

Bostitch 21680B

Bostitch 21680B 80 Series Fine Wire Stapler Instruction Manual

Model: 21680B

1. PRODUCT OVERVIEW

The Bostitch 21680B is an air-powered fine wire stapler designed for various fastening applications. This tool is engineered for efficiency and durability, utilizing 80 series staples with a 1/2-inch crown and leg lengths ranging from 1/4 inch to 1/2 inch.

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Bostitch 21680B stapler.



Image: The Bostitch 21680B Fine Wire Stapler, showcasing its yellow and black design and staple magazine.

2. SAFETY INFORMATION

Always observe the following safety precautions when operating the Bostitch 21680B stapler to prevent injury and tool damage:

- Read and understand all instructions before operating the tool.
- Wear appropriate personal protective equipment (PPE), including safety glasses with side shields, hearing protection, and gloves.
- Ensure the air compressor is set to the recommended operating pressure (refer to specifications). Do not exceed the maximum allowable pressure.
- Disconnect the air supply before loading staples, performing maintenance, clearing jams, or when the tool is not in use.
- Never point the tool at yourself or others.
- Keep hands and body parts clear of the discharge area.
- Use only the specified staples for this tool.
- Do not operate the tool if it is damaged or malfunctioning.
- Keep the work area clean and well-lit.

3. COMPONENTS

Familiarize yourself with the main components of your stapler:

- **Trigger:** Activates the stapling mechanism.
- **Magazine:** Holds the strip of staples.
- **Exhaust Port:** Releases compressed air.
- **Air Inlet:** Connection point for the air hose.
- **Contact Trip:** Safety mechanism that must be pressed against the workpiece for the tool to fire.

4. SETUP

4.1 Connecting to Air Supply

1. Ensure the air compressor is turned off and the air tank is drained.
2. Attach a quick-connect fitting (not included) to the stapler's air inlet.
3. Connect the air hose from the compressor to the stapler's quick-connect fitting.
4. Set the air compressor regulator to the recommended operating pressure (typically 70-100 PSI, refer to tool specifications for exact range).
5. Turn on the air compressor.

4.2 Loading Staples

1. **Disconnect the air supply before loading staples.**
2. Push the magazine latch or release button to open the staple magazine.
3. Insert a strip of 80 series staples into the magazine with the staple points facing down. Ensure the staples are correctly oriented.
4. Close the magazine until it latches securely.
5. Reconnect the air supply.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

1. Ensure the stapler is properly loaded with staples and connected to the air supply.
2. Hold the stapler firmly with both hands.
3. Place the nose of the tool (contact trip) firmly against the workpiece where the staple is to be driven.
4. Squeeze the trigger to drive a staple.
5. Release the trigger and lift the tool from the workpiece.

5.2 Depth Adjustment (If applicable)

Some models may feature a depth adjustment mechanism. If your model includes this feature, refer to the markings on the tool for adjusting staple depth. Rotate the adjustment dial or lever to achieve the desired staple penetration.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your stapler.

6.1 Daily Maintenance

- **Disconnect air supply.**
- Add 3-5 drops of pneumatic tool oil (not included) into the air inlet before each use.
- Wipe down the tool with a clean, dry cloth to remove dust and debris.
- Check all screws and fasteners for tightness. Tighten as necessary.

6.2 Air Compressor Maintenance

Regularly drain moisture from your air compressor tank to prevent rust and ensure clean air supply to the tool.

6.3 Storage

Store the stapler in a clean, dry environment, disconnected from the air supply.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Stapler does not fire	No air supply Low air pressure Magazine empty Contact trip not fully depressed	Connect air hose Increase air pressure at compressor Load staples Press tool firmly against workpiece
Staples jam frequently	Incorrect staple size/type Damaged staples Low air pressure Tool needs lubrication	Use recommended 80 series staples Replace staple strip Increase air pressure Add pneumatic tool oil to air inlet
Staples not driven flush	Low air pressure Depth adjustment incorrect	Increase air pressure Adjust depth setting (if applicable)

To clear a jam: Disconnect the air supply. Open the magazine and carefully remove any jammed staples or debris. Do not force staples out. Reconnect air supply and test.

8. SPECIFICATIONS

- **Model:** 21680B
- **Staple Series:** 80 Series
- **Crown Size:** 1/2 inch
- **Leg Length:** 1/4 inch to 1/2 inch
- **Power Source:** Air-powered
- **Operating Pressure:** Typically 70-100 PSI (consult tool for exact range)
- **Magazine Capacity:** Full Strip (approximately 156 fasteners)
- **Item Weight:** 2.15 pounds
- **Material:** Metal
- **Color:** Yellow
- **Included Components:** Attachments
- **Manufacturer:** Stanley Bostitch

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Bostitch website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.

© 2024 Bostitch. All rights reserved.