WARNING: Failure to read and follow these installation instructions and safety precautions could result in personal injury, equipment damage, shortened service life or unsatisfactory equipment performance. All information in this document is vital to the proper installation and operation of the equipment. It is important that all personnel who will be coming in contact with this product thoroughly read and understand this manual.

1. START
   THANK YOU FOR CHOOSING A VIBCO VIBRATOR!

2. MOUNTING INSTRUCTIONS CHECKLIST
   - Determine length of channel iron.
   - Select thickness of mounting plate & method of mounting.
   - STITCH weld mounting plate to channel iron.
   - Determine vibrator placement on charge hopper or chute.
   - STITCH weld channel iron to charge hopper or chute.
   - Place vibrator on mounting plate. Check the mounting plate for warping. Secure firmly.
   - Install safety chain or wire.
   - Connect pneumatics (for turbine or piston) or wiring (for DC unit).
   - FILL OUT WARRANTY CARD!!!!

3. CORRECT MOUNTING COMPONENTS

4. DISCHARGE CHUTE INSTALL
   IDEAL CHANNEL PLACEMENT IS CENTERED ON BOTTOM OF CHUTE.
   OTHER LOCATIONS AS SHOWN WILL ALSO WORK.
   NEVER PLACE VIBRATOR WHERE IT WILL BLOCK DRIVER/OPERATOR'S FIELD OF VISION WHEN CHUTE IS IN UP POSITION

5. CHARGE Hopper INSTALL
   MAKE SURE TO PLACE VIBRATOR 1/4 to 1/3 OF THE WAY UP SLOPE OF THE CHARGE HOPPER FOR BEST VIBRATION RESULTS

6. BOLTING
   Remember, check those bolts!
   Be sure surfaces are smooth, flat & free of any debris.
   Make sure the vibrator is secured tightly. Relighten after the first 10-15 minutes of operation & check them periodically to maintain proper tightness.

7. AIR SPECIFICATIONS
   NOTE: Vibration can be hooked up to truck’s standard air system.

8. PNEUMATIC INSTALLATION
   NOTE: Quick opening values are recommended for pistons

9. RESTRAINT
   CAUTION:
   BE SURE THAT OPERATION OF VIBRATOR DOES NOT COMPLETELY DRAIN AIR CAPACITY AND COMPROMISE OTHER AIR OPERATED SAFETY EQUIPMENT (i.e. brakes) and . . . ALWAYS INSTALL SAFETY CHAIN

*Installation Instructions Checklist*

- Determine length of channel iron.
- Select thickness of mounting plate & method of mounting.
- STITCH weld mounting plate to channel iron.
- Determine vibrator placement on charge hopper or chute.
- STITCH weld channel iron to charge hopper or chute.
- Place vibrator on mounting plate. Check the mounting plate for warping. Secure firmly.
- Install safety chain or wire.
- Connect pneumatics (for turbine or piston) or wiring (for DC unit).
- FILL OUT WARRANTY CARD!!!!

*Correct Mounting Components*

<table>
<thead>
<tr>
<th>WHERE ON THE TRUCK</th>
<th>MOUNTING PLATE</th>
<th>CHANNEL IRON</th>
<th>KIT PART NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charge Hopper</td>
<td>1/4&quot; Plate OPTIONAL</td>
<td>3&quot; Channel 16&quot; minimum length REQUIRED</td>
<td>CHV-25</td>
</tr>
<tr>
<td>Discharge Hopper</td>
<td>1/4&quot; Plate OPTIONAL</td>
<td>3&quot; Channel 16&quot; minimum length REQUIRED</td>
<td>CHV-25</td>
</tr>
</tbody>
</table>

*Discharge Chute Install*

IDEAL CHANNEL PLACEMENT IS CENTERED ON BOTTOM OF CHUTE. OTHER LOCATIONS AS SHOWN WILL ALSO WORK. NEVER PLACE VIBRATOR WHERE IT WILL BLOCK DRIVER/OPERATOR'S FIELD OF VISION WHEN CHUTE IS IN UP POSITION

*Charge Hopper Install*

MAKE SURE TO PLACE VIBRATOR 1/4 to 1/3 OF THE WAY UP SLOPE OF THE CHARGE HOPPER FOR BEST VIBRATION RESULTS

*Bolting*

<table>
<thead>
<tr>
<th>VIBRATOR</th>
<th>GRADE S BOLT SIZE</th>
<th>MAX TORQUE ft-llbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turbine VS-250HS</td>
<td>1/2&quot;</td>
<td>75</td>
</tr>
<tr>
<td>12V ELEC. DC-60</td>
<td>5/16&quot;</td>
<td>25</td>
</tr>
<tr>
<td>PISTON 50-1/4</td>
<td>3/8&quot;</td>
<td>48</td>
</tr>
</tbody>
</table>

Remember, check those bolts!
Be sure surfaces are smooth, flat & free of any debris. Make sure the vibrator is secured tightly. Relighten after the first 10-15 minutes of operation & check them periodically to maintain proper tightness.

*Pneumatic Installation*

TURBINE

PISTON

REQUIRED LUBRICATOR

PNEUMATIC ROCKER SWITCH

NOTE: Quick opening values are recommended for pistons

*Air Specifications*

<table>
<thead>
<tr>
<th>VIBRATOR TYPE &amp; MODEL</th>
<th>MIN AIR HOSE DIA</th>
<th>MIN LUBRICATOR THREAD DIA</th>
<th>CFM</th>
</tr>
</thead>
<tbody>
<tr>
<td>TURBINE</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>4-10</td>
</tr>
<tr>
<td>PISTON Model vs-250HS</td>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>4-10</td>
</tr>
</tbody>
</table>

Operating pressure should be no less than 40 - 50 psi with maximum pressure to 120 psi.

*Restraint*

CAUTION:
BE SURE THAT OPERATION OF VIBRATOR DOES NOT COMPLETELY DRAIN AIR CAPACITY AND COMPROMISE OTHER AIR OPERATED SAFETY EQUIPMENT (i.e. brakes) and . . . ALWAYS INSTALL SAFETY CHAIN
Mount one end to the vibrator and the other to the charge hopper or chute above the vibrator.
NEVER ATTACH CHAIN TO THE MOUNTING PLATE

*Additional Details Available Online at www.vibco.com*

800-633-0032 for Mounting Plates & Brackets, Spare & Replacement Parts and 24/7 Technical Support

908-633-0032 • vibrators@vibco.com • www.vibco.com

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10 12 VOLT DC WIRING

DIAGRAM 1
(BEST/RECOMMENDED)

ON/OFF ROCKER SWITCH MOUNTED IN DASHBOARD OF CAB

MODEL DC-60 VIBRATOR
(rated for continuous duty)

WHITE

BLACK

CHASSIS GROUND

USE MINIMUM 16 GAUGE WIRE

DIAGRAM 2

ON/OFF ROCKER SWITCH MOUNTED IN DASHBOARD OF CAB

MODEL DC-60 VIBRATOR
(rated for continuous duty)

WHITE

BLACK

CHASSIS GROUND

15 AMP IN LINE FUSE

COMPLETE WIRING KITS (PART No. WK-3) AVAILABLE FROM VIBCO

11 TROUBLESHOOTING

TURBINE
The Turbine Won’t Start!
1. Check for dirt in air line OR inlet opening.
2. Check for dirt or debris clogging the exhaust muffler.
3. Double check the size of your air line - is it large enough to give you the cubic feet per minute (CFM) and correct air pressure (minimum required = 40 PSI)?
4. Double check to see if the air line is connected to the correct port.

NOTE: Bearings may require a short “break-in” period to run at optimum VPM stated in catalog.

PISTON
The Piston Won’t Start!
1. Check for dirt in air line.
2. Check to see if there is any lubrication (remember 1 drop per minute per every 10 CFM)
3. Double check the size of your air line - is it large enough to give you the cubic feet per minute (CFM) and correct air pressure (minimum required = 40 PSI)?
4. Did you mount the air regulator far enough away from the quick acting valve for the right amount of air pressure to build up?
5. Is the vibrator mounted horizontally? If so, did you get the model with the spring?

DC ELECTRIC
The DC Electric Won’t Start!
1. Make sure vibrator is getting power. Check fuses and make sure all connections are properly secure.
2. Make sure push button or on/off switch and solenoid are in proper working order. If damage or non functioning, replace.

DC Electric Is Running Slow!
1. Measure motor voltage. If less than 12 volts DC, wire size should be increased.

ADDITIONAL DETAILS AVAILABLE ONLINE AT www.vibco.com

Warranty
All warranty claims must be submitted to VIBCO for approval prior to any repairs being done. Failure to do so will void any and all warranty coverage. All repairs will be done at the VIBCO factory.

Errors, Shortages & Complaints
Complaints concerning goods received or errors should be made at once. Claims must be made within five days after receipt of goods. Clerical errors are subject to correction. Damage during shipping must be reported to the carrier, not VIBCO.

Returning Parts **
Parts should not be returned to VIBCO without prior authorization. Call VIBCO’s customer service department at 800-633-0032 (800-465-9709 in Canada) for a Return Goods Authorization (RGA) number. A return authorization will be emailed or faxed to you. Use this as your packing slip. Return shipping must be prepaid. Material returned may be subject to a 10% restocking fee. All returned shipments should clearly display your name, address and original invoice number to ensure proper credit.

** Orders for custom equipment built to customer’s specifications are not returnable.

Product Changes
VIBCO reserves the right to make changes in pattern, design or materials when deemed necessary, without prior notice or obligation to make corresponding changes in previous models. To be sure of exact mounting dimensions, it is recommended that you obtain a certified dimensional drawing from the factory.

Ordering Spare Parts
Parts can be ordered through authorized distributors or from VIBCO’s Spare Parts Department. The following data should be provided when placing your spare parts order:
From label: Model number of unit.
From spare parts list: Reference number, part number, description & quantity required.
Shipping instructions: Specify shipping point and method of shipping.

For custom mounting applications or any other questions:
800-633-0032 or vibrators@vibco.com

800-633-0032 • vibrators@vibco.com • www.vibco.com

REV168-13