Operator Manual

SpeedZTR 42 / 966808405

Please read the operator manual carefully and make sure you understand the instructions before using the machine.

Gasoline containing up to 10% ethanol (E10) is acceptable for use in this machine. The use of any gasoline exceeding 10% ethanol (E10) will void the product warranty.

Original Instructions

Form Number 115 670126 Rev A 2013-12-15

CERTIFICATS DE CONFORMITÉ

Conformity Certificates For Model Listed Below:

966808405 / SpeedZTR 42 Zero Turn Rider

USA requirements

Labels are placed on the engine and/or in the engine compartment stating that the machine will fulfill the requirements. This is also applicable to special requirements for any of the states, (California emission rules etc.). Do not remove any of these labels. Certificates can also be supplied with the machine at delivery or written in the Engine manual. Take care of them as they are valuable documents.

EU Declaration of Conformity Information

Only applicable to European versions

See the Declaration of Conformity Certificate for additional information.

Husqvarna AB, Orangeburg, SC, USA declares under sole responsibility that the machine types stated on page 1 of this manual, from 2012's serial numbers and onwards (the year is clearly stated in plain text on the rating plate with subsequent serial number), complies with the requirements of the COUNCIL'S DIRECTIVES:

- of May 17, 2006 "relating to machinery" 2006/42/EC, annex IIA.
- of December 15, 2004 "relating to electromagnetic compatibility" 2004/108/EC, and applicable supplements.
- of May 8, 2000 "relating to the emission of noise to surroundings" 2000/14/EC.

The following harmonised standards have been applied: EN ISO 12100-2, EN836.

Business Name and Address:

Husqvarna

172 Old Elloree Rd

Orangeburg, SC 29115 USA

Notified Body:

SNCH, 11 Route de Luxembourg, L-5230 Sandweiler, has issued reports regarding the assessment of conformity according annex VI of the COUNCIL'S DIRECTIVE of May 8, 2000 "relating to the noise emissions in the environment" 2000/14EC.

WARNING! Failure to follow cautious operating practices can result in serious injury to the operator or other persons. The owner must understand these instructions, and must allow only trained persons who understand these instructions to operate the mower.

Each person operating the mower must be of sound mind and body and must not be under the influence of any mind altering substance.

When this product is worn out and no longer used, it should be returned to the reseller or other party for recycling.

In order to implement improvements, specifications and designs can be altered without prior notification.

Note that no legal demands can be placed based on the information contained in these instructions.

Use only original parts for repairs. The use of other parts voids the warranty.

Do not modify or install non-standard equipment to the unit without consent from the manufacturer. Modifications to the unit may cause unsafe operations or damage the unit.

CONTENTS

INTRODUCTION

Congratulations

Thank you for purchasing a Dixon ride-on mower. This machine is built for superior efficiency to rapidly mow primarily large areas. A control panel easily accessible to the operator and a hydrostatic transmission regulated by steering controls both contribute to the machine's performance.

This manual is a valuable document. Read the contents carefully before using or servicing the machine. The following of instructions (use, service, maintenance, etc.) by all who operate this machine is important for the safety of the operator and others. It can also considerably increase the life span of the machine and increase its resale value.

If you sell your machine, be sure to give the operator manual to the new owner.

The final chapter of this operator manual provides a Service Journal. Ensure that service and repair work are documented. A well-kept service journal reduces service costs for the maintenance and affects the machine's resale value. Please contact your dealer for more information. Take the operator manual along when the machine is taken to your dealer for service.

General

In this operator manual, left and right, backward and forward are used in relation to the machine's normal driving direction.

Continuous dedication to improve our products require that specifications and design are subject to change without notice.

Driving and Transport on Public Roads

Check applicable road traffic regulations before transporting on public roads. If the machine is transported, you must always use approved fastening equipment and ensure that the machine is well anchored. DO NOT operate this machine on public roadways.

Towing

If machine is equipped with a tow hitch, use extreme caution when towing. Never allow children or others in or on towed equipment.

Make wide turns to avoid jack-knifing. Travel slowly and allow extra distance to stop. Do not tow on sloped ground. The weight of the towed equipment may cause loss of traction and loss of control.

Follow the manufacturer's recommendation for weight limits for towed equipment. Do not tow near ditches, canals, and other hazards.

Operating

This machine is constructed only for mowing grass on lawns and even ground without obstacles such as stones, tree stumps, etc. The machine can also be used for other tasks when equipped with special accessories provided by the manufacturer. Operating instructions for the accessories are provided with delivery. All other types of uses are incorrect. The manufacturer's directions concerning operation, maintenance, and repairs must be carefully followed.

Lawn mowers and all power equipment, can be potentially dangerous if used improperly. Safety requires good judgement, careful use in accordance with these instructions and common sense.

The machine must only be operated, maintained, and repaired by persons familiar with the machine's special characteristics and who are also knowledgeable about the safety instructions. Use only approved repair parts to maintain this machine.

Accident prevention regulations, other general safety regulations, occupational safety rules, and traffic regulations must be followed without fail.

Unauthorized modifications to the design of the machine may absolve the manufacturer from liability for any resulting personal injury or property damage.

Good Service

Dixon's products are sold only in specialized retail stores with complete service. This ensures that you as a customer receive only the best support and service. Before the product is delivered, the machine has, for example, been inspected and adjusted by your retailer. See the certificate in the Service Journal in this operator manual.

When you need spare parts or support in service questions, warranty issues, etc., please consult the following professional:

This Manual belongs to the machine with the manufacturing number:	Engine

Manufacturing Number

The machine's manufacturing number can be found on the printed plate affixed to the engine compartment.

Stated on the plate, from the top are:

- The machine's type designation (I.D.).
- The manufacturer's type number (Model).
- The machine's serial number (Serial no.)

Please have the type designation and serial number available when ordering spare parts.

The engine's manufacturing number is stamped on one of the valve covers.

The plate states:

- The engine's model.
- The engine's type.
- Code

Please have these available when ordering spare parts.

The wheel motors and hydrostatic pumps have a barcode decal affixed at the rear.

SYMBOLS AND DECALS

These symbols are found on the machine and in the operator manual.

Study them carefully so that you know what they mean.

WARNING!

Xxxx xxxxxx xxxxx xxxx xxxxxxxxx xxxxxx xxxxxxxxx. xx xxxxxxxx xxxx xxxxxx.

Used in this publication to notify the reader of a risk of personal injury or death, particularly if the reader should neglect to follow instructions given in the manual.

IMPORTANT INFORMATION Xxxx xxxxxx xxxxx xxxx xxxxxxxxx xxxxxx xxxxxxxxx. xx xxxxxxxx xxxx xxxxxx.

Used in this publication to notify the reader of a risk of material damage, particularly if the reader should neglect to follow instructions given in the manual. Used also when there is a potential for misuse or misassembly.

Reverse | Neutral | Fast | Slow | Choke | Fuel | Warning! | Park Brake

Do not stand here

CE conformity marking. Only for European market

Use protective glasses

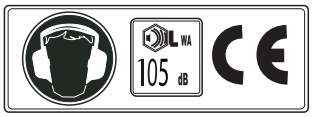
Use protective gloves

Danger. Keep hands and feet away

Do not touch parts

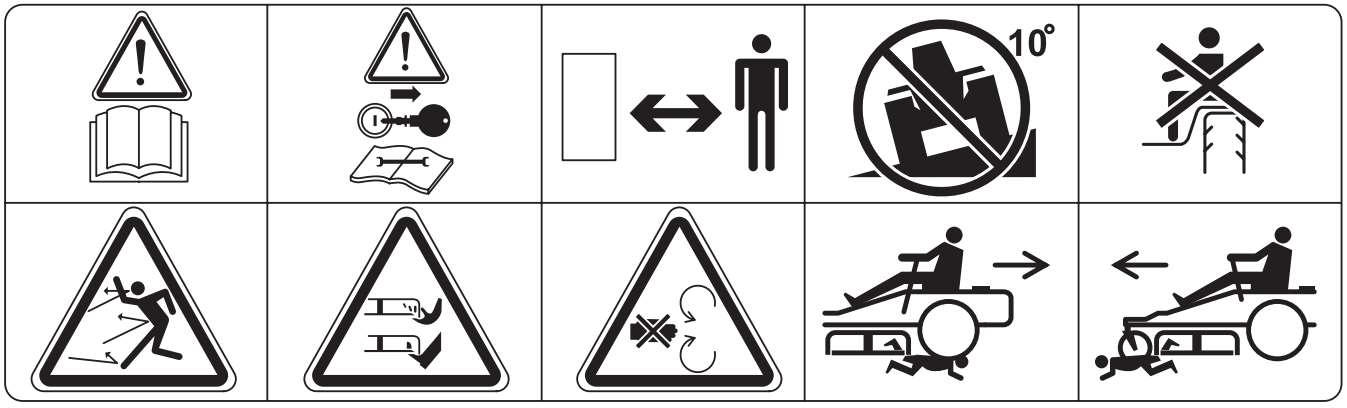
Warning! Rotating blades, keep away from the discharge deck

Battery acid is corrosive, explosive and flammable



Noise emissions to the surroundings in accordance with the European Union's directive. The machine's emission is stated in the chapter TECHNICAL DATA and on the decals.

Only machines for European market



Read Operator Manual | Shut off engine, remove key before performing maintenance or repair | Keep a safe distance from the machine | Use on slopes no greater than 10° | No passengers

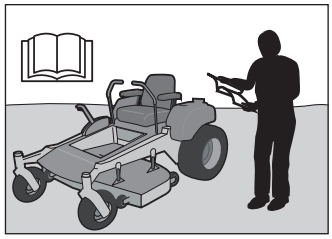
Whole body exposure to thrown objects | Severing of fingers and toes | Do not open or remove safety shields wlth engine running | Careful backing up, watch for other people | Careful going forward, watch for other people

Safety Instructions

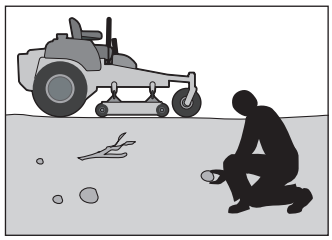
These instructions are for your safety. Read them carefully.

General Operation

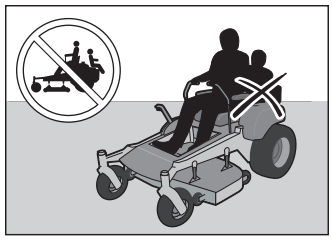
> **WARNING**! THIS CUTTING MACHINE IS CAPABLE OF AMPUTATING HANDS AND FEET AND THROWING OBJECTS. FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.



- Read, understand, and follow all instructions on the machine and in the manual before starting.
- It is recommended that someone be aware that you are mowing and can provide help in case of injury or accident.
- Do not put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blades.
- Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.



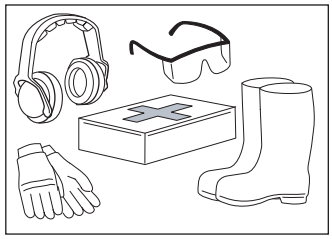
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blades when crossing gravel surfaces.
- Do not operate machine without the entire grass catcher, discharge guard, or other safety devices in place and working
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set park brake, stop engine, and remove keys before dismounting.
- Never carry passengers. The machine is only intended for use by one person.
- Disengage blades when not mowing. Shut off engine and wait for all parts to come to a complete stop before cleaning the machine, removing the grass catcher, or unclogging the discharge guard.
- Operate machine only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.



- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.
- Always wear eye protection when operating machine.
- Wear proper Personal Protective Equipment (PPE) while operating this machine, including (at a minimum) sturdy footwear, eye protection, and hearing protection. Do not mow in shorts and/or footwear with open toes.
- Data indicates that operators age 60 years and above are involved in a large percentage of riding mower-related injuries. These operators should evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.
- Follow the manufacturer's recommendation for wheel weights or counterweights.
- Anyone who operates this machine must first read and understand this Operation Manual. Local laws may regulate the age of the user.
- Keep machine free of grass, leaves or other debris buildup which can touch hot exhaust or engine parts and burn. Do not allow the mower deck to plow leaves or other debris which can cause buildup to occur. Clean any oil or fuel spillage before operating or storing the machine.
- Allow machine to cool before storage.

Personal Safety Equipment

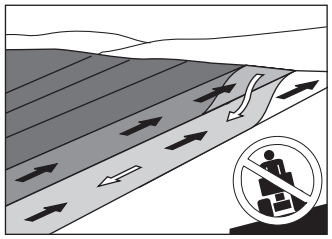
- Make sure that first aid equipment is close at hand when using the machine.
- Never use the machine when barefoot.
- Always wear protective shoes or boots, preferably with steel toe caps.
- Always wear approved protective glasses or a full visor when assembling or driving.



- Always wear gloves when handling the blades.
- Never wear loose clothing that can get caught in moving parts.
- Use ear protectors to avoid damage to hearing.

Slope Operation

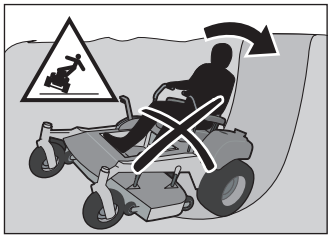
Slopes are a major factor related to loss of control and tip-over accidents, which can result in severe injury or death. Operation on all slopes requires extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.



- Mow up and down slopes (10 degrees maximum), not across.
- Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Choose a low ground speed so that you will not have to stop while on the slope.
- Do not mow on wet grass. Tires may lose traction.
- Avoid starting, stopping, or turning on a slope. If the tires lose traction, disengage the blades and proceed slowly straight down the slope.

WARNING! Do not drive up or down hills with slopes greater than 10 degrees. And do not drive across any slopes.

- Keep movement on the slopes slow and gradual. Do not make sudden changes in speed or direction, which could cause machine to roll over.
- Use extra care while operating machine with grass catchers or other attachments; they can affect the stability of the machine.
- Do not use on steep slopes.
- Do not try to stabilize the machine by putting a foot on the ground.
- Do not mow near drop-offs, ditches, or embankments. The machine could suddenly roll over if a wheel is over the edge or the edge caves in.

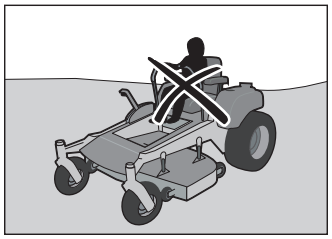


WARNING! CHILDREN CAN BE INJURED BY THIS EQUIPMENT. The American Academy of Pediatrics recommends that children be a minimum of 16 years of age before operating a riding lawn mower.

Children

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 mowing area and in the watchful care of a responsible adult other than the operator.
- Be alert and turn machine off if a child enters the area.
- Before and while backing, look behind and down for small children.
- Never carry children, even with the blades shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over by the machine.

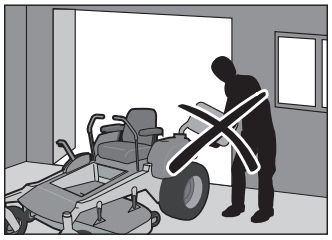


- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

Safe Handling of Gasoline

To avoid personal injury or property damage, use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive.

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only approved gasoline containers.
- Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never fuel the machine indoors.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliance.



- Before you begin refueling, minimize the risk of static electricity by touching a metal surface.

- Never fill containers inside a vehicle or on a truck or trailer bed with plastic liner. Always place containers on the ground away from the vehicle when filling.
- Remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, refuel such equipment with a portable container, rather than from a gasoline dispenser nozzle.
- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.
- If fuel is spilled on clothing, change clothing immediately.
- Never overfill fuel tank. Replace gas cap and tighten securely.
- Do not start the engine near spilled fuel.
- Never use gasoline as a cleaning agent.
- If leaks arise in fuel system, engine must not be started until problem has been resolved.
- Check the fuel level before each use and leave space for the fuel to expand, as the heat from the engine and the sun may otherwise cause the fuel to expand and overflow.

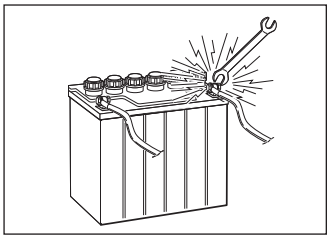
General Maintenance

WARNING! The engine and the exhaust system become very hot during operation.
There is risk for burns if touched.
Allow engine and exhaust system to cool before refueling.

- Never operate machine in a closed area.
- Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
- Maintain or replace safety and instruction labels, as necessary.
- Never tamper with safety devices. Check their proper operation regularly.
- Do not modify safety equipment. Check regularly to be sure it works properly. The machine must not be driven with defective or unmounted protective plates, protective cowlings, safety switches, or other protective devices.
- Do not change the settings of governors and avoid running the engine with overly high engine speeds. If you run the engine too fast, you risk damaging the machine components.
- Keep machine free of grass, leaves, or other debris buildup. Clean oil or fuel spillage and remove any fuel-soaked debris. Allow machine to cool before storing.
- If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before restarting.
- Never make any adjustments or repairs with the engine running.
- Check grass catcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary.

WARNING! The engine must not be started when the driver's floor plate or any protective plate for the mower deck's drive belt is removed.

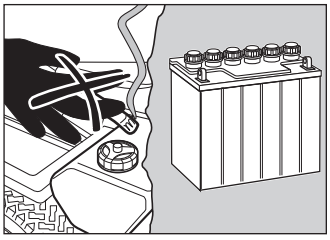
- Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.
- Make sure that the equipment is in good condition and that all nuts and bolts, especially those fastening the blade attachments, are properly tightened and torqued.
- Ensure that the fuel filler cap is mounted tightly and no flammable substances are stored in an open vessel.
- Never work with the starter circuit if there is spilled fuel.
- Sparking can occur when working with the battery and the heavy cables of the starter circuit. This can cause battery explosion, fire or eye injury. Sparking will not occur after the grounding cable (normally negative, black) is removed from the battery. Disconnect the grounding cable from the battery first and reconnect it last.



- Do not make a bridge short circuit across the starter relay to run the starter.
- Be very careful when handling battery acid. Acid on skin can cause serious corrosive burns. If you spill battery acid on your skin, rinse immediately with water.

WARNING! The battery contains lead and lead compounds, chemicals that are considered to cause cancer, birth defects, and other reproductive system damage. Wash your hands after handling the battery.

- Acid in the eyes can cause blindness, contact a doctor immediately.
- Be careful when servicing the battery. Explosive gases form in the battery. Never perform maintenance on the battery when smoking or near open flames or sparks.
- The battery can explode and cause serious injury or damage.
- Never use the machine indoors or in spaces lacking proper ventilation. The exhaust fumes contain carbon monoxide, an odorless, poisonous, and lethal gas.
- Stop to inspect the equipment if you run over or into anything. If necessary, make repairs before starting.



- Never make adjustments with the engine running.
- The machine is tested and approved only with the equipment originally provided or recommended by the manufacturer. Only use approved repair parts for the machine.
- Check the park brake's functionality regularly. Adjust and service as necessary.
- The mulch blades should only be used in familiar areas when higher quality mowing is desired.

 **CAUTION!** Use protective glasses for maintenance work.

- Reduce the risk of fire by removing grass, leaves, and other debris that may have accumulated on the machine.
- Allow the machine to cool before putting it in storage.
- Regularly clean deck and underside of deck, avoid spraying engine and electrical components with water.

Transport

- The machine is heavy and can cause serious crushing injuries. Be extra cautious when it is loaded on or unloaded from a vehicle or trailer.

WARNING! Use extreme caution when loading the machine into a truck or trailer using ramps. There is the possibility of serious injury or death if the machine falls off the ramps.

IMPORTANT INFORMATION The park brake is not sufficient to lock the machine in place during transport. Ensure that the machine is well fastened to the transport vehicle. Always reverse the machine onto the transport vehicle to avoid tipping it over.

- Use an approved trailer to transport the machine. Activate the park brake, turn off the fuel supply, and fasten the machine with approved fastening devices, such as bands, chains, or straps, when transporting.
- Do not operate this machine on public roadways.
- Check and abide by local traffic regulations before transporting the machine on any road.
- Do not tow this machine, it may cause damage to the drive system.
- Do not tow any trailers, etc. with this mower. They may jackknife or overturn causing damage to the mower and possibly serious injury to the operator.
- Load the unit onto truck or trailer by driving up ramps of suitable strength using a slow speed. Do not lift! The machine is not intended to be lifted by hand.
- When loading or unloading this machine, do not exceed the maximum recommended operation angle of 10^{O}.

Towing

If machine is equipped with a tow hitch, use extreme caution when towing. Never allow children or others in or on towed equipment..

Make wide turns to avoid jack-knifing. Travel slowly and allow extra distance to stop. Do not tow on sloped ground. The weight of the towed equipment may cause loss of traction and loss of control.

Follow the manufacturer's recommendation for weight limits for towed equipment. Do not tow near ditches, canals, and other hazards.

Spark Arrestor

This mower is equipped with an internal combustion engine and should not be used on or near any unimproved forested, bush covered or grassy lands unless the engine's system is equipped with a spark arrestor meeting applicable local or state laws (if any).

Federal laws apply on federal lands.

If a spark arrestor is used, it should be maintained in effective working order by the operator.

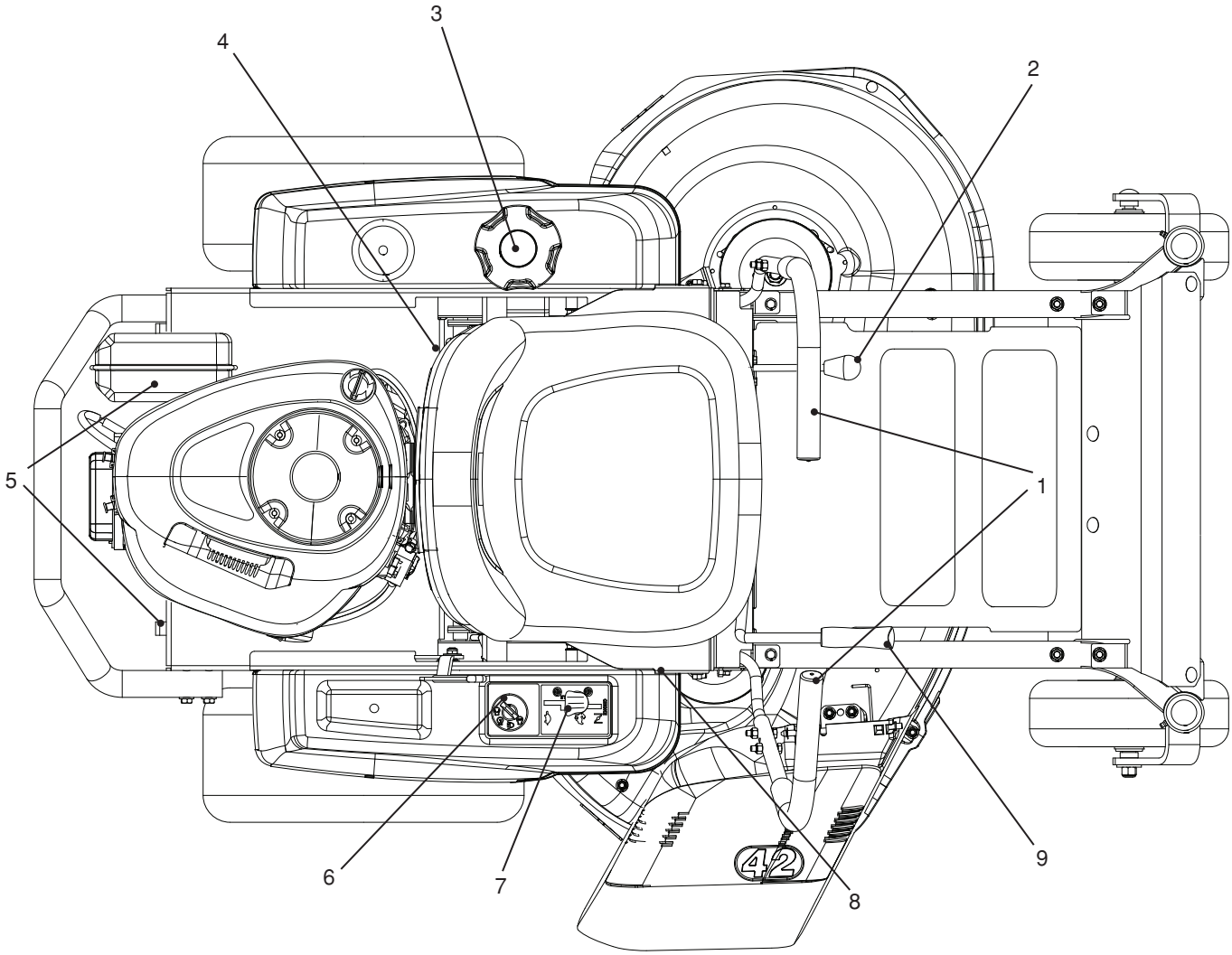
A spark arrestor for the muffler is available through your authorized Husqvarna dealer.

WARNING! Engine exhaust and certain vehicle components contain or emit chemicals considered to cause cancer, birth defects, or other reproductive system damage. The engine exhaust contains carbon monoxide, which is an odorless, colorless, poisonous gas. Do not use the machine in enclosed spaces.

This operator manual describes the Dixon Zero Turn Rider. The rider is fitted with a Briggs & Stratton four-stroke overhead valve engine.

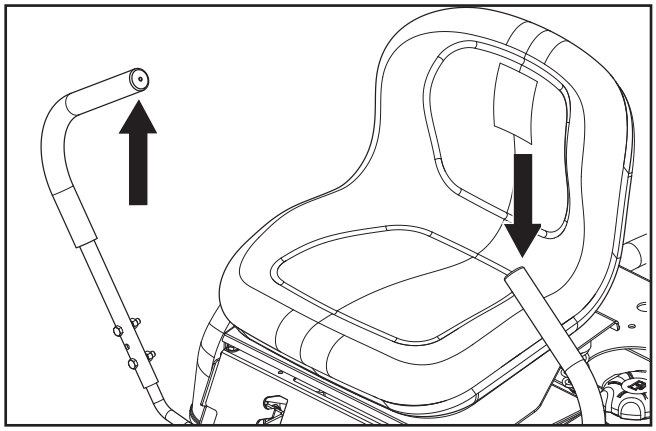
Transmission from the engine is made via belt-driven hydraulic pumps. Using the left and right steering controls, the flow is regulated and thereby the direction and speed.

Control Locations



1. Motion control levers
2. Blade control lever
3. Fuel tank cap
4. Fuel shut off valve
5. Bypass linkage
6. Ignition switch
7. Choke/throttle control
8. Park brake
9. Cutting height handle

Motion Control Levers



The machine's speed and direction are continuously variable using the two steering controls. The steering controls can be moved forward or backward about a neutral position. Furthermore, there is a neutral position, which is locked if the steering controls are moved outward.

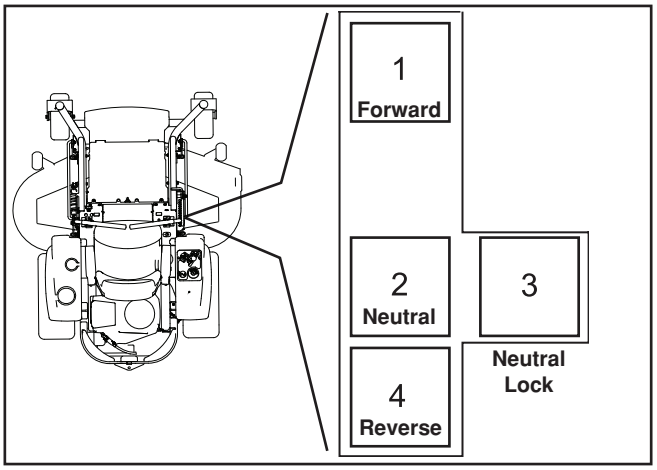
When both controls are in the neutral position (N), the machine stands still.

By moving both controls an equal amount forward or backward, the machine moves in a straight line forward or backward respectively.

In order, for example, to turn right while moving forward, move the right control towards the neutral position. The rotation of the right wheel is reduced and the machine turns to the right.

Zero turn can be achieved by moving one control backward (behind the neutral position) and carefully moving the other steering control forward from its neutral position. The rotation direction when zero turning is determined by which steering control is moved backward behind the neutral position. If the left steering control is pulled backward, the machine turns to the left. Use extra care when using this maneuver.

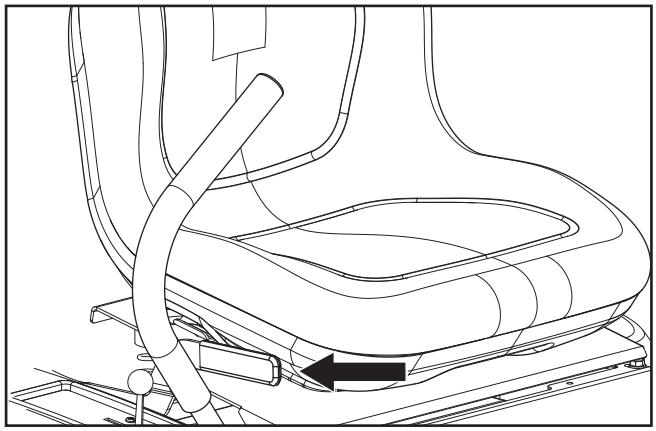
If the steering controls are in uneven positions when standing still or do not fit in the slots for moving the controls outward, they can be adjusted.



WARNING! The machine can turn very rapidly if one steering control is moved much further forward than the other.

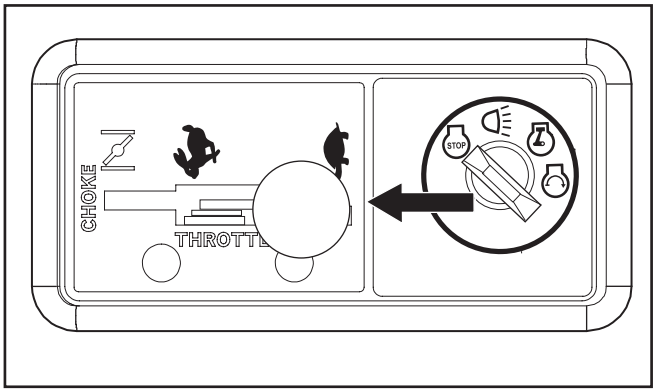
Park Brake

The park brake is found on the right side of the machine. Pull the lever backward to activate the brake and push forward to release it.



IMPORTANT INFORMATION The machine must stand absolutely still when applying the park brake. Always set the park brake before dismounting. Release the park brake before moving the mower.

Throttle Control



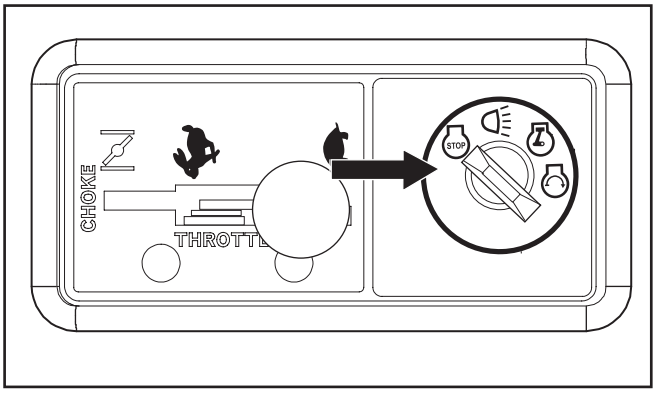
The throttle control regulates the engine speed and thereby the rate of rotation of the blades.

To increase or decrease the engine speed, the control is moved forward or back respectively.

Avoid idling the engine for long periods, as there is a risk of fouling the spark plugs.

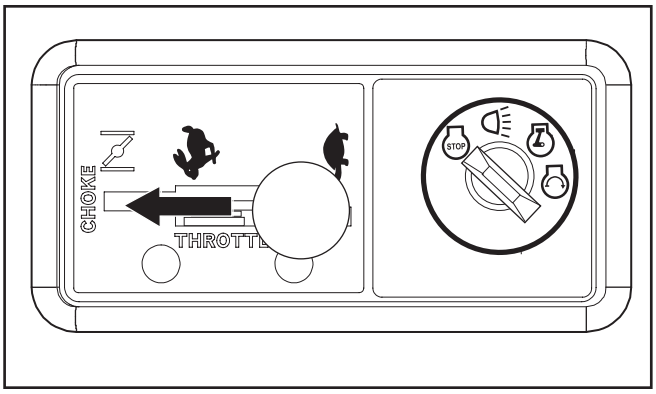
USE FULL THROTTLE WHEN MOWING, for best mower performance and battery charging.

Ignition Switch



The ignition switch is placed on the control panel and is used to start and stop the engine.

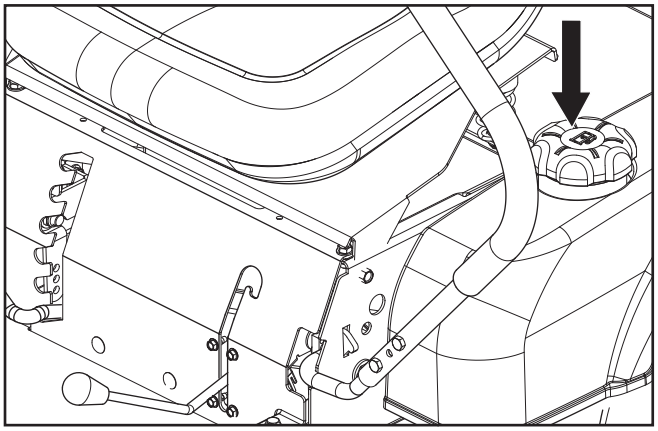
Choke Control



The choke control is used for cold starts to provide the engine with a richer fuel mixture.

For cold starts the throttle should be pushed forward to the choke position.

Refueling



Read the safety instructions before refueling. The machine has one fuel tank, just behind the seat. The tank volume is 3 gallons (11.4 liters).

Make sure the fuel cap is properly tightened and the cap gasket is not damaged.

The engine will run on a minimum of 85-octane unleaded gasoline (no oil mix). Environmentally adapted alkylate gasoline can be used. See also Technical Data concerning ethanol fuel. Methanol fuel is not allowed. Do not use E85 alcohol based fuel. Damage to engine and components may occur.

IMPORTANT INFORMATION Experience indicates that alcohol blended fuels (called gasohol, ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel the next season. See ***Storage*** for additional information. Never use engine or carburetor cleaners in the fuel tank or permanent damage may occur.

WARNING! Gasoline is highly flammable. Observe caution and fill the tank outdoors (see the safety instruction).

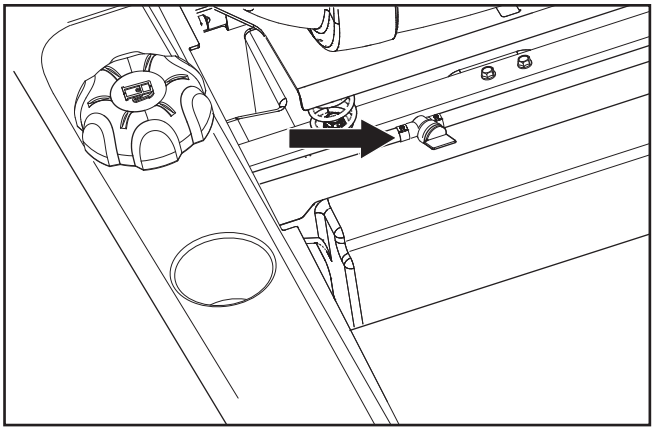
WARNING! The engine and the exhaust system, become very hot during operation.

Risk for burns if touched.

Allow engine and exhaust system to cool before refueling.

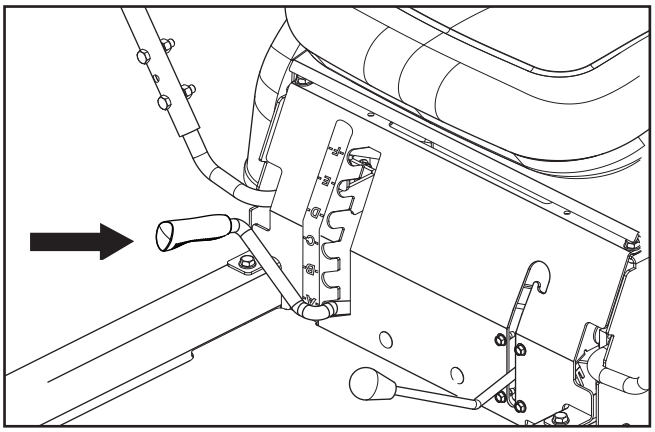
WARNING! Fill to bottom of filler neck. Do not overfill. Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

Fuel Shut Off Valve



The fuel shut off valve is located in the fuel line under the seat. Tilt seat forward for access. The fuel valve is ON when the valve is parallel to the fuel line. Rotate the valve ¼ turn clockwise to turn fuel OFF.

Mower Deck Lifting Lever



The lifting lever is used to place the mower deck in the transport position or one of the 6 different cutting height positions.

The cutting height is set by placing a lever in the notch for the desired cutting height.

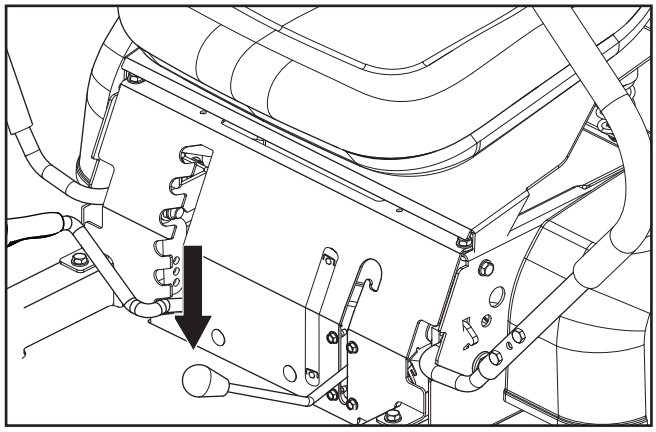
The lifting lever can also be used to temporarily adjust the cutting height, such as when passing a minor bump in the lawn.

IMPORTANT INFORMATION To obtain an even cutting height, it is important that the air pressure in all tires is 15 psi / 103 kPa / 1 bar.

IMPORTANT INFORMATION Always raise the deck to the highest position for transport.

Blade Control Lever

To engage the mower blades, slowly lift the lever up and into the lock notch.

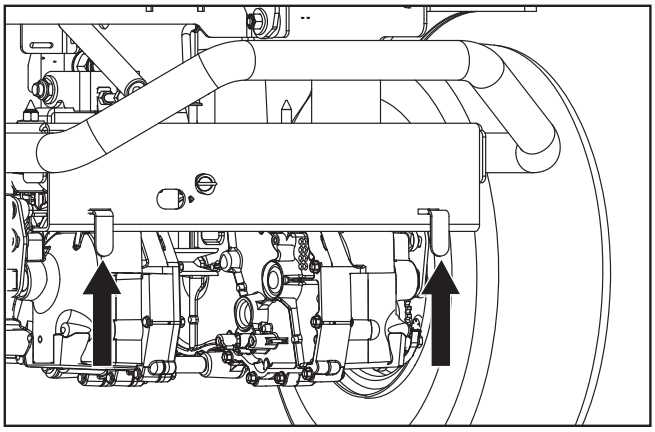


Tracking

If the mower is not tracking straight, check the air pressure in both rear tires. Recommended air pressure is 15 psi. (1 bar) Tracking must be checked on a flat and level concrete or blacktop surface. If the unit still does not track straight contact your Dixon workshop for adjustments.

Bypass Linkages

Transaxle bypass linkages must be engaged when pushing or pulling the mower. The release levers are located on each side of the rear of the unit below the rear engine plate. See ***Moving Machine By Hand*** in the **Operation** section.



⚠ **WARNING**! Bypass linkages are located close to the muffler. To prevent burns, the engine should be shut off and allowed to cool before the bypass linkage levers are handled.

Read the *Safety* section and following pages, if you are unfamiliar with the machine.

Training

Due to unique steering capabilities, zero turn mowers are far more maneuverable than typical riding mowers.

This section should be reviewed in its entirety prior to attempting to move the mower under its own power. When first operating the mower or until becoming comfortable with controls, use a reduced throttle speed and reduced ground speed. DO NOT move control levers to the furthest forward or reverse positions during initial operation.

First time users should become familiar with the mower's movement on a hard surface, such as concrete or blacktop PRIOR to attempting to operate on turf. Until the operator becomes comfortable with the mower controls and zero turning capability, overly aggressive maneuvers may damage turf.

Steering

To move forward and backward

The direction and speed of the mower's movements is effected by the movement of the control lever(s) on each side of mower. The left control lever controls the left wheel. The right control lever controls the right wheel.

First time users should push mower (see ***Manual Transport*** in the *Operation* section) to an open, flat area, without other people or vehicles/obstacles nearby. To move unit under its own power, the operator must be in the seat, start engine (see ***Before Starting*** in *Operation* section), adjust engine speed to idle, disengage park brake, do not engage blades at this time, rotate control levers inward. As long as the control levers have not been moved forward or backwards, mower will not move. Slowly move both control levers forward slightly. This will allow mower to start moving forward in a straight line. Pull back on control levers to the neutral position and mower should stop moving. Pull back slightly on control levers, this will allow mower to start moving backwards. Push forward on control levers to the neutral position and mower should stop moving.

To turn to the right

While moving in a forward direction, pull the right lever back towards the neutral position while maintaining the position of the left lever, this will slow the rotation of the right wheel and cause the machine to turn in that direction.

To turn to the left

While moving in a forward direction pull the left lever back towards the neutral position while maintaining the position of the right lever, this will slow the rotation of the left wheel and cause the machine to turn in that direction.

To zero turn

While moving in a forward direction, first pull both control levers back until the mower stops or slows dramatically.

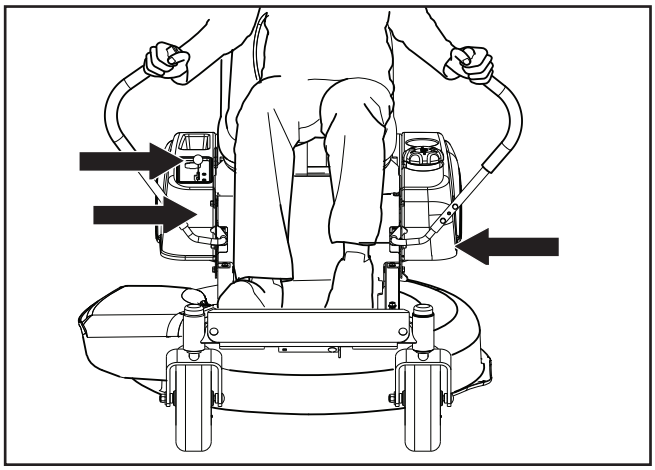
Then by alternating one lever slightly to the forward position and the other in the reverse position, complete the turn.

Before Starting

- Read the sections Safety Instructions and Controls before starting the machine.
- Perform the daily maintenance before starting (see Maintenance Schedule in the Maintenance section).
- Check that there is sufficient fuel in the fuel tank.
- Adjust the seat to the desired position.

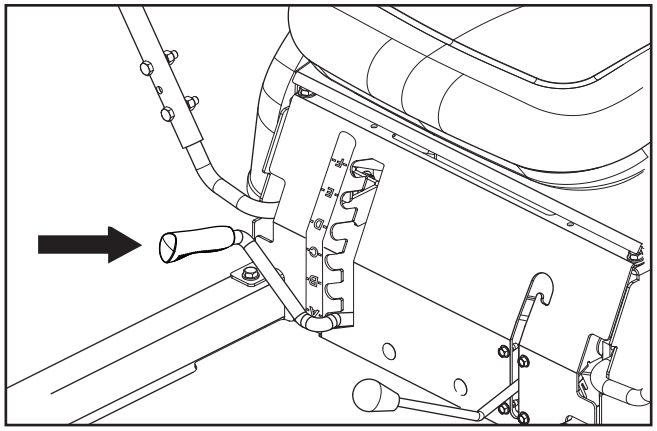
The following conditions must be fulfilled before the engine can be started:

- The driver must be seated on the seat.
- The blade control lever for engaging the mower blades must be down in the lower position.
- The park brake must be on.
- Both steering controls must be in the locked (outer) neutral position.

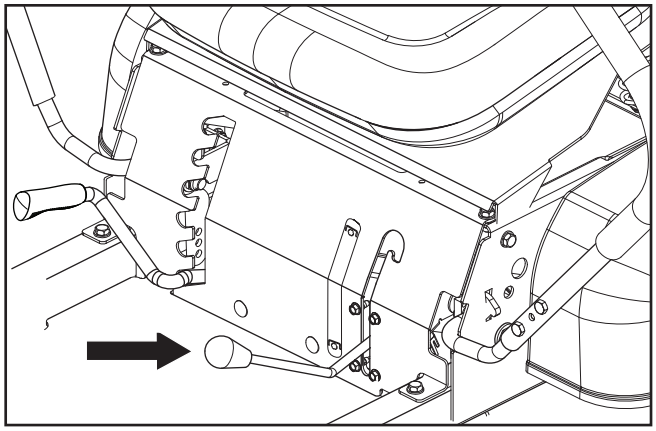


Starting the Engine

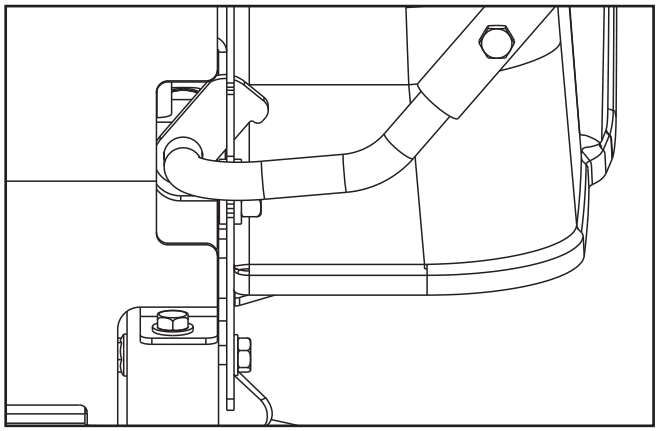
1. Sit on the seat.
2. Raise the mower deck by pulling the lifting lever upward to the transport position (F).
3. Activate the park brake.



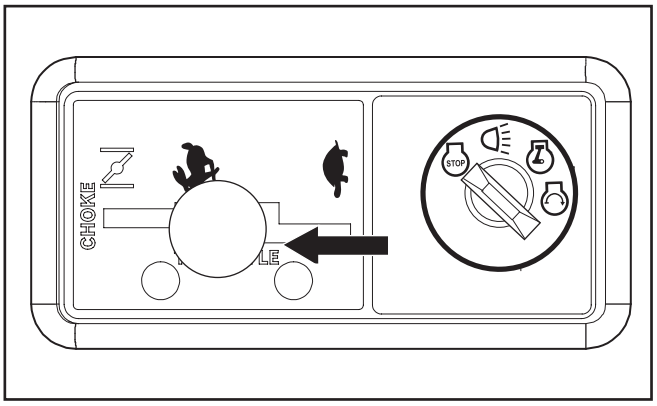
4. Disengage the mower blades by lowering the blade control lever out of the lock notch and into the down position.



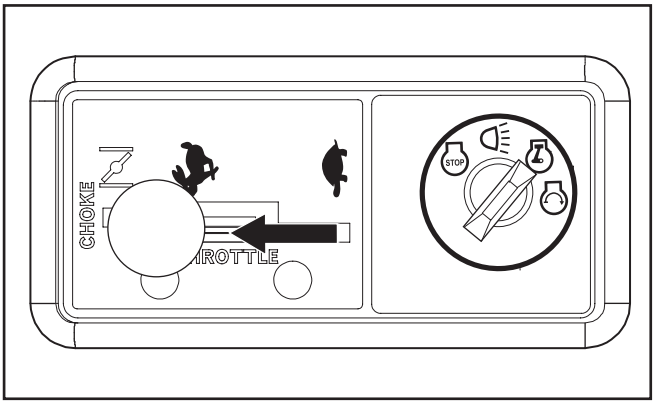
5. Move the steering controls outward to the locked (outer) neutral position.



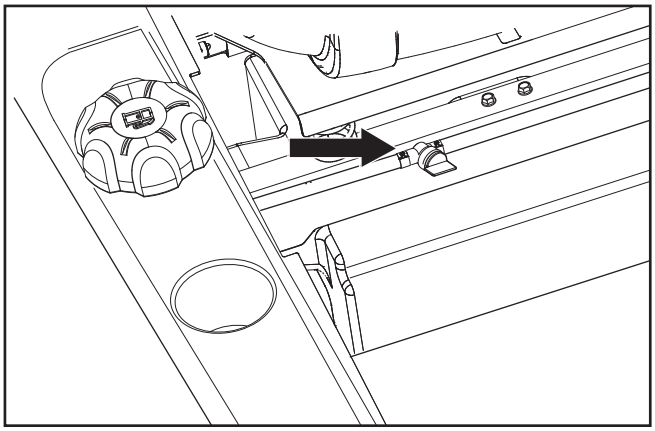
6. Move the throttle to the middle position.



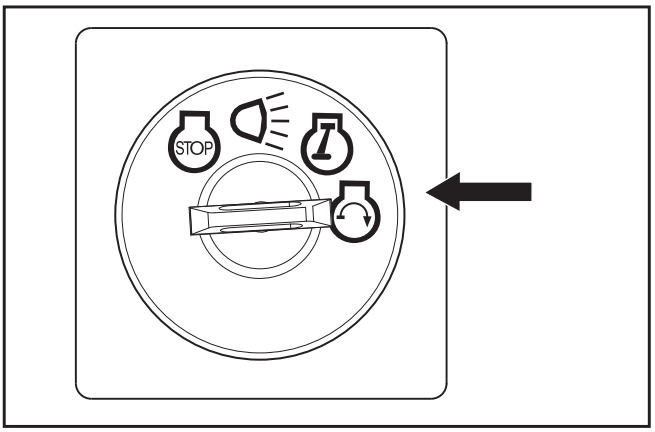
7. If the engine is cold, the choke control should be pushed forward to the choke position.



8. Open the fuel valve.



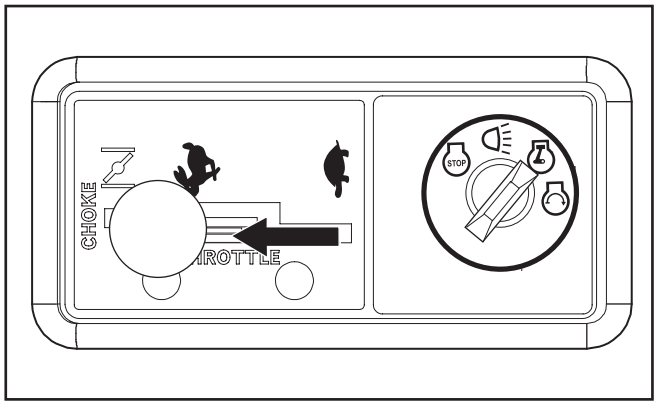
9. Press in and turn the ignition key to the start position.



10. When the engine starts, immediately release the ignition key back to the run position.
11. If the throttle control is in the choke position, slowly pull the control down to the middle throttle position when the engine has started.

IMPORTANT INFORMATION Do not run the starter for more than 5 seconds each time. If the engine does not start, wait approximately 10 seconds before retrying.

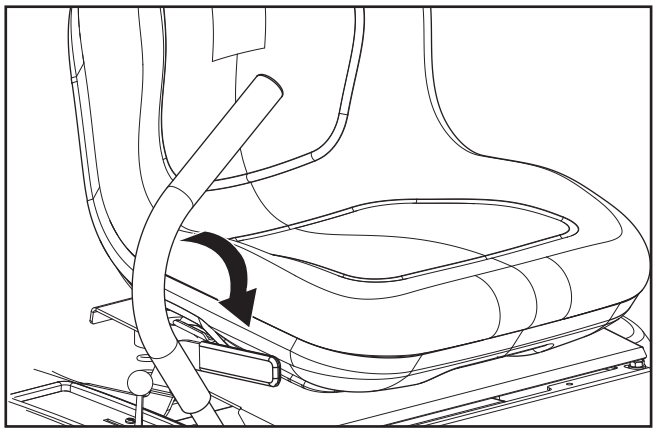
12. Set the desired engine speed with the throttle. Allow the engine to run at a moderate speed, approximately mid throttle, for 3-5 minutes before loading it too heavily. **USE FULL THROTTLE WHEN MOWING** (no choke).



WARNING! Engine exhaust and certain vehicle components contain or emit chemicals considered to cause cancer, birth defects or other reproductive system damage. The engine exhaust contains carbon monoxide, which is a odorless, colorless, poisonous gas. Do not use the machine in enclosed spaces.

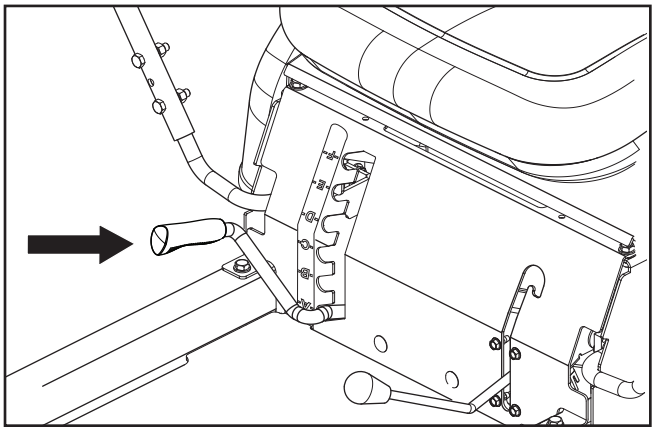
Running

1. Release the park brake by moving the lever downward.

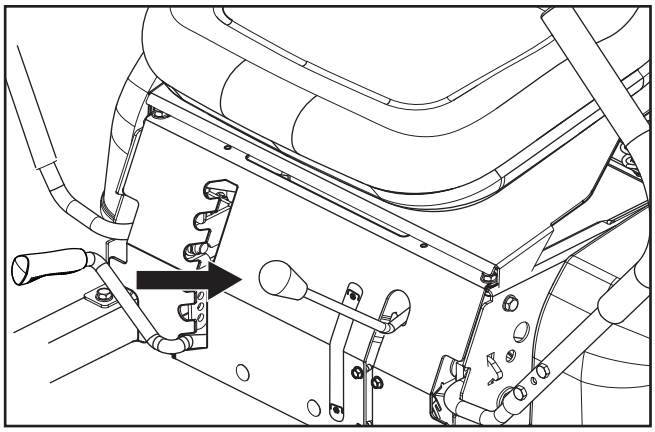


NOTE: The mower is equipped with an operator presence system. When the engine is running, any attempt by the operator to leave the seat without first setting the park brake will shut off the engine.

2. Move the steering controls to the neutral position (N).
3. Select the cutting height by placing the lever into the desired notch.



4. Move throttle control to full throttle.
5. Engage the mower blade by sliding the lever upwards and into the lock notch.



WARNING! Make sure that no one is near mower when engaging blade switch.

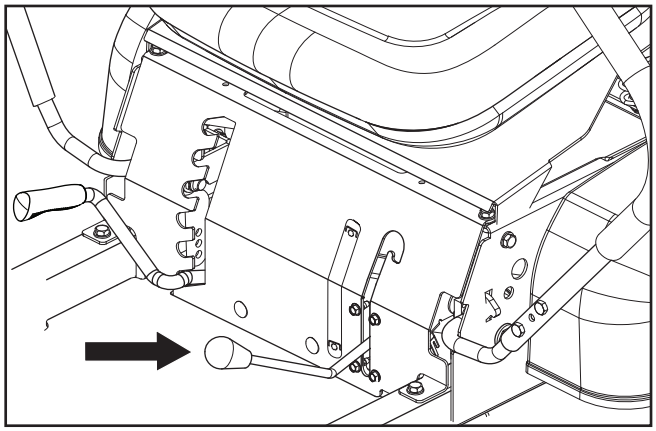
Make sure the work area is free from objects that could be thrown by the rotating blades.

6. The machine's speed and direction are continuously variable using the two steering controls. When both controls are in the neutral position, the machine stands still.
   By moving both controls an equal amount forward or backward, the machine moves in a straight line forward or backward respectively.
   In order, for example, to turn right while moving forward, move the right control towards the neutral position. The rotation of the right wheel is reduced and the machine turns to the right.
   Turning on the spot (zero turn) can be achieved by moving one control backward (behind the neutral position) and carefully moving the other steering control forward from its neutral position.

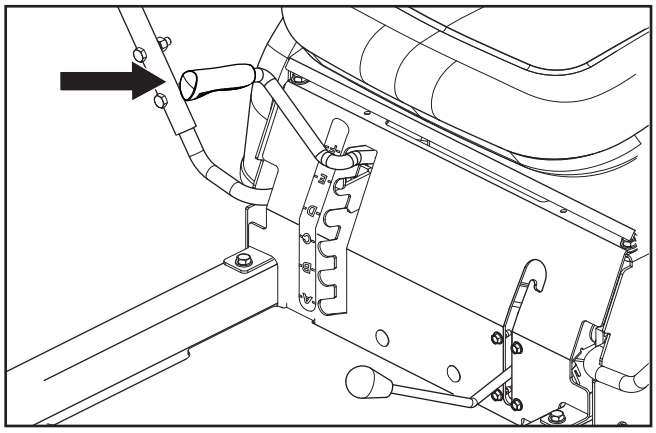
Stopping the Engine

Allow the engine to idle a minute to attain normal operating temperature before stopping it, if it has been worked hard. Avoid idling the engine for longer periods, as there is a risk of the spark plugs fouling.

1. Disengage the mower deck by sliding the blade control lever out of the lock notch and down into the lower position.



2. Raise the mower deck by pulling the lifting lever upward to the transport position.

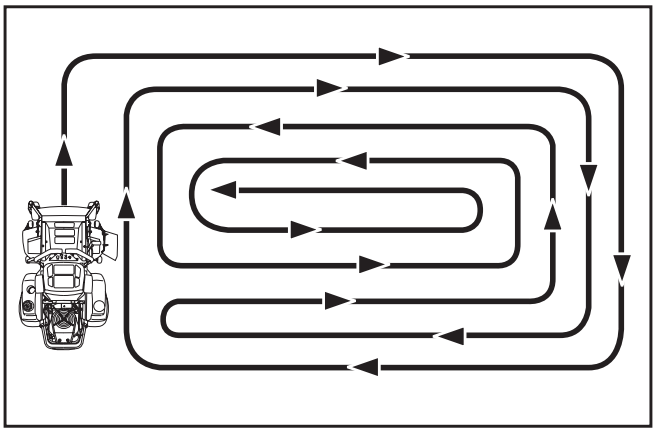


3. When the machine is standing still, activate the park brake by pulling the lever backward.
4. Move the throttle to the minimum position (tortoise symbol). Turn the ignition key to the stop position. Never use choke to stop the engine.
5. Move the steering controls outward.
6. Remove the key. Always remove key when leaving the mower to prevent unauthorized use.

IMPORTANT INFORMATION Leaving the ignition switch in any other position than OFF will cause the battery to be discharged.

Mowing Tips

- Observe and flag rocks and other fixed objects to avoid collisions.
- Begin with a high cutting height and reduce it until the desired mowing result is attained.
  The average lawn should be cut to 2½" (64 mm) during the cool season and over 3" (76 mm) during the hot months. For healthier and better looking lawns, mow often after moderate growth.
  For best cutting performance, grass over 6" (15 cm) in height should be mowed twice. Make the first cut relatively high, the second to the desired height.
- The mowing result will be best with a high engine speed (the blades rotate rapidly) and low speed (the rider moves slowly). If the grass is not too long and dense, the driving speed can be increased without negatively affecting the mowing result.
- The finest lawns are obtained by mowing often. The lawn becomes more even and the grass clippings more evenly distributed over the mown area. The total time taken is not increased as a higher operating speed can be used without poor mowing results.
- Avoid mowing wet lawns. The mowing result is poorer because the wheels sink into the soft lawn, clumps build, and the grass clippings fasten under the cowling.
- Hose the mower deck underside with water after each use. When cleaning, the mower deck shall be raised into the transport position. Make sure the mower is cooled and the engine is off.
- Use compressed air to clean top surface of the deck. Avoid flooding water on top surface, engine and electrical components.
- When the mulching kit is used, it is important that the mowing interval is frequent.



Weak Battery

If the battery is too weak to start the engine, it should be recharged. (See ***Battery*** in the *Maintenance* section.)

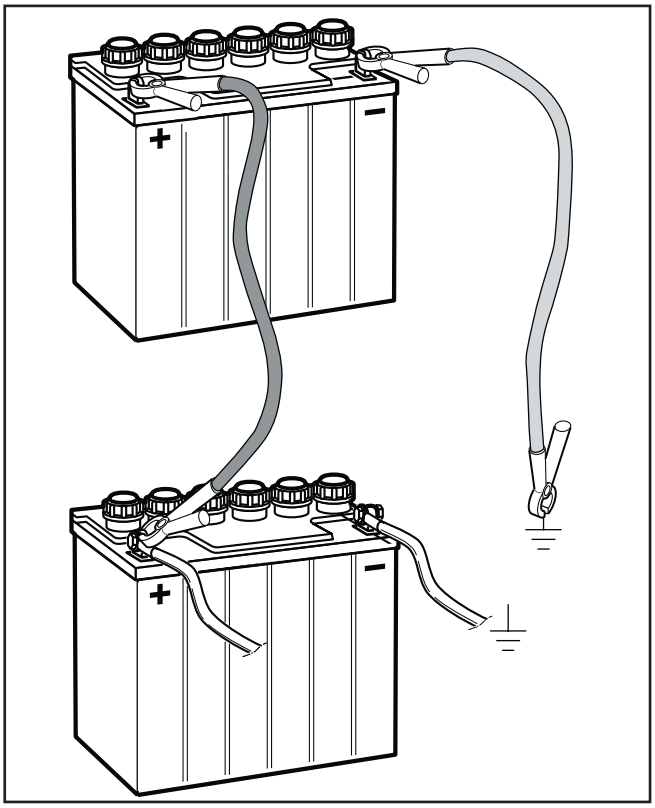
If jumper cables are used for emergency starting, follow this procedure:

Jumper Cable Use

1. Connect each end of the RED cable to the POSITIVE (+) terminal on each battery, taking care not to short against chassis.
2. Connect one end of the BLACK cable to the NEGATIVE (-) terminal of the fully charged battery.
3. Connect the other end of the BLACK cable to a good CHASSIS GROUND on the mower with the discharged battery, away from the fuel tank and battery.

To remove cables, reverse order

1. Remove BLACK cable first from chassis and then from the fully charged battery.
2. Remove RED cable last from both batteries.



CAUTION! Lead-acid batteries generate explosive gases. Keep sparks, flame and smoking materials away from batteries. Always wear eye protection when around batteries.

IMPORTANT INFORMATION The mower is equipped with a 12-volt negative grounded system. The other vehicle must also be a 12-volt negative grounded system. Do not use your mower to start other vehicles.

Operating on Hills

Read the Safety Instructions ***Driving on Slopes*** in the *Safety Instructions*.

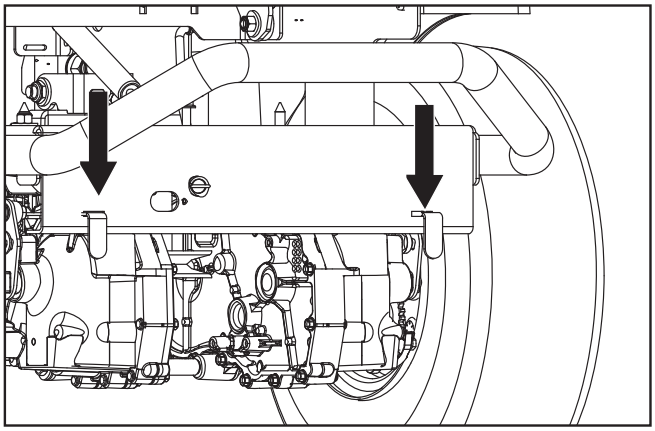
- The slowest speed possible should be used before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If stopping is absolutely necessary, pull drive levers into the neutral position and push to the outside of the unit and engage the park brake.
- To restart movement, release the park brake.
- Pull the control levers back to the center of the mower and press forward to regain forward motion.
- Make all turns slowly.

WARNING! Never drive the rider on terrain that slopes more than 10 degrees. Mow slopes up and down, never side to side. Avoid sudden directional changes.

Moving Machine By Hand

When pushing or pulling the mower, be sure to engage the EZT Hydrogear bypass linkages. The EZT bypass linkages are located on the rear of the frame, below the rear engine guard.

1. Raise the deck into the highest cutting position.
2. Pull the EZT bypass linkages out and into the slots. Release linkages to hold in the bypass position.
3. Release park brake.
4. To reengage the EZT's to drive, reverse the above procedure.



WARNING! Bypass linkages are located close to the muffler. To prevent burns, the engine should be shut off and allowed to cool before the bypass linkage levers are handled.

WARNING! Use extreme caution when loading the machine into a truck or trailer using ramps. There is the possibility of serious injury or death if the machine falls off the ramps.

Maintenance Schedule

The following is a list of maintenance procedures that must be performed on the machine. For those points not described in this manual, visit an authorized service workshop. An annual service carried out by an authorized service workshop is recommended to maintain your machine in the best possible condition and to ensure safe operation.

Read ***Maintenance*** in the *Safety* section.

Maintenance	Daily		At least once each year	Maintenance interval in hours			
	Before	After		25	50	100	300
Check the park brake	●						
Check the engine's oil level (every refueling)	■						
Check the safety system	●						
Check for fuel and oil leakages	♦						
Check/clean the engine's cooling air intake		■					
Check the mower deck		●					
Check for loose hardware (screws, nuts)		●					
Clean under the mower deck		●					
Start the engine and blades, listen for unusual sounds		♦					
Check for damage		♦					
Thoroughly clean around the engine		♦					
Clean around belts, belt pulleys		♦					
Check the tire pressures				●			
Check battery				●			
Sharpen/replace mower blades				●			
Clean the engine's cooling air intake [2]			■	■			
Clean the air cleaner's foam prefilter [2]			■	■			
Clean the air cleaner's paper filter cartridge [2]			■		■		
Check/adjust the park brake			♦		♦		
Check/adjust throttle cable						●	
Check the condition of belts, belt pulleys			●			●	
Change the engine oil [1]			■		■		
Replace the engine oil filter			■			■	
Clean/replace the spark plugs			■			■	
Check the caster wheels (every 200 hours)						●	
Check/adjust the mower deck			●				●
Check the engine valve clearance [4]			♦				♦
Perform the 300-hour service [4]			♦				♦
Lubricate according to Lubrication Schedule [3,4]			●	●	●	●	●

WARNING! Before performing any service or adjustment checklist:

- Engage the park brake.
- Place the Blade-switch in the disengaged position.
- Turn the ignition switch to OFF position and remove the key.
- Make sure the blades and all moving parts have completely stopped.

● = Described in this manual
♦ = Not described in this manual
■ = See engine manufacturers' Owners Manual

1) First change after 5-8 hours. When operating with a heavy load or at high ambient temperatures, replace every 50 hours.
2) In dusty conditions, cleaning and replacement are required more often.
3) For daily use, the machine should be lubricated twice weekly.
4) Performed by authorized service workshop.

Battery

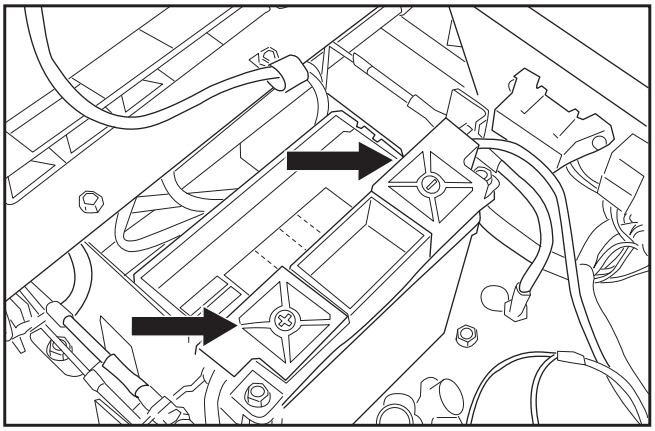
Your mower is equipped with a maintenance free battery that does not need servicing. However, periodic charging of the battery with an automotive type battery charger will extend its life.

- Keep battery and terminals clean.
- Keep battery bolts tight.
- See chart for charging times.

Cleaning battery and terminals

Corrosion and dirt on the battery and terminals can cause the battery to lose power.

1. Open the terminal access doors.



2. Disconnect BLACK battery cable first, then the RED battery cable and remove the battery from the machine.
3. Rinse the battery with plain water and dry.
4. Clean terminals and battery cable ends with wire brush until shiny.
5. Coat terminals with grease or petroleum jelly
6. Reinstall battery.

Replacing battery

1. Lift seat and rotate forward.
2. Open terminal access doors
3. Using two ½" wrenches disconnect BLACK battery cable then RED battery cable.
4. Using a 7/16 wrench, remove the bolts on either side of the terminal guard and lift off guard.
5. Carefully remove the battery from the mower.
6. Install new battery with terminals in the same position as the old battery.
7. Reinstall battery terminal guard.
8. First connect RED battery cable to positive (+) battery terminal with hex bolt and hex nut.
9. Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt and hex nut.
10. Close access doors.
11. Lower seat.

CAUTION! Always wear eye protection when around batteries.

STANDARD BATTERY	STATE OF CHARGE	APPROXIMATE BATTERY CHARGING TIME* TO FULL CHARGE AT 80°F / 27°C			
		Maximum Rate at:			
		50 Amps	30 Amps	20 Amps	10 Amps
12.6V	100%	- FULL CHARGE -			
12.4V	75%	20 min.	35 min.	48 min.	90 min.
12.2V	50%	45 min.	75 min.	95 min.	180 min.
12.0V	25%	65 min.	115 min.	145 min.	280 min.
11.8V	0%	85 min.	150 min.	195 min.	370 min.

*Charging time depends on battery capacity, condition, age, temperature and efficiency of charger

IMPORTANT INFORMATION Do not attempt to open or remove caps or covers. Adding or checking level of electrolyte is not necessary. Always use two wrenches for the terminal screws.

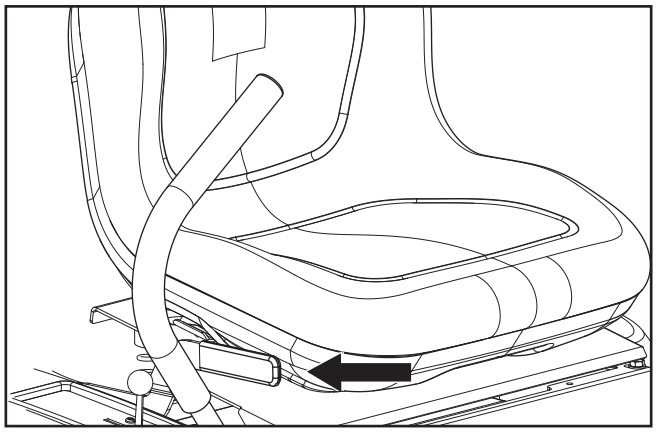
WARNING! Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time. Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc.

Positive terminal must be connected first to prevent sparks from accidental grounding.

Park Brake

Visually check that no damage is found on the lever, links, or switch belonging to the park brake. Perform a standstill test and check that there is sufficient braking action.

To adjust the park brake, contact the Dixon service workshop.



WARNING! Faulty adjustment will result in reduced braking ability and can cause an accident.

Safety System

The machine is equipped with a safety system that prevents starting or driving under the following conditions.

The engine can only be started when:

1. The mower deck is disengaged.
2. The steering controls are in the outer, locked neutral position.
3. The driver is sitting in the driver's seat.
4. The park brake is on.

Make daily inspections to ensure that the safety system works by attempting to start the engine when one of the conditions is not met. Change the conditions and try again.

If the machine starts when one of these conditions is not met, turn the machine off and repair the safety system before using the machine again.

Make sure the engine stops when the park brake is not engaged and the operator leaves the seated position.

Check that the engine stops if the mower blades are engaged and the driver temporarily moves off the drivers seat.

IMPORTANT INFORMATION To be able to drive, the driver must sit in the seat and release the park brake before the steering controls can be moved into the neutral position, otherwise the engine will stop.

EZT Belt

To replace EZT belt

Park the mower on a level surface. Engage the park brake.

EZT belt removal

NOTE: Be careful not to damage the fan blades on the EZT as this can affect cooling or damage the EZT.

1. Remove the deck belt (see ***To replace deck belt*** in this section of the manual).
2. Create slack in the belt by pushing the spring loaded idler arm inward. Rotate arm to release belt tension.
3. The belt should now be able to be removed from the engine pulley and EZT pulleys.

Belt installation

1. Wrap the EZT belt around the EZT pulleys.
2. Route the belt around the inside of the idler pulley.
3. Wrap the belt around the engine pulley.

CAUTION! Blades are sharp. Protect your hands with gloves and/or wrap blades with a heavy cloth when handling.

The sharpening of blades should be carried out by an authorized service workshop.

V-belts

Check every 100 hours of operation. Check for severe cracking and large nicks.

NOTE: The belt will show some small cracks in normal operation.

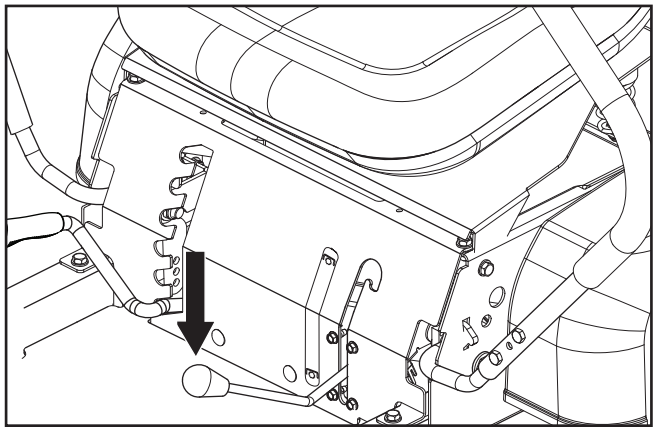
The belts are not adjustable. Replace belts if they begin to slip from wear.

Deck Belt

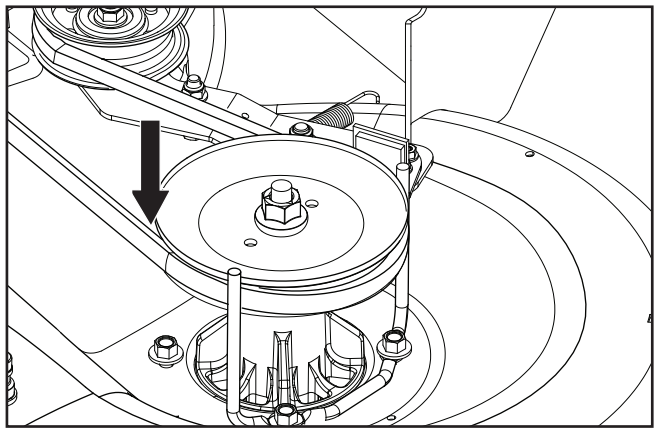
To replace deck belt

Deck belt removal.

1. Park on a level surface. Apply park brake.
2. Lower the deck to the lowest cutting position.
3. Disengage the clutch by sliding the blade control lever downwards.



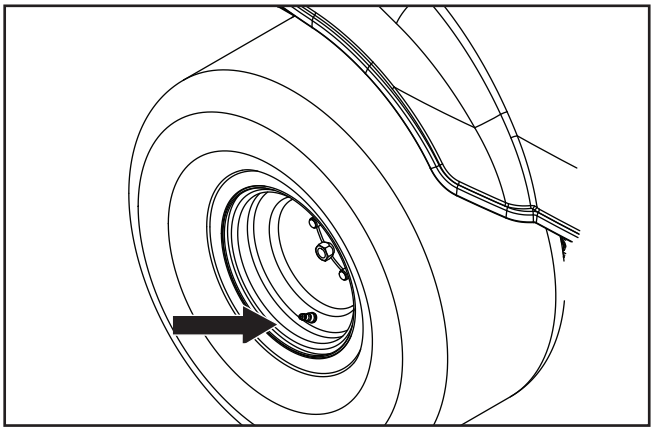
4. Carefully lift the belt away from belt keepers and off deck pulleys and remove from deck.



5. Replace belt (refer to the belt routing decal on the deck) and re-engage clutch.

Tire Pressures

All tires should be at 15 psi / 103 kPa / 1 bar.



IMPORTANT INFORMATION DO NOT add any type of tire liner or foam fill material to the tires. Excessive loads created by foam filled tires will cause premature failures.

Only use O.E.M. specified tires.

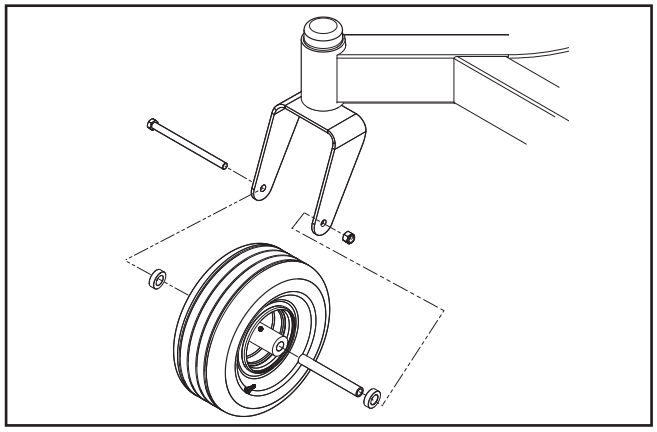
Caster Wheels

Check every 200 hours. Check that wheels rotate freely. If wheels do not rotate freely take the unit to your dealer for service.

Foam filled tires or solid tires will void the warranty.

Removal and installation of caster wheel

1. Remove nut and caster bolt.
2. Pull the wheel out of the fork and take care of the sleeve.
3. Reinstall in reverse order. Tighten caster bolt.



Cutting Blades

To attain the best mowing effect, it is important that blades are well sharpened and not damaged.

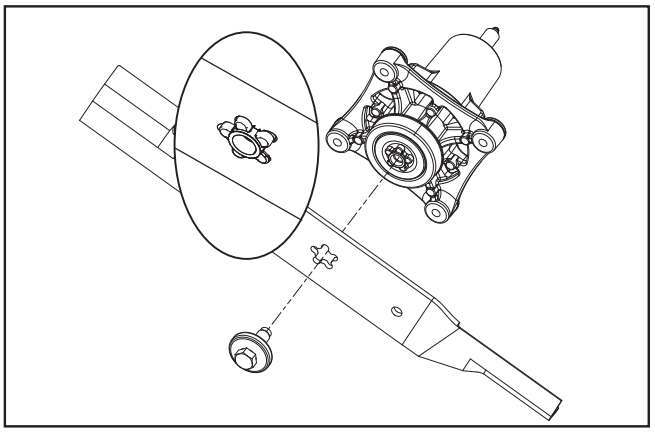
Replace blades that have been bent or cracked when hitting obstacles.

Let the service workshop decide whether a blade with large nicks can be repaired/ground or must be replaced. Balance the blades after sharpening.

Check the blade mounts.

Blade Replacement

1. Remove blade bolt by turning counterclockwise.
2. Install new or resharpened blade with stamped GRASS SIDE facing towards ground/grass (down) or THIS SIDE UP facing deck and cutter housing.



3. Seat the blade's opening firmly onto the cutter housing.
4. Tighten blade bolt securely.
5. Torque blade bolt to 45-60 ft/lbs (61-81 Nm).

IMPORTANT INFORMATION Special blade bolt is heat treated. Replace with a Dixon bolt if required. Do not use lower grade hardware than specified.

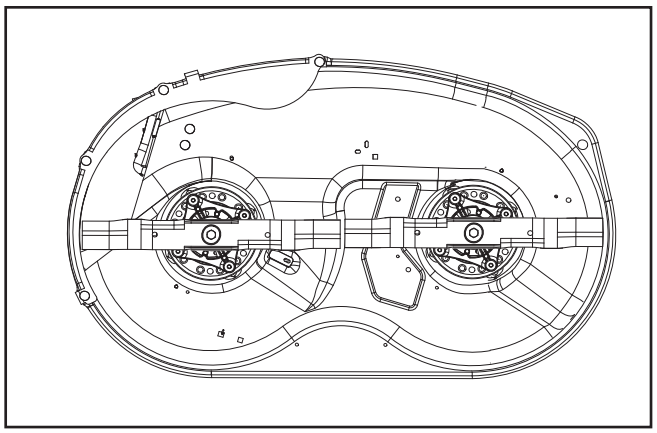
Adjusting the Mower Deck

CAUTION! Blades are sharp. Protect your hands with gloves and/or wrap blades with a heavy cloth when handling.

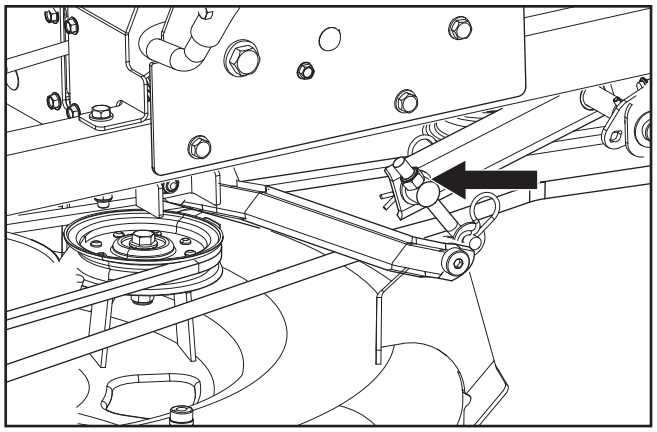
Check the tire pressure before adjustment of the mower deck. See ***Tire Pressures*** in *Maintenance*. Faulty mower deck adjustments will cause an uneven mowing result.

Leveling Deck

1. Position the mower on a level, preferably concrete, surface.
2. Check the pressure in all four tires. See *Technical Data* section.
3. Rotate blade to align side to side.



4. Measure from the floor surface up to the bottom of the blade tip on the discharge side of the mower deck. Record the measurement.
5. Move to the opposite side, check that measurement is the same. If adjustment is required turn front adjuster nut(s) to level deck side to side.

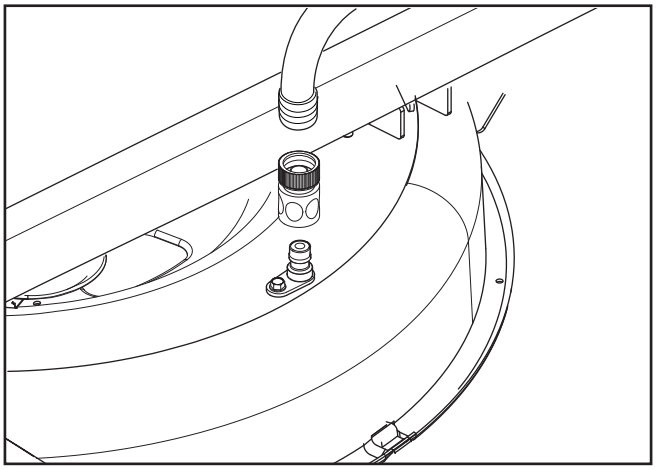


NOTE: This will place the mower deck in a standard measurement position. Depending on the type of grass being mowed or environmental conditions, additional adjustments may be required to achieve the desired cut.

Cleaning

Regular cleaning and washing, especially under the mower deck, will increase the machine's life-span. Make it a habit to clean the machine directly after use (after it is cooled), before the debris sticks.

Use compressed air to clean the top side of mower deck. For cleaning the underside of the deck, use the cleanout port.



Attach the quick connect (from the accessory packet) to any garden hose. After mowing, snap the hose to the cleanout port and turn on water.

Restart the mower and engage the blades to use the spinning action to wash away debris. Make sure the hose is away from the mower blades.

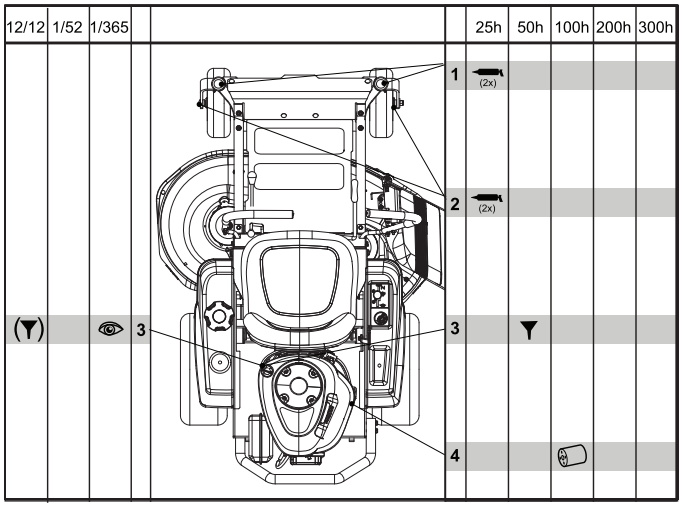
Avoid spraying water on the engine and electrical components.

CAUTION! Use protective glasses when cleaning and washing.

Hardware

Check daily. Inspect the entire machine for loose or missing hardware.

WARNING! The engine and the exhaust system, become very hot during operation. Risk for burns if touched. Allow engine and exhaust system before servicing.



12/12 Every year	Lubricate with grease gun
1/52 Every Week	Filter change
1/365 Every day	Oil change
	Level check

General

Remove the ignition key to prevent unintentional movements during lubrication.

When lubricating with an oil can, it must be filled with engine oil.

When lubricating with grease, unless otherwise stated, use a high grade molybdenum disulphide grease.

For daily use, the machine should be lubricated twice weekly.

Wipe away excess grease after lubrication.

It is important to avoid getting lubricant on the belts or the drive surfaces on the belt pulleys. Should this happen, attempt to clean them with spirits. If the belt continues to slip after cleaning, it must be replaced. Gasoline or other petroleum products must not be used to clean belts.

Use only good quality bearing grease.

Grease from well-known brand names (petrochemical companies, etc.) usually maintains a good quality.

IMPORTANT INFORMATION Use minimal lubrication and remove excess lubricant so that is does not come into contact with belts or belt pulley drive surfaces.

Transmission

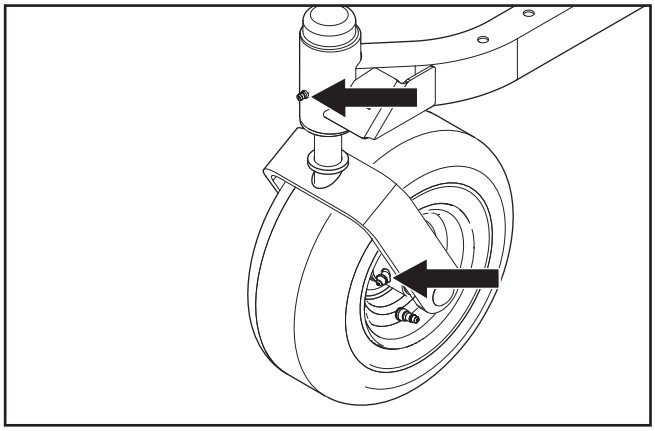
The transmission is maintenance free with no need for level checks or oil changes. If a leak occurs, replace the unit or contact your Dixon dealer.

Front Wheel Mount

Lubricate with a grease gun, one zerk for each wheel mount, until the grease is forced out.

Front Wheel Bearings

Lubricate with a grease gun, one zerk for each set of wheel bearings, until the grease is forced out.

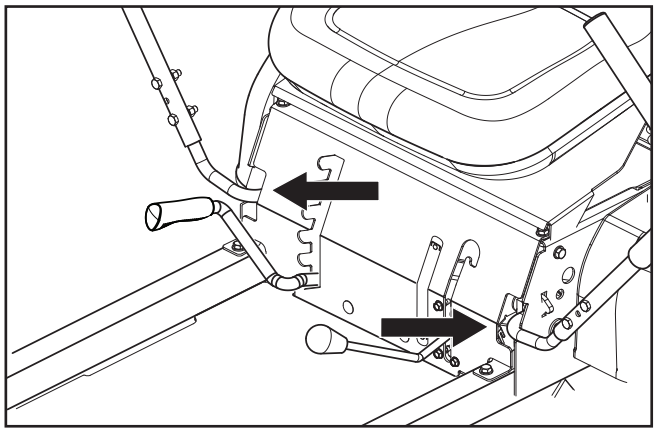


Steering Control Shafts

Tip the driver's seat.

Lubricate with a grease gun, one zerk for each steering control shaft, until the grease is forced out.

Use only good quality molybdenum disulphide grease.



Engine Lubrication

Refer to the engine manufacturer's manual for maintenance and service instructions.

TROUBLESHOOTING

Problem / Cause

Engine will not start

- Blade switch is engaged
- Steering controls are not locked in the neutral position
- Park brake is not activated
- Battery is dead
- Contamination in the carburetor or fuel line
- Fuel supply is closed
- Clogged fuel filter or fuel line
- Ignition system faulty

Starter does not turn the engine over

- Battery is dead
- Poor contact of the battery terminal cable connections
- Blown fuse
- Fault in the starter safety circuit. See ***Safety System*** in the *Maintenance* Section

Engine runs rough

- Faulty carburetor
- Choke control used with warm engine
- Defective valves
- Defective piston, cylinder, piston ring, or cylinder head seal
- Cylinder head bolts are loose
- Clogged fuel filter or jet
- Clogged ventilation valve on fuel cap
- Fuel tank nearly empty
- Fouled spark plug
- Spark plug is loose
- Defective ignition cable
- Defective spark plug electrode
- Defective spark plug connection
- Rich fuel mixture or fuel-air mixture
- Wrong fuel type
- Water in fuel
- Clogged air filter

Engine seems weak

- Clogged air filter
- Fouled spark plugs
- Air trapped in hydraulic system

Engine overheats

- Clogged air intake or cooling fins
- Engine overloaded
- Poor ventilation around engine
- Defective engine speed regulator
- Soot in the combustion chamber
- Too little or no oil in the engine
- Contamination in the carburetor or fuel line.
- Fouled spark plugs

Battery not charging

- Poor contact of the battery terminal cable connections
- Charging lead is disconnected

Machine moves slowly, unevenly, or not at all

- Park brake on
- Hydraulic pump bypass linkage engaged
- Drive belt for the transmission slack or has come off
- Air trapped in hydraulic system

Mower deck not engaging

- Drive belt for the mower deck has come loose
- Contact for the electromagnetic coupling has loosened
- Blade switch is faulty or has come loose from cable contact
- Blown fuse

Uneven mowing results

- Different air pressure in tires on the left and right sides
- Bent blades
- Suspension for the mower deck is uneven
- Blades are dull
- Driving speed too high
- Grass is too long
- Grass collected under the mower deck

Machine vibrates

- Blades are loose
- Blades are incorrectly balanced
- Engine is loose

Winter Storage

The machine should be readied for storage at the end of the mowing season, or if it will not be in use for longer than 30 days. Fuel allowed to stand for long periods of time (30 days or more) can leave sticky residues that can plug the carburetor and disrupt engine function.

Fuel stabilizers are an acceptable option as regards to the sticky residues that can occur during storage.

Add stabilizer to the fuel in the tank or in the storage container. Always use the mixing ratios specified by the manufacturer of the stabilizer. Run the engine for at least 10 minutes after adding the stabilizer so that it reaches the carburetor. Do not empty the fuel tank and the carburetor if you have added stabilizer.

WARNING! Never store an engine with fuel in the tank indoors or in poorly ventilated spaces where fuel vapor can come in contact with open flames, sparks, or a pilot light such as in a boiler, hot water tank, clothes dryer, etc. Handle the fuel with care. It is very flammable and can cause serious personal injury and property damage. Drain the fuel into an approved container outdoors and store far away from open flame or sources of ignition. Never use gasoline for cleaning. Use a degreaser and warm water instead.

To ready the machine for storage, follow these steps:

1. Thoroughly clean the machine, especially under the mower deck. Touch up damage to the paint and spray a thin layer of oil on the underside of the mower deck to avoid corrosion.
2. Inspect the machine for worn or damaged parts and tighten any nuts or screws that may have become loose.
3. Change the engine oil; dispose of properly.
4. Empty the fuel tanks or add a fuel stabilizer. Start the engine and allow it to run until the carburetor is drained of fuel or the stabilizer has reached the carburetor.
5. Remove the spark plug and pour about a tablespoon of engine oil into the cylinder. Turn over the engine so that the oil is evenly distributed and then refit the spark plug.
6. Lubricate all grease zerks, joints, and axles.
7. Remove the battery. Clean, charge, and store the battery in a cool place, but protect it from direct cold.
8. Store the machine in a clean, dry place and cover it for extra protection.

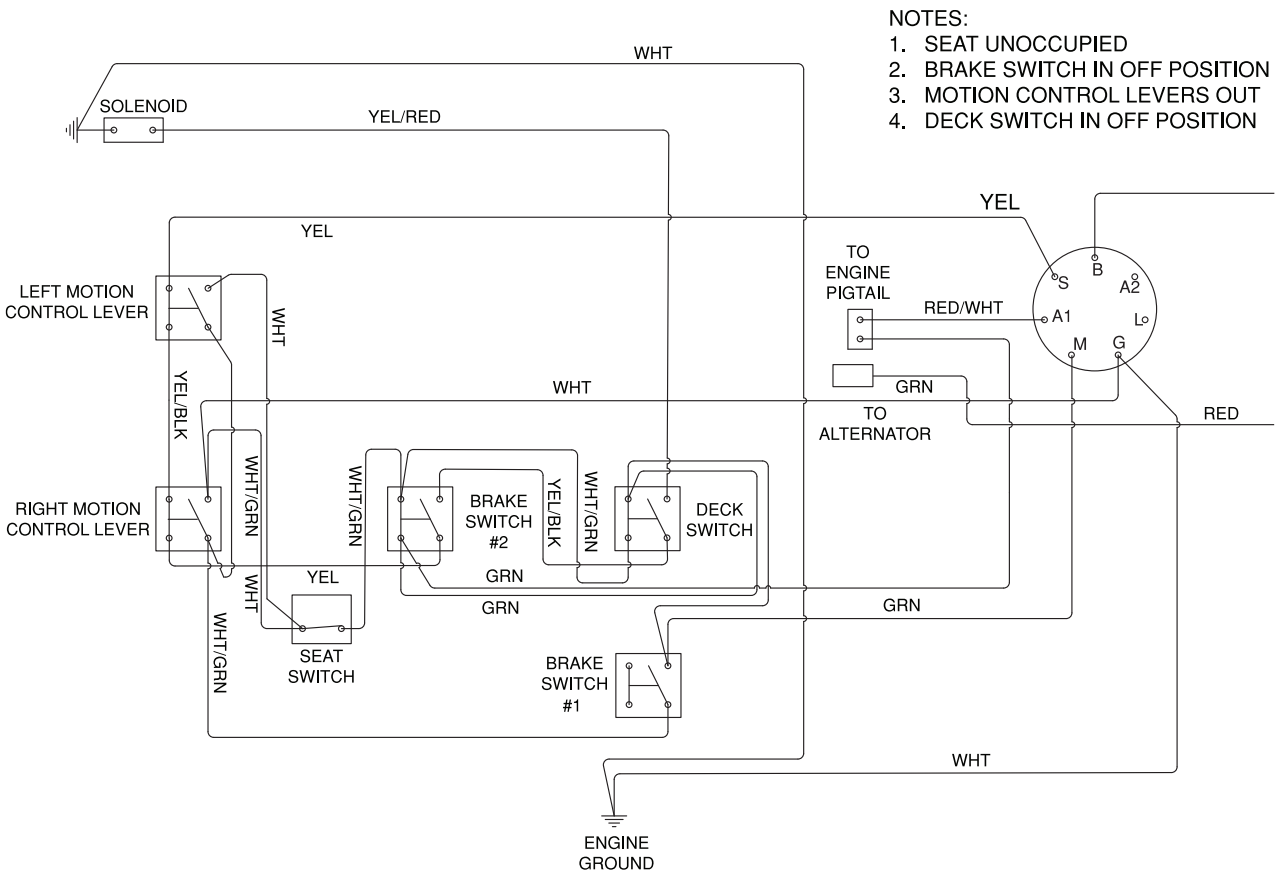
Service

When ordering spare parts, please specify the purchase year, model, type, and serial number.

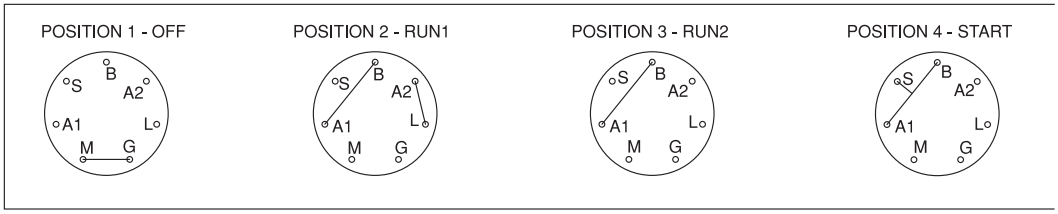
Always use genuine Dixon spare parts.

An annual checkup at an authorized service workshop is a good way to ensure that the machine performs its best the following season.

SCHEMATIC



KEY SWITCH POSITIONS



TECHNICAL DATA

Engine	
Manufacturer	Briggs & Stratton
Type	Professional
Power	9.5 kW [1]
Lubrication	Pressure with oil filter
Fuel	Min 86 octane unleaded (Maxethanol 5%, Max MTBE 15%)
Fuel tank capacity	3 gallons / 11.3 liters
Cooling	Air cooled
Air filter	Standard
Alternator	12V / 16A
Starter	Electric 12V
Transmission	
Transmission	EZT Hydro Gear
Speed and direction controls	Dual levers, foam gripped
Speed forward	6.5 mph / 10,5 km/h
Speed reverse	3.3 mph / 5,3 km/h
Brakes	Mechanical park brake
Front caster tires, smooth tread	11 x 4-5 4 ply
Rear tires, turf pneumatic	18 x 7.5-8
Tire pressure	15 PSI / 103 kPa / 1 bar
Equipment	
Cutting width	42"
Cutting height	1½"-4" / 2,5 cm - 10,6 cm
Number of blades	2
Blade length	21" / 53 cm
Sprung seat	Standard
Blade engagement	Manual
Deck construction	Stamped
Productivity	
Output	2.2 acres/hr / 8,903 m^2/hr
Overall dimensions	
Weight	550 lbs / 250 kg
Base machine length	66½" / 169 cm
Base machine height	39¼" / 100 cm
Base machine width	35½" / 90 cm
Overall width, chute up	43" / 109 cm
Overall width, chute down	58" / 147cm

Vibrations [1]	
Steering Lever	1,94 m/s^2
Seat	0,11 m/s^2
Noise Emissions [2]	
Sound Lever at Operator's Ear	86 dB(A)
Guaranteed Noise Level	100 dB(A)
Measured Noise Level	99 dB(A)

[1] The power rating as declared by the engine manufacturer is the average gross power output at the specified RPM of a typical production engine for the engine model measured using SAE Standards for engine gross power. Refer to the engine manufacturer engine specifications.

Torque Specifications

Engine crankshaft bolt	75 ft/lb (102 Nm)	Standard 5/16" fasteners	18 ft/lb (24 Nm)
Deck pulley bolts	70 ft/lb (95 Nm)	Standard 3/8" fasteners	33 ft/lb (45 Nm)
Lug nuts	75 ft/lb (102 Nm)	Standard 7/16" fasteners	52 ft/lb (71 Nm)
Blade bolt	60 ft/lb (81 Nm)	Standard ½" fasteners	80 ft/lb (108 Nm)
Standard ¼" fasteners	9 ft/lb (12 Nm)		

HEX HEAD CAP SCREWS

The torque values shown should be used as a general guideline when specific torque values are not given.

U.S. Standard Hardware

Grade		SAE Grade 5		SAE Grade 8		Flangelock Screw w/Flangelock Nut	
	Size	ft./lbs	Nm	ft./lbs	Nm	ft./lbs	Nm
Shank Size (Diameter in inches, fine or coarse thread)	1/4	9	12	13	18		
	5/16	18	24	28	38	24	33
	3/8	31	42	46	62	40	54
	7/16	50	68	75	102		
	1/2	75	102	115	156		
	9/16	110	149	165	224		
	5/8	150	203	225	305		
	3/4	250	339	370	502		
	7/8	378	512	591	801		
	1 1/8	782	1060	1410	1912		

** Grade 5 - Minimum commercial quality (lower quality not recommended)

Metric Standard Hardware

Grade		Grade 8.8		Grade 10.9		Grade 12.9	
	Size	ft./lbs	Nm	ft./lbs	Nm	ft./lbs	Nm
Shank Size (Diameter in inches, fine or coarse thread)	M4	1.5	2	2.2	3	2.7	3.7
	M5	3	4	4.5	6	5.2	7
	M6	5.2	7	7.5	10	8.2	11
	M7	8.2	11	12	16	15	20
	M8	13.5	18	18.8	25	21.8	30
	M10	24	33	35.2	48	43.5	59
	M12	43.5	59	62.2	84	75	102
	M14	70.5	96	100	136	119	161
	M16	108	146	147	199	176	239
	M18	142	193	202	274	242	328
	M20	195	264	275	373	330	447
	M22	276	374	390	529	471	639
	M24	353	478	498	675	596	808
	M27	530	719	735	996	904	1226

SERVICE JOURNAL

Action	Date, mtr reading, stamp, sign
Delivery Service	
Charge the battery	❑
Adjust the tire pressure of all wheels to 15 PSI (1 bar)	❑
Mount the steering controls in the normal position	❑
Connect the contact box to the cable for the seat's safety switch	❑
Check that the right amount of oil is in the engine	❑
Adjust the position of the steering controls	❑
Fill with fuel and open the fuel shut off valve	❑
Start the engine	❑
Check that there is drive to both wheels	❑
Check the mower deck adjustment	❑
Check:	
Safety switch for the park brake	❑
Safety switch for the mower deck	❑
Safety switch in the seat	❑
Safety switch in the steering controls	❑
Park brake functionality	❑
Driving forward	❑
Driving backward	❑
Engaging the blades	❑
Check the idle speed	❑
Check the engine high idle speed	❑
Inform the customer about:	
Need and advantages of following the service schedule	❑
Need and advantages of leaving the machine for service every 300 hours	❑
Effects of service and maintaining a service journal on the machine's resale value	❑
Application areas for mulching	❑
Fill in the sales papers, etc	Delivery service has been carried out. No remaining notes. Certified:

SERVICE JOURNAL

Action	Date, mtr reading, stamp, sign
After 5-10 Hours Change the engine oil	❑

Action	Date, mtr reading, stamp, sign
25-Hour Service	
Check the fuel pump's air filter	❑
Sharpen/Replace mower blades if required	❑
Check the tire pressures	❑
Check battery cables	❑
Lubricate according to lubrication chart	❑
Check/clean the engine's cooling air intake	❑
Clean the air cleaner's foam pre-filter	❑

Action	Date, mtr reading, stamp, sign
50-Hour Service	
Perform the 25-hour service	❑
Clean/replace the air cleaner's paper filter cartridge (shorter intervals for dusty operating conditions)	❑
Change engine oil	❑
Lubricate according to lubrication chart	❑
Check/adjust the park brake	❑

SERVICE JOURNAL

Action	Date, mtr reading, stamp, sign
100-Hour Service	
Perform the 25-hour service	❑
Perform the 50-hour service	❑
Change the engine oil filter	❑
Clean/replace the spark plugs	❑
Replace the fuel filter	❑
Check V-belts	❑
Check tighten caster wheel axle bolts (every 200 hours)	❑
Change the air filter's paper cartridge	❑

Action	Date, mtr reading, stamp, sign
300-Hour Service	
Perform the 25-hour service	❑
Perform the 50-hour service	❑
Perform the 100-hour service	❑
Check/adjust the mower deck	❑
Clean the combustion chamber and grind the valve seats	❑
Check the engine valve clearance	❑
Replace the air cleaner's foam prefilter	❑

Action	Date, mtr reading, stamp, sign
At Least Once Each Year	
Clean the engine's cooling air intake (25 hours)	❑
Replace the air cleaner's foam pre-filter (300 hours)	❑
Replace the air filter's paper cartridge	❑
Change the engine oil (50 hours)	❑
Replace the engine oil filter (100 hours)	❑
Check/adjust the cutting height	❑
Check/adjust the park brake (50 hours)	❑
Clean/Change the spark plugs (100 hours)	❑
Change the fuel filter (100 hours)	❑
Check the engine valve clearance	❑

SERVICE JOURNAL

Action	Date, mtr reading, stamp, sign

DIXON®