

# ***The Colonel***

- INSTALLATION
- OPERATION
- MAINTENANCE

Meyer Machine & Equipment, Inc.  
351 Main Street  
Antioch, Illinois 60002

(800) 728-3828  
(847) 395-2970  
(847) 395-2972 Fax

# The Colonel

## I.O.M. MANUAL

### **Safety :**

- Do not operate this equipment until you have read this manual and fully understand the machine's operation.
- Never operate the vacuum without a hose on the inlet.
- Never operate the vacuum without a hose or bag on the discharge of the fan housing.
- Never place your hands, arms or any body parts near the fan inlet or discharge while the fan is in motion. The fan can cause severe and permanent injuries to body parts.
- Never attempt any maintenance while the fan is rotating.
- Prior to any maintenance, turn the key to the off position and remove the key from the ignition. Then remove the wire from the spark plugs. This will eliminate the possibility of accidental ignition.
- Never touch the positive and negative leads of the battery. This is a 12 volt Direct Current negative ground system.
- Exercise caution when moving your vacuum up and down ramps. This machine weighs in excess of 275 lbs. and can cause injury if moved improperly.
- Do Not touch the muffler. The engine on the vacuum produces an extremely hot exhaust system and can cause severe burns if touched.
- Do Not transport the vacuum without properly securing the vacuum in your vehicle.
- Do Not continue to operate a vacuum that has an out of balance condition. This will be apparent by the machine shaking violently. Operating a machine that is out of balance could result in damage to the machine or injury to the operator.

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### ***Installation :***

Upon receipt of your power vacuum and equipment, double check your packing list against the actual materials received. Note any discrepancies and/or damage to the freight on the trucker's freight bill. Any claims will have to be processed through the freight company and they will require documentation.

Unpack your **Colonel** power vacuum using caution not to damage the machine. Your machine should be fully assembled with the exception of the gas tank. (Limited to CH15 Engines) Locate the packing slip attached to your shipment; check to see that you received everything that is listed.

If you are connecting a filter bag directly to the discharge of the vacuum, position it so that the 11" dia. inlet to the bag is aligned with the discharge of the fan. Using the stainless steel strap clamp provided, mount the bag to the fan housing ( this clamp should be tight). Install the gas tank using the quick couplers provided on the engine gas line and the gas tank. (If applicable)

If you are using a discharge hose to direct the material to a remote location, place your 8" diameter hose over the discharge of the vacuum and tighten strap clamp as described above. To minimize the chance of settling, limit discharge hose runs when possible, and keep discharge hose as straight as possible. Place end of hose into filtered containment area or connect filter bag.

**Warning: The muffler is hot and will cause injury.**

**Note:** Check the oil in the engine prior to starting the engine. See the Kohler Owner's Manual for these instructions.

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### **Operation :**

Prior to operating your Colonel Power vacuum, there are a few necessary points that must be checked.

- Check oil level
- Inlet hose is firmly in place
- Discharge bag/hose is clamped on
- Machine is located in a well ventilated area

**NOTE: Never operate your vacuum without proper inlet and discharge connections.**

Once you have checked the items above, you are ready to proceed with starting the vacuum.

Place the fuel switch to the on position. Place the throttle lever midway between low and high speed, pull the choke out while you initially crank the engine. Crank the engine until it starts, then push the choke in and the engine will begin to run smoothly.

When the vacuum begins to run, arrange the filter bag so air flows through it with ease. Let the engine idle for 2-3 minutes prior to increasing the speed. The vacuum may then be brought up to operating speed.

We define "operating speed" as the speed that is necessary to effectively do the job. If the job is small, then the throttle need not be moved to the maximum setting. On larger jobs you will need to increase the speed to achieve the proper vacuum level. In most conditions the engine should be run at full throttle, as this is how the manufacturer designed it.

When the vacuuming job is done, do not remove the inlet hose or the discharge bag or hose until the vacuum has come to a complete stop and the key is in the off position.

To shut down the vacuum, gradually move the throttle lever to the middle of the speed range, and then turn the key to the off position. This will minimize the possibility of the engine back-firing.

**NOTE: All warranty repairs must go through Meyer Machine & Equipment prior to any service work being done. Work not authorized by Meyer Machine & Equipment will not be covered under warranty.**

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## I.O.M. MANUAL

### **Maintenance :**

Your **Colonel** Power vacuum, as well as the rest of your equipment, will last for many years if you properly maintain the equipment.

The **Colonel** requires the following regular maintenance procedures:

**NOTE: ALWAYS FOLLOW THE SAFETY GUIDELINES AS OUTLINED ON PAGE 1 OF THIS MANUAL.**

**FOR A NEW ENGINE**, change the oil after the first 5 hours of operation. Thereafter, change oil after every 100 hours of operation.

- I. Every day check the oil level by removing and checking the dip stick. Refer to the accompanying Kohler Owner's manual for the proper oil viscosity.
- II. The engine should have the oil and filter (if applicable) changed every 100 hours of operation. Drain the oil from the extended oil drain on the side of the engine opposite the muffler. Then refill the oil reservoir with the oil recommended in the accompanying Kohler Owner's manual.
- III. The bolts on the fan wheel should be checked for tightness every time you change your oil. This requires a 1/2" dia. socket wrench with an extension. Locate the (3) bolts on the bushing inside the fan inlet. Then turn each bolt clockwise until they are tight.
- IV. The air filter on the engine should be checked every 50 hours of operation. To do this, loosen the air cleaner clamp and remove the cover. Remove the air cleaner and take the pre-filter off the pleated air filter. Wash this filter off, allow it to dry and then replace the pre-filter. When you maintain the pre-filter you will not have to replace the main filter as often.
- V. The engine will also require other maintenance as outlined in the accompanying Kohler Owner's Manual.
- VI. The fan wheel should be checked every 1,000 hours or, at a minimum, once per year. Remove the fan wheel and visually inspect it for mechanical integrity. If any aberration is detected, the fan wheel should be replaced immediately.

# Operation and Safety Guide

## MEYER MACHINE & EQUIPMENT

### INSULATION REMOVAL VACUUM

Website: <http://www.meyermachine.com>

Support Phone No. 800-728-3828



#### SAFETY TOPICS:

For more information or a copy of the instruction manual, please visit <https://www.meyermachine.com>



#### SAFETY CHECKLIST:

1. Always place vacuum assembly **OUTDOORS** in a well ventilated area away from walls and overhead cover.

2. Arrange vacuum assembly so that discharge is not directly pointed at a person or object.

**Material discharges from the vacuum fan assembly at a VERY HIGH VELOCITY, being struck by this material WILL cause personal injury or death.**



#### WARNINGS:

**ALL PERSONS WHO PLAN TO OPERATE THIS MACHINERY SHOULD READ, AND UNDERSTAND THE INSTALLATION, OPERATION AND MAINTENANCE MANUAL BEFORE USE.**



**USE SAFETY GLASSES OR GOGGLES, AND DUST MASK WHEN VACUUMING WITH THIS EQUIPMENT.**



VACUUMING LARGE OR HARD MATERIAL WILL DAMAGE THE VACUUM AND ENGINE ASSEMBLY. ANY VACUUM THAT VIBRATES VIOLENTLY MAY HAVE AN OUT OF BALANCE OR DAMAGED FAN WHEEL AND SHOULD NOT CONTINUE TO BE OPERATED. **OPERATION UNDER SUCH CONDITIONS WILL CAUSE FURTHER DAMAGE TO THE VACUUM AND ENGINE ASSEMBLY, AND WILL FURTHER RESULT IN PERSONAL INJURY OR DEATH OF OPERATOR/S AND PERSONS NEAR IT.**



THIS VACUUM ASSEMBLY IS POWERED BY AN INTERNAL COMBUSTION ENGINE THAT PRODUCES CARBON MONOXIDE GASSES. IT IS IMPORTANT TO OPERATE THIS DEVICE, ONLY IN A WELL VENTILATED, OUTDOOR AREA. **FAILURE TO DO SO, WILL RESULT IN PERSONAL INJURY OR DEATH OF OPERATOR/S AND PERSONS NEAR IT.**



THIS VACUUM ASSEMBLY HAS A ROTATING FAN WHEEL. NEVER OPERATE THIS VACUUM ASSEMBLY WITHOUT A VACUUM HOSE ON THE INLET/COVER PLATE, AND A BAG OR HOSE ON THE VACUUM DISCHARGE. NEVER PLACE YOUR HANDS OR ANY PART OF YOUR BODY NEAR THE INLET OR DISCHARGE OF THE VACUUM ASSEMBLY WHILE IT IS RUNNING. **DOING SO WILL RESULT IN PERSONAL INJURY OR DEATH OF OPERATOR/S AND PERSONS NEAR IT.**

#### Tool Application:

The vacuum you are using is designed to handle soft, lightweight debris (loosefill insulation, leaves, sawdust, etc.)

#### Tool Operation:

Step	Action
<b>NOTE:</b>	<b>IMPORTANT!</b> Review safety checklist on the left side of this page!
1	Connect Disposable Filter Bag or Discharge Hose on fan discharge connection using fabric strap clamp
2	Connect Vacuum Hose to Inlet connection using steel strap clamp
3	Check engine fuel level, add fluid if necessary
4	Set Engine Electrical switch to "ON" position (if applicable)
5	Set Engine choke lever to "ON" position for cold starts, if necessary
6	Pull-start engine or use 12 volt key switch (if applicable) <ul style="list-style-type: none"> <li>Allow recoil rope to fully retract between starting attempts</li> <li>Repeat starting attempts as necessary to start engine</li> </ul>
7	Upon engine start-up, adjust choke lever to "OFF" position, allowing engine to run smoothly, if necessary
8	Slowly increase engine throttle lever to full speed, over 10 sec. period
9	Begin vacuuming material - Allow at least 60% air to 40% material ratio. <b>AIR IS NECESSARY, AND THE ONLY MEANS OF MOVING THE MATERIAL THROUGH THE HOSE.</b>
10	<b>Watch disposable bag surface tension</b> - Disposable bags collect material & filter Air. As bag pores fill with fine dust, the bag breathes less efficiently. Tapping the bag with a broomstick or similar device can help to allow bags to breathe better by releasing dust from bag pores. If bag surface tension becomes taught like a balloon and cannot be improved, the bag should be changed immediately.
11	<b>Large material WILL damage the components of the fan and/or vacuum system.</b> Avoid sucking up articles that are larger or harder than a standard tennis ball (wood chunks, rocks, piles of nails & screws, rebar, etc.)
12	<b>Upon filling the disposable bag:</b> <ul style="list-style-type: none"> <li>Turn the engine off by adjusting the throttle and/or turning the electrical switch to the "OFF" position</li> <li>Remove the filled bag from the vacuum discharge using caution not to rip the bag material</li> <li>Install an empty bag if further vacuuming is necessary</li> <li>Repeat engine start-up and vacuuming procedures, as necessary</li> </ul>
13	<b>Upon completion of vacuuming job:</b> <ul style="list-style-type: none"> <li>Be sure to empty all material from vacuum hoses</li> <li>Allow vacuum to run full throttle with disposable bag connected</li> <li>Disconnect hoses from the operator end, one at a time</li> <li>Turn vacuum assembly &amp; engine off before disconnecting the last vacuum hose</li> <li>Shaking hoses can help move settled material down the line</li> <li>Bring engine speed to idle for 30 seconds, then turn engine off</li> <li>After allowing the engine and exhaust to cool, clean any residual material from the vacuum assembly and engine surfaces</li> </ul>
14	<b>When transporting the vacuum:</b> <ul style="list-style-type: none"> <li>Make sure to turn engine electrical switch and fuel switch to "OFF" position (as applicable)</li> <li>Secure the vacuum in your vehicle, keeping the assembly in an UP-RIGHT position</li> </ul>