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USER MANUAL

RIDE-ON SWEEPER VS-160 R-Bp



INDEX

SERIAL NO	DESCRIPTION	PAGE NO
1.	MACHINE DESCRIPTION	3
2.	MACHINE OVERVIEW	4
3.	TECHNICAL DETAILS	5
4.	OPERATING GUIDE	6-7
5.	REPLACEMENT OF BRUSHES	8
6.	PRECAUTION	9
7.	COMMON PROBLEM AND SOLUTION	10-11

MACHINE DESCRIPTION

The **VOOT Ride on sweeper VS 160 R battery operated** is designed to provide efficient and reliable cleaning of large areas such as warehouses, parking lots, and outdoor spaces. It is equipped with a powerful battery that provides extended operating times without the need for constant recharging. The sweeper features a large sweeping path of up to 1550mm, making it possible to clean large areas in a short span of time. It also has a high-capacity hopper that can collect up to 160 liters of debris, reducing the need for frequent emptying. The **VOOT Ride on sweeper VS 160 R battery operated** is also equipped with a filter-cleaning system that helps to keep the air clean while sweeping, making it ideal for indoor environments. Additionally, it has a low noise level, which makes it suitable for use in any environment and at any time. Overall, the **VOOT Ride on sweeper VS 160 R battery operated** is a powerful and efficient cleaning solution that provides reliable and effective performance in a range of environments.



-MACHINE OVERVIEW-



1. Steering wheel and panel

2. Lights

3. warning lights

4. Seat

5. Hopper

11. Spray Nozzle

6. Accelerator pedal

7. Wheels

8. Main brush

9. Side brushes

10. Leather lifting pedals

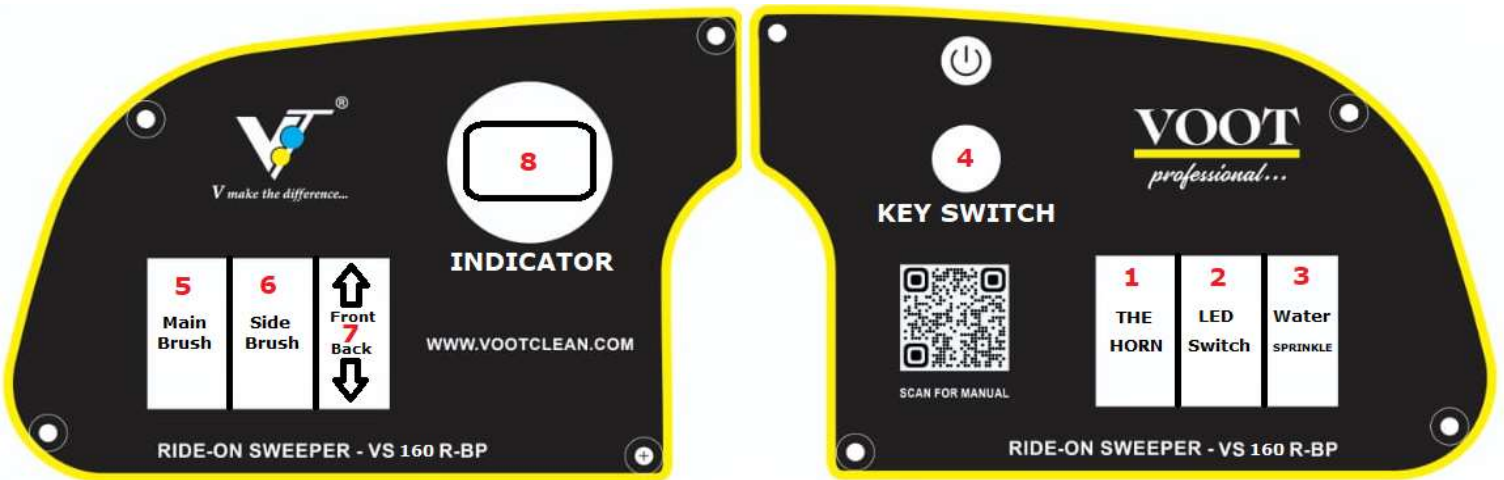
-TECHNICAL DETAILS-

Application		Indoor & Outdoor
Type Of Movement		Ride-On
Dump Type		Manual
Hopper Dust Load Capacity	Ltrs	160
Productivity	m2/h	12000
Forward Speed	Km/Hr	10/12
Operating Voltage	V/Ah	48
Wheels		Solid Rubber
Material Of Chassis		Mild Steel as per IS:2062 (Grade-A)
Material of Body		Polypropylene
Dust Control Systems		Wet & Dry
Climbing Gradability	°	25
Central Brush Width	mm	800
Brush Speed	rpm	400
Number Of Side Brushes	Nos	2
Working width (with side brush)	mm	1550
Dia Of Side Brushes	mm	200x2
Total Power	Watt	2650
Battery Chemistry		Lead Acid
Battery Chargers		Standard
Number of Batteries Required For Operation	Nos	4 Nos
Battery Backup Time	H	4-5 H
Battery Bank Voltage	V	48
Capacity of Battery	Ah	150
Battery Charger Type	Low /High	High efficiency
Filter Shaker		Electrical
Filter Type		Cartridge
Filter Surface Area	m2	8
Weight	Kg	650
Dimension	mm	1820 x 1300 x 1400

Note: The above parameters/colour are subject to change without further notice.

-OPERATING GUIDE-

A) Control Panel Description



1. Horn switch

2. LED Switch

3. Water Sprinkler

4. Key Switch

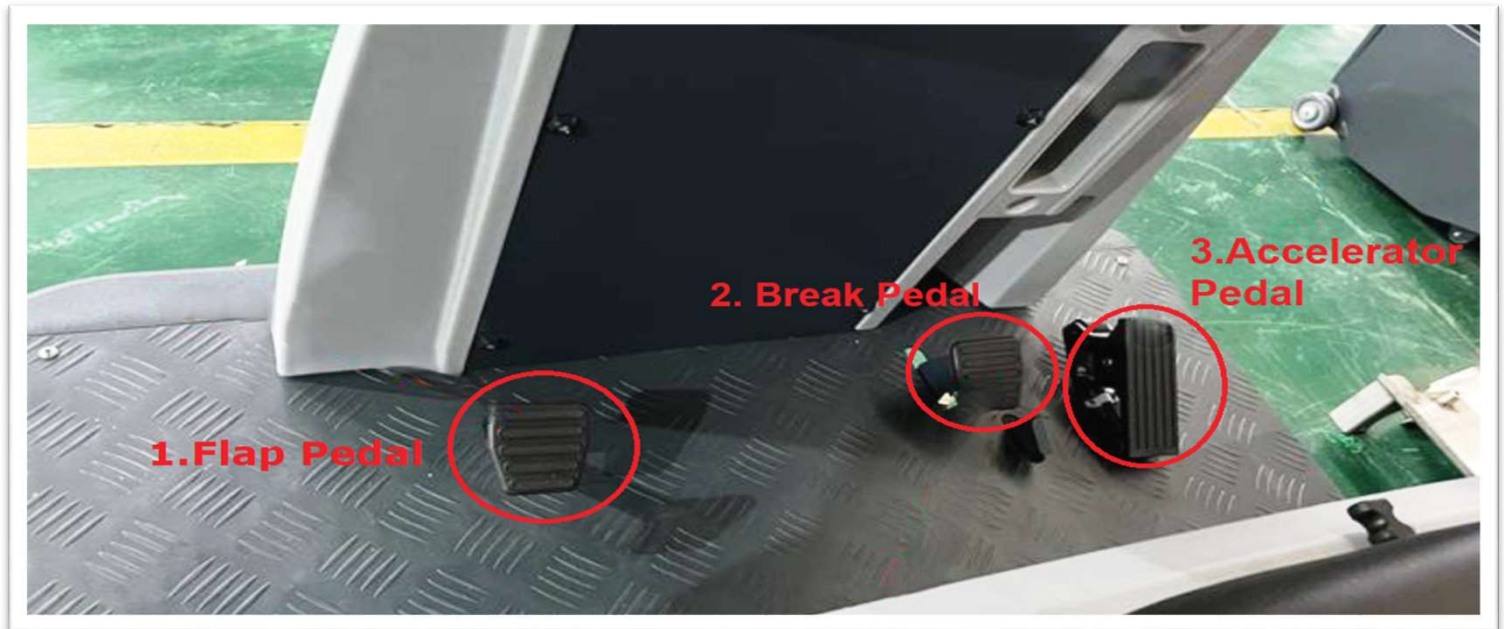
5. Main Brush

6. Side Brush

7. Forward and Backward Switch

8. Indicator

B) Traveling Accelerator, Brake, lifting Flap Pedal.



1. Raise The Flap Pedal : Step on it when you encounter a bump or a large object while walking when sweeping the floor and encountering large garbage, step on it.

2. Brake pedal.

3. Gas pedal

C) Opening And Closing of Hopper.



When you need to empty the hopper, first buckle the hopper bin upwards Pull away and then pull the hopper handle back to dislodge the hopper. The hopper is separated from the machine. After empty the hopper, aim the hopper mouth at the machine Slowly push forward in the correct position, push the buckle to the bottom and then Press down firmly to return the hopper to its place.

D) Charging Point



The charging point is located on the left side of the machine. Just plug the charger pin into the machine to charge as shown in the picture.

-REPLACEMENT OF BRUSHES-

1) Replacement of Main Roller Brush.



When it is necessary to replace or clean the main brush, open the left flap, unscrew the main brush connecting plate fixing nut, and drag out the connecting plate, then unscrew the main brush side baffle fixing nut, remove the main brush side baffle, and then the main brush side baffle can be removed. Brush out. After replacement or cleaning, install the main brush in the reverse order as described above.

B) Replacement of Side Brush.



To replace the side brush, loosen the side brush flange locking screw, knock off the side brush flange, remove the fixing screws (4 M6 flange screws) between the flange and the side brush, replace the side brush with a new one, tighten the fixing screws, and brush the flange, and finally tight the screws.

-PRECAUTION-



- ① Non-professionals are strictly prohibited from operating this machine.
- ② It is strictly prohibited to clean filamentous and strip-like objects.
- ③ Deep battery discharge is strictly prohibited.
- ④ It is strictly prohibited to park the machine on a slope.
- ⑤ It is strictly prohibited to use the sweeper on rainy days.
- ⑥ It is strictly prohibited to use it without power, please charge it in time.

-COMMON PROBLEM AND SOLUTION-

1. No Movement Of Machine :

Related components include the P.C.B (left side inside the Electric box), two way contactor, accelerator (right foot pedal), Drive motor, battery, corresponding terminals, connectors and clues. Any one of the components is damaged Or poor contact will cause inability to work, and it can be restored by replacing the damaged parts.

2. No Cleaning:

The main components of sweeping include 2 side brush motors, 1 main brush motor, 1 fan, 1 100A contactor, main and side brush push rods, control switch buttons, etc. The side brush motor, main brush motor, and fan motor are all controlled by 100A contactors. If any one of them does not work, it is a motor failure. If none of these motors work, the reasons are:

①The sweeping switch button is invalid, just replace the switch. ②The 100A contactor is damaged, just replace it.

3. Water Sprinkle Problem:

The sprinkler function is mainly related to components, water tanks, water pumps, water pipes, valves, nozzles, switches and control circuits. Common problems include leaking water tanks, broken water pipes, loose ligation, clogged water nozzles, damaged water pumps, and electrical appliances. Road failure, etc. If you find any joint leaking, loosen the connecting section, then wrap it with raw material tape and then Just secure it tight.

4. Poor Cleaning:

Whether the floor is clean depends on the distance between the main brush and the ground. Over time, the main brush becomes worn. You can adjust the leather screw in the left flap up and down to adjust the height of the main brush from the ground.

4. Automatic Filter Cleaning System.

Check whether the filtration dust motor is damaged. If damaged, replace it. Check whether the relevant circuits and switch buttons are normal. If damaged, replace them.

5. No charging.

Check whether the charger connector is connected properly, whether the charger is working normally, and whether the charger panel display is as stated in the user manual. If the connector is not plugged properly, just plug it in. If you find other abnormalities and the charger does not display, please contact after-sales service personnel in time.

6. Check dust coming out from the machine

The common main causes of dust leakage are:

① The air filter did not vibrate dust in time, causing blockage.

- ② The sealing strip of the hopper has fallen off or is partially damaged
- ③ The fan is not working properly
- ④ Front Skirtings is damaged
- ⑤ The main brush has filamentous ribbon wrapping or is installed in the wrong direction
- ⑥ The Hopper buckle is loose or fallen off.
- ⑦ Cleaning speed is too fast If you find this situation, please take corresponding measures according to each situation.

6. The main brush and side brush cannot be upgraded.

There are two push rods that control the lifting of the main brush and side brush. work separately and are controlled together. If found any one or two of them are not working, it is judged that the push rod is damaged and can be replaced if both push rods are found Not working at the same time. Check its wiring.