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**Installation Instructions**  
**Air Compressor**  
**Part # 2780, 2781**

**Note:** It is essential that the operator of this product read and understand the contents of this manual before installing and using this product.

Parts Included	Qty	Parts Included	Qty
Compressor	1	Coil Air Hose	1
Storage Bag	1	Accessory Kit (Needles)	1

SAVE THIS MANUAL FOR FUTURE REFERENCE

P/N: 2781

**SPECIFICATIONS**

Maximum Voltage: 13.8 volt  
Maximum Amperage Draw: 45 amp  
Maximum Restart Pressure: 150Psi  
Maximum Air Flow: 160 L/min



P/N: 2780

**SPECIFICATIONS**

Maximum Voltage: 13.8 volt  
Maximum Amperage Draw: 30 amp  
Maximum Restart Pressure: 150Psi  
Maximum Air Flow: 72 L/min



**For Technical Support/Warranty Information please call 310-762-9944**

**Smittybilt, 400 West Artesia Blvd, Compton, CA 90220**



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**Overheating Protection Circuit:**

The unit is equipped with an automatic protection device. In the event the unit reaches an unsafe operating temperature, a protection circuit will cut power to prevent damage to the unit. If the protection circuit activates, immediately disconnect the unit from the power source and allow it to cool.

The unit will cool in approximately 15 minutes, depending on environmental conditions. The protection circuit will automatically reset itself when the temperature returns to a safe operating level.

High altitude and certain air temperatures can negatively affect the unit's performance.

**WARNING:**

READ ALL INSTRUCTIONS before operating product. Failure to follow all instructions below may result in electrical shock, fire and serious injury or death.

Always wear approved safety glasses with side shields when operating. Compressed air and particulate matter can cause eye and soft tissue damage. Keep air stream away from skin and eyes.

**RISK OF BURNS:**

Always wear gloves. Some exposed parts may become hot during use.

**RISK TO BREATHING:** This compressor is not designed for and never should be used as a source of breathable air.

**RISK OF ELECTRICAL SHOCK:** This compressor is for use in dry conditions only.

**RISK OF FALLING:** This compressor will produce vibrations and can "walk". Only operate at ground level.

**RISK OF FIRE:** This compressor will become hot during operation. Allow to cool before storing.

**RISK OF BURSTING:** Use only accessories rated for 120 psi. Always follow tire manufacturer's recommended inflation instructions. In most cases they can be located on the side wall of the tire. If you are unsure, contact the manufacturer.

**DO NOT MODIFY:** Never drill, modify or attempt to repair the compressor. There are no user serviceable parts inside.

**SAFE HANDLING:** Never carry the compressor by the hose or power cord.

**PAY ATTENTION:** Do not leave the compressor running unattended.

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**HARD MOUNTING:**

This compressor may be hard mounted in a dry location. Be sure to use proper size wiring for your application. When using this unit with an air tank, you must install a back-flow preventing device to prevent damage to the cylinder head air valve.

**EXTRA CAUTION:**

Small items will inflate quickly and can easily be damaged. Pay special attention to bicycle tires. They inflate very fast and can rupture. Be prepared to stop the unit quickly when manufacturer's recommended inflation pressure is reached.

**OPERATING WARNING:**

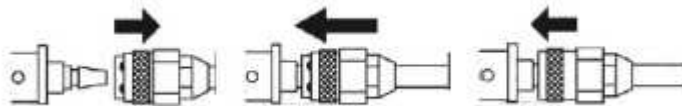
When operating the compressor, be sure to be in a safe location off of the roadway and away from traffic.

Unpack the compressor and inspect for damage. Fully un-wrap the power cord.

Place the compressor on a dry level surface. Attach the air filter to the front of the unit and finger tighten.(2780)

Connect the air supply hose to the compressor using the quick connect fitting.

1. Slide retaining snap ring back.
2. Slide the fittings together firmly.
3. While holding fittings together firmly slide the outer ring forward to lock



Connect the RED power clip to a POSITIVE 12 volt source. Connect the BLACK power clip to a NEGATIVE ground point.

Test the connections by switching the compressor to "on". Air will begin to flow.

Connect the air hose by screwing the brass inflator onto the tire valve stem. Only finger tighten the inflator. Do valve stem.

Watch the gauge closely, switch the unit off or remove the inflator from the tire when the manufacturer's recommended pressure has been achieved.

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### **Air Compressor**

### **Part # 2780, 2781**

We recommend that you use a second tire pressure gauge to verify your tires are inflated to the proper pressure.

Stopping and restarting: at high pressure can overload and blow the in-line fuse (Part #2780). At higher inflation pressures, start the compressor and then attach to the filler to the tire valve stem. If you stop the unit and need to resume inflation, remove the inflator tip from the tire valve, start the unit and reattach with the unit running.

Allow the compressor to cool and place neatly in the carry bag with the clips securely fastened to the loops on the carry bag. To prevent damage to the unit during storage repack in the original styrofoam and color box.

Store the unit in a dry location.

Remember to replace the valve cover on the stem.

#### **Operating Hints**

Turn the compressor on before connecting to the tire in order to reduce stress on the motor.

We recommend an on / off cycle time of 20 minutes rest / off for every 40 minutes of run time

To prevent damage to the air hose fitting, remove the inflator from the tire before disconnecting the hose from the compressor.

#### **Trouble shooting**

If the compressor stops during operation:

1. Check the battery condition. Low voltage can trip the circuit breaker or trigger the protection feature.
2. Check the circuit breaker reset if necessary.
3. The compressor is equipped with an automatic protection device. In the event the unit reaches an unsafe operating temperature, a protection circuit will cut power to prevent damage to the compressor. If the protection circuit activates, immediately disconnect the unit from the power source and allow it to cool.

Resetting Circuit Breaker: (Part #2781)

The circuit breaker is located next to the on / off switch on the top of the rear housing. During normal operation it remains in the down position almost even with the base. In the event of an overload it will pop-up. If this happens, turn the power switch to off, disconnect the air hose and power cord. Push the breaker down to reset and resume operation.

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Limited Warranties

Smittybilt's products are covered under the following limited warranties only. Note that the duration of the limited warranty differs according to the material and finish of the product purchased. Subject to the duration and conditions of the limited warranty stated below, Smittybilt warrants to the original retail purchaser that its products are free from defects in material and workmanship. All other warranties and representations express or implied are hereby disclaimed, including fitness for merchantability and buyer's intended use or purpose. All parts are sold "AS IS" except for the limited warranties granted herein. Buyer assumes all risks as to the selection, suitability and performance of all goods and products selected. This limited warranty does not cover damage or impairment in any part due to misuse, improper installation, accident or contact with on-road or off-road hazards, product modification, improper or inadequate cleaning and/or maintenance. Smittybilt is not responsible for items damaged during shipping. This warranty is not transferable from the original buyer. For the original Buyer to be eligible for the limited warranty coverage, the Buyer must provide proof of purchase. Smittybilt strongly recommends returning the warranty registration card.

Customer's remedy hereunder shall be limited only to repair or replacement (at Smittybilt's option) of any defective part(s) returned to Smittybilt at customer's expense. The determination of whether or not a returned part is defective or subject to coverage under the limited warranties stated herein shall be made at Smittybilt's sole discretion.

**Limited One (1) Year Limited Warranty on Compressors**

Smittybilt compressor products carry the foregoing limited repair or replacement warranty for a period of (1) one-year against workmanship and defects in the material from the date of purchase.

To assure product quality, Smittybilt reserves the right to change product design, material, specification and finishes without prior notice to customers. This limited warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply as to you. Also, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Smittybilt reserves the right to discontinue product lines and substitute products, or provide other remedies than those listed in this limited warranty for those discontinued products.

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