

OPERATING THE AIR COMPRESSOR



CAUTION

Do not attach air hose, air tools or other air accessories to the air outlet until break-in procedure has been successfully completed.

INITIAL SETUP / BREAK-IN PROCEDURE

1. Read and understand the entire instruction manual, including all safety warnings before setting up air compressor.
2. Place air compressor on a flat, level surface.
3. Check oil fill level in crankcase and add oil as needed.
4. Turn the pressure regulator knob fully clockwise to open airflow from air outlet port.



CAUTION

Be careful not to overtighten pressure regulator knob when it "bottoms out" as this may damage pressure regulator.

5. Turn the compressor power switch to the OFF position.
6. Plug power cord directly into a properly grounded power source of the correct voltage (see Grounding Instructions on page 9 of this instruction manual).
7. Open (turn clockwise) the tank drain valve to allow air to escape preventing air pressure buildup in the air tank.
8. Turn the compressor ON by moving the switch to the AUTO/ON position and run the air compressor for a period of 20 minutes to break-in the air pump.
9. With the compressor still running, at the end of the 20-minute break-in period, close (turn counterclockwise) the tank drain valve. The air compressor will build air pressure to the maximum preset pressure ("cut-out" pressure) and automatically shut off.
10. Slowly open (turn clockwise) tank drain valve to bleed off air from the air tank. The air compressor will automatically restart once the pressure in the air tank drops below the minimum preset pressure ("cut-in" pressure).
11. Turn the compressor off by moving the switch to the OFF position.
12. Slowly open tank drain valve to release pressure from the system and drain moisture from the air tank. Tilt tank to remove all moisture. Once all the moisture has drained out, close tank drain valve securely.

NOTE: Air tank will not pressurize while drain valve is open.

13. Disconnect the power cord from the power outlet.

NOTE: Make sure the power switch is in the OFF position when connecting or disconnecting power cord from electrical outlet.

14. Your new air compressor is now ready to use.

STARTUP

1. Before each startup, make sure the power switch is in the OFF position.
2. Place air compressor on a flat, level surface.
3. Check oil fill level in crankcase and add oil as needed.
4. Slowly open tank drain valve to release pressure from the system and drain moisture from the air tank. Once all the moisture has drained out, close tank drain valve securely.

NOTE: Air tank will not pressurize while drain valve is open.

5. Turn the pressure regulator knob fully counterclockwise to close airflow from air outlet port.
6. Attach air hose and accessories.

WARNING

Too much air pressure causes a hazardous risk of bursting.

Check the manufacturer's maximum pressure rating for air tools and accessories. The regulator outlet pressure must never exceed the maximum pressure rating.

7. Before connecting the compressor to the grounded outlet, check oil level, check for broken components and accessories, and check for damage to the hose.
8. Plug power cord directly into a properly grounded power source of the correct voltage (see Grounding Instructions on page 9 of this instruction manual).
9. Turn the compressor ON by moving the switch to the AUTO/ON position and allow the tank pressure to build. Once the air pressure reaches the maximum preset pressure ("cut-out" pressure) it will automatically shut off.
10. Slowly turn the pressure regulator knob clockwise to open airflow from air outlet port until desired output pressure is reached. **NOTE:** The air compressor will automatically restart once the pressure in the air tank drops below the minimum preset pressure ("cut-in" pressure).

NOTE

When operating in cold weather (under 45°F) the compressor must be allowed to warm up before use. This can be accomplished by loosening drain valve enough to allow any air to escape the tanks. Start up compressor and allow to run with drain valve open for approximately 3-5 minutes to warm up before closing drain valve and proceeding with use.

SHUTDOWN AND STORAGE

NOTE: NEVER stop the air compressor by unplugging it from the power outlet as this may result in damage to the compressor.

1. Turn the switch to the OFF position
2. Disconnect the power cord from the power outlet. Disconnect the power cord from the power outlet by grabbing the plug (not the cord).
3. Turn the pressure regulator knob fully counterclockwise to close airflow from air outlet port. Check the outlet pressure gauge to ensure that it reads 0 PSI.
4. Remove the air hose and any air accessories.
5. Drain moisture from the air tank by slowly opening the air tank drain valve by turning clockwise. Tilt tank to remove all moisture. Once all the moisture has drained out, close the fitting securely.
6. Allow the compressor to cool down.
7. Wipe the air compressor clean and store it in a clean, dry, and non-freezing location.

MAINTENANCE AND CLEANING

WARNING

Disconnect AIR COMPRESSOR from power source and bleed off all air pressure before attempting any maintenance or repair.

WHEN PERFORMING ANY MAINTENANCE OR SERVICE:

- The air compressor must be turned off.
- Disconnect compressor from the power source.
- Open tank drain to bleed off all air pressure before attempting any maintenance or repair.
- Allow compressor to fully cool before attempting any maintenance or repair.

Check the air compressor frequently for any visible problems and follow maintenance procedures each time the compressor is used.

NOTE

All air compressors contain maintenance parts that require periodic replacement. These used parts, including air filters and used lubricating oil, may contain regulated substances that must be disposed of in accordance with local, state, and federal laws and regulations.

1. Slowly open tank drain valve to release pressure from the system and drain moisture from the air tank. Tilt tank to remove all moisture. Once all the mois-

ture has drained out, close tank drain valve securely.

2. Wipe the compressor clean.

MAINTENANCE CHECKLIST:

Daily:

- Check oil level.
- Drain accumulated liquid from tank.
- Check for oil leaks.
- Check for unusual noise and/or vibrations.
- Check that all fasteners are secure.
- Wipe compressor clean.

Weekly:

- Inspect and clean air filter.
- Clean breather holes on oil fill plug.

Monthly:

- Check for air leaks.⁺
- Check safety relief valve.

+ Apply a solution of soapy water around joints. Look for air bubbles around joints when compressor reaches the pressure cut-out limit and the pump turns off.

SIX MONTHS OR 200 OPERATING HOURS:

The pump oil must be changed after the first 20 hours of operation. Thereafter, change oil every 200 hours of operation or every six months, whichever comes first. In harsh operating conditions, maintenance must be performed more frequently.

OIL CHANGE:

- Change compressor oil. Use only SAE 30 weight non-detergent air compressor oil.
- Replace oil more frequently when used in dusty operating environments.
- Used lubricating oil may contain regulated substances that must be disposed of in accordance with local, state, and federal laws and regulations.

1. The air compressor must be turned OFF.
2. Allow compressor to fully cool before attempting any maintenance or repair.
3. To access the oil drain plug, plastic front cover needs to be removed. Using 5/32 in. hex wrench, remove the 2 hex head screws and remove the front panel.
4. Place a suitable oil drain pan below oil drain plug (see Figure 10).
5. Remove oil fill breather plug to allow air to enter crankcase.
6. Remove oil drain plug.
7. Allow oil to drain completely. Tilt air compressor towards the oil drain to assist draining.
8. Clean and replace oil drain plug.
9. Refill crankcase with SAE 30 weight non-detergent air compressor oil until the oil level reaches the center of the red circle in the oil level sight glass. Be careful not to overfill.

10.Reinstall the oil fill breather plug and plastic front cover.

NOTE: Used oil should be recycled or properly disposed of. Consult your local liquid/solid waste authority for information on proper recycling or disposal.

CHECKING SAFETY RELIEF VALVE:

⚠ WARNING

Safety RELIEF valve must be replaced if it cannot be actuated or it leaks air after the ring is released.

1. The air compressor must be turned OFF.
2. Disconnect compressor from the power source.
3. Open tank drain to bleed off all air pressure before attempting any maintenance or repair.
4. Allow compressor to fully cool before attempting any maintenance or repair.
5. Grasp the wire ring on the safety relief valve.
6. Pull and release the ring a few times to ensure that the plunger moves in and out. Replace the safety relief valve if plunger does not move or is difficult to move.

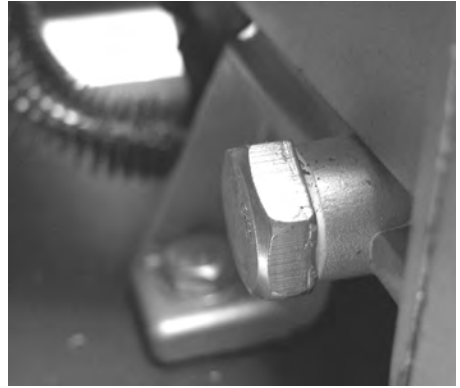


FIGURE 10

CHECKING AIR FILTER ELEMENT:

1. The air compressor must be turned OFF.
2. Disconnect compressor from the power source.
3. Open tank drain to bleed off all air pressure before attempting any maintenance or repair.
4. Allow compressor to fully cool before attempting any maintenance or repair.
5. Remove the face of the filter body to access the filter element by pushing and rotating the front portion of the filter body in a counter clockwise direction to release the locking tabs.
6. Use compressed air to blow loose dirt and debris from the paper filter element. Replace filter element if it cannot be cleaned sufficiently.
7. Reinsert filter element into filter body and reinstall filter faceplate.

MOISTURE IN COMPRESSED AIR

Moisture is a normal by-product of compressing air. As the moisture builds during

compressor use, it can be carried though the air hose. When using paint spray gun or sandblasting gun, the use of a special filter to remove moisture from the air line is highly recommended. Moisture in the compressed air will cause water spots in paint jobs and cause blasting media to clog the sandblasting gun.