



DO THE JOB RIGHT.®

Item #63600

# QST-30/60<sup>®</sup> SCROLL COMPRESSOR INSTRUCTIONS



The **EASTWOOD ELITE QST 30/60® AIR COMPRESSOR** has been engineered and developed using breakthrough Scroll Pump Technology. It operates at lower sound and vibration levels while producing much greater air output with lower power demands than old technology, conventional piston-type air compressors. The unique Scroll pump design also has far fewer moving parts and significantly reduced friction for greater reliability and longer life.

## CONTENTS

(1) Eastwood Elite QST 30/60 Scroll Type Air Compressor

### MOISTURE CATCH SYSTEM HARDWARE

(1) 500ml clear, oil and moisture resistant Bottle

(1) Lid Assembly (includes: Metal Outer Lid, Lid Liner, Gasket, Hardware)

(1) 90° Brass Barbed Fitting

(3) M5x0.80x20 Phillips Round Head Screws with Lock Washers, Washers and Nuts, (1) set installed in Lid Assembly

## SPECIFICATIONS

<b>Power Requirement:</b>	208/240V, 60Hz, Single Phase
<b>Full Load Amps:</b>	17
<b>Motor Horsepower:</b>	4 hp
<b>Tank Size:</b>	26.4 gallon [100 liter]
<b>Tank Fill Time:</b>	3 minutes max.
<b>Air Delivery:</b>	12.7 SCFM @ 90 PSI
<b>Cut-in Pressure:</b>	115 PSI [7.9 bar]
<b>Cut-out Pressure:</b>	145 PSI [10 bar]
<b>Max. Pressure:</b>	145 PSI [10 bar]
<b>Pressure Relief Valve Setting:</b>	160 PSI [11 bar]
<b>Motor and Scroll Pump RPM:</b>	1750
<b>Scroll Pump Oil Capacity (Oil Change):</b>	60 ounces [1.77 liter]
<b>Sound Reading, Running, @ 3.2 ft [1m]:</b>	63 dB +/- 5%*
<b>Power Cord:</b>	6ft, 3-conductor grounded, 10 AWG

## SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

### **⚠ DANGER**

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

### **⚠ WARNING**

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### **⚠ CAUTION**

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### **⚠ NOTICE**

NOTICE is used to address practices not related to personal injury.

# SAFETY INFORMATION



## **⚠️ READ INSTRUCTIONS**

- Thoroughly read and understand these product instructions before using the Compressor.
- Keep these product instructions for future reference.



## **⚠️ WARNING FIRE OR EXPLOSION HAZARD!**

- Never spray flammable liquids in a confined area. It is normal for the motor and pressure switch to produce sparks while operating. If sparks come into contact with vapors from gasoline or other solvents, they may ignite, causing fire or explosion. Always operate the compressor in a well-ventilated area. Do not smoke while spraying. Do not spray where sparks or flame are present. Keep compressor a minimum of 20 feet from spray area.



## **⚠️ WARNING FIRE HAZARD!**

- Never allow the compressor to operate unattended. Always move power switch to the “OFF” position before leaving the work area.



## **⚠️ WARNING ELECTRICAL SHOCK HAZARD!**

- Never use an electric air compressor outdoors when it is raining or on a wet surface, as it may cause an electric shock.
- Compressor must be installed by a licensed electrician.



## **⚠️ WARNING INJURY HAZARD!**

- This unit starts automatically. **ALWAYS** shut the compressor off at the pressure switch, bleed all pressure from the tank, then shut off breaker or disconnect power supply before servicing the compressor, and when the compressor is not in use.
- Never direct high-pressure airstream to exposed flesh.
- This compressor must be located only on a flat, level and secure surface. Do not locate the compressor on an elevated platform, table, bench, roof or other non-secure location.
- Before performing any service, turn Power Switch to the “OFF” position, shut off breaker or disconnect power supply and release pressure from Tank until Gauge indicates 0 PSI.
- The Oil Tank may be under pressure. Opening the Drain Valve or removing the Fill Plug under pressure can cause oil to be blown out at high velocity. Move Power Switch to the “OFF” position. Release pressure from the Tank until Tank Pressure Gauge indicates 0 PSI. Disconnect Compressor from power supply. Always wear appropriate eye protection.



## **⚠️ WARNING BURN HAZARD!**

- **COMPONENTS ARE HOT!** Significant heat is generated during operation. Allow to cool a minimum of 1 hour after last use before servicing to avoid burns.



## **⚠️ WARNING EYE INJURY HAZARD!**

- Air, moisture and debris can be ejected at high velocity while using this equipment. Always wear ANSI Z87 approved eye protection when operating this compressor and associated equipment.

## **⚠️ WARNING HEALTH HAZARD!**

- Air discharged from this compressor is not intended for and should never be used as supply air for human consumption.

# SAFETY INFORMATION



## **⚠ CAUTION BURST HAZARD!**

- Check the manufacturer's maximum pressure rating for air tools and accessories. Compressor outlet pressure must be regulated to never exceed the maximum pressure rating of the tool. Relieve all pressure through the hose before attaching or removing accessories.
- Do not weld, drill or modify the air tank of this compressor. Welding or modifications on the air compressor tank can severely impair tank strength and cause an extremely hazardous condition.
- Do not adjust the Pressure Relief Valve for any reason. The Pressure Relief Valve has been pre-set at the factory for the maximum safe pressure of this unit. Personal injury and/or property damage may result if the relief valve is tampered with.
- Use only hose, pipe and fittings rated for compressed air distribution lines. Do not use plastic or PVC pipes.
- Verify the oil drain valve is completely closed before operation. Failure to close the oil drain valve may result in pressure causing the moisture drain system to burst.



## **⚠ CAUTION**

- To provide proper ventilation for cooling and prevent overheating, the compressor must be kept a minimum of 12 inches (31 cm) from the nearest wall, in a well-ventilated area.

## **⚠ NOTICE**

- The Eastwood Elite QST 30/60 Compressor is mounted on Casters and can vibrate or move slightly during operation. Always lock Casters before running.
- Fluids drained from the Moisture Drain Bottle are hazardous materials and should be disposed of in compliance with local regulations.

# COMPRESSOR SET-UP

## ⚠ NOTICE

Before starting and running the Eastwood Elite QST 30/60, the following brief steps **MUST** be performed:

- Place the Compressor on a level surface.

## STEP 1 – CHECK OIL LEVEL

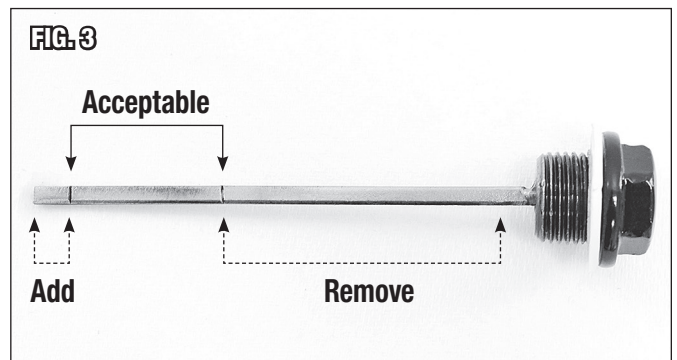
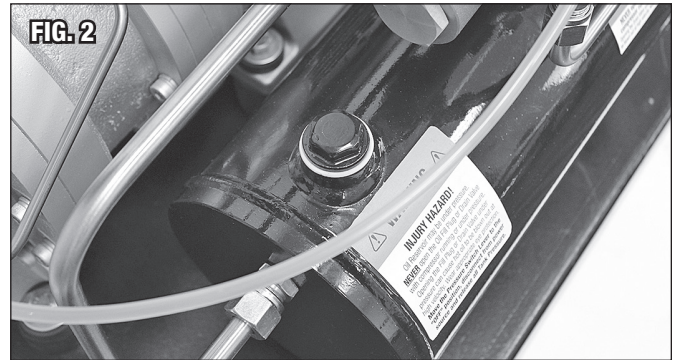
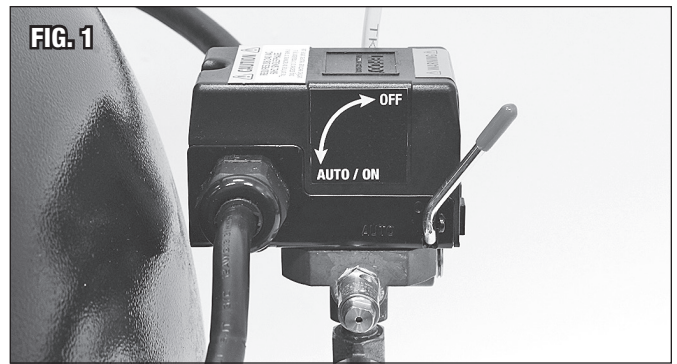
## ⚠ NOTICE

Oil is extremely critical to the operation and performance of the Compressor. The oil must first be checked before any other steps are taken.

## ⚠ WARNING INJURY HAZARD!

The Oil Tank may be under pressure. Opening the Drain Valve or removing the Fill Plug under pressure can cause oil to be blown out at high velocity. Move Power Switch to the “OFF” position. Release pressure from the Tank until Tank Pressure Gauge indicates 0 PSI. Disconnect Compressor from power supply. Always wear appropriate eye protection.

- Move Power Switch to the “OFF” position (FIG 1).
- Release pressure from the Tank until Tank Pressure Gauge indicates 0 PSI.
- Disconnect Compressor from power supply.
- Remove the Oil Fill Plug/Dipstick from the upper front area of the Oil Reservoir (FIG 2).
- NOTE: Do not lose the Oil Fill Plug/Dipstick Seal.
- Check oil level by observing the level on the Dipstick. The oil level is acceptable when it is **BETWEEN** the top mark and bottom mark (FIG 3). If necessary, carefully add or remove oil until the level is **BETWEEN** the marks.
- Check for full closure of the Drain Valve located on the Oil Reservoir (FIG 4).
- If needed, add #31718 Eastwood Synthetic Scroll Compressor Oil to the fill port of the Oil Reservoir using a suitable funnel (FIG 5).
- Check the condition of the Seal then replace Oil Fill Plug/Dipstick and tighten securely.



## STEP 2 – CHECK AIR FILTER

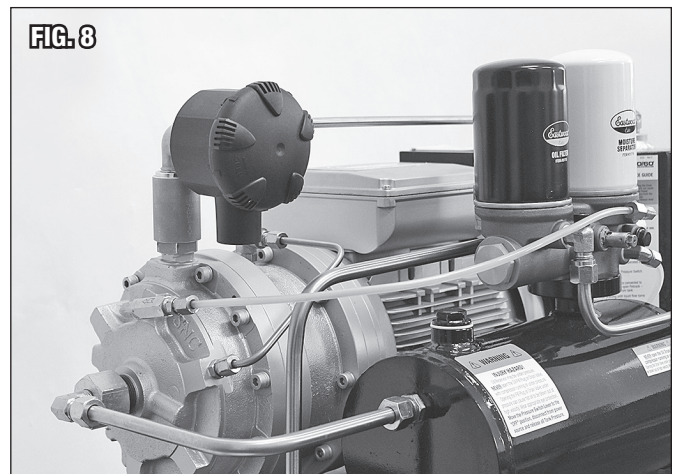
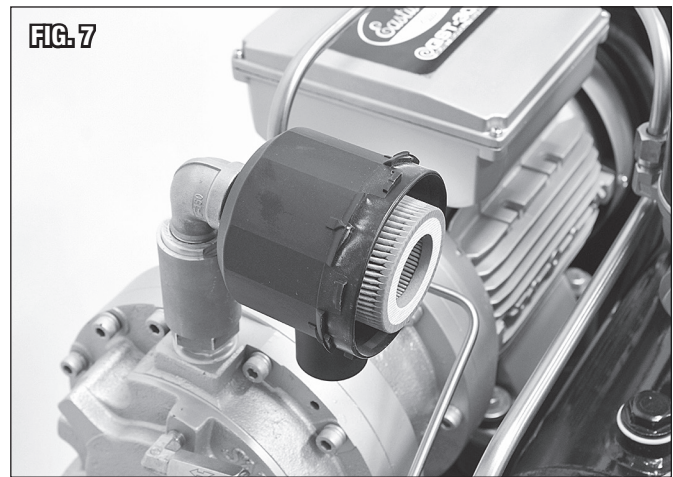
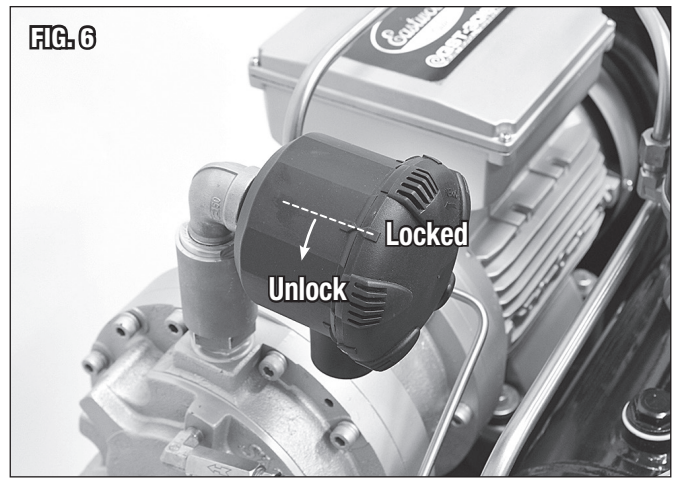
- Remove the Lid from the Air Filter Housing by rotating the Lid counter-clockwise to unlock it (FIG 6).
- Check that the Paper Element is in place (FIG 7), then replace the Air Filter Lid. Note that the snorkel of the Air Cleaner Housing must be pointing downward (FIG 8).

## STEP 3 – ELECTRICAL CONNECTION

### ⚠ NOTICE

Refer to the Compressor nameplate for voltage and amperage requirements. All wiring must be done by a licensed electrician, in accordance with National Electric Code and state and local requirements.

- For best performance, the Compressor must be installed on a dedicated circuit, with a circuit breaker or fuse for protection. Each time the Compressor motor starts, it will momentarily draw several times its full load amperage. It is important to consider this start-up surge when specifying circuit breakers or fuses. If fuses are used, time-delay type must be installed.
- The power supply wiring must be adequately sized to prevent dangerous overheating and low voltage at the Compressor during startup and running. Low voltage will cause difficult starting, overheating, and excessive tripping of circuit breakers. The wire gauge must be increased for longer wire runs to accommodate the increased resistance inherent in longer runs. Refer to the National Electric Code to determine the proper wire gauge for your wire run length. Low voltage can also be caused by low supply voltage from the power company, or from other equipment running on the same line.
- For safety reasons, install a disconnect switch in the line from the electrical panel to the Compressor as close to the Compressor as possible. When the switch is off, all power to the Compressor is disconnected. When the switch is on, the compressor will start and stop automatically as it will be controlled by the pressure switch.



## STEP 4 – MOISTURE DRAIN SYSTEM

The Moisture Drain System is specifically designed to provide enhanced moisture extraction capability for operation in high humidity and extreme use environments.

### Installation

- Use two M5 Phillips Head screws, Lock Washer, Washer and Nuts to secure the Lid Assembly to the pre-installed Mounting Bracket (**FIG 9**).
- Screw the Bottle into the Lid.
- Install the 90° Brass Barbed Fitting to the Lid by threading it into the tapped hole in the center of the Lid (**FIG 10**).
- Slip the oil drain hose over the Brass Barbed Fitting on the Moisture Drain Lid, attaching it securely (**FIG 11**).

## STEP 5 – CHECK RUN PROCEDURE

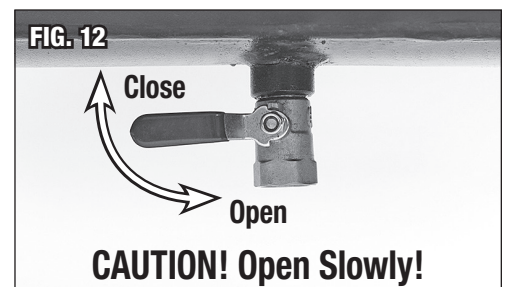
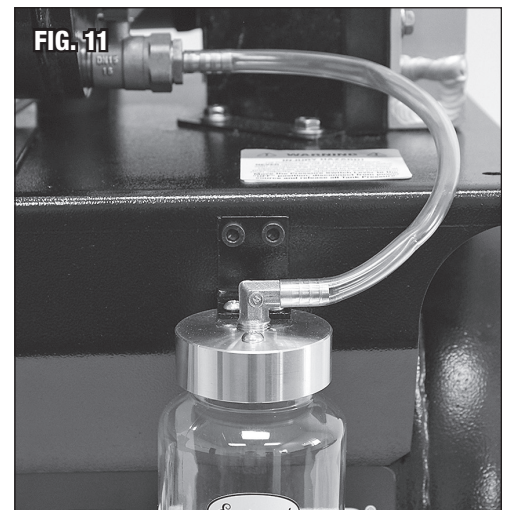
**⚠ WARNING BURN HAZARD!**  
The Scroll Pump generates heat during operation.  
Use caution when servicing to avoid burns.

**⚠ WARNING INJURY HAZARD!**  
Before performing any service, turn Power Switch to the “OFF” position (**FIG 1**). Shut off breaker or disconnect power supply. Release pressure from Tank (**FIG 12**) until Gauge indicates 0 PSI. and allow to cool minimum 1 hour after last use before servicing to avoid burns.

- Close all outlet valves.
- Connect Compressor to power supply.
- Move the Power Switch to the “ON” position (**FIG 1**).
- Allow the Compressor to run until it builds full pressure and automatically shuts off (approx. 3 minutes)
- Move the Power Switch to the “OFF” position.
- Listen for any air leakage and observe the Scroll case, all lines and fittings for any evidence of oil leakage.

**⚠ NOTICE**  
If any air or oil leaks are discovered, call Eastwood Tech at: 1-800-343-9353 or email at [tech@eastwood.com](mailto:tech@eastwood.com)

- If no leaks exist, the Eastwood Elite QST 30/60 Compressor is now ready for use.



# COMPRESSOR LOCATION

## POSITIONING

### ⚠ NOTICE

The Eastwood Elite QST 30/60 Compressor generates heat during operation. Sufficient space must be provided around the unit for cooling air circulation.

- Locate all sides of the Compressor no less than 1 foot [0.3m] away from any wall or closure.
- Maintain at least 2 feet [0.6m] of free space above the unit.
- Locate in a clean dry area away from other equipment which may produce excessive heat or moisture.
- It is important to keep dust and debris from restricting air flow through the compressor oil cooler. Do not operate compressor in a small, enclosed area or under a cover.

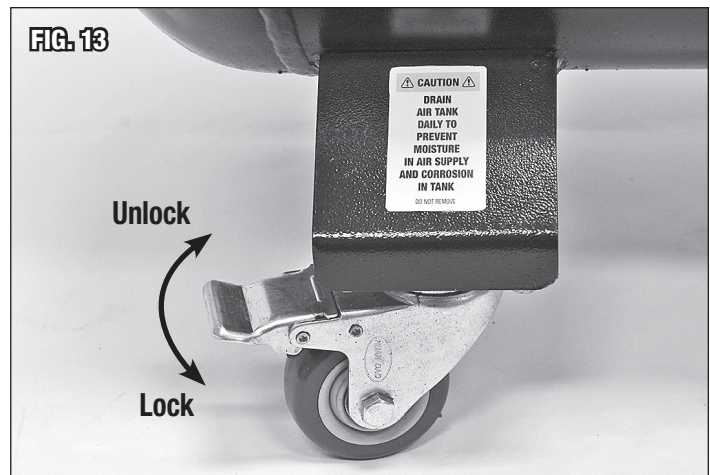
## CASTER LOCKING

### ⚠ NOTICE

The Eastwood Elite QST 30/60 Compressor is mounted on Casters and can vibrate or move slightly during operation. Always lock Casters before running.

#### To Lock:

- Note that both of the Swivel Casters are equipped with brakes. Push down on the Paddles to lock brakes (FIG 13). Lift up on the paddles to release brakes.



# AIR LINE CONNECTION

### ⚠ NOTICE

The Eastwood Elite QST 30/60 Compressor is designed with a high efficiency, 1/2" Ball Valve at the air outlet with 1/2" FNPT threads. It is strongly recommended to use 1/2" or larger air lines and fittings throughout your system. The use of 3/8" or smaller lines is acceptable but will greatly hamper performance.

It is strongly advisable to use a suitable high efficiency Air Regulator and Moisture/Oil Separator in a well-planned air-line layout after the Air Outlet Valve.

# COMPRESSOR OPERATION

### ⚠ NOTICE

Unplug/disconnect from electrical power when not in use.

- Close the Water Drain Valve located at the underside of the Tank (FIG 12).
- Move the Power Switch to the "ON" position (FIG 1).
- Allow the Tank pressure to build to 145 PSI [10 bar] before each use. With the Air Compressor turned on, operation is automatic and under the control of the internal Pressure Controller. It will turn off @ 145 PSI [10 bar] and automatically restart @ 115 PSI [7.9 bar].



# OIL TANK CONDENSATION DRAIN

## Operation

- The Moisture Drain System is designed to provide a means to easily drain excess moisture (water) which builds up in the oil tank. Check for moisture monthly using the following procedure.

**NOTE:** For heavy use in high humidity conditions, it is recommended to drain the oil tank condensation weekly.

- Move Power Switch to the “OFF” position.
- Release pressure from Tank until Tank Pressure Gauge indicates 0 PSI.
- Disconnect Compressor from power supply.
- Allow the unit to sit at least 8 hours without operating. This allows the water sufficient time to settle to the bottom of the oil tank for easy removal.
- Verify the Oil Drain Hose is connected to the Moisture Drain Bottle.

### **⚠ WARNING INJURY HAZARD!**

**Before performing any service, turn Power Switch to the “OFF” position (FIG 1). Shut off breaker or disconnect power supply. Release pressure from Tank until Gauge indicates 0 PSI.**

- Slowly open the Oil Drain Valve and allow any clear liquid (water) to drain.
- As soon as you observe the honey-colored oil coming out, close the drain valve.
- Verify the oil level is still acceptable. Remove the Oil Fill Plug/Dipstick from the upper front area of the Oil Reservoir (**FIG 2**).
- Check oil level by observing the level on the Dipstick. The oil level is acceptable when it is **BETWEEN** the top mark and bottom mark (**FIG 3**).
- If necessary, carefully add or remove oil until the level is **BETWEEN** the marks.
- Inspect the Oil Fill Plug/Dipstick Seal and replace the Oil Fill Plug/Dipstick and tighten securely.
- Check for full closure of the Drain Valve located on the Oil Reservoir (**FIG 4**).
- The compressor may be started and operated as normal.

## Maintenance

- Remove and drain the Bottle when the moisture level approaches 1/2 full.
- Wash Bottle completely with soap and hot water. Dry thoroughly.

### **⚠ NOTICE**

**Fluids drained from the Moisture Drain Bottle are hazardous materials and should be disposed of in compliance with local regulations.**

# AIR TANK CONDENSATION DRAIN

In normal use, particularly in humid environments, moisture will condense and collect in the tank. It must be drained daily to prevent internal tank corrosion and ultimate failure.

## Tank moisture draining procedure:

- Move the Power Switch to the “OFF” position.
- Release pressure from the Tank until the Tank Pressure Gauge indicates 0 PSI.

### **⚠ CAUTION**

**Opening the Drain Valve before releasing pressure from the Tank will cause contaminated water to be blown out at high velocity. Release pressure from the Tank until Tank Pressure Gauge indicates 0 PSI. Always wear appropriate eye protection.**

- Place a suitable container under the Drain Valve.
- **Slowly** open the Drain Valve located on the underside of the Tank (**FIG 12**).
- Close Drain Valve securely when finished.

### **⚠ NOTICE**

**Condensate is a polluting material and should be disposed of in compliance with local regulations. If drain valve becomes clogged, release all air pressure, remove and clean valve, then reinstall.**

# MAINTENANCE

## MONTHLY:

Drain moisture from Oil Tank and Air Tank. For instruction see **OIL TANK CONDENSATION DRAIN** and **AIR TANK CONDENSATION DRAIN**.

## YEARLY:

Perform oil change, Oil Filter replacement, Moisture Separator replacement, and Air Filter replacement.

**NOTE:** For heavy use in high humidity conditions, it is recommended to drain the oil tank condensation weekly.

If operating in excessively dusty or dirty environments, vacuum debris or dust from the oil cooler fins and periodically follow the **AIR FILTER CHANGE** procedure to remove, blow-out and re-install Air Filter Element.

## OIL CHANGE ONLY

### **⚠ WARNING BURN HAZARD!**

Significant heat is generated during operation. Components and oil may be hot. Allow to cool a minimum of 1 hour after last use before servicing to avoid burns.

### **⚠ WARNING INJURY HAZARD!**

Before performing any service, turn Power Switch to the "OFF" position (FIG 1). Shut off breaker or disconnect power supply. Release pressure from Tank until Gauge indicates 0 PSI.

### **⚠ WARNING INJURY HAZARD!**

The Oil Tank may be under pressure. Opening the Oil Drain Valve or removing the Fill Plug under pressure can cause oil to be blown out at high velocity. Move Power Switch to the "OFF" position, release pressure from the Tank until Tank Pressure Gauge indicates 0 PSI, and disconnect Compressor from power supply before opening Drain Valve or removing Fill Plug. Always wear appropriate eye protection.

- Move Power Switch to the "OFF" position (FIG 1). Release pressure from Tank until Tank Pressure Gauge indicates 0 PSI.
- Disconnect Compressor from power supply.
- Remove the drain hose from the Moisture Drain System Barbed Fitting and securely position it above a suitable drain pan, then slowly open the Oil Drain Valve (FIG 4).

**TIP:** It is advisable to place spacers under the opposite side Casters lifting the Compressor slightly on that end to force the maximum amount of oil to drain from the Reservoir into a suitable container (FIG 14).

### **⚠ NOTICE**

Used Oil is a polluting material and should be disposed of in compliance with local regulations.

- After the oil has drained, close the Oil Drain Valve completely then re-connect the drain hose to the Moisture Drain System Barbed Fitting.
- Remove the Oil Fill Plug/Dipstick from the upper front area of the Oil Reservoir (FIG 2).  
**NOTE:** Do not lose the Oil Fill Plug/Dipstick seal.
- Add #31718 Eastwood Synthetic Scroll Compressor Oil to the fill port of the Oil Reservoir using a suitable funnel (FIG 5).
- With the Compressor sitting on a level surface, check oil level by observing the level on the Dipstick. The oil level is acceptable when it is between the marks (FIG 3). If the oil level is below the bottom mark, oil must be added.
- Check the condition of the seal then replace Oil Fill Plug/Dipstick and tighten securely.

# OIL AND FILTER CHANGE

**⚠ WARNING BURN HAZARD!**

Significant heat is generated during operation. Components and oil may be hot. Allow to cool a minimum of 1 hour after last use before servicing to avoid burns.

**⚠ WARNING INJURY HAZARD!**

Before performing any service, turn Power Switch to the "OFF" position (FIG 1). Shut off breaker or disconnect power supply and release pressure from Tank until Gauge indicates 0 PSI.

**⚠ WARNING INJURY HAZARD!**

The Oil Tank may be under pressure. Opening the Oil Drain Valve or removing the Fill Plug under pressure can cause oil to be blown out at high velocity. Move Power Switch to the "OFF" position, release pressure from the Tank until Tank Pressure Gauge indicates 0 PSI, and disconnect Compressor from power supply before opening the Drain Valve or removing Fill Plug. Always wear appropriate eye protection.

- Move Power Switch to the "OFF" position.
- Release pressure from Tank until Tank Pressure Gauge indicates 0 PSI.
- Disconnect Compressor from power supply.
- Remove the drain hose from the Moisture Drain System Barbed Fitting and securely position it above a suitable drain pan, then slowly open the Drain Valve. **TIP:** It is advisable to place spacers under the opposite side Casters lifting the Compressor slightly on that end to force the maximum amount of oil to drain from the Reservoir into a suitable container (FIG 14).

**⚠ NOTICE**

Used Oil is a polluting material and should be disposed of in compliance with local regulations.



- After the oil has drained, close the Oil Drain Valve completely then re-connect the drain hose to the Moisture Drain System Barbed Fitting.
- Remove the Oil Fill Plug/Dipstick from the upper front area of the Oil Reservoir (FIG 2).  
**NOTE:** Do not lose the Oil Fill Plug/Dipstick seal.
- Add #31718 Eastwood Synthetic Scroll Compressor Oil to the fill port of the Oil Reservoir using a suitable funnel (FIG 5).
- With the Compressor sitting on a level surface, check oil level by observing the level on the Dipstick. The oil level is acceptable when it is between the marks (FIG 3). If the oil level is below the bottom mark, oil must be added.
- Check the condition of the seal then replace Oil Fill Plug/Dipstick and tighten securely.
- Remove Oil Filter (Black Canister) from the Filter Manifold.
- Remove Moisture Separator (White Canister) from the Filter Manifold.
- Clean all gasket sealing surfaces thoroughly.

**⚠ NOTICE**

The Oil in this unit is under high pressure and filters **MUST** be tight to prevent leakage. To tighten: Snug down by hand then tighten 3/4 to 1 full turn after initial seal contact.

- Install a new Eastwood #31715 Oil Filter (Black Canister) at the left position of the Filter Manifold (**FIG 15**).
- Install a new Eastwood #31716 Moisture Separator (White Canister) at the right position of the Filter Manifold (**FIG 15**).

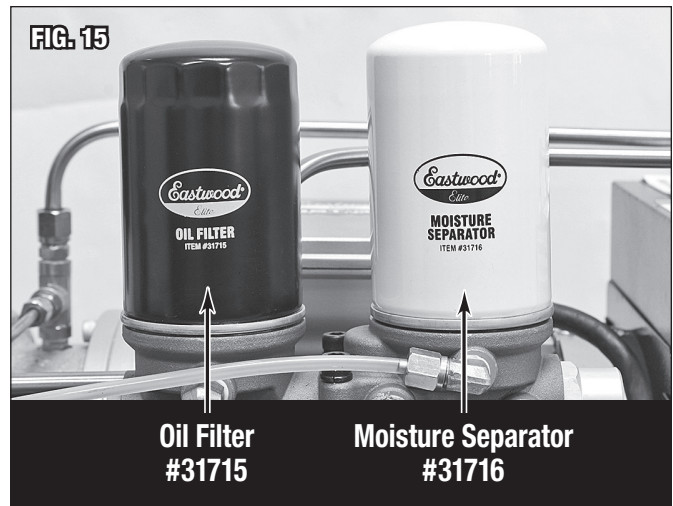
**▲ NOTICE**

**Used Oil is a polluting material and should be disposed of in compliance with local regulations.**

- With the Oil Drain and Air Tank Drain Valves closed, turn the Power Switch back to “ON”, allow full pressure to build until the Pressure Switch automatically shuts the unit off then turn the Power Switch to “OFF”.
- Listen for any air leakage and observe the Scroll case, all lines and fittings for any evidence of oil leakage.

**▲ NOTICE**

**If any air or oil leaks are discovered, call Eastwood Tech at: 1-800-343-9353.**



## AIR FILTER CHANGE

**▲ WARNING BURN HAZARD!**

**Components are Hot! Significant heat is generated during operation. Allow to cool a minimum of 1 hour after last use before servicing to avoid burns.**

**▲ WARNING INJURY HAZARD!**

**Before performing any service, turn Power Switch to the “OFF” position (FIG 1). Shut off breaker or disconnect power supply.**

- Remove the Lid from the Air Filter Housing by rotating the Lid counterclockwise to unlock it (**FIG 6**).
- Remove the Air Filter Element and discard it.
- Replace the Air Filter Element with a new Eastwood #31717 and re-install the Air Filter Housing Lid. Note that the peg of the Air Cleaner Cover must be indexed with one of the 5 recesses around the circumference of the Filter Housing and the snorkel of the Air Cleaner Housing must be pointing downward (**FIG 8**).

# TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
<b>Oil/Water Mist Spraying from Under Pressure Switch</b>	The unit is collecting excess water in the moisture filter #31716 and oil tank which is raising oil level and resulting in oil/water being forced into the white nylon discharge hose going to the unloader valve under the pressure switch.	Refer to <b>OIL TANK CONDENSATION DRAIN</b> for preventing condensation build up by draining it regularly.
<b>Unit Does Not Turn On or Run</b>	No power to unit or defective pressure switch.	Check breaker is not tripped. If breaker is Ok – disconnect unit from power. Check Continuity across switch terminals. A good switch will show continuity across both sets of terminals, if one set of terminals is OPEN switch is bad. Replace pressure switch #32207.
<b>Motor Runs Slow or Hard to Start</b>	Improper Supply Voltage/Circuit.	Assure unit has actual 208/240 on min 30-amp circuit and not 120VAC.
	Defective start and/or run capacitor.	Disconnect unit from power. <ul style="list-style-type: none"> <li>• Remove Motor Electric Box Cover (on top of motor).</li> <li>• Look at both capacitors for leaking oil, black soot, bloated or cracked cases.</li> <li>• If defective- replace capacitors and motor controller.</li> </ul> Replace Start Capacitor #32213. Replace Run Capacitor #32214. Replace Motor Controller #32215.
<b>Air Discharges From Under Pressure Switch When Unit Shuts Off at 145 PSI</b>	The Unloader Valve is located below the Pressure Switch and is in place to relive air pressure from the Scroll Pump and Oil Tank. This discharge will last up to 20 seconds and is necessary to relive air pressure in the Pump before next cycle starts to eliminate starting against a head pressure.	This is normal operation.
<b>Overpressure Relief Valve Opens. Unit Will Not Shut Off.</b>	Pressure Switch is stuck in “ON” position- unit will continue to run even if pressure switch knob is turned to “OFF”. Unit will continue to vent through Overpressure Relief Valve.	Replace Pressure switch #32207.
<b>Motor Makes Loud Metallic Grinding Noise</b>	Motor is defective from either bearing failure, oil starvation or overheating.	Replace the following item: Motor/Pump assembly #32208.
<b>Squeaking/ Chatter Noise at Air Filter When Unit Starts</b>	Aluminum cylinder below air filter housing is the Intake Check valve. The valve seal is making the noise.	It will not harm or hinder performance of unit and will cease after a few cycles.

# TROUBLESHOOTING

PROBLEM	CAUSE	CORRECTION
<b>Unit is Leaking Oil at Fitting(s)</b>	Loose Fitting.	Tightening fitting resolves most issues.
<b>Rust in Water When Draining Tank</b>	Compressors are designed to accumulate moisture in the air tank instead of in your air stream.	We recommend draining air tank weekly to remove moisture. It is not uncommon to have brown/rust colored water in tank as the inside of the tank is bare steel to eliminate any coating delamination. This will ultimately disappear as a film of oil will coat inside of tank during use (see page 9).
<b>Unit Will Not Reach 145 PSI, Shuts Off Early</b>	Defective Pressure gauge.	Replace pressure gauge with known good gauge and retest unit. If gauge is accurate replace Pressure Switch #32207.
	Defective Pressure Switch (On/Off switch).	Replace Pressure Switch #32207.
<b>Sludge in Oil Tank and On Dipstick</b>	Light, intermittent use, operation in warm, damp locations, or during high humidity weather conditions will contribute to the formation of excess condensation in the system.	Drain and replace oil with 2 qts #31718 Eastwood Scroll Compressor Oil. Replace Oil Filter #31715. Replace Moisture Filter #31716. See Monthly Maintenance Guide regarding Moisture Draining of oil tank.



# ADDITIONAL ITEMS

## R&D MUST-HAVE ACCESSORIES

**#31633**  
Complete Filtration System



**#32499**  
Hose Reel



**#31632**  
Blow Gun



Visit [eastwood.com](http://eastwood.com) for complete info and pricing.

## MAINTENANCE & REPAIR PARTS

- #31715** Replacement Eastwood Oil Filter
- #31716** Replacement Eastwood Moisture Separator
- #31718** Eastwood Synthetic Scroll Compressor Oil (1 Quart [0.946 liter])
- #32207** Replacement Pressure Cut-off Switch
- #32213** Replacement Start Capacitor
- #32214** Replacement Run Capacitor
- #32215** Replacement Motor Controller
- #32108** Replacement Motor Assembly
- #33075** Replacement Pressure Safety Release Valve
- #32201** Replacement Pressure Gauge
- #32205** Replacement Air Filter Housing
- #31717** Replacement Air Filter Element
- #32209** Replacement Dipstick Seal
- #31722** Replacement 24" Nylon Hose Kit

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**If you have any questions about the use of this product, please contact**

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: [tech@eastwood.com](mailto:tech@eastwood.com)

PDF version of this manual is available at [eastwood.com](http://eastwood.com)

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