YARDMAX

Power Sweeper

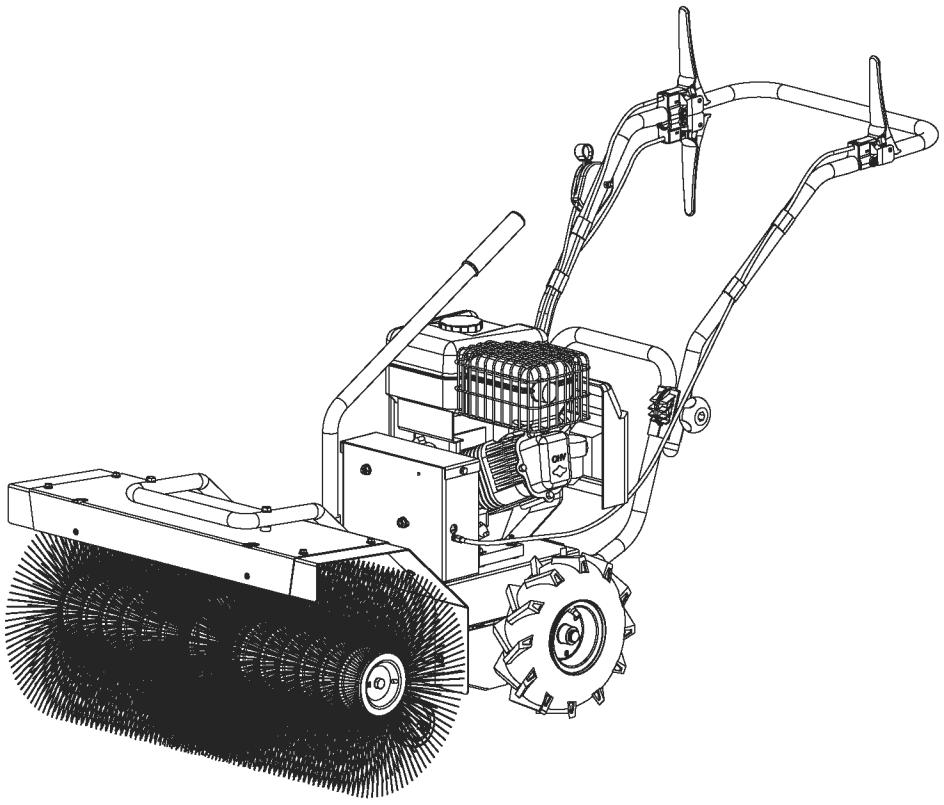
Operator's Manual

MODEL NUMBER
YP7065

SERIAL NUMBER

PURCHASE DATE

Both model number and serial number may be found on the main label. You should record both of them in a safe place for future use.



FOR YOUR SAFETY

READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE OPERATING MACHINE

Tame the Great Outdoors®

Your new YARDMAX® power sweeper offers quality construction, and is easy and safe to operate. With proper use and care, it is designed to give you many years of dependable service.

Prepare to experience the durability to take on any job with the ease, portability, and convenience of your new power sweeper!

Discover the YARDMAX Advantage

At YARDMAX, we understand that land ownership definitely has its privileges, but it also comes with a great deal of responsibility. When duty calls and you need to respond, will you have what it takes to tame the great outdoors?

When looking for outdoor power equipment (OPE) to get the job done right, at the right price, YARDMAX delivers the perfect combination of performance and practicality. YARDMAX has a solution that's right for you.

MAX Performance, MAX Value, MAX Support — that's YARDMAX

- ✓ Backed by decades of proven manufacturing expertise
- ✓ Enhanced design features come standard
- ✓ Engineered for the best user experience
- ✓ Quality metal parts are used instead of plastic
- ✓ A robust warranty supports all products
- ✓ Budget-friendly prices make it practical

YARDMAX®

Up for the job? YARDMAX is.

TABLE OF CONTENTS

Carefully read through this entire operator's manual before using your new unit. Pay attention to all cautions and warnings.

This unit is a gasoline engine driven power sweeper. It is a durable, versatile and efficient machine, able to conveniently clean and clear debris and light snow. It is easy and safe to operate. With proper use and care, it should give you many years of dependable service.

ENGINE MANUAL

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/operator's manual, packed separately with your unit, for more information.

EMISSION CONTROL SYSTEM

This equipment or its engine may include exhaust and evaporative emission control system components required to meet U.S. Environmental Protection Agency (EPA) and/or California Air Resources Board (CARB) regulations. Tampering with emission controls and components by unauthorized personnel may result in severe fines or penalties. Emission controls and components can only be adjusted by an authorized engine manufacturer's service center.

CALIFORNIA PROPOSITION 65 WARNING

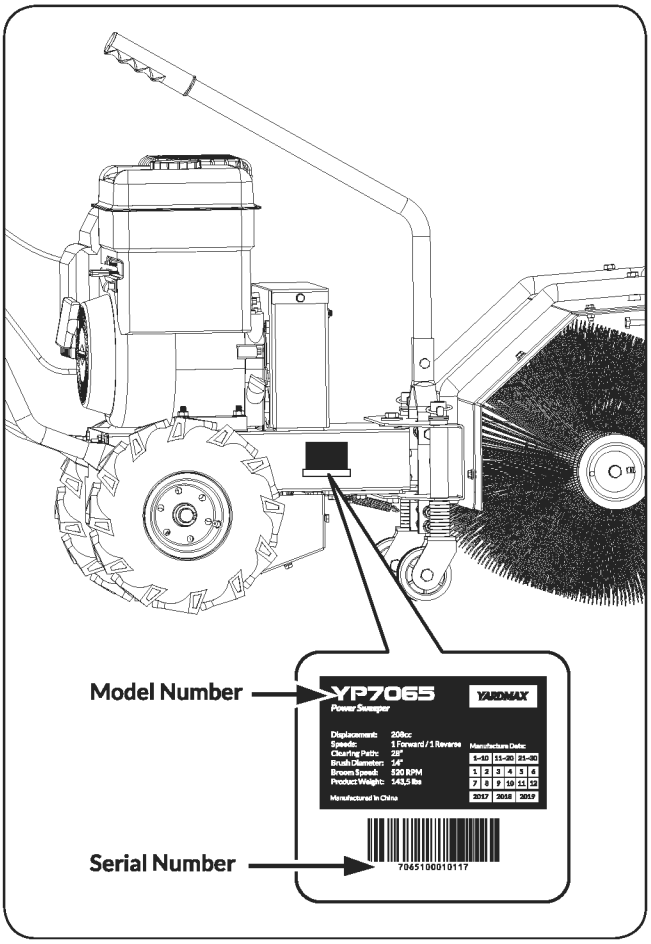
Engine exhaust, some of its constituents and certain product components contain or emit chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

ENVIRONMENTAL

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses, and packaging should be taken to the local recycling center and disposed of in an environmentally safe way.

MODEL AND SERIAL NUMBERS

Record the model and serial number as well as date and place of purchase for future reference. Have this information available when ordering parts, optional accessories and when making technical or warranty inquiries.

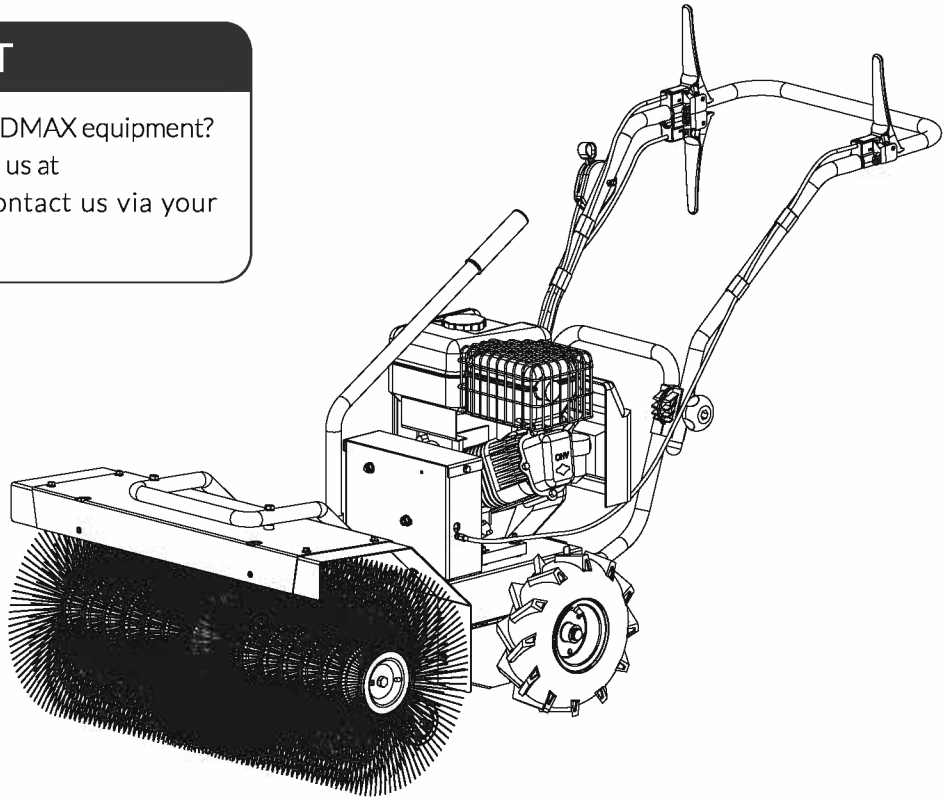


DISCLAIMER

YARDMAX reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your unit.

SUPPORT

Have questions about your YARDMAX equipment? Call us at 844-YARDMAX, email us at support@yardmax.com, or contact us via your favorite social media site.



SPECIFICATIONS

Model Number	YP7065
Engine	Briggs & Stratton
Displacement	208cc
Torque (ft-lbs, gross)	9.50
Start Type	Recoil
EPA/CARB Approval	Yes
Clearing Path	28"
Brush Diameter	14"
Product Weight	143.5 lbs
Speeds	1 Forward / 1 Reverse
Broom Speed	520 RPM
Tires	10.5" x 4"

SYMBOLS

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

Read these instructions carefully.

Wear eye protection.

Wear hearing protection.

Wear safety footwear.

Wear protective gloves.

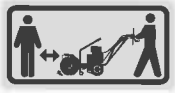
Do not remove or tamper with the protection and safety devices.

Do not touch parts that are hot from operation. Serious burns may result.

No smoking, sparks, or flames.

Keep your feet away from moving parts.

Thrown objects.



Keep children and bystanders off and away.

SAFETY

GENERAL SAFETY RULES

UNDERSTAND YOUR MACHINE

Read this manual and labels affixed to the machine to understand its limitations and potential hazards.

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.

If the unit is to be used by someone other than original purchaser or loaned, rented, or sold, always provide this manual and any needed safety training before operation. The user can prevent and is responsible for accidents or injuries that may occur to themselves, other people, and property.

Do not force the machine. Use the correct machine for your application.

PERSONAL SAFETY

Do not permit children to operate this machine at any time.

Keep children, pets, and other people not using the unit away from the work area. Be alert and shut off unit if anyone enters work area. Keep children under the watchful care of a responsible adult.

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, or 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.

Protect eyes, face, and head from objects that may be thrown from the unit. Always wear safety goggles or safety glasses with side shields when operating.

Wear appropriate hearing protection.

Always keep hands and feet away from all moving parts during operation. Moving parts can cut or crush body parts.

Always keep hands and feet away from all pinch points.

Do not touch parts that might be hot from operation. Allow parts to cool before attempting to maintain, adjust, or service.

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 times. This enables better control of the machine in unexpected situations.

INSPECT YOUR MACHINE

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.

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

Regularly check to see that keys and adjusting wrenches are removed from the 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.

Avoid accidental starting. Be sure the engine's switch 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 its switch on invites accidents.

If the machine should start to vibrate abnormally, stop the engine (motor) and check immediately for the cause. Vibration is generally a warning sign of trouble.

ENGINE SAFETY

This machine is equipped with an internal combustion engine. Do not use on or near, forest covered, or brush covered land unless the exhaust system is equipped with a spark arrester meeting applicable local, state, or federal laws.

In the state of California, a spark arrester is required by law. Other states have similar laws. A spark arrester, if used, must be maintained in effective working order by the operator.

Never start or run the engine 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.

Do not tamper with the engine to run it at excessive speeds. The maximum engine speed is preset by the manufacturer and is within safety limits. See engine manual.

Keep a Class B fire extinguisher on hand when operating this power sweeper in dry areas as a precautionary measure.

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 area. 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 the 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.

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

Never overfill the fuel tank. Fill the tank to no more than 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 spilled fuel. Never operate the unit without the fuel cap securely in place.

Avoid creating a source of ignition for spilled fuel. If fuel is spilled, 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.

When fuel is spilled on yourself or your clothes, wash your skin and change clothes immediately.

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 a machine with fuel in the tank inside a building where fumes may reach a spark, open flame, or any other source of ignition, such as a water heater, furnace, or clothes dryer. Allow the engine to cool before storing in any enclosure.

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.

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 a slope greater than 20°.

Do not operate the machine on a bumpy or steep road. Exercise caution to avoid slipping or falling, especially when 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 brush to proper height prior to any operation.

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

UNPACKING THE CONTAINER

Use scissors or a knife to cut all the straps. Lift off the carton and dispose of properly. (See ***Figure 1***)

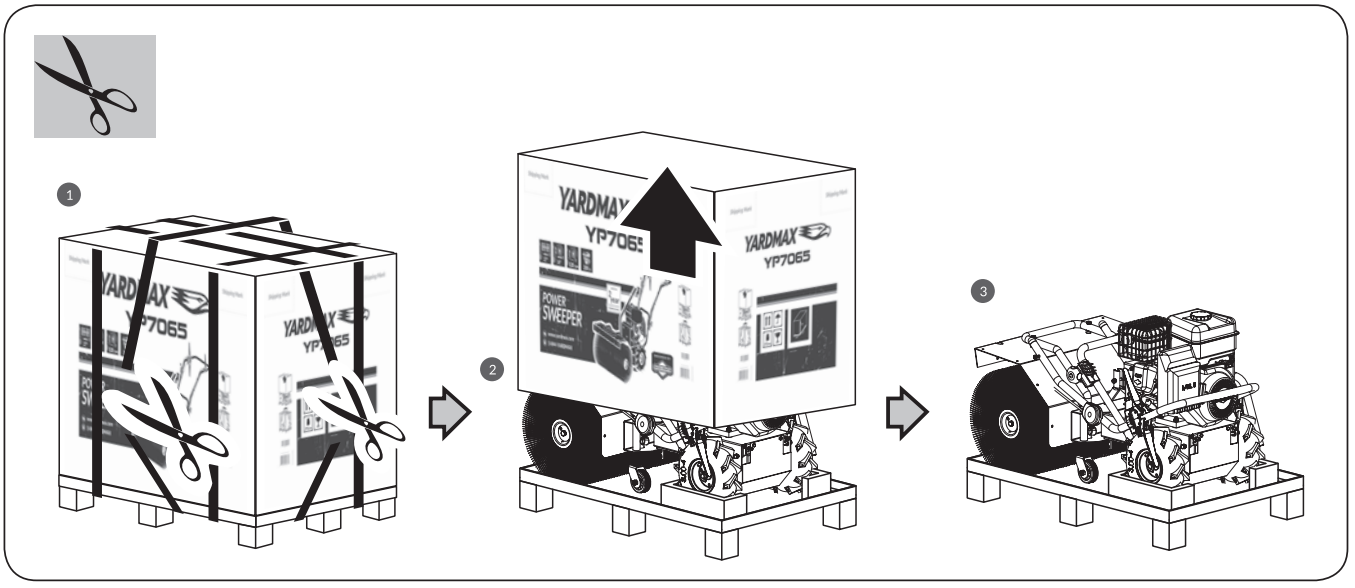
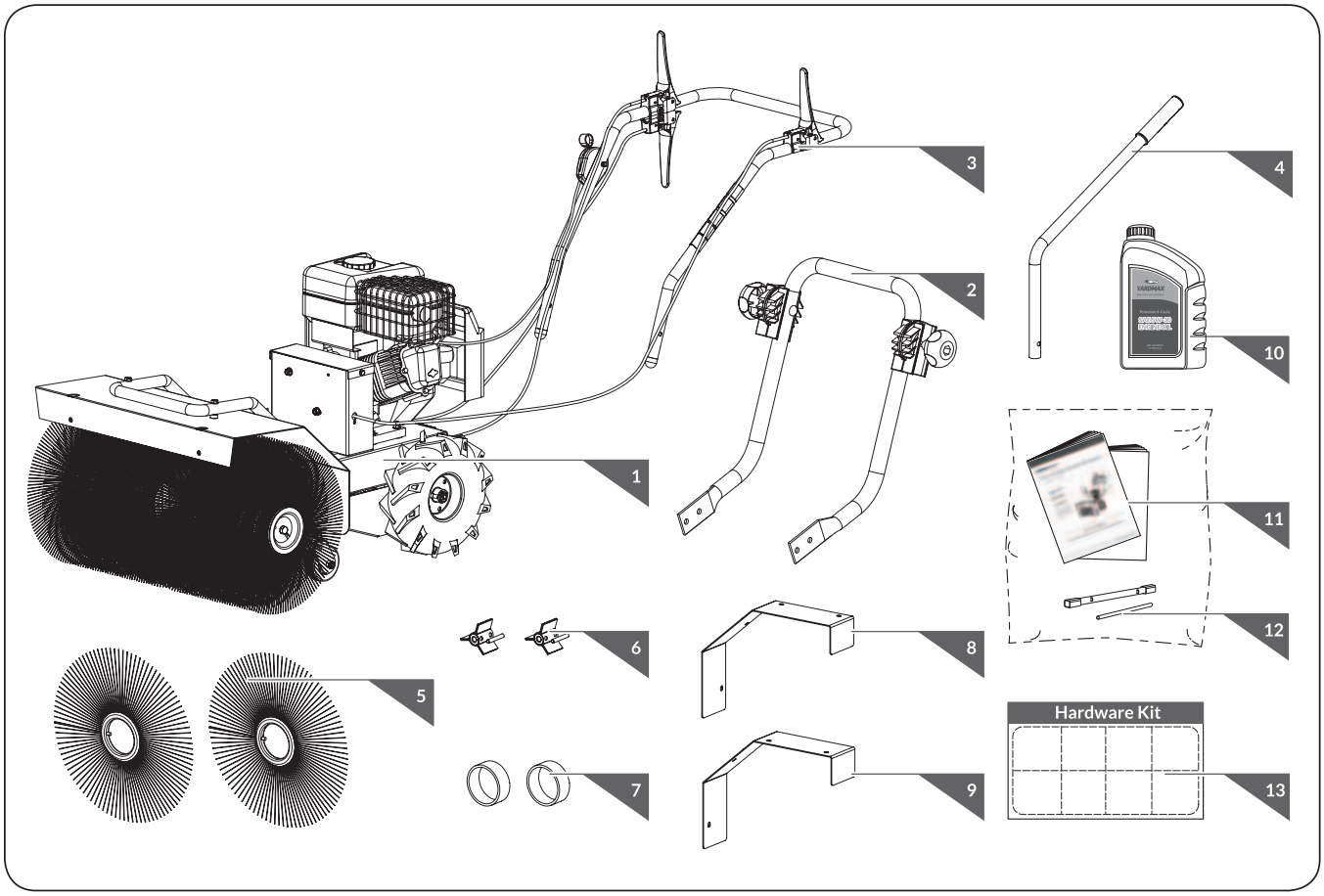


Figure 1

CONTENTS SUPPLIED

Your YARDMAX power sweeper comes partially assembled and contains the following:



1. Main Machine
2. Lower Handle
3. Upper Handle Assembly
4. Brush Direction Control Lever
5. Brush Extension
6. Extension Shaft
7. Bushing
8. Extension Cover Plate (Right)
9. Extension Cover Plate (Left)
10. Engine Oil
11. Operator's Manual & Engine Manual
12. Tools for Spark Plug Assembly
13. Hardware Kit, Including:

	M8 X 20	X 4	1
	M10 X 70	X 2	2
	M6 X 16	X 8	3

ASSEMBLY

This power sweeper was partially assembled at the factory. To assemble your machine follow the below instructions.

LOWER HANDLE

1. A piece of foam of power sweeper packaging placed under gearbox housing is recommended. Slide up the DK circlips from the wheel axles, disassemble the wheels.

2. 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. (See ***Figure 2***)

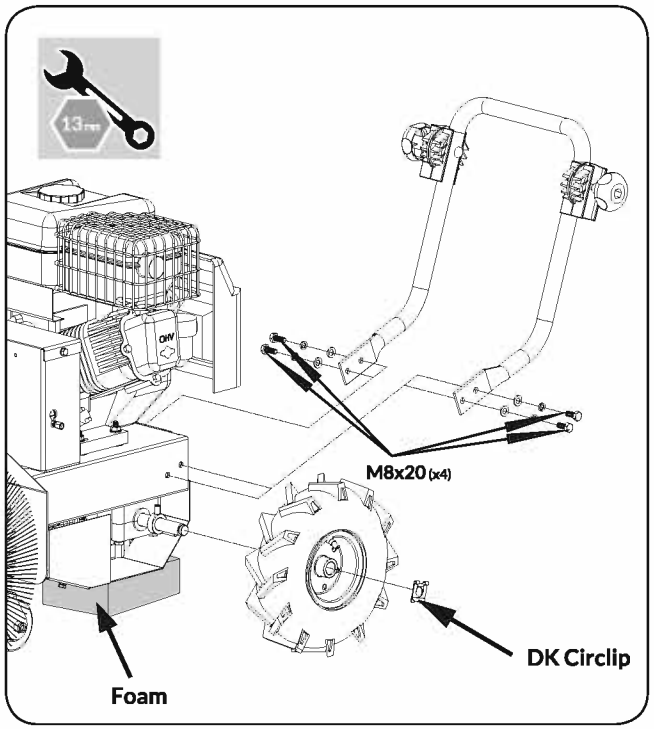


Figure 2

M8 X 20	X 4	

UPPER HANDLE

1. Disassemble the handle adjustment knobs on the lower handle, and slide the upper handle onto the outside of the lower handle. (See ***Figure 3a***)

2. Secure the two parts of the handle together with the handle adjustment knob assembly. Refer to ***Figure 3b*** for the correct order of assembly.

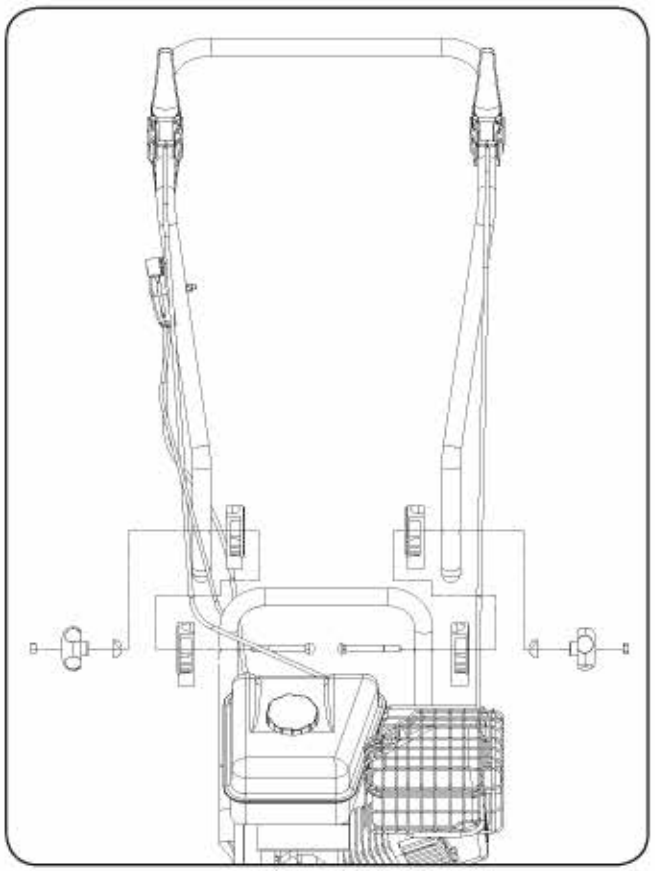


Figure 3a

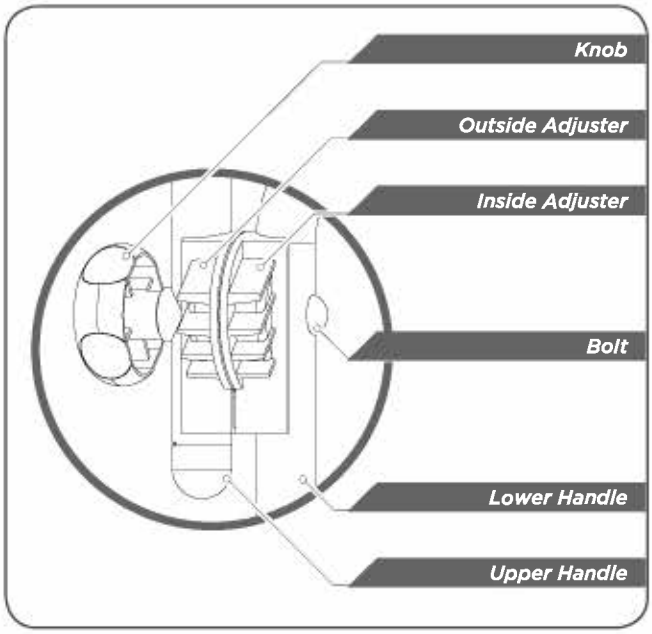


Figure 3b

3. Remove the cable clips, clipped on the upper handle, and secure all loose cables against the handle bar with the clips to prevent cable damage. (See ***Figure 3c***)

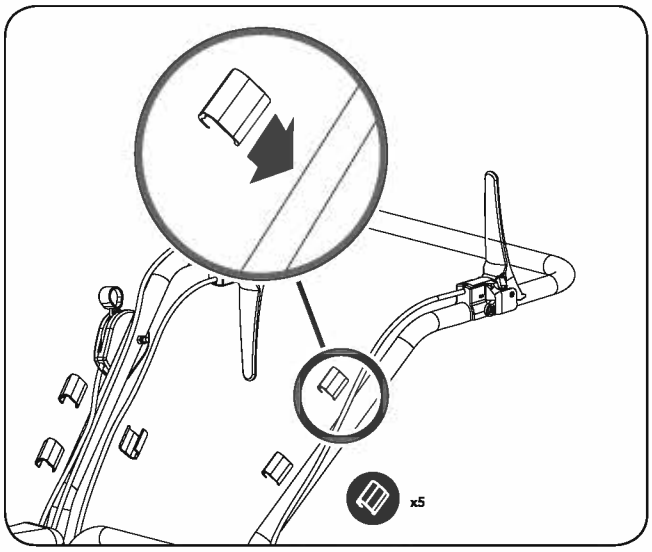


Figure 3c

BRUSH DIRECTION CONTROL LEVER

1. Remove the bolt M8x45 and nut M8 from the mounting bracket. (See ***Figure 4***)

2. Insert and align the brush direction control lever into the mounting bracket. Attach the brush direction control lever into the bracket by using bolt M8x45 and nut M8.

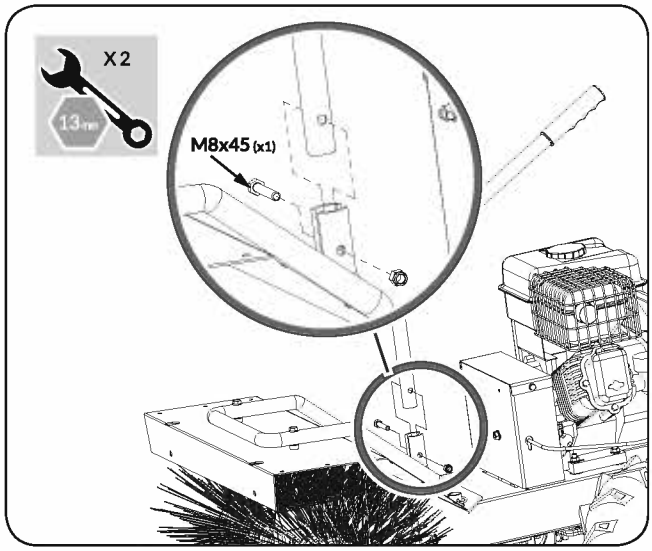


Figure 4

BRUSH EXTENSION

1. Loosen bolt M10x30 and remove this bolt, washer 10 and brush guard. (See ***Figure 5a***).

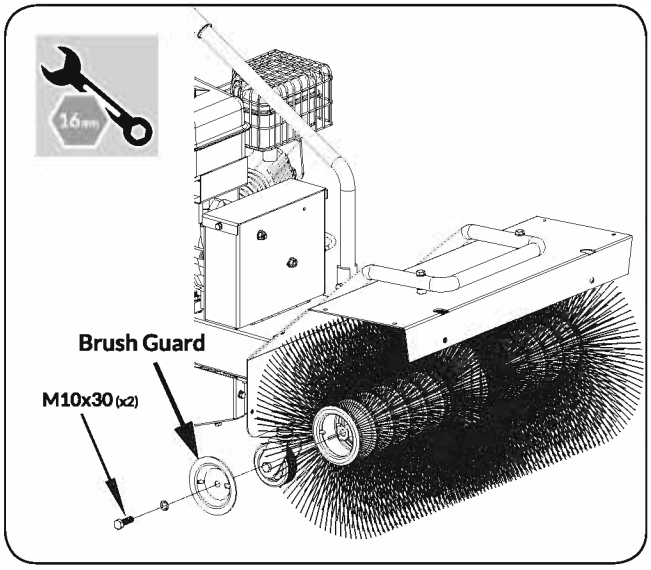


Figure 5a

2. Using the hardware kit packet #2, attach the extension shaft, bushing and brush using the M10x70 bolt. Reattach the Brush Guard onto the end of the sweeper head assembly. (See ***Figure 5b***)

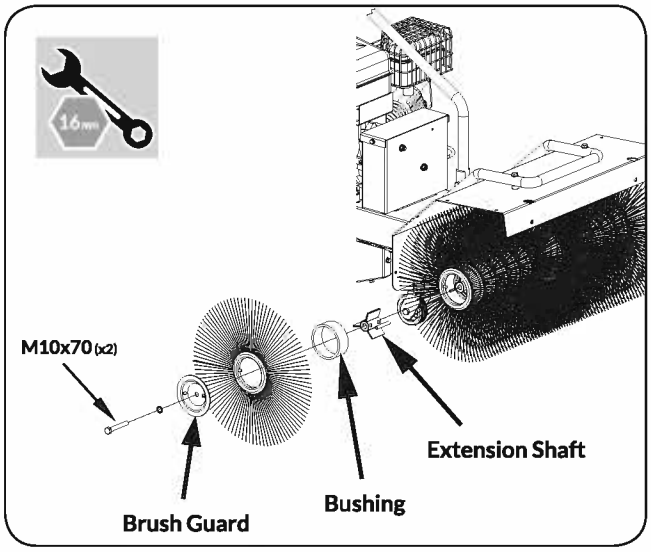


Figure 5b

	M10 X 70	X 2	2

3. Repeat this assembly process for the other side.

EXTENSION COVER PLATE

1. Align the holes in extension cover plate with holes in brush cover. Insert 4 bolts M6x16 and secure with 4 nuts M6. (See ***Figure 6***)

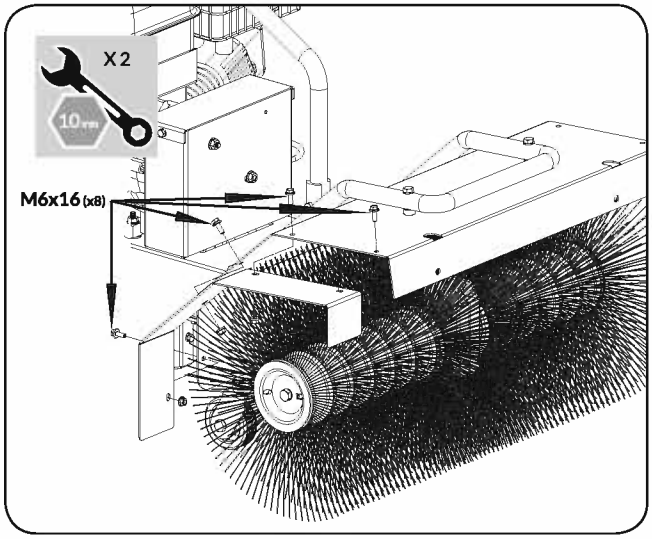


Figure 6

	M6 X 16	X 8	3

2. Repeat this assembly process for the other side.

DUST COLLECTION BUCKET (OPTIONAL)

1. Slip the mounting plate into the slots in the upper plate. (See ***Figure 7a***)

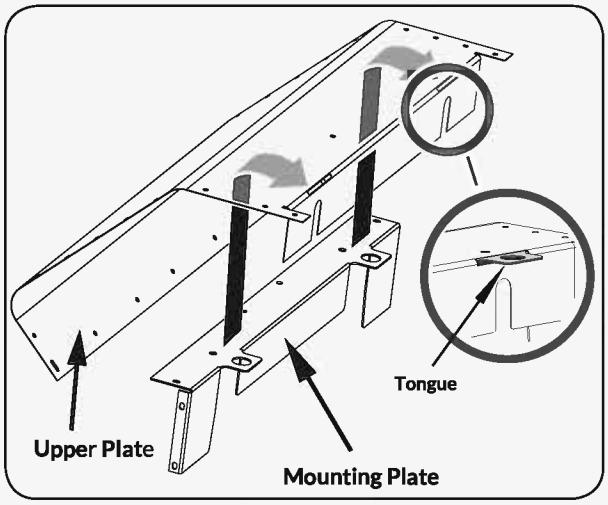


Figure 7a

2. Assemble the handle by inserting the M6x20 screws, flat washers, and nuts thru the middle holes in the upper plate. (See ***Figure 7b***)

3. Attach the upper plate and mounting plate using the M8x20 bolts and nuts. (See ***Figure 7b***)

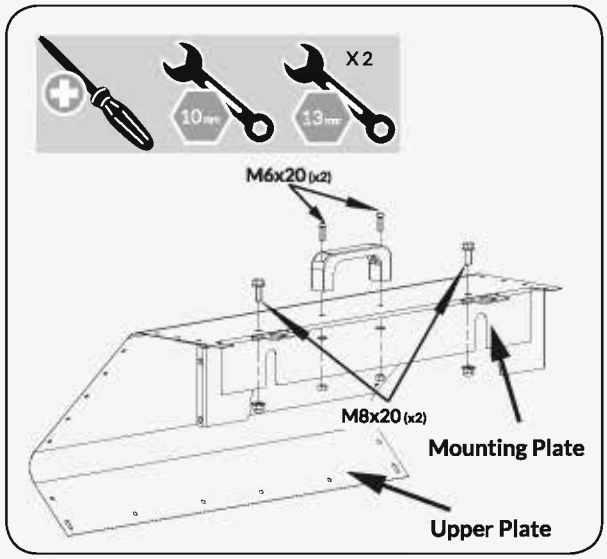


Figure 7b

	M6 X 20	X 2	4
	M8 X 20	X 2	

4. Attach the support wheels to the lower plate by M4x10 screws, flat washers, spring washers, and nuts. (See ***Figure 7c***)

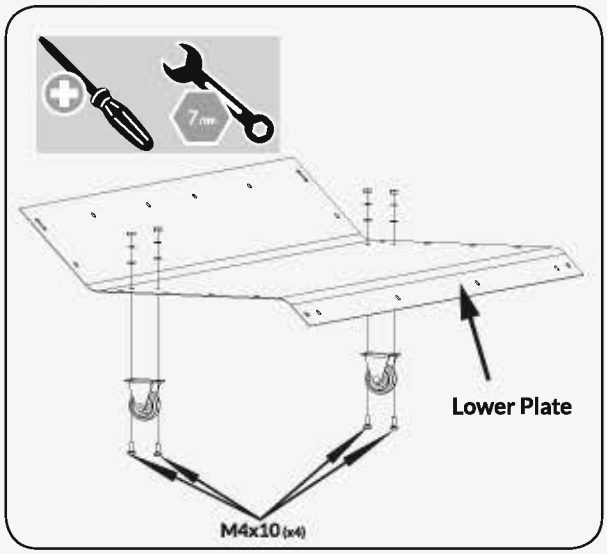


Figure 7c

	M4 X 10	X 4	5

5. Align the holes in lower plate with the holes in upper plate. Tighten both plates together by inserting the two M5x12 bolts and nuts through hole 1 and hole 4.

6. Attach the handle through hole 2 and hole 3 using the two M6x20 screws, flat washers and nuts. (See ***Figure 7d***)

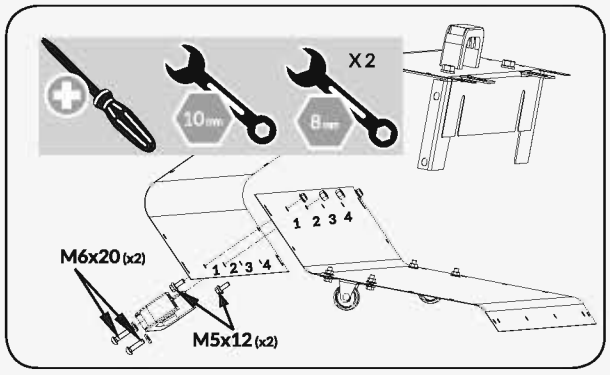


Figure 7d

	M5 X 12	X2	6
	M6 X 20	X2	

7. Align the two side-plates with main body, assemble them together using the 38 M5x12 bolts and nuts. (See ***Figure 7e***)

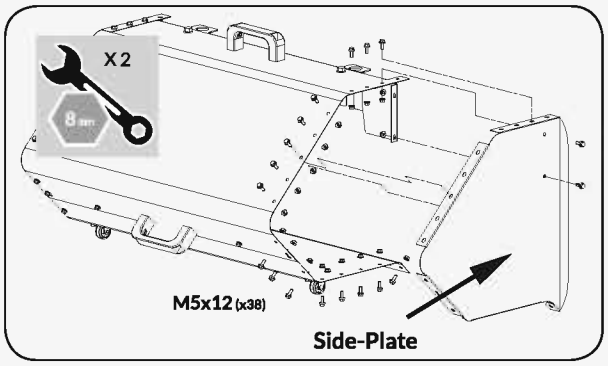


Figure 7e

	M5 X 12	X 38	7

8. Put the rubber sheet under back plate. Assemble back plate and rubber sheet with the unit. The rubber sheet is designed to hang below the back plate of the bucket to aid with collection (See ***Figure 7f***)

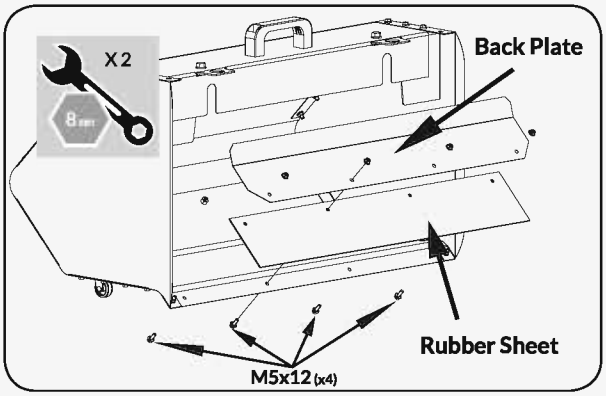


Figure 7f

	M5 X 12	X4	8

9. Attach the two pins into the guard plate using M8x45 bolts and nuts. (See ***Figure 7g***)

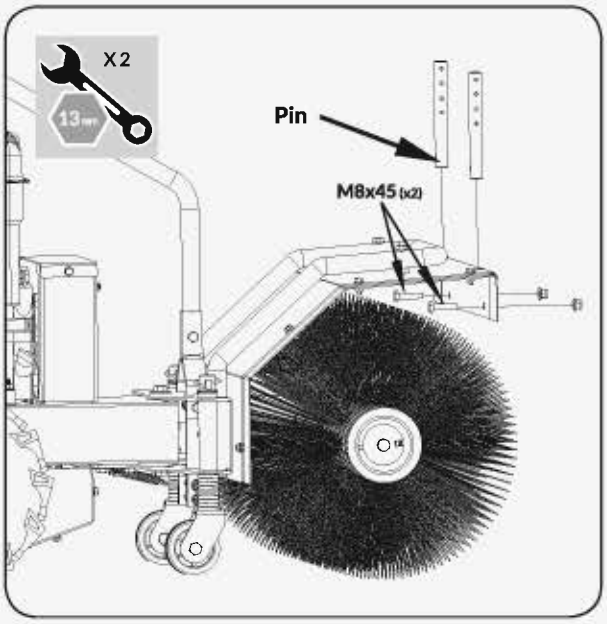


Figure 7g

	M8 X 45	X2	9

10. Hang the tongues through the pins, and secure to desired height using the bridge pins. (See ***Figure 7h***)

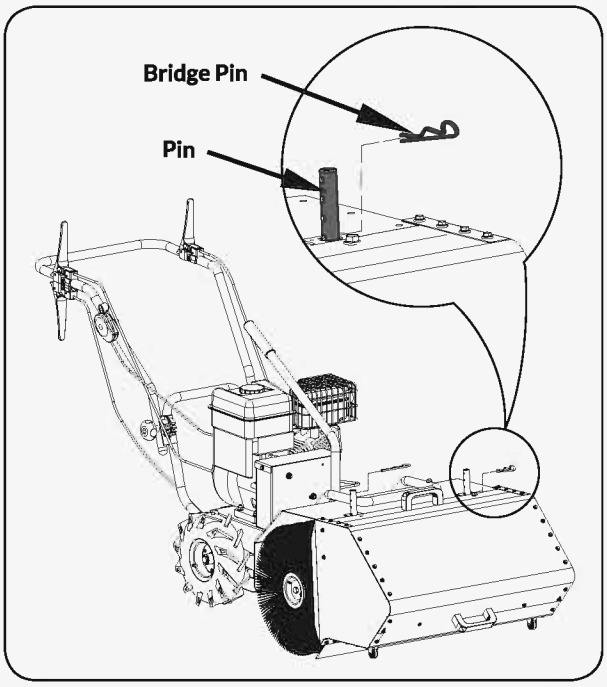
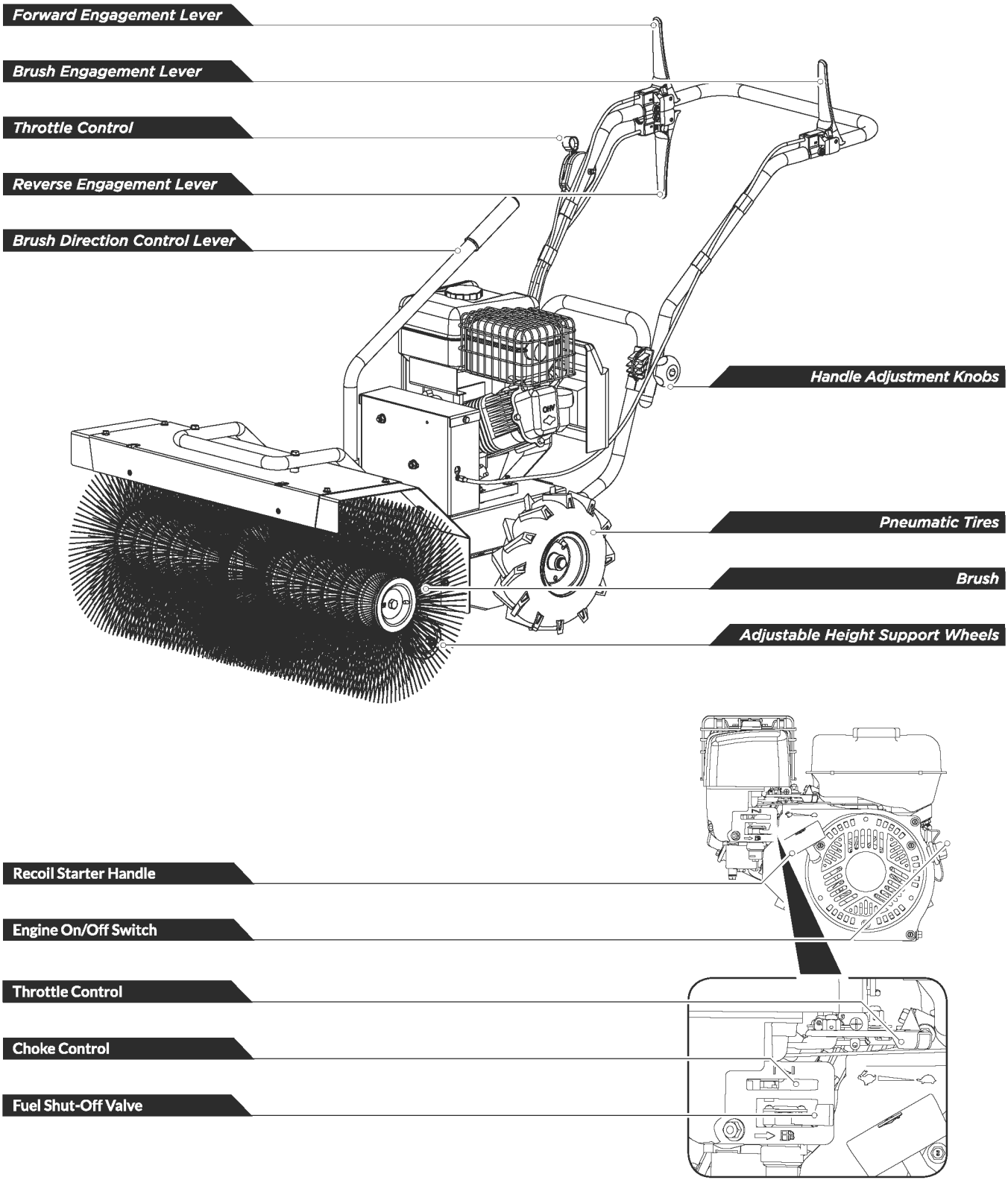


Figure 7h

KNOW YOUR MACHINE

FEATURES AND CONTROLS



FORWARD ENGAGEMENT LEVER

» It controls forward movement. It engages and disengages the engine from the transmission. Depress the lever to make the machine move forward. Release the lever to make it stop.

REVERSE ENGAGEMENT LEVER

» It controls reverse movement. It engages and disengages the engine from the transmission. Depress the lever to make the machine move backwards. Release the lever to make it stop.

BRUSH ENGAGEMENT LEVER

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

THROTTLE CONTROL

» It controls the engine and brush speed of the machine. Ensure the throttle is fully engaged when starting and adjust appropriately to clean.

PNEUMATIC TIRES

» They move the power sweeper to any desired location.

BRUSH DIRECTION CONTROL LEVER

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

BRUSH

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

ADJUSTABLE HEIGHT SUPPORT WHEELS

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

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.

RECOIL STARTER HANDLE

» The handle is used to start the engine.

FUEL SHUT-OFF VALVE

» The fuel shut – off has two position. **CLOSED** ( ) - use this position to service, transport, or store the unit.

» **OPEN** ( ) - use this position to run the unit.

CHOKE CONTROL

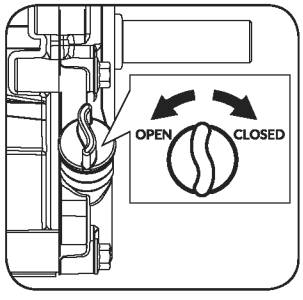
» The choke control is used to choke the carburetor and assist in starting the engine. The choke control slides between the **CHOKE CLOSED** and **CHOKE OPEN** positions.

OPERATION

The engine is shipped without oil. Do not start the engine before adding oil.

ADD OIL TO ENGINE

1. Make sure the power sweeper is on a flat, level surface.
2. Remove the oil fill cap/dipstick to add oil.



3. Using a funnel, add oil up to the **FULL** mark on the dipstick. (See engine manual for oil capacity, oil recommendation, and location of fill cap.)

DO NOT OVERFILL. Check engine oil level daily and add as needed.

ADD GASOLINE TO ENGINE

Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. Use extreme care when handling gasoline.

Fill the fuel tank outdoors, never indoors. Gasoline vapors can ignite if they collect inside an enclosure. Explosion can result.

1. The engine must be off and allowed to cool at least two minutes before adding fuel.
2. Remove the fuel filler cap and fill the tank. (See engine manual for fuel capacity, fuel recommendation, and location of fuel cap.)

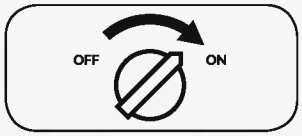
IMPORTANT: DO NOT OVERFILL!

This equipment and/or its engine may include evaporative emissions control system components, required to meet EPA and/or CARB regulations, that will only function properly when the fuel tank has been filled to the recommended level. Overfilling may cause permanent damage to evaporative emissions control system components. Filling to the recommended level ensures a vapor gap required to allow for fuel expansion. Pay close attention while filling the fuel tank to ensure that the recommended fuel level inside the tank is not exceeded. Use a portable gasoline container with an appropriately sized dispensing spout when filling the tank. Do not use a funnel or other device that obstructs the view of the tank filling process.

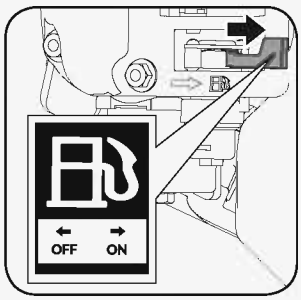
3. Reinstall the fuel cap and tighten. Always clean up spilled fuel.

STARTING ENGINE

1. Move the engine switch to the ON position.

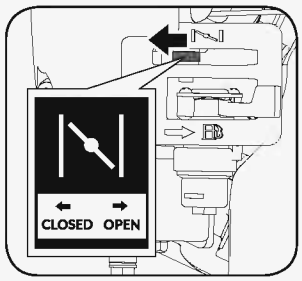


2. Open the fuel shut-off valve.



3. Move the choke lever to the CLOSED position.

» *If the engine is hot, closing the choke is not necessary.*



4. Pull the recoil starter until engine compression has become difficult to pull. Let the recoil return to the home position, then pull quickly to start the engine. Repeat steps as needed. Fully open the choke and set the throttle to the FAST position, before operating the unit.

OPERATING

» After engine warms up, adjust the throttle to adequately clean your surface.

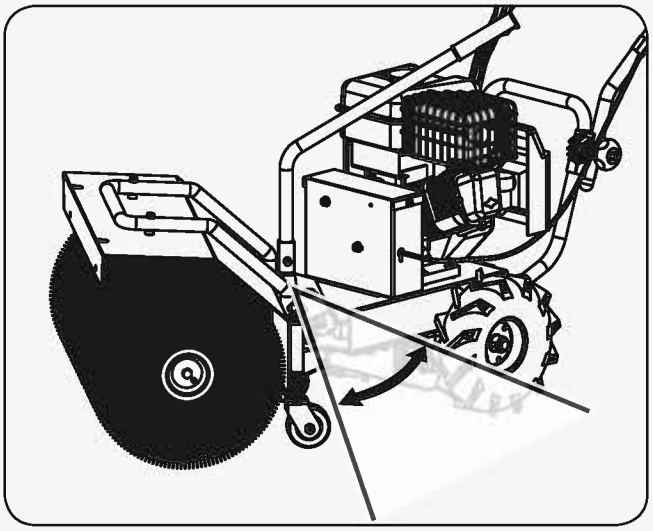
» Push down the brush engagement lever to activate the brush rotation.

» Push down the forward engagement lever to move forwards or pull up the reverse engagement 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 brush direction control 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 choke lever to the CLOSE position to stop engine. Backfire or engine damage may occur.

MAINTENANCE

Regular maintenance and lubrication will help keep your machine in perfect working condition and ensure years of trouble free use.

PREVENTIVE MAINTENANCE

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

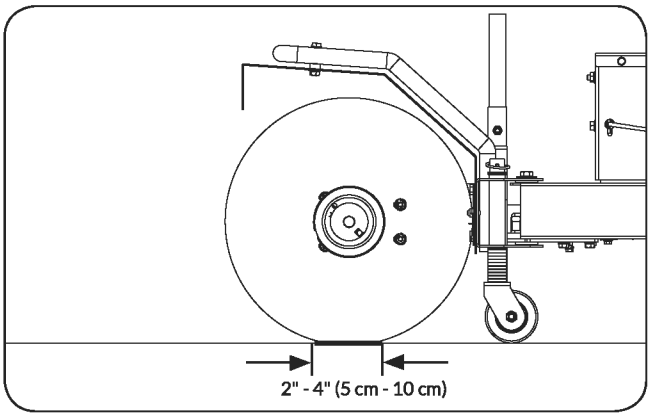
Inspect the general condition of the unit. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, and any other condition that may affect its safe operation.

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.

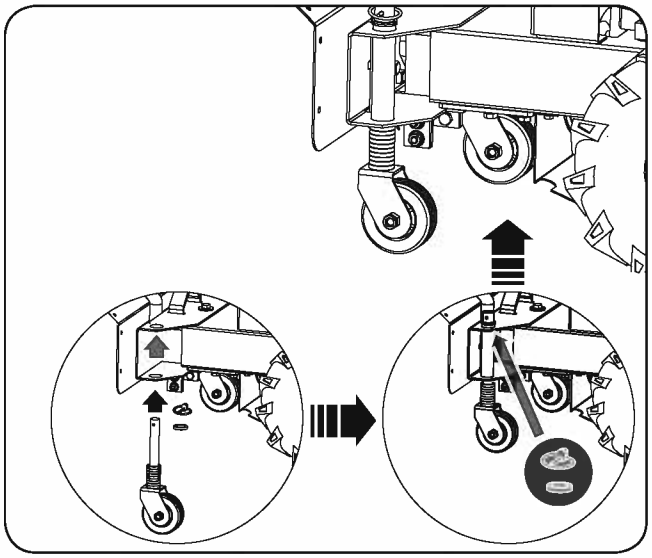
Never use a "pressure washer" to clean your unit. Water can penetrate tight areas of the machine and its transmission case and cause damage to spindles, gears, bearings, or the engine. The use of pressure washers will result in shortened life and reduce serviceability.

ADJUSTING HEIGHT OF ADJUSTABLE HEIGHT SUPPORT 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 adjustable height support wheels. The brush has two adjustable height support wheels. The vertical adjustment of the adjustable height support wheels is done by the placement of a series of plastic rings above or below the mounting tube. The suggested adjustment for the adjustable height support wheels is the point at which the brush sweeps 2 to 4 inches (5cm – 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.



1. With the machine and brush both supported remove the pin at the top of the caster wheel rod.
2. Pull the supportwheel out from the bottom of the machine.
3. Remove enough ring spacers to reach the desired level of the brush to rest.
4. Slide the supportwheel back into position from the bottom of the machine.
5. Slide the previously removed ring spacers on the top side of the wheel rod, replace the locking pin.
6. Repeat on the other side so that the brush is level.



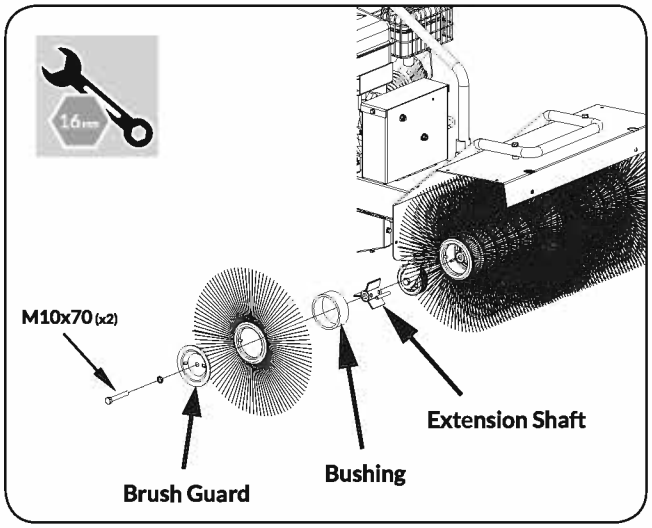
TIRE PRESSURE ADJUSTMENT

» Only use a hand pump to inflate your tires. Use of an air compressor could result in over inflation and popping of the tube. Refer to the tire side wall for maximum tire pressure rating.

HOW TO REPLACE YOUR BRUSH

1. To remove the brushes, you will need to remove the two M10x70 screws and brush guard on the right and left side.

2. Remove the brush bushing and brushes. Once the first brush bushing and brushes are removed, proceed to remove the rest of the brush bushings and brushes on the brush shaft. (Note: The last brush removed is beveled out. Be sure to install replacement brush with the beveled end out.)



3. Reassemble in reverse order.

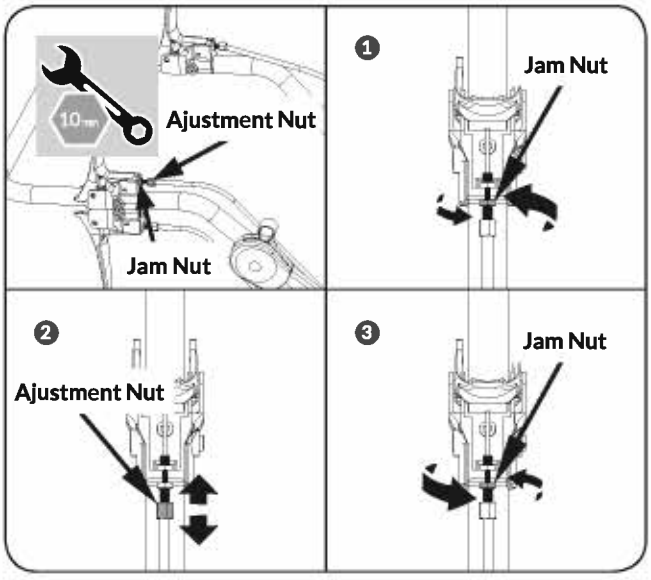
ADJUSTING LEVERS/CABLES

» As the engagement lever cables stretch you will need to tighten them to ensure comfortable operation of the levers and full engagement of the transmission & brush.

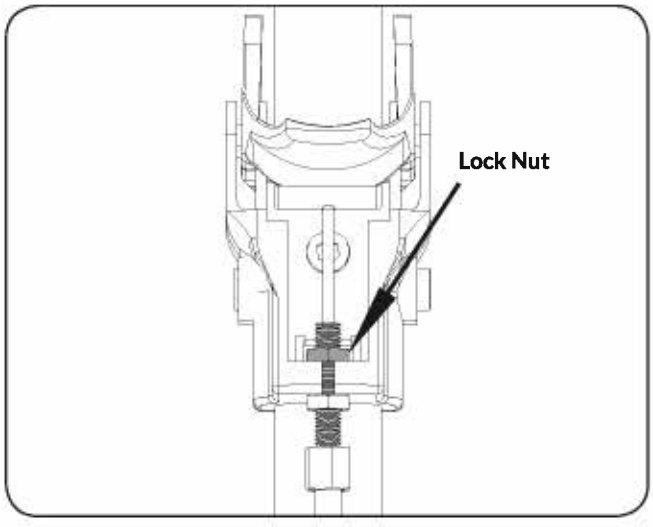
1. Standing behind the machine, loosen the jam nut by turning it counter clockwise with 10mm wrench.

2. Tighten or loosen the cable by turning the cable adjustment nut clockwise or counter clockwise with 10mm wrench until you have reached your required tightness.

3. Once tightness is set, return the jam nut against the handle to hold the cable in place.



» If your cable can not be drawn tight enough to engage the transmission or brush, please remove the handle cover to ensure the lock nut has not slipped out of its holding sleeve.

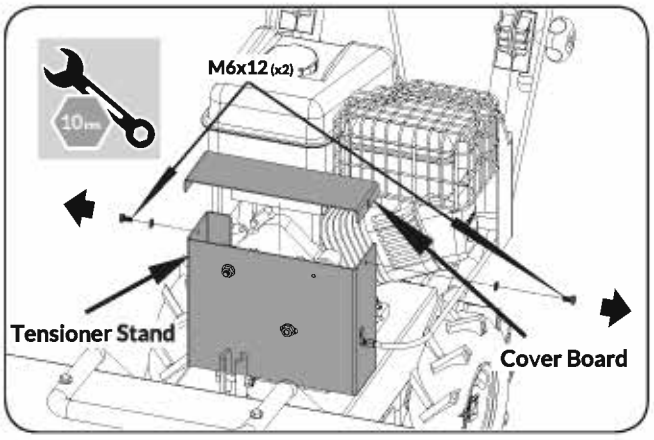


LUBRICATION

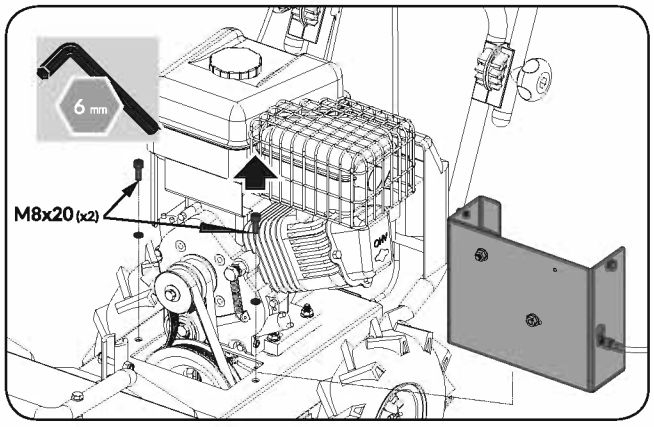
- The gearbox is pre-lubricated and sealed at the factory.
- Check oil level every 50 hours of working. Remove the plug and check, with machine horizontal, oil reaches the two notches. If necessary, add the oil.
- Use portable tool lithium #0 grease such as Lubriplate 6300AA , Lubriplate GR-132, or Multifak, 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.

HOW TO REMOVE THE BELT

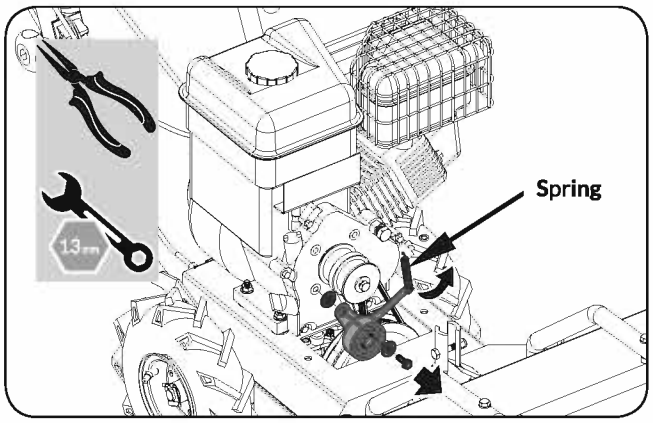
1. To gain access to the belt you will need to remove the cover board and tensioner stand. Remove the M6x12 bolt with 10mm wrench.



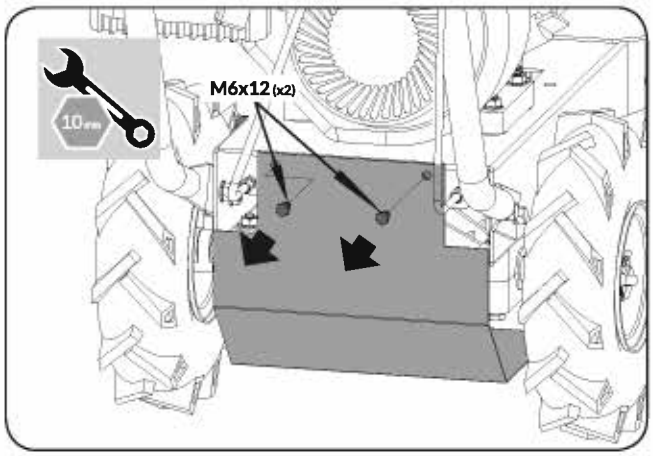
2. To remove the tensioner stand, remove the M8x20 screw with a 6mm allen wrench key on the right and left side. Remove the whole housing and place it on the side of the unit.



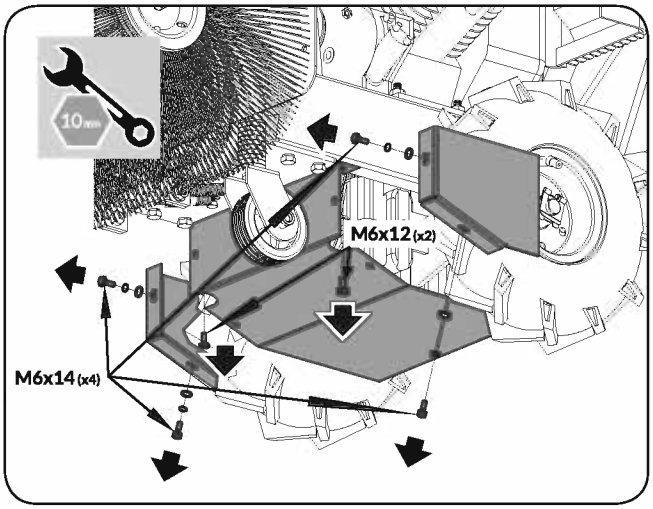
3. The spring will need to have the tension released. Using a long needle-nose pliers remove the spring from the arm pulley; Remove the 5/16-24UNF hex bolts with 13mm wrench, then remove the tensioner pulley.



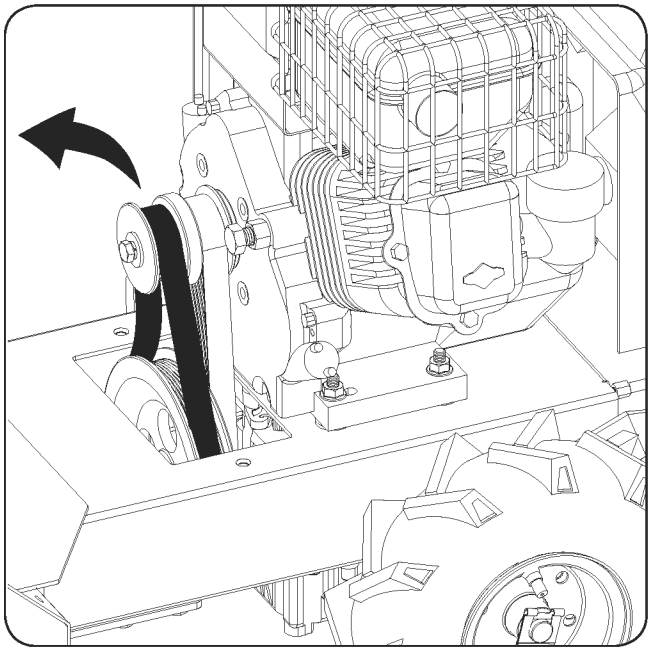
4. To gain access to the belts beneath the unit. Remove the driving gear guard. Remove the two rear M6x12 bolts, with a 10mm wrench.



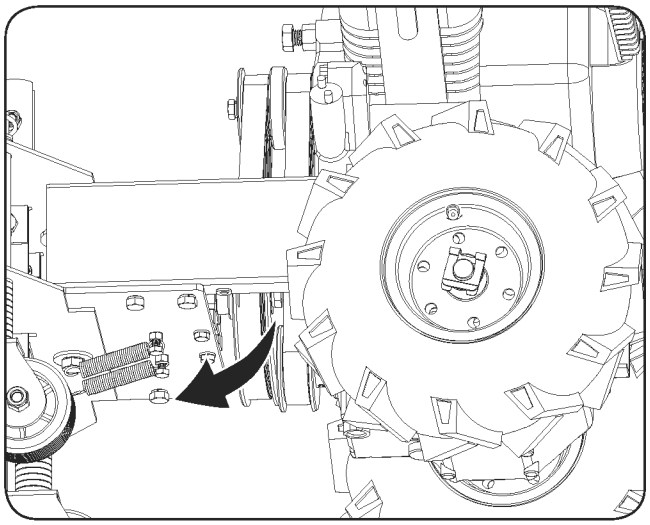
5. Tilt the machine gently, remove each two M6X14 bolts right and left side driving gear guard and remove the parts.
6. Remove the two front M6x12 bolts with a 10mm wrench, then slide the driving gear guard out underneath the wheel.



7. Remove the drive belt off the front small pulley.



8. You will need to twist the belt so the flat side of the belt will slide in between the pulleys, and take it off from the bottom.



9. Repeat process to remove the second belt.

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 run 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.*

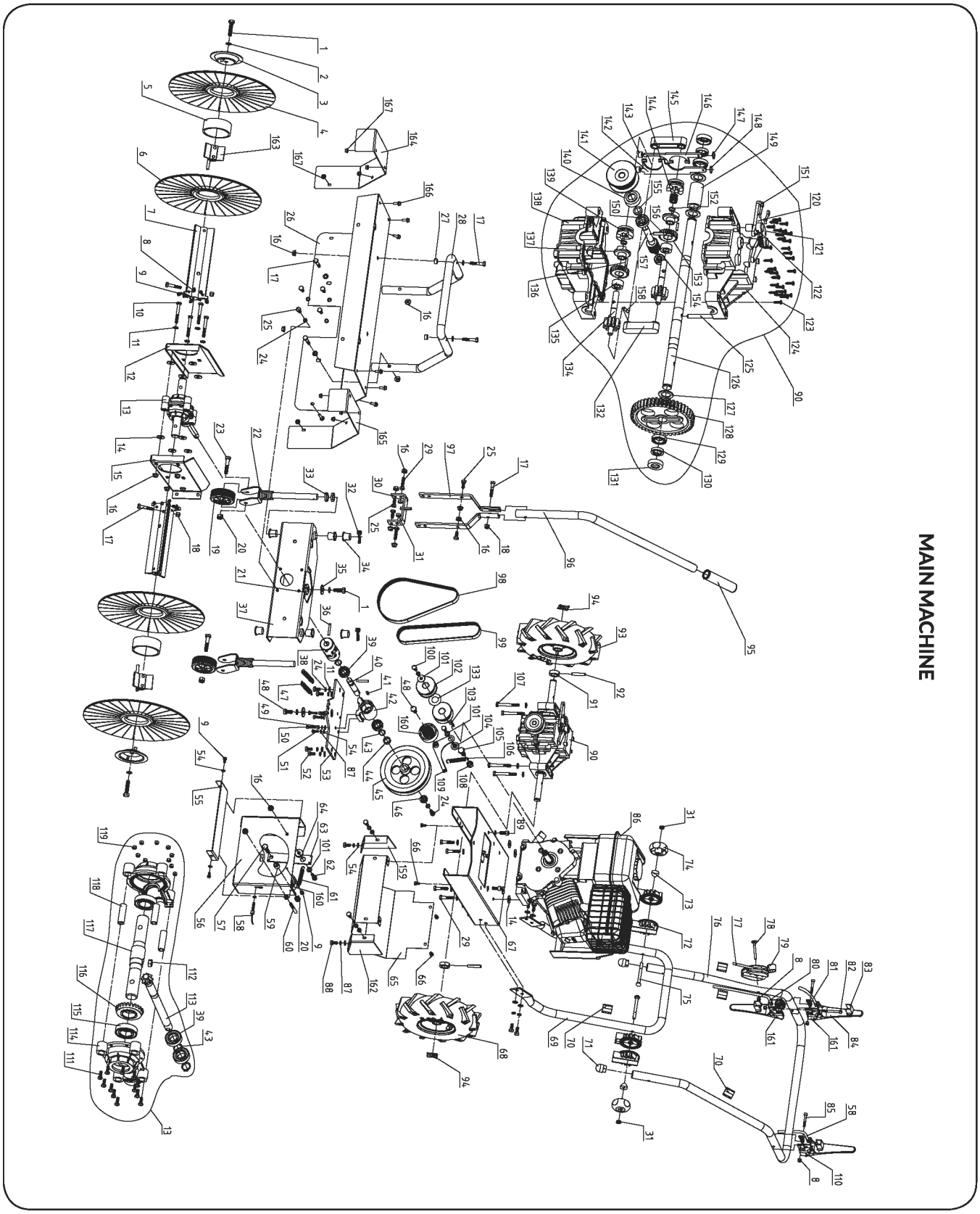
5. Inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts.
6. Store your unit on flat ground in a clean, dry building that has good ventilation.

⚠ *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.*

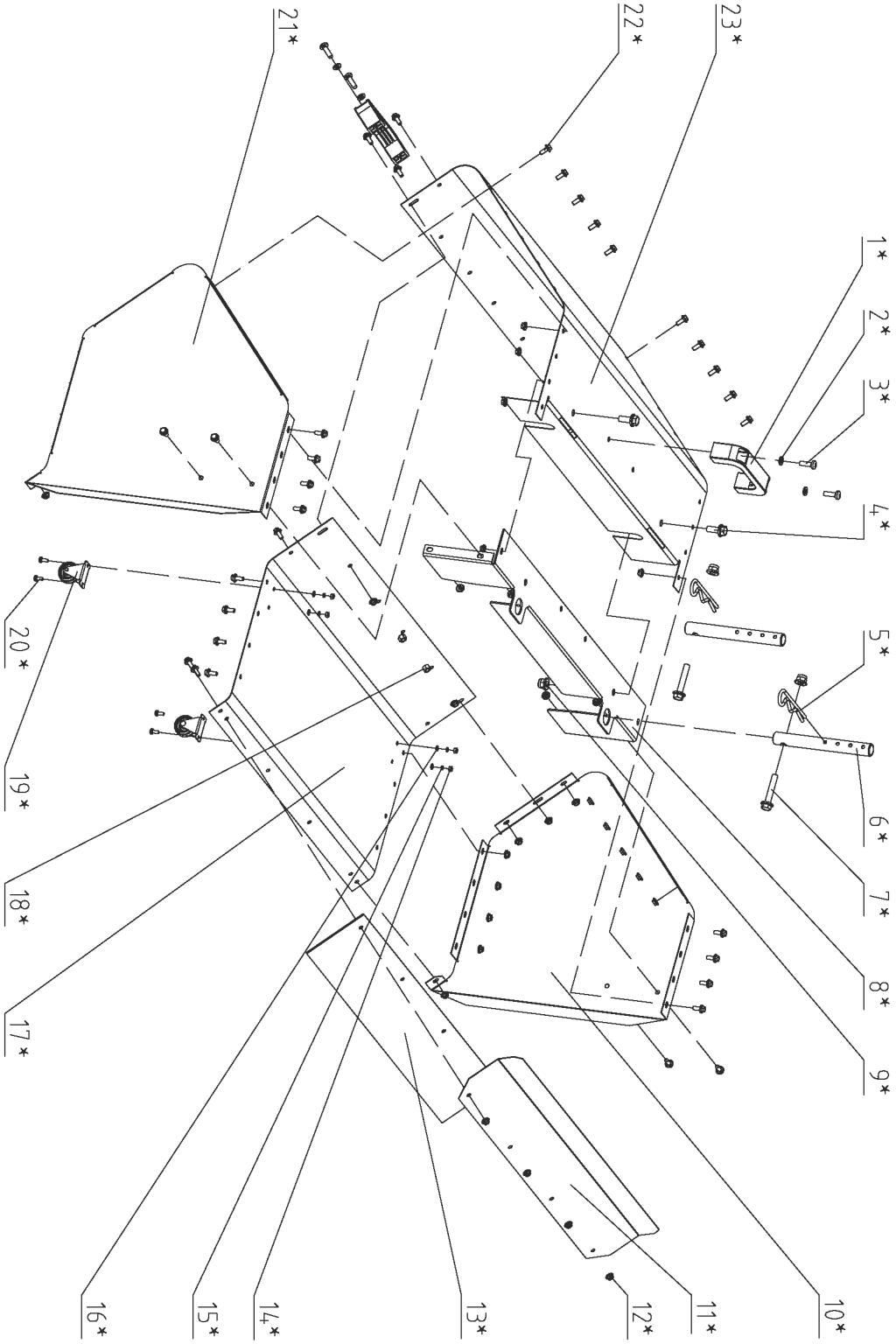
TROUBLESHOOTING

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 then remove the dirt and debris 2. Have 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 belt tightened. Have worn belt replaced 3. Have worn tire replaced
Excessive vibration	Loose parts or damaged worm	Stop engine, and then tighten loose bolts and nuts and have damaged worm repaired

PARTS DIAGRAM



DUST COLLECTION BUCKET (OPTIONAL)



PARTS LIST

No.	Description	Qty
1	Bolt M10X70	2
2	Washer 10	4
3	Brush Guard	2
4	Brush II	14
5	Brush Sleeve	10
6	Brush I	2
7	Brush Shaft Weldment	2
8	Nut M6	10
9	Bolt M6X12	9
10	Bolt M8X65	4
11	Washer 8	24
12	Gear Holder - Left	1
13	Gear Box	1
14	Washer 8	12
15	Gear Holder- Right	1
16	Nut M8	28
17	Bolt M8X45	7
18	Nut M8	3
19	Adjustable Height Support Wheel	2
20	Nut M10	3
21	Washer-upper	1
22	Guiding Fork	2
23	Bolt M10X50	2
24	Spring Washer 8	12
25	Bolt M8X20	13
26	Guard Plate	1
27	Guard Sleeve	2
28	Syphon	1
29	Bolt 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

No.	Description	Qty
37	Front Stand Weldment	1
38	Gimbal joints	1
39	Bearing 6003	4
40	Shaft	1
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	Bolt M10X20	2
49	Nut M6	3
50	Bolt M6X25	2
51	Bolt M6X16	2
52	Bolt M8X16	4
53	Steering Fixing Plate Weldment	1
54	Washer 6	10
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	Bolt M8X30	1
63	Tensioner Fixing Plate II	1
64	Washer	1
65	Driving Assy Guard	1
66	Bolt M6X12	4
67	Engine Base	1
68	Tyre - Left	1
69	Pusher Support	1
70	Line Card 25	5
71	Round Stem	2
72	Holder	4

No.	Description	Qty
73	Ferrule	2
74	Wing Nut	2
75	Bolt M8X85	2
76	Handle	1
77	Cable throttle	1
78	Bolt M6X60	1
79	Throttle Control Assy	1
80	CKA Clutch Cable I	1
81	CKA Clutch Cable	1
82	Screw M6X60	1
83	Clutch Handle Cover	3
84	Clutch handle	3
85	Screw M6X40	2
86	Engine	1
87	Spring Washer 6	8
88	Bolt M6X14	4
89	Screw M8X20	2
90	Driving Assembly	1
91	Washer	2
92	Round Pin 8X45	2
93	Tyre - Right	1
94	DK 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"	2
101	Washer 8	3
102	Engine Pulley	2
103	Key B5*4.76*45	1
104	Washer	1
105	Bolt 5/16-24UNF*30	1
106	Spring	1
107	Bolt M8X70	4
108	Nut 5/16-24UNF	1

No.	Description	Qty
109	Arm Pulley	1
110	Clutch Lever Seat	1
111	Screw M5X16	12
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
121	Clutch Revolving Arm I	1
122	Spring	1
123	Screw ST4.2X16	29
124	Shell	1
125	Straight Pin 8X70	1
126	Wheel Axle	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	Washer	3
134	Driving Gear Pulley	2
135	Worm Shaft Sleeve	2
136	Straight Pin 4X18	2
137	Jaw Clutch I	2
138	Shell II	1

No.	Description	Qty
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	Bearing 6001	1
151	Cotter Pin 4X25	2
152	Circlip 12	2
153	Worm Wheel	2
154	Bearing 608-2Z	1
155	Oil Seal A12X19X5	1
156	Round Pin 5X30	1
157	Worm Gear	1
158	Pin	2
159	Gearbox Side Guard A	1
160	Tension Pulley Assembly	2
161	Clutch lever Seat (with hole)	2
162	Gearbox Side Guard B	1
163	Extension Shaft	2
164	Extension Cover Plate - Right	1
165	Extension Cover Plate - Left	1
166	Nut M6	8
167	Bolt M6x16	8

OPTIONAL DUST COLLECTION BUCKET

No.	Description	Qty
1*	Moving Handle	2
2*	Washer 6	4
3*	Cross Recessed Pan Head Screw M6x20	4
4*	Hexagon Flange Bolt M8x20	2
5*	Clip 4.0	2
6*	Pin	2
7*	Hexagon Flange Bolt M8x45	2
8*	Mounting Plate	1
9*	Hexagon Flange Bolt M8	4
10*	Side Plate- Right	1
11*	Back Plate	1
12*	Hexagon Flange Bolt M5	44
13*	Rubber Sheet	1
14*	Nut M4	4
15*	Spring Washer 4	4
16*	Washer 4	4
17*	Lower Plate	1
18*	Hex Nut M6	4
19*	Adjustable Height Support Wheel	2
20*	Cross Recessed Pan Head Screw M4x10	4
21*	Side Plate-Left	1
22*	Hexagon Flange Bolt M5x12	44
23*	Upper Plate	1

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