

## INSTALLATION AND LOCATION

### **⚠ CAUTION**

In order to avoid damaging the air compressor, do not allow the unit to be tilted more than 10° from the normal horizontal position when operating.

The compressor must be run with the rubber feet resting on a flat and stable horizontal surface.

The air compressor must be used in a clean and well-ventilated area. The compressor requires an unobstructed airflow and must be located a minimum of 20 inches from any walls or other obstructions that may prevent proper ventilation.

### **⚠ CAUTION**

DO NOT place air compressor in an area:

- Where there is evidence of oil or gas leaks.
- Where flammable gas vapors or materials may be present.
- Where air temperatures fall below 32°F or exceed 104°F.
- Where extremely dirty air or water could be drawn into the air compressor.

### **⚠ WARNING**

**Serious injury or death may occur if electrical sparks from motor and pressure switch come in contact with flammable vapors, combustible dust, gases or other combustible materials. When using the air compressor for spraying paint, place the air compressor as far away from the work area as possible, using extra lengths of air hose to extend the working reach instead of extension cords.**

## GROUNDING INSTRUCTIONS

### **⚠ DANGER**

**Improper installation of the grounding plug can result in a risk of electric shock. If repair or replacement of the cord is necessary, do not connect the grounding wire to either flat blade terminal. The wire with GREEN insulation with or without yellow stripes is the grounding wire.**

**This product is for use on a nominal 120-volt circuit and has a three-prong grounding plug that looks like the plug illustrated in Figure 1. A temporary adapter similar to the adapter illustrated in sketch B (See Page 10) may be used to connect this plug to a 2-pole receptacle as shown in illustration B when a properly grounded outlet is not available. The temporary adapter shall be used only until a prop-**

erly grounded outlet (Illustration A) is installed by a qualified electrician. Tab for grounding screw, lug, or similar part extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.

The use of a GFCI outlet is strongly recommended. The third prong is to be used to ground the tool and provide protection against electrical shock. Never remove the third prong.

Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if in doubt as to whether the 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.

This product should be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric 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.

## EXTENSION CORDS

### CAUTION

**THE USE OF AN EXTENSION CORD WITH THIS PRODUCT IS NOT RECOMMENDED** as this can result in the loss of power to your air compressor which can prevent the motor from starting or running properly. This can also cause your fuse to blow or circuit breaker to trip. Running your air compressor on an undersized extension cord will cause permanent damage to internal switches and overheating of the electric motor or its capacitor. Use an additional length of air hose rather than an extension cord.

If you must use an extension cord, it should be plugged into a **GFCI** found in circuit boxes or protected receptacles. Use only UL listed 3-wire extension cords that have a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the product. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. Refer to the guide on the next page for minimum gauge required for extension cords.

Use only extension cords that are intended for outdoor use. These cords are identified by a marking “**ACCEPTABLE FOR USE WITH OUTDOOR APPLIANCES, STORE INDOORS WHEN NOT IN USE.**” Examine extension cord before use. **DO NOT USE DAMAGED EXTENSION CORDS.** Do not pull on cord to disconnect from receptacle;

always disconnect by pulling on plug. Keep cord away from heat and sharp edges. Always shut OFF the air compressor AUTO/ON pressure switch before unplugging the compressor. Always disconnect the extension cord from the receptacle before disconnecting the product from the extension cord.

| EXTENSION CORD LENGTH | WIRE SIZE (AWG) |
|-----------------------|-----------------|
| Up to 25 Feet         | 12              |
| 26 to 50 Feet         | Do Not Use      |
| 51 to 100 Feet        | Do Not Use      |

**⚠ WARNING** Avoid electrical shock hazard. Never use this compressor with a damaged or worn electrical cord or extension cord. Inspect all electrical cords regularly. Never use in or near water or in any environment where electric shock is possible. To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch the plug with wet hands.

Guard against electrical shock. Avoid body contact with grounded services such as pipes, ovens, stoves, and refrigerator enclosures. If not properly grounded, this air compressor can incur the potential hazard of light trickle shock, particularly when used in damp locations. If electrical shock occurs, there is the potential of secondary hazard such as your hands contacting an operating air tool.

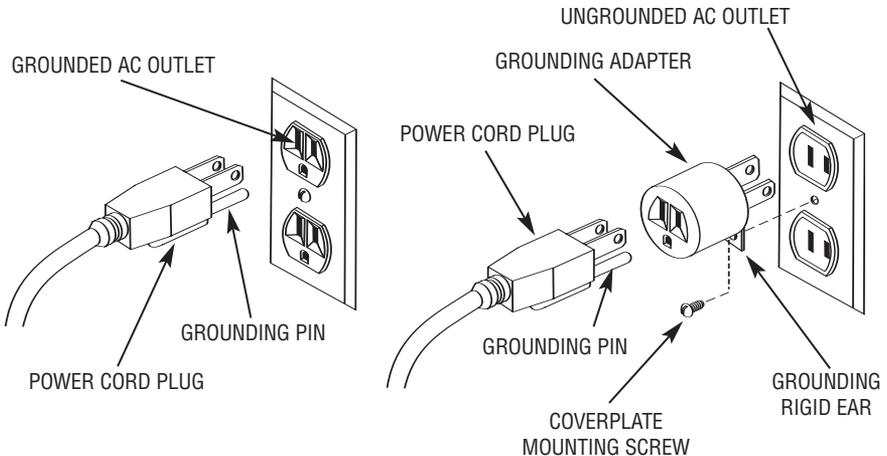
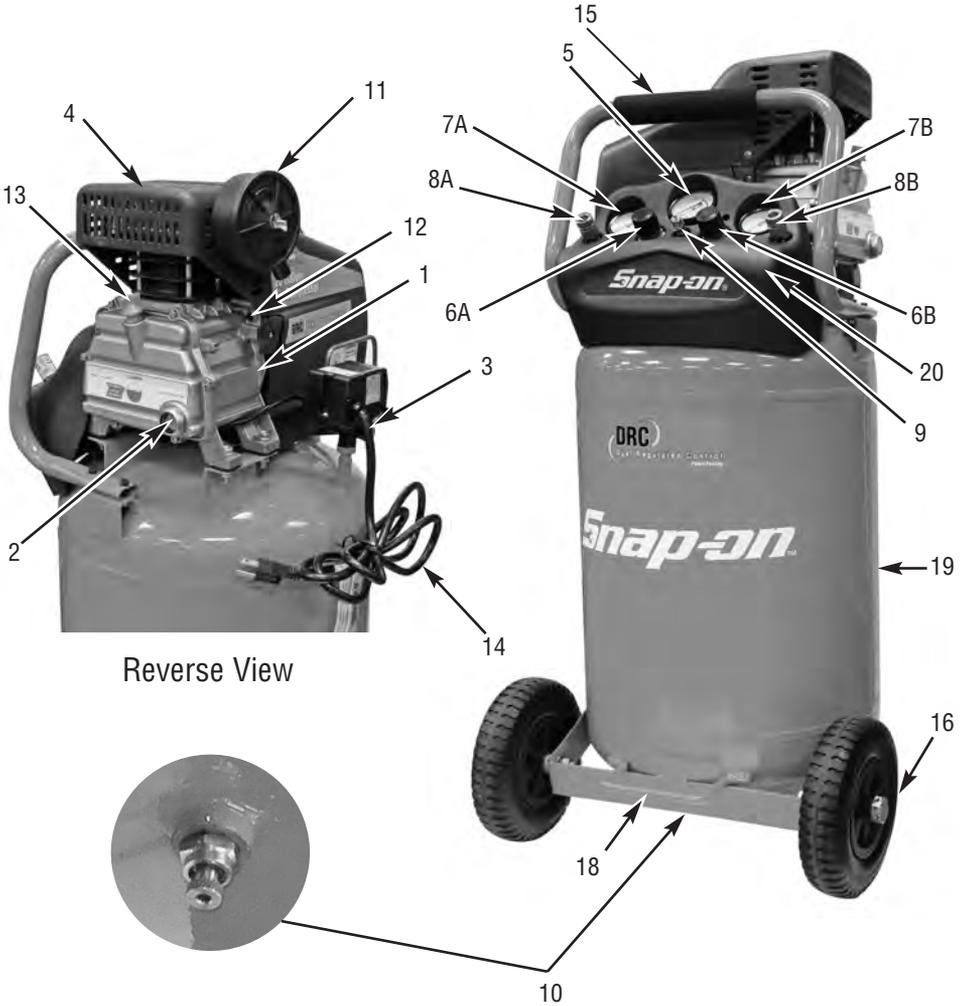


FIGURE 1. CONNECTING THE AIR COMPRESSOR TO THE AC POWER RECEPTACLE

## COMPRESSOR FEATURES



### CONTROLS AND COMPONENTS:

- |                                     |   |
|-------------------------------------|---|
| 1. Air Pump                         | 11. Air Intake Filter                   |
| 2. Oil Fill Sight Glass             | 12. Manual Thermal Overload Switch      |
| 3. Automatic On/Off Pressure Switch | 13. Oil Inlet                           |
| 4. Motor Shroud                     | 14. Power Cord                          |
| 5. Air Tank Pressure Gauge          | 15. Soft Grip Handle                    |
| 6. Pressure Regulator Knobs (A & B) | 16. Rubber Wheels                       |
| 7. Outlet Pressure Gauges (A & B)   | 17. Rubber Legs (not shown)             |
| 8. Air Outlet Ports (A & B)         | 18. Foot Rest                           |
| 9. Safety Relief Valve              | 19. Air Tank                            |
| 10. Air Tank Drain Valve            | 20. Oil Drain Plug (Behind Front Cover) |

## COMPRESSOR FEATURES:

1. **AIR PUMP:** Oil lubricated direct drive pump with cast-iron cylinder for durability.
2. **OIL FILL SIGHT GLASS:** Located on the face of the crankcase, the oil fill sight glass provides a convenient way to check the oil fill level within the pump. The oil level must be checked prior to each use to ensure proper fill level.

### **WARNING**

**Do not operate the compressor without lubricant, or with low lubrication level.** The manufacturer is not responsible for damage caused to the compressor due to operation without proper lubrication.

3. **AUTOMATIC ON/OFF PRESSURE SWITCH:** This compressor is equipped with an automatic on/off pressure switch. The compressor will only run when the switch is in the ON/AUTO position. Once the tank has reached the desired preset pressure (“cut-out” pressure), the pump motor will automatically shut off. While the switch is in the ON/AUTO position, the pump motor will automatically turn back on once the pressure in the tank drops below the minimum preset pressure (“cut-in” pressure).

### **WARNING**

**Do not leave the compressor unattended while the power switch is in the on/auto position.**

4. **MOTOR SHROUD:** Protects motor and user.
5. **AIR TANK PRESSURE GAUGE:** The tank pressure gauge provides a reading of the air pressure inside of the compressor tank.
6. **PRESSURE REGULATORS:** The regulators allow you to select the amount of air pressure that is output through the air hose into tools and accessories. Each regulator allows you to set a pressure setting independent of the other. This allows having separate air settings for different tools/requirements. Turn the pressure regulator knob clockwise to increase discharge pressure, and counter clockwise to decrease discharge pressure. Please refer to the air delivery requirements of your tools for the proper pressure settings.  
**CAUTION:** Be careful not to overtighten pressure regulator knob when it “bottoms out” as this may damage pressure regulator.
7. **OUTLET PRESSURE GAUGES:** The outlet pressure gauges provide a reading of the air pressure at the outlet side of the regulator. This pressure is controlled by the pressure regulator and is always less than or equal to the air tank pressure.
8. **AIR OUTLET PORTS:** These ports feature quick connect couplers that are pre-installed into standard 1/4 in. NPT (F) threads in the pressure manifolds. Use PTFE thread-sealing tape on the threads to make sure you have an airtight connection when replacing quick connect couplers.

9. **SAFETY RELIEF VALVE:** This compressor is equipped with a safety relief valve that is designed to prevent system failures by relieving pressure from the system when the air pressure reaches a predetermined level. The safety relief valve is preset by the manufacturer. **DO NOT** attempt to modify or remove the safety relief valve.
10. **AIR TANK DRAIN VALVE:** Moisture is produced whenever air is compressed. It is critical to drain water from the air tank on this compressor frequently. If unit is used only occasionally, tank should be drained after each use and prior to the next use. To drain the tank, slowly open the tank drain fitting by turning clockwise. Once all moisture has drained out, close the fitting securely.  
**NOTE:** Air tank will not pressurize while drain valve is open.
11. **AIR INTAKE FILTER:** This compressor is equipped with an externally accessible air intake filter that is designed to clean air coming into the pump. The filter element is easily removed for periodic cleaning. Use compressed air to blow loose dirt and debris from the paper filter element and reinstall. Replace paper filter element when necessary.

**NOTE**

A dirty air filter will reduce air compressor performance and can lead to product failure.

12. **MANUAL THERMAL OVERLOAD SWITCH:** The electric motor has a manual thermal overload protector. If the motor overheats for any reason, the thermal overload protector will shut off the motor. Turn pressure switch to the “off” position and wait for unit to cool before pushing the reset button and restarting the compressor. **NOTICE:** This air compressor is designed for household use only and is not intended to operate heavy-duty air tools. If your application’s demands exceed the capacity of this air compressor, a larger air compressor that is matched to your application is recommended. If the unit shuts down again, please call the consumer helpline at 1-866-984-7627 for assistance.
13. **OIL INLET:** Easily accessible for adding oil to the pump.
14. **POWER CORD:** 3-wire with ground for added safety against electrical shock.
15. **HANDLE**
16. **RUBBER WHEELS**
17. **RUBBER LEGS**
18. **FOOT REST**
19. **AIR TANK**
20. **OIL DRAIN PLUG**