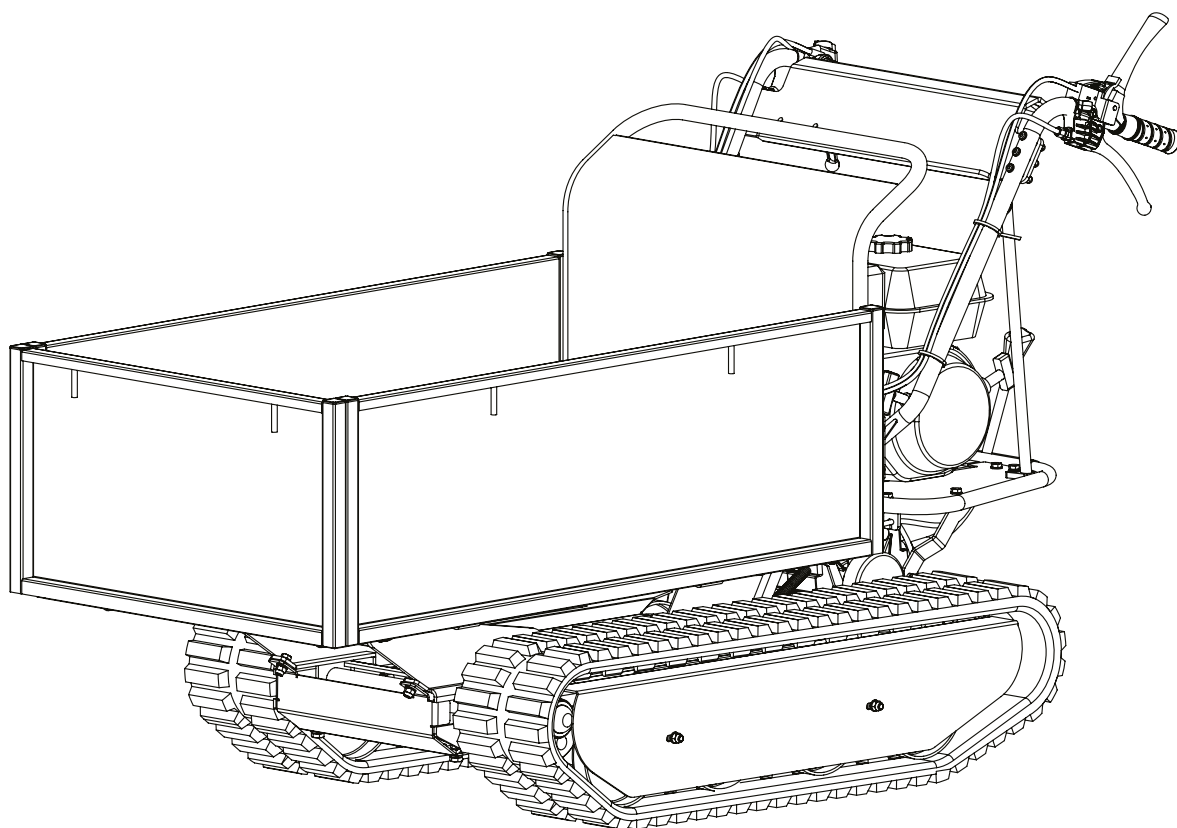




**BLUEBIRD  
INDUSTRIES**



## Operator's Manual

MODEL: CARRIER 500H

SERIAL NUMBER: \_\_\_\_\_

Both the model and the serial number can be found on the main label.  
You should keep both in a safe place for future use.

## FOR YOUR SAFETY

READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE USING THE  
MACHINE

## INDEX

|                             |    |
|-----------------------------|----|
| Introduction                | 2  |
| Technical data sheet        | 2  |
| Symbols                     | 3  |
| Safety                      | 4  |
| General safety instructions | 4  |
| Specific safety rules       | 6  |
| Unpacking                   | 7  |
| Supplied components         | 8  |
| Getting to know the machine | 11 |
| Operation                   | 13 |
| Maintenance                 | 15 |
| Storage                     | 21 |
| Hydraulic diagram           | 21 |
| Troubleshooting             | 22 |

## INTRODUCTION

The carrier will be able to fully meet your expectations. It has been built following strict quality standards to meet superior performance criteria. It is easy and safe to use, and with proper care it will be able to work for many years.



Carefully read this manual before using the machine. Pay particular attention to the precautions and the warnings.

The 4-speed gearbox, 3 forward plus reverse, is located in the center of the machine. It is oversized to safely handle the enormous torques generated by the engine. Thanks to its efficient reducer, it is able to move in any situation and withstand any load.

The manufacturer is responsible for the engine regarding performance, power level, features, warranty, and maintenance. For more information, refer to the manual provided by the manufacturer, packaged individually with the unit.

## TECHNICAL DATA SHEET

|                                |                      |                                              |
|--------------------------------|----------------------|----------------------------------------------|
| Model                          | CARRIER 500H         |                                              |
| Engine                         | 196cc, 6.5 HP        |                                              |
| Transmission                   | 3F+1R                |                                              |
| Flow rate                      | 500 Kg               |                                              |
| Body length                    | 950 mm               |                                              |
| Body width                     | 680 mm               |                                              |
| Body depth                     | 465 mm               |                                              |
| Track width                    | 180 mm               |                                              |
| Pump flow rate                 | 10.8 L/min           |                                              |
| Sound power level              | 101 dB(A) k=2 dB(A)  |                                              |
| Sound pressure level           | 81.5 dB(A) k=2 dB(A) |                                              |
| Vibration level on the handles | Left                 | 10.1 m/s <sup>2</sup> k=1.5 m/s <sup>2</sup> |
|                                | Right                | 11.3 m/s <sup>2</sup> k=1.5 m/s <sup>2</sup> |
| Weight                         | 255.5 Kg             |                                              |

## ENVIRONMENTAL PROVISIONS



This symbol indicates that the product must not be disposed of with other household waste. To avoid possible damage to the environment or to people's health caused by uncontrolled waste disposal, recycle the product responsibly to promote the sustainable reuse of material resources. To return the used device, use collection systems or consult local authorities or local stores for advice on environmentally safe recycling.

## SYMBOLS

The identification plate on the machine may display these symbols. These represent important product information or instructions for its use.



Wear eye protection. Wear ear protection.



Read these operating instructions carefully.



Wear safety footwear.



Wear safety gloves.



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



Stay away from the hot parts of the machine.



Do not smoke and do not allow open flames.



Do not touch rotating parts.



Never start the machine inside an enclosed space.



Do not operate on slopes with an angle greater than 20°.



Do not point your head downhill on slopes with a full load.



Objects projected into the surrounding area



Keep hands and feet away from moving parts.  
Risk of crushing and cuts.



Warning! Keep hands away from the space between the body and the frame.



Risk of objects being thrown.



Risk of overturning!



The maximum horizontal lifting angle should not exceed 10 degrees.



The maximum longitudinal lifting angle must not exceed 20 degrees.



Exhaust fumes are dangerous, they contain carbon monoxide. Staying in the work area can cause loss of consciousness and death.



Always turn off the engine before starting maintenance.



Do not allow anyone to sit or stand in the body during driving.



Keep children and bystanders away.

# SAFETY

## General safety standards

### Understand the operation of the machine

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

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

Be sure to read and understand all instructions and safety precautions as described in the engine manual sent separately with the machine. Do not operate the machine before fully understanding its operation and how to avoid accidental injuries and/or damage to property.

In case of sale, loan, or transfer of the machine to another user, also forward this manual and any information on safety devices. The user is responsible for accidents or injuries that may occur to themselves, to other people, or to property.

Do not overload the machine. Use the machine correctly.

### Personal safety

Do not allow children to use the machine.

Keep children, pets, and other people not using the carrier away from the work area. Pay attention and turn off the machine if someone enters the work area. Keep children at a distance and under the supervision of a responsible adult.

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

Dress appropriately. Wear long, heavy pants, boots, and work gloves. Do not wear loose clothing, shorts, or any kind of jewelry. Tie hair above the shoulders. Keep hair, clothing, and gloves away from moving parts.

Loose clothing, jewelry, and long hair can get caught in moving parts.

Protect your eyes, face, and head from objects that may be thrown by the machine. Always wear safety glasses or protective goggles with side shields while operating the machine.

Wear protective headphones!

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

Always keep hands and feet away from all danger points.

Do not touch parts that may be hot from operation. Allow parts to cool before performing maintenance, modifying, or repairing.

Pay attention to every operation and movement while using the machine and always use common sense.

Do not lean over the machine. Do not use the machine barefoot or if wearing sandals or light footwear. Wear protective footwear that can protect your feet and improve stability on slippery surfaces. Always maintain correct foot position and proper balance. This allows better control of the machine in case of unexpected situations.

### Inspect the machine

Carefully check the machine before each start-up. Keep the guards in place and in order. Make sure that nuts, bolts, and screws are tightened securely.

Never operate the machine when it needs repair or is in poor mechanical condition. Replace any damaged, missing, or malfunctioning components before operating the machine. Check for fuel leaks. Keep the machine in safe working condition.

If the switch is faulty, do not use the machine. Any gasoline-powered machine that cannot be controlled by the switch is dangerous and must be repaired.

Frequently check that adjustment wrenches are removed from the machine's operating area before turning it on. A wrench or adjustment key left attached to rotating parts can cause personal injury.

Avoid accidental starts. Make sure the engine is off before transporting the machine or performing maintenance on it.

Transporting, maintaining, or repairing a machine with the switch on can cause accidents.

If the machine starts to vibrate abnormally, stop the engine and immediately look for the cause. Vibration is generally a warning of damage.

### **Engine safety**

This machine is equipped with an internal combustion engine. Do not use the machine near forests or bushes unless the exhaust system is equipped with a spark arrestor in accordance with local or state regulations.

In the state of California, the law requires the use of a spark arrestor. Other states have similar laws. Properly maintain the flame arrestor as well, when used.

Never start the machine inside an enclosed environment. Exhaust fumes are dangerous; they contain carbon monoxide, an odorless and deadly gas. Use the machine only in a well-ventilated outdoor space.

Do not tamper with the engine in an attempt to make it run at higher speeds. The maximum engine speed is preset by the manufacturer and is within safety limits. Refer to the engine manual.

Keep a class B fire extinguisher handy when using this machine in dry areas as a precautionary measure.

### **Fuel safety**

Gasoline is extremely flammable and its vapors can cause explosions. Take precautions during use in order to reduce the risk of serious personal injury.

When refueling or draining fuel, use an approved container and perform these operations only in a well-ventilated outdoor area. Do not smoke while adding fuel or operating the machine. Keep away from sparks, open flames, or other sources of ignition. Do not refuel in enclosed spaces.

Keep grounded conductive objects away from live metal parts and connections to avoid sparks or electric arcs. Fumes or vapors may be ignited.

Turn off the engine and let it cool before refueling. Never remove the fuel tank cap or refuel while the engine is running or still hot. Do not operate the machine if you are aware of leaks in the fuel system.

Loosen the fuel tank cap slowly to release pressure before refueling.

Do not overfill the fuel tank. With engine heat, fuel expands; therefore, fill up to 12 mm below the lower edge of the filler neck. This way there is room for fuel expansion.

Reinstall the container and tank caps securely. Never use the device without the fuel tank cap firmly in place.

Avoid creating an ignition source for spilled fuel. If gasoline has spilled, do not attempt to start the engine. Move the machine away from the fuel spill area and avoid creating ignition sources until the gasoline vapors have dissipated.

If you come into contact with gasoline, wash your skin immediately and change clothes.

Store fuel only in containers specifically designed and approved for the storage of such materials.

Store in a cool, well-ventilated place, away from heat sources, open flames, sparks, and other sources of ignition.

Do not store fuel or a machine with fuel in the tank inside a building where vapors can reach a spark, open flames, or other sources of ignition, such as a water heater, boiler, dryer, and the like. Always let the engine cool before storing the machine in an enclosed environment.

### Specific safety standards

Keep the work area clean and free of debris to avoid tripping. Operate on level and even ground.

Be aware of any moving parts during assembly, installation, operation, maintenance, repair, or transport.

Keep all bystanders, children, and pets at least 23 m away. If anyone approaches, immediately turn off the engine.

Do not stack anything on the bed and do not carry passengers.

Do not park the machine on unstable ground that could give way, especially with a load on it.

Always release the clutch lever before starting the engine.

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

Never leave the machine unattended with the engine running.

Always hold the carrier with both hands during operation. Maintain a firm grip on the handles. The machine may unexpectedly bounce upward or jump forward if it hits hidden obstacles such as large rocks or roots.

Walk, never run with the machine.

Do not overload the machine. Always drive at a safe speed, and adjust the speed according to the slope of the ground, road surface conditions, and the weight of the load.

Use extreme caution when reversing or when pulling the carrier toward yourself.

Use extreme caution when operating in areas with gravel or on roads. Always watch out for hidden hazards.

Set first gear/reverse on soft ground. Do not accelerate quickly, steer sharply, or stop suddenly.

Pay maximum attention when working on icy ground, as the machine may skid.

Do not use the machine in confined spaces where the operator may become trapped between the machine and other objects.

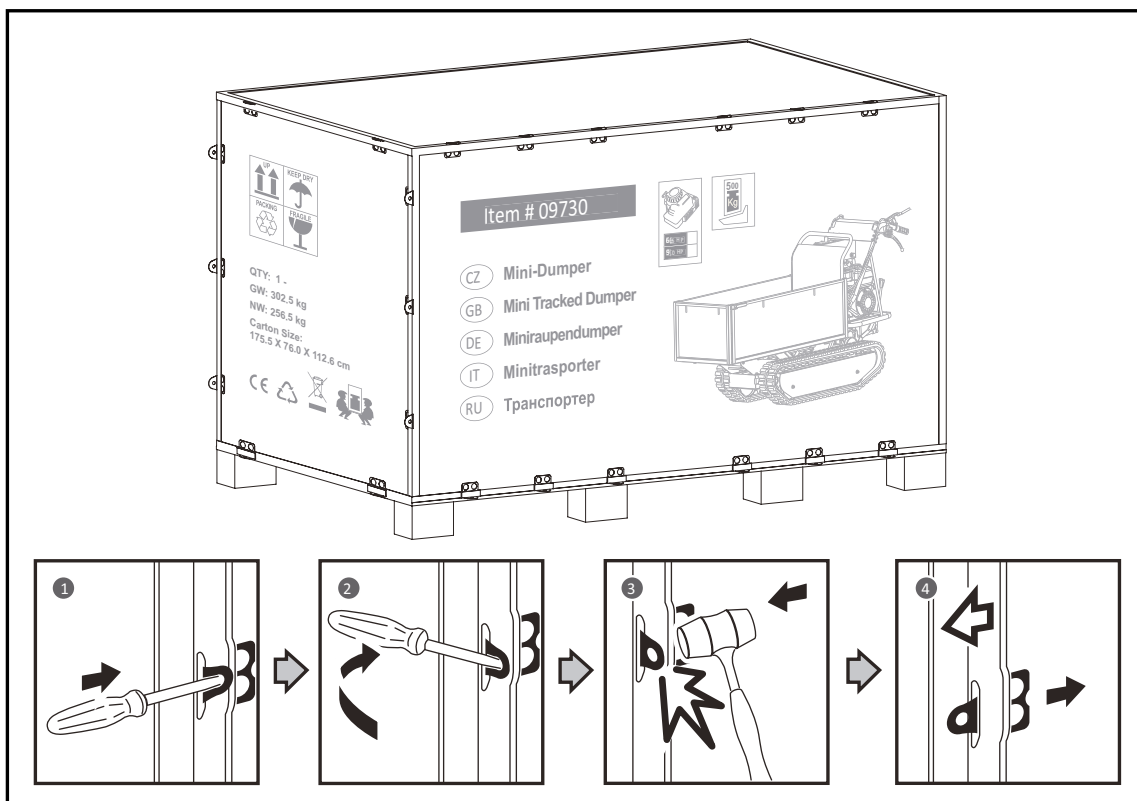
Do not use the machine on slopes with a slope greater than 20°.

When operating on a slope, whether forward or backward, always ensure that the weight is evenly balanced. Always move in directions parallel to the slope. Do not change gears on slopes.

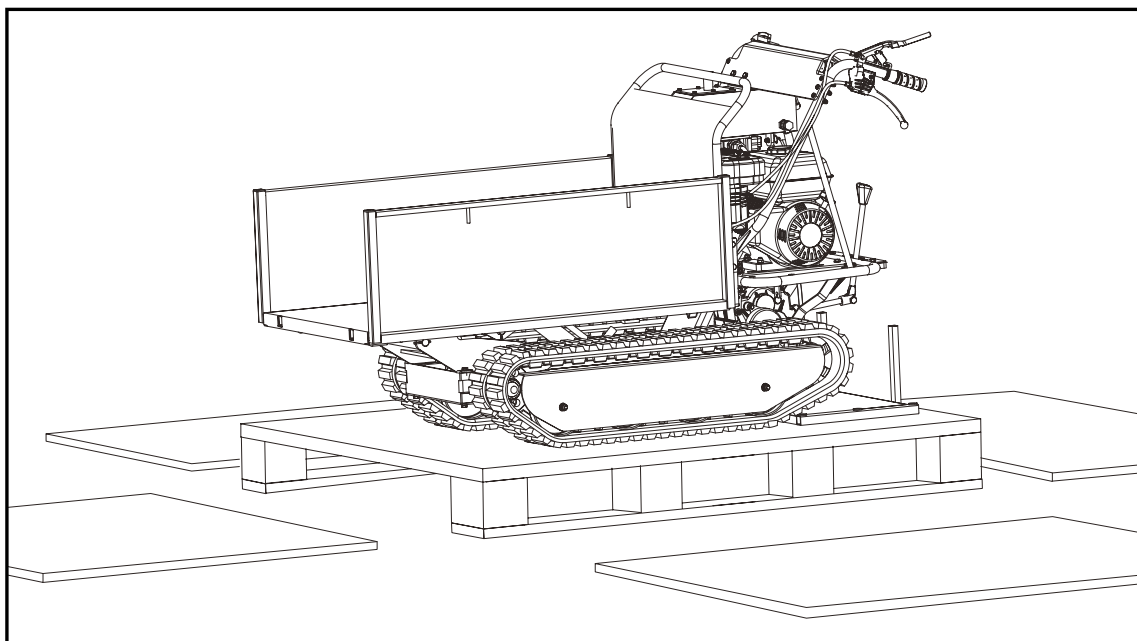
When unloading the bed, the center of gravity changes continuously and ground conditions are essential for the stability of the machine. Use extra caution and control when emptying the bed on unstable ground, such as clay or wet soil.

## UNPACKING

Use the screwdriver and a hammer to open all the side locks.

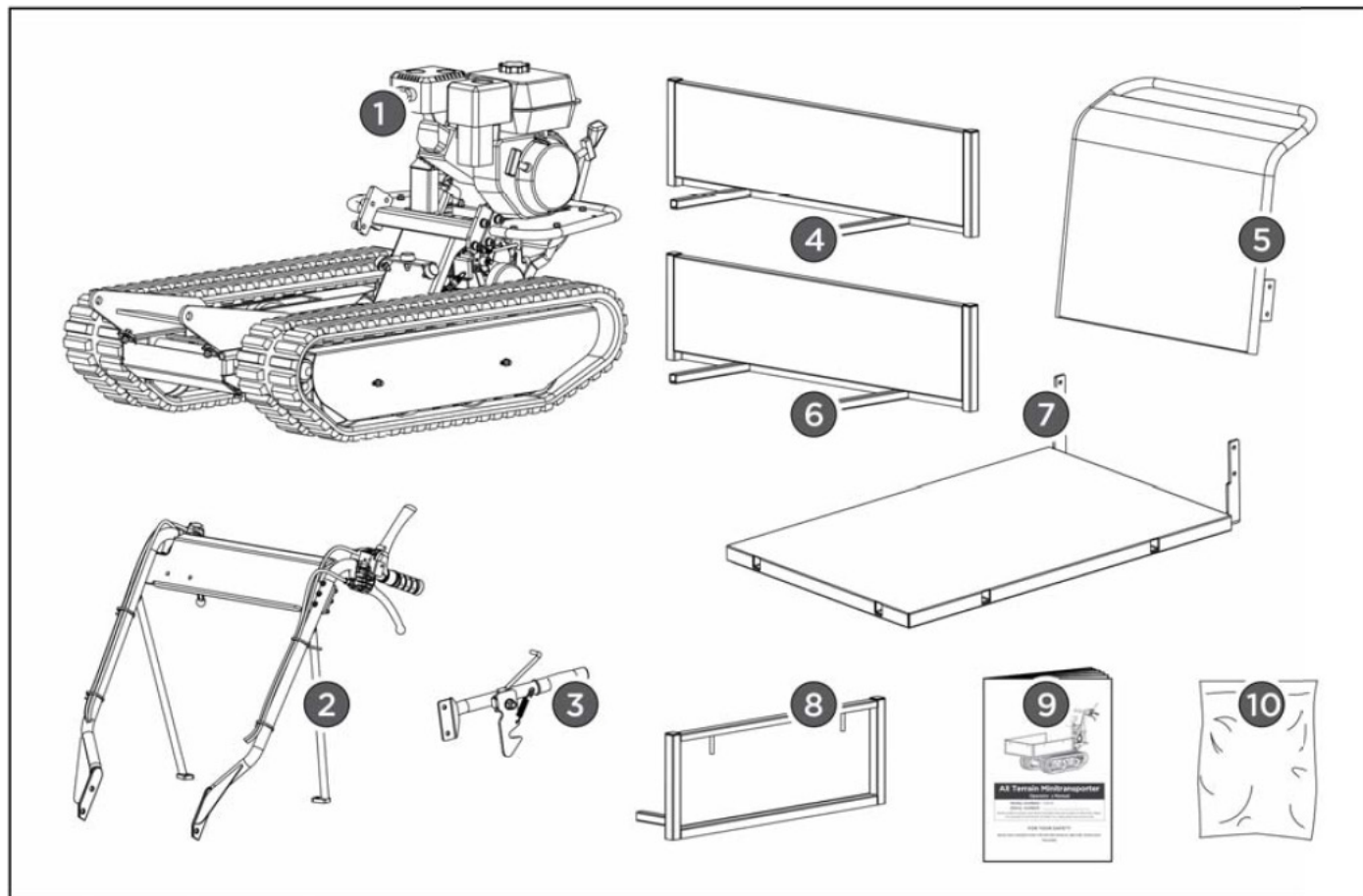


Remove all plywood panels and remove all parts of the pallet.



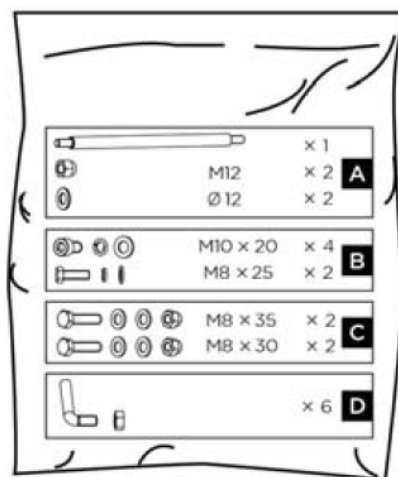
## SUPPLIED COMPONENTS

The carrier is supplied partially assembled and is shipped in carefully packed packages. After all the parts have been removed from the package, you should have:



1. Main body
2. Handlebar
3. Knob
4. Side panel
5. Rear panel

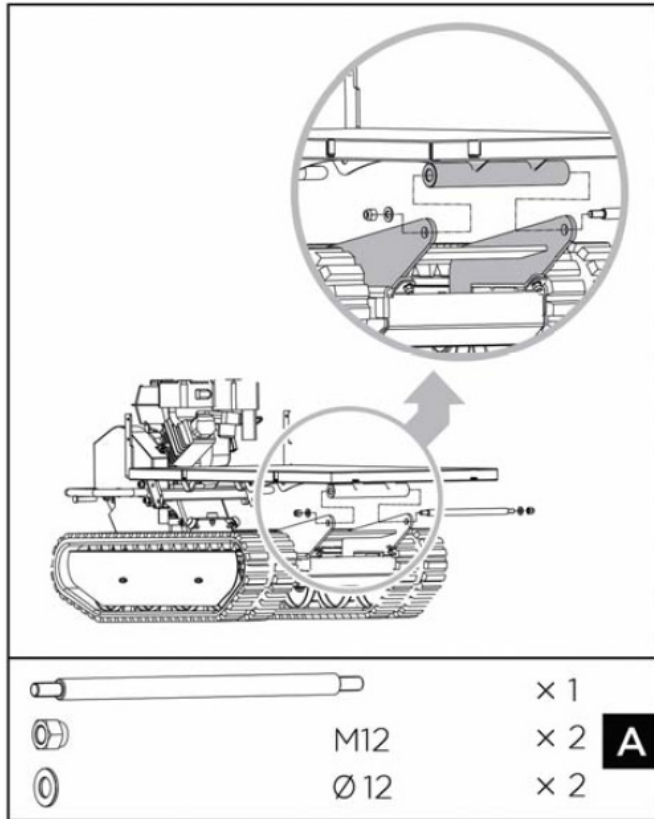
6. Side panel
7. Bottom panel
8. Front panel
9. Instruction manual
10. Small parts bag



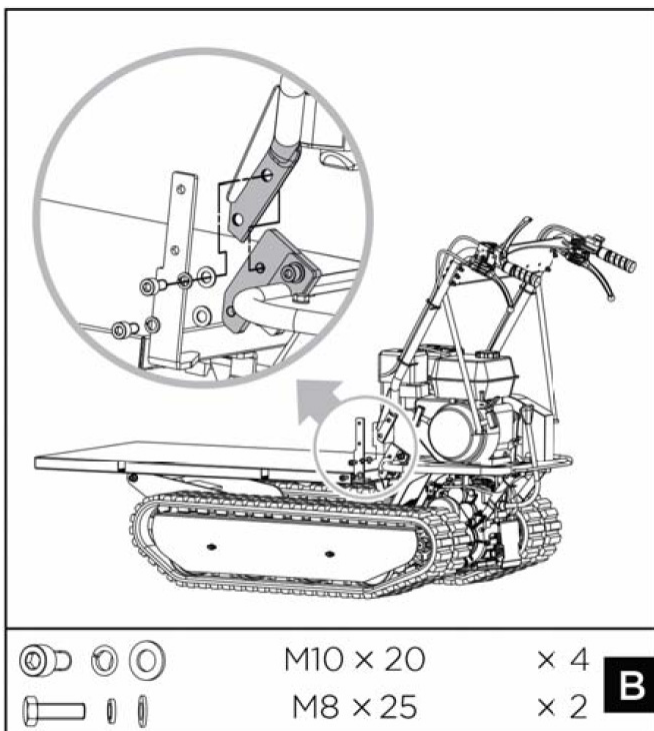
## ASSEMBLY

By following the assembly instructions below, the machine can be assembled in a few minutes.

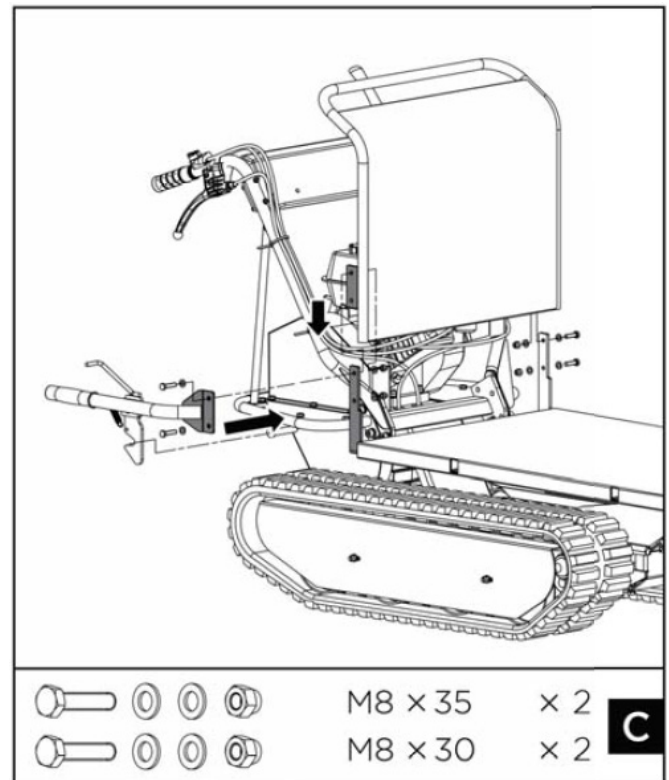
### Machine assembly



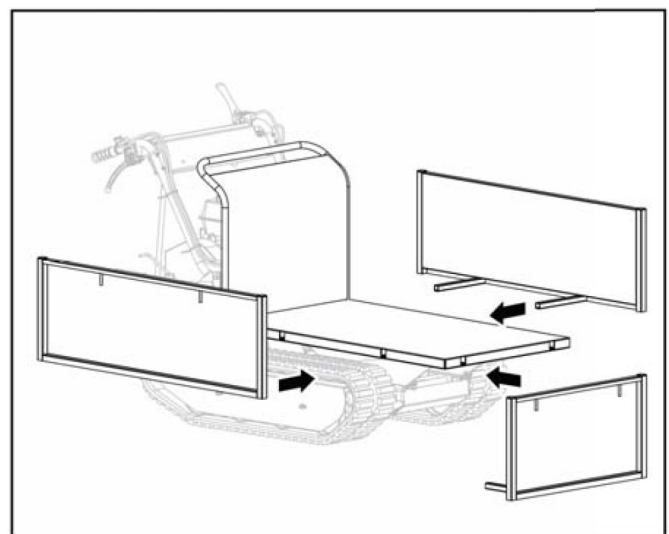
Place the bed base in the mounting bracket. Align the holes with the mounting bracket. Insert a bolt through the holes and secure each side with a flat washer and a nut.

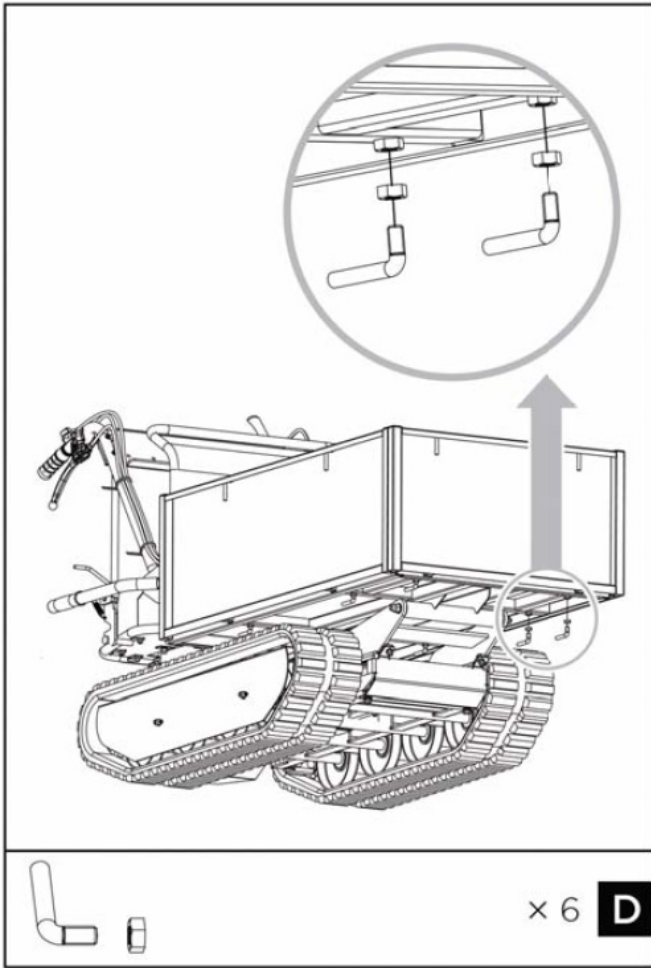


Align the handlebar mounting holes with the bracket and secure each with the washer, flat washer, and M10x20 bolt. Secure each handlebar support above the engine bridge with a washer, flat washer, and M8x25 hex bolt.



Place the rear panel in the mounting bracket and align it with the holes in the bracket. Secure the left side of the panel with two M8x30 hex bolts, four washers, and two nuts. Install the tipping handle on the right side. Align the holes and tighten with two M8x35 hex bolts, four washers, and two nuts.





Insert the extendable sides into the mounting slots located on the bottom panel and fasten them at the end with two pins and locknuts.

#### Engine oil



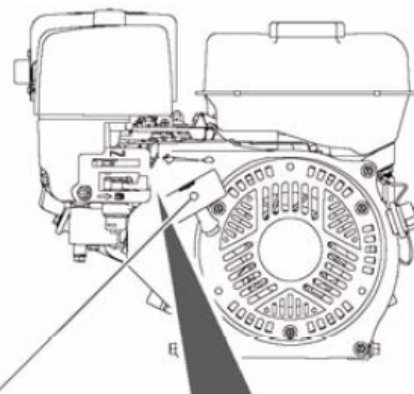
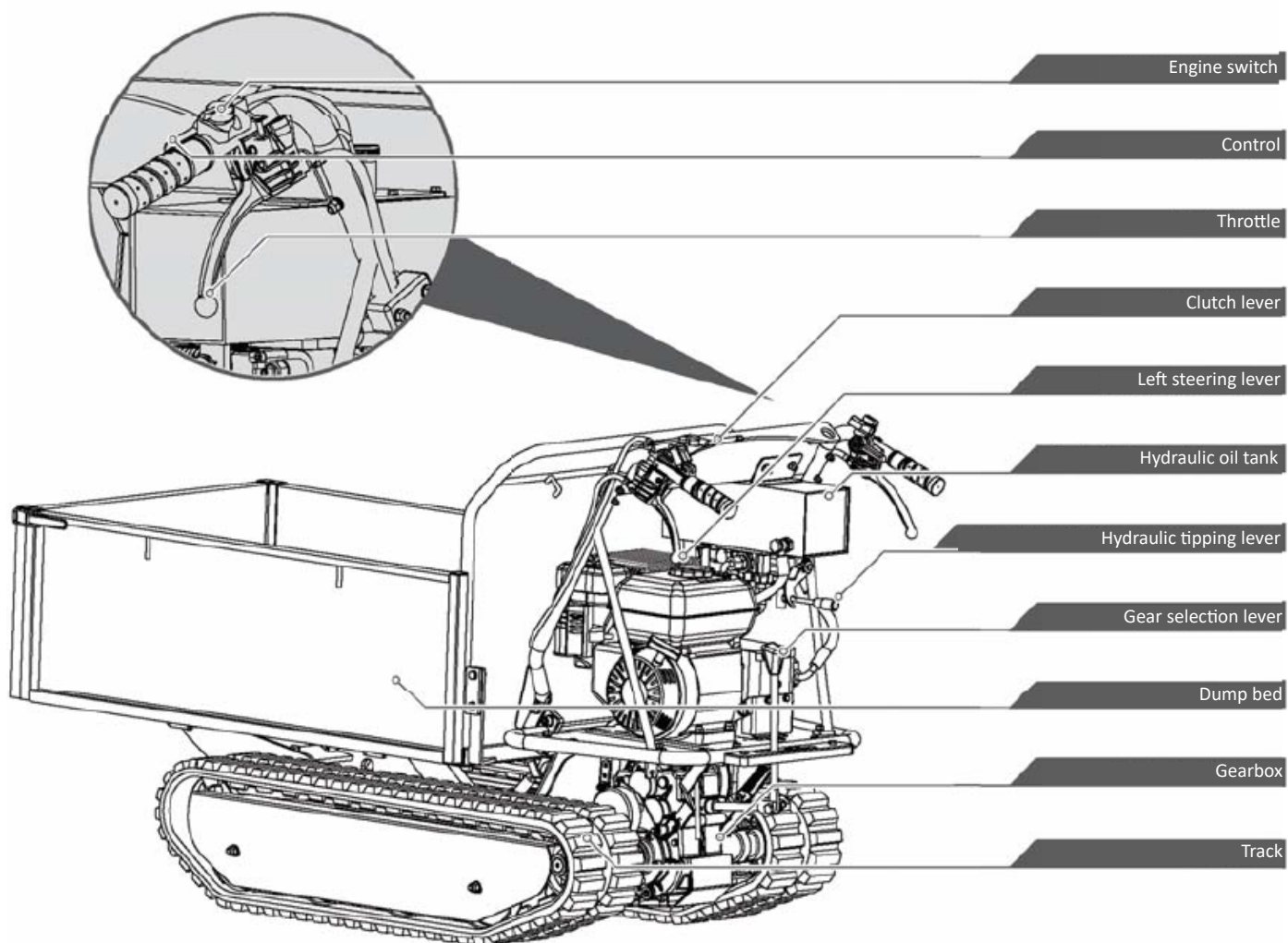
**The oil has been removed from the engine to allow for shipping.**

Failure to fill the engine tank with oil before starting the engine will cause permanent damage and void the engine warranty.

Fill with engine oil according to the maintenance schedule.

# KNOW THE MACHINE

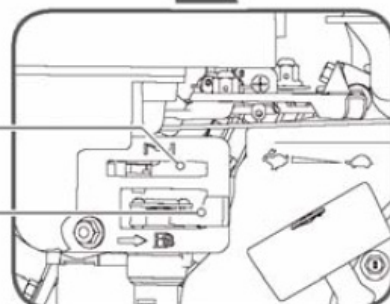
## Features and controls



Recoil starter handle

Choke lever control

Fuel shut-off valve



## Gear selection lever

The gear selection lever has 4 positions: 3 forward gears and 1 reverse gear for both high and low speed. To change speed, move the speed shift lever to the desired position. The lever locks into a notch at each selected speed.



Always release the clutch control before changing gear. Failure to Performing this procedure will cause damage to the motorized minitransporter.

Lower gears are dedicated to heavier loads, while higher gears are for transporting light loads or with an empty bed.

It is recommended to use low gears until you are fully familiar with the operation of the motorized minitransporter.

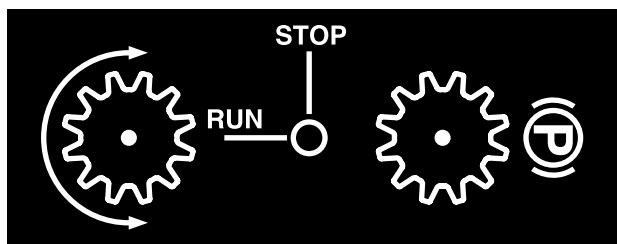
If under load, the engine slows down or the tracks slip, shift to a lower gear. If the front part of the machine tends to rear up, shift to a lower gear. If it continues to rear up, lift the machine by operating the handlebar.

## Left/right steering lever

Operate the lever to turn left / right.



Operate the steering levers only at reduced speed.

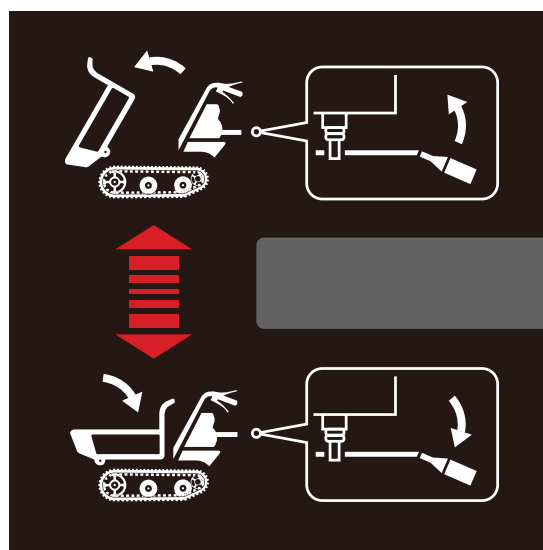
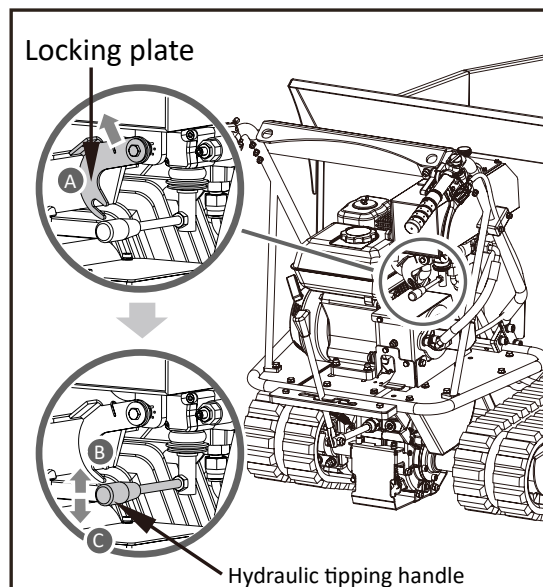


## Hydraulic tipping lever

Using your left hand, pull the locking lever until the tipping handle is released and hold it in position.

To lift the bed, pull the tipping handle upwards until the container has reached the desired position. To stop lifting the bed, simply release the tipping handle and return the locking plate to its original position.

To lower the bed, first pull up the locking plate with your left hand to release the tipping handle, then pull the tipping handle down with your right hand. When the bed is lowered to its original position, release the tipping handle to its original position and securely lock it with the locking plate.



## Engine ON/OFF switch

The engine switch has two positions. OFF - the engine does not start and does not run. ON - the engine starts and runs.

## Recoil starter handle

The recoil starter handle is used to start the engine.

## Fuel shut-off valve

The fuel shut-off valve has two positions:

CLOSED (chiuso) (  ) - use this position for repair, transport, or storage of the carrier.

OPEN (aperto) (  ) - use this position to operate the machine.

## Speed control

The throttle control regulates the speed of the engine, and moves between FAST (veloce) (  ), SLOW (lento) (  ), and the STOP positions.

The throttle control turns off the engine when moved to the STOP position.

## Choke lever

The choke lever is used to choke the carburetor and facilitate engine starting. The choke lever can be moved from CLOSED (chiuso) (  ) and OPEN (aperto) (  )



Never use the choke to stop the engine.

## Clutch control

By pulling the control lever, the clutch engages. By releasing the control lever, the clutch disengages.

# Operation

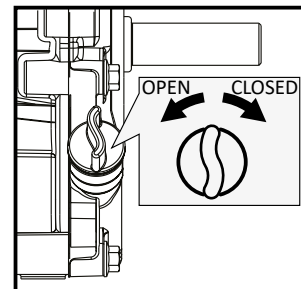
## Refilling engine oil



The engine is shipped without oil. Do not start the engine before adding oil. Please refer to the engine manual for the correct oil grade to add.

1. Make sure the carrier is on a flat and level surface.

2. To top up the oil, remove the dipstick.



3. Using a funnel, add oil up to the FULL mark on the dipstick. (Refer to the engine manual for the amount of oil, oil type recommendations, and the location of the filler cap.)



DO NOT LEAN OVER THE MACHINE. Check the engine oil level daily and refill if necessary.

## Supply gasoline to the engine



Gasoline is highly flammable and explosive. Risk of burns or serious injury when handling fuel. Use extreme caution when handling gasoline.



Refer to the open air, never indoors. Gasoline vapors can catch fire if collected in an indoor area. Risk of explosion.

1. The engine must be turned off and allowed to cool for at least two minutes before adding fuel.
2. Remove the oil cap and fill the tank. (Refer to the engine manual for the fuel quantity, recommendations, and the location of the fuel cap.)

**IMPORTANT: DO NOT OVERFILL TOO MUCH!**

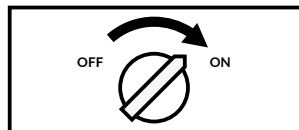
An excessive amount of fuel can cause permanent damage to the components of the evaporative emissions control system. The filling to the recommended level allows the fuel to expand. Pay close attention during the filling of the tank with fuel tank. Use a container portable with a dispensing spout of adequate size during the filling of the tank. Do not use a funnel or other tool that does not allow you to visually monitor the filling of the tank.



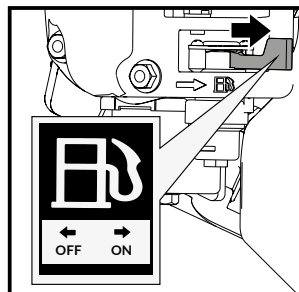
3. Reinstall the tank cap and tighten. Immediately clean up any spilled fuel.

**Engine starting**

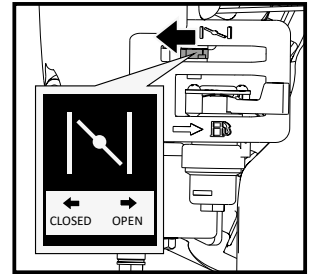
1. Set the switch to ON.



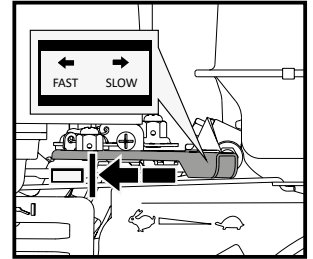
2. Open the fuel shutoff valve.



3. Move the choke lever to the CLOSED position.



4. Slightly move the throttle lever to the FAST position.



5. Pull the recoil starter until the engine starts. Return it to the rest position after each pull. Repeat the steps as needed. Once the engine has started, set the throttle to the FAST position before using the machine.



The rapid retraction of the starter rope (kickback) pulls the arm toward the engine. Pay special attention to this movement. Risk of injury, fractures, bruises, or sprains.

**Operation**

After the engine has warmed up, accelerate.

Engage the desired gear and slowly press the clutch control lever.

If the gear does not engage immediately, slowly release the clutch lever and try again. In this way the carrier will start to move.

The carrier has steering levers on the handlebar. To turn right or left, simply pull the steering lever to the right or left.

The sensitivity of the steering increases in proportion to the speed of the machine and the load. Without load, a light pressure on the lever is enough to turn. With load, a greater pressure is required.

The carrier has a maximum capacity of 500 kg. However, it is advisable to adjust the load according to the terrain on which the machine will be used.

It is therefore recommended to use a low gear and exercise greater caution. Keep the speed low for the entire stretch.

Avoid sharp turns and frequent changes of direction when driving on rough terrain or irregular spots with a high degree of friction.

Even if the unit is equipped with rubber tracks, pay attention when working in adverse weather conditions (ice, rain, and snow) or on types of terrain that could make the tracked carrier unstable.

Remember that, as a tracked vehicle, is subject to considerable rocking and wobbling movement when passing over bumps, holes, and steps.

When the clutch control lever is when released, the machine stops and brakes automatically.

If the machine is stationary on a steep slope, place a wedge against one of the tracks.

### Idle speed

Set the throttle lever to the SLOW position to reduce stress on the engine when the machine is not in use. Lowering the engine speed helps to prolong engine life, save fuel, and reduce noise levels.

### Engine shutdown

To turn off the engine in case of emergency, it is enough to turn the engine switch to OFF position. Under normal conditions, follow the following procedure:

1. Move the throttle lever to the "SLOW" position (slow) (🛑).
2. Let the engine idle for one or two minutes.
3. Set the switch to OFF.
4. Move the fuel lever to the OFF position (🛑).



Avoid stopping suddenly at high speed with a full load. Risk of engine damage.



Do not move the choke control to CLOSE position to stop the engine. Backfire or damage to the engine.

## MAINTENANCE

Proper maintenance ensures a long life of the machine and its components.

### Preventive maintenance

1. Turn off the engine and disengage all control levers. The engine must be cold.
2. Keep the engine throttle lever in its SLOW position and remove the wire from the spark plug.
3. Inspect the general condition of the carrier. Check that there are no loose screws, misalignments or jammed moving parts, cracked or broken parts, and any other condition that may compromise safe operation.
4. Use a soft brush, a vacuum cleaner, or compressed air to remove all debris from the machine. Then use a high-quality light oil to lubricate all moving parts.
5. Reinstall the spark plug wire.



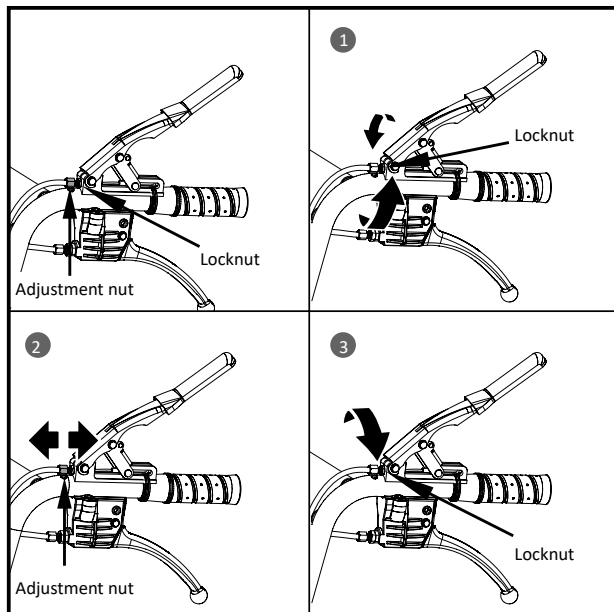
Never use a pressure washer to clean the machine. Water can penetrate into confined areas of the machine and damage pins, gears, bearings, or the engine itself. The use of pressure washers decreases the lifespan of the machine.

### Clutch adjustment

When the clutch begins to show wear, the lever opening width starts to become larger and more difficult to grip. Follow this procedure to return the clutch lever to its original position.

1. Loosen the locknut by turning it counterclockwise with a 10 mm wrench.
2. Tighten or loosen the cable by turning the adjustment nut clockwise or counterclockwise with the 10 mm wrench until the required tension is reached.

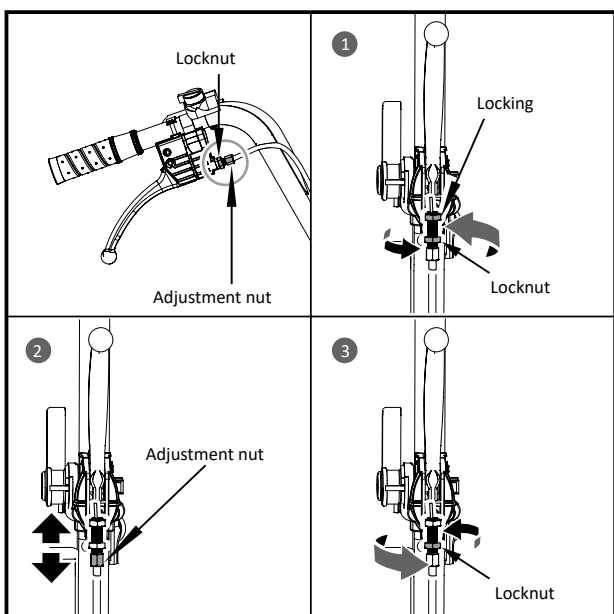
3. Once the tension has been set, retighten the locknut against the handle to keep the cable in position.



### Steering adjustment

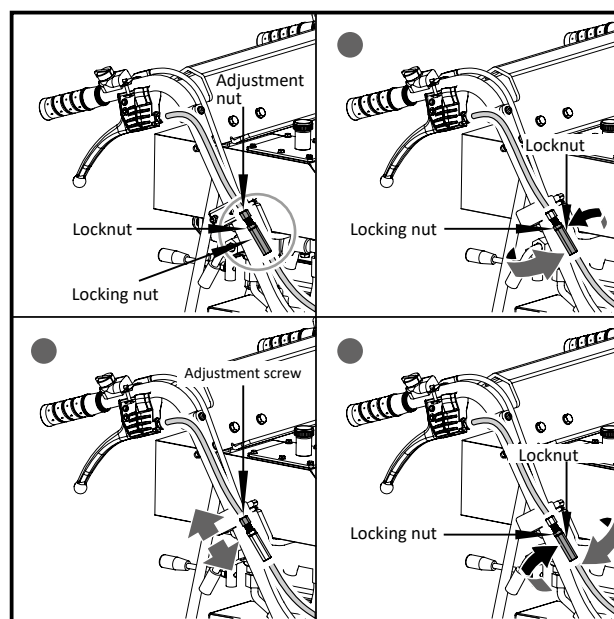
If steering becomes difficult to engage, follow the following procedures to adjust the tension of the cable.

1. Loosen the locknut by turning it counterclockwise with the 10 mm wrench.
2. Tighten or loosen the cable by turning the adjustment nut clockwise or counterclockwise with the 10 mm wrench until the required tension is reached.
3. Once the tension is set, reposition the locknut against the handle to hold the cable in place.



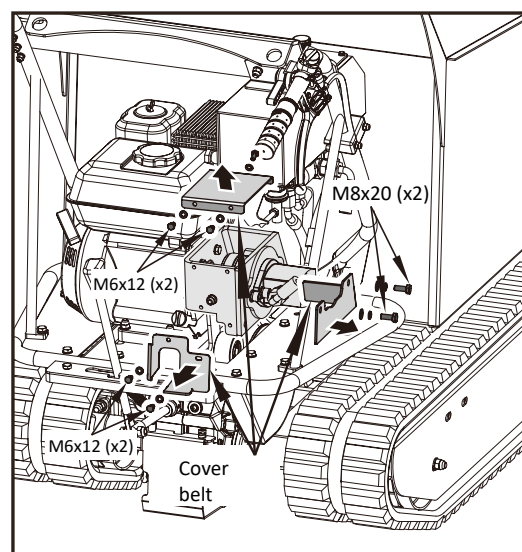
If the above adjustment does not tighten the cable enough, proceed as follows:

1. Loosen the locknut by turning it counterclockwise with the 12 mm wrench.
2. Tighten or loosen the cable by turning the adjustment nut clockwise or counterclockwise with the 10 mm wrench until the required tension is reached.
3. Once the tension is set, reposition the locknut against the handle to hold the cable in place.

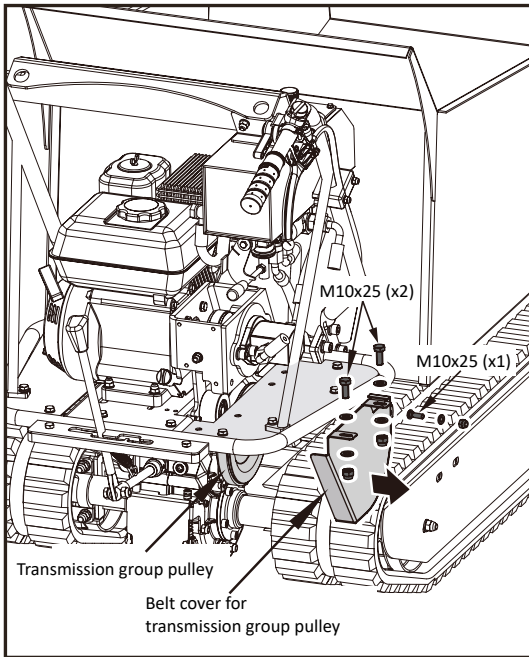


### Reinstalling the drive belt

Remove the gear selector lever knob. Loosen the six M8x20 screws and washers and remove the cover.



remove the belt cover

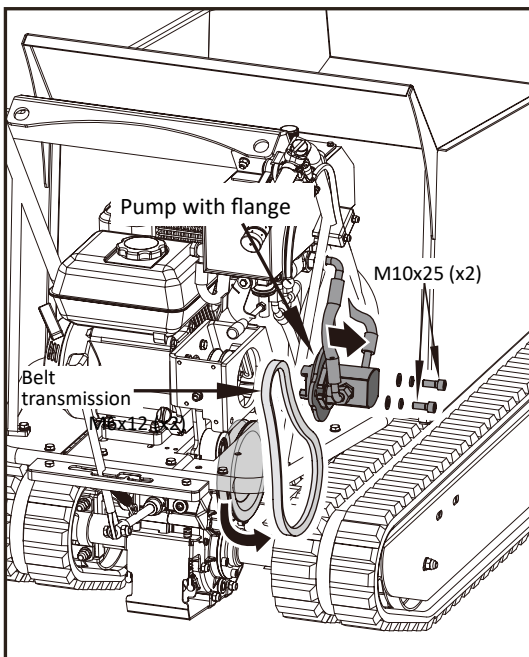


Remove the two M10x25 screws and washers, remove the pump and the flange.

Turn the pulley and remove the belt

Remove the three M6x12 screws and washers and remove the hydraulic valve and the mounting plate.

Rotate the gearbox pulley and remove the drive belt.



## Lubrication

### General lubrication

Lightly lubricate all moving parts of the machine at the end of the season or after every 25 hours of operation.

### Reducer lubrication

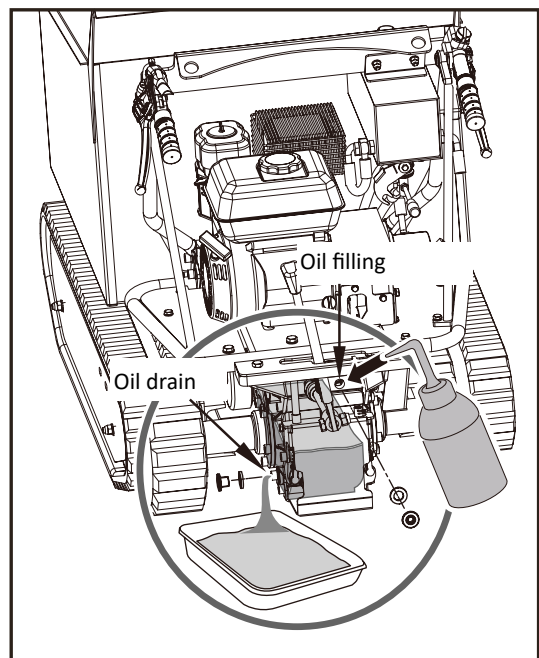
The gearbox is pre-lubricated and sealed at the factory. Unless there are leaks or the gearbox has been repaired, do not lubricate further before 50 hours of machine use.

After the first 50 hours of use, change all the gearbox oil. The capacity is 1.5L.

Afterwards, check the oil level every 50 hours of use. If you remove the level cap and no oil comes out, please top up and screw the cap back on.

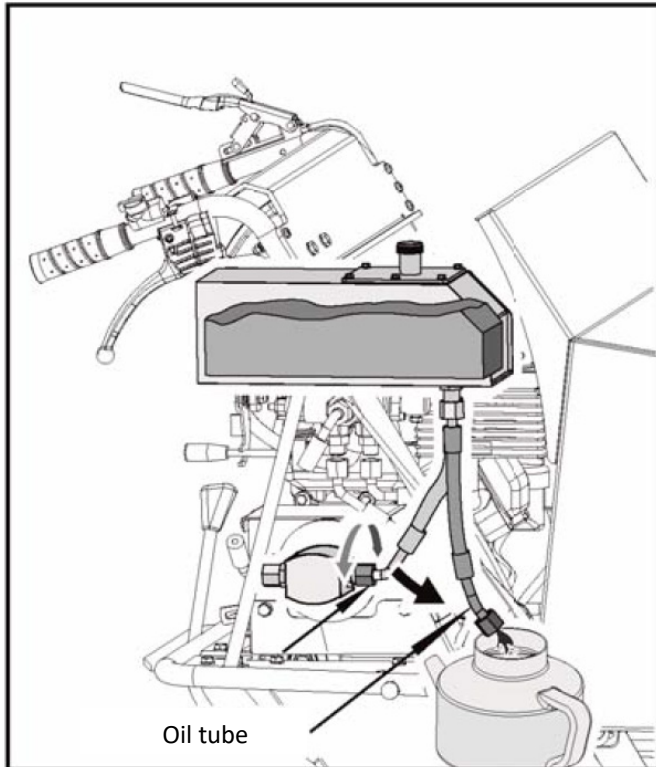
A GL-5 or GL-6, SAE80W-90 gear oil is recommended. Do not use synthetic oil.

To replace the gearbox oil, the engine must be turned off and still warm. Unscrew the filler and drain plugs. Drain the oil, fill with new oil, and then replace the filter cap.

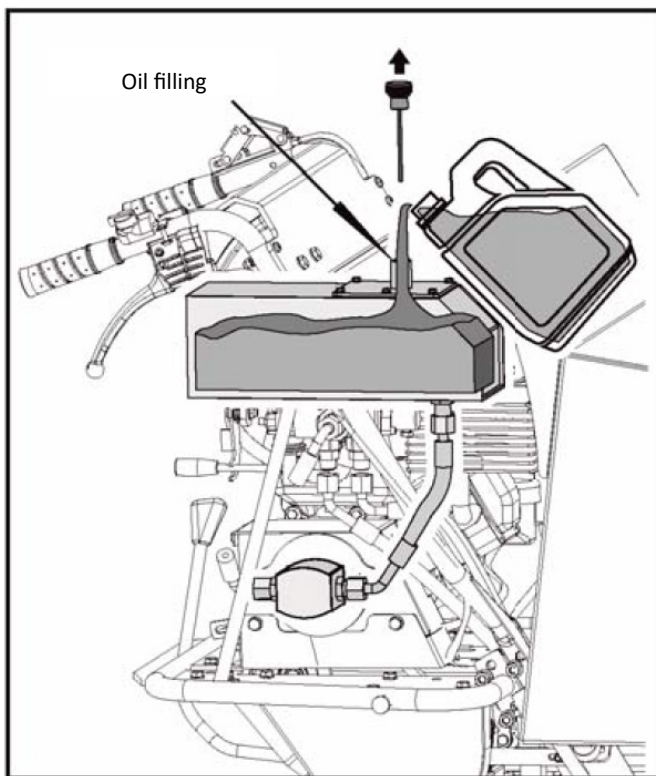


## Hydraulic oil

Unscrew the locknut to drain the oil into the container.



Remove the oil dipstick and add the oil. The following hydraulic oil is recommended: 10W AW32, ASLE H-150, or ISO 32. The capacity of the hydraulic system is 3 L

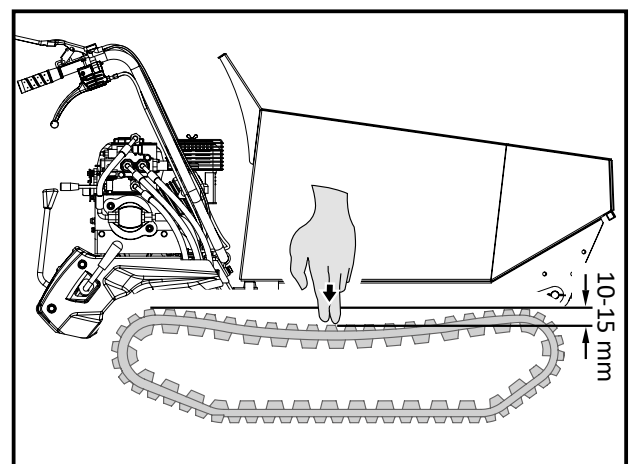


## Track tensioning

With use of the machine, the tracks tend to loosen. Loose tracks tend to slip on the drive wheel, causing it to come out of its housing and resulting in damage.

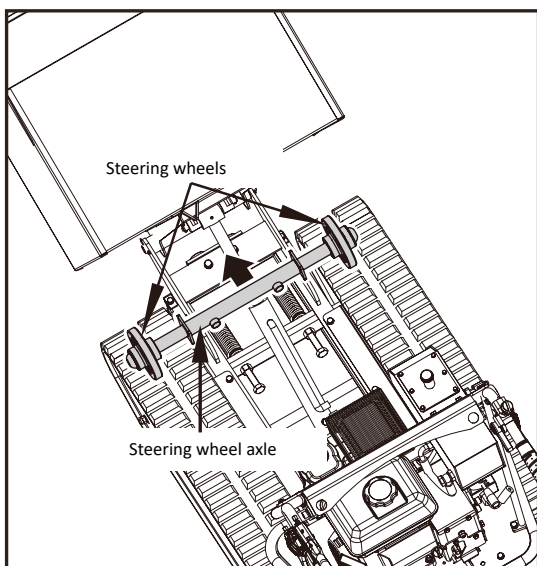
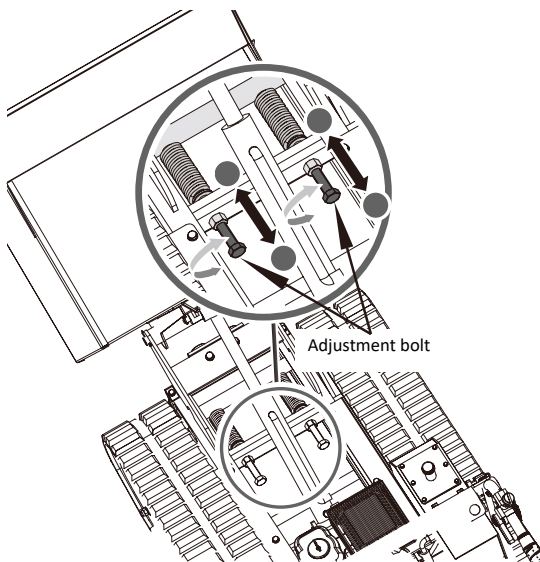
To check the track tension, proceed as follows.

1. Place the machine on a flat surface with compact ground, or on asphalt or pavement.
2. Lift the machine and set it on blocks or supports suitable for its weight so that the tracks are about 10 cm above the ground.
3. Measure the centerline of the track relative to the horizontal line. It must not exceed 10 - 15 mm



If the distance is greater, proceed as follows.

1. Use the tipping handle to lift the bed and set it on blocks or supports suitable for its weight.
2. Loosen locknut A.
3. Tighten bolt B until the correct tension is restored.
4. Carefully tighten bolt B with locknut A.
5. Return the bed to its original position.



Do not overtighten the track. The adjustment of the track and brakes are closely linked. The more the track is tensioned, the lower the braking power will be

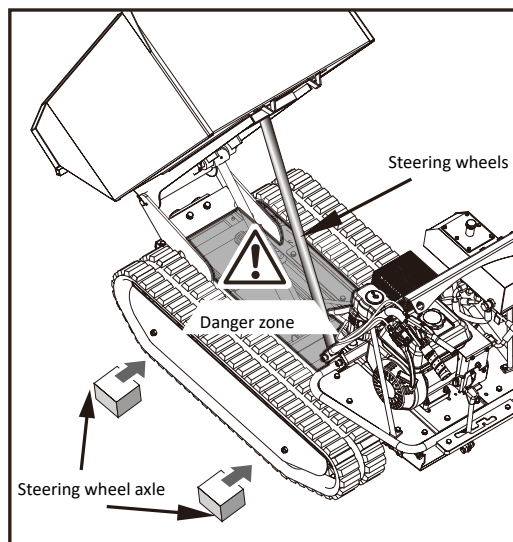


If the adjustment bolt does not have any more travel available, the tracks should be replaced.

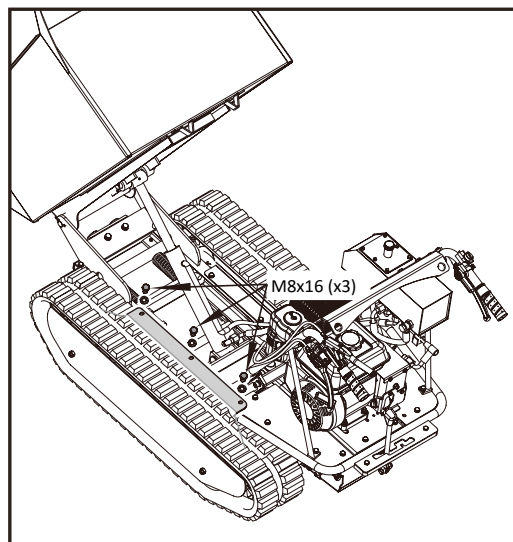
## Track replacement

Periodically check the condition of the tracks. If a track is cracked or worn, it should be replaced as soon as possible.

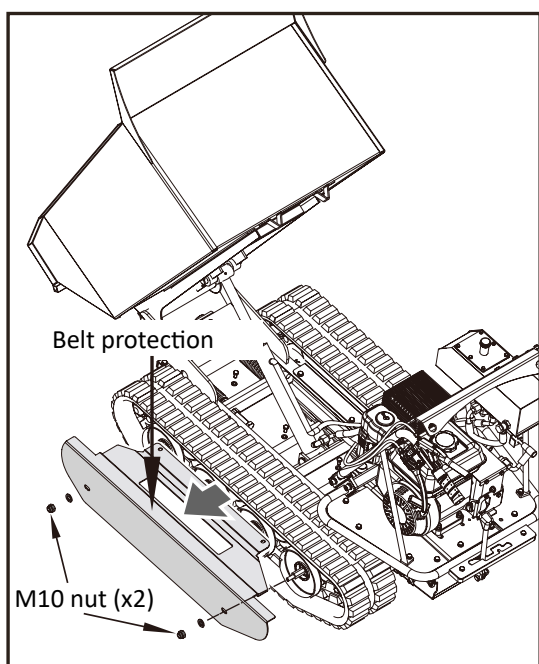
1. Lift the bed and insert a support bar for safety purposes.
2. Lift the machine and rest it on blocks or supports chosen according to the weight of the machine so that the tracks are about 100mm from the ground.



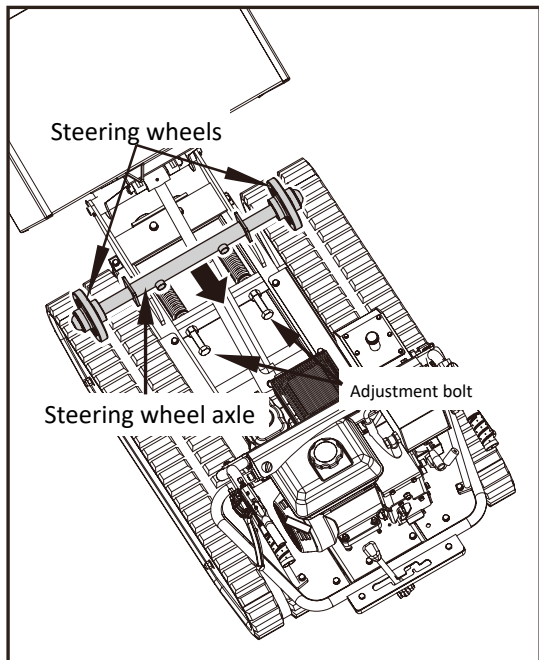
3. remove the three M8X16 screws and the washers that secure the track guards.



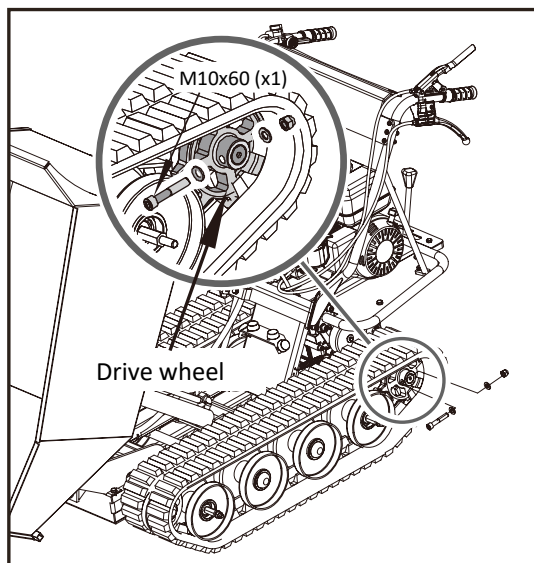
4. Remove the two M10 nuts and related washers from the track guard.



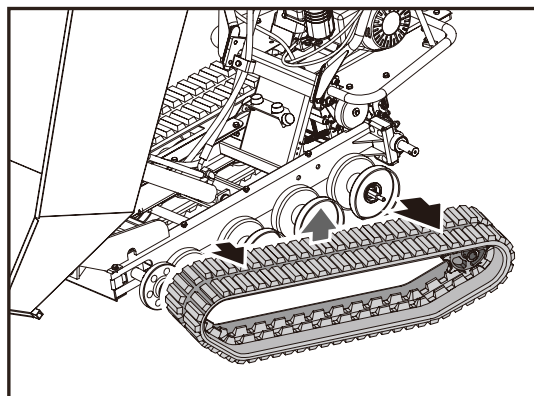
5. Loosen the adjustment bolts and pull the steering wheel axle toward the engine, thus freeing the track.



6. Remove the M10X60 screw and related washers from the drive wheel.



7. Remove the track together with the drive wheel.



When removing or installing the tracks, be careful not to get your fingers caught between the track and the pulley.

### Engine maintenance

Refer to the engine manual included with the unit for information on engine maintenance. Your engine manual provides detailed information and the maintenance schedule for proper maintenance.

## STORAGE

If the carrier will not be used for a period longer than 30 days, perform the operations listed below to prepare the unit for storage.

1. Completely empty the fuel tank. The fuel present, containing ethanol or MTBE, can begin to go stale in 30 days. Stale fuel has a high gum content and can clog the carburetor and reduce fuel flow.
2. Start the engine and let it run until it stops. This ensures that no fuel remains in the carburetor. Let the engine run until it stops. This helps to avoid the formation of gum deposits inside the carburetor and possible engine damage.
3. While the engine is still warm, drain the oil from the engine. Fill with fresh oil of the grade recommended in the Engine Manual.
4. Use clean cloths to clean the outside of the machine and keep the ventilation openings free from obstructions.



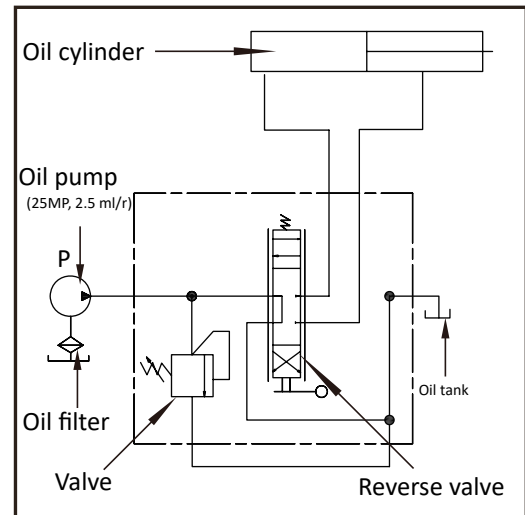
Do not use aggressive or petroleum-based cleaners when cleaning plastic parts. The agents chemicals can damage plastic

5. Check that there are no loose or damaged parts. Repair or replace damaged parts and tighten any loose screws, nuts, or bolts.
6. Store the unit on a level surface, in a dry, clean environment with good ventilation.



Do not store a machine containing fuel in an unventilated environment where fuel vapors may reach flames, sparks, pilot lights or other sources of ignition.

## Hydraulic diagram



## TROUBLESHOOTING

| Problem                                                 | Cause                                                                                                                                                                                                                                                                                                                                                             | Solution                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Failure to start the engine                             | <ol style="list-style-type: none"> <li>1. Spark plug wire disconnected</li> <li>2. Lack of fuel or stale fuel</li> <li>3. Fuel/engine valve not in ON position</li> <li>4. The choke is not in the closed position.</li> <li>5. Fuel line blocked</li> <li>6. Damaged spark plug</li> <li>7. Engine flooding</li> <li>8. Belt tension lever is engaged</li> </ol> | <ol style="list-style-type: none"> <li>1. Connect the spark plug wire</li> <li>2. Fill with fresh, clean gasoline</li> <li>3. Fuel/engine valve not in ON position</li> <li>4. The choke lever must be in the CLOSED position for cold starting.</li> <li>5. Clean the fuel line</li> <li>6. Clean, adjust the gap, or replace</li> <li>7. Wait a few minutes before restarting, do not prime</li> <li>8. Disengage the belt tension lever</li> </ol> |
| The engine runs in an irregular manner                  | <ol style="list-style-type: none"> <li>1. Loose spark plug wire</li> <li>2. The machine is running with the choke lever in the closed position.</li> <li>3. Fuel line blocked or stale fuel</li> <li>4. Blocked vent</li> <li>5. Water or dirt in the fuel system</li> <li>6. Dirty air filter</li> <li>7. Improper carburetor adjustment</li> </ol>              | <ol style="list-style-type: none"> <li>1. Connect and tighten the spark plug wire</li> <li>2. Move the choke lever to the open position.</li> <li>3. Clean the pipe Fill with fresh, clean gasoline</li> <li>4. Clear the vent</li> <li>5. Drain the fuel tank Fill the tank with fresh fuel</li> <li>6. Clean or replace the air filter.</li> <li>7. Refer to the engine manual</li> </ol>                                                           |
| Engine overheating                                      | <ol style="list-style-type: none"> <li>1. The engine oil level is low</li> <li>2. Dirty air filter</li> <li>3. Limited air flow</li> <li>4. Carburetor not properly adjusted</li> </ol>                                                                                                                                                                           | <ol style="list-style-type: none"> <li>1. Fill the engine with the correct oil</li> <li>2. Clean the air filter</li> <li>3. Remove and clean the housing</li> <li>4. Refer to the engine manual</li> </ol>                                                                                                                                                                                                                                            |
| One of the two track is blocked                         | Foreign objects between the track and the frame                                                                                                                                                                                                                                                                                                                   | Remove the foreign object                                                                                                                                                                                                                                                                                                                                                                                                                             |
| The machine does not move, while the engine is function | <ol style="list-style-type: none"> <li>1. The gear is not properly selected</li> <li>2. The track is not tight enough</li> </ol>                                                                                                                                                                                                                                  | <ol style="list-style-type: none"> <li>1. Make sure the gear lever is not set between two different gears</li> <li>2. Tighten the tracks</li> </ol>                                                                                                                                                                                                                                                                                                   |

EC DECLARATION OF CONFORMITY - HERSTELLERERKLÄRUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELIJKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇÃO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTAMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΗΛΩΣΗ ΕΚ ΣΥΜΜΟΡΦΩΣΗΣ - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:

Blue Bird Industries Fabbrica Motori SRL  
Via Due Camini 19, 36010 Zanè (VI), Italia

2) DESCRIPTION OF THE MACHINERY – BESCHREIBUNG DER MASCHINE – DESCRIPTION DE LA MACHINE – DESCRIPCION DE LA MAQUINARIA – DESCRIZIONE DELLA MACCHINA – BESCHRIJVING VAN DE MACHINE – BESKRIVELSE AF MASKINEN – DESCRIÇÃO DA MAQUINA – KONEEN NIMITYS – MATERIELSLAG – BESKRIVELSE AV MASKINERIE – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYN:

CARRIER - DUMPER

a) MAKE – FABRIKAT – MARQUE – MARCA – MARCA – MERK – MÆRKE – MARCA – MERKKI – FABRIKAT – FABRIKANT – MAPKA – MARKA:

BLUE BIRD

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / TYÖKÖ / TYP:

CARRIER 300

CARRIER 500

CARRIER 500 H

CARRIER 500 DH

CARRIER 500 DSH

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas :

- 2006/42/EC – 2014/30/EU – 2000/14/EC (2005/88/EC) – 2011/65/EU

d) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIN/YHTEISIIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

UNI EN 12100:2010 EN 474-6:2006+A1:2009 EN ISO 4413:2010

d) SERIAL NUMBER – NUMERO SERIALE – SERIENNUMMER - NUMÉRO DE SÉRIE - NÚMERO DE SERIE:

CARRIER 300: 88191021010001 - 88191099129999

CARRIER 500: 88309021010001 - 88309099129999

CARRIER 500 H: 88516021010001 - 88516099129999

CARRIER 500 DH: 88310021010001 - 88310099129999

CARRIER 500 DSH: 88419021010001 - 88419099129999

Importato da - Imported by - Eingeführt von - Importé par - Importado por:



BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

ZANÈ (VI) – ITALIA

08/01/2021

The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΠΡΟΕΔΡΟΣ – Prezes

VANDA VITELLA

(GB) Technical documentation maintained by  
(F) Documentation technique maintenue par  
(I) Documentazione tecnica conservata da  
(DK) Teknisk dokumentation tillhandhållen av  
(FI) Teknisten asiakirjojen ylläpitäjä  
(NO) Teknisk dokumentasjon vedlikeholdt av

(D) Technische Dokumentation aktualisiert durch  
(E) Documentacion tecnica mantenida por  
(NL) Technische documentatie onderhouden door  
(P) Documentação tecnica mantida por  
(SE) Teknisk dokumentation tillhandhållen av  
(GR) τεχνικό φάκελο που τηρείται από

BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

VANDA VITELLA



**BLUE BIRD INDUSTRIES** Fabbrica Motori s.r.l.

Via Due Camini, 19  
36010 ZANÉ ITALIA

Tel. 0445 314138

Fax 0445 314225

[www.bluebirdind.com](http://www.bluebirdind.com)