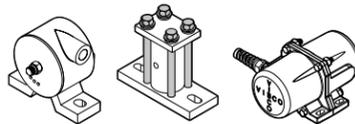




# VIBCO INSTRUCTION MANUAL

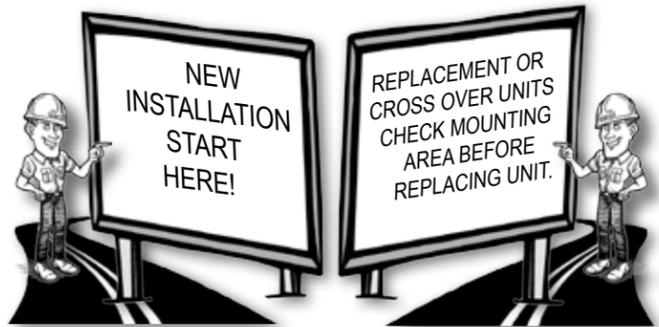


## Vibrators for Chutes & Charge Hoppers

**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!!!!**



**ADDITIONAL DETAILS AVAILABLE ONLINE AT [www.vibco.com](http://www.vibco.com)**

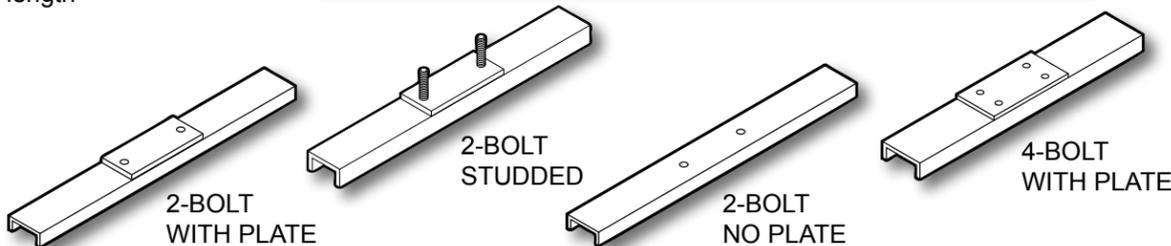
### 3 CORRECT MOUNTING COMPONENTS

WHERE ON THE TRUCK	MOUNTING PLATE	CHANNEL IRON	KIT PART NUMBER
Charge Hopper	1/4" Plate OPTIONAL	3" Channel 16" minimum length REQUIRED	CHV-25 CHV-6 CHV-501
Discharge Hopper	1/4" Plate OPTIONAL	3" Channel 16" minimum length REQUIRED	CHV-25 CHV-6 CHV-501

**NOTE:**  
Kit includes a 30 inch piece of channel standard. Channel can be custom trimmed to fit any chute length



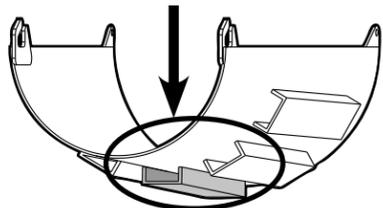
**YOU MUST STITCH WELD! NEVER CONTINUOUSLY WELD.**  
STOP WELDS 1" FROM ENDS TO PREVENT CRACKING.



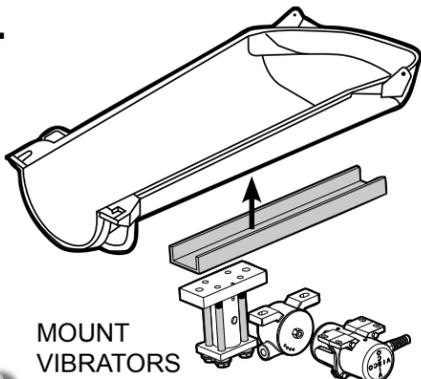
**NEVER PLACE VIBRATOR DIRECTLY ON SKIN OF CHARGE HOPPER OR CHUTE**

### 4 DISCHARGE CHUTE INSTALL

**IDEAL CHANNEL PLACEMENT IS CENTERED ON BOTTOM OF CHUTE.**



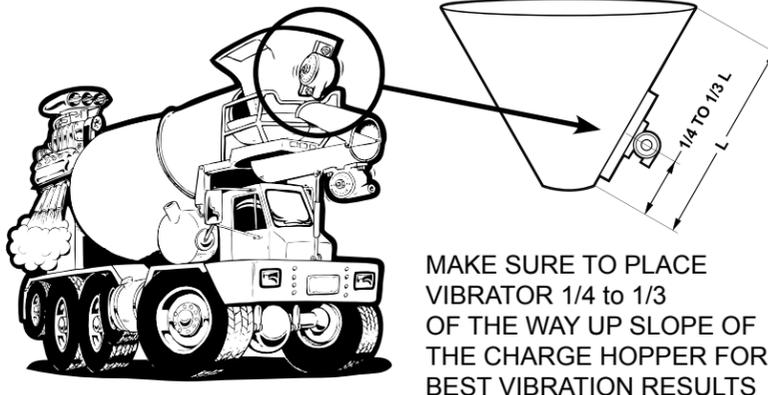
OTHER LOCATIONS AS SHOWN WILL ALSO WORK.



MOUNT VIBRATORS CENTERED ON CHANNEL IN POSITION AS INDICATED HERE

**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

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

### 6 BOLTING

VIBRATOR	GRADE 5 BOLT SIZE	MAX TORQUE ft-lbs
Turbine VS-250HS	1/2"	75
12V ELEC. DC-60	5/16"	25
PISTON 50-1-1/4	3/8"	48



Be sure surfaces are smooth, flat & free of any debris.

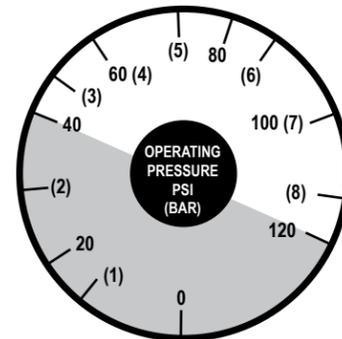
Make sure the vibrator is secured tightly. Retighten after the first 10 -15 minutes of operation & check them periodically to maintain proper tightness.

### 7 AIR SPECIFICATIONS

**NOTE:** Vibrator can be hooked up to truck's standard air system.

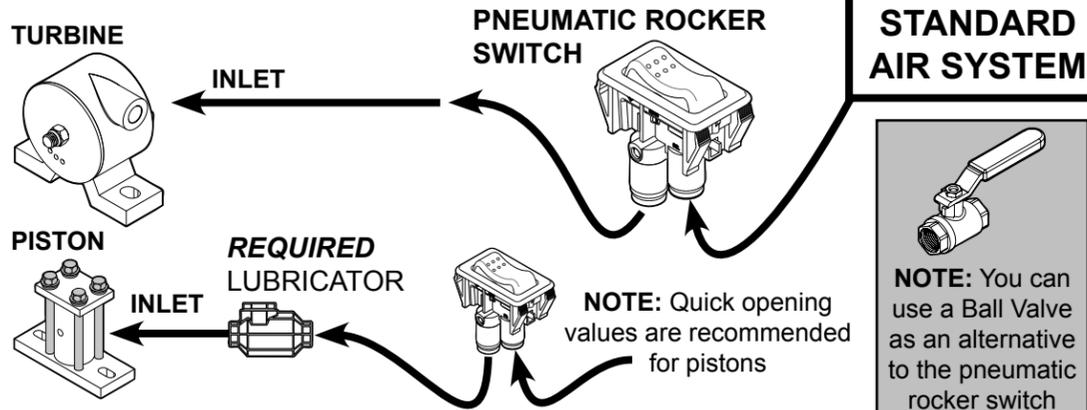
VIBRATOR TYPE & MODEL	MIN AIR HOSE DIA	MIN LUBRICATOR THREAD DIA	CFM
TURBINE Model VS-250HS	1/4"		4-10
PISTON Model 50-1-1/4	1/4"	1/4"	4-10

**NOTE:** Minimum operating air pressure required is 40 PSI



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

### 8 PNEUMATIC INSTALLATION



### 9 RESTRAINT

**CAUTION:**

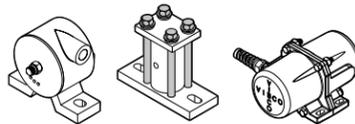
BE SURE THAT OPERATION OF VIBRATOR DOES NOT COMPLETELY DRAIN AIR CAPACITY AND COMPROMISE OTHER AIR OPERATED SAFETY EQUIPMENT (i.e. brakes) and . . . **ALWAYS INSTALL SAFETY CHAIN**

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**



# VIBCO INSTRUCTION MANUAL



## Vibrators for Chutes & Charge Hoppers

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### 10 12 VOLT DC WIRING

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

DIAGRAM 1  
(BEST/RECOMMENDED)

USE **MINIMUM 16 GAUGE WIRE**

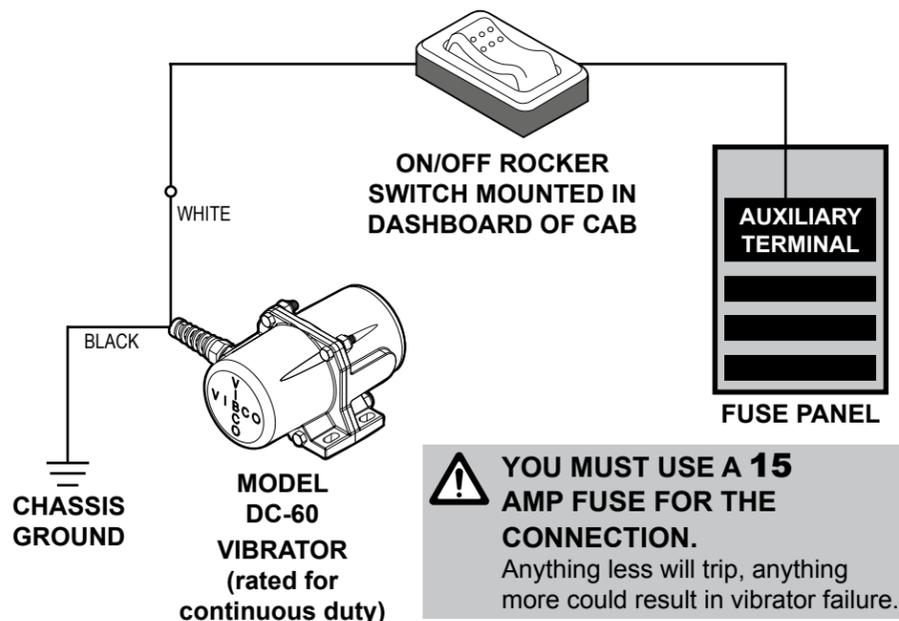
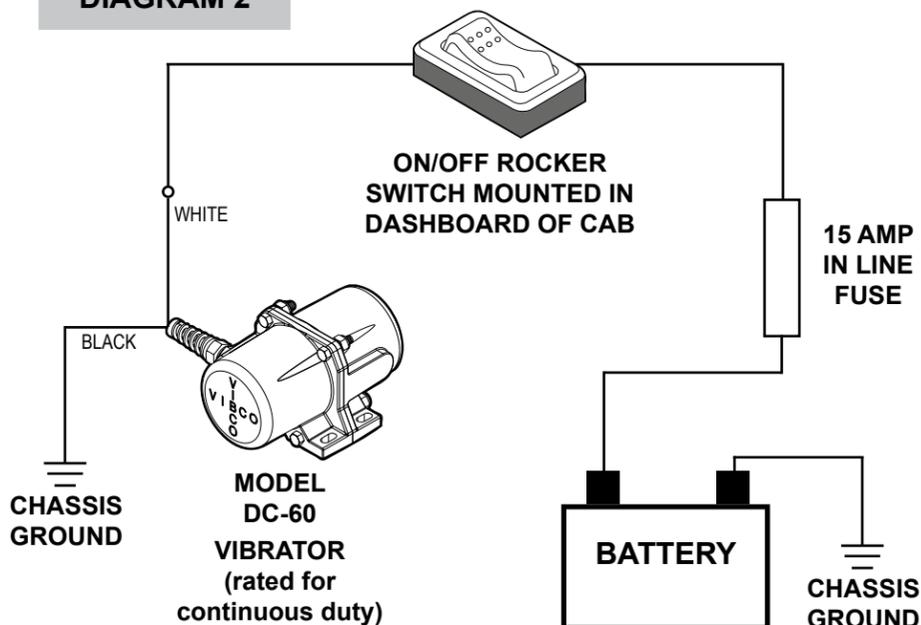


DIAGRAM 2



### 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](http://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](mailto:vibrators@vibco.com)**

