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# Vibroplate

# BPU 2440
# BPU 2950

**REPAIR MANUAL**



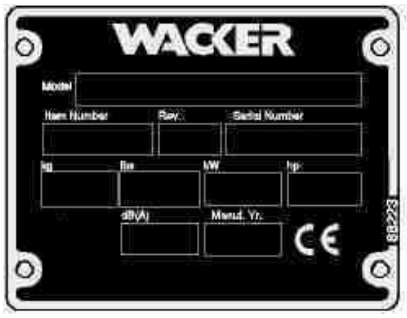
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| Label | Meaning |
|---|---|
|  wc_gr001475 | WARNING!<br>To prevent hearing loss, wear hearing protection when operating this machine. |
|   | A nameplate listing the Model Number, Item Number, Revision, and Serial Number is attached to each unit. Please record the information found on this plate so it will be available should the nameplate become lost or damaged. When ordering parts or requesting service information, you will always be asked to specify the model, item number, revision number, and serial number of the unit. |

## 3.12 To Start

*See graphic: wc_gr000014*

3.12.1 Open fuel valve by moving lever to the right **(a1)**.

**Note**: *If engine is cold, move choke lever to close position* **(b1)**. *If engine is hot, set choke to open position* **(b2 )**.

3.12.2 Turn engine switch to “ON” **(e1)**.

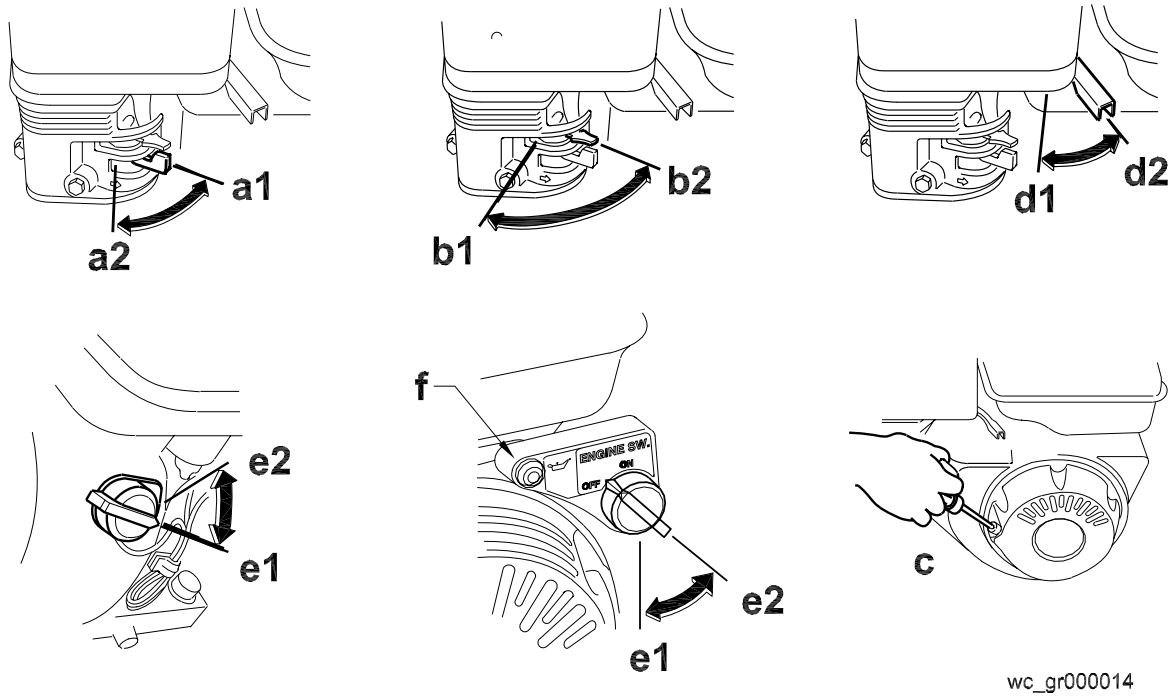
3.12.3 Open throttle by moving it slightly to left **(d1)**.

3.12.4 Pull starter rope **(c)**.

**Note**: *If the oil level in the engine is low, the engine will not start. If this happens, add oil to engine. Some engines are equipped with an oil alert light* **(f)** *that will come on while pulling the starter rope.*

3.12.5 Open choke as engine warms **(b2)**.

3.12.6 Open throttle fully to operate.




## 3.13 To Stop

*See Graphic: wc_gr000014*

3.13.1 Reduce engine RPM to idle by moving throttle completely to right **(d2)**.

3.13.2 Turn engine switch to “OFF” **(e2)**.

3.13.3 Close fuel valve by moving lever to the left **(a2)**.

# 5. Repair Procedures

## 5.1 General Repair

The repair procedures specify using sealants and screw and nut adhesives to seal metal surfaces and secure fasteners in place. These products must be used where indicated.

Although Loctite is referred to throughout this manual, an equivalent sealant such as Hernon or Omnifit may be used. When using sealants, always follow the application instructions on the container. Refer to the thread locking and sealant chart located in this manual.

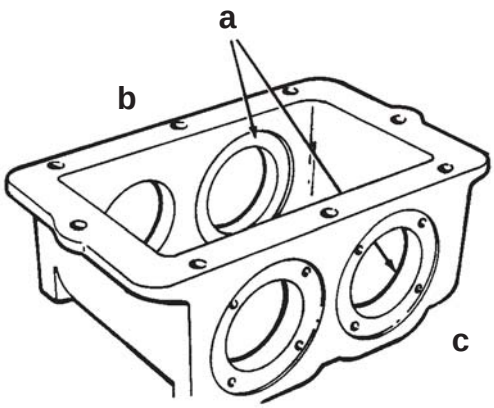
Most thread locking sealants break down at temperatures above 350°F (177°C). If a bolt or nut resists separation, apply heat to it using a small propane torch. When doing so, check to make sure no other portion of the unit will be damaged from the use of the torch.

Correct torque values are listed whenever possible. Follow these specifications when replacing or tightening screws and nuts. This is especially important at sealed surfaces where screws must be tightened evenly to ensure airtight seals thus preventing leaks.

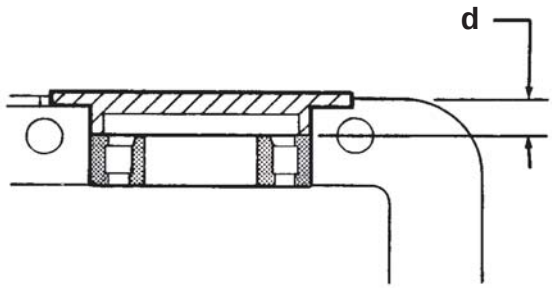
The step-by-step procedures listed here provide complete descriptions for the removal and replacement of all serviceable parts. However, items such as bearings and shafts, assembled with press fits, should be inspected for wear and damage while still in place. Removing or installing such items often requires tools or presses to do the task properly.

When installing bearings into housing, apply pressure only to the outer race of the bearing. If pressing a bearing onto a shaft, pressure should be applied only to the inner race. Apply pressure evenly around the bearing. Avoid using a hammer to pound bearings in place.

If using heat to fit a bearing onto a race, use a hot plate or hot oil bath where the temperature can be controlled. Never heat a bearing using a propane torch. Excessive heat, over 350°F (150°C), can affect the hardness characteristics and tolerance values of the bearing.




wc_gr001446




wc_gr001447

| Ref. | Note |
|---|---|
| a. | Drive shaft side machined surface |
| b. | Pulley end of housing |
| c. | Piston end of housing |
| d. | Use flanged covers to position bearings the correct distance into exciter housing. |

*Procedure continued on next page.*

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