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# HDD-8RB HEAVY DUTY CYLINDER DRIER INSTRUCTION MANUAL

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## **GALISO® INCORPORATED**

MAILING: P.O. BOX 1466\_MONTROSE, CO 61402  
SHIPPING: 22 PONDEROSA COURT MONTROSE, CO 81401  
303) 249-0233 (600) 854-3789  
TELEX: 6106018738 FAX 303-249-0607

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Editor: Scott Mitchell  
Production: Kelly Cuskelly

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## PART 1 INTRODUCTION

The Galiso HDD-8RB Heavy Duty Cylinder Drier is a hot air manifold type drier designed to dry up to eight drained 9" by 51" cylinders in approximately 25 minutes.

The HDD-8RB Cylinder Drier features a thermostat controlled **8KW heating** element and a 1.5 HP (1125 Watt) brushless regenerative blower motor which moves hot air through cylinders at 106 cubic feet per minute. The brushless motor provides quiet, maintenance free operation without the need to periodically replace worn brushes. The blower assembly features a convenient 110 Volt electrical outlet, which is ideal for operation of a cylinder inspection light.

The HDD-8RB Cylinder Drier includes "Quick Connect" drier tubes to speed the process of loading and unloading cylinders. "Quick Connect" drier tubes easily snap on or off, even when they are hot from the drying process. The first three drier tubes have no checks to assure minimum air flow through the heater.

The HDD-8RB series drier is available for 220 Volt single phase, 220 Volt three phase, or 440 Volt three phase operation to adapt to the power supply at your facility. HDD driers are thermally insulated to assure maximum heating efficiency. All cylinder driers are shipped partially disassembled with complete assembly and set-up instructions provided.

In addition to the HDD series cylinder driers, Galiso also offers Medium Duty Cylinder Driers (MDD) and Light Duty Cylinder Driers (LDD).

## PART Ia SPECIFICATIONS

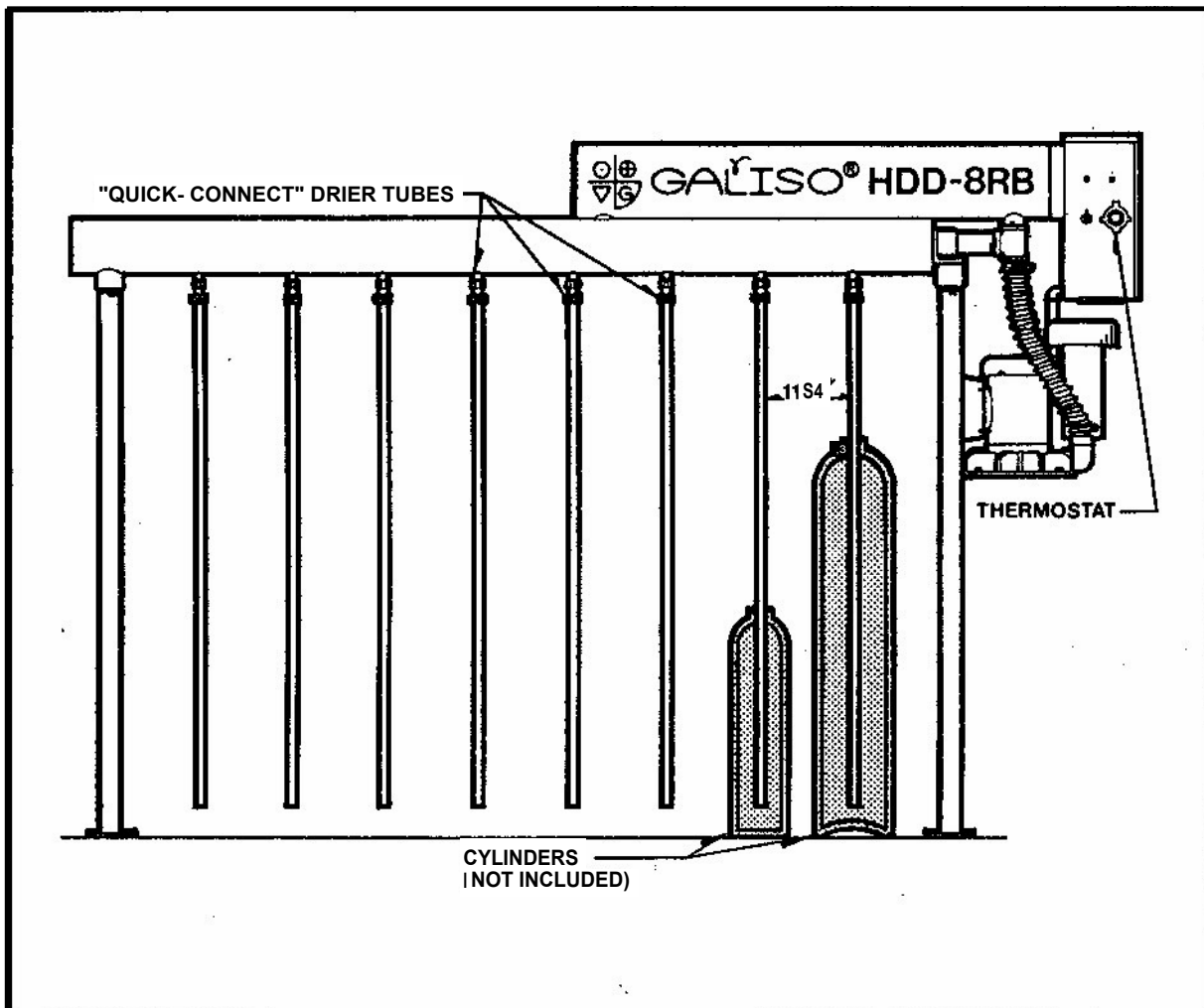


FIGURE 1) HDD-8RB HEAVY DUTY CYLINDER DRIER

### SPECIFICATIONS

**Power Requirements:** 220 Volt, single phase, 60 Hz.

220 Volt, three phase, 60 Hz.

440 Volt, three phase, 60 Hz.

**Blower Motor:** 1.5 HP, 1125 Watt, Brushless, 106 cu. ft. per minute.

**Heater Element:** 8 KW, Thermostat controlled

**Dimensions:** Height: 6 ft. 6 in. Length: 10 ft. 2 in. Width: 18 in.

**Drier Tubes:** One half in. O.D. by 0.025 in. wall, "Quick Connect"

**Warranty:** One year (see Galiso Warranty Terms, Form No. GS07805-1).

## **PART 2 SAFETY**

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- 1. Read all instructions before attempting to install or operate the HDD-EMB Heavy Duty Cylinder Drier. GALISO, INC. CANNOT BE RESPONSIBLE FOR DAMAGE OR INJURY CAUSED BY UNSAFE USE, MAINTENANCE, OR APPLICATION OF THIS MACHINE. Please contact Galiso for guidance when you are in doubt as to the proper safety precautions to be taken when Installing or operating this machine.**
2. Take care to keep the work area around the HOD-8RB clean, dry and free of debris. This will decrease the chance of operator injury due to slips or falls.
3. The **HDD-8RB** drier is capable of producing considerable heat. Use insulating gloves to protect hands against possible burns from **hot parts. Operator should also wear eye, ear and foot protection when operating the HDD-SRB.**
- 4. Do not cover motor fan cowl, or drop screwdrivers, nails, etc., into openings of fan cowl.**
5. Make sure the HDD-8RB is bolted securely to the floor.

### **PART 3 INSTALLATION**

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1. Read all instructions and familiarize yourself with the installation blueprints before attempting to install or operate the HDD-8RB Cylinder Drier.
2. Carefully uncrate the HDD-8RB Cylinder Drier and remove all packing materials.
3. To facilitate assembly, lift upper body to install the three legs. Lower to the floor.
4. Bolt the motor to the leg brackets and assemble the muffler.
5. Take cover off the thermostat control box. Fasten conduit elbow to the control box and connect lead wires to the magnetic starter, per schematic in the back of this manual.
6. Position the drier in its permanent place and bolt to the floor.
7. Connect to the power supply and test for proper direction of motor rotation by checking for air exhaust at the manifold outlets.
8. Close the control box cover.

## **PA!! 4) OPERATION..**

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- 1. Set the thermostat at the desired temperature and switch the HDD-8RB on. Let it warm up while draining cylinders completely of water.**
- 2. Insert the blower tube into the cylinder.**
3. Bring the cylinder into position below a manifold outlet. Connect the blower tube **by pushing up into the** quick connector. **CAUTION:** Avoid bending the tube or otherwise damaging the tube or connector.
4. After cylinders have been drying for about 25 minutes, check each cylinder for dryness and hook up the next cylinder.
5. The first three positions are always open to insure minimum of air flow. Use these positions first when drying cylinders.
6. To shut down at the end of the day, turn the thermostat to "OFF". Let the motor run for an additional 15 minutes to cool the unit down.

## **PART MAINTENANCE**

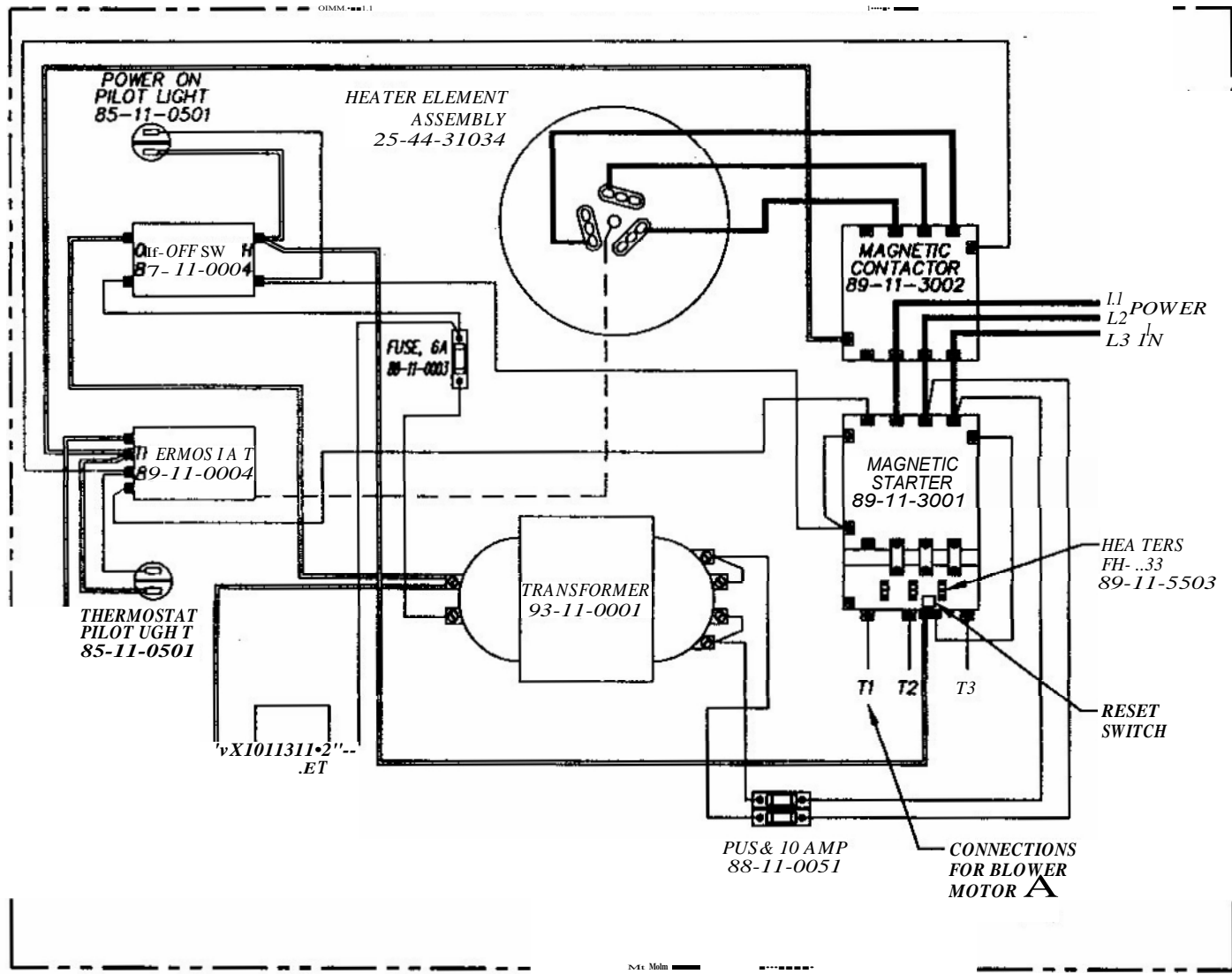
**No regular maintenance is required except to check the air filter on top of the muffler at least once a month. Replace if necessary.**



**NOTES:**

1. — 14 GA. BLACK, P/N 91-11-0067; = 14 GA. WHITE, P/N 91-11-0068;  
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2. CONNECT GROUND WIRES TO GREEN TERMINAL AT am-mu OF CASE.  
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4. UNIT DRAWS 256 AMPS.

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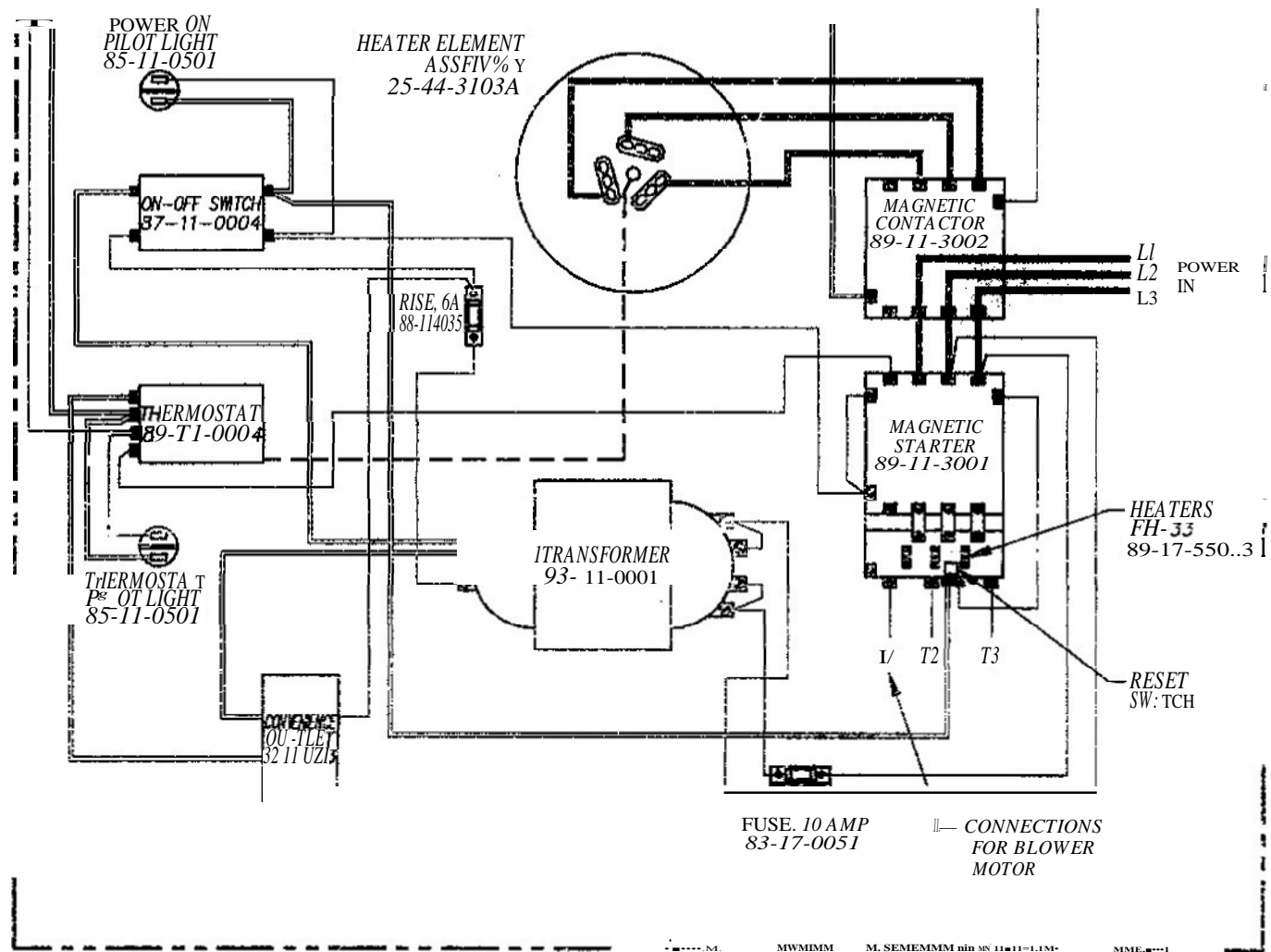
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**NOTES:**

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- 2. CONNECT GROUND WIRES TO GREEN TERMINAL AT BOTTOM OF CASE
- 3. CHECK ROTATION OF BLOWER MOTOR; TO REVERSE ROTATION. SWITCH LEADS T1 & T3.
- 4. UNIT DRAWS 25.6 AMPS.



**ELECTRICAL SCHEMATIC 220V** 301 <sup>94</sup> **ROWN 11/7/97**

**BR 220-30**

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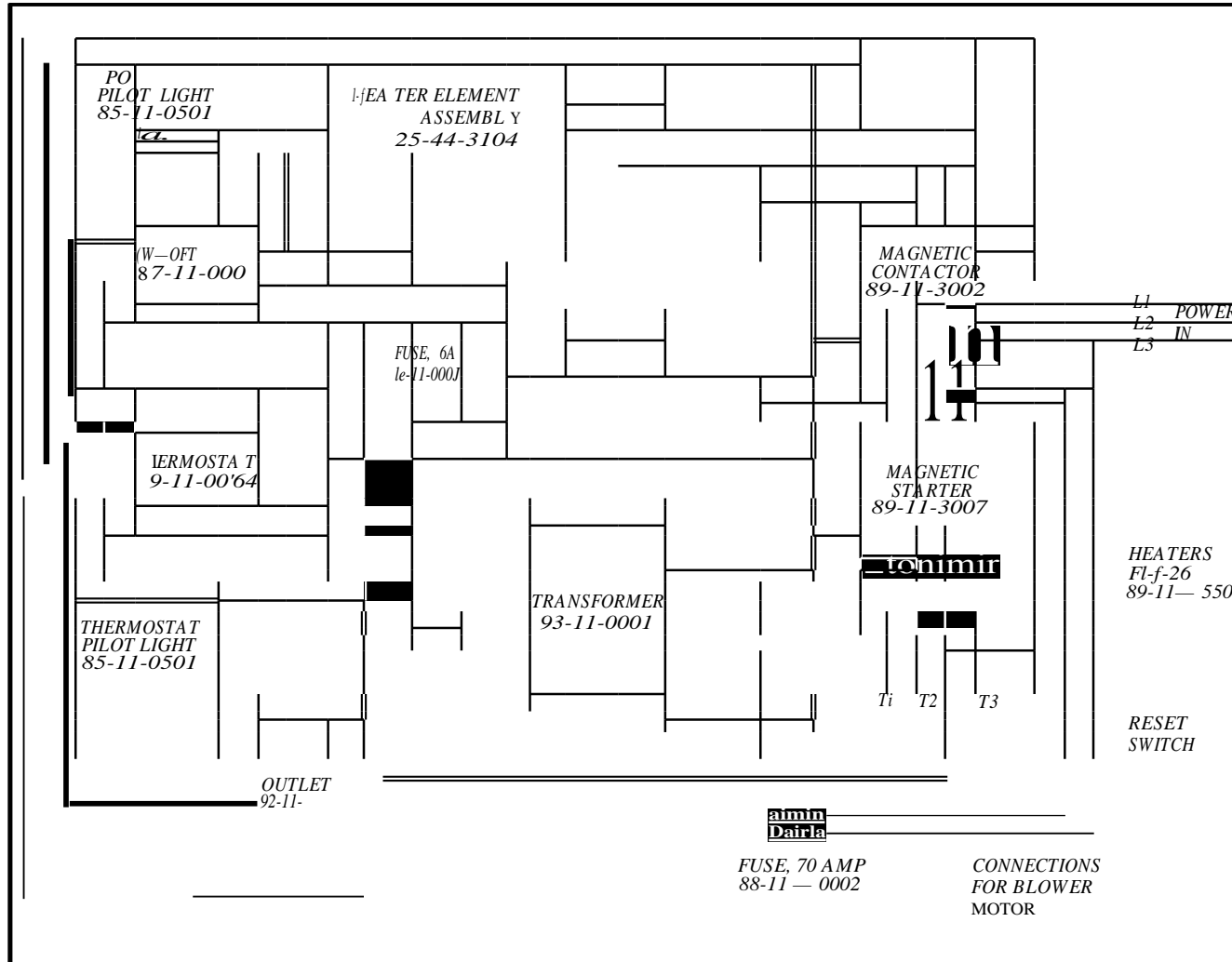
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**NOTES:**

1. — 12 GA. BLACK, P/N 97—11—0004; 12 GA. WM 7E, P/N 91—11-0005;  
NAM\* 8 GA. BLACK, P/N 91-11-0096.
2. CONNECT GROUND \*WES TO GREEN TERMINAL AT BOTTOM OF CASE.
3. CHECK ROTATION OF BLOWER MOTOR; TO REVERSE ROTATION, SWITCH LEADS T1, T2 ee T3.
4. UNIT DRAWS 12.6 AMPS.

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