YARDMAX®

Power Wheelbarrow

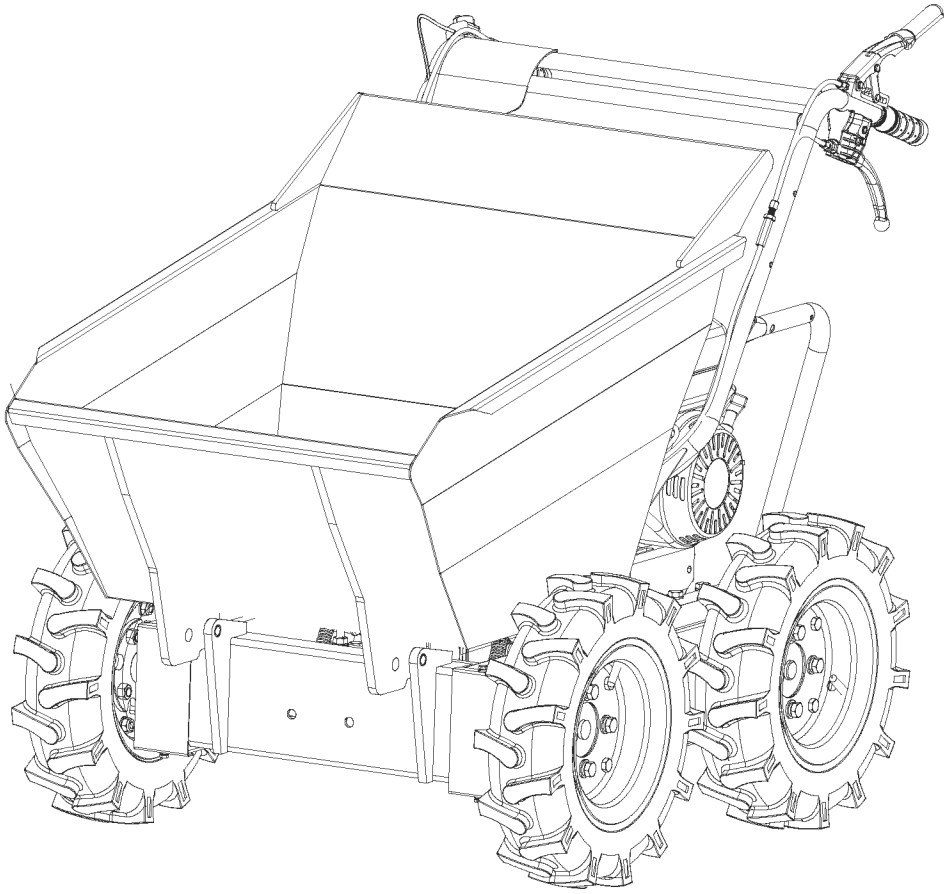
Operator's Manual

MODEL NUMBER
YD4103

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 wheelbarrow 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 wheelbarrow!

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 machine. Pay attention to all cautions and warnings.

This machine is a gasoline engine driven power wheelbarrow. It is a durable, versatile and efficient machine. 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

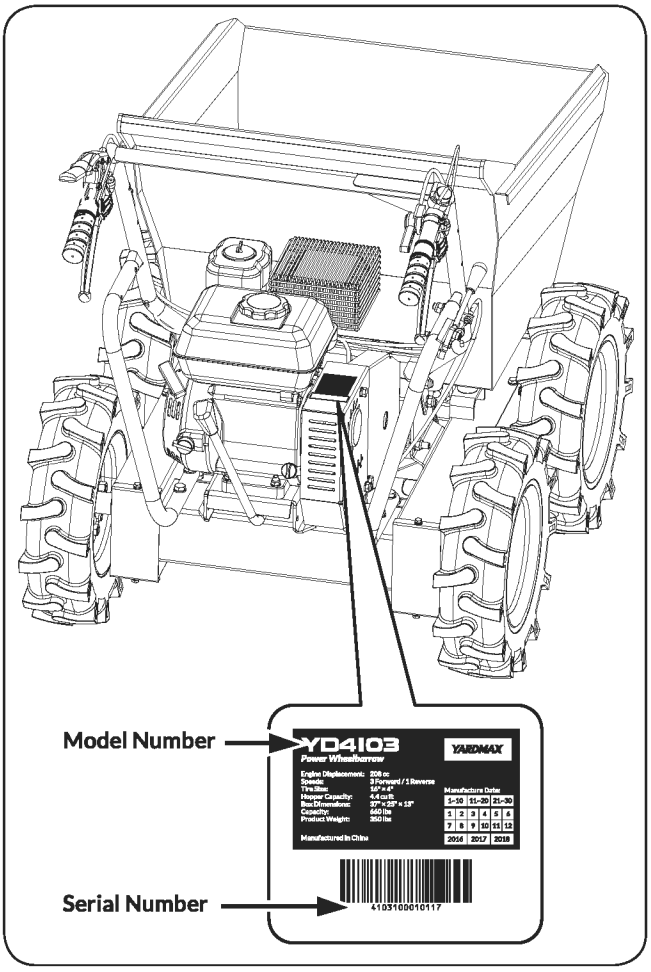
Engine exhaust, some of its constituents and certain product components contain or emit chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

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.

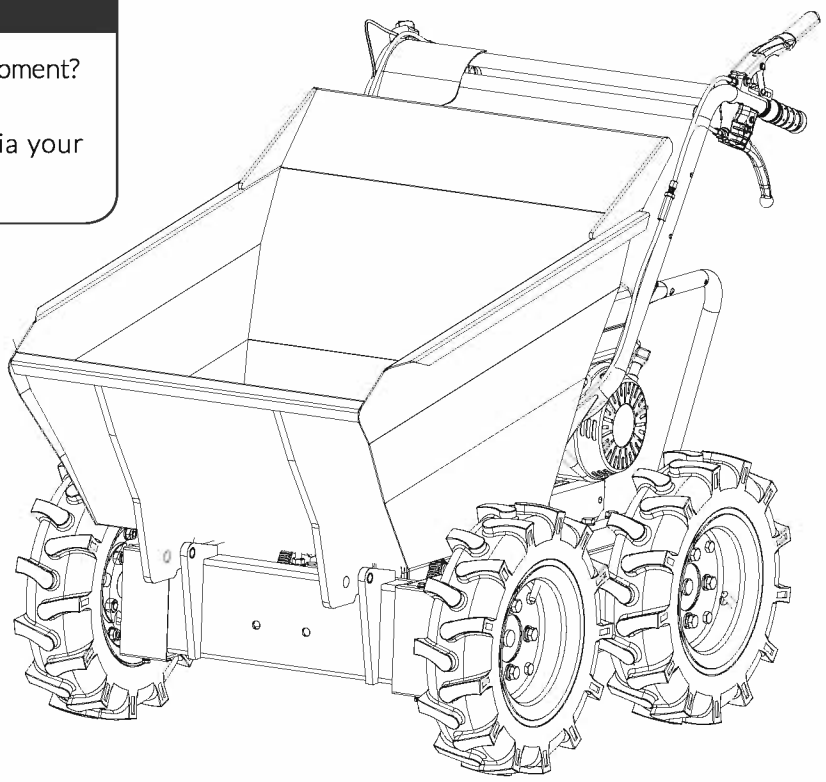


DISCLAIMER

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	YD4103
Engine	Briggs & Stratton
Displacement	208cc
Torque (ft-lbs, gross)	9.50
Start Type	Recoil
EPA/CARB Approval	Yes
Product Weight	320 lbs
Capacity (Level Ground)	660 lbs
Hopper Capacity	4.4 cu ft
Speeds	3 Forward / 1 Reverse
Tire Size	16" x 4"
Zero Turn Radius	Yes

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.

No smoking, sparks, or flames.

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

Keep your hands clear from all rotating parts.

Never start or run the engine inside a closed area.

Do not operate on slopes with angle over 20^{o} or tip loading at an inclined position.

Thrown objects.

The exhaust fumes are dangerous, containing carbon monoxide. Staying in the environment can lead to unconsciousness and death.

Always turn off the engine before starting maintenance.

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.

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 75 feet (23m) away. If you are approached, stop the unit immediately.

Do not mount anything on the dump box and never carry passengers

Never park the machine in a place with unstable ground which could give way, particularly when it is full.

Disengage clutch lever before starting the engine.

Start the engine carefully according to instructions and with feet 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 rocks or roots.

Walk, never run with the machine.

Do not overload the machine capacity. Drive at a safe speed, adjusting the speed to the slope of the land, the surface conditions of the road, and the weight of the load.

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.

On soft ground, drive at the first forward/reverse gear. Do not rapidly accelerate, turn sharply or stop.

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°.

When operating on a slope, whether moving forward or in reverse, always make certain that the weight is evenly balanced. Always move in directions parallel with the slope. Do not shift gears on slopes.

When dumping the contents of the hopper, the center of gravity will change continuously and the ground conditions will be essential for the stability of the machine. Use extra caution and control when dumping the hopper on e.g. wet clay.

UNPACKING THE CONTAINER

Use the screwdriver and hammer to open all the side locks. Remove all the polywood plates. Remove all the loose parts on the bottom pallets. Use scissors or a knife to cut all the straps. (See ***Figure 1a***)

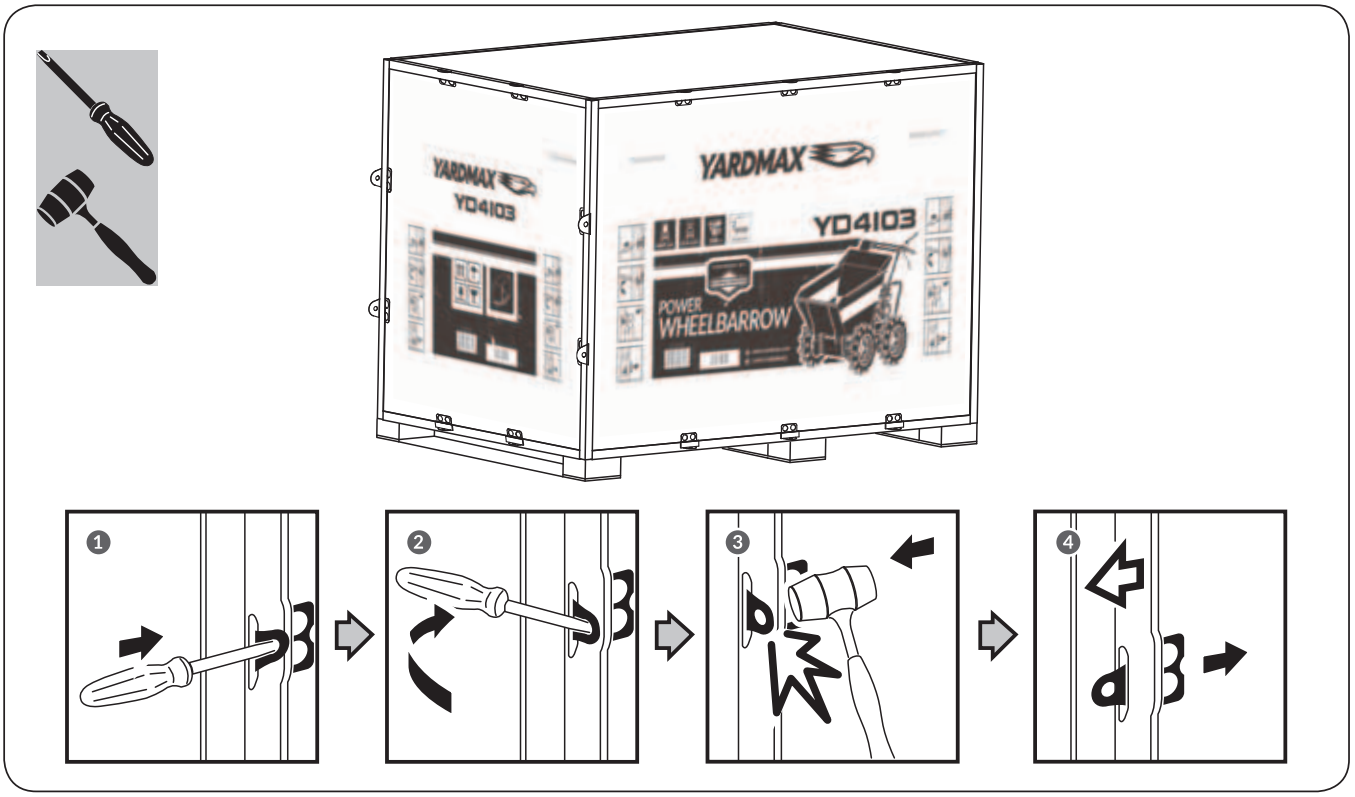


Figure 1a

When unpacking the shrink wrap around the main body and handlebars, be careful not to cut too deeply or you may sever cables and/or scratch the paint.

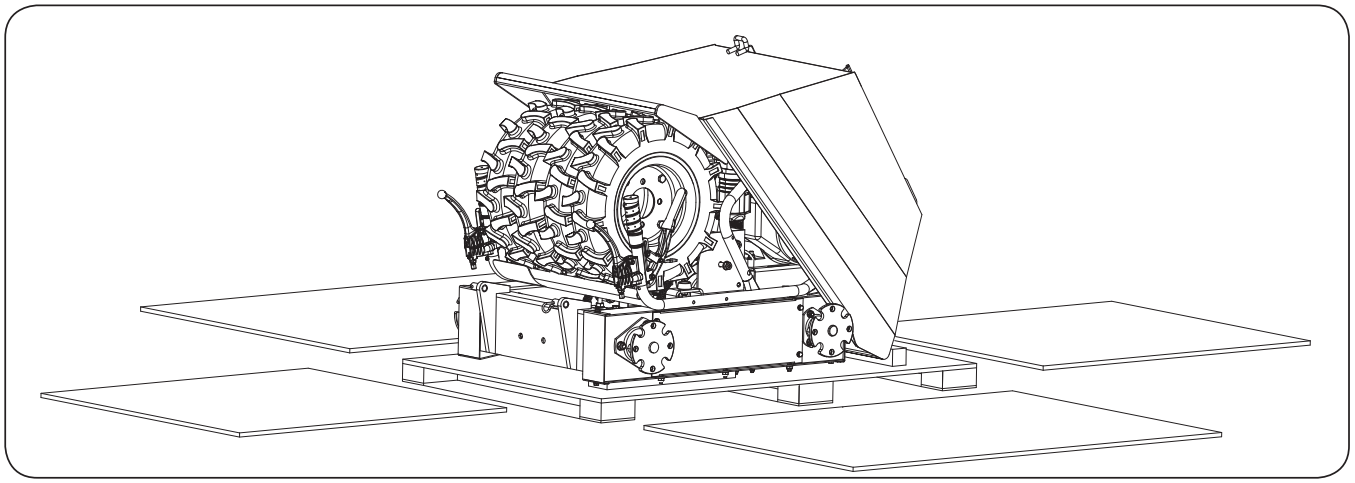
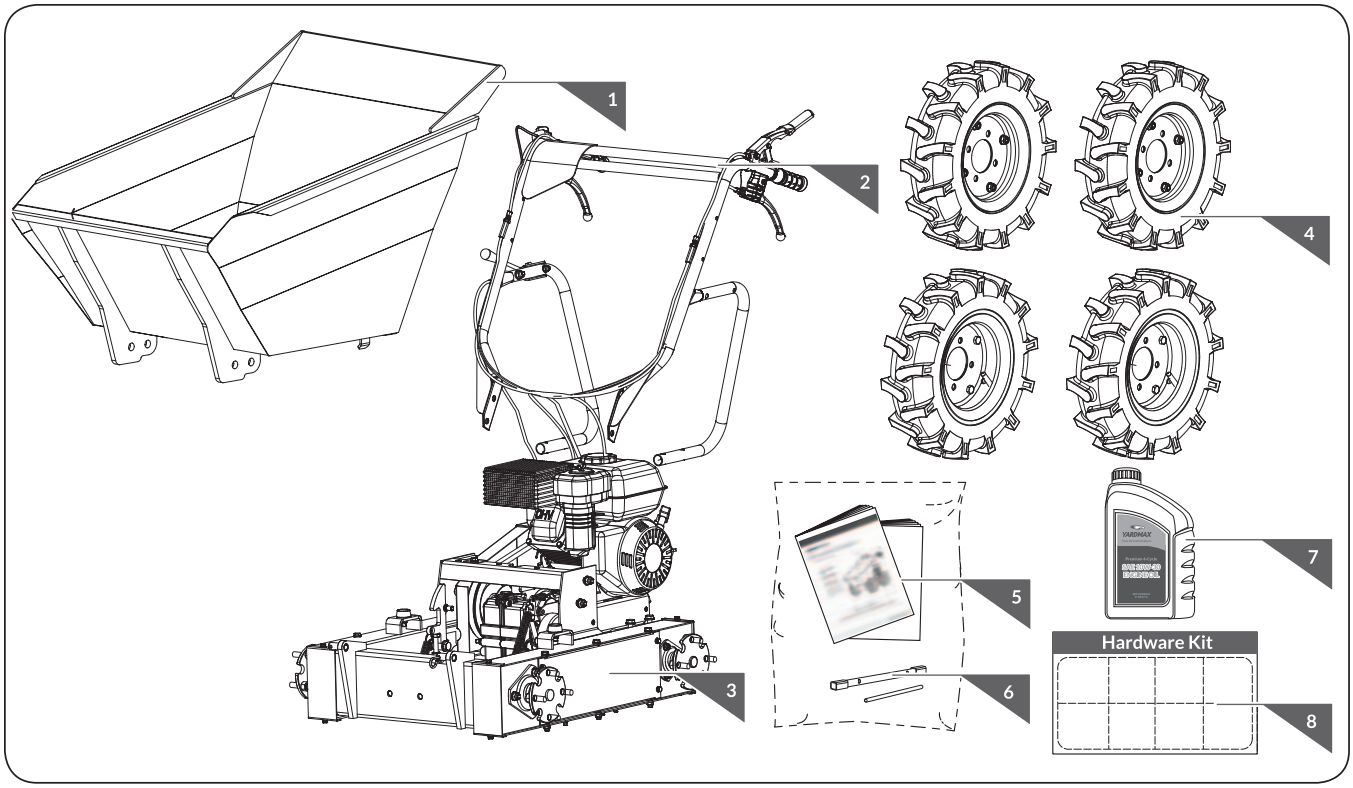


Figure 1b

CONTENTS SUPPLIED

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



1. Hopper
2. Handlebar
3. Frame
4. Wheels
5. Operator's Manual & Engine Manual
6. Tools for Spark Plug Assembly
7. Engine Oil

8. Hardware Kit, Including:

	M10 X 45	X 4	1
	M10 X 25	X 4	
	M12	X 16	2
	Cotter Pin Ø 4	X 2	3

ASSEMBLY

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

HANDLES

Mount the handle frame assembly to the frame and secure it with M10×25 bolts, washers and nuts at the front and M10×45 bolts, washers and nuts at the rear. (See ***Figure 2***)

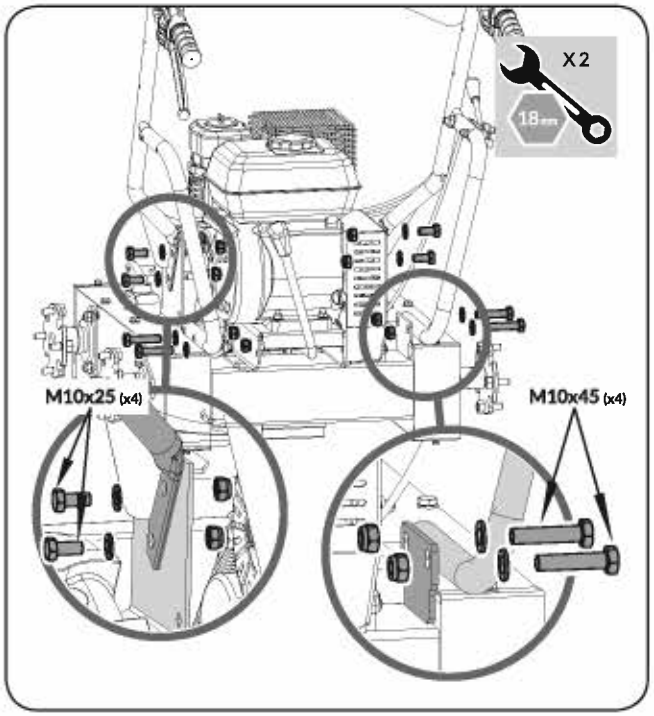


Figure 2

	M10 × 45	× 4	1
	M10 × 25	× 4	

WHEELS

> ⚠ *The Power Wheelbarrow tires are directional and should have the treads pointing forwards for maximum traction.*

1. Lift the rear of the machine up high enough to slide the 7.5" high block that you can found in the package.
2. Slide the block under the machine.
3. Secure the rear wheels, finger tight – for safety do not fully tighten as the machine could fall off the block.
4. Once the wheels are secure lift the machine and remove the block. (See ***Figure 3a***)

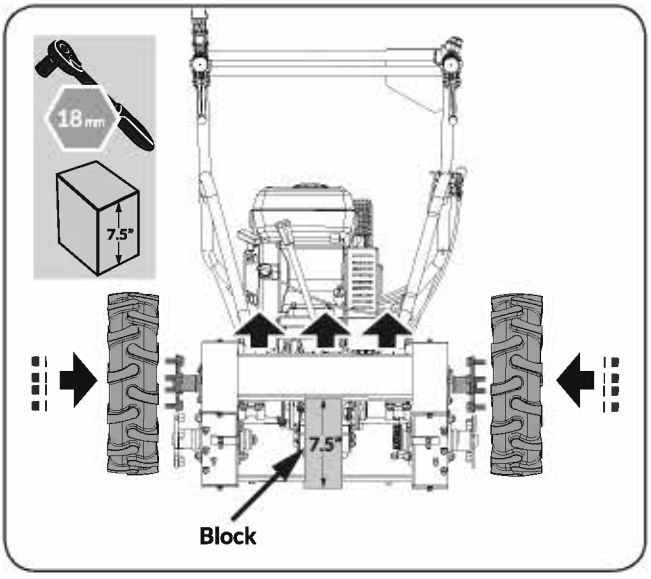


Figure 3a

5. Lift the front of the machine, re-use the same block and slide it under the front of the machine.
6. Secure the wheels finger tight.
7. Remove the block.
8. With all 4 tires on the ground tighten the bolts, in a star pattern for even torque. (See ***Figure 3b***)

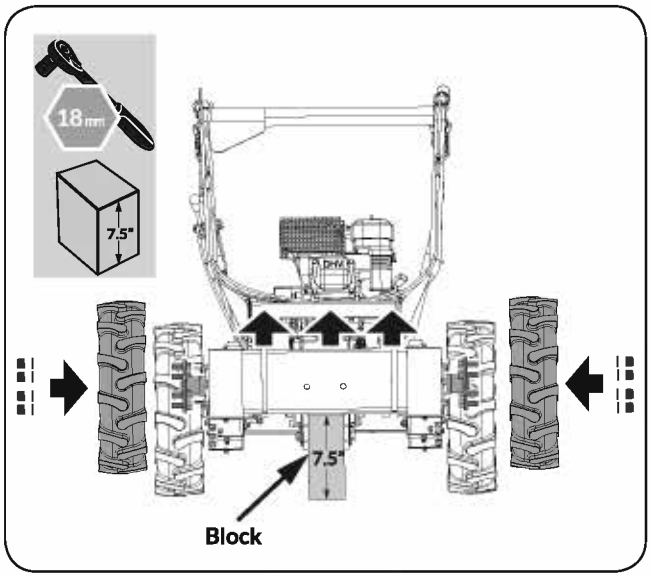


Figure 3b

	M12	× 16	2

HOPPER

Install the hopper and fasten the front with two cotter pins Ø 4. (See ***Figure 4***)

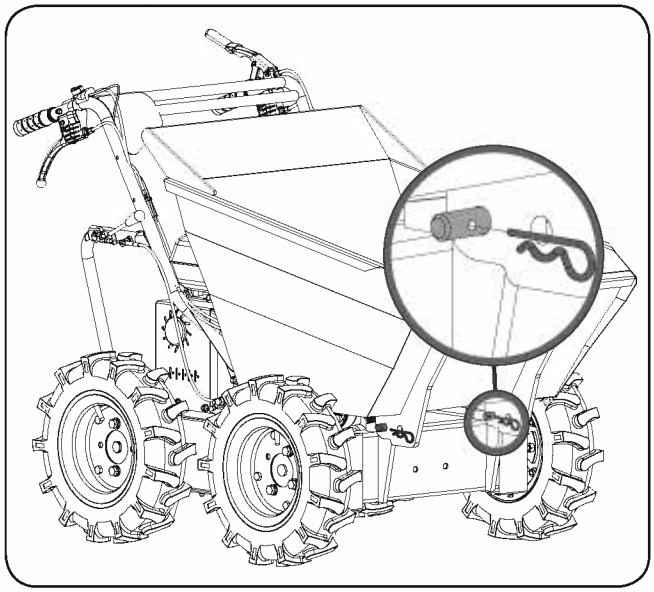


Figure 4

	Cotter Pin Ø 4	× 2	3

ZIP TIES

Use zip ties inside the manual bag to secure cables to the handle to avoid them being snagged during use. Cut excess strip off the zip ties when secure. (See ***Figure 5***)

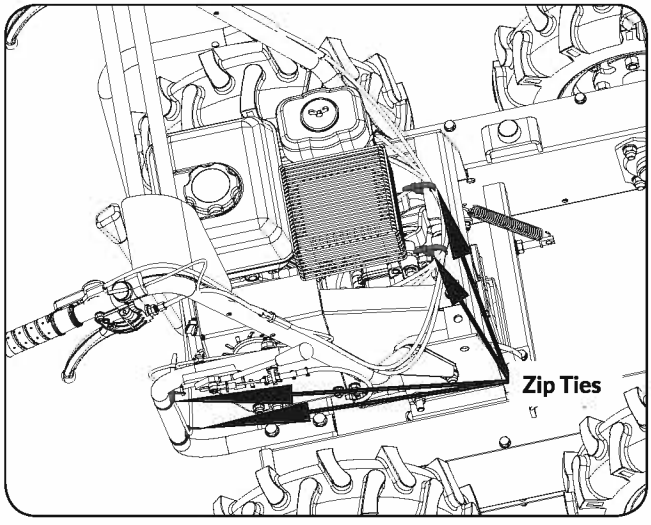


Figure 5

PLOW BLADE (OPTIONAL-SOLD SEPARATELY)

1. Install the two supporting feet to the blade as shown in Fig. 6a, adjust the height and secure them with M12×30 bolts and nuts. Mount the steering bracket to the blade with M8×30 bolts, washers and nuts. (See ***Figure 6a***)

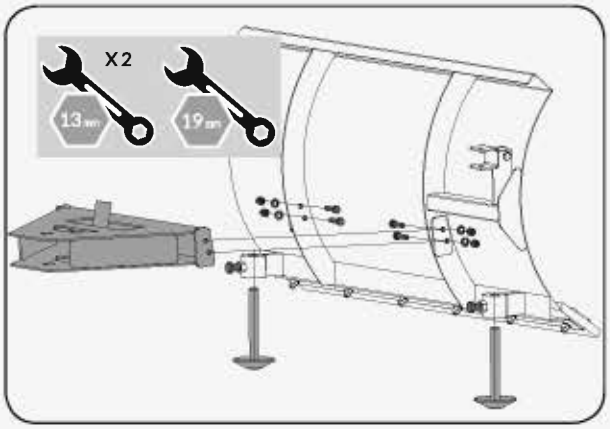


Figure 6a

	M8 × 30	× 4	4
	M12 X 30	× 2	

2. Mount the bracket for the angle control lever to the frame with M8×20 bolts, washers and nuts. (See ***Figure 6b***)
3. Mount the flange bracket with M12×30 bolts, washers and nuts. (See ***Figure 6b***)

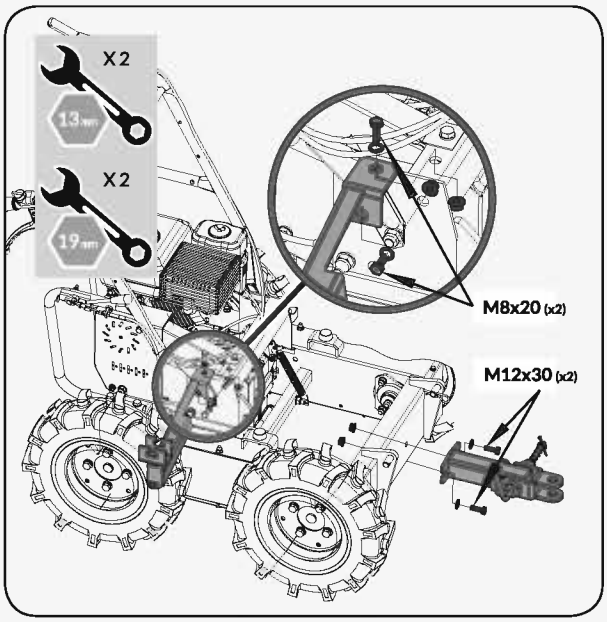


Figure 6b

	M8 × 20	× 2	5
	M12 × 30	× 2	

4. Fix the blade assembly to the flange bracket with M20×100 bolt, washer and nut. Do not overtighten, allowing the blade to rotate freely in both directions. (See ***Figure 6c***)

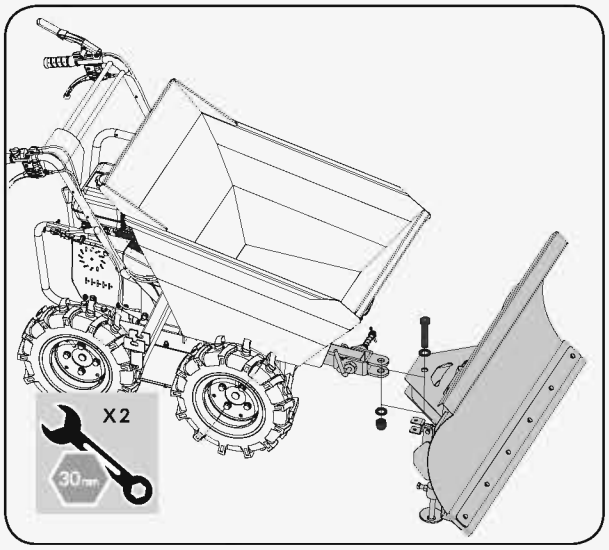


Figure 6c

	M20 × 100	× 1	6

5. Connect the angle control lever and extension by M8×40 bolt, washer and nut. Attach the extension to the blade with M8×50 bolt and nut. Lock the second pin of the angle control lever into the limit slot of the bracket. (See ***Figure 6d***)

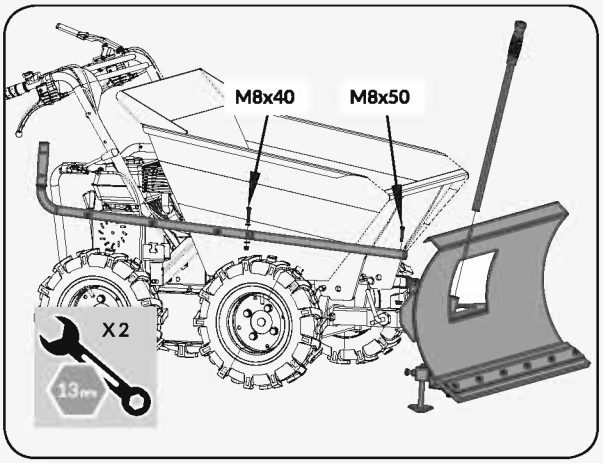
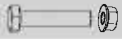
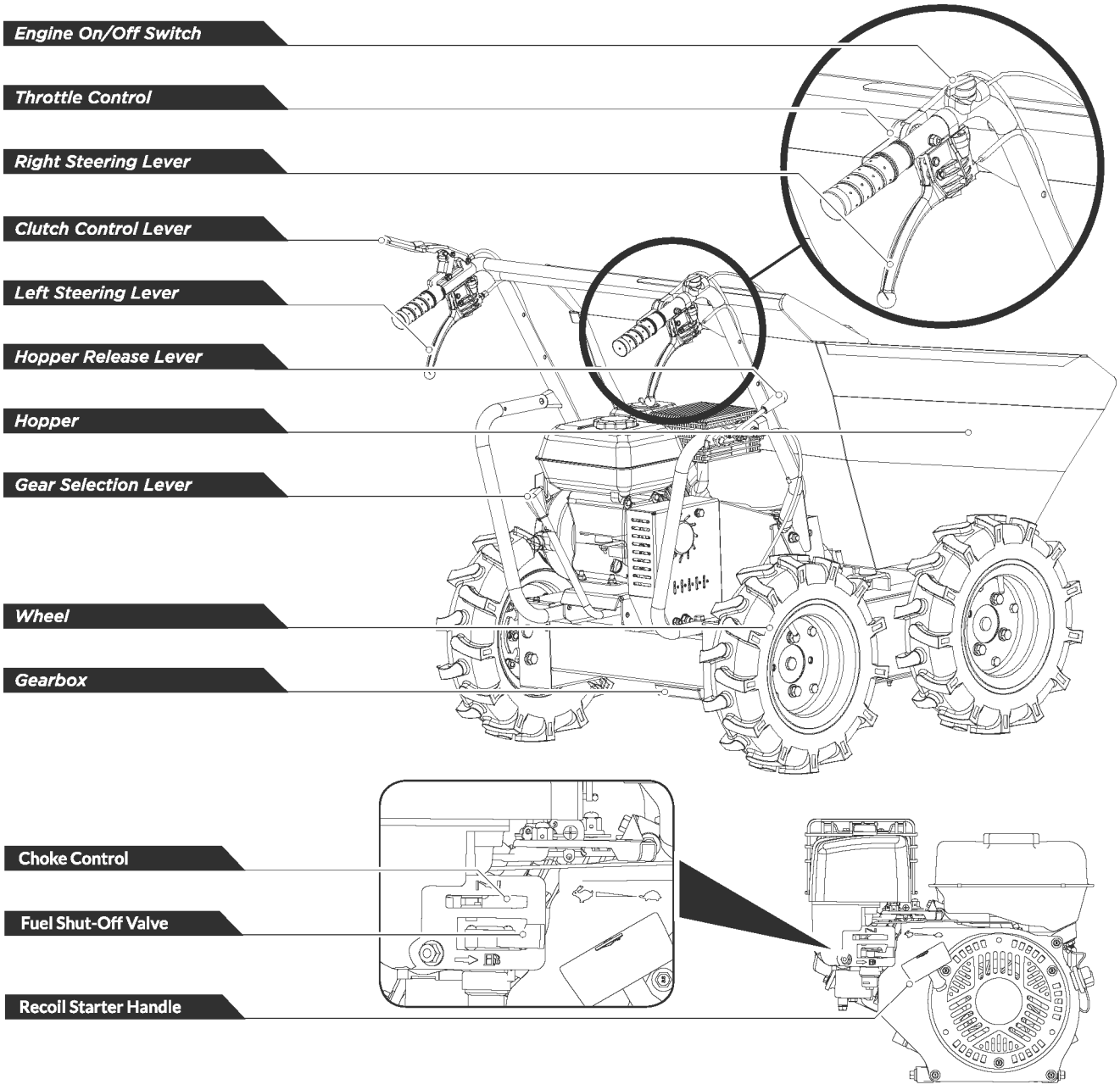


Figure 6d

	M8 × 40	× 1	7
	M8 × 50	× 1	

KNOW YOUR MACHINE

FEATURES AND CONTROLS



ENGINE ON/OFF SWITCH

- The engine switch enables and disables the ignition system.
- The engine switch must be in the ON position for the engine to run.
- Turning the engine switch to the OFF position stops the engine.

CLUTCH CONTROL LEVER

- Squeeze the control lever, clutch engaged. Release the lever, clutch disengaged.

THROTTLE CONTROL

- It controls engine speed. Put the throttle control on low speed (L) or high speed (H) or an intermediary position between L and H to increase or decrease the speed of engine.

LEFT STEERING LEVER

» Operate the lever to turn left.

RIGHT STEERING LEVER

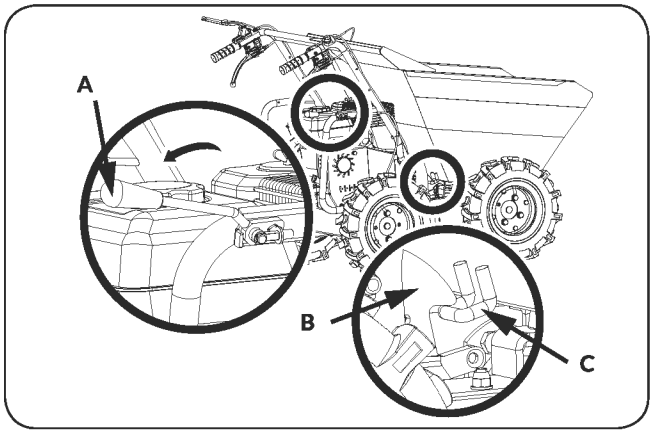
» Operate the lever to turn right.

GEAR SELECTION LEVER

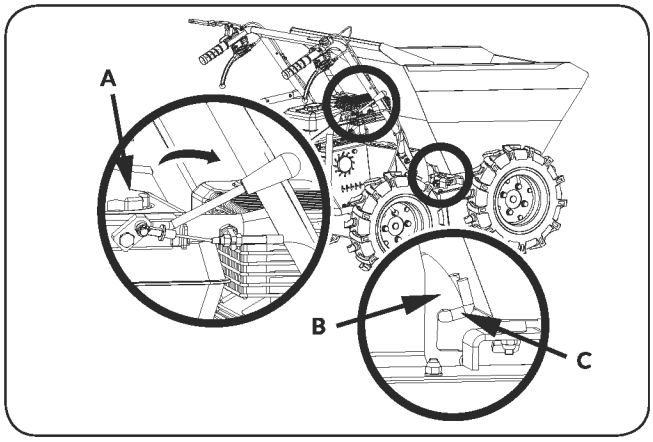
» It controls forward or reverse movements of the machine.

HOPPER RELEASE LEVER

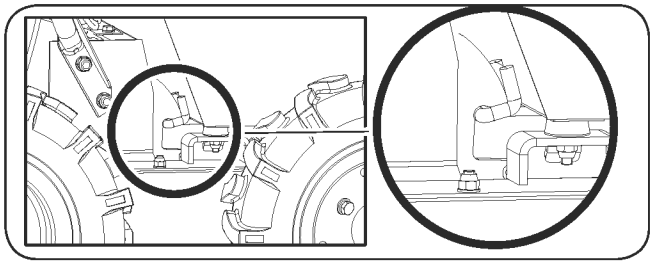
» It locks and releases the hopper to empty. Pull the lever "A" towards the operator to release the lock "B" out of the hopper hook "C."



» Push the lever "A" back towards the hopper to lock it in place. Always lock the hopper prior to transporting it.



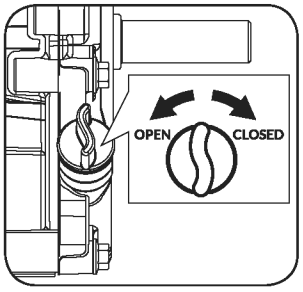
Before you start operation, please check the hopper to make sure it is locked as shown in the diagram below.



ADD OIL TO ENGINE

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

1. Make sure the power wheelbarrow 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.)

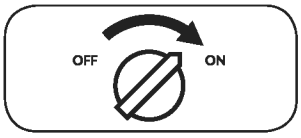
IMPORTANT: DO NOT OVERFILL!

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.

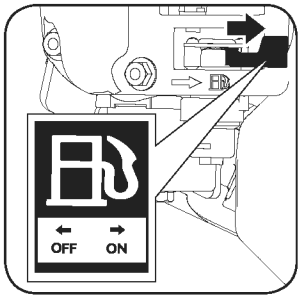
3. Reinstall the fuel cap and tighten. Always clean up spilled fuel.

STARTING ENGINE

1. Move the engine ON/OFF switch (located on right handle) to the ON position.

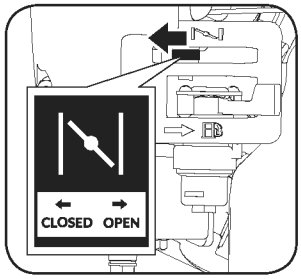


2. Open the fuel shut-off valve.



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 down to allow the engine to warm up.
- Engage the required gear and slowly squeeze the clutch control lever.

> ⚠ *For safety and prevention of transmission damage the transmission may not engage after shifting gears the first time you engage the clutch. Slowly release the clutch and try again. This will engage the transmission for operation.*

- The Power Wheelbarrow is equipped with left and right steering levers on the handle bars to make steering easy. To turn left or right pull left or right lever.
- The steering sensitivity is dependent upon the speed the machine is travelling, the weight it is carrying, and the adjustment of the steering levers. The more weight the machine is carrying the more pressure it will require to turn.
- The powered wheelbarrow has a maximum capacity of 660lbs. However, it is advisable to assess the load and adjust it according to the ground on which the machine will be used.
- Under heavy loads, or on softer ground, it is recommended to turn with ease at slower speeds to limit the damage to the ground.
- When operating on hard, rough, uneven, or frequent changes in terrain type avoid sharp turns or fast changes in direction to avoid tipping and injury to the operator or machine.
- Remember to be careful when working in adverse weather conditions (ice, heavy rain and snow) or on types of ground that could make the machine unstable.
- When the clutch control lever is released, the machine will stop and brake automatically.
- If the machine is stopped on a steep slope, a wedge should be placed under one of the wheels in case of brake slippage.

IDLE SPEED

- Set throttle control lever to its "SLOW" position to reduce stress on the engine when work 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 CLUTCH

» When the clutch begins to show wear, it will appear thru the handle reach becoming wider. Making it more difficult to reach. Follow these steps to return the clutch lever back to its original position.

1. Loosen the jam nut by turning it counter clockwise with 10mm wrench. (see ***Figure 7a, Illustration 1***)
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. (see ***Figure 7b, Illustration 1***)
3. Once tightness is set, return the jam nut against the handle to hold the cable in place. (see ***Figure 7b, Illustration 2***)

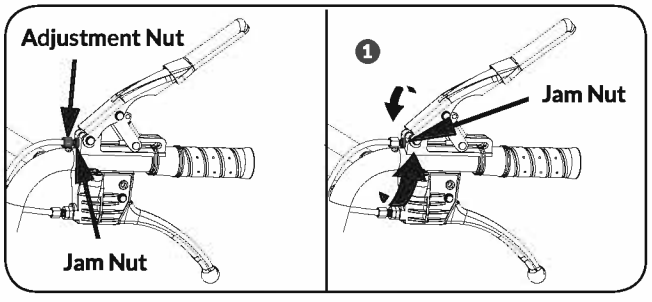


Figure 7a

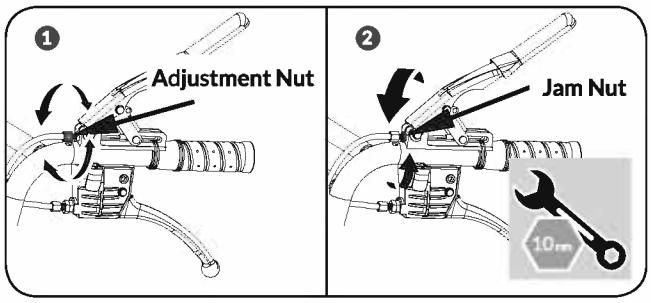


Figure 7b

ADJUSTING STEERING

» If steering becomes difficult to engage follow these steps to adjust the cable tension.

1. Loosen the jam nut by turning it counter clockwise with 10mm wrench while holding the lock nut in place with 10mm wrench. (***See Figure 8a, Illustration 2***)
2. While holding the lock nut in place with a 10mm wrench, tighten (or loosen) the cable by turning the cable adjustment nut clockwise (or counter clockwise) with a 10mm wrench until you have reached your desired tightness. (***See Figure 8a, Illustration 3***)
3. Once you have reached your desired cable tightness, tighten the jam nut by turning it clockwise until it is tight against the lock nut. (***See Figure 8a, Illustration 4***)

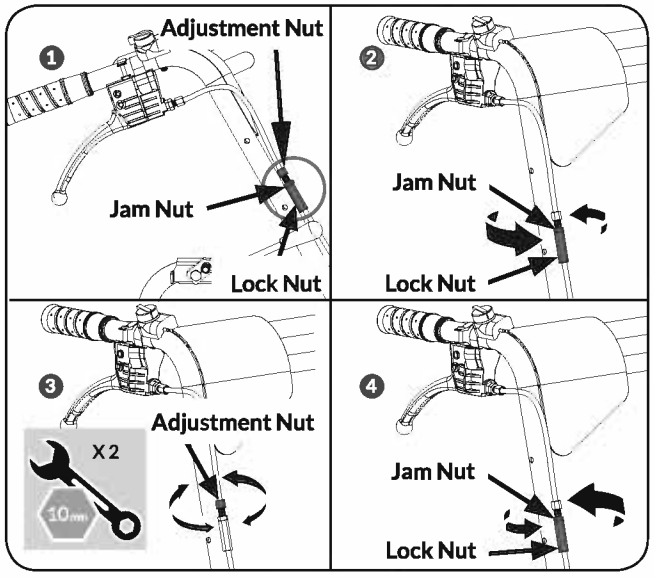


Figure 8a

» If the above adjustment does not create enough cable tension, adjust the cable tension near the handle by following the below steps.

1. Loosen the jam nut by turning it counter clockwise with 12mm wrench while holding the lock nut in place with 10mm wrench. (***See Figure 8b, Illustration 2***)

2. While holding the lock nut in place with a 10mm wrench, tighten (or loosen) the cable by turning the cable adjustment nut clockwise (or counter clockwise) with a 10mm wrench until you have reached your desired tightness. (***See Figure 8b, Illustration 3***)

3. Once you have reached your desired cable tightness, tighten the jam nut by turning it clockwise until it is tight against the lock nut. (See ***Figure 8b, Illustration 4***)

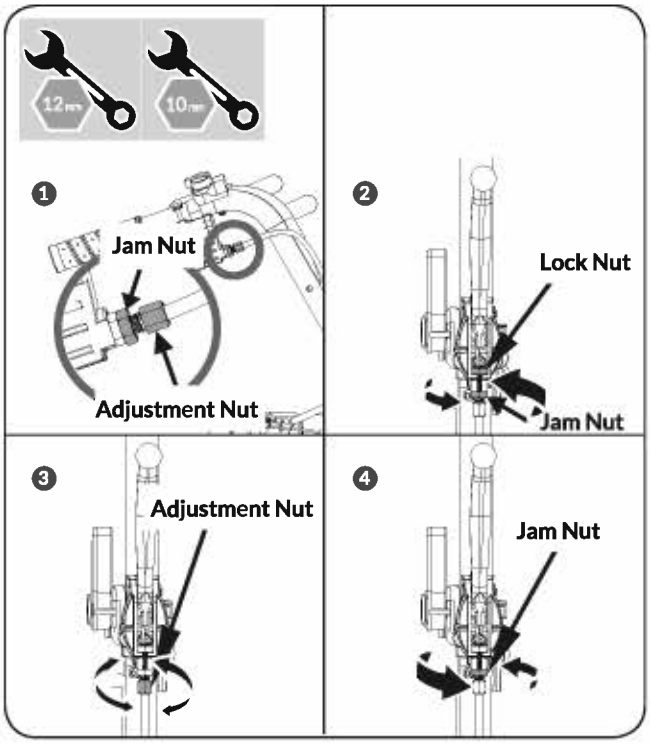


Figure 8b

REPLACING DRIVE BELT

» Unlock and tilt the hopper to gain access to the belt covers.

» Remove the three 8mm bolts and nuts on the secondary belt cover.

» Remove the two 8mm nuts on the bottom of the main belt cover. Also, remove the 8mm bolt on the top right side of the belt cover. (See ***illustration below***)

» Remove both belt covers.

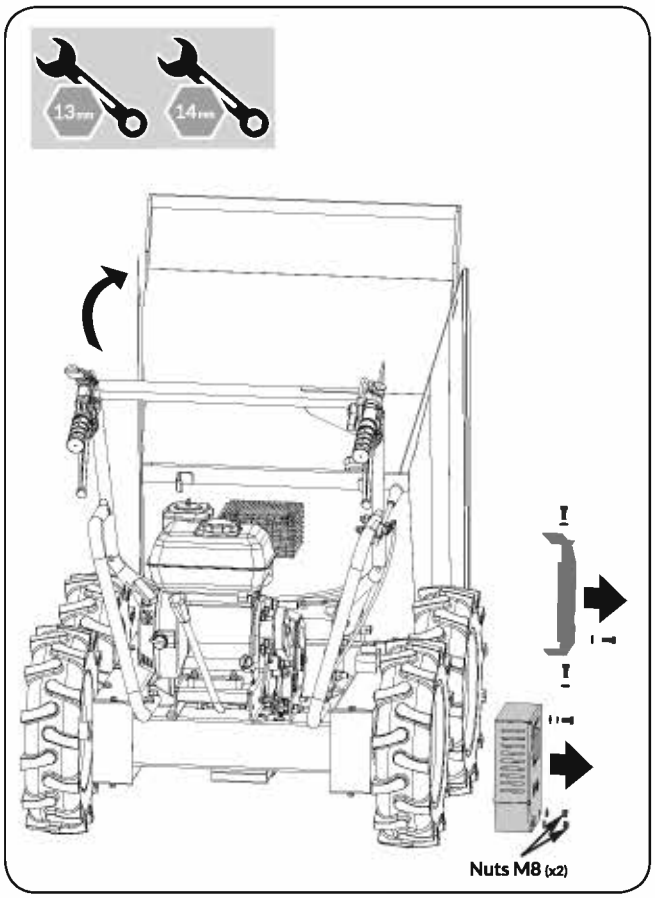


Figure 9a

» Now remove the belt off the pulleys by rolling the belt off the motor pulley in a counter clockwise motion.

» Remove the belt off the transmission pulley and remove belt from the machine.

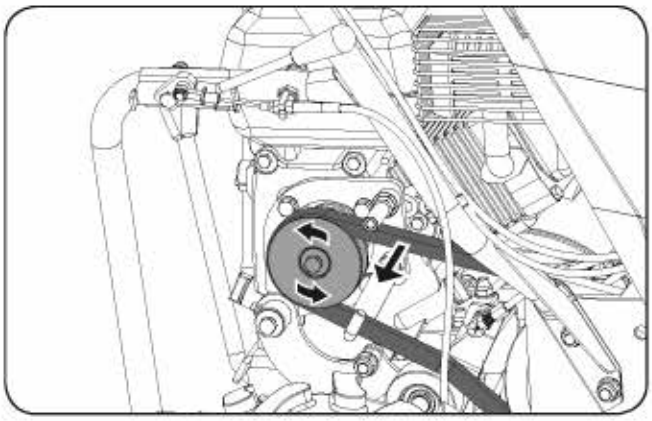


Figure 9b

» Assemble the new belt and reattach the covers.

LUBRICATION

- The gearbox is pre-lubricated and sealed at the factory. No need to lubricate until 50 hours use.
- After first 50 hours use, change all the transmission oil. Capacity is 1.5L.
- For future use, just check the oil level every 50 hours of working. If remove the drain plug, no oil flow out, then add the oil.
- Gear oil GL-5 or GL-6, SAE80W-90 is recommended. Do not use synthetic oil.
- Transmission oil must be replace when engine is stopped and warm by unscrewing filler cap and drain plug. When oil is completely drained, replace filler cap and fill up with fresh oil. (See ***Figure 10a***)

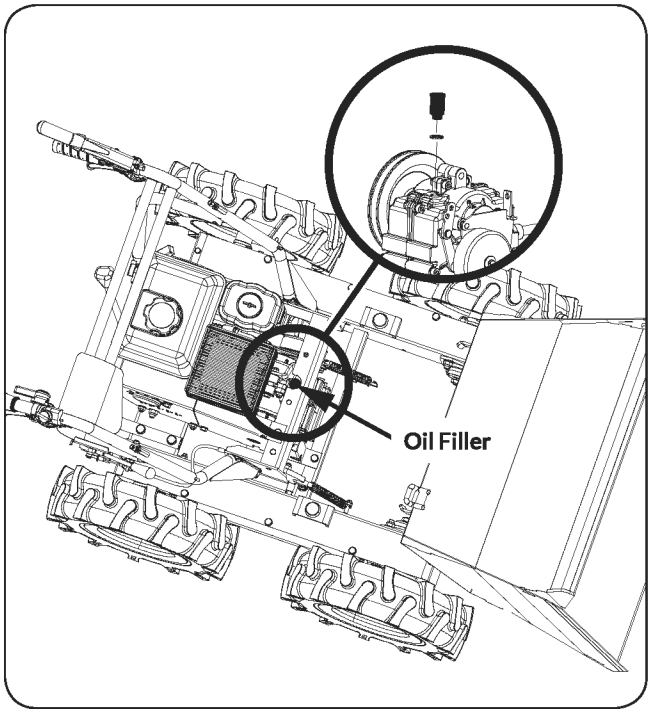


Figure 10a

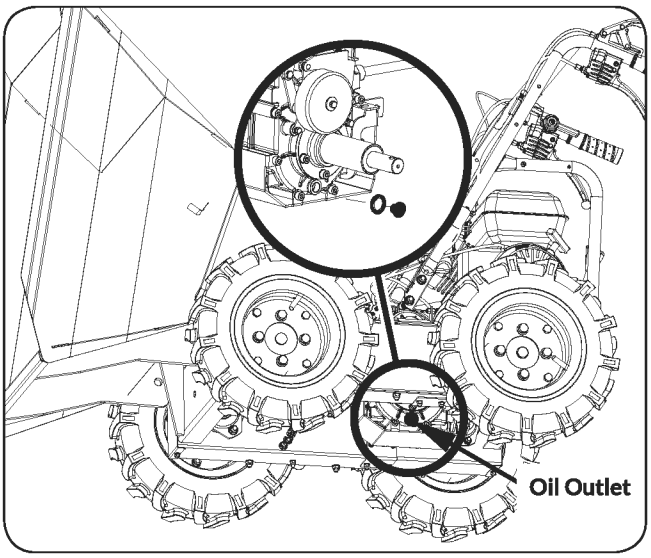


Figure 10b

TIRE PRESSURE

- Check the pressure of tires periodically to make sure they are properly inflated. Recommended pressure is 30psi for all the tires.

Separation of tire and rim parts is possible when they are serviced incorrectly.

Do not attempt to mount a tire without the proper equipment and experience to perform the job.

Do not inflate the tires above the recommended pressure.

Do not weld or heat a wheel and tire assembly. Welding can structurally weaken or deform the wheel. Heating can cause an increase in the air pressure resulting in burst.

Do not stand in front or over the tire assembly while inflating.

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 wheelbarrow 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.

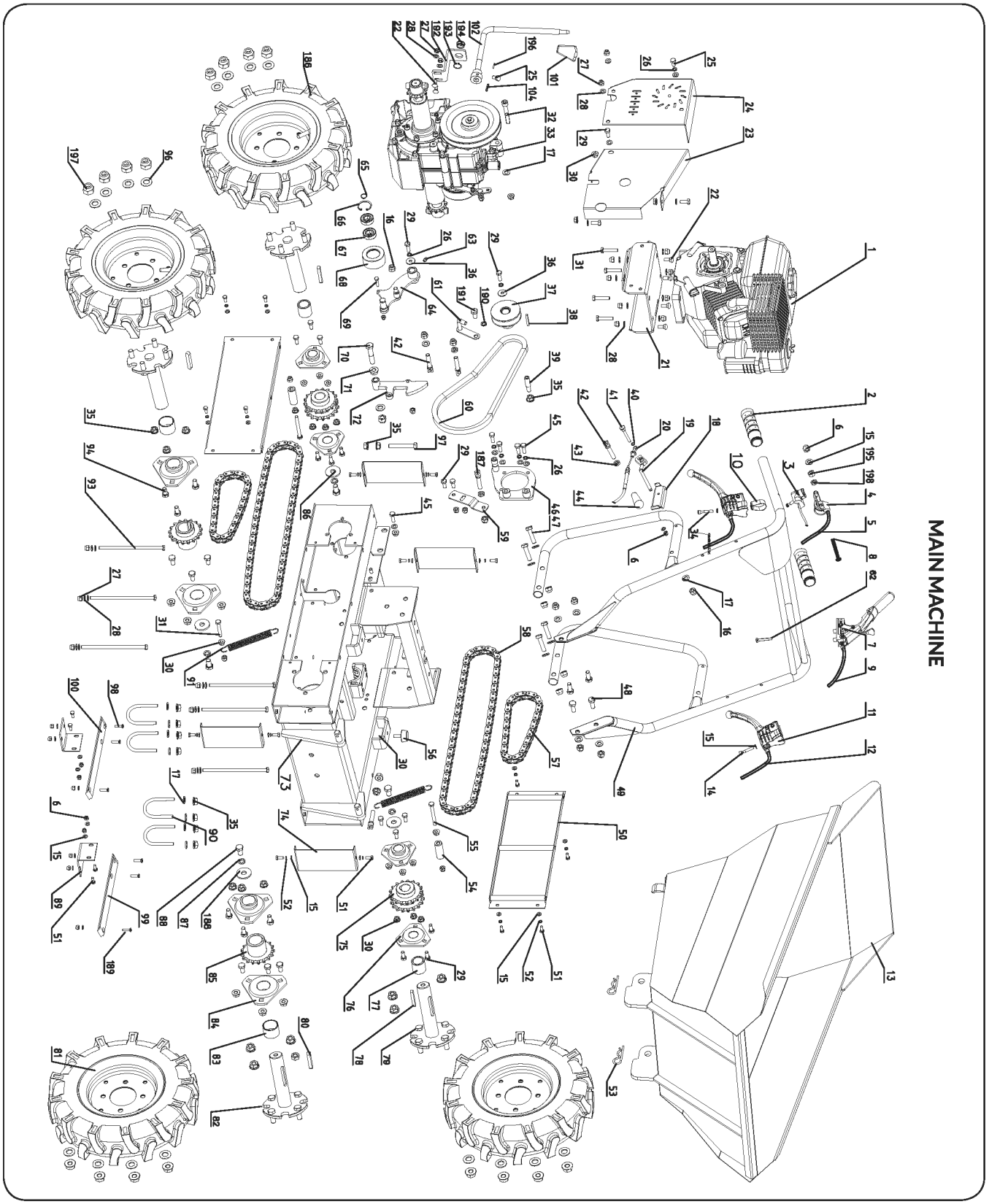
5. Inspect for any loose or damaged parts. Repair or replace damaged parts and tighten loose screws, nuts or bolts.
6. Store your unit on flat ground in a clean, dry building that has good ventilation.

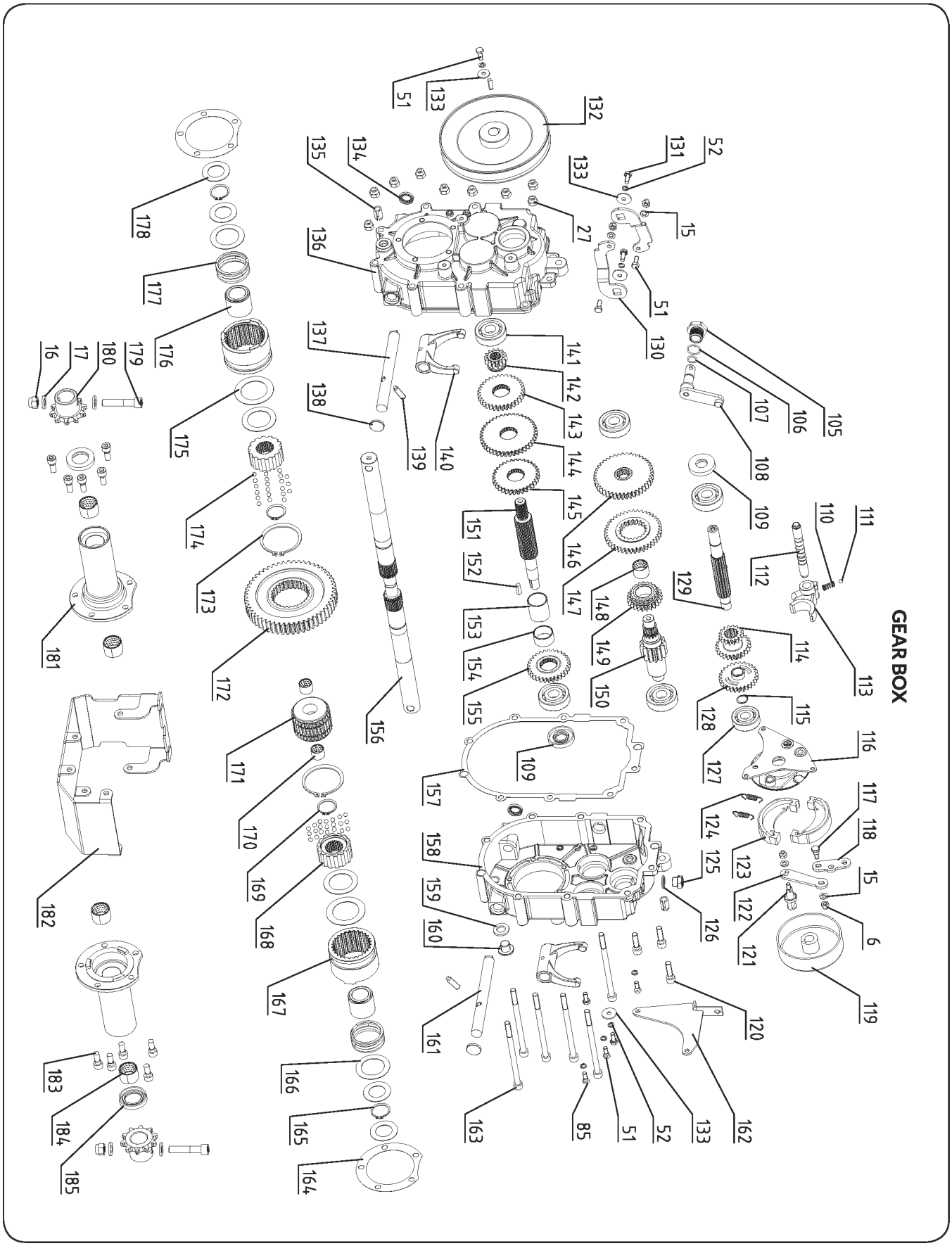
Do not store the machine with fuel in a non-ventilated area where fuel fumes may reach flame, sparks, pilot lights or any ignition sources.

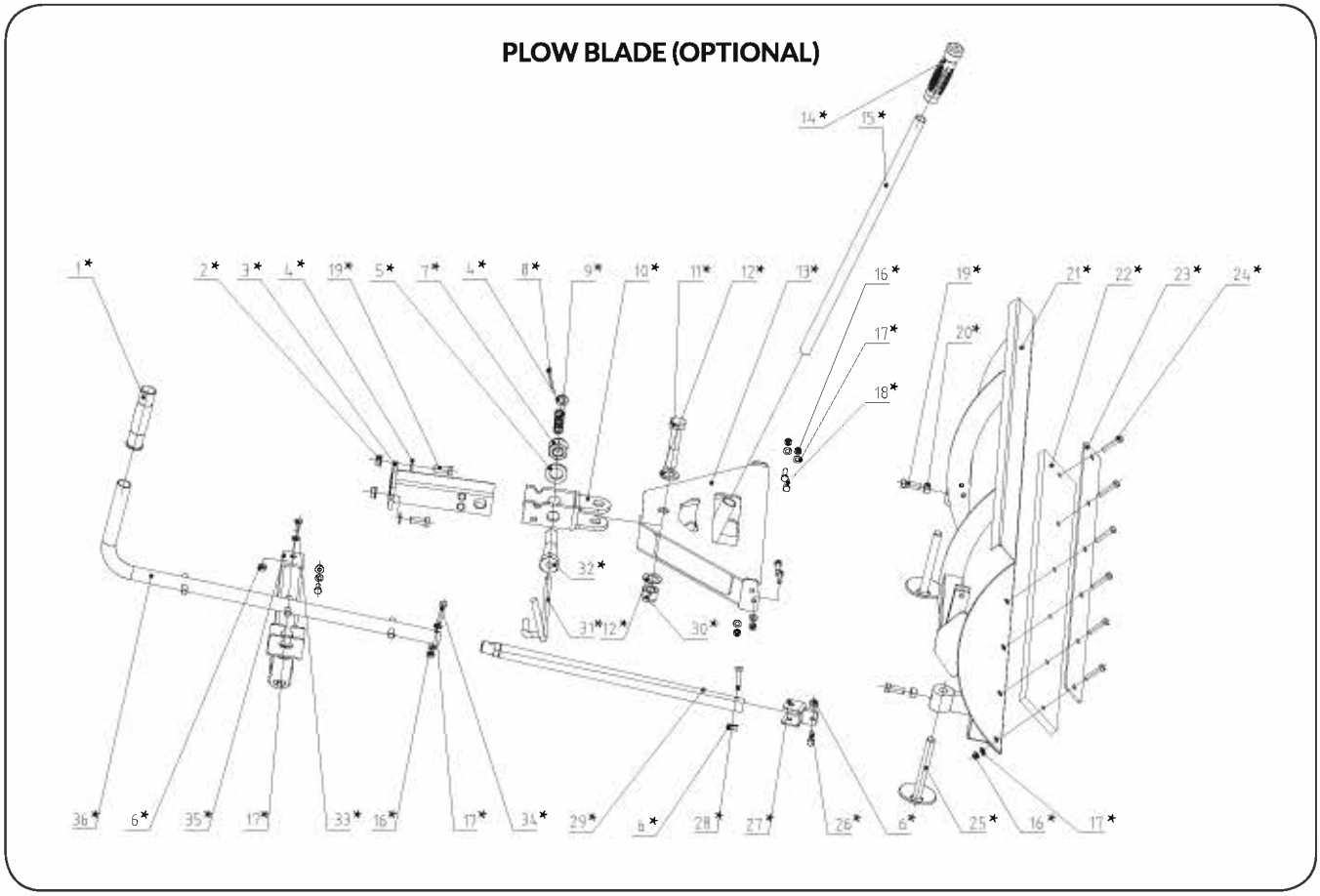
TROUBLESHOOTING

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
Machine does not move while engine is running	1. Gear is not properly selected 2. Drive belt not tight enough	1. Ensure gear lever is not in-between two different gears 2. Tighten drive belt

PARTS DIAGRAM




GEAR BOX



PARTS LIST
OPTIONAL PLOW BLADE

No.	Description	Qty
1*	Handle Sleeve 1	1
2*	Nut M12	2
3*	Connecting Bracket 1	1
4*	Washer12	2
5*	Washer24	1
6*	Nut M8	4
7*	Lock Nut M24	1
8*	Pin 4×40	1
9*	Spring	1
10*	Connecting Bracket 2	1
11*	Bolt M20×95	1
12*	Washer20	2

No.	Description	Qty
13*	Connecting Bracket 3	1
14*	Handle Sleeve 2	1
15*	Handle Grip 2	1
16*	Lock Nut M8	11
17*	Washer8	14
18*	Bolt M8×30	4
19*	Bolt M12×30	4
20*	Nut M12	2
21*	Blade Weldment	1
22*	Blade Plate	1
23*	Shave Plate	1
24*	Bolt M8×40	6

No.	Description	Qty
25*	Base	2
26*	Bolt M8×35	1
27*	Connecting Bracket 4	1
28*	Bolt M8×50	1
29*	Connecting Pipe	1
30*	Lock Nut M20	1
31*	Limiter	1
32*	Bolt M24×110	1
33*	Bolt M8×20	2
34*	Bolt M8×40	1
35*	Connecting Bracket 5	1
36*	Handle Grip 1	1

PARTS LIST

No.	Description	Qty
1	Engine	1
2	Handle Sleeve	2
3	ON/OFF Switch	1
4	Throttle Lever	1
5	Throttle Cable	1
6	Locknut M6	17
7	Clutch Control Lever	1
8	Screw M6×55	1
9	Clucth Control Cable	1
10	Hoop	1
11	Down Lever	2
12	Right/Left Steering Cable	2
13-1	Box	1
14	Screw M6×55	1
15	Washer 6	32
16	Lock nut M10	31
17	Washer 10	36
18	Cable Plate	1
19	Rocker Lever	1
20	Dumper Box Cable	1
21	Mounting Base for Engine	1
22	Square Neck Bolt	6
23-1	Pulley Front Cover	1
24-1	Pulley Back Cover	1
25	bolt M8×16	1
26	Spring Washer 8	9
27	Lock Nut M8	53
28	Washer 8	52
29-1	Bolt M8×20	20
30	Flange Nut M8	10
31	Bolt M8×40	5
32	Bolt M8×60	1
33-1	Gear Box	1
34	Screw M6×35	1
35	Flange Nut M10	9
36	Plain washers-large	6

No.	Description	Qty
37-1	Belt Pulley	1
38	Flat Key B5×40	1
39	Belt Shaft	1
40	Circlip 8	1
41	Rockshaft	1
42	Cable Fixed Pin 1	2
43	Thin Nut M10	5
44	Taper Knob	1
45	Bolt M8×25	5
46	Fixed Bracket	1
47	Bolt M10×45	4
48	Bolt M10×25	4
49-1	Handle Frame Assembly	1
50	Cover Weldment	2
51	Bolt M6×16	21
52	Spring Washer 6	25
53	Pin ø4	2
54	Chain Guide Posts	2
55-1	Bolt M8×70	2
56	Rubber Bolt M8×25	2
57	Chain 2	2
58	Chain 1	2
59-1	Pull Plate	1
60	B-Belt	1
61	Belt Guide Weldment	1
62	Screw M6×16	1
63	Oil Nipple M6	1
64	Tensioner Pulley Bracket	1
65	Circlip 15	1
66	Circlip 35	1
67	Bearing 6202	2
68	Tensioner Pulley	1
69-1	Bolt M6×25	1
70-1	Bolt M12×60	1
71	Flange Nut M12	1
72-1	Limiting Plate	1

No.	Description	Qty
73-1	Chasis	1
74	Fender	4
75	Rear Chainwheel	2
76	Bearing 205	4
77	Bush 2	2
78	Flat Key A8×60	2
79-1	Rear Rim	2
80	Flat Key A10×60	2
81-1	Left Wheel	2
82-1	Front Rim	2
83	Bush 1	4
84	Bearing 307	4
85	Front Rim	2
86	Washer 40×12.5×4	4
87	Spring Washer 12	4
88	Bolt M12×20	4
89	Small Connecting Plate	2
90	Wheel Axle Press Board	4
91	Spring	2
92	Discontinued	N/A
93	Bolt M8×175	6
94-1	Bolt M10×25	12
95	Discontinued	N/A
96	Washer 12	18
97-1	Bolt M10×70	1
98	Screw M6×20	4
99	Chain Pad (Right)	1
100	Chain Pad (Left)	1
101	Lever Knod	1
102	Lever	1
103	Discontinued	N/A
104-1	Pin 5x30	1
105	Orientation Nut	1
106	O-Ring 17×1.8	1
107	O-Ring 11.2×1.8	1
108	Lever Mount Bracket	1

PARTS LIST

No.	Description	Qty
109	Seal FB17×47×7	1
110	Spring	1
111	Steel Ball 6	1
112	Gearshift Fork Shaft	1
113	Gearshift Fork	1
114	Slip Duplex Pulley	1
115	Ciclip 15	1
116	Rivet Assembly	1
117	Joint Bolt	1
118	Plate	1
119	Expansion Brake Cover	1
120	Bolt M8×30	3
121	Bolt	1
122	Brake Pull Plate	1
123	Brake Disk	2
124	Spring	2
125	Vent-Plug	1
126	Gasket	1
127	Bearing 6302	1
128	Pulley	1
129	Shaft I	1
130	Swing Plate	2
131	Bolt M6×20	2
132	Pulley	1
133	Big Washer 6	4
134	Seal FB16×22×4	2
135	Pin 12×20	2
136	Gear Box Case (R)	1
137	Clutch Fork Shaft (R)	1
138	Plug	2

No.	Description	Qty
139	Screw M8×25	2
140	Clutch Fork Shaf	2
141	Bearing 6303	5
142	Gear II-5	1
143	Gear II-4	1
144	Gear II-3	1
145	Gear II-2	1
146	Gear III-4	1
147	Gear III-3	1
148	Gear III-3 Bush	1
149	Gear III-2	1
150	Gear Shaft III	1
151	Shaft II	1
152	Key C5×20	2
153	Bush 1	1
154	Bush 2	1
155	Gear II-1	1
156-1	Output Shaft	2
157	Output Gear Bush Gasket	1
158	Gear Box Case (L)	1
159	Washer Groupware 14	1
160	Plug M14×1.5	1
161	Clutch Fork Shaft (L)	1
162	Cable Connecting Plate Weldment	1
163	Bolt M8×130	6
164	Output Gear Bush Gasket	2
165	Ciclip 25	2
166	Spring Gasket	4
167	Clutch Bush	2
168	Joint Bush	2

No.	Description	Qty
169	Ciclip 26	2
170	Joint Bush Composite Bushing	2
171	Joint Bush	1
172	Output Gear	1
173	Ciclip 58	2
174	Steel Ball 5	42
175	Spring Gasket	2
176	Spring Guidebush	2
177	Clutch Spring	2
178	Gasket 1	4
179	Screw M10×50	2
180	Driving Wheel	2
181-1	Output Shaft House	2
182	Guard Cover	1
183	Bolt M8×20	10
184	Output Shaft Composite Bushing	4
185	Seal FB42×25×7	2
186	Right Wheel	2
187	Cable Stopper (Short)	3
188	Washer 48×12.5×4	2
189	Screw M6×16	2
190	Spring Washer 10	1
191	Bolt M10×16	1
192	Fixed Plate	1
193	Ciclip 22	1
194	Support Sleeve	1
195	Nut M6	1
196	Pin 3×30	1
197	Lock Nut M12	17
198	Thin Nut M6	1

Tame the Great Outdoors®

YARDMAX®

844-YARDMAX *(844-927-3629)* | **info@yardmax.com**