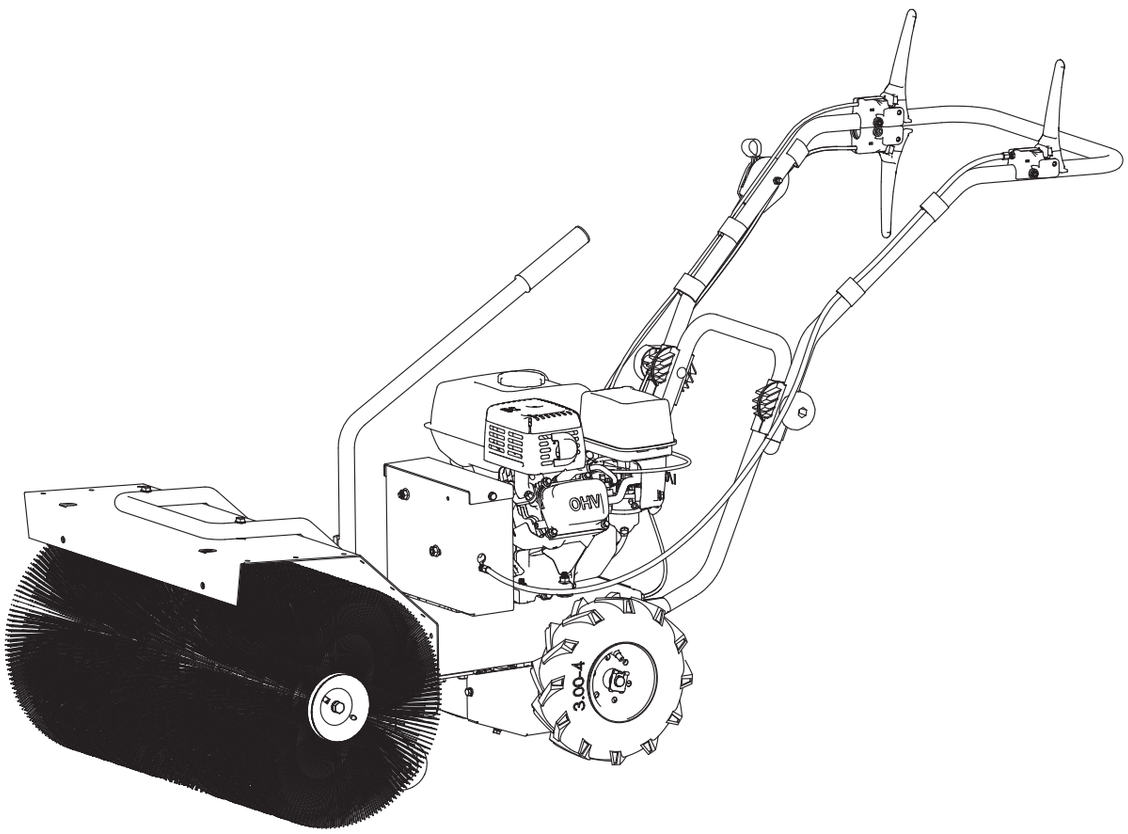
POWER SWEEPER
Operator's Manual



WARNING:

Read carefully and understand all INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

Save these instructions in a safe place and on hand so that they can be read when required. Keep these instructions to assist in future servicing.

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TABLE OF CONTENTS

Introduction	2
Specifications	2
Symbols	2
Safety	3
General Safety Rules	3
Specific Safety Rules	5
Contents supplied	6
Assembly	7
Know your Sweeper	11
Features & Controls	11
Sweeper Operation	12
Maintenance	13
Storage	14
Trouble Shooting	15
Parts Schedule	16

INTRODUCTION

Your new power sweeper will more than satisfy your expectations. It has been manufactured under stringent quality standards to meet superior performance criteria. You will find it easy and safe to operate, and with proper care, it will give you many years of dependable service.

Carefully read through this entire operator's manual before using this unit. Take special care to heed the cautions and warnings.

The power sweeper is designed for the sweeping and removal of snow, leaves, dirt, light gravel and other materials from packing lots, sidewalks and other surfaces. There is a belt drive system directly mounted on the engine. It has 2 sets of belt drives, one to the gear box underneath for walking, 1 forward + 1 reverse, and the other to the front for the gear box for brush rotation. The brush can be swung left and right manually controlled by the steering lever.

The **Engine manufacturer** is responsible for all engine-related issues with regards to performance, power rating, specifications, warranty and service. Please refer to the **Engine Manufacturer** 's owner's/operator's manual, packed separately with your unit, for more information.

Specifications

Item No.	GUT097
Engine	209 cc, 7 HP, 4.3kW
Transmission	1 Forward + 1 Reverse
Forward Speed	0.82 m/s²
Reverse Speed	0.82 m/s²
Total Machine Width	620 mm
Sweeping Width	600 mm
Broom Diameter	360 mm
Broom Speed	420 rpm
Level of vibration on handleber	5.52m/s²
Weight	60.8 kg
Sound pressure level	83.1db(A) k=4db(A)
Sound power level	95db(A) k=6.4db(A)

RECYCLING AND DISPOSAL

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or check with your local authority or local stores for advice of environmental safe recycling.

SYMBOLS

The rating plate on your machine may show symbols. These represent important information about the product or instructions on its use.

Wear eye protection.
Wear hearing protection.


Read these instructions for use carefully.


Wear safety footwear.


Wear safety gloves.


It is forbidden to remove or tamper with the protection devices and safety devices.


Keep away from hot parts on the machine.


Do not smoke or have open flames.


Keep your feet away from moving parts.


Thrown objects can cause injury.


Keep bystanders away.

SAFETY

General Safety Rules

Understand your machine

Read and understand the operator's manual and labels affixed to the machine. Learn its application and limitations as well as the specific potential hazards peculiar to it.

The road surface cleaning shall only be operated by specially trained personnel.

The qualification of the operating personnel and elements to be included in their training in safe working practices.

Be thoroughly familiar with the controls and their proper operation. Know how to stop the machine and disengage the controls quickly.

Make sure to read and understand all the instructions and safety precautions as outlined in the **Engine Manufacturer**'s Manual, packed separately with your unit. Do not attempt to operate the machine until you fully understand how to properly operate and maintain the **Engine** and how to avoid accidental injuries and/or property damage.

Work area

Never start or run the machine inside a closed area. The exhaust fumes are dangerous, containing carbon monoxide, an odorless and deadly gas. Operate this unit only in a well ventilated outdoor area.

Never operate the machine without good visibility or light.

Personal safety

Do not operate the machine while under the influence of drugs, alcohol, or any medication that could affect your ability to use it properly.

Dress properly. Wear heavy long pants, boots and gloves. Do not wear loose clothing, short pants, and jewelry of any kind. Secure long hair so it is above shoulder level. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

Use safety equipment. Always wear eye protection. Safety equipment such as a dust mask, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

Check your machine before starting it. Keep guards in place and in working order. Make sure all nuts, bolts, etc. are securely tightened.

Never operate the machine when it is in need of repair or is in poor mechanical condition. Replace damaged, missing or failed parts before using it. Check for fuel leaks. Keep the machine in safe working condition.

Never remove or tamper with safety device. Check their proper operation regularly.

Do not use the machine if the engine's switch does not turn it on or off. Any gasoline powered machine that can not be controlled with the engine switch is dangerous and must be replaced.

Form a habit of checking to see that keys and adjusting wrenches are removed from machine area before starting it. A wrench or a key that is left attached to a rotating part of the machine may result in personal injury.

Stay alert, watch what you are doing and use common sense when operating the machine.

Do not overreach. Do not operate the machine while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces. Keep proper footing and balance at all time. This enables better control of the machine in unexpected situations.

Avoid accidental starting. Be sure the engine is off before transporting the machine or performing any maintenance or service on the unit. Transporting or performing maintenance or service on a machine with engine on invites accidents.

Fuel safety

Fuel is highly flammable, and its vapors can explode if ignited. Take precautions when using to reduce the chance of serious personal injury.

When refilling or draining the fuel tank, use an approved fuel storage container while in a clean, well-ventilated outdoor. Do not smoke, or allow sparks, open flames or other sources of ignition near the area while adding fuel or operating the unit. Never fill fuel tank indoors.

Keep grounded conductive objects, such as tools, away from exposed, live electrical parts and connections to avoid sparking or arcing. These events could ignite fumes or vapors.

Always stop the engine and allow it to cool before filling the fuel tank. Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot. Do not operate the machine with known leaks in the fuel system.

Loose the fuel tank cap slowly to relieve any pressure in the tank.

Never over fill fuel tank. Fill tank to no more than 12.5mm (1/2") below the bottom of the filler neck to provide space for expansion as the heat of the engine can cause fuel to expand.

Replace all fuel tank and container caps securely and wipe up spilt fuel. Never operate the unit without the fuel cap securely in place.

Avoid creating a source of ignition for spilt fuel. If fuel is spilt, do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have dissipated.

Store fuel in containers specifically designed and approved for this purpose.

Store fuel in a cool, well-ventilated area, safely away from sparks, open flames or other sources of ignition.

Never store fuel or machine with fuel in the tank inside a building where fumes may reach a spark, open flame, or other sources of ignition, such as a water heater, furnace, clothes dryer and the like. Allow the engine to cool before storing in any enclosure.

Machine use and care

Position the machine in such a way that it can not move during maintenance, cleaning, adjustment, assembly of accessories or spare parts, as well as under storage.

Do not force the machine. Use the correct machine for your application. The correct machine will do the job better and safer at the rate for which it is designed.

Do not change the engine governor settings or over-speed the engine. The governor controls the maximum safe operating speed of the engine.

Do not run the engine at a high speed when you are not working.

Do not put hands or feet near rotating parts.

Avoid contact with hot fuel, oil, exhaust fumes and hot surfaces. Do not touch the engine or muffler. These parts get extremely hot from operation. They remain hot for a short time after you turn off the unit. Allow the engine to cool before doing maintenance or making adjustments.

If the machine should start to make an unusual noise or vibration, immediately shut off the engine, disconnect the spark plug wire, and check for the cause. Unusual noise or vibration is generally a warning of trouble.

Use only attachments and accessories approved by the manufacturer. Failure to do so can result in personal injury.

Maintain the machine. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the

machine repaired before use. Many accidents are caused by poorly maintained equipment.

Keep the engine and muffler free of grass, leaves, excessive grease or carbon build up to reduce the chance of a fire hazard.

Never douse or squirt the unit with water or any other liquid. Keep handles dry, clean and free from debris. Clean after each use.

Observe proper disposal laws and regulations for gas, oil, etc. to protect the environment.

Store idle machine out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate it. Machine is dangerous in the hands of untrained users.

Service

Before cleaning, repair, inspecting, or adjusting, shut off the engine and make certain that all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.

Have your machine serviced by qualified repair personnel using only identical replacement parts. This will ensure the safety of the machine maintained.

Specific Safety Rules

Thoroughly inspect the area to be worked, keep the working area clean and free of debris to prevent tripping. Operate on a flat level ground.

Never place any part of your body where it would be in danger if movement should occur during assembly, installation, and operation, maintenance, repairing or moving.

Keep all bystanders, children, and pets at least 23m (75 feet) away. If you are approached, stop the unit immediately.

Start the engine carefully according to instructions and with feet well away from the moving parts.

Never leave the operating position when the engine is running.

Always hold the unit with both hands when operating. Keep a firm grip on the handlebars. Be aware that the machine may unexpectedly bounce upward or jump forward if the machine should strike buried obstacles such as large stones.

Walk, never run with the machine.

Use extreme caution when in reverse or pulling the machine towards you.

Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.

Pay the utmost attention when working on frozen ground as the machine may tend to skid.

Do not operate the machine in confined areas where there may be a risk of crushing the operator between the machine and another object.

Never operate the machine on slopes where angle is over 20°.

Move the machine at least 3m away from the refueling point before starting engine.

Always check the oil level of the engine before use.

Do not operate the machine on a bumpy or steep road. Exercise caution to avoid slipping or falling, especially when operation in reverse.

Inspect that all nuts, bolts and brush rollers are tight and well connected to ensure the safety and reliability of this machine prior to any operation.

Adjust the lever cables to ensure that they are flexible and reliable.

Adjust the brush to proper height prior to any operation.

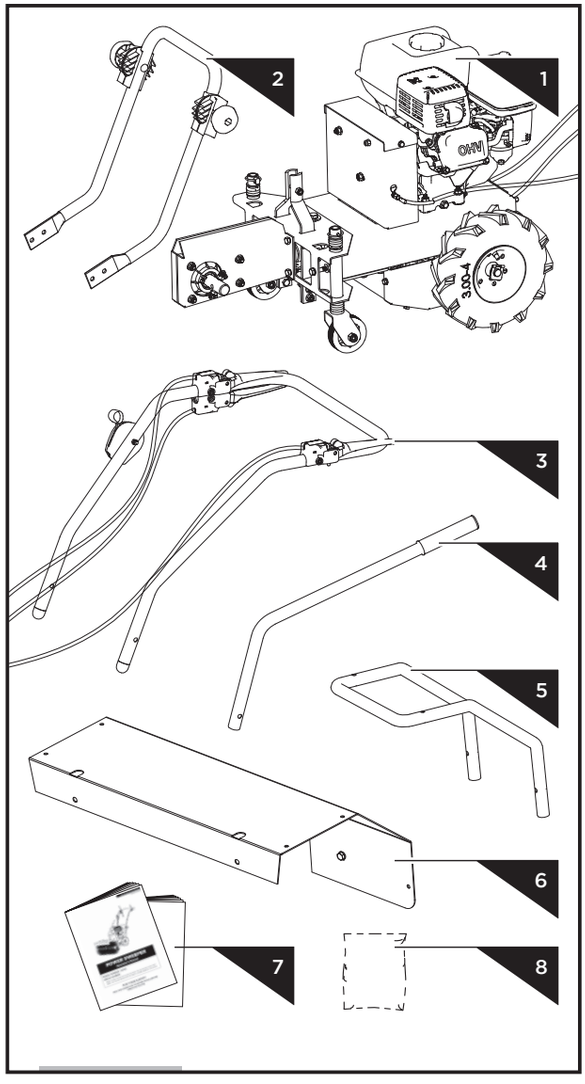
Inspect the air pressure in the tires prior to use and pay attention to sharp objects when using the machine to prevent the tires from being pierced.

Since some parts of the machine are made of plastic or rubber materials, it should be kept away from any chemical article to prevent a chemical reaction from occurring.

When Sweeping, if the brush is blocked by some soft materials. Please stop engine and remove the spark plug then remove the materials.

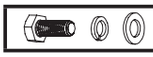
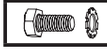
CONTENTS SUPPLIED

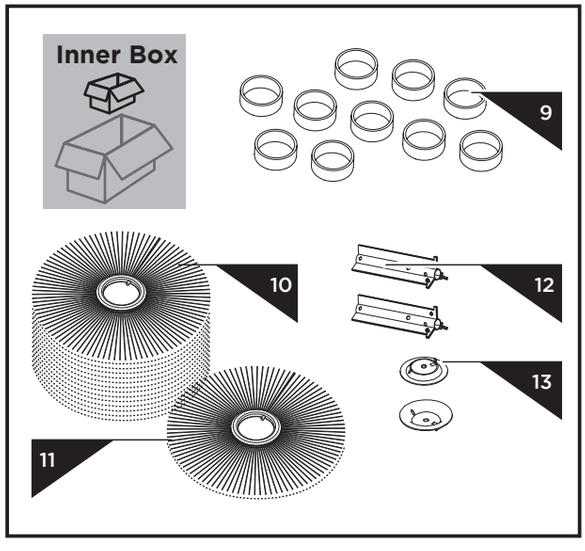
The power sweeper comes partially assembled and is shipped in carefully packed package. After all the parts have been removed from the package, you should have:



1. Main Frame
2. Lower Handle
3. Upper Handle
4. Steering Lever
5. Guard Plate Support Pipe
6. Guard Plate
7. Operator's Manual & Engine Manual

8. Hardware Bag, including:

	M8 X 20	X 4	A
	M8 X 50	X 2	B
	M8 X 45	X 2	
	M8 X 45	X 2	C
	M10 X 30	X 2	D

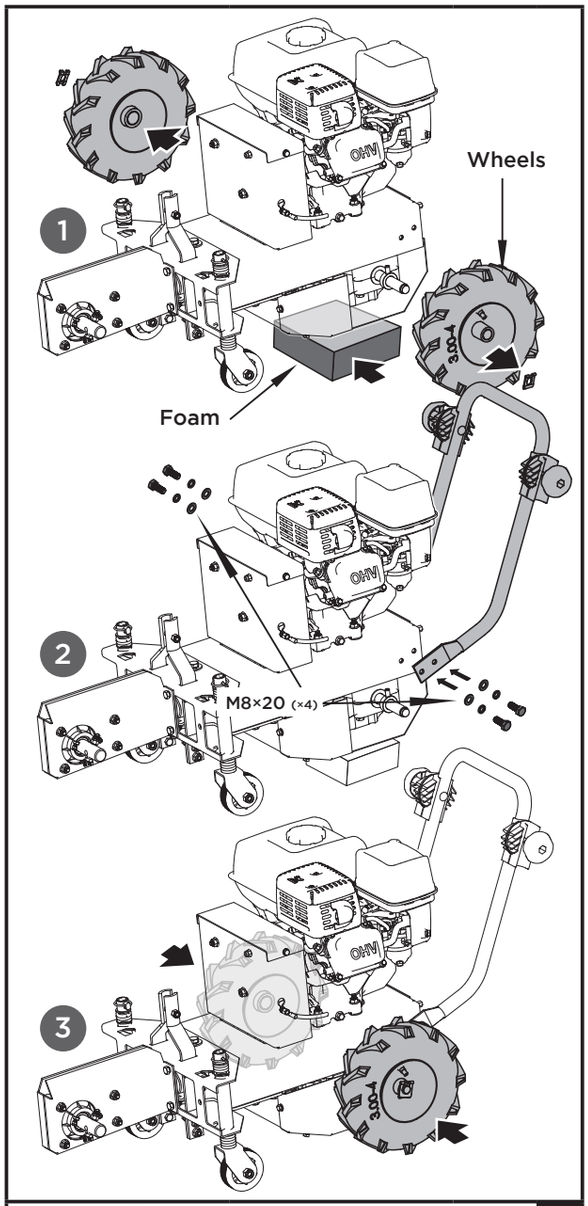


9. Brush Sleeve (x10)
10. Brush II (x12)
11. Brush I (x2)
12. Brush Shaft Weldment (x2)
13. Brush Guard (x2)

ASSEMBLY

Following the assembly directions below, you will assemble the machine in a few minutes.

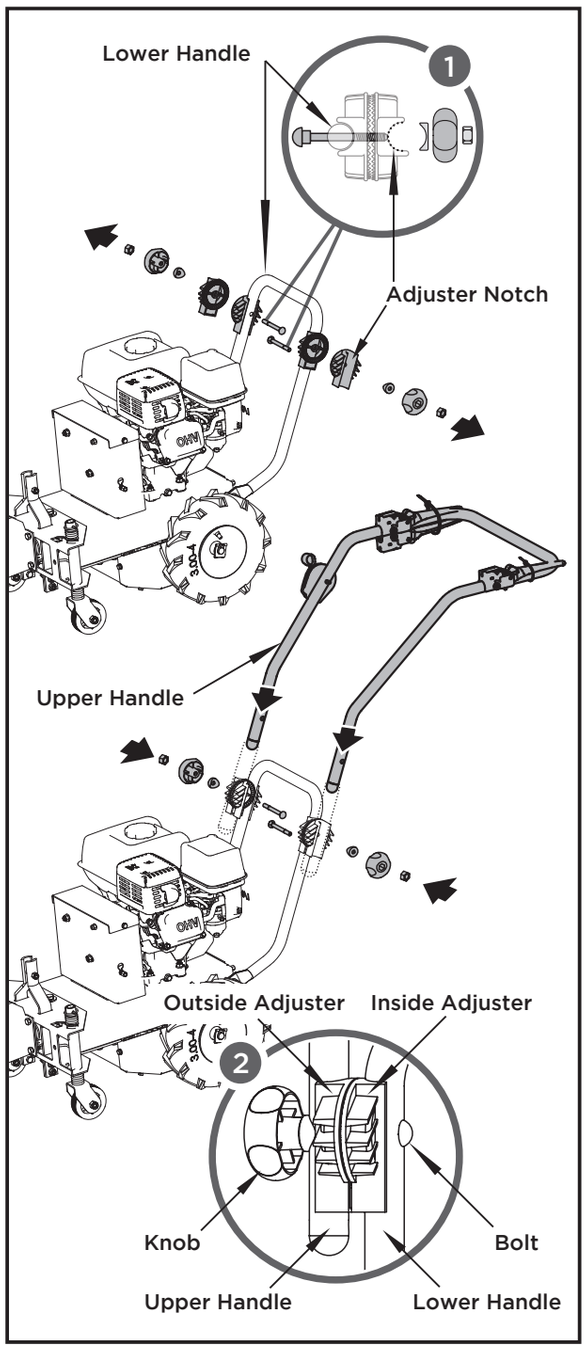
Lower Handle



M8 X 20	X 4	A

1. A piece of foam of power sweeper packaging placed under gearbox housing is recommended.
2. Disassemble the wheels. Mount the lower handle to the engine base with bolts M8x20, spring washers 8 and flat washers 8. Then mount the wheels and fix them by the circlips.
3. Remove the foam.

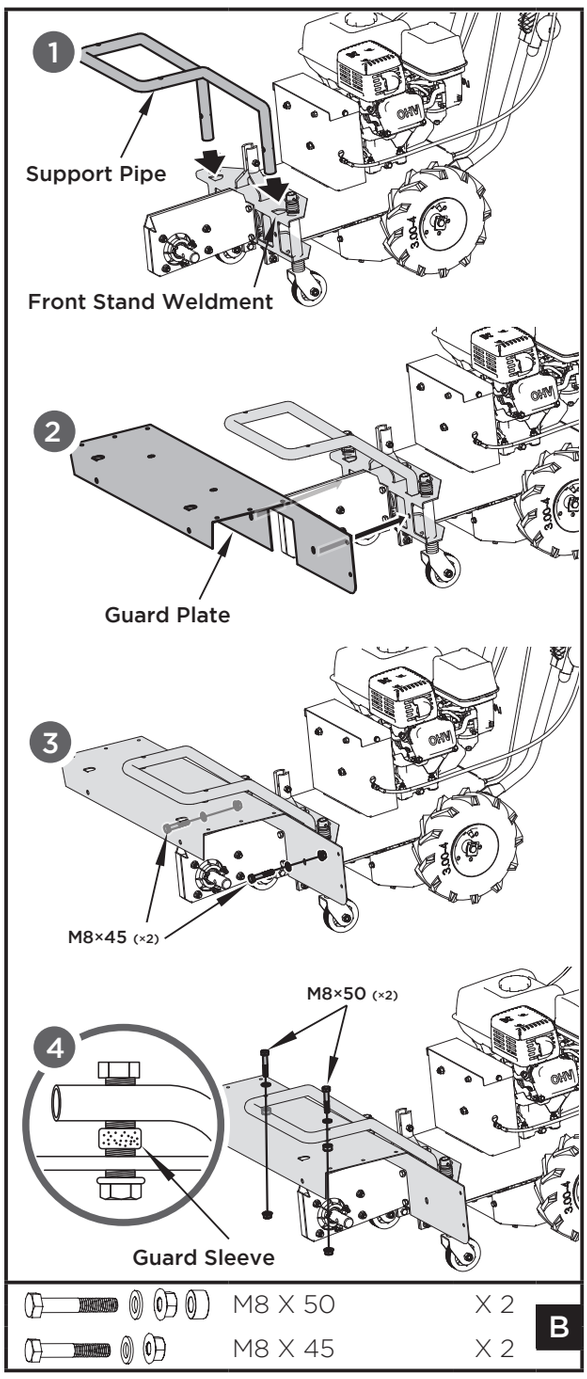
Upper Handle



1. Loosen the handle knob and remove the knob, nut and the washer on each side. Loosen the bolt and leave the notch of the adjuster clear, but the bolt still able to hold the adjuster on the handle.
2. Mount the upper handle into the notch of the adjusters, and align the holes. Then mount back the bolt, washer, nut and knob, but do not tight the knob.

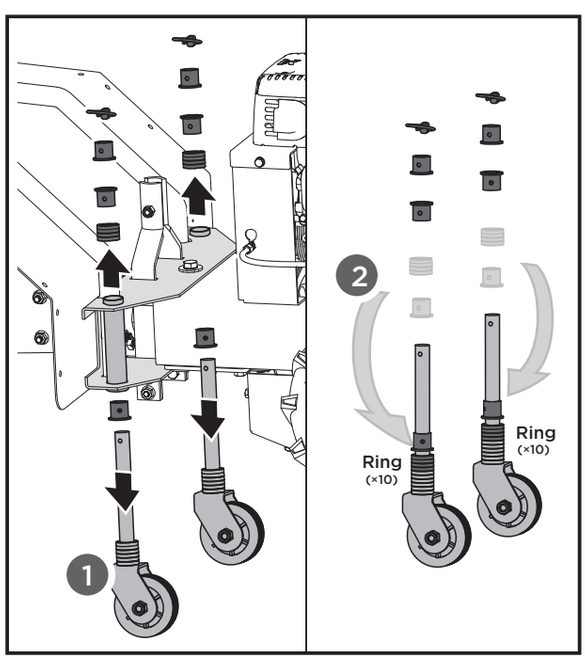
3. Stand in the operator's position behind the handle to make sure handle is adjusted to a comfortable height.
4. Tighten the handle knobs securely. Make sure the teeth on the two parts of adjuster match each other.

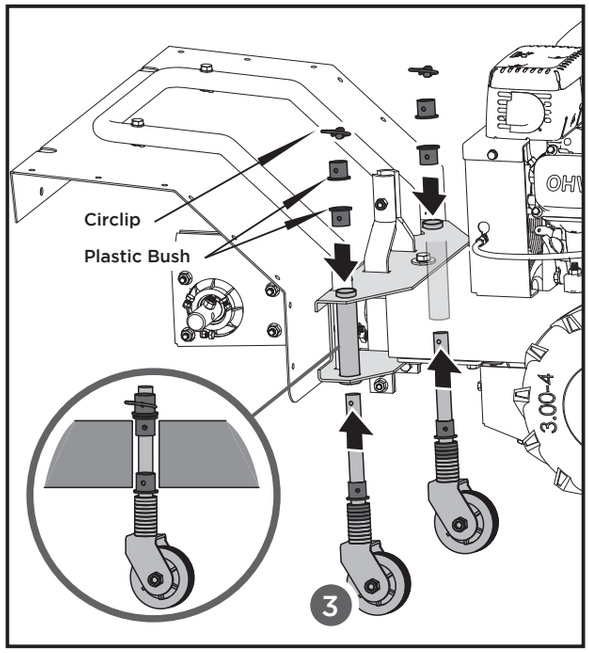
Guard Plate & the Support Pipe



1. Insert the ends of the support pipe into the holes in the front stand weldment as shown.
2. Put the guard plate onto the gearbox bracket.
3. Align the holes in the back plate of the guard plate with the holes in the front panel of the front stand weldment, and the holes in the support pipe, secure them with the M8x45 bolts, flat washers and lock nuts.
4. Secure the cover with the support pipe on the top side by inserting two M8x50 bolts with flat washer from the top through the holes in the pipe. A nut should be placed between the pipe and the plate cover at each position. Thread one lock nut on each bolt from the under of the cover, tighten.

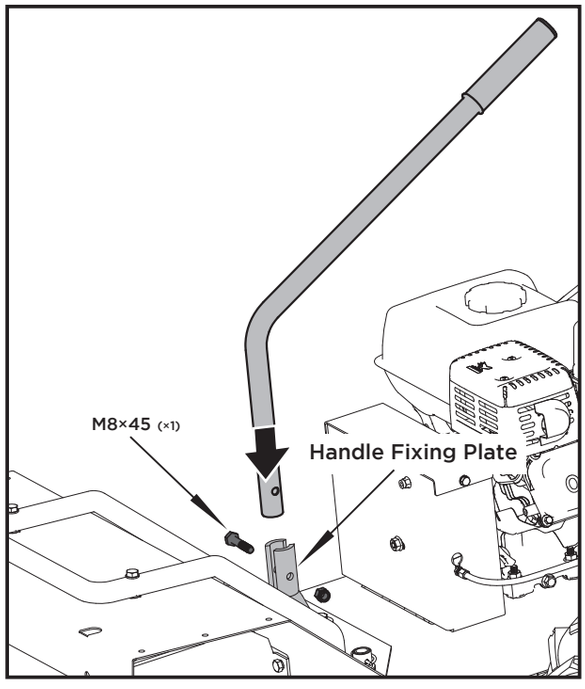
Guide Wheel





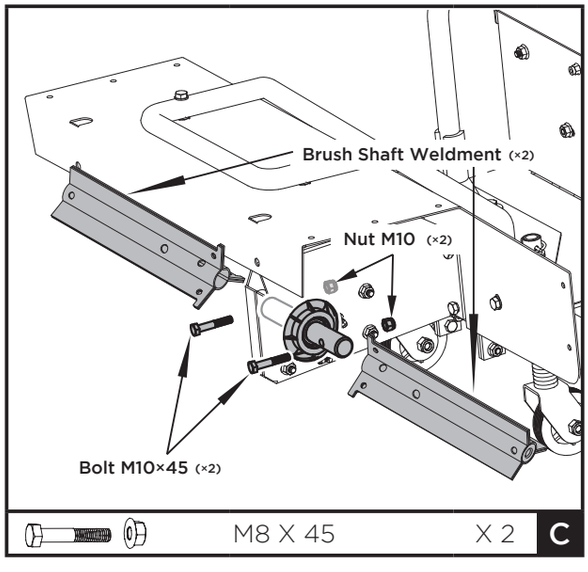
1. Remove the linch pin from the axle head. Take out the two plastic bushings and the 4 rings as shown. The guide wheel should fall out, if not, tap it lightly with a rubber hammer.
2. Remove the plastic bushing on the wheel shaft, slide all the 10 rings on the shaft. Install the removed plastic bushing back.
3. Install back the guide wheel onto the bracket.
4. Slide one bushing on the wheel shaft from the top and press it into the wheel tube, then slide the third bushing on the wheel shaft, make sure slide the bushings on the shaft with their direction as shown.
5. Align the hole in the wheel shaft with the hole in the last bushing, secure them with the linch pin.
6. Follow the same step to install the second guide wheel.

Steering Handle



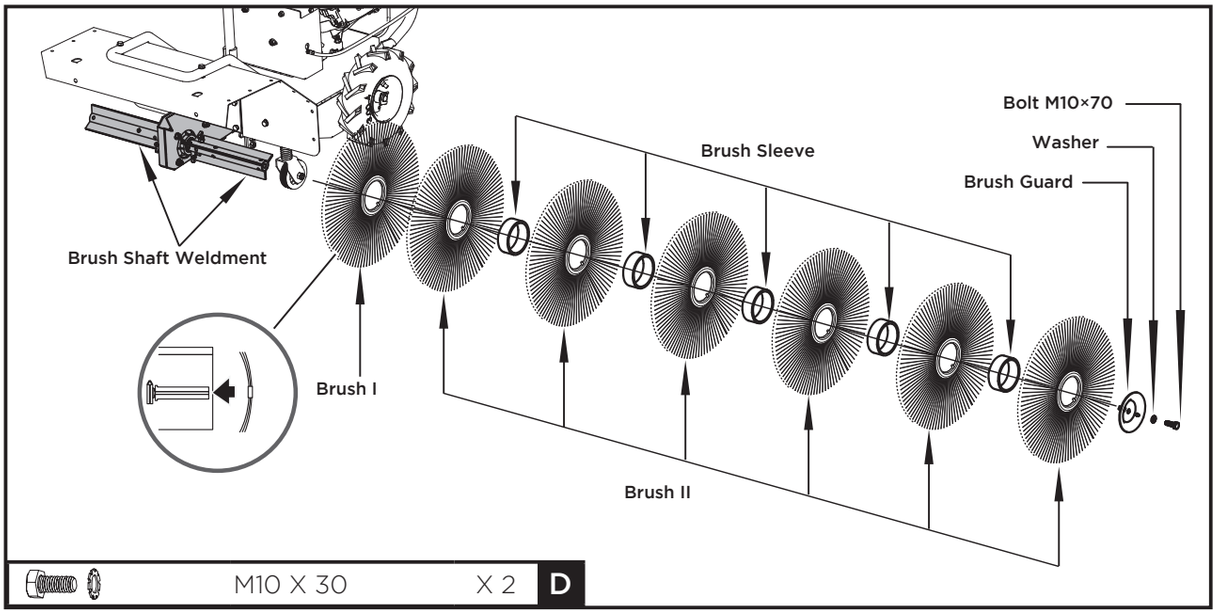
1. Remove the M8x45 bolt and lock nut from the product, and set aside for later.
2. Insert the steering handle into the tube of the fixing plate, align the hole in the handle with the hole in the tube, reinstall the previously removed M8x45 bolt and nut.

Brush Shaft Weldment



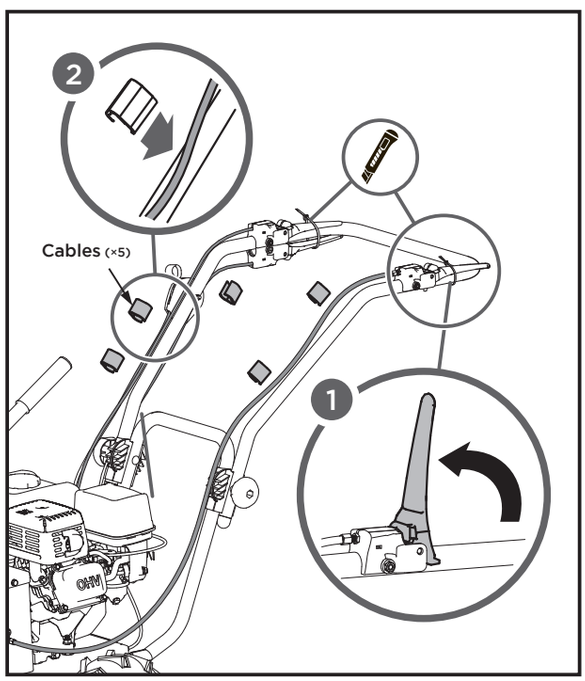
Tilt the machine back making sure it is properly supported. Slide the brush shaft welment onto the driving shaft, align the holes in the shafts, secure with the M8x45 bolt and nut.

Brush



1. Slide the curved brush onto the brush shaft weldment, with the curved opening facing the drive shaft, and then slide on the remaining six flat brushes. Make sure one brush sleeve must be attached between each flat brush.
2. Align the hole in the brush guard with the hole in the extension shaft, secure using the M10x30 bolt with washer.
3. Repeat the same steps for the other side.

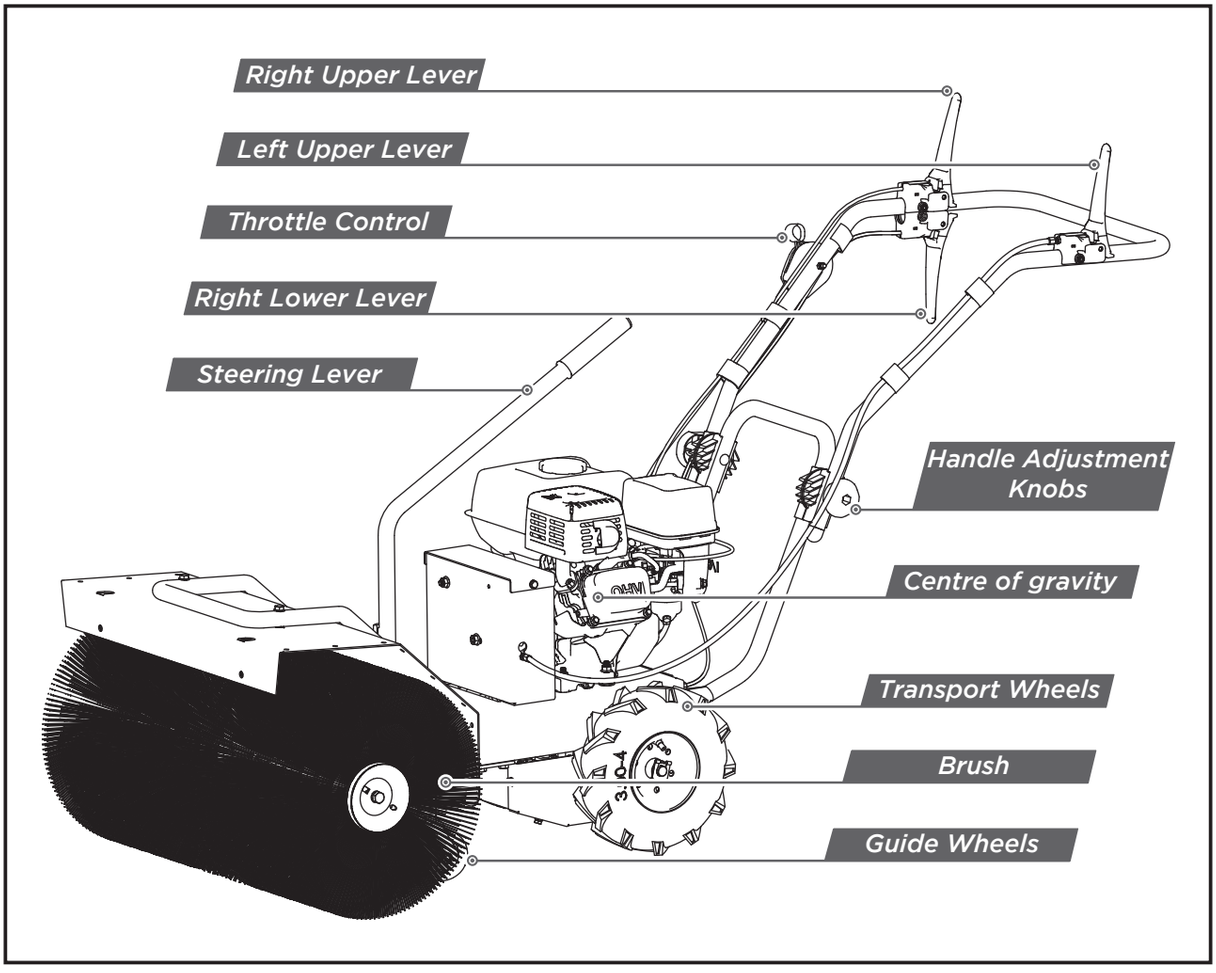
Cable Fixing



1. Remove the control lever ties.
2. Secure all loose cables against the handle bar with the buckles to prevent cable damage.

KNOW YOUR SWEEPER

Features and Controls



Right upper lever

It controls forward movement. It engages and disengages engine rotation from transmission. Pressing it is “Drive” mode and releasing it is “Stop” mode. Press it to make machine move forwards. Release it to make machine stop.

Right lower lever

It controls reverse movement. It engages and disengages engine rotation from transmission. Pressing it is “Drive” mode and releasing it is “Stop” mode. Press it to make machine move backwards. Release it to make machine stop.

Left upper lever

It controls the brush operation. Press it to start brush rotation. Release it to stop brush rotation.

Throttle control

It controls engine speed. Put the throttle level on low speed or high speed or an intermediary position between low speed and high speed to increase or decrease the speed of engine.

Gauge wheels

They play a role of supporting and turning the machine and also for adjusting the height of the brush.

Steering lever

It controls the direction of the brush. Press steering lever and swing the brush 20 degrees to right side or left side.

Brush

It sweeps and removes snow, leaves, dirt, light gravel and other materials from packing lots, sidewalks and other surfaces.

Transport wheels

They move the power sweeper to any desired location.

Handle Adjustment Knobs

It provides different handle heights to make driving position comfortable with the controls positioned ergonomically.

Loosen both handle adjustment knobs, and pivot handle forward or backward to desired height, and then tighten the adjustment knobs securely.

Sweeper Operation

Adding fuel

Fill the fuel tank as instructed in the separate Engine Manual packed with the machine.

> ⚠ ***Fill tank to no more than 12.5mm (1/2") below the bottom of the filler neck to provide space for expansion.***

Engine oil

> ***Oil has been drained for shipping.***
>
> ⚠ ***Failure to fill engine sump with oil before starting engine will result in permanent damage and will void engine warranty.***

> ⚠ ***Please note that Power Sweeper is supplied without fuel or oil in the engine.***

Add oil according to **Engine Manual** packed separately with your unit.

Starting engine

A more detailed description of the engine operation and all related precautions and procedures can be found in the Engine Manual packed separately with the minitransporter.

Follow the procedure below for cold starts:

1. Turn the fuel valve lever on the engine to the ON position.
2. Turn the choke lever on the engine to the CLOSE position.
3. Set the throttle lever on the upper handle at halfway position.
4. Pull the starting rope slowly several times to allow the gasoline to flow into the engine's carburetor. Then hold the start handle firmly and pull rope out a short distance until you feel some resistance. Then pull the rope smoothly and briskly, and allow rope to return gently. Do not let the rope snap back. If necessary, pull the rope several times until the engine starts.
5. Allow the engine to run for several seconds to warm up. Then, gradually move chock lever to "OPEN" position.

Restarting an engine that is already warm from previous running does not normally require use of the choke.

1. Set the throttle lever on the upper handle at half- way position.
2. Hold the start handle firmly and pull rope out a short distance until you feel some resistance. Then pull the rope smoothly and briskly, and allow rope to return gently. Do not let the rope snap back.

Operating

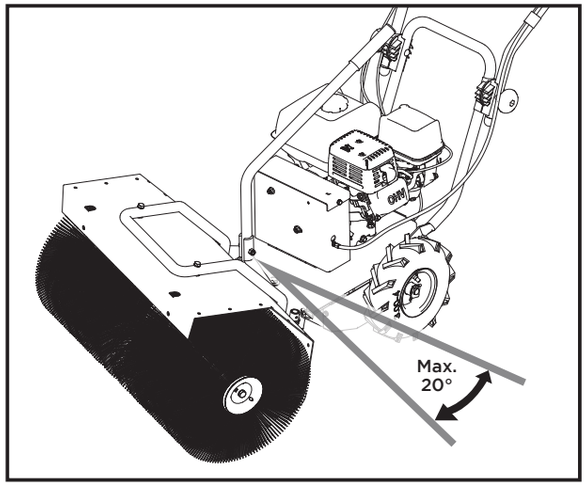
After engine warms up, pull throttle lever to accelerate engine speed.

Push down the left upper lever to activate the brush rotation.

Push down the right upper lever to move forwards or pull up the right lower lever to move backwards.

The Power Sweeper is equipped with a dead man's handle, which means that when you release the levers, the brush and machine stop.

In case of accidents you should release the levers as quickly as possible and stop the engine.



The brush can be swung 20 degrees to either side. Press the steering lever; turn the brush to the desired angle, release the steering lever and the catch will fall correctly into place.

Idle speed

Set throttle control lever to its “SLOW” position to reduce stress on the engine when working is not being performed. Lowering the engine speed to idle the engine will help extend the life of the engine, as well as conserve fuel and reduce the noise level of the machine.

Stopping engine

To stop the engine in an emergency, simply turn the engine switch to the OFF position. Under normal conditions, use the following procedure.

1. Move the throttle lever to the SLOW position.
2. Let engine idle for one or two minutes.
3. Turn the engine switch to the OFF position.
4. Turn the fuel valve lever to the OFF position.

Do not move chock lever to the CLOSE position to stop engine. Backfire or engine damage may occur.

MAINTENANCE

A proper maintenance and lubrication will help the machine in a perfect working condition.

Preventive maintenance

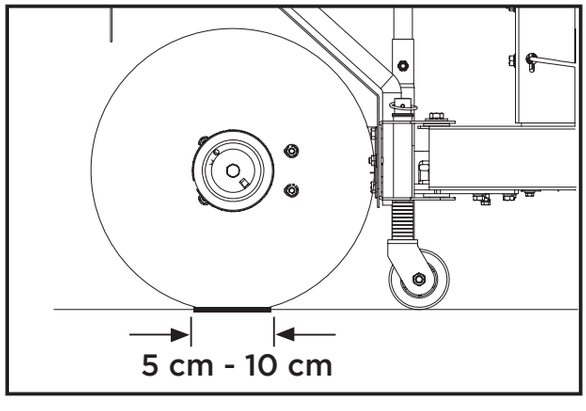
Turn off engine and disengage all command levers. Engine must be cool.

Inspect the general condition of the unit. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation.

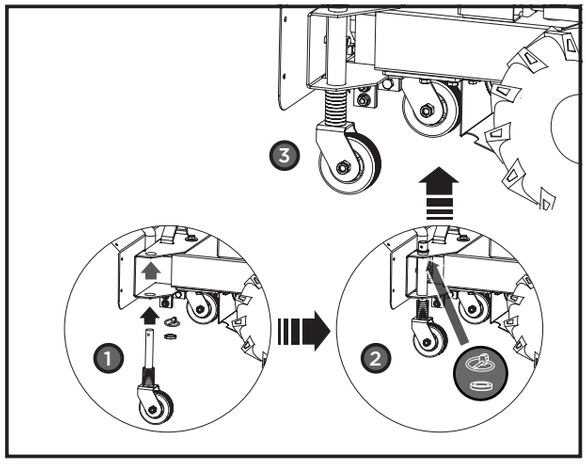
Remove all debris and other materials that may have accumulated to the brush. Clean after each use. Then use a premium quality lightweight machine oil to lubricate all moving parts.

Never use a “pressure washer” to clean your unit. Water can penetrate tight areas of the machine and its transmission case and cause damage to spindles, gears, bearings, or the engine. The use of pressure washers will result in shortened life and reduce serviceability.

Adjusting Height of guide wheels and brush



Once the brush gets worn it is necessary to adjust the height of the brush .i.e. how close it is to the surface to sweep. This adjustment takes place by adjustment of gauge wheels. The brush has two adjustable gauge wheels. The vertical adjustment of the gauge wheels is done by the placement of a series of plastic rings above or below the mounting tube. The suggested adjustment for the gauge wheels is the point at which the brush sweeps 5cm or 10cm of surface area when the machine is parked. The number of top and lower plastic rings is to be the same for both sides.



Dismount the gauge wheels and remove one plastic ring from the bottom (Illus.No.1).Mount the wheels again (Illus.No.2). This lift up the gauge wheels and the brush will come closer to the surface. Finally, mount the plastic ring, sleeve and locking ring (Illus.No.3).

Adjusting levers

As levers get worn, it could have a wider opening, being so uneasy to use. This means that it is necessary to adjust the cables, set levers on their original positions and tighten up.

Lubrication

The gearbox is pre-lubricated and sealed at the factory.

Check oil level every 50 hours of working. Remove the plug and check, with machine horizontal, oil reaches the two notches. If necessary, add the oil.

Use portable tool lithium #0 grease such as Lubriplate 6300AA , Lubriplate GR-132, or Multifak, e.g. EP-O.

Oil must be replace when engine is stopped and warm by unscrewing filler cap and plug equipped with an oil dipstick. When oil is completely drained, replace filler cap and fill up with fresh oil.

Engine maintenance

Refer to the **Engine Manual** included in your unit for the information on engine maintenance. Your engine manual provides detailed information and a maintenance schedule for performing the tasks.

STORAGE

If the power sweeper will not be used for a period longer than 30 days, follow the steps below to prepare your unit for storage.

1. Drain the fuel tank completely. Stored fuel containing ethanol or MTBE can start to go stale in 30 days. Stale fuel has high gum content and can clog the carburetor and restrict fuel flow.
2. Start the engine and allow it to run until it stops. This ensures that no fuel is left in the carburetor. Run the engine until it stops. This helps prevent gum deposits from forming inside the carburetor and possible engine damage.
3. While the engine is still warm, drain the oil from the engine. Refill with fresh oil of the grade recommended in the Engine Manual.
4. Use clean cloths to clean off the outside of the machine and to keep the air vents free of obstructions.

Do not use strong detergents or petroleum based cleaners when cleaning plastic parts. Chemicals can damage plastics.

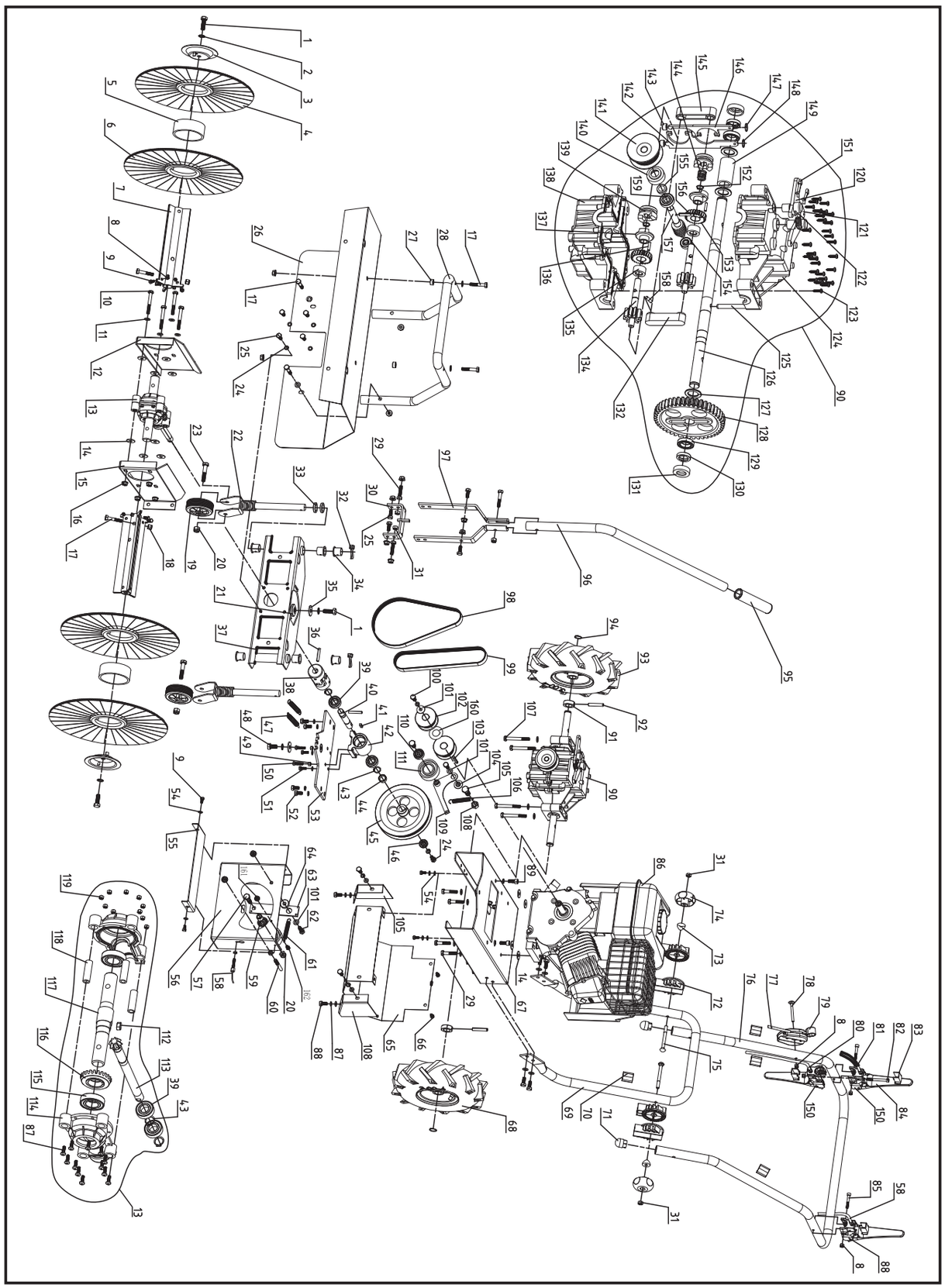
5. Inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts.
6. Store your unit on flat ground in a clean, dry building that has good ventilation.

Do not store the machine with fuel in a non-ventilated area where fuel fumes may reach flame, sparks, pilot lights or any ignition sources.

TROUBLE SHOOTING

Problem	Cause	Remedy
Engine fails to start.	1. Spark plug wire disconnected. 2. Out of fuel or stale fuel. 3. Choke not in open position. 4. Blocked fuel line. 5. Fouled spark plug. 6. Engine flooding.	**1. Attach spark plug wire securely to spark plug.** **2. Fill with clean, fresh gasoline.** **3. Throttle must be positioned at choke for a cold start.** **4. Clean the fuel line.** **5. Clean, adjust gap, or replace.** **6. Wait a few minutes to restart, but do not prime.**
Engine runs erratically.	1. Spark plug wire loose. 2. Unit running on CHOKE. 3. Blocked fuel line or stale fuel. 4. Vent plugged. 5. Water or dirt in fuel system. 6. Dirty air cleaner. 7. Improper carburetor adjustment.	**1. Connect and tighten spark plug wire.** **2. Move choke lever to OFF.** **3. Clean fuel line. Fill tank with clean, fresh gasoline.** **4. Clear vent.** **5. Drain fuel tank. Refill with fresh fuel.** **6. Clean or replace air cleaner.** **7. Refer to Engine Manual.**
Engine overheats.	1. Engine oil level low. 2. Dirty air cleaner. 3. Air flow restricted. 4. Carburetor not adjusted properly.	**1. Fill crankcase with proper oil.** **2. Clean air cleaner.** **3. Remove housing and clean.** **4. Refer to Engine Manual.**
Power Sweeper does not sweep while engine is running.	1. The brush is blocked by the dirt and debris. 2. Belt slack or worn. 3. The left upper lever loosen or worn.	**1. Stop engine and pull off the spark plug, and then remove the dirt and debris.** **2. Have slack belt tightened. Have worn belt replaced.** **3. Have loosen lever tightened. Have worn lever replaced.**
Power Sweeper does not drive along.	1. Coupling cable for drive system not adjusted correctly. 2. Belt slack or worn. 3. Tire worn.	**1. Adjust coupling cable.** **2. Have slack belt tightened. Have worn belt replaced.** **3. Have worn tire replaced.**
Excessive vibration	Loose parts or damaged worm.	**Stop engine and pull off the spark plug, and then tighten loose bolts and nuts and have damaged worm repaired.**

PARTS SCHEDULE



Sweeper Parts List

No.	Description	Q'ty
1	Bolt M10X30	3
2	Washer 10	4
3	Brush Guard	2
4	Brush II	12
5	Brush Sleeve	10
6	Brush I	2
7	Brush Shaft Weldment	2
8	Nut M6	10
9	Blot M6X12	8
10	Blot M8X65	4
11	Washer 8	22
12	Gear Holder - Left	1
13	Gear Box	1
14	Washer 8	12
15	Gear Holder- Right	1
16	Nut M8	28
17	Blot M8X45	7
18	Nut M8	3
19	Guiding Wheel	2
20	Nut M10	3
21	Washer-Upper	1
22	Guiding Fork	2
23	Blot M10X50	2
24	Spring Washer 8	12
25	Blot M8X20	14
26	Guard Plate	1
27	Guard Sleeve	2
28	Syphon	1
29	Blot M8X40	6
30	U Shape Plate	1
31	Nut M8	7
32	Circlips	2
33	Plastic Washer	20
34	Plastic Bushing	6
35	Washer 10	2
36	Round Pin 6X40	2
37	Front Stand Weldment	1
38	Gimbal Joints	1
39	Bearing 6003	4
40	Shaft	1

No.	Description	Q'ty
41	Key A 5X20	1
42	Bearing House	1
43	Circlip	4
44	Bushing	1
45	Pulley	1
46	Washer	1
47	Swing Spring	2
48	Blot M10X20	2
49	Nut M6	3
50	Blot M6X25	2
51	Blot M6X16	2
52	Blot M8X16	4
53	Steering Fixing Plate Weldment	1
54	Washer 6	6
55	Cover Board	1
56	Tensioner Stand	1
57	Bolt M10X40	1
58	Clutch Cable	1
59	Bushing	1
60	Screw	1
61	Spring	1
62	blot M8X30	1
63	Tensioner Fixing Plate II	1
64	Washer	1
65	Driving Assy Guard	1
66	Blot M6X12	4
67	Engine Base	1
68	Wheel - Left	1
69	Pusher Support	1
70	Line Card 25	5
71	Round Block	2
72	Handle Bar Adjuster	4
73	Arc Spacer	2
74	Wing Nut	2
75	Blot M8X85	2
76	Handle	1
77	Throttle Cable	1
78	Blot M6X60	1
79	Throttle Control Assy	1
80	32520 Clutch Cable I	1

No.	Description	Q'ty
81	32520 Clutch Cable	1
82	Screw M6X60	1
83	Clutch Lever Cover	3
84	Clutch Lever	3
85	screw M6X40	2
86	Engine	1
87	Screw M5X16	12
88	Clutch Lever Base	1
89	Screw M8X20	2
90	Driving Assy	1
91	Washer	2
92	Round Pin 8X45	2
93	Wheel - Right	1
94	Circlip	2
95	Handle Grip	1
96	Turning Handle	1
97	Handle Fixing Plate	2
98	Belt 8PJ685	1
99	Belt 8PJ620	1
100	Bolt 5/16"	1
101	Washer 8	3
102	Pulley	2
103	Key C4.75X45	1
104	Washer	1
105	Bolt M12.5X1.25X30	1
106	Spring	1
107	Bolt M8X70	4
108	Nut M12X1.25	1
109	Arm Pulley	1
110	Bearing 6200	2
111	Idle Pulley	2
112	Key A8X16	1
113	Bevel Gear - Small	1
114	Bevel Gear Shell	2
115	Bearing 6005	2
116	Bevel Gear - Big	1
117	Output Shaft	1
118	Bevel Gear Shell Gasket	4
119	Nut M5	12
120	Clutch Revolving Arm II	1

No.	Description	Q'ty
121	Clutch Revolving Arm I	1
122	Spring	1
123	Screw ST4.2X16	29
124	Shell	1
125	Straight Pin 8X70	1
126	Wheel Shaft	1
127	Washer	3
128	Driving Gear Wheel	1
129	Bearing 61804	2
130	Oil Seal A19X27X6	2
131	Oil Seal Retainer	2
132	Worm Bearing Seat I	1
133	None	N/A
134	Driving Gear Wheel	2
135	Worm Shaft Sleeve	2
136	Straight Pin 4X18	2
137	Jaw Clutch I	2
138	Shell II	1
139	Jaw Clutch II	2
140	Worm Bearing Seat	1
141	Gearbox Belt Pulley	1
142	Fork I	1
143	Fork Crown Cover	2
144	Clutch Band Spring	2
145	Worm Bearing Seat II	1
146	Fork II	1
147	O-ring 11.8X1	1
148	O-ring 14X1	1
149	Driving Shaft Sleeve	1
150	Clutch Lever Base w/ Hole	2
151	Cotter Pin 4X25	2
152	Circlips for Shaft 12	2
153	Worm Wheel	2
154	Bearing 608	1
155	Oil Seal A12X19X5	1
156	Round Pin 5X30	1
157	Worm Gear	1
158	Pin 5x18	2
159	Bearing 6001	1
160	Washer	3
161	Lock Nut M6	1
162	Bolt M6x25	1

Super Handy

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SIZE:216x291mm 157g双铜 REV 04/06/21