



LAWN TRACTOR

Original Instructions

Model: DYM336212

2023

Ningbo Daye Garden Machinery Co., Ltd.
No.58 Jinfeng Road, Yuyao, Zhejiang 315403, P.R.China
Tel: +86-574-62678966 Fax: +86-574-62678959

TABLE OF CONTENTS

| | |
|--|----|
| 1. Operator Safety | 4 |
| 2. General Information..... | 10 |
| 3. Features and Controls..... | 11 |
| 4. Technical Data | 13 |
| 5. Assembly Instructions | 14 |
| 6. Operating Instructions | 20 |
| 7. Maintenance | 32 |
| 8. Transport | 45 |
| 9. Storage..... | 46 |
| 10.Troubleshooting | 47 |
| 11. Disposal | 49 |
| 12. Warranty | 50 |
| 13. EC-DECLARATION OF CONFORMITY | 51 |

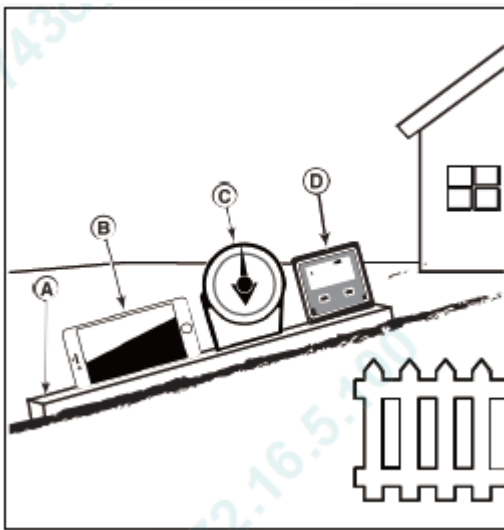
1. Operator Safety

Save These Instructions

Save these instructions for future reference. This manual contains safety information to make you aware of the hazards and risks associated with the product and how to avoid them. It also contains important instructions that must be obeyed during the initial set-up, operation, and maintenance of the product.

This product is designed and intended for cutting well maintained grass and is not intended for other purposes. It is important that you read and understand these instructions before you attempt to start or operate this machine. Make sure that you are fully familiar with the controls and the correct use of the product. Know how to stop the unit and disengage controls quickly.

Slope Identification Guide



WARNING:

Do not operate on slopes greater than 10 °.




How to measure the slope of a lawn surface with a smartphone or an angle finder tool

1. Use a straight edge at least two (2) feet long (A, Fig. 1). A 2x4 or a straight piece of metal works well.
2. Use angle finder tools.
 - a. Smartphone: Many smartphones (B, Fig. 1) have an in-clinometer (angle finder) located under the compass application (app). Or, search an app store for an in-clinometer app.
 - b. Manual angle finder tools: Angle finder tools (C and D, Fig. 1) are available at local hardware stores or online (also called in-clinometer, protractor, angle meter, or angle gauge). Dial type (C) or digital type (D) work, others may not. Read and obey the user instructions supplied with the angle finder tool.
3. Put the two (2) feet long straight edge along the steepest part of the lawn slope. Put the board up and down the slope.
4. Lay the smartphone or angle finder tool on the straight edge and read the angle in degrees. This is the slope of your lawn.

Safety Alert Symbol and Signal Words

The safety alert symbol in this manual identifies safety information about hazards that can result in personal injury.












A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

| | |
|---|---|
|  DANGER: | Indicates a hazard which, if not avoided, will result in death or serious injury. |
|  WARNING: | Indicates a hazard which, if not avoided, could result in death or serious injury. |
|  CAUTION: | Indicates a hazard which, if not avoided, could result in minor or moderate injury. |
| NOTICE: | Indicates information considered important but not hazard-related. |

Safety Decals

The following safety symbols appear on this product. Before you operate the mower, please study them and learn their meaning.

! IMPORTANT: If the safety decals become worn or damaged and cannot be read, order replacement decals from your authorized service center..

| | |
|---|--|
|  | Safety alert symbol |
|  | Read operator's manual |
|  | Maintain safety devices |
|  | Avoid amputation injury |
|  | Keep bystanders away |
|  | Look behind while backing |
|  | Never carry children |
|  | Avoid steep slopes more than 10° |
|  | Hold hænder og fødder væk |
|  | Undgå genstande, der slynges ud |
|  | Brug ikke plæneklipperen, hvis udkasterrøret ikke er på sin rette plads. |

Safety Instructions



WARNING:

Read and follow all safety rules and instructions in this manual before attempting to operate this machine. Failure to comply may result in personal injury.



IMPORTANT:

This machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

General Information

- Read, understand, and follow instructions and warnings in this manual and on the machine, engine and attachments.
- Only allow operators who are responsible, trained, familiar with the instructions and physically capable to operate the machine.
- Do not carry passengers and keep bystanders away.
- Do not operate the machine while under the influence of alcohol or drugs.

Preparation before Operating

- Clear the operating area of any objects which could be thrown by or interfere with operation of the machine.
- Keep the area of operation clear of all bystanders, particularly small children. Stop the machine and attachment(s) if anyone enters the area.
- Do not operate the machine without the entire grass catcher, discharge chute, or other safety devices in place and functioning properly. Check frequently for signs of wear or deterioration and replace as needed.
- Wear appropriate personal protective equipment e.g. safety glasses, hearing protection, and footwear.



Operating

- Only operate the engine in well ventilated areas. Exhaust gases contain carbon monoxide, a deadly poison.
- Only operate the machine in daylight or good artificial light.
- Avoid holes, roots, bumps, rocks, or other hidden hazards. Uneven terrain could overturn the machine, or cause operator to lose their balance or footing.
- Keep hands and feet away from rotating parts and the area under the machine. Stay clear of the discharge opening at all times.
- Do not direct discharge material toward anyone. Avoid discharging material against a wall or obstruction.
- Material may ricochet back toward the operator. Stop the blade(s) when crossing gravel surfaces.
- Do not leave a running machine unattended. Always park on level ground, disengage the blades, set parking brake, and stop engine.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before when in reverse.

Children Specific

- Tragic accidents can occur if the operator is not fully aware of children nearby. Children are often attracted to the machine and mowing activity. Never assume that children will stay where you last saw them.
- Keep children away from the operating area and ensure they are supervised by a responsible adult other than the operator.
- Never carry children, even with the blade(s) shut off. They could fall off and suffer serious injuries or disrupt safe operation. Children who have been given rides before may unexpectedly enter the mowing area for another ride, increasing the risk of being run over by the machine.

Slope Specific

| | |
|---|---|
|  WARNING: | Slopes are a major factor related to accidents. Operation on slopes requires extra caution. |
|  WARNING: | If at rest on an uphill slope, do not shift the tractor into gear and dump the clutch. Doing so can result in a rear overturn (the front tyres lift off the ground and the machine flips over backwards). |

- Travel in the manufacturer recommended direction on slopes. Use caution while operating near drop-offs.
- Avoid mowing wet grass.
- Grass higher than 6-8 cm should be mowed in steps, when using mulching kit (Art. nr. 130 998)
- Do not operate machine under any condition where traction, steering, or stability is in question. Tyres could slide even if the wheels are stopped.
- Always keep the machine in gear when going down slopes. Do not coast downhill.
- Avoid starting and stopping on slopes. Avoid making sudden changes in speed or direction. Make turns slowly and gradually.
- Use extra care while operating machine with a grass catcher or other attachment(s). They can affect the stability of the machine.

Fire and Fuel Specific

- Extinguish all cigarettes, cigars, pipes and other sources that can cause fire.
- Use only an approved fuel canister.
- Do not remove fuel cap or add fuel with the engine running or while hot.
- Do not refuel indoors or in enclosed spaces.
- Do not store the machine or fuel canister, or refuel, where there is an open flame, spark, or pilot light e.g. as on a water heater or other appliance.
- If fuel is spilled, do not attempt to start the engine and avoid creating any source of ignition until fuel vapors have dissipated.
- To help prevent fires: keep machine free of grass, leaves, or other debris build up; clean up oil or fuel spillage and remove any fuel soaked debris; allow machine to cool before storing.
- Use extra care in handling petrol and other fuels. They are flammable and vapors are explosive.

Hauling

- Use full width ramps for loading and unloading a machine for transport.

Towing

- Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.

Service

- Keep machine in good working order. Replace worn or damaged parts.
- Use caution when servicing blades. Wrap the blade(s) or wear gloves. Replace damaged blades. Do not repair or alter blade(s).
- Disconnect spark plug wire(s) and the negative battery cable before making any repairs.



WARNING:

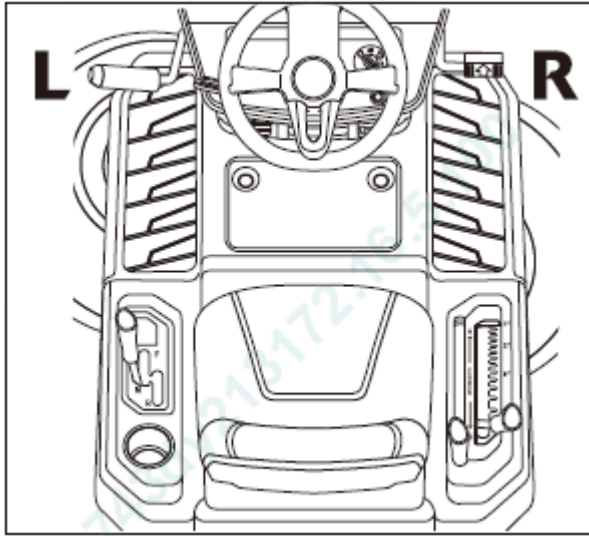
Running engine gives off carbon monoxide, an odorless, colorless, poisonous gas. Breathing carbon monoxide can cause headaches, fatigue, dizziness, vomiting, confusion, seizures, nausea, fainting or death.

- Operate equipment **ONLY** outdoors.

Keep exhaust gas from entering a confined area through windows, doors, ventilation intakes, or other openings.

2. General Information

LEFT and RIGHT are referenced from the operator's position.
















The use of the terms IMPORTANT and NOTE in this manual shows clarifications, exceptions, or alternatives to the procedures.

All language translations of this document derive from the initial English source file.

Recycle all packaging, used oil, and batteries according to applicable government regulations.

3. Features and Controls

The following control symbols appear on this product. Before you operate the mower, please study them and learn their meaning.

| Symbol | Explanation |
|---|--|
|  | Choke |
|  | FAST throttle position |
|  | SLOW throttle position |
|  | Override button to allow mowing in reverse |
|  | OFF ignition position |
|  | HEADLIGHTS ignition position |
|  | RUN ignition position |
|  | START ignition position |
|  | Parking brake |
|  | PTO ON (blades engaged) |
|  | PTO OFF (blades disengaged) |
|  | SHORT grass height |
|  | LONG grass height |

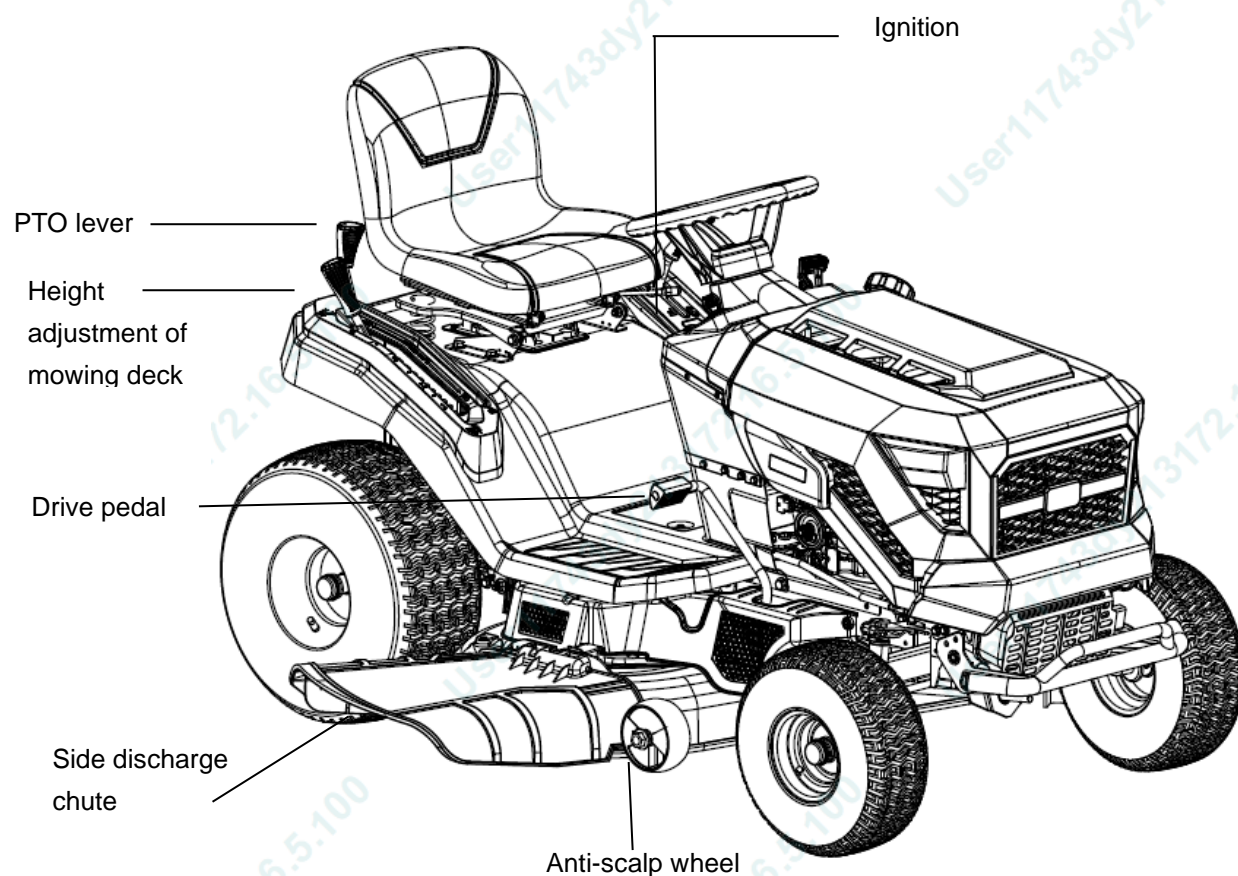


Fig.1A

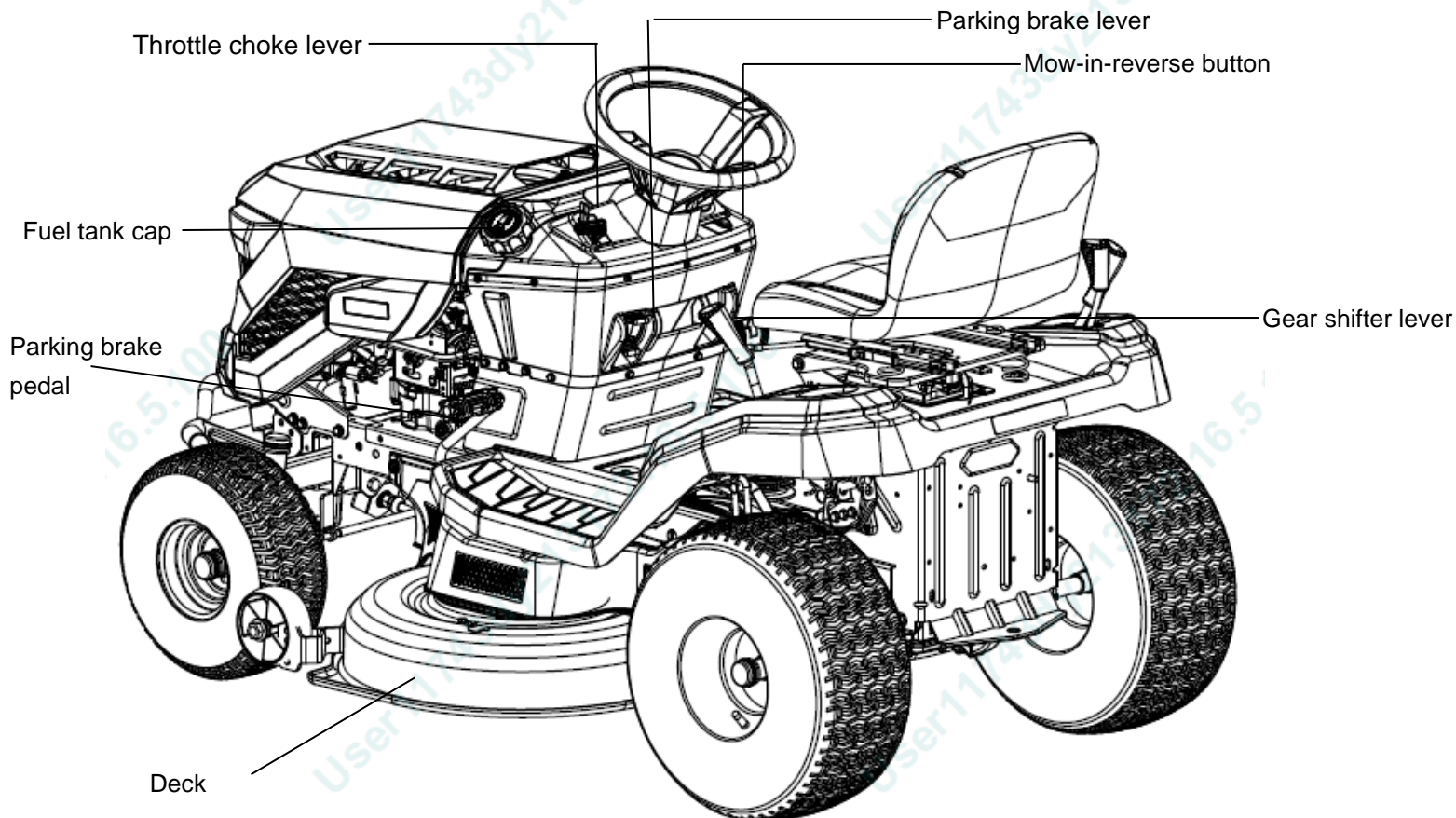






Fig.1B

4. Technical Data

| | |
|------------------------|---------------------------------------|
| TRACTOR MODEL | DYM3362012 |
| Rated Speed | 2600 / min. |
| Forward speed | 0-7.5 km/h |
| Backward speed | 0-2.5 km/h |
| Engine Model | LC1P91F |
| Displacement | 546 cc |
| Horsepower | 11 kW |
| Oil capacity | 1.6 L (SAE 10W-30) |
| Fuel capacity | 5.7 L |
| Cutting Width | 1070 mm |
| Cutting Height | 25 mm- 100 mm (approx.), 13 positions |
| # of Blades / Lift | 2 / standard lift |
| Front Tyre Size | 15 in x 6.00 in - 6 in |
| Rear Tyre Size | 20 in x 8.00 in - 8 in |
| Front Tyre Pressure | 14 psi |
| Rear Tyre Pressure | 10 psi |
| Turning Radius | 457 mm |
| Grass catcher capacity | 230 L (Tilbehør) |
| Voltage | 12 V |
| Battery capacity | 15 Ah |
| Weight | 194 kg |

| | |
|---|---|
| Measured Sound pressure level at the operator's position (According to EN ISO 5395-1 Annex F & EN ISO 5395-3, EN ISO 4871) | 83.7dB (A) K=3dB (A) |
| Measured sound power level Guaranteed Sound Power level (According to 2000/14/EC) | 98.5 dB (A) K=1.81dB (A) 100 dB (A) |
| Vibration (According to EN ISO 5395-1 Annex G & EN ISO 5395-3) | 6.77 m/s ² K=1.5 m/s ² |

5. Assembly Instructions

| | |
|---|---|
| NOTICE: | This lawn tractor is shipped without gas in the engine. |
|  WARNING: | If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury. |
|  WARNING: | Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury. |
|  WARNING: | To prevent accidental starting that could cause serious personal injury, always disconnect the engine spark plug boot from the spark plug when assembling parts. |
|  WARNING: | Never operate the tractor without the proper safety devices, guards, and chute in place. Never operate the tractor with damaged safety devices. Operating the tractor with missing or damaged parts can result in serious personal injury. |

1. Some parts of your new lawn tractor have not been fully installed for shipping purposes. To ensure safe and proper operation, all parts and hardware must be assembled as instructed using appropriate tools to ensure proper tightness.
2. Carefully remove the product and any accessories from the package. Make sure that all items listed in the Packing List are included.
3. Inspect the product carefully to make sure no damage occurred during shipping.
4. If any parts are damaged or missing, please call service center for assistance.

| Packing list | Quantity |
|-------------------------------------|----------|
| Tractor | 1 |
| Seat Assembly | 1 |
| Steering Wheel Assembly | 1 |
| Dashboard Cover | 1 |
| Oil Drain Sleeve | 1 |
| Deck Anti-scalp Wheel Assembly | 1 |
| Air Duct Ring | 1 |
| Operation Manual | 2 |
| Wrench | 2 |
| Key | 2 |
| Bolt for steering wheel assembly | 1 |
| Bumper bar with four securing bolts | 1 |

5.1 Assemble the Dashboard Cover

Open the engine shroud and install the dashboard cover into place. (Fig.2)

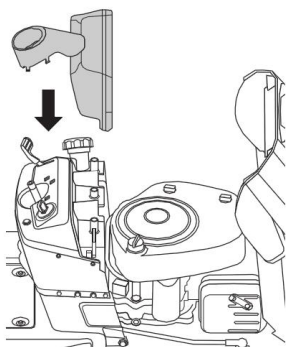


Fig. 2

5.2 Assemble the Air Duct Ring

Open the engine shroud and install the air duct ring into the inside of the engine shroud. (Fig.3)

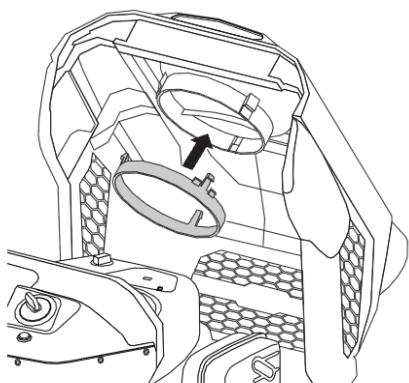


Fig. 3

5.3 Assemble the Steering Wheel

1. Align the steering wheel with the steering shaft, slide the steering wheel down the shaft until into position, and secure the steering wheel with the bolt provided. (Fig.4)
2. Place the steering wheel cap over the center of the steering wheel and push downward until it snaps into place.

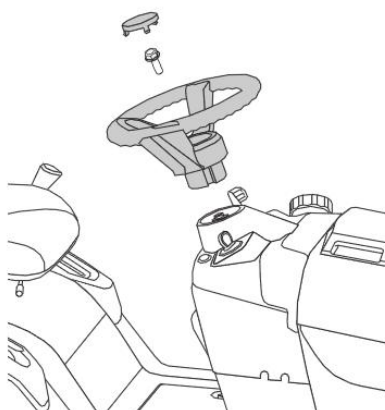


Fig.4

5.4 Assemble the Bumper Bar

1. Position the bumper bar in the front of the tractor (Fig.5)
2. Install the bumper bar with the four bolts provided (two on each side). (Fig.5)

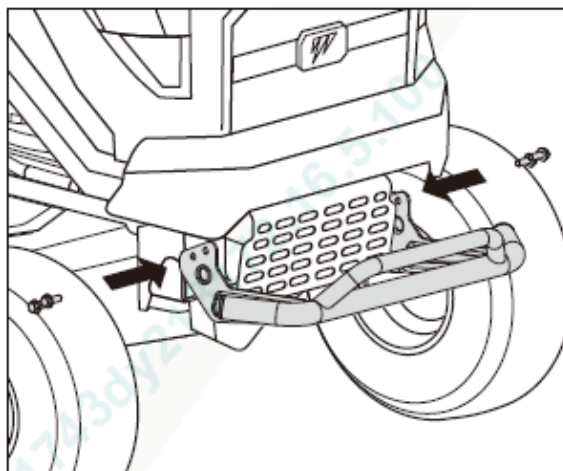


Fig. 5

5.5 Assemble the Left Deck Anti-scalp Wheel

| | |
|----------------|--|
| NOTICE: | The bottom of the deck anti-scalp wheels should be positioned approx. 0.3 – 1.25 cm off the ground when the mower is at the desired cutting height. This will minimize the chance of scalping the lawn in most situations. |
| NOTICE: | The left and right wheels should be set at the same positions. |
| NOTICE: | The right anti-scalp wheel has already been assembled in the factory. Secure the left anti-scalp wheel with the bolt and nut. (Fig.6) |

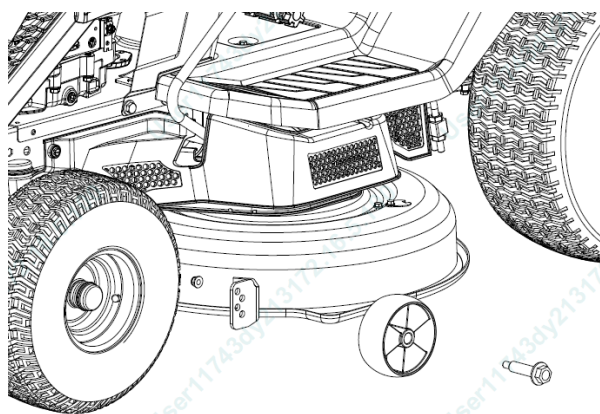


Fig. 6

5.6 Assemble the Seat

1. Connect the seat to the mower base with bolts and nuts.(Fig.7)
2. Adjust the seat position to ensure you are able to fully press the brake pedal before operating the mower.
3. Connect the seat switch.

To move the seat:

1. Pull back on the seat adjustment lever at the left of the seat.
2. While holding the lever, slide the seat forward or backward to the desired position.
3. Release the lever and make sure the seat is locked in position.



WARNING:

Be sure the seat is locked into place before operating the mower. A seat that is not secure can cause the operator to shift and lose control of the mower and result in possible death or serious personal injury.

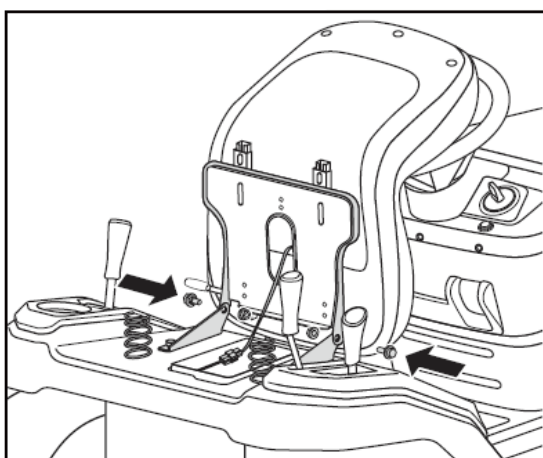


Fig. 7

5.7 Installing Mulching Cover (optional - Art. nr. 130 998)

The mower comes standard with a side discharge chute. If mulching is desired, install the mulch cover as described below.

1. Unlock the locking mechanism. Lift the side discharge chute out of the way in order to install the mulch cover. (Fig. 8 A / Fig. 8 B)
2. Insert the mulch cover rod through the hole in the wheel mounting bracket on the mowing deck and secure with the provided cotter pin. (Fig. 8 C)
3. Insert the mulch cover hole over the threaded rod on the deck. Secure with the provided wing nut. (Fig. 8D)
4. Ensure that the bottom edge of the mulch cover is nested inside of the outer lip on the deck before lowering the side discharge chute. (Fig. 8 E)



WARNING:

Make sure the mulch cover and side discharge chute are securely attached when finished. Failure to do so could cause serious personal injury.

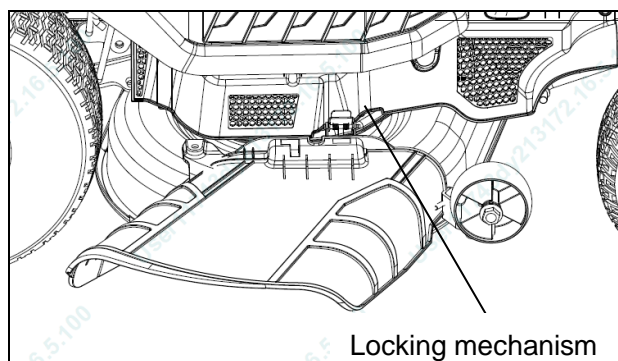


Fig. 8A

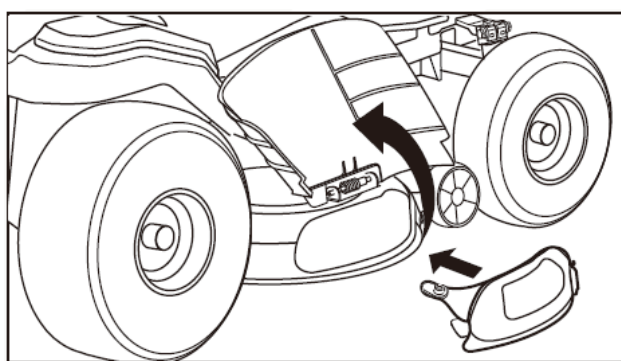


Fig. 8B

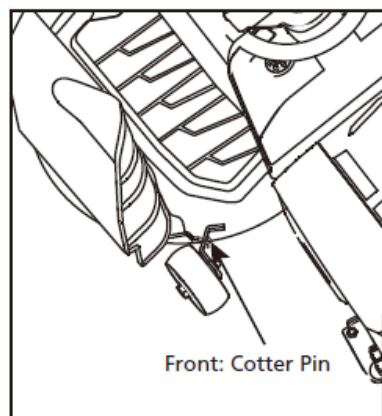


Fig. 8C

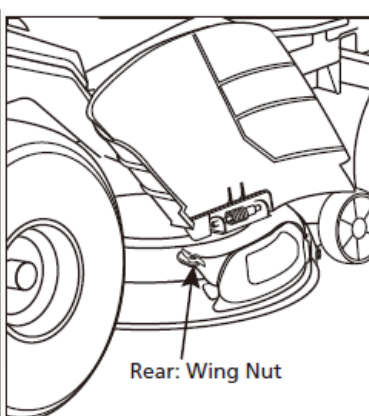


Fig. 8D

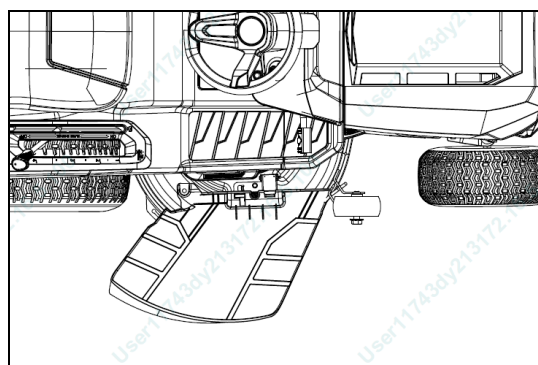


Fig. 8 E

5.8 Connect the Battery

The battery is under the operator's seat. For shipping reasons the factory leave both battery cables disconnected from the terminals. To connect the battery cables, proceed as follows:

1. Attach the positive cable (red) to the positive battery terminal using the bolt and nut.
2. Attach the negative cable (black) to the negative battery terminal using the bolt and nut.(Fig.10)



WARNING:

When attaching battery cables, always connect the positive cable to its terminal FIRST, and then connect the negative cable.



WARNING:

Incorrect connection will cause serious damage.

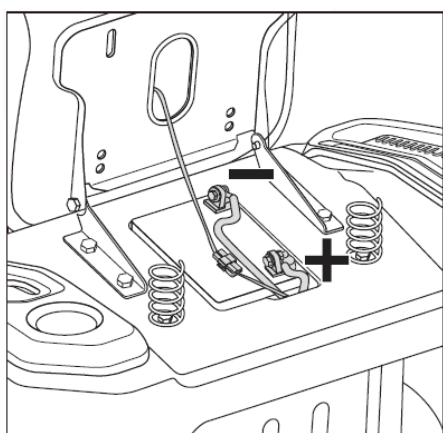


Fig.10

5.9 Check/Adjust the Tyre Pressure

NOTICE:

To ensure that the grass is cut level, the right and left front tyres must be set to the same pressure. The same is true for the right and left rear tyres.

Recommended tyre pressure:

1. Set the front tyres to 14 psi
2. Set the rear tyres to 10 psi

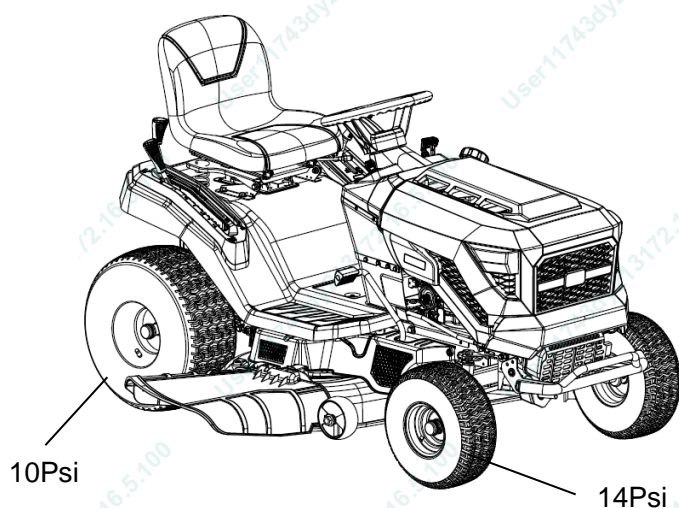


Fig.11

6. Operating Instructions

Read the Operator Safety section before you operate this machine. Make sure that you know the controls and how to stop the unit.

6.1 Operating Area

1. Know the area where you plan to operate the mower.
2. Make sure that the area is free of unwanted material that could be picked up by the blades and thrown.



DANGER:

This machine is capable of throwing objects that could injure bystanders or cause damage to buildings.

- Do not operate the machine without the discharge chute or other safety devices in place and functioning properly. Check frequently for signs of wear or deterioration and replace as or if needed.
- Clear the operating area of any objects which could be thrown by or interfere with the operation of the machine.

3. Move the machine outside, before you start the engine.



WARNING:

Engines give off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting, or death.

4. Note all slopes and drop-offs.



DANGER:

Operating on slopes, or near water, or drop-offs can result in loss of control and roll-over.

- Mow up and down slopes not across.
- Reduce speed and be careful on slopes. Do not operate on slopes over 10 °.
- Give yourself a minimum of two mower widths of clearance around water, retaining walls, or drop-offs.
- Avoid mowing wet grass.
- Do not operate machine under any condition where traction, steering, or stability is in question. Tyres could slide even if the wheels are stopped.
- Avoid starting and stopping on slopes.
- Avoid making sudden changes in speed or direction.
- Make turns slowly and gradually.
- Be careful while operating machine with a grass catcher or other attachment(s). They can affect the stability of the machine.
- Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.
- See towing with the tractor section.

5. Make sure that the operating area is clear of bystanders, especially children.



DANGER:

This machine is capable of amputating hands and feet.

- Stop the mower when children or others are near.
- Keep children out of the operating area and under the watchful care of a responsible adult.
- Do not carry passengers, especially children, even with the blade(s) shut off. Children can fall off and be seriously injured or interfere with the safe machine operation. Children who have been given rides in the past can suddenly appear in the mowing area for another ride and be run over by the machine.
- Use care when approaching blind corners, shrubs, trees, or other objects that obscure vision.

6.2 Safety Interlock System Tests

This machine is equipped with a Safety Interlock System. Do not attempt to bypass or tamper with the switches and devices.



DANGER:

Mowing in reverse can be hazardous to bystanders. Tragic accidents can occur if the operator is not alert to the presence of children. DO NOT activate the Mow In Reverse (MIR) Option if children are present. Children are often attracted to the machine and the mowing activity.



WARNING:

If the machine does not pass the safety test, do not operate the machine. See an authorized service center.

Test 1 — Engine will NOT crank if:

- Power Take Off (PTO) lever is ENGAGED, OR
- Brake pedal is NOT fully pushed down (parking brake OFF)

Test 2 — Engine will crank and start if:

- PTO lever is DISENGAGED, AND
- Brake pedal is fully pushed down (parking brake ON).

Test 3 — Engine will SHUT OFF if:

- Operator rises off seat with PTO lever ENGAGED, OR
- Operator rises off seat with brake pedal NOT fully pushed down (parking brake OFF).

Test 4 — Mower Blade Stopping Time Check

The mower blades and mower drive belt will come to a complete stop in five seconds after the PTO lever is DISENGAGED. If the mower drive belt does not stop in five seconds, see an authorized service center.

Test 5 — Mow In Reverse (MIR) Option Check

- The engine will SHUT OFF when reversing with the PTO lever ENGAGED and MIR (Mow In Reverse) button NOT pressed down. See Mow In Reverse (MIR) Option.

6.3 Engine

NOTE: Refer to engine manual for more detailed information.

Check and Add Engine Oil

1. Put the unit on a level surface. Stop the engine and remove the key. Make sure that the oil fill area is clean.
2. Remove the dipstick (Fig.12). Remove the remaining oil from the dipstick.
3. Install and tighten the dipstick.
4. Remove the dipstick again, and check the oil level.
5. Make sure that the oil level is at the top of the FULL mark on the dipstick.
6. If the oil level is FULL, install and tighten the dipstick.
7. If the oil level is LOW, add oil to the oil fill tube (Fig. 12). We recommend AL-KO motor oil, art. no. 112901.
8. Wait one minute, and check the oil level again.
9. Install and tighten the dipstick.

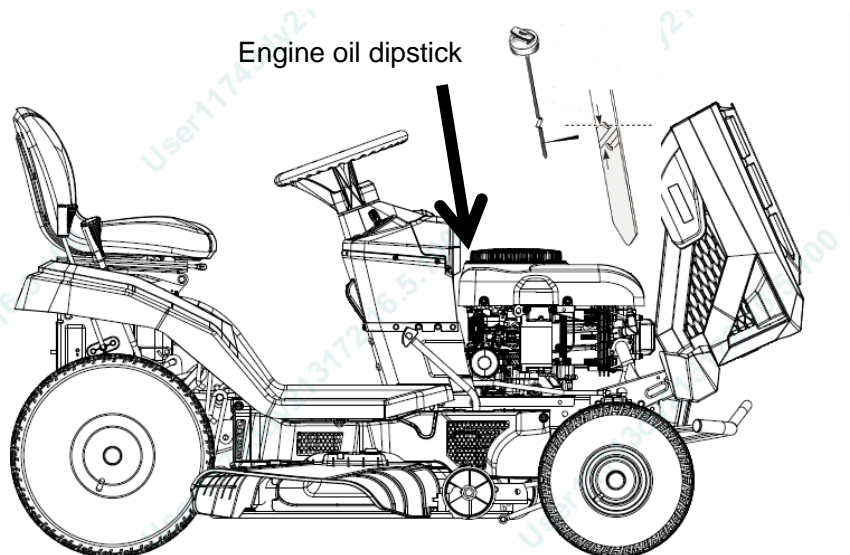


Fig.12

Fuel Recommendations

Fuel must meet these requirements:

- Clean, fresh, unleaded petrol.
- A minimum of 95 octane.
- Petrol with up to 10% ethanol (gasohol) is acceptable. We always recommend E5 octane 98 or 100.

NOTICE: Do not use unapproved petrol, e.g. E15 and E85. Do not mix oil in petrol or modify the engine to run on alternate fuels. Use of unapproved fuels will damage the engine components, which will not be covered under warranty. Petrol older than 3 months is likely to reduce engine performance and power.

Add Fuel



WARNING:

Fuel and its vapors are extremely flammable and explosive. Always handle fuel with extreme care. Failure to observe these safety instructions can cause fire or explosion which could result in severe burns or death.

When Adding Fuel

- Stop the engine and let the engine cool at least 3 minutes before you remove the fuel cap.
- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Fill fuel tank outdoors or in well-ventilated area.
- Do not overfill fuel tank. To allow for expansion of the fuel, do not fill above the bottom of the fuel tank neck.
- Keep fuel away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.
- If fuel spills, wait until it evaporates before you start the engine and avoid creating any source of ignition.
- Use only an approved fuel canister.

Remove any debris from the fuel cap area.

1. Remove the fuel cap (Fig.13)
2. Fill the fuel tank with fuel. Monitor the level of the fuel by looking at the see-through window on the left of the tractor. DO NOT fill above the bottom of the fuel tank neck.
3. Install the fuel cap.

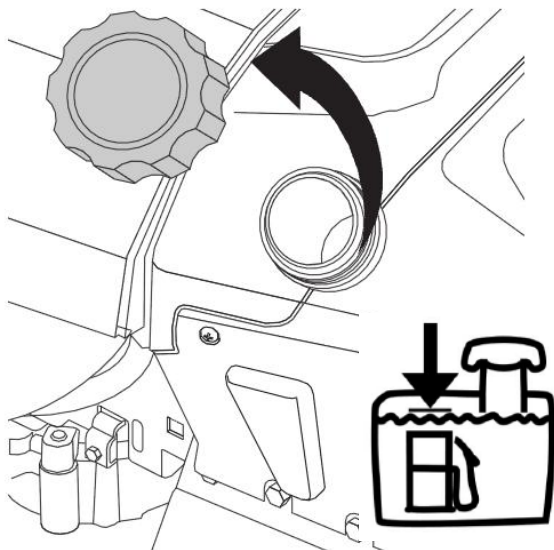


Fig.13

6.4 Operating the Tractor

Start the Engine



WARNING:

Fuel and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.

When you start the engine:

- Make sure that spark plug, muffler, fuel cap, and air cleaner (if equipped) are installed correctly.
- Do not crank the engine with spark plug removed.
- If the engine floods, move the throttle to the FAST position and crank until engine starts.



WARNING:

Engines give off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting, or death. Fire or explosion can cause severe burns or death.


- Start and operate the engine outdoors.
- Do not start or operate the engine in enclosed area, even if doors or windows are open.

1. Check the oil level. See Check and Add Engine Oil.
2. Insert the key into the ignition switch.
3. If the blades are engaged, disengage the blades.
4. Fully press the brake pedal.
5. Move the throttle to the FAST position. Use choke function for cold starts.
6. Turn the key to the START position and hold until the engine starts. After the engine starts, release the key. It will return to the run position.

NOTICE:

In the event of an emergency, turn the ignition switch to the OFF position. This will STOP the engine. See Stop the Engine.

Using the Throttle / Choke Lever

The throttle choke lever is located on the left side of the mower's dash panel.  When starting the engine that is cold, push the throttle choke lever fully forward into the "CHOKE" position. (Fig.14)

The purpose of the choke is to restrict the flow of air so that the fuel-air mixture is made richer (more fuel, less air) which aids in starting the engine. After starting the engine, move the throttle choke lever downwards to the FAST position.

NOTICE:

When operating the mower with the cutting blade engaged, move the throttle to the FAST position.

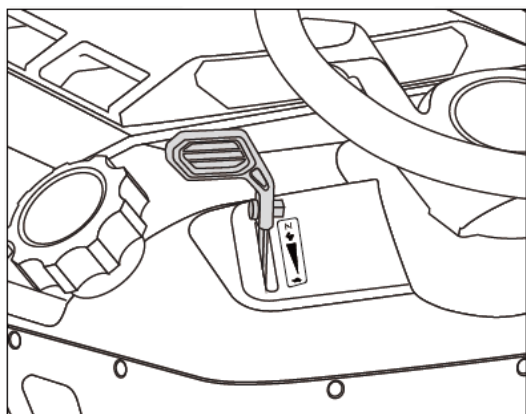


Fig.14

Stop the Engine



WARNING:

Fuel and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.

NOTICE:

In the event of an emergency, turn the ignition switch to the OFF position. This will STOP the engine.

Do not choke the carburator to stop the engine.

1. If the blades are engaged, disengage the blades.
2. Shift into neutral.
3. Move the throttle to the SLOW position.
4. Turn the ignition key switch to the OFF position. Remove the key.
5. Engage the parking brake.

Using the Headlights

NOTICE:

The headlights will quickly drain the battery if the headlights are left on and the engine is off.

Engine on

1. To turn on the headlights, turn the key from the RUN position to the HEADLIGHT position. (Fig.15)
2. To turn off the headlights, turn the key from the HEADLIGHT position to the RUN position.

Engine off

1. To turn on the headlights, turn the key to the HEADLIGHT position.
2. To turn off the headlights, turn the key to the STOP position.

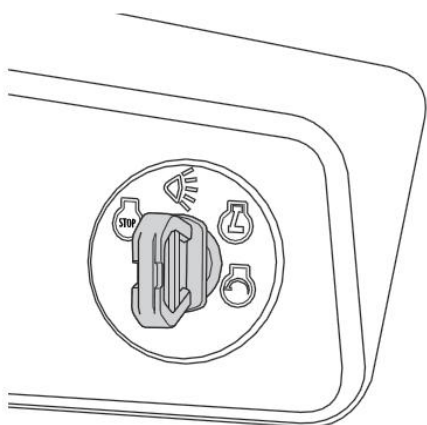


Fig.15

Driving the Tractor

| | |
|----------------|---|
| NOTICE: | Do not attempt to shift gears when the mower is in motion as this can result in serious damage to the mower's transmission. Always use the brake pedal to bring the mower to a complete stop before shifting. |
| WARNING | Sharp turns can affect control of the mower. ALWAYS slow the mower before making sharp turns. |
| NOTICE: | First-time operators should become completely familiar with the mower's operation and controls before operating the mower in higher speed position. |
| WARNING | Always start the tractor in neutral. |
| NOTICE: | Never force the shift lever. Doing so may result in serious damage to the tractor's transmission. |

To move forward or backward:

1. Press the brake pedal and release the parking brake.
2. Place the shifter lever in either the FORWARD (F) or REVERSE (R) gear.
3. Release the brake pedal.
4. Gradually begin to apply pressure to the drive pedal. The further down the pedal is pushed, the faster the tractor will travel in the desired direction.

| | |
|----------------|--|
| NOTICE: | If you find it difficult to shift to FORWARD or REVERSE, press the drive pedal lightly and then shift the gears. |
|----------------|--|

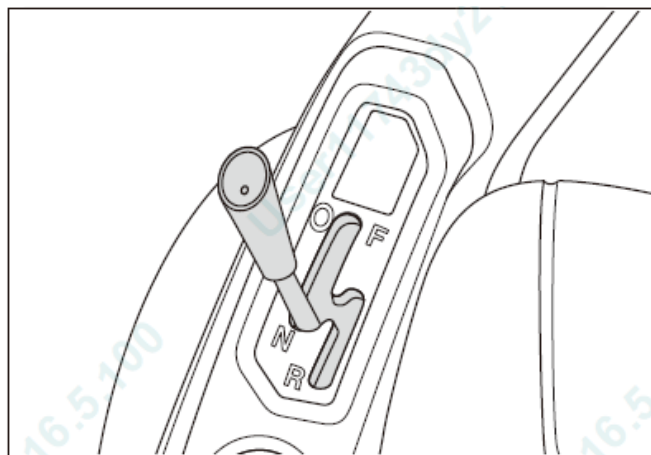


Fig.16 A

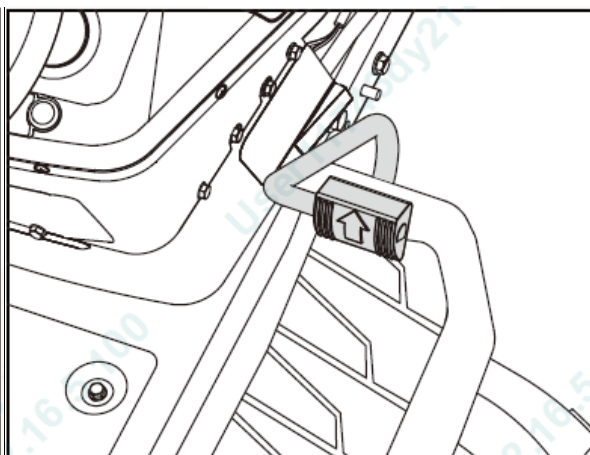


Fig.16 B

Using the Brake

| | |
|----------------|--|
| NOTICE: | Always use the brake pedal to bring the mower to a complete stop before shifting. |
| NOTICE: | Do not use the brake pedal to control the travel speed of the mower. Doing so will result in premature wear of drive belt. |

Press the brake pedal to slow the mower and bring it to a stop.(Fig.17)

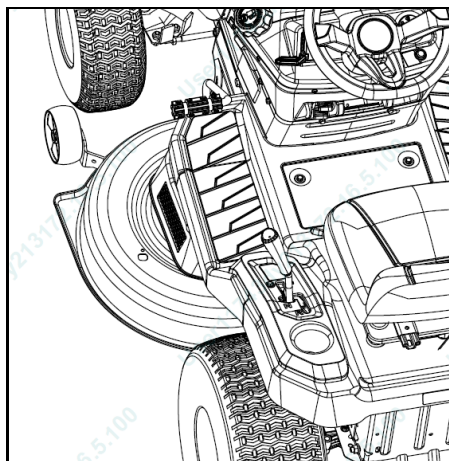


Fig.17

Using the Parking Brake

| | |
|----------------|--|
| NOTICE: | The parking brake pedal must be pressed to start the engine. |
| NOTICE: | The parking brake must be set if the operator leaves the seat with the engine running or the engine will automatically shut off. |

Setting the parking brake:

1. Fully press the brake pedal.
2. Raise the parking brake lever all the way up into the lock position.(Fig.18)
3. Release the brake pedal to allow the parking brake to engage.

Releasing the parking brake:

1. Fully press the brake pedal and hold it down with your left foot.
2. Lower the parking brake lever all the way down into the unlock position.
3. Release the brake pedal to allow the parking brake to disengage.

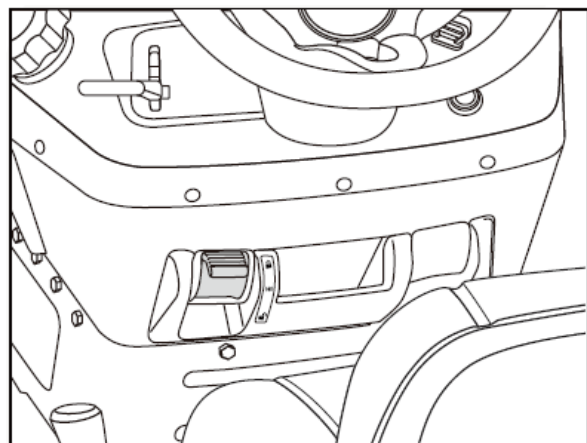


Fig.18

Adjusting the Mower Cutting Height

The height of cut lever is located on the mower's right fender. It is used to change the height of the cutting deck. The height (the blade to the ground) can be adjusted from 2.5 to 10 cm (13 height positions).

To change the height of cut, move the lever out of the notch, then up or down to the position that is best suited for your application.(Fig.19)

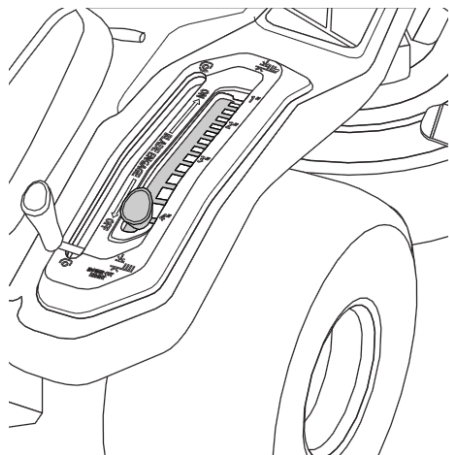


Fig.19

Adjusting the Deck Anti-Scalp Wheels

| | |
|----------------|--|
| NOTICE: | The bottom of the deck anti-scalp wheels should be positioned approx. 0.3 – 1,25 cm off the ground when the mower is at the desired cutting height. This will minimize the chance of scalping the lawn in most situations. |
|----------------|--|

| | |
|----------------|--|
| NOTICE: | The left and right wheels should be set at the same positions. |
|----------------|--|

To adjust the wheels:

1. Park the mower on a level surface and engage the parking brake.
2. Stop the engine and remove the key. Allow blades to come to a complete stop.
3. Set the deck to the desired height setting.
4. Remove bolt and nut and holding wheel in place.
5. Move the wheel to a position that's approx. 0.3 – 1.25 cm off the ground.
6. Replace bolt and nut; tighten securely.
7. Repeat with the other side deck support wheel, making sure both side wheels are installed in the same position.

Mowing



DANGER:

This machine is capable of amputating hands and feet, and throwing objects. Failure to obey the safety instructions could result in serious injury or death.

- Only operate the machine in daylight hours or good artificial light.
- Avoid holes, roots, bumps, rocks, or other hidden hazards. Uneven terrain can overturn the machine or cause operator to lose balance or footing / grip.
- Do not direct discharge material toward anyone. Avoid discharging material against a wall or construction as material may ricochet back toward the operator.
- Stop the blade(s) when crossing gravel surface.
- Do not leave a running machine unattended. Always park on level ground, disengage the attachment, set parking brake, stop engine and remove starter insert or key.

The PTO lever is located on the mower's right fender. Engaging the PTO lever transfers power to the cutting blades.

1. To engage the blades: Move the lever all the way forward.
2. To disengage the blades: Move the lever all the way backward. (Fig.20)



WARNING:

The engine will STOP when reverse travel is attempted with the PTO lever ENGAGED and MIR button NOT pressed while reversing. See Mow In Reverse (MIR) Option.

NOTICE:

The PTO lever must be DISENGAGED when starting the engine.

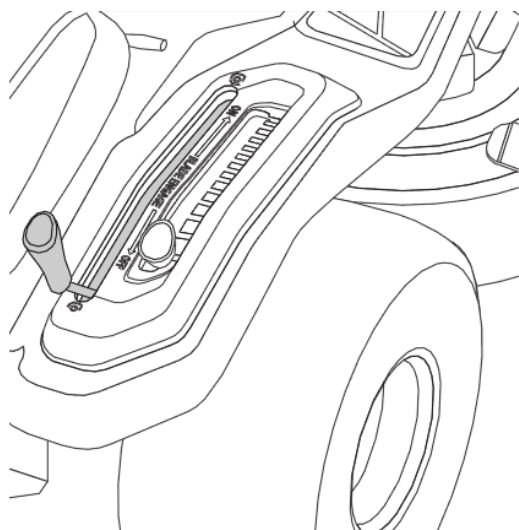


Fig.20

Mow In Reverse (MIR) Option



DANGER:

Mowing in reverse can be hazardous to bystanders. Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.

- Keep children out of the operating area and under the watchful care of a responsible adult.
- Do not carry passengers, especially children, even with the blade(s) shut off. Children can fall off and be seriously injured or interfere with the safe machine operation. Children who have been given rides in the past can suddenly appear in the mowing area for another ride and be run over or backed over by the machine.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- If the machine mows in reverse without Reverse Mowing Option activated, see an authorized service center immediately.

Once The Blades Are Engaged:

1. Press and hold brake/clutch pedal to stop forward travel.
2. Press and hold M-I-R button.(Fig.21)
3. Shift gear into reverse.
4. Release M-I-R button.
5. Slowly release brake/clutch pedal.

NOTICE:

Remove the key to restrict access to the MIR Option.

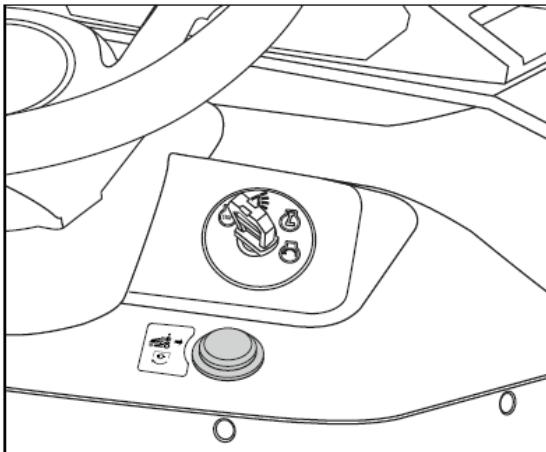


Fig.21

Mowing Tips


**WARNING:**

To help avoid blade contact or a thrown object injury, keep bystanders, helpers, children and pets away from the machine while it is in operation. Stop machine if anyone enters the area.

- Mowing should always be done with the throttle in the FAST position for optimal cutting results.
- Keep the blades sharp. Jagged cuts increase the likelihood of the tip of the grass blade browning or developing a disease.
- After completing a pass in your lawn, overlap the previous pass by approx. 2.5 – 7.5 cm.
- Change the direction you mow each time you mow to prevent ruts from developing in your lawn.
- Set the mower cutting height to the recommended setting for the grass type in your lawn. Avoid cutting the lawn too short, as this forces the grass to focus on regrowing blades rather than developing a strong root system. A deeper root system helps the grass access nutrients and water in the soil, especially in drought periods.
- Raise the mower cut height during the summer or periods of drought.
- Do not cut during the hottest part of the day. Doing so stresses the grass.
- Follow the “1/3 Rule”. Take off no more than 1/3 of the grass blade length at a time.
- When cutting long, thick grass, it may be necessary to shift into a lower gear. It may also be necessary to go back over the cut area a second time.
- Do not cut wet grass. The grass will be less likely to clump together and more likely to be standing upright, which will result in a clean, even cut.

7. Maintenance

Good maintenance is essential for safe, economical and trouble-free operation. Follow the inspection and maintenance recommendations and schedules in this manual.

| | |
|---|--|
|  WARNING: | Improper maintenance, or failure to correct a problem before operation or use non-conforming replacement components, can cause malfunction and could result in serious personal injury. |
| NOTE: | Before performing any type of maintenance/service, disengage the blades, shut off the engine. And wait until all moving parts have come to a complete stop. Disconnect spark plug wire and keep it away from the spark plug. Always wear safety glasses while performing any adjustments or repairs. |
| NOTICE: | Refer to engine operator's manual for detailed engine maintenance. |
| NOTE: | If you are unsure how to perform any of the maintenance items listed below, please contact customer service or a qualified service center for assistance. |
| NOTE: | Refer to engine operation manual for more information about engine maintenance. |

Before adjustments and repairs:

- Use ONLY the correct tools.
- DO NOT tamper with the governor spring, links, or otherparts to increase engine speed.
- Replacement parts must be of the same design and installed in the same position as the original parts. Other parts may not perform as well, may damage theunit, and may result in injury. Use only original spare parts.

Maintenance Schedule

| RIDER AND MOWER |
|---|
| Every 8 Hours or Daily |
| Check the Safety interlock system. |
| Remove any debris from the tractor, mower deck, and engine compartment. |
| Every 25 Hours or Annually* |
| Check the tyre pressure. |
| Check the mower blade stopping time. |
| Check for loose hardware on the tractor. |
| Every 50 Hours or Annually* |
| Clean the battery and cables. |
| Check the tractor brakes. |
| See an Authorized Service Center Annually |
| Lubricate the tractor. |
| Mower blades check** |

* Whichever comes first.

** Check the mower blades more often in regions with sandy soils or high dust conditions.

| ENGINE |
|--|
| First 5 Hours |
| Change the engine oil. |
| Every 8 Hours or Daily |
| Check the engine oil level. |
| Every 25 Hours or Annually* |
| Clean the air filter. |
| Every 50 Hours or Annually* |
| Change the engine oil. |
| Annually |
| Replace the air filter. |
| See an Authorized Service Center Annually |
| Inspect the muffler. |
| Replace the spark plugs. |
| Replace the fuel filter. |
| Clean the air cooling system. |

* Whichever comes first

7.1 Cleaning the Tractor

| | |
|-------------------|---|
| ⚠ WARNING: | Let the tractor to cool for at least five minutes before cleaning. Exercise caution to avoid burns. |
| ⚠ CAUTION: | Do not use pressure washer or garden hose to clean your tractor other than to clean the underside of the deck. It may cause damage to electrical components, spindles, pulleys, bearings, or the engine. |
| NOTICE: | Debris can accumulate anywhere on the tractor, especially on horizontal surfaces. Additional cleaning may be necessary when mowing in dry conditions or when mulching. |
| NOTICE: | Fuel leaks/spills, oil leaks/spills and excess lubrication can also become collection sites for debris. Immediate repair and cleaning up oil or fuel spills can help reduce fire hazards. |
| NOTICE: | Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc. |

1. Clean under the hood and around the engine, including the engine intake screen, exhaust manifold, muffler, and muffler shield.
2. Clean the top of the deck and around belts and pulleys.
3. Clean around and near the transmission.

7.2 Cleaning the Mower Deck

| | |
|----------------|--|
| NOTICE: | The mower ONLY comes with a washout port block-off plate. A washout port and garden hose quick disconnect are NOT included and must be purchased separately. |
|----------------|--|

1. Put the tractor on a smooth level surface.
2. Attach the quick disconnect to the garden hose and then connect to the washout port on the mower deck.
3. Turn the water ON.
4. Start the engine.
5. Set the cutting height to the lowest position.
6. Engage the Power Take-Off (PTO) to activate the mower blades. The rotation of the blades and the water will clean the bottom of the mower deck.(Fig. 22)
7. Disengage the PTO.
8. Stop the engine.
9. Turn the water OFF.
10. Remove the garden hose and quick disconnect from the washout port.

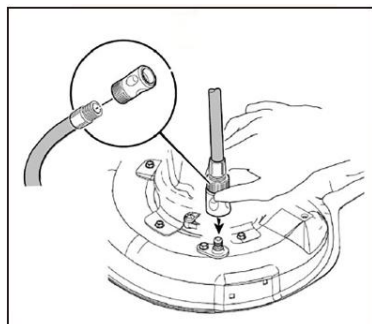


Fig.22

7.3 Leveling the Cutting Deck

If your lawn appears unevenly cut after using the tractor, the cutting deck may need adjusting. Before deciding that leveling the cutting deck is necessary, make sure the tyres are properly inflated to the recommended PSI when mowing.

Before beginning:

1. Make sure the tractor is in neutral.
2. Stop the engine, engage the parking brake, and remove the key.
3. Raise the height of the cutting deck to its highest position.

To make side-to-side adjustment:

1. Position the blades so that the ends point toward the sides of the mower.
2. Measure the distance from the bottom, outside tip (cutting tip) of the blade to the ground. Measure the left blade's cutting tip to the ground and the right blade's cutting tip to the ground. If the measurements are more than 3/16" off, proceed to the next step.
3. Turn the adjustment nuts up to raise or down to lower the left side of the cutting deck. (a, Fig. 23)

NOTICE:

If raising the side, you will need to turn the top adjustment nut first. If lowering, turn the bottom nut first.

4. Measure again. The deck is properly balanced when both blade tip measurements taken earlier are equal.



WARNING:

Tractor blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.

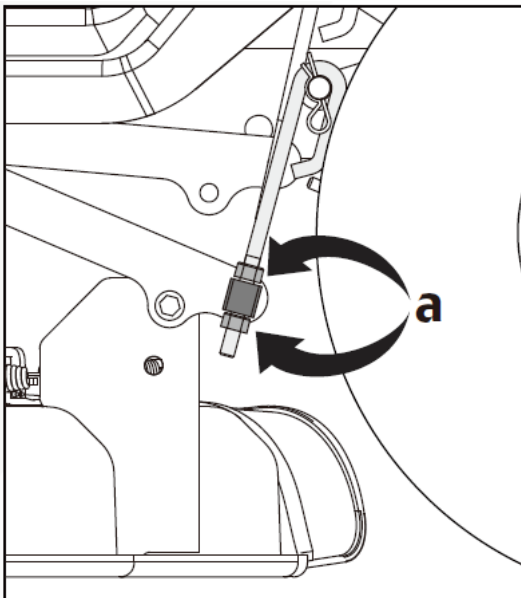


Fig.23

To make front-to-back adjustment:

1. Position the right blade so that the ends now point toward the front and back of the tractor.
2. Measure the distance from the tip of the blade to the ground. For optimal cutting results, the front tip of the blade should be from 0.6 to 0.9 cm-lower than the rear tip.
3. If front-to-back adjustment is needed, after loosening the outer lock nut, turn the inner adjustment nut clockwise to raise or counterclockwise to lower the front of the cutting deck. (Fig. 24)
4. Measure again to verify the front tip is now 0.6 to 0.9 cm lower than the rear tip. If not, continue to adjust and measure until they are.
5. Without moving the inner adjustment nut, re-tighten the outer lock nut to secure the inner adjustment nut in place. (Fig. 24)

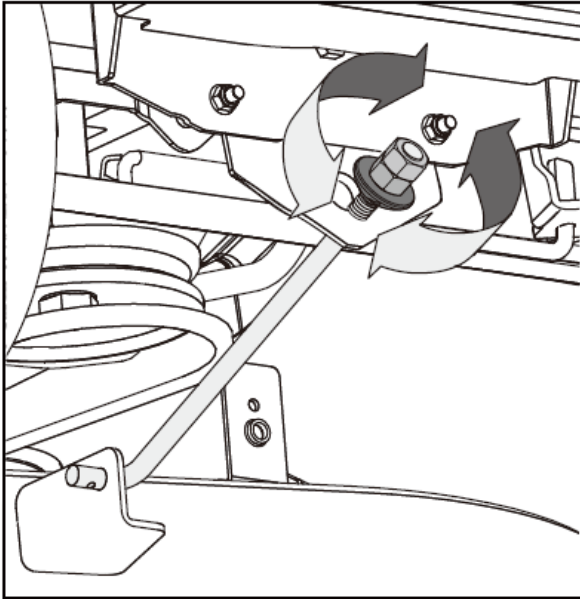


Fig.24

7.4 Removing the Cutting Deck



DANGER:

Tractor blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.

Removing the deck will make it easier to replace belts, pulleys, and blades.

1. Make sure the tractor is in neutral.
2. Stop the engine, engage the parking brake, and remove the key.
3. Lower the deck to its lowest position.
4. Disconnect the cable spring (a, Fig. 25 A) that connects the deck to the tractor.
5. Remove the 5 hitch pins, 2 on the left (b and c, Fig. 25 A), 2 on the right (the same position as shown on left), and 1 on the front (d, Fig. 25 B) that secure the deck in place.
6. Slip the deck belt off the drive pulley assembly.
7. Slide the deck out from under the tractor.
8. Reverse the process to reattach the deck to the tractor.

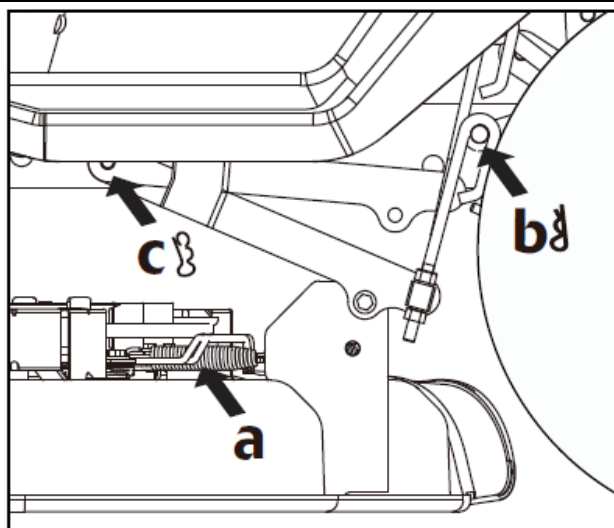


Fig.25 A

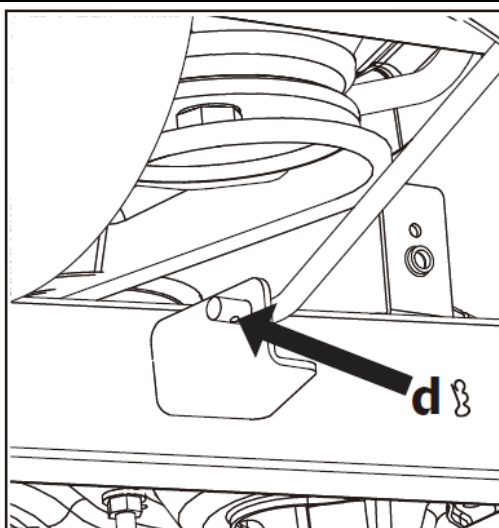


Fig.25 B

7.5 Adjusting the Tension in the Deck Belt

If you notice a deterioration in cutting performance, it may be necessary to adjust the tension in the deck cable.



WARNING:

Stop the engine, engage the parking brake, and remove the key.

1. The deck cable is set at the factory with no exposed threads showing behind the lock nut (b).(Fig.26)
2. To increase the cable tension, unthread the extension nut (a).
3. Re-tighten the lock nut up against the extension nut. Now the exposed threads should be showing behind the lock nut.
4. If this was not adequate, repeat the process above until there is adequate tension in the deck belt.
5. Make sure the cable is not tensioned too tight.

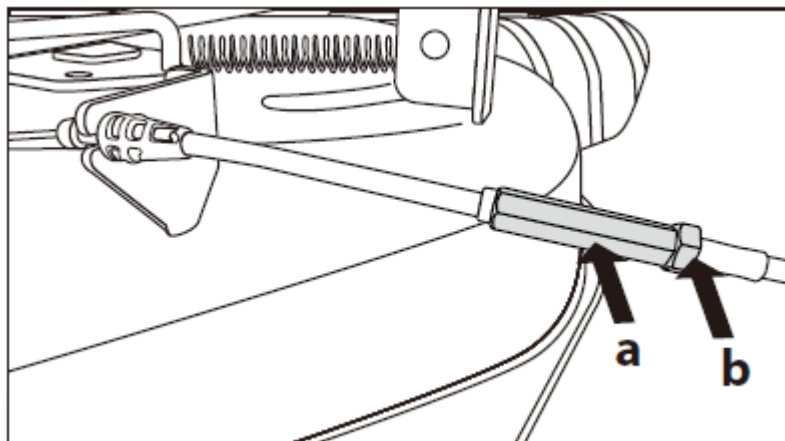


Fig.26

7.6 Changing the Deck Belt



WARNING:

Stop the engine, engage the parking brake, and remove the key.



WARNING:

Belts on your tractor are subject to wear and should be replaced if any signs of wear are present.

1. Remove the deck. Refer to the “Removing the Cutting Deck” section.
2. Remove the two belt protective covers (a, Fig. 27) by removing the six screws that fasten them to the deck.
3. Remove the fixed pulley (b, Fig. 27) and tension pulley (c, Fig. 27).
4. Carefully remove the deck belt from around the pulleys.
5. Reverse the process to reattach a new deck belt to the deck.

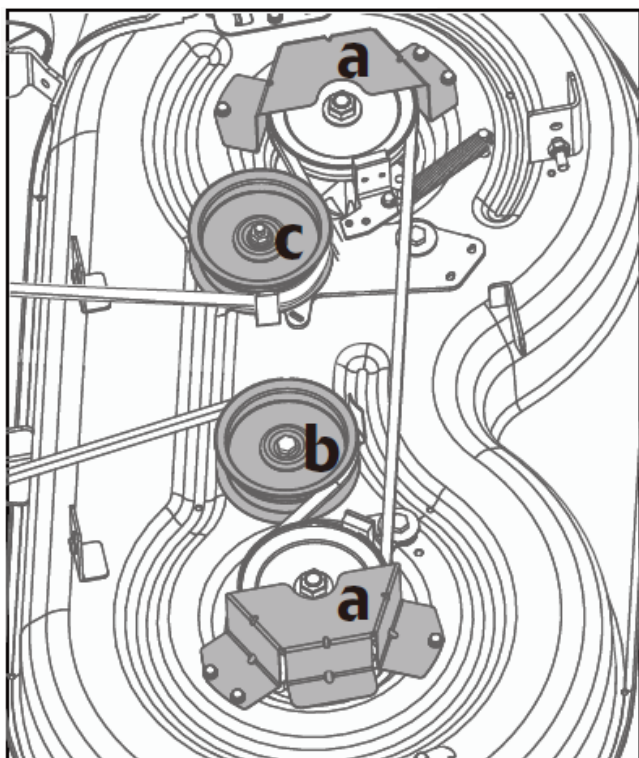


Fig.27

7.7 Changing the Drive Belt



WARNING:

Stop the engine, engage the parking brake, and remove the key.



WARNING:

If necessary, raise the tractor by placing on a lift or using a jack and jack stands. Make sure the tractor is properly secured and the parking brake is set before proceeding. Failure to properly secure the tractor could cause it to fall, resulting in death or possible serious personal injury.

1. Remove the deck. Refer to the “Removing the Cutting Deck” section.
2. Remove the drive pulley assembly (a, Fig. 28) by removing the bolt that fastens it to the engine output shaft.
3. Remove the two pulleys (b and c, Fig. 28) by removing the nuts that fastens them to the mounting bracket.
4. Remove the pulley (e, Fig. 28) by removing the bolt and nut that fastens it to the mounting bracket.
5. Slip the belt off the transmission pulley. (d, Fig.28)
6. Reverse the process to reattach a new drive belt to the tractor.

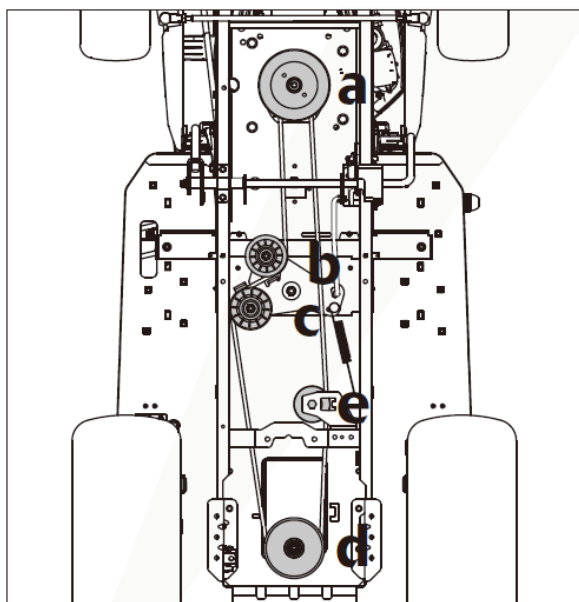


Fig.28

7.8 Replacing the Cutting Blades

CAUTION: Only use original spare parts / replacement blades authorized by the manufacturer of your tractor. Use of blades not authorized is hazardous and may damage your riding mower and the warranty will be void.

WARNING: Tractor blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.

For best results, please use the correct replacement kit for this tractor, PN 2105200368.(AL-KO Art. nr.)

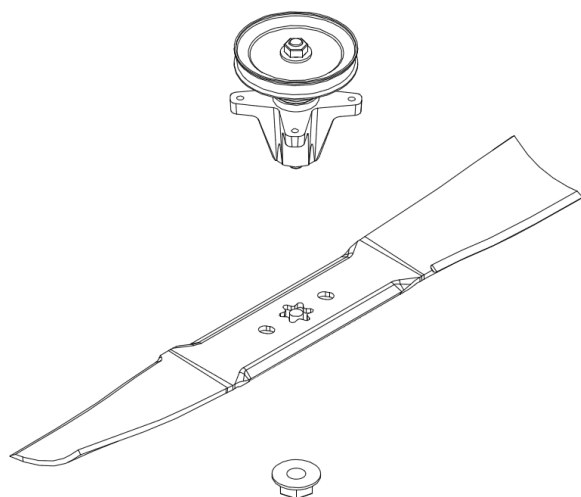


Fig.29

1. Shut off the engine, remove the key, and engage the parking brake
2. Raise the height of the cutting deck to its highest position to allow access to blades.

CAUTION If necessary, raise the mower by placing on a lift or using a jack and jack stands.

WARNING: If raising the mower to access the blades, make sure the mower is properly secured and the parking brake is set before proceeding. Failure to properly secure the mower could cause it to fall, resulting in death or possible serious personal injury.

3. Use a blade removal tool (not provided) to prevent the blade from turning.
4. Loosen the blade nut by turning it counterclockwise (as viewed from bottom of mower) using a 24 mm wrench or socket (not provided).
5. Remove the blade nut and blade.(Fig.29)
6. When replacing or re-installing the blade, be sure to install the blade with the side with a part number stamped in it facing the ground
7. Screw the blade nut onto the shaft and finger tighten.
8. Torque the blade nut down clockwise using a torque wrench (not provided) to ensure the bolt is properly tightened. The recommended torque for the blade nut is 95 NM - 115 NM (9,5 kg – 11,5 kg).
9. Repeat with second blade.

WARNING: Ensure blade is properly seated and the blade nut is tightened to the torque specifications above. Failure to properly attach the blade could cause it to come loose and result in possible serious personal injury.

7.9 Sharpening the Blade

1. To properly sharpen the cutting blades, remove equal amounts of metal from both ends of the blades along the cutting edges. Always grind each cutting blade edge equally to maintain proper blade balance.
2. Test the blade's balance using a blade balancer(not provided). Grind metal from the heavy side until it balances evenly.



WARNING:

A poorly balanced blade will cause excessive vibration, may damage the tractor, and result in personal injury.

7.10 Checking the Tyre Pressure

For the correct traction and the best mowing performance, make sure that the front tyres are inflated to 14 psi and the rear tyres inflated to 10 psi. Also, see "Tyre Pressure" in the Specifications section.

NOTICE:

There can be a difference in tyre inflation pressure from the "Maximum Inflation" shown on the side of the tyres.

7.11 Battery Maintenance

Replacing the Battery and Cleaning the Battery and Battery Cables



WARNING:

When you remove or install battery cables, always disconnect the **NEGATIVE** (black) cable **FIRST** and reconnect it **LAST**. If not done in this order, the positive terminal can be shorted to the frame by a tool.

NOTICE:

DO NOT remove or connect the battery cable while the engine is ON.

1. STOP the engine. Remove the key.
2. Disconnect the **NEGATIVE** (-) cables from the battery first. (Fig. 30)
3. Disconnect the **POSITIVE** (+) cables from the battery last.
4. Clean the battery surface with a clean dry cloth.
5. Use a wire brush and terminal cleaner to clean the battery terminals and cable ends.
6. Lubricate the battery terminals with petroleum jelly or non-conductive grease (acid-free oil or grease).
7. Install the battery.
8. Connect the **POSITIVE** (+) cables to the battery first.
9. Connect the **NEGATIVE** (-) cables to the battery last.

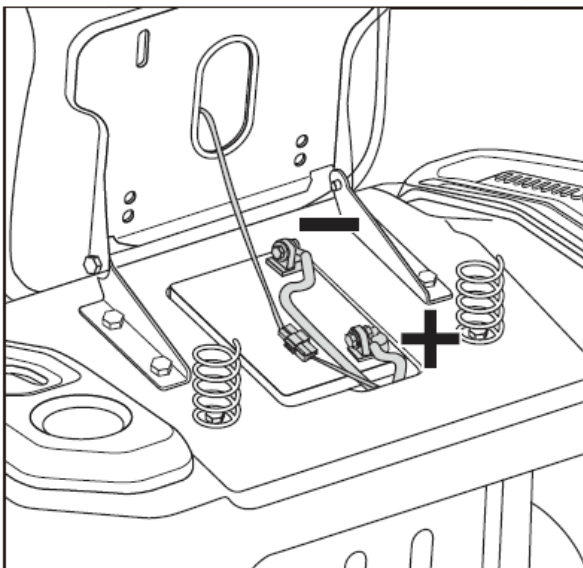


Fig.30

Charging the Battery



WARNING:

Keep open flames and sparks away from the battery. Gasses from the battery are very explosive.

A dead battery or one too weak to start the engine can be the result of a defect in the charging system or other electrical components. If there are doubts about the cause of the problem, see an authorized service center.

7.12 Adjusting the Transaxle Brake

The transaxle is equipped with a brake rotor and brake pads. Over time the brake pads will wear, and it will be necessary to adjust the brake to ensure the brake/parking brake works properly. If you notice that the unit doesn't stop as quickly as it once did or the tractor does not stay in place when the parking brake is engaged, the transaxle brake may need adjusting.



WARNING:

Stop the engine, park the tractor on level ground, disengage the parking brake, and remove the key. Make sure the brake rotor is cool before adjusting.

1. Remove the right rear tyre to allow easy access to the brake.
2. While rocking the brake rotor (a) back and forth slowly tighten nut (b) until it's not possible to move the brake rotor. (Fig.31)
3. Loosen nut (b) 2/3 turn and leave as the final setting.
4. As an alternative to a 2/3 turn, use a 0.5mm feeler gauge to set the brake pad 0.5mm off the brake rotor.
5. First loosen the nut (b).
6. Insert a 0.5mm feeler gauge (c), from the side, into the gap between the brake rotor (a) and brake pad.
7. Tighten the nut until the 0.5mm feeler gauge is snug between the brake rotor and brake pad but can still be removed.

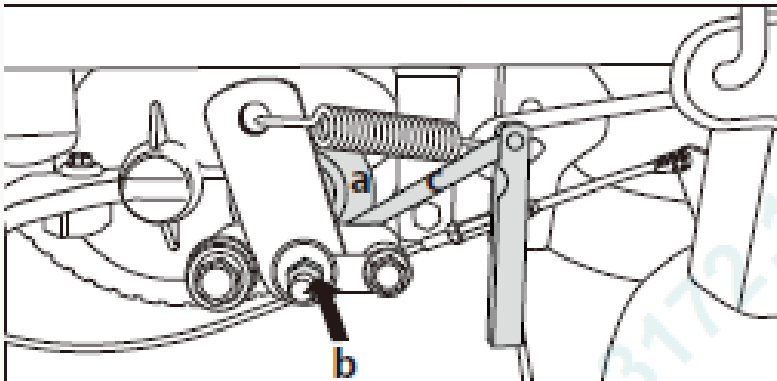


Fig.31

7.13 Checking the Mower Blade Stop Time



WARNING:

If the mower blade does not STOP in 5 seconds or less, the clutch must be adjusted. DO NOT operate the machine until the adjustment has been corrected by an authorized service center.

7.14 Changing the Engine Oil

1. Put the unit on a level surface as shown in Fig. 32.
2. Stop the engine and remove the key.
3. Place the oil drain sleeve (included with tractor) under the drain plug. (Fig. 33)
4. Place a collection container below the oil drain sleeve.
5. Remove the drain plug.
6. After the oil has drained, re-install the oil drain plug tightly.
7. Refill the engine with new oil.

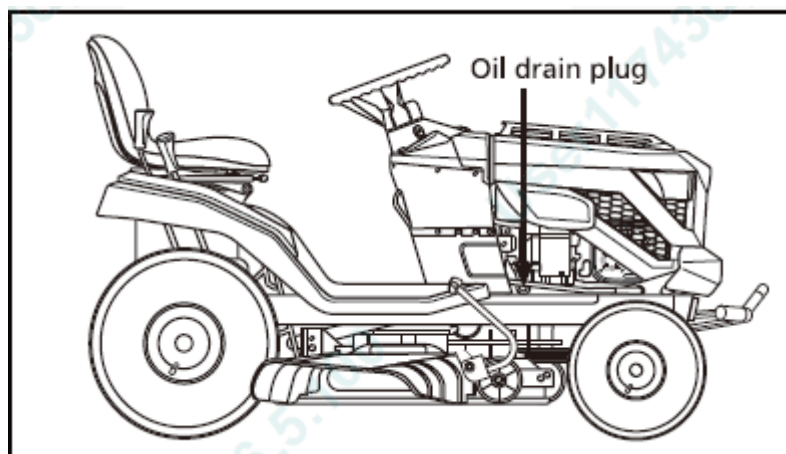


Fig.32

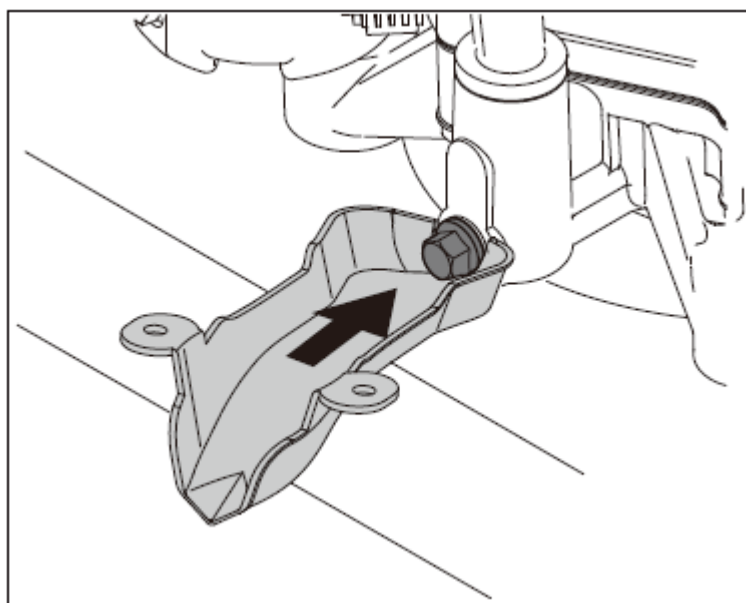


Fig.33

Checking the engine oil level:

1. Remove the dipstick. Wipe off the remaining oil from the dipstick.
2. Install and tighten the dipstick.
3. Remove the dipstick again, and check the oil level.
4. Make sure that the oil level is at the top of the FULL mark on the dipstick.
5. If the oil level is FULL, install and tighten the dipstick.
6. If the oil level is LOW, add oil into the oil fill tube. We recommend AL-KO motor oil, art. no. 112901.
7. Wait one minute, and check the oil level again.
8. Install and tighten the dipstick.

7.15 Pushing the Tractor By Hand

Pushing the tractor may be necessary for moving the tractor into and out of a garage or shed. It may also be necessary for loading into and out of a trailer.

1. Disengage the Power-Take-Off (PTO).
2. STOP the engine. See Stop the Engine.
3. Shift the transmission into neutral.
4. The rider can be pushed by hand.

7.16 Towing with the Tractor

1. Attach and tow equipment ONLY at the hitch point.
2. The total towed weight (trailer and load) must not exceed 180 kg and a must not exceed a tongue weight (up or down) of 9 kg.
3. When towing, do not operate on slopes greater than 5 °. The weight of the towed equipment on slopes can cause loss of traction and loss of control.
4. DO NOT let children or others in or on towed equipment.
5. DO NOT shift to neutral and coast downhill.

8. Transport

Empty the fuel tank with a suction pump before transporting the machine. Start the engine and let it run until it has used up all remaining petrol.

- Close the fuel cap firmly.
- Let the engine to cool down before transporting.
- Use full width ramps for loading and unloading a machine for transport.
- Use extra care when loading or unloading the machine into a trailer or truck. This machine should not be driven up or down ramp(s), because the machine could tip over, causing serious personal injury. The machine must be pushed manually on ramp(s) to load or unload properly.

9. Storage



WARNING:

Never store the unit with fuel in an enclosed, non-ventilated structure. Fuel vapors can travel to an ignition source (e.g. a furnace, water heater, etc.) and cause an explosion.

Store away from furnaces, stoves, water heaters, or other appliances that have pilot lights or other ignition sources because they can ignite fuel vapors.

Tractor

- Disengage the Power Take-Off (PTO), set the parking brake, remove the key, and let the machine cool.
- If you remove the battery, the battery life will increase. Make sure that the battery is in a cool, and dry location, and keep it fully charged.
- If the battery is left in the unit, disconnect the negative cable.

Before starting the machine after it has been stored:

1. Check all fluid levels. Check all maintenance items.
2. Do all recommended checks and procedures found in this manual.
3. Fully charge the battery.
4. Drive the tractor without a load to make certain all the tractor systems are functioning properly.

10. Troubleshooting


WARNING:

Before performing any type of maintenance, disengage all controls and stop the engine. Wait until all moving parts have come to a complete stop. Disconnect spark plug wire and ground it against the engine to prevent unintended starting. Always wear safety glasses during operation or while performing any adjustments or repairs.

NOTE:

If you can't solve the problems of the machine, take the tractor to an authorized service center for assistance.

| PROBLEM | LOOK FOR | REMEDY |
|--|---------------------------------------|---|
| The engine will not start. | The brake pedal is not pushed down. | Fully push down on the brake pedal. |
| | The fuel tank is empty. | If engine is hot, let it cool, and then fill the fuel tank again. |
| | The PTO lever is in ON position. | Move the PTO lever to the OFF position. |
| | The engine is flooded. | Disengage the choke. |
| | The battery terminals are dirty. | Refer to replacing the battery and cleaning the battery and battery cables section. |
| | The battery is discharged or dead. | Charge or replace the battery. |
| | Loose or broken wiring. | Visually check wiring. If wires are frayed or broken, see an authorized service center. |
| | The shifter lever is in reverse gear. | Move the shifter lever to the neutral position |
| The engine starts hard or runs poorly. | The fuel mixture is too rich. | Clean the air filter. |
| The engine knocks. | Low oil level. | Check and add oil as required. |
| | Incorrect grade of oil. | Refer to the Changing Engine Oil section. |
| Excessive oil consumption. | The engine is too hot. | Check the engine fins, blower screen, and air filter. |
| | Incorrect grade of oil. | Refer to the Changing Engine Oil section. |
| | Too much oil in crankcase. | Drain excess oil. |
| The engine exhaust is black. | The air filter is dirty. | Clean the <i>Air Filter</i> . |
| | The choke is closed. (on) | Open the choke. (Off) |
| The engine runs, but the rider will not drive. | The transmission is in neutral | Press the brake and move the shifter lever into a forward gear. |
| | The parking brake is engaged. | Disengage the parking brake. |
| The rider steers hard or handles poorly. | Incorrect tyre inflation. | Refer to the <i>Check Tyre Pressure</i> section. |
| The cut is uneven. | The tyres are not correctly inflated. | Refer to the <i>Tyre Pressure Check</i> section. |
| The mower cut looks rough. | The engine speed is too slow. | Set to FAST throttle. |
| | The ground speed is too fast. | Slow down. |

| PROBLEM | LOOK FOR | REMEDY |
|--|---|---|
| The engine stalls easily with the mower engaged. | The engine speed is too slow. | Set to FAST throttle. |
| | The ground speed is too fast. | Slow down. |
| | Dirty or clogged air cleaner. | Refer to engine manual. |
| | Height-of-Cut is set too low. | Cut tall grass at maximum Height-of-Cut during firstpass. |
| | The engine is not at the operating temperature. | START the engine, and let it warm for several minutes. |
| | Poor, old or inappropriate fuel | Change to the recommended fuel. |
| The engine starts, and the rider drives, but the mower will not cut. | The Power-Take Off (PTO) is disengaged. | Engage the PTO. |

Note: For all other problems, contact an authorized service center.

11. Disposal

- Petrol and oil are hazardous waste. Dispose of these materials properly.
- Do not pour gas or oil into the ground or into household garbage. Contact your local recycling authority.
- Some recycling centers will accept gas and oil and will recondition it or recycle it safely. Your city's government official should be able to direct you to the right recycling place. Then, call the recycling location in advance to see if they have any instructions that you'll need to follow.
- If disposing of entire tractor, contact your local metal scrap yard.

12. Warranty

In accordance with the Danish Sale of Goods Act, the manufacturer will repair or replace any part covered by the warranty that is defective due to material or manufacturing faults for up to 2 years. It is a condition that repairs must be carried out at a service center approved by the manufacturer, which uses original spare parts. Repairs are covered by the warranty without charge for parts and labour.



Transport costs, overtime charges and non-warranty-related services are paid by the owner.

In the event of a change of ownership during the warranty period, the warranty is transferred to the new owner. Remember to print or save the invoice or receipt for your purchase of the tractor.

THE FOLLOWING IS NOT COVERED: (1) Wear parts, tyres and batteries (2) Any equipment that has been altered or modified in ways not approved by the manufacturer; (3) Deterioration or damage caused by normal wear and tear, lack of reasonable and proper maintenance, failure to follow operating instructions, misuse, neglect, negligence, failure to provide proper protection during storage or accident; (4) Normal maintenance parts and service; (5) If used for racing or other competitive activity.

CLAIMS PROCESSING: To secure warranty service, the purchaser must (1) request repair within the applicable warranty period, (2) provide proof of purchase, and (3) submit the machine to a manufacturer-approved service centre within a reasonable period of time.

13. EC-DECLARATION OF CONFORMITY

| EC Declaration of Conformity | |
|--|---|
| We herewith declare, | Ningbo DAYE Garden Machinery CO., LTD. No.58 Jinfeng Road , Yuyao, Zhejiang 315403, P.R.China |
| That the following machine complies with the appropriate basic safety and health requirements of the EC Directive based on its design and type, as brought into circulation by us. | |
| In case of alteration of the machine, not agreed upon by us, this declaration will lose its validity | |
| Machine Description: | Petrol Lawn Mower |
| Machine Type: | DYM336212 |
| Displacement: | 546 cm ³ |
| Max. Cutting length: | 1070 mm |
| Measured sound power level | 98.5dB(A) |
| Guaranteed sound power level: | 100 dB(A) Notified Body for EC Directive 2000/14/EC:0036 TüV SÜD Industrie Service GmbH Westendstrasse 199. 80686 München. Deutschland |
| Applicable EC Directives: | 2006/42/EC 2014/30/EU 2000/14/EC (EU)2016/1628 |
| Applicable Harmonized Standards: | EN ISO 5395-1 EN ISO 5395-3 EN ISO 14982 |
| Authorized Signature/Date/Place: |  Ningbo Daye Garden Machinery Co., Ltd. No. 58 Jinfeng Road, Yuyao, Zhejiang 315403, P. R. China 2023-03-04 |
| Title of Signatory: | General Manager |
| Name and address of the person authorized to compile the technical file |  Ningbo Daye Garden Machinery Co., Ltd. No. 58 Jinfeng Road, Yuyao, Zhejiang 315403, P. R. China |

