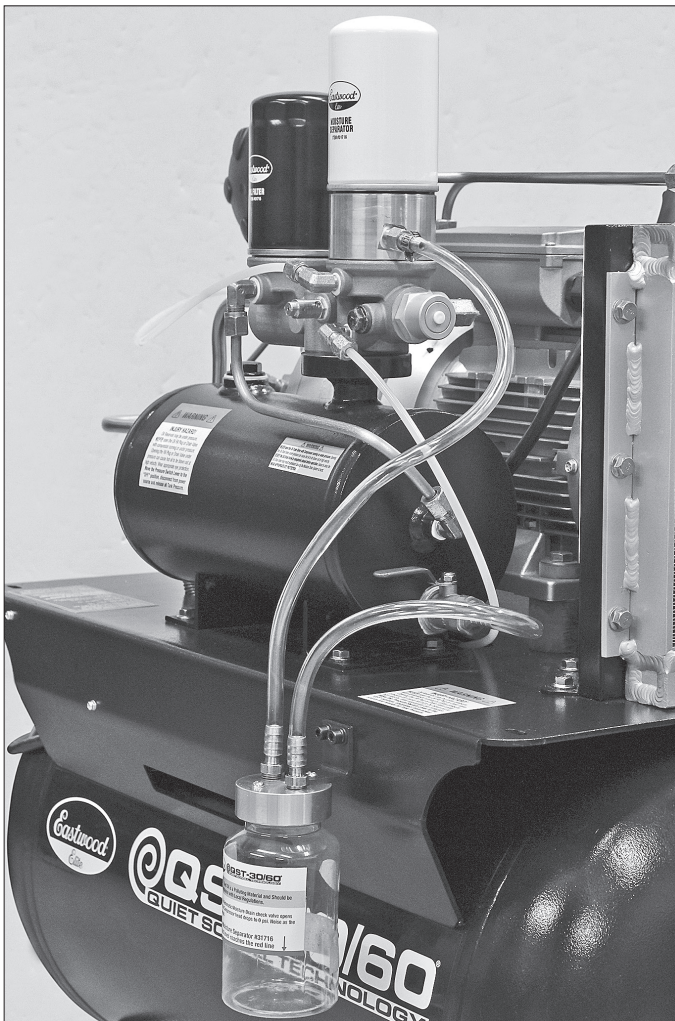


Eastwood
Elite

Item #72105

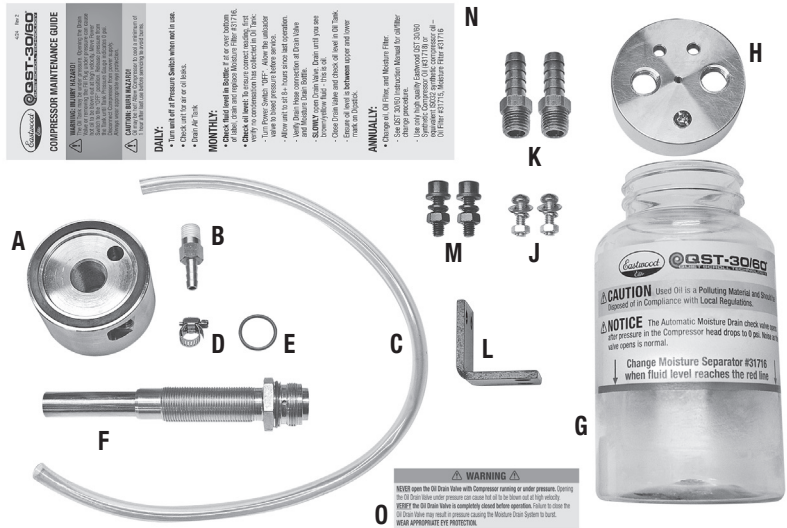
QST 30/60 AUTOMATIC MOISTURE DRAIN KIT INSTRUCTIONS



The **EASTWOOD QST 30/60 AUTOMATIC DRAIN KIT** is specifically designed for use with the Eastwood QST 30/60 Scroll Compressor to provide enhanced moisture extraction capability. This is particularly important for Compressor health in high humidity and heavy use environments. The Automatic Moisture Drain automatically bleeds excess moisture captured by the Moisture Separator when the compressor cycles off. This minimizes moisture accumulation in the Oil Tank. The included Moisture Drain Bottle Kit catches the drained fluids and enables easy oil level checking by catching fluid from the Oil Tank Drain. Use of this kit will extend Compressor life.

CONTENTS

- (1) Eastwood Elite QST 30/60 Automatic Moisture Drain Block with Seal **[A]**
- (1) Check Valve Assembly **[B]**
- (1) 20" Drain Hose **[C]**
- (1) Hose Clamp **[D]**
- (1) O-Ring **[E]**
- (1) Standpipe with O-Ring Installed **[F]**
- (1) Moisture Drain Bottle **[G]**
- (1) Moisture Drain Kit Lid Assembly **[H]**
- (3) M5x20 Phillips Head Screws with Lock Washer, Washers and Nut **[J]**
- (2) Straight Brass Barbed Fittings **[K]**
- (1) Mounting Bracket **[L]**
- (2) M6x20 Socket Head Screws with Nut **[M]**
- (1) Compressor Maintenance Label **[N]**
- (1) Oil Drain Valve Warning Label **[O]**



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

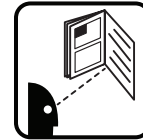
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ 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.



⚠ READ INSTRUCTIONS

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



⚠ WARNING INJURY HAZARD!

- Before performing any service, turn Power Switch to the "OFF" position, disconnect from 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 AND OIL 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 servicing or operating this compressor and associated equipment.



⚠ NOTICE

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

COMPRESSOR PREPARATION

- If your Compressor is an earlier generation with a factory-installed Hood, the use of this kit will necessitate permanent removal for clearance of the hoses and the additional height of the Automatic Moisture Drain.
- Operating the Compressor without a Hood installed is completely acceptable and expedites maintenance. The removal of the Hood will not increase specified noise levels.

MOISTURE DRAIN BOTTLE KIT INSTALLATION

- Use two M5x20 Phillips Head Screws with Lock Washer, Washers and Nut [J] to secure the Mounting Bracket [L] to the Lid (FIG 1).
- Install the Straight Brass Barbed Fittings [K] by threading them into the tapped holes on the Lid (FIG 2).
- Screw the Bottle onto the Lid.
- If your Compressor has a previous Moisture Drain Kit installed, you may reuse the existing holes to mount it. If not, you will need to mark and drill two holes near the Oil Drain Valve to mount the Bracket:
 - Use the holes in the Mounting Bracket to mark the hole locations (FIG 3).
 - Drill two 1/4" holes through the Compressor frame.

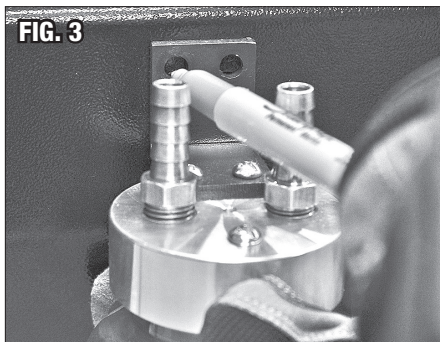


FIG. 1

FIG. 2

FIG. 3

FIG. 4

⚠ WARNING BURST HAZARD!
DO NOT drill into the Compressor Air Tank. This will compromise the strength of the Tank and could result in it bursting, causing personal injury and property damage.

- Use the two M6x20 Socket Head Screw with Nut [M] to attach the Moisture Drain Kit assembly to the frame (FIG 11).
- Slip the existing oil drain hose over one fitting. The Automatic Moisture Drain Hose will go over the other fitting (FIG 11).

AUTOMATIC MOISTURE DRAIN BLOCK INSTALLATION

- Move Power Switch to the "OFF" position.
- Release pressure from Air Tank until Tank Pressure Gauge indicates 0 PSI.
- Disconnect Compressor from power supply.
- Remove Moisture Separator (White Canister) (FIG 4) from the Filter Manifold.
- Remove the factory installed standpipe (FIG 5) from the Filter Manifold. Remove the old O-Ring from the Filter Manifold beneath where the Standpipe threaded in the Filter Manifold (FIG 6). These parts will not be re-used. Clean the area of water/oil before proceeding.
- Carefully install the new O-Ring [E] to the Filter Manifold (FIG 6). Install the new, extended length Standpipe with O-Ring Installed [F] (FIG 7). Use of a blue thread locking compound is recommended. Thread in by hand then carefully snug with a wrench or pair of pliers.

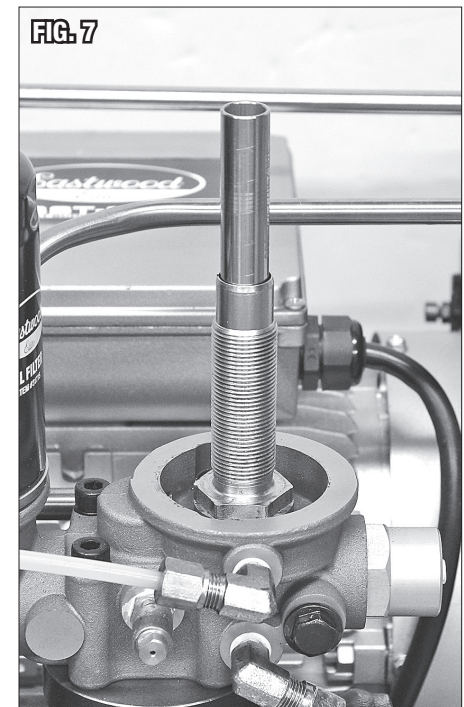
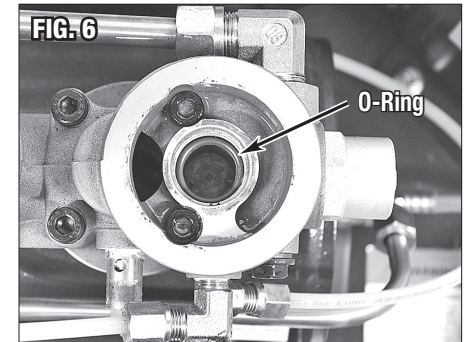
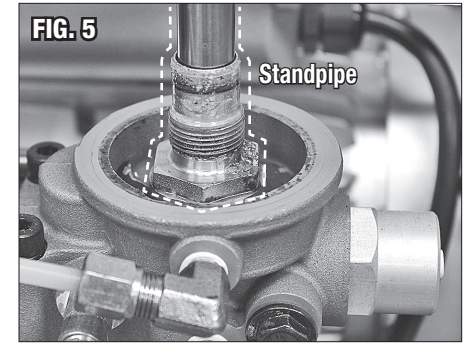


FIG. 5

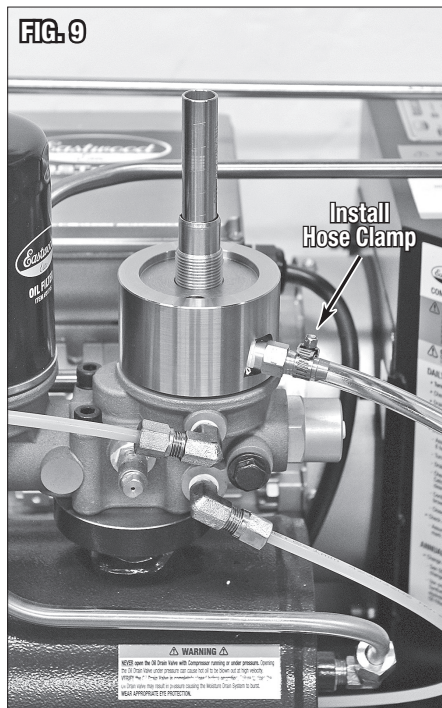
FIG. 6

FIG. 7

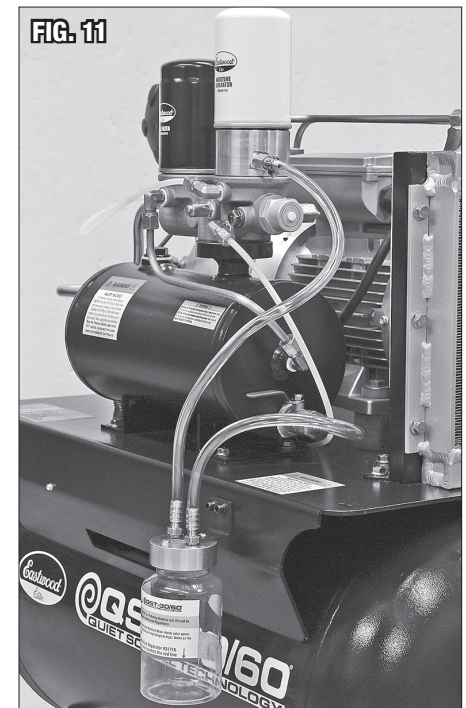
- Lubricate the Seal on the bottom surface of the Moisture Drain Block [A] with a thin layer of oil. With the Seal facing down, thread the Moisture Drain Block onto the Standpipe. Use of a blue thread locking compound is recommended. Tighten by hand until snug with the Drain Block port clocked for easy Check Valve and Hose installation (FIG 8).

TECH TIP: The Drain Block is drilled with 3/8" [10mm] holes to accept a rod if additional leverage is needed for clocking.

- Install the Check Valve Assembly [B], 20" (500mm) Drain Hose [C] and Hose Clamp [D] (FIG 9). Tighten fitting securely to prevent air leaks. Ensure PTFE sealant is adequate. Route the hose to a barbed fitting on the Moisture Drain Bottle (FIG 11).



- Lubricate the Moisture Separator seal with a thin layer of oil then install to the Automatic Drain Block (FIG 10). Snug by hand.
- Start unit and check for air leaks. Switch "OFF" immediately if any air leaks are found.
- Included with this kit is an updated Compressor Maintenance Label [N] with the best practices for Compressor life with the new systems installed. Apply this over the old maintenance label (FIG 4).
- A Warning label (O) is also included in this kit. If the label seen in the lower portion of FIG 9 is not present on your compressor, clean the Oil Tank in that area and apply label as shown (FIG 9).
- The Automatic Moisture Drain Kit is now ready for operation (FIG 11). The check valve opens after the unloader valve vents pressure in the Compressor head to 0 psi. It is normal for the valve to make noise as it opens up.



ADDITIONAL ITEMS

- #31715 Replacement Eastwood Oil Filter
- #31716 Replacement Eastwood Moisture Separator
- #31718 Eastwood Synthetic Scroll Compressor Oil (1 Quart [0.946 liter])
- #31717 Replacement Air Filter Element
- #32209 Replacement Dipstick Seal
- #65382 Replacement Pressure Cut-off Switch

Visit eastwood.com for complete info and pricing.

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

PDF version of this manual is available at eastwood.com

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