

When Performance Counts. . . You Can Count on POWERBUFF!

OWNER'S MANUAL

POWERBUFF
21" 17-V-Twin

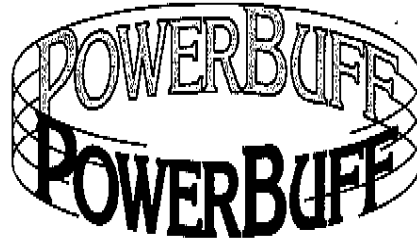
POWERBUFF
24" 17-V-Twin

POWERBUFF
28" 17-V-Twin

www.powerbuffinc.com

PHONE (336) 627 - 0111 * TOLL FREE (800) 523-2833 * FAX (336) 627-9111
2741 NC HWY 135 * STONEVILLE, NC 27048

To Order Parts Call 1-888-702-5556 - <https://www.monsterfloorequipmentparts.com>



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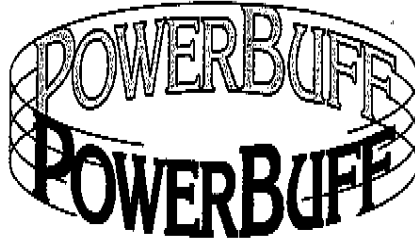
INTRODUCTION

Thank you for taking the time to select the best propane powered floor care equipment being manufactured today.

With the PB 17-V-Twin in the 21", 24" and 28" size decks, we offer the industry the "Best Built - Best Backed" propane burnishing equipment available today.

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SAFETY

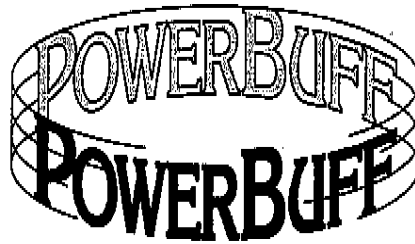
Keep hands, feet, strings and ties away from all moving parts while the machine is in operation. The exhaust system gets very hot so keep hands, clothing and any items that can burn away from the engine while hot.

PowerBuff machines are built tough and durable, however do not abuse the machine and the machine won't abuse you. With proper care and maintenance this unit will give you trouble free operations for the years to come.

Warning: Lethal Exhaust Gases

Engine exhaust gases contain poisonous carbon monoxide. Carbon monoxide is odorless, colorless, tasteless, and can cause death if inhaled. Avoid inhaling exhaust fumes and never run the engine in a closed building or confined area without proper ventilation.

Although LPG burns more efficiently and emits less carbon monoxide than gasoline, some carbon monoxide is produced. Avoid inhaling exhaust gases – especially over prolonged periods of time. Do not allow engine to run unattended.



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OPERATING INSTRUCTIONS

Before any operation should begin, you first should read your Engine Operation Manual and your Owner's Manual.

Your machine is shipped ready for your operation, however there is no fuel in the tank. When having the tank filled you must make sure the tank is never over filled. The best way to do this is to tell the filling station to weigh the tank full. On an aluminum tank, it should weigh no more than 36 pounds and on a steel tank no more than 43 pounds.

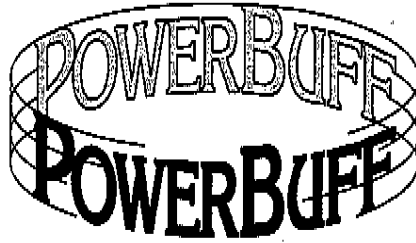
Adjustable Handle: Adjust the handle for comfortable operation. Use two $\frac{3}{4}$ " wrenches and loosen handle. Adjust to comfortable height and re-tighten bolts to 40 - 50 ft/lbs.

Check Oil Level: Starting the engine without the proper amount of oil will cause severe engine damage. Always keep the engine oil level between the full and add marks on the dipstick.

1. Park your PB 17-V-Twin on a level surface and make sure the engine is stopped.
2. Turn the oil fill cap counter clockwise and then lift from the fill tube.
3. Wipe the dip stick clean and push it back into the oil fill tube until the cap seats and then withdraw it to check the oil level. (Do not screw cap on to check oil). Add if necessary.
4. Replace oil cap.
5. If the oil level is low, add API Class SG or SH oil having a SAE viscosity grade appropriate for the expected temperatures as indicated in the Operators Manual.

Note: DO NOT OVERFILL

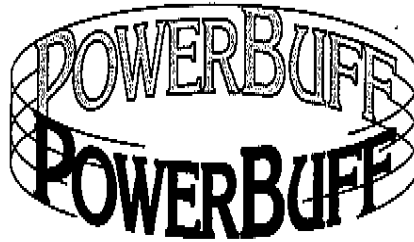
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6. Inspect fuel hoses and fittings for leaks. Repair leaks immediately.
7. Look and listen for exhaust leaks. Have all leaks repaired before operating.
8. Check the carb filter and air filter for debris. Clean and replace if necessary.
9. Connect fuel hose to tank by screwing the hose fitting to tank. You must tighten all the way down to make fuel connection. Turn tank knob slowly until you hear the flow of fuel into fuel system.

To Order Parts Call 1-888-702-5326 - <https://monsterflooringequipmentparts.com>



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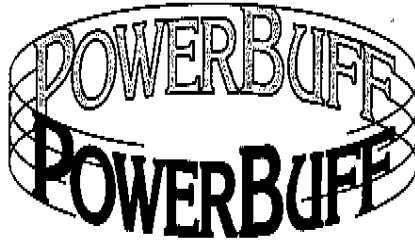
PB 17-V-Twin STARTING PROCEDURE

The PB 17-V-Twin is equipped with a 12 volt starter and a key switch start.

1. Tilt machine back so floor pad is off the floor.
2. Put throttle cable into the run position.
3. Turn the ignition - start switch to it's *start* position and hold it there until the engine starts. Do not crank for more than 30 seconds at a time and wait at least one minute between tries when cranking. See troubleshooting guide if the engine does not start after several tries.
4. After engine starts, move throttle to the *run* position. Do not operate buffer until the engine has warmed up sufficiently. (3 to 5 minutes) .

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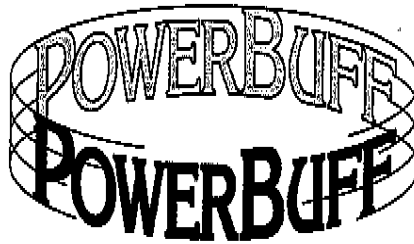
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STOPPING ENGINE

1. Turn fuel valve on tank to the closed position and allow the engine to continue and allow the engine to continue running until it runs out of fuel.
2. Turn key to the off position.

** In an emergency turn the key to the off position. Backfiring may occur when using this method.

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PB 17-V-Twin Engine: Read Owner's Manual

Daily Or Before Starting Engine:

1. Check Oil Level (add if necessary)
2. Check Air Cleaner For Dirt, Loose or Damaged Parts (replace if necessary)
3. Check Air Intake and Cooling Areas (clean if necessary)
4. Service Air Intake Filter (92156)
5. Check Belt Tension

Every 50 Hours:

1. Clean Air Cleaner Pre-filter (F11013-7001)
2. Clean Cylinder Cooling Fins
3. Change Engine Oil (1.9 US Quarts SAE 10W30)

Every Month

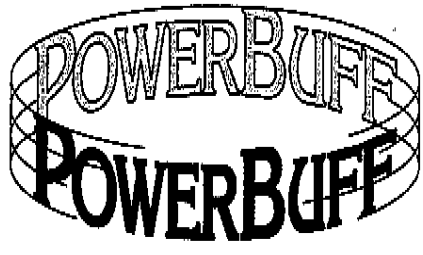
1. Check Starting Battery

Every 100 Hours:

1. Change Oil Filter (F49065-2078)
2. Check Spark Plug

Every 200 Hours:

1. Replace Air Cleaner Element (F11013-7002)
2. Adjust Engine Valve Clearance



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Every 500 Hours

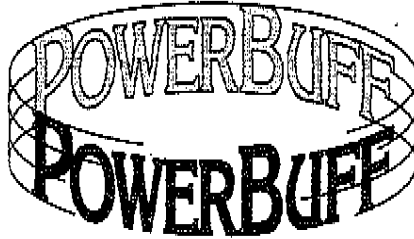
1. Replace Spark Plugs (F92070-7001)

Every 1000 Hours

1. Clean Cylinder Heads of Deposit

- * *Change engine oil after first 24 hours of operation.*
- * *Service more often in dusty conditions.*
- * *Maintenance should be done by qualified personal only.*

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Memo

To: Purchaser
From: PowerBuff Inc.
Date: August 19, 1996
RE: **"CO" - CARBON MONOXIDE DETECTOR**

The "CO" carbon monoxide detector detects carbon monoxide before it reaches dangerous levels. This detector is a must for those who run propane powered equipment in or around enclosed areas.

- ◆ The CO Detector Is For Everyone's Protection Against Carbon Monoxide Poisoning
- ◆ Effective For 30 Days After Package Has Been Opened
- ◆ Mount With Self Adhesive Strip On The Side Of Your Handle Or Locate It Around The Operator's Collar
- ◆ If The Orange Disk On The Detector Changes To Gray Or Black - Your Carbon Monoxide Levels Are At A Dangerous Level

*If the orange disk changes to gray or black you must turn your buffer off immediately and return it to your nearest authorized **PowerBuff Inc. Distributor** for an emissions test. Do Not Restart the buffer or stripper until the emissions have been checked and corrected.*

For replacement CO detectors, contact your PowerBuff Inc. distributor for availability and pricing.

This is for your protection as well as your customers. A must for safe operation and maximum efficiency on your equipment.



When Performance Counts... You Can Count On POWERBUFF!

TO: All PowerBuff Users
FROM: PowerBuff Service Department
SUBJECT: Scheduled Maintenance

URGENT

URGENT

URGENT

Scheduled Maintenance is Essential for Top Engine Performance!

It is a MUST that this maintenance is done on schedule for top performance and low emissions.

Maintenance

Frequency

Inspect Engine	Everyday
Check Oil Level	Everyday
Clean Top Air Filter	Everyday
Clean Carb. Air Cleaner/Foam Wrapper	Every 20 Hrs.
Clean Cooling Fins	Every 20 Hrs.
* Change Engine Oil <u>And</u> Filter	Every 50 Hrs.
Replace Carb. Air Cleaner Element	Every 50 Hrs.
Replace Spark Plugs	Every 200 Hrs
Clean Spark Arrester (If Equipped)	Every 200 Hrs.
Adjust Engine Valve Clearance	Every 200 Hrs.

* Change Engine Oil and Filter After First 5 Hours of Operation and Every 50 Hours Thereafter.

PHONE: (336) 274-2833 • TOLL FREE: (800)523-2833 • FAX: (336) 274-2811

P.O. Box 9273 • Greensboro, NC 27429