, rotate the switch in the counterclockwise direction. The switch will lock automatically when the indicating arrow is pointing down to the 3 nail icon stamped into the tool frame (Contact Actuation Mode) or to a single nail icon stamped in the tool frame (Sequential Actuation Mode). Unlock the trigger to resume tool operation.

TOOL OPERATION CHECK

CAUTION: Remove all fasteners from tool before performing tool operation check.

⚠ WARNING! If the tool has been dropped or you suspect tool damage perform tool operation check as defined in the tool operation check section.

FULL SEQUENTIAL TRIP OPERATION

- A) Without touching the trigger, press the safety yoke against the work surface.
THE TOOL MUST NOT CYCLE.
- B) Hold the tool off the work surface and, avoiding to point the tool at self or others, pull the trigger.
THE TOOL MUST NOT CYCLE.
- C) With the tool off the work surface, pull the trigger. Press the safety yoke against the work surface
THE TOOL MUST NOT CYCLE.
- D) Without touching the trigger, press the safety trip against the work surface then pull the trigger.
THE TOOL MUST CYCLE.
- E) With the safety trip still pressed against the work surface, pull the trigger again.
THE TOOL MUST NOT CYCLE.

CONTACT ACTUATION OPERATION

- A) With the finger off the trigger, press the safety yoke against the work surface.
THE TOOL MUST NOT CYCLE.
- B) Hold the tool off the work surface and, avoiding to point the tool at self or others, pull the trigger.
THE TOOL MUST NOT CYCLE.
- C) With the tool off the work surface, pull the trigger. Press the safety yoke against the work surface
THE TOOL MUST CYCLE.
- D) Without touching the trigger, press the safety yoke against the work surface then pull the trigger.
THE TOOL MUST CYCLE.

TOOL USE

Having checked that the tool is working properly, press the nose against the work piece and pull the trigger. Check whether the fastener has been driven as required.

- If the fastener is not driven deep enough, increase the air pressure by 5-6 psi (0.5 Bar) at a time, checking the result after each adjustment. Do not exceed the maximum permissible working pressure (see Tool Technical Data)
- If the fastener is driven too deeply, reduce the air pressure by 5-6 psi (0.5 Bar) at a time, checking the result after each adjustment. Do not try to use less than the minimum working pressure (see Tool Technical Data).

Always try to work with the lowest possible air pressure. This will reduce the noise and vibration produced and will extend the life of the internal components such as the bumper.

UTILITY HOOK INSTALLATION (Fig 19-21):

These tools include an additional utility hook suitable for storage and temporary hanging of the tool.

Warning: Always disconnect tool from air supply before making adjustments or before attempting any part assembly or disassembly.

1. Make sure sequential actuation mode is selected (See Actuation Mode above)
2. Depress the utility hook release button on the hook body (Fig 16)
3. Slide the utility hook into the hook attachment slot. (Fig 17)
4. Release the utility hook release button and check to ensure that the hook is locked in position. (Fig 18)

⚠ WARNING! Never use the utility hook with the contact actuation mode.

HEX WRENCH STORAGE - (Fig 22)

A hex wrench for servicing the nailer is stored within the belt hook.

INTEGRATED AIR BLOWER (FIG 23, 24)

The DA1564SP-A has an integrated air blower that helps clean debris while working. Press the integrated air blower button. Compressed air will be ejected out from front of the tool. Released the button to stop blowing air.

DO NOT DIRECT AIR STREAM AT BODY Risk of injury, do not direct air stream at persons or animals.

INTEGRATED PENCIL SHARPENER - DA1564SP-A

A pencil sharpener is integrated into the magazine for the operator's convenience. To sharpen a pencil, insert any standard pencil into the hole and rotate the pencil to the right (clockwise) to sharpen. Check compatibility before use.

IN ADDITION TO THE OTHER WARNINGS IN THIS MANUAL OBSERVE THE FOLLOWING FOR SAFE OPERATION:

- Respect your BOSTITCH pneumatic fastening tool as a tool. It is not a toy. No Horseplay.
- Use the BOSTITCH pneumatic tool only for the purpose for which it was designed.
- Never use the tool in a manner that could cause a fastener to be directed towards the user or others in the work area.
- Do not use the tool as a hammer.
- Always carry the tool by the handle. Never carry the tool by the air hose. Never carry the tool with the trigger pulled.
- Do not alter or modify this tool from the original design or function without the written approval of BOSTITCH
- Always be aware that misuse and improper handling of this tool can cause injury to yourself and others.
- Never clamp or tape the trigger or safety yoke in an actuated position.
- Never leave a tool unattended with the air hose attached.
- Do not operate this tool if it does not contain a legible WARNING LABEL.
- Do not continue to use a tool that leaks air or does not function properly. Notify your nearest BOSTITCH representative if your tool continues to experience functional problems.
- During operation, hold the tool in such a way that no injuries can be caused to the head or to the body should the tool recoil increase due to a drop in the supply air pressure or hard areas within the work piece.

- Do not work close to corners or at the edge of the work piece. The fastener could slip out of the work piece, possibly causing injury.
- When transporting the tool, disconnect the air supply first.
- Check that the safety yoke (if present) and the trigger both function correctly.
- Do not dismantle or block any part of the tool, in particular not the safety yoke.
- Never perform "emergency repairs" without the proper equipment.
- Avoid weakening the tool by punching or engraving.

MAINTENANCE

Disconnect the tool from the air supply and completely empty the magazine before starting maintenance or repairs. Note the warnings in this manual in the Tool Technical Data and on the tool itself and use extra care when evaluating problem tools.

BOSTITCH replacement parts are recommended. Do not use modified parts or parts that will not give performance equal to the original equipment.

When repairing a tool, make sure the internal parts are clean and lubricated. Use Parker "O"-Lube or equivalent on all "O"-rings. Coat each "O"-ring with "O"-Lube before assembling. Use a small amount of oil on all moving surfaces and pivots. After reassembly add a few drops of BOSTITCH Air Tool Lubricant through the airline before testing.

For further instructions relating specifically to the maintenance of your tool, refer to the Tool Technical Data.

NOISE EMISSION (See Tool Technical Data)

The characteristic noise values for the tool have been determined in accordance with EN 12549 - "Acoustics - Noise test code for fastener driving tools - Engineering Method."

These values are tool related characteristic values and do not represent the noise development at the point of use. Noise development at the point of use will depend for example on the working environment, the work piece, the work piece support and the number of driving operations, etc.

Depending on the conditions at the workplace and the form of the work piece, individual noise attenuation measures may need to be carried out, such as placing work pieces on sound damping supports, preventing work piece vibration by means of clamping or covering, adjusting to the minimum air pressure required for the job, etc.

INFORMATION ON VIBRATION (see Tool Technical Data)

The characteristic vibration value for the tool has been determined in accordance with ISO/WD 8662-11 "Measurement of vibration in hand held power tools - Part 11 Fastener Driving Tools".

This value is a tool related characteristic and does not represent the influence on the hand-arm system when using the tool. An influence on the hand-arm system when using the tool will depend for example on the gripping force, the contact force, the working direction, the working direction, the adjustment of the compressed air supply, the work piece, the work piece support, etc.

PROBLEM	CAUSE	CORRECTION
Failure to cycle	Air supply restriction	Check air supply equipment
	Tool dry, lack of lubrication	Use BOSTITCH Air Tool Lubricant
	Worn head valve O-rings (if present)	Replace O-rings
	Broken cylinder cap spring	Replace cylinder cap spring
Lack of power; slow to cycle	Head valve (if present) stuck in cap	Disassemble/Check/Lubricate
	Air pressure too low	Check air supply equipment
	Tool dry, lacks lubrication	Use BOSTITCH Air Tool Lubricant
	Broken cylinder cap spring	Replace cylinder cap spring
	O-rings/seals cut or cracked	Replace O-rings/seals
	Exhaust blocked	Check bumper, head valve spring, muffler
	Trigger assembly worn/leaks	Replace trigger assembly
	Cylinder sleeve not seated correctly on bottom bumper	Disassemble to correct
Trigger valve housing leaking air.	Head valve dry	Disassemble/lubricate
	O-ring cut or cracked	Replace O-ring
Trigger valve stem leaks air	O-rings/seals cut or cracked	Replace O-rings/seals
Frame/nose leaks air	O-ring or gasket is cut or cracked	Replace O-ring or gasket
	Bumper cracked/worn	Replace bumper
Frame/cap leaks air	Damaged gasket or seal	Replace gasket or seal
	Cracked/worn head valve bumper	Replace bumper
	Loose cap screws	Tighten and recheck
	Worn bumper	Replace bumper
Skipping fasteners; intermittent feed	Air restriction/inadequate air flow through quick disconnect socket and plug	Replace quick disconnect fittings
	Worn piston O-ring (if present)	Replace O-ring, check driver
	Tool dry, lacks lubrication	Use BOSTITCH Air Tool Lubricant
	Damaged pusher spring	Replace spring
	Low air pressure	Check air supply system to tool
	Loose magazine nose screw	Tighten all screws
	Fasteners too short for tool	Use only recommended fasteners
	Bent fasteners	Discontinue using these fasteners
	Wrong size fasteners	Use only recommended fasteners
	Leaking head cap gasket	Tighten screws/replace gasket
	Trigger valve O-ring cut/worn	Replace O-ring
	Broken/chipped driver	Replace driver (check piston O-ring)
	Dry/dirty magazine	Clean/lubricate use BOSTITCH Air Tool Lubricant
	Worn magazine	Replace magazine
	Fasteners jam in tool	Driver channel worn
Wrong size fasteners		Use only recommended fasteners
Bent fasteners.		Discontinue using these fasteners
Loose magazine/nose screws		Tighten all screws
Broken/chipped driver		Replace driver (check piston O-ring)