

Vibrating Riddles

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SPEED RIDDLE GYRATORY FOUNDRY RIDDLE

VR-240 With 24" Basket

Specifications: VR-240

- Motor: 1/2 HP, 1725 RPM, 120/240 volt, single phase, 60 hz, TEFC, ball bearing with overload relay protection. or 1/2 HP, 1725 RPM, 240/480 volt, poly phase, 60 hz, TEFC, ball bearing with overload relay protection.
- Speed Reducer: Totally enclosed, oil-filled gear box, with heat-treated gears on ball bearing mounted shaft. Drive shaft speed-287 RPM.
- Toggle switch control is mounted on riddle frame.
- Starter with overload protection in wall-mounted control enclosure. (240-480 volt, 3 phase)
- Heavy duty cord is only provided on 115 volt riddles.
- Sieve diameter: 24 inches (60.5 cm)
- Overall height: 56 in. (142 cm)
- Shipping weight: 160 lbs. (72.5 K)

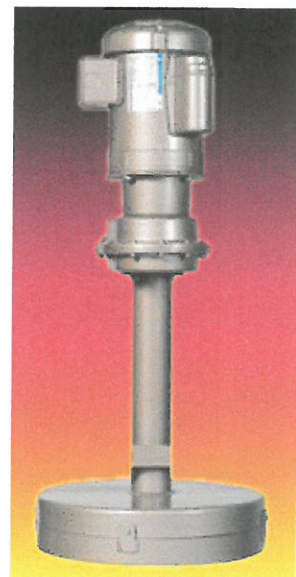
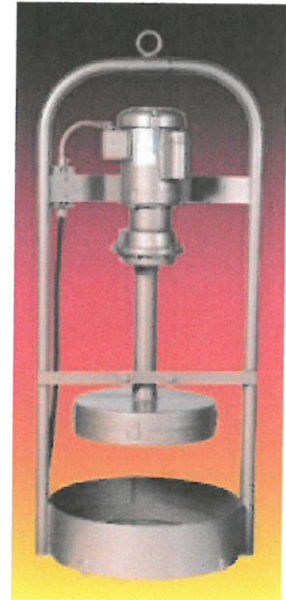
MODEL VR-240

For a machine that screens, mixes, aerates, and cleans molding sand, that will riddle either water or petroleum bonded sand, that can out-riddle ten men, that can be counted on for years of continuous service, look into the remarkable **vibrating sand riddle**.

Rugged overall construction. Frame of rigid tubular steel – inert gas welded. Rolled steel rims. Sieve screens of extra-heavy, galvanized, woven wire mesh.

Easy to operate. Positive cam-lock design permits rapid interchange of screens, to handle coarse, medium, or fine material.

Low-maintenance, long-life engineering. Assemblies are enclosed, which gives built-in protection from dust and dirt, to drive shaft, eccentrics, and universal joints. In addition, gear box has oversized bearings and a heat-treated alloy steel drive shaft for extra-long life.

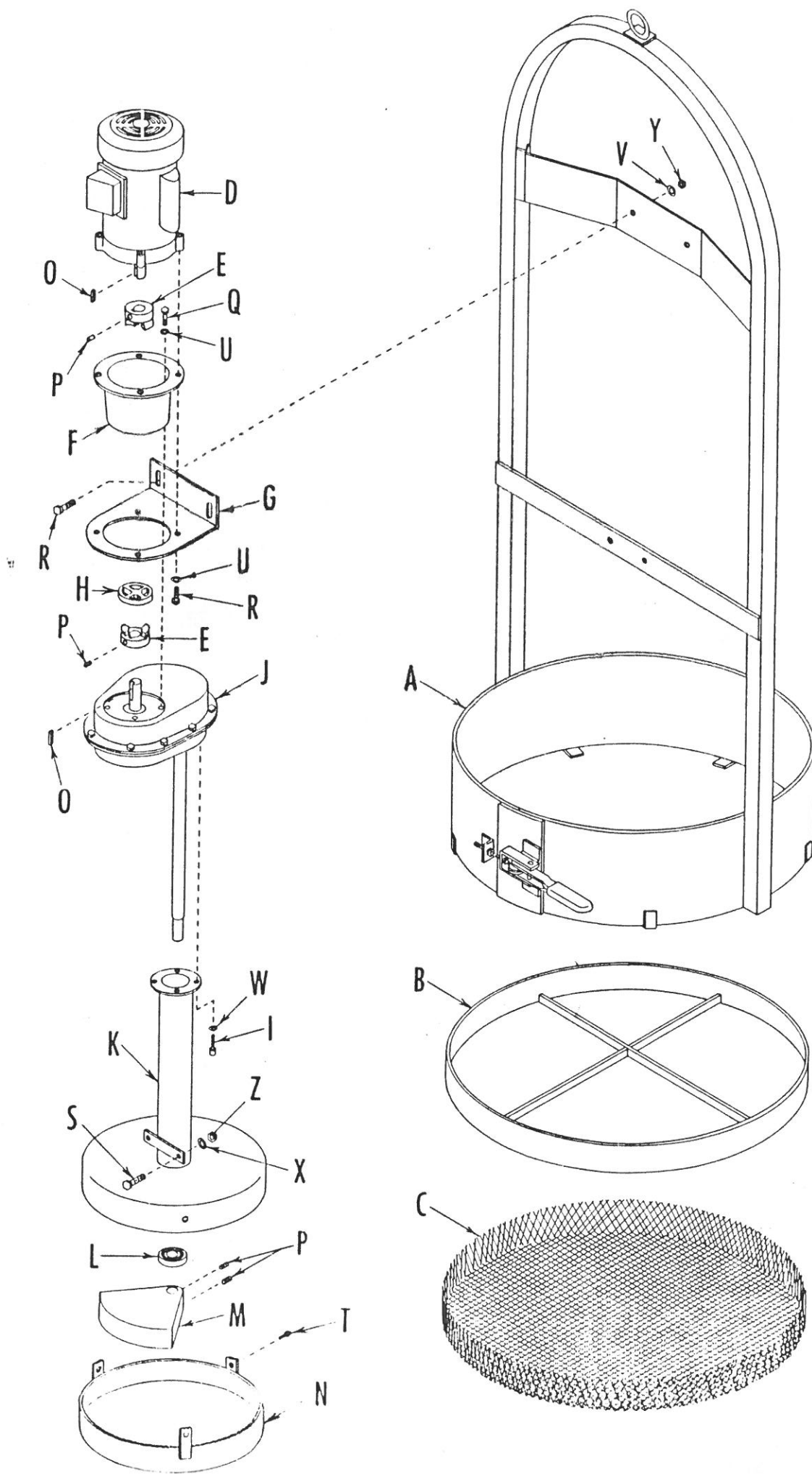


DRIVE UNIT FOR SPEED RIDDLE

VR240 Gyratory Foundry Riddle Parts List

06/2017

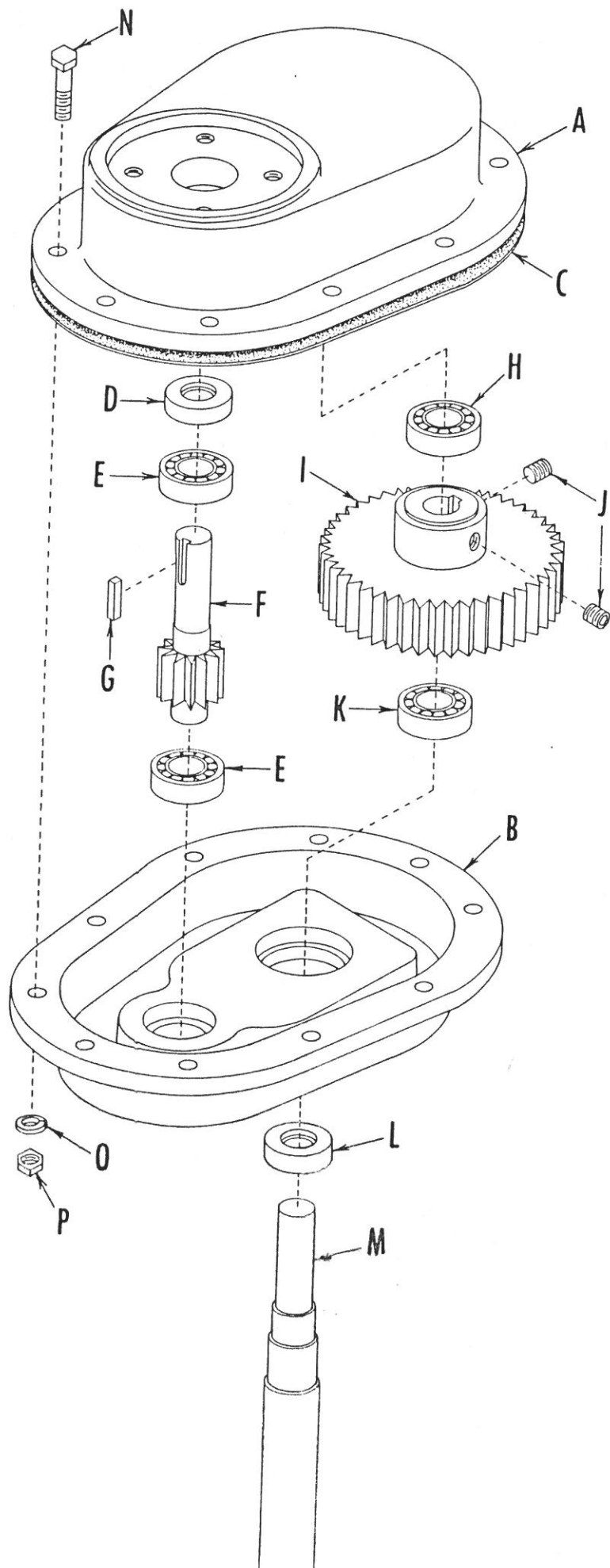
Part No.	Description	Qty
A 031784	Frame Assembly	1
B 031781	Inner Ring Assembly	1
C 031685	#3 Mesh Galvanized Screen	1
031684	#2 Mesh Galvanized Screen	
031686	#4 Mesh Galvanized Screen	
031687	#5 Mesh Galvanized Screen	
031688	#6 Mesh Galvanized Screen	
031689	#8 Mesh Galvanized Screen	
D 004116	½ HP, 1800 rpm 115/230v, 1ph motor	1
Or		
004119	½ HP, 1800 rpm, 230/460v, 3ph motor	1
E 040052	Universal joint (includes 2 halves "E" and center "H")	1
F 040051	Motor Adaptor	1
G 030710	Motor Mounting Bracket	1
H 040056	Universal Joint, Center (included in "E")	1
I 000902	5/16" x ¾" FHSCS Machine Screw	4
J 030726	Drive Unit Assembly	1
K 030727	Drive Shaft Housing Assembly	1
L 040251	Drive Shaft Upper Bearing	1
M 030728	Weight Assembly	1
N 030729	Lower Weight Guard Assembly	1
O 040053	3/16" Square x ¾" Key	2
P 001500	½-13 x 1" Sq Hd Bolt	2
Q 001205	3/8" x 1" Hex Hd Bolt	4
R 001206	3/8" x 1 ¼" Hex Hd Bolt	6
S 001504	½" x 1 1/4" Hex Hd Bolt	2
T 000702	¼" x 5/8" Machine Screw	3
U 002122	3/8" Lock Washer	8
V 002121	3/8" Flat Washer	2
W 002116	5/16" Lock Washer	4
X 002131	½" Flat Washer	2
Y 002015	3/8" Hex Nut	2
Z 002022	½" Hex Nut	2



VR240 Gytratory Foundry Riddle Drive Unit Parts List

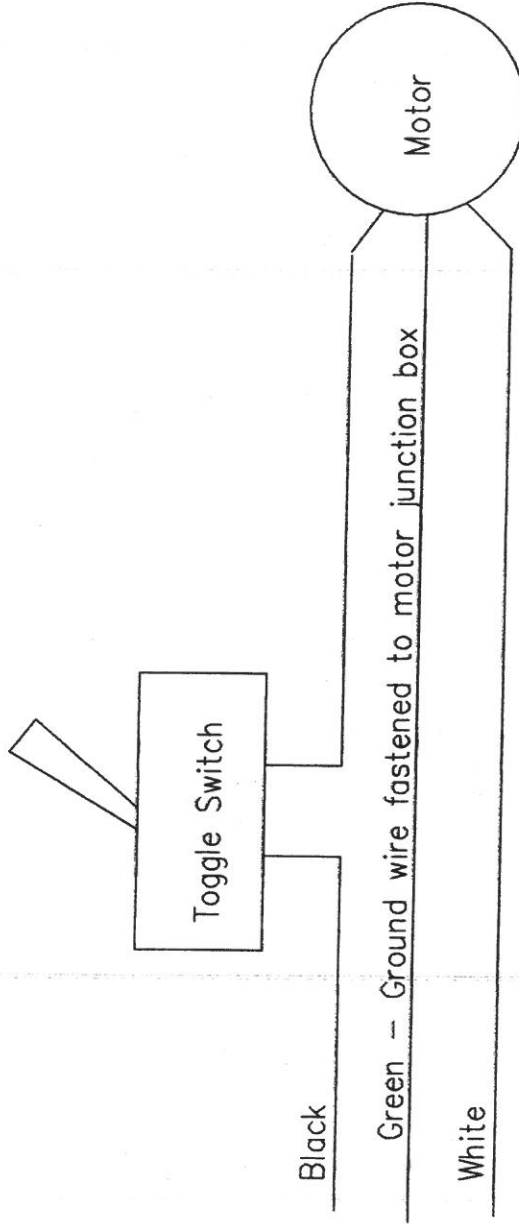
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Part No.	Description	Qty
A 030705	Upper Gear Box Half	1
B 030706	Lower Gear Box Half	1
C 030741	Gear Box Gasket	2
D 004294	Drive Pinion Seal	1
E 040065	Drive Pinion Bearings	2
F 040064	Pinion Gear	1
G 040053	3/16" Square x 1" Key	1
H 030724	Lower Drive Shaft Bearing	1
I 040067	Spur Gear	1
J 001053	5/16" x 3/8" Set Screw	2
K 040071	Drive Shaft Middle Bearing	1
L 004295	Drive Shaft Seal	1
M 030709	Drive Shaft	1
N 000708	1/4" x 1" Hex Hd Bolts	10
O 002112	1/4" Lock Washer	10
P 002008	1/4" Hex Nut	10



VR 200 Vibrating Riddle
VR 240 Vibrating Riddle

120 V 1 Ph. 60 HZ



Plug cord into
fused outlet.

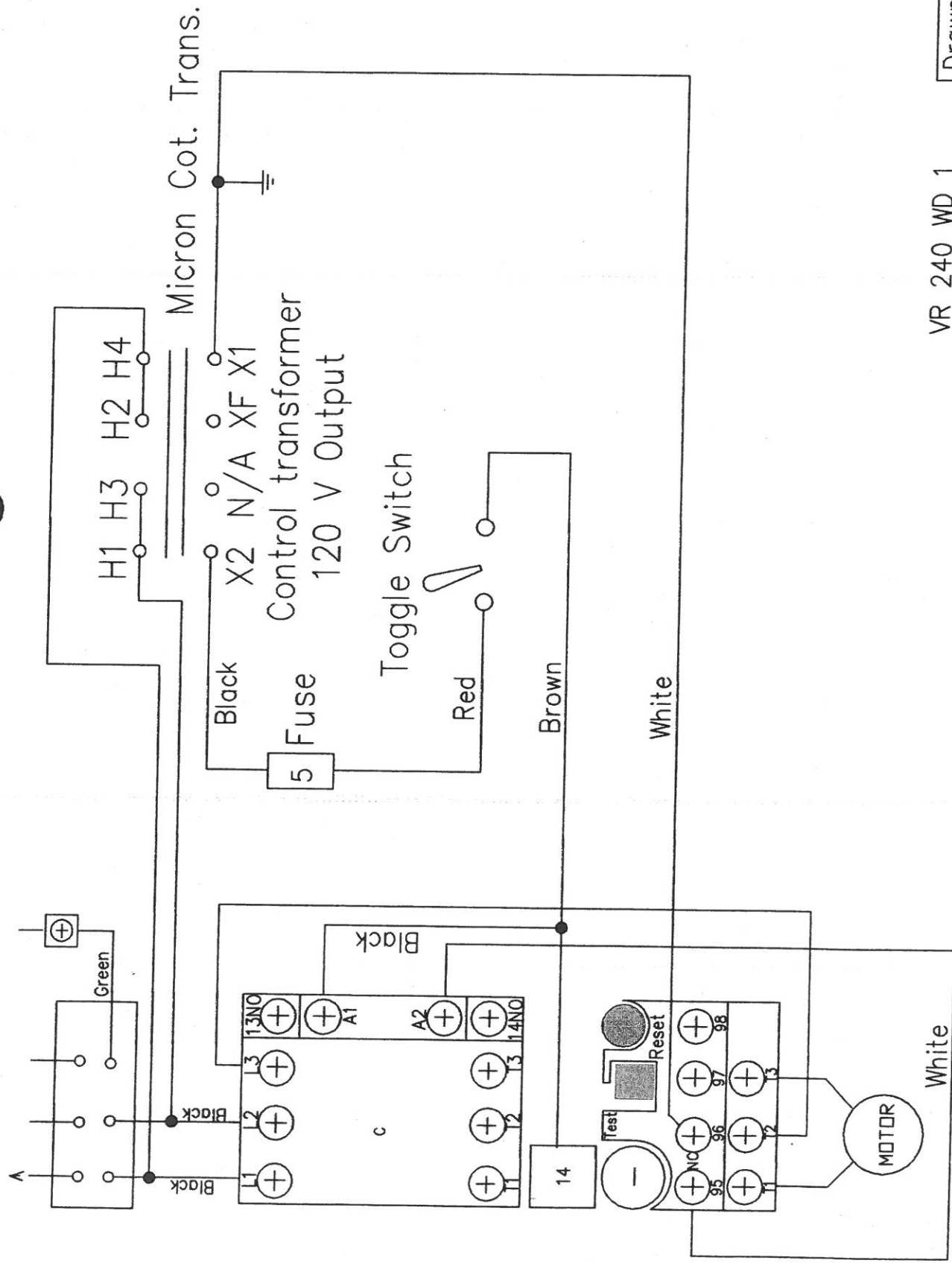
Drawn By Bill Walter
VR 200 & VR 240 Power Riddle

Mat.

M I F C O

Vibrating Riddle VR 240

220 V, 1 Ph, 60 Hz



VR 240 WD 1

Drawn By Bill Walter

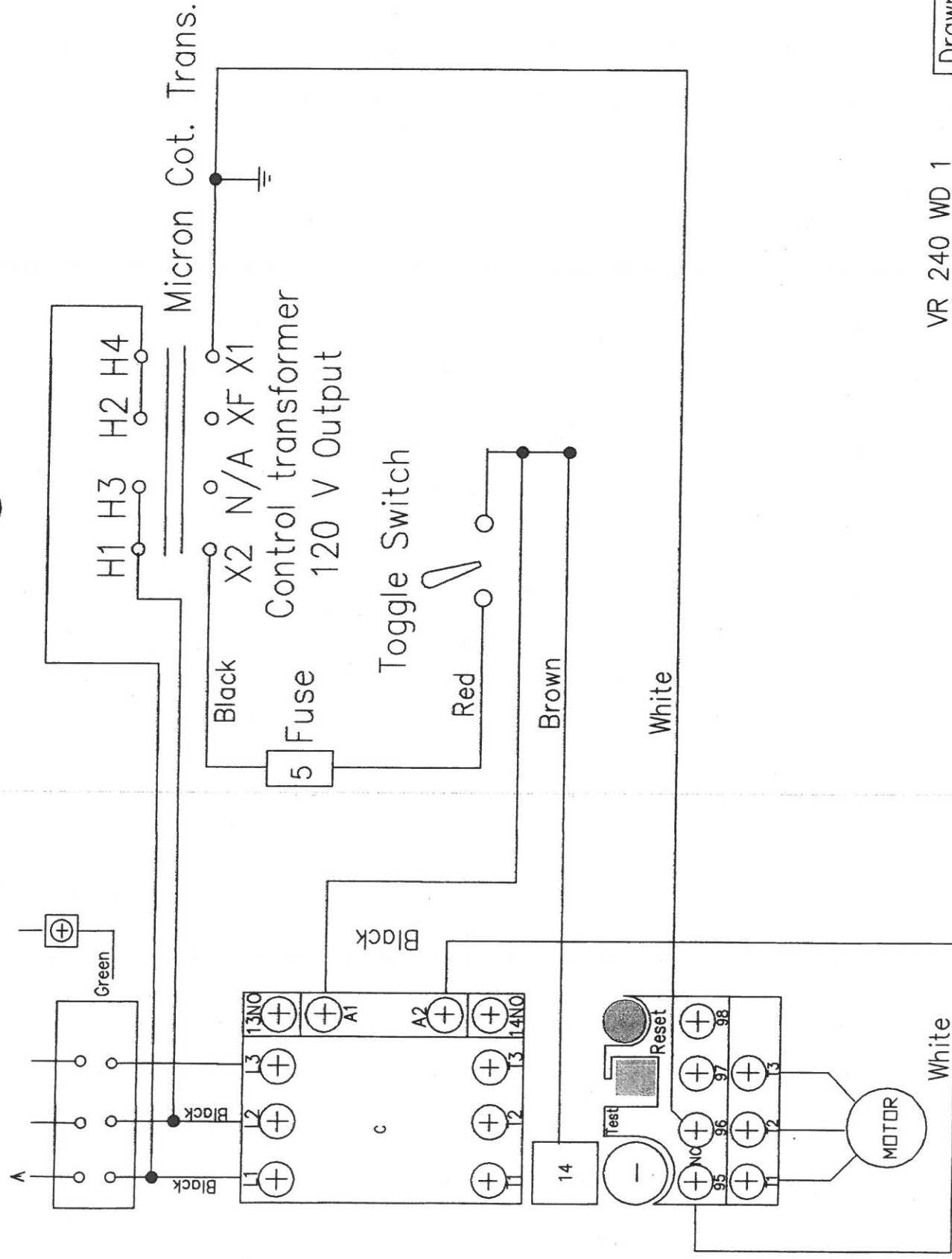
Vibrating Riddle VR 240

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5/13/2009

Vibrating Riddle VR 240

220 V, 3 Ph, 60 Hz



VR 240 WD 1

Drawn By Bill Walter

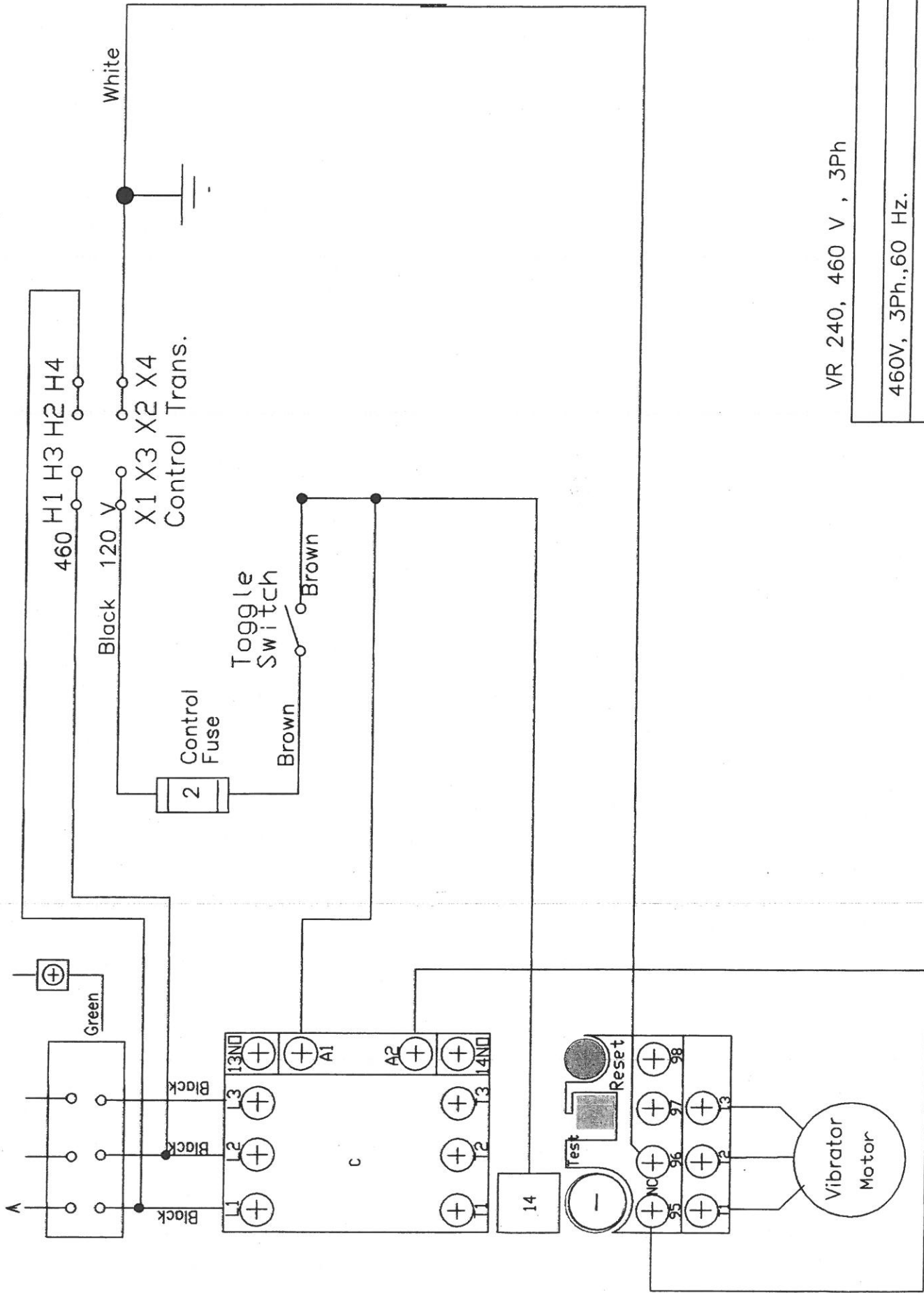
Vibrating Riddle VR 240

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5/13/2009

VR 240

460 V 3 Ph. 60 Hz



VR 240, 460 V , 3Ph

460V, 3Ph.,60 Hz.

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3/12/96