

See enclosed Honda Engine Manual for proper operation.

## **GENERAL MAINTENANCE AND SERVICE**

Always note position and orientation of parts as removed to assure correct repositioning when reassembling.

### **Air filter**

Inspect air filter before each use. Clean filter pad with soap and water as necessary. If filter becomes clogged or damaged, replace it.

**WARNING:** Never clean air filter with a flammable liquid or solvent. Explosive vapors may accumulate in the air tanks and cause an explosion, resulting in serious injury or death.

**CAUTION:** Do not operate air compressor without air filter.

### **Storage Tanks**

Storage tanks should be drained after each use or after every four hours of operation to prevent condensation build-up and corrosion inside tank. To drain tanks, slowly and carefully open drain fittings tip unit towards drain and allow water to drain out.

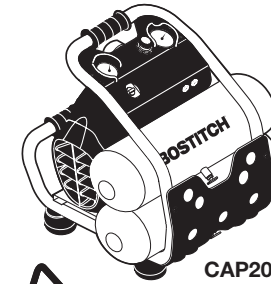
**NOTE:** When draining tanks, watch for debris (rust particles). If there appears to be debris in water, contact your dealer for possible tank replacement.

**WARNING:** Failure to regularly drain tank may cause tank corrosion and risk of tank explosion, resulting in serious injury. To avoid risk of tank failure during use, drain tank after each use or every four hours to prevent condensation build-up and corrosion inside tank.

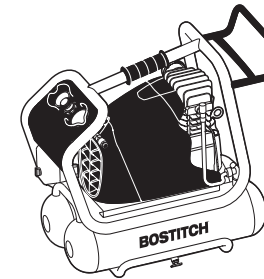
If warranty service or repairs are needed contact your nearest authorized service center. If one does not exist, contact the factory. Unauthorized teardown of the unit will void the factory warranty.

# **BOSTITCH®**

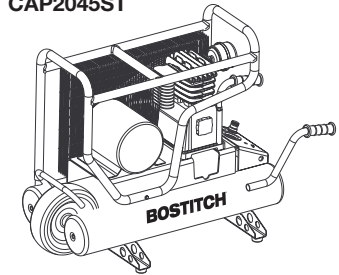
## **AIR COMPRESSORS**



**CAP2045ST**



**CAP1545PT-OF / CAP1545PT-OL**



**CAP1580WB / CAP5580WB**

## **OPERATION and MAINTENANCE MANUAL**

### **WARNING:**

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

# **BOSTITCH®**

**STANLEY** Fastening Systems

## INTRODUCTION

Congratulations on your purchase of a High Performance BOSTITCH Portable Air Compressor. This compressor has been designed to provide compressed air to power various pneumatic tools including pneumatic fastening tools.

Before assembling, operating or maintaining this air compressor, users must read and understand the information contained in this owner's manual. Carefully review the Rules for Safe Operation section in this owner's manual and fully understand all warnings.

**⚠WARNING:** Warnings indicate a potentially hazardous situation which, if not avoided, could result in death or serious bodily injury.

**NOTICE:** Notice indicates important information that if not followed correctly could result in damage to equipment.

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## NOTE:

Bostitch compressors have been engineered to provide excellent customer satisfaction and are designed to achieve maximum performance.



## LIMITED WARRANTY

Bostitch, Inc., warrants to the original retail purchaser that this product is free from defects in material and workmanship, and agrees to repair or replace, at Bostitch's option, any defective product within 1 year from the date of purchase. This warranty is not transferable. It only covers damage resulting from defects in material or workmanship, and it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident or repairs attempted or made by other than our regional repair center or authorized warranty service center.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THIS WARRANTY. BOSTITCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This warranty is limited to sales in the United States and Canada. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, return the product at your expense together with proof of purchase to a Bostitch Regional or authorized warranty repair center. You may call us at 1-800-556-6696 for the location of authorized warranty service centers in your area.

## CAP2045ST-OL

Motor:	2HP – 115V – 60HZ
Fuse Requirements:	15 Amps minimum
Operating Pressure:	0 – 125 PSI
Safety Valve Setting:	150 PSI
Displacement:	
Air Delivery:	4.9 CFM @ 40 PSI 4.1 CFM @ 90 PSI
Maximum Amps at Working Pressure:	15
Tank Size:	4.5 Gallons
Air Outlet:	1/4" NPT
Pressure Switch Settings	On @ 100 PSI Off @ 125 PSI
Weight:	68 lbs.
PSI = Pounds Per Square Inch	CFM = Cubic Feet Per Minute

## CAP1580WB

Motor:	1.5HP – 115V – 60HZ
Fuse Requirements:	15 Amps minimum
Operating Pressure:	0 – 135 PSI
Safety Valve Setting:	150 PSI
Displacement:	8.4 CFM
Air Delivery:	7.6 CFM @ 40 PSI 6.5 CFM @ 90 PSI
Maximum Amps at Working Pressure:	10.5
Tank Size:	8 Gallons
Air Outlet:	1/4" NPT
Pressure Switch Settings	On @ 100 PSI Off @ 125 PSI
Weight:	
PSI = Pounds Per Square Inch	CFM = Cubic Feet Per Minute

## CAP5580WB

Motor:	5.5HP
Operating Pressure:	0 – 135 PSI
Safety Valve Setting:	150 PSI
Displacement:	
Air Delivery:	14.6 CFM @ 40 PSI 13.4 CFM @ 90 PSI
Tank Size:	8 Gallons
Air Outlet:	1/4" NPT
Pressure Settings	On @ 100 PSI Off @ 125 PSI
Weight:	
PSI = Pounds Per Square Inch	CFM = Cubic Feet Per Minute

## SPECIFICATIONS

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## CAP1560

Motor:	1.5HP – 115V – 60HZ
Fuse Requirements:	15 Amps minimum
Operating Pressure:	0 – 125 PSI
Safety Valve Setting:	150 PSI
Displacement:	
Air Delivery:	3.4 CFM @ 40 PSI 2.7 CFM @ 90 PSI

Maximum Amps at Working Pressure:	10.5
Tank Size:	6 Gallons
Air Outlet:	1/4" NPT
Pressure Switch Settings	On @ 100 PSI Off @ 125 PSI

Weight:  
PSI = Pounds Per Square Inch

CFM = Cubic Feet Per Minute

## CAP1545PT-OF

Motor:	1.5HP – 115V – 60HZ
Fuse Requirements:	15 Amps minimum
Operating Pressure:	0 – 125 PSI
Safety Valve Setting:	150 PSI
Displacement:	
Air Delivery:	4.1 CFM @ 40 PSI 3.5 CFM @ 90 PSI

Maximum Amps at Working Pressure:	10.5
Tank Size:	4.5 Gallons
Air Outlet:	1/4" NPT
Pressure Switch Settings	On @ 100 PSI Off @ 125 PSI

Weight:  
PSI = Pounds Per Square Inch

CFM = Cubic Feet Per Minute

## CAP1545PT-OL

Motor:	1.5HP – 115V – 60HZ
Fuse Requirements:	15 Amps minimum
Operating Pressure:	0 – 125 PSI
Safety Valve Setting:	150 PSI
Displacement:	
Air Delivery:	4.1 CFM @ 40 PSI 3.5 CFM @ 90 PSI

Maximum Amps at Working Pressure:	12
Tank Size:	4.5 Gallons
Air Outlet:	1/4" NPT
Pressure Switch Settings	On @ 100 PSI Off @ 125 PSI

Weight:  
PSI = Pounds Per Square Inch

CFM = Cubic Feet Per Minute

## SPECIFICATIONS

## RULES FOR SAFE OPERATION



The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1-1989 and provide both frontal and side protection. **NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.**



**CAUTION: Additional Safety Protection will be required in some environments. For example, the working area may include exposure to noise level which can lead to hearing damage. The employer and user must 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 conforming to ANSI Z89.1 1986 is used.**

1. All users must read and fully understand all information contained in this owner's manual before assembling, operating, or maintaining this air compressor.
2. Never touch any moving parts with any body parts.
3. Never operate air compressor without all guards and shrouds in place.
4. Never exceed the pressure rating of any component within the air system (including, but not limited to, spray guns, hose and hose connections).
5. **Always wear eye protection when operating.**
6. Operate compressor only in a dry, clean, and well-ventilated area.
7. Inspect all components before use for any signs of wear or damage. Do not operate compressor if any deficiency is found. Contact your Authorized BOSTITCH Service Center for replacement parts and service.
8. Compressed air blast must never be aimed at anyone. Accidental discharge may result in serious injury.
9. Keep children away from area of operation.
10. All air compressors generate heat even under normal operating conditions. To avoid serious burns never touch the cylinder head parts or tubing during or immediately after operation.
11. Always shut the air compressor off by the power switch before unplugging. This allows the unloader valve to properly function resulting in easier starting.
12. Do not abuse the power cord. Use only the handle to transport the air compressor.
13. Avoid the use of an extension cord; instead use a longer airline.
14. Operate at the air compressors rated voltage.
15. Keep work area clean and free from debris.
16. Always disconnect air compressor before transporting, servicing, or maintenance.
17. Use only a properly grounded outlet that will accept a three-pronged plug. Wear proper footwear to prevent against shocks.
18. Drain tanks of moisture daily by opening the drain cocks. Leave drain cocks open if unit is not to be used for any length of time. This will allow moisture to completely drain from the tanks and help prevent corrosion.
19. **Never tamper with the safety valve or pressure switch settings. See only an Authorized BOSTITCH Service Center to service and maintain these components. Any adjustments to this valve could cause serious injury.**
20. Use only Genuine BOSTITCH replacement parts.
21. Save this owner's manual with the air compressor and allow all other operators to completely read and fully understand the manual.

**NOTICE:** To aid in removal and to prevent breakage of the tee or other fittings:

**When removing the fitting(s) from the tank, it may be necessary to apply heat to the area of the threads.**

**– USE CAUTION WHEN APPLYING HEAT –**

**⚠WARNING:** WHEN SPRAYING LACQUER OR OTHER FLAMMABLE LIQUIDS, THERE IS A DANGER OF FIRE OR EXPLOSION. SPRAYING AREA MUST BE WELL-VENTILATED AND AWAY FROM ANY OPEN FLAME. DO NOT SMOKE. LOCATE COMPRESSOR MAXIMUM DISTANCE FROM SPRAYING AREA. TO MINIMIZE RISK OF ELECTRICAL SHOCK, DO NOT EXPOSE TO RAIN. STORE INDOORS.

**SAFETY VALVE** – The safety valve is set to avoid over pressurization of the air tanks. It is present at 140 PSIG and will not function unless tank pressure reaches this pressure. DO NOT ATTEMPT TO ADJUST OR ELIMINATE THIS SAFETY DEVICE.

**⚠WARNING:** DO NOT PERFORM WELDING OPERATIONS ON THE AIR TANK OF THIS COMPRESSOR. WELDING ON THE AIR COMPRESSOR TANK CAN SEVERELY IMPAIR TANK STRENGTH AND CAUSE AN EXTREMELY HAZARDOUS CONDITION. WELDING ON THE TANK IN ANY MANNER WILL VOID THE WARRANTY.

## ASSEMBLY

## CAP1560

1. Remove the air compressor from the box and inspect the unit for any damaged or defective parts. Have any damaged components repaired or replaced before operation.
2. Attach the two wheels using the bolts and nuts provided. Tighten the nuts with a wrench.
3. Attach the front rubber foot pad using the screw, washer, and nut provided. Be careful not to over tighten the bolt.
4. Screw a  $\frac{1}{2}$ " MPT (male pipe thread) quick disconnect air coupler into the air outlet on the regulator. Be sure to wrap the threads of the coupler with Teflon tape to prevent leakage.
5. Attach an airline to the quick disconnect air coupler and your BOSTITCH air compressor is now ready for use.

**NOTICE:** Use only the recommended extension cord to ensure the proper operation of the air compressor. The use of a non-recommended extension cord can result in the loss of voltage supplied to the compressor. This situation could prevent the air compressor from starting. For optimum performance increase the length of the airline rather than using an extension cord.

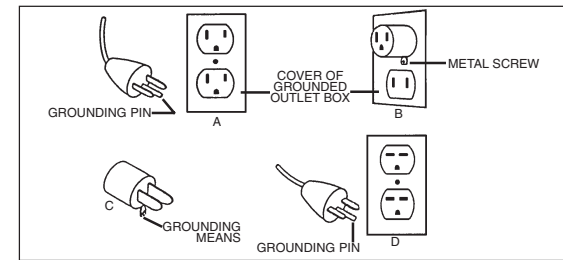
Less than 25 Ft.	14 Gauge
25 - 50 Ft.	12 Gauge
Longer than 50 Ft.	Not Recommended

## ELECTRICAL GROUNDING INSTRUCTIONS

This product should be electrically grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape wire for electrical current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. This product is shipped for use on a nominal 115 volt, and has a grounding plug that looks like the plug in illustration A. A temporary adapter, which looks like the adapter illustrated in illustration B, may be used to connect this plug to a 2-pole receptacle as shown in illustration B if a properly grounded outlet is not available. The temporary adapter should be used only until a qualified electrician can install a properly grounded outlet (Illustration A). The green colored rigid lug, or wire extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover (Illustrations B & C). Whenever the adapter is used it must be held in place by a metal screw.

**⚠DANGER:** IMPROPER INSTALLATION OF THE GROUNDING PLUG CAN RESULT IN A RISK OF ELECTRIC SHOCK. If a repair or replacement cord is necessary, do not connect the grounding wire to either flat blade terminal. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether this product is properly grounded. Do not modify the plug provided; if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

The motor of this compressor has a thermal overload protector in the motor winding. If the motor should overheat, the overload protector will shut off the motor. When the temperature returns to normal, the motor will restart automatically.



**NOTICE!** Do not stop the compressor by pulling out the plug. Use only the ON/OFF switch, which operates a pressure relief valve on the compressor. If the compressor is plugged in with the switch in the on position, the compressor may have trouble restarting against the high pressure causing excessive heat build up which could damage the motor.

## ELECTRIC UNITS

## OPERATION

1. Inspect compressor for any damaged components. Have any damaged components repaired or replaced before operation.
2. Attach airline
3. Plug the unit into a properly grounded outlet.
4. Pull the ON/OFF switch up to the on position. The unit will start and the tank will begin to fill.
5. Adjust the pressure regulator to the proper pressure setting required for the air tool. The pressure setting can be viewed by reading the needle position on the regulator gauge. To operate the regulator, pull up on the knob to unlock. Turning the knob clockwise reduces the regulated air pressure, while turning counter clockwise increases the air pressure. When the proper pressure is reached, lock the knob by pushing it down.

**CAUTION Risk Bursting** – Do not adjust regulator to result in output pressure greater than marked maximum pressure of attachment.

6. The unit is now ready for operation and will cycle itself on and off to keep the tank pressure maintained as the air is consumed.
7. Shut the unit off by pushing the pressure switch knob to the off position. Never shut the unit off by unplugging the cord. This will not activate the pump pressure unloader valve, making restarting difficult.

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