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INTRODUCTION

Operating Instructions

This manual is an integral part of the mower, keep it clean and in good condition. In case of loss or damage, replace it immediately. Always keep it available with the machine and, if handed over to another owner/operator, please provide the manual as well.

Please read these operating instructions carefully, if you do not understand some point, please contact your supplier or the manufacturer to clarify. Do not operate the mower without proper understanding of the operation manual.

Improper use, maintenance or operation may result in serious injury or even death or to you or others.

This machine is intended for mowing grass under normal conditions. Any other use is contrary to the intended use of the machine. Strict compliance with the conditions of use, maintenance and repair as prescribed by the manufacturer also forms an integral part of the intended use of the machine.

Accident prevention, occupational safety and health as well as all traffic rules and regulations must always be followed.

The manufacturer disclaims any liability for modifications, changes made to the product that are not carried out and approved by the manufacturer, non-compliance with the instructions for use, as well as the consequences of damage to property or the health of the operator or other people.

Used symbols

❗ Warns of a very likely risk of serious or life-threatening injury if the relevant instructions are not followed.

👉 Provides helpful information.

Mower delivery

Before putting the mower into operation for the first time, each owner is obliged to ensure the proper technical and practical training of his staff - the operation and the basic maintenance of the mower. Training and practical training will be carried out by a sales representative - a product specialist, a service worker of the manufacturer or supplier of the mower when putting the mower into operation. The training will be registered by the manufacturer’s or distributor’s / dealer’s representative with a written record of all trained personnel. Trained staff must sign the protocol.

Manufacturer representative is:
1 INSTRUCTIONS

1.1 SERIAL NUMBER
In this manual you will find information about the Spider XLINER
Applies to all models starting with serial number..............................

1.2 USING THE MANUAL
Refer to the manual for product, technical specifications and maintenance information. Conditions for safe
operation are also included.
Please read the manual thoroughly before using the mower for the first time, even if you have previously used a
mower of the same / similar type, as technical parameters, mower systems and controls may have changed.
If you are unsure about any point, contact the manufacturer, SPIDER distributor/dealer or employer. Don't guess!
You or someone else may be seriously injured or even killed.
The general and specific warnings in this section are repeated throughout the manual. Read all safety instructions
regularly to avoid forgetting them. Remember that the best operator is the one that works safely.
The manufacturer is constantly trying to improve its products. Therefore, in rare cases, changes between the
construction of the mower and the manual may occur. We are not responsible for these deviations.

1.3 SAFETY
SAFETY – YOUR AND OTHER PERSONS
Each mechanism is potentially dangerous. However, if you operate the product properly and keep it in good
working condition, working with it will be completely safe. If you operate it carelessly or neglect the basic
maintenance, it can be dangerous for you (the operator) as well as others.
You will find warnings in this manual and on the product, read them and follow them. The manual will alert you to
potential hazards and advise you on how to avoid them. If you do not understand the warning messages, ask your
employer or SPIDER distributor / dealer for an explanation.
Please be aware that security is not just a matter of responding to a given alert. You must keep in mind the
possible hazards and try to avoid them for the duration of the work on or with the product.
Do not start working with the mower until you are sure that you can operate it properly.
Do not start working with the mower until you are sure it is safe for you and others around you.
If you are unclear about the product or work, ask someone who can properly inform you. Do not assume anything.

SAFETY WARNINGS
Safety instructions are provided in this manual and on the product. Each notification is indicated by a signal word.
The meanings of the signal words are given below.

The words: 'DANGER', 'WARNING', 'CAUTION' are to be taken seriously. They indicate the likelihood of serious
injury or danger to life if the relevant instructions are not followed.

The safety symbol helps identify important safety messages in this manual and on the product. If you see this
symbol, be alert, your security may be at risk, read the message that follows and inform other operators.
GENERAL SAFETY

Training
Efficient and safe use of the mower includes your knowledge and skills. You must comply with all applicable laws, health and safety regulations in force in the country where the mower is being used. The operating instructions contain instructions on the mower, its controls and safe operation. It is however by no means a training manual. If you are a new operator, have yourself trained on how to use the mower before attempting to use it. If you do not take this recommendation into account, you will not be able to work properly with the mower and expose yourself and others to danger. Make sure you and the lawnmower comply with local laws and workplace requirements - It is your duty.

Attention and vigilance
Be attentive and vigilant throughout the work with the mower. Always be careful. Always consider potential dangers.

Alcohol and drugs
It is prohibited and extremely dangerous to operate the mower under the influence of drugs or alcohol. Do not drink alcohol or use drugs before working or during use of the mower. Do not take medication that may impair proper use of the mower.

Nausea
Do not attempt to operate the mower unless you feel comfortable. If you do, you could endanger yourself and the people who work around you.

Mobile Phones
Turn off your mobile phone before entering a potentially explosive environment. Sparks in such areas could cause an explosion or fire resulting in death or serious injury. Turn off your mobile phone and do not use it when refueling the mower.

Raised mower
You or part of your body should never be placed under a raised mower that is not properly supported. If the mower moves unexpectedly, it could cause serious injury or death.

Lightning
Lightning can kill you. Do not use the mower during electrical storms.

Adjusting the mower
The manufacturer renounces any liability for modifications, changes made to the product that are not carried out and approved by the manufacturer, non-compliance with the instructions for use, as well as the consequences of damage to property or the health of the operator and other people. Always contact the manufacturer DVOŘÁK - svahové sekačky s.r.o. for more information.

Clothing and personal protective equipment
Do not wear loose clothing and put away any jewelry that may get caught by the controls or that may be drawn into moving parts. Wear protective clothing and personal protective equipment, as required by your job, local legislation or the employer.
2 ABOUT THE PRODUCT

2.1 GENERAL

Before using the product for the first time, read the instructions for use carefully. If you do not understand any point, please contact your distributor / dealer or manufacturer.

Do not operate the mower without proper understanding of the operating instructions.

This machine is intended for mowing grass under normal conditions. Any other use is contrary to the intended use of the machine. Strict compliance with conditions of use, maintenance and repair as prescribed by the manufacturer also forms an integral part of the intended use of the machine.

The manufacturer disclaims any liability for modifications, changes made to the product that are not carried out and approved by the manufacturer, non-compliance with the instructions for use, as well as the consequences of damage to property or the health of the operator or other people.

2.2 MANUFACTURER ADDRESS

MANUFACTURER'S NAME AND ADDRESS:
DVOŘÁK – svahové sekačky, s.r.o., Pohled 277, 582 21 Pohled, Czech Republic

2.3 PRODUCT CONFORMITY

Product Conformity

SPIDER XLINER was designed to comply with the laws and regulations in force at the time of its production for the market where it was first sold. In many countries, there are laws and regulations that require the owner to maintain the product within levels of compliance applicable to the product at its first place of the production. Even in the absence of defined requirements for SPIDER owners, we recommend that the product is used in conformity to ensure operator and exposed person safety and to ensure proper environmental safety requirements. The product should not be modified in any way that could affect or invalidate any of these requirements. For any inquiries please consult with the manufacturer or distributor / dealer.
## 2.4 DECLARATION OF CONFORMITY

- **EC/EU DECLARATION OF CONFORMITY (THE ORIGINAL)**

| Výrobce / Manufacturer: | DVOŘÁK – svahové sekačky s.r.o. |
| Adresa / Address: | č.p. 277, 582 21 Pohled, ČR |
| IČ / ID: | 26013797 |
| Name and address of the person authorised to compile the technical file (according to 2000/14/EC, NV No. 9/2002 Coll.): | |
| Výrobek (stroj) – typ / Product (Machine) – Type: | Sekačka SPIDER CROSS LINER Mower SPIDER CROSS LINER |
| Výrobní číslo / Serial number: | --- |
| Prohlášuji, že strojní zařízení splňuje všechna příslušná ustanovení uvedených směrnic (NV)/ We declare that the machinery fulfils all the relevant provisions of the mentioned Directives (Government Provisions): | Sekačka SPIDER CROSS LINER je dálkově řízená sekačka určená pro sečení a mulčování travnatých porostů na běžném i svažitém terénu. SPIDER CROSS LINER is a remote controlled mower designed for mowing and mulching grasslands on normal and sloping terrain. |
| Naměřená hladina akustického výkonu/Measured sound power level: | $L_{W,A} = 95,8$ dB |
| Garantovaná hladina akustického výkonu/ Guaranteed sound power level: | $L_{W,OA} = 98$ dB |

**Note:** All regulations were applied in wording of later amendments and modifications valid at the time of this declaration issue without any citation of them.

**Poznámka:** Veškeré předpisy byly použity ve znění jejich změn a doplňků platných v době vydání tohoto prohlášení bez jejich citování.
2.5 USE OF THE MOWER

The mower is designed to be used for mowing grasslands on flat and sloping terrain under normal conditions. The mower’s work normally involves mowing or mulching while driving forward, backward and turning. The mower is operated by one person via a remote radio controller.

Applications may include mowing and mulching grass on well-maintained but also unmaintained or only occasionally mowed areas. The mower is not intended for mowing trees, bushes or similar.

Only authorized, responsible, physically and mentally qualified persons over the age of 18 who have mastered the procedures for proper and safe use and maintenance of the lawn mower and are familiar with applicable regulations and safety and health regulations described in this manual, may use and repair the mower.

Before using the mower while driving it, it is necessary to assess its suitability for the intended use (mower size, performance, technical parameters, etc.). It is necessary to consider the potential hazard properly and to monitor it continuously during operation.

Maximal slope incline

**DRY WEATHER CONDITIONS:**
- Cutting across a slope: Maximum slope is 40°
- Cutting up and down a slope: Maximum slope is 40°
- Cutting up and down a slope with use of the integrated stabilizing winch: Maximum slope is 55°

**WET CONDITIONS:**
- All areas Maximum slope is 20°

![Figure 1 – Maximum slope](image-url)
PROHIBITED USE

- The mower must not be used for any purpose other than that for which it is intended.
- The mower must not be used on areas with glass particles, stones, iron or other unwanted objects that may be thrown by the rotating blade or which may damage the mower.
- The mower can be used on slopes exceeding 20 ° however, in wet, damp or fog conditions, where the slope availability and stability of the mower is adversely affected by adhesion to the substrate, regardless of the type of mowed area you must make use of the stabilizing winch.
- The mower must not be used if people, children or animals are within 15 meters of the machine / mowed area.
- Under no circumstances should the mower be used unless you have thoroughly familiarized yourself with the terrain, in particular the appearance of undesirable terrain irregularities, protrusions, stumps, unbearable spots, marshes, holes, etc.
- The mower must not be used on slopes with a higher slope than specified above.
- The mower must not be used as a towing or transport vehicle.
- It is strictly forbidden to drive the mower on public roads.
- It is strictly forbidden to increase the maximum engine speed or power beyond the manufacturer's specified limits, and to make any other modifications to the machine design or engine settings. The manufacturer bears no responsibility for damages and injuries resulting from such interventions and changes.
- It is strictly forbidden to use the machine after using alcohol or perceptive medication or drugs.
- It is strictly forbidden to drive the mower into piles of sand, gravel and similar materials, stumps, stones, building elements or other obstacles that may cause machine instability.
- It is strictly forbidden to use the machine in poor visibility (twilight, fog, heavy rain, etc.).

HAZARDOUS ZONE

A hazardous area is any area around the mower where the person is at risk from a health and safety perspective. Keep all persons away from the hazardous area while operating the mower. People in the danger zone could be injured.

Ensure that the machine operates safely before starting any maintenance procedure - i.e. stopping the mower and turning off all control and safety elements.

The machine operator is trained, responsible and is obliged to evaluate how dangerous the hazardous zone is. In the event of any risk of falling, overturning or similar situations due to the condition of the ground, climate, etc., the operator is obliged to secure or mark a dangerous zone (space strips, warning signs or another trained person who watches the designated area). However, the machine operator is always responsible for the safety around the machine.

The safety distance between the operator and machine is minimum 5 meters. If the situation requires less distance from the machine, especially when driving or loading on a transport trailer or driving the machine precisely, the operator is obliged to act with utmost caution and observe all safety regulations!

The safety distance of other persons is minimum 15 meters. No persons or operators must be in a danger zone!
MAIN COMPONENTS LOCATIONS

Figure 3 – Basic description

Figure 4 – Basic description
2.6 IDENTIFICATION OF COMPONENTS AND PRODUCT

MOWER

The mower serial number is marked on the label located on the mower.

ENGINE

Important engine information and serial number can be found on the rear of the engine block.

Figure 5 – Identification of the mower
2.7 SAFETY LABELS

Safety labels are strategically placed around the perimeter of the product to remind you of potential risks.

If you need reading glasses, you must wear them when reading safety labels. Do not overestimate your strength when reading safety labels. If you do not understand the danger shown on the safety label, refer back to: Safety Label Identification.

Keep all safety labels clean and readable. Replace any damaged or lost safety labels. Make sure that the spare parts also contain safety labels if necessary.

![WARNING]
Safety labels on the mower warn against a specific hazard. Failure to follow safety instructions may result in injury.

SAFETY LABEL IDENTIFICATION

Figure 6 - Safety labels
<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SXP-010</td>
<td>Height of cut label</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>SXP-012</td>
<td>Fuel label</td>
<td>1</td>
</tr>
<tr>
<td>3a</td>
<td>SXP-006</td>
<td>Safe operating distance</td>
<td>4</td>
</tr>
<tr>
<td>3b</td>
<td></td>
<td>Danger of being hit by flying objects</td>
<td></td>
</tr>
<tr>
<td>3c</td>
<td></td>
<td>No manipulation with moving parts until the whole system is stopped</td>
<td></td>
</tr>
<tr>
<td>3d</td>
<td></td>
<td>Warning, do not use your hands as protection when changing the cutting blade</td>
<td></td>
</tr>
<tr>
<td>3e</td>
<td></td>
<td>Attention, danger of being injured by rotating blade</td>
<td></td>
</tr>
<tr>
<td>3f</td>
<td></td>
<td>Attention, do not open or detach the covers while the mower is in use</td>
<td></td>
</tr>
<tr>
<td>3g</td>
<td></td>
<td>Attention, flammable substance, danger of fire</td>
<td></td>
</tr>
<tr>
<td>4a</td>
<td>SXP-005</td>
<td>Danger zone</td>
<td>1</td>
</tr>
<tr>
<td>4b</td>
<td></td>
<td>Climbing ability</td>
<td></td>
</tr>
<tr>
<td>5a</td>
<td>SXP-004</td>
<td>Read the manual prior to usage</td>
<td></td>
</tr>
<tr>
<td>5b</td>
<td></td>
<td>When performing maintenance, repair or any intervention on the machine, follow the instructions for use, remove the ignition key</td>
<td></td>
</tr>
<tr>
<td>5c</td>
<td></td>
<td>Wear protective equipment; eye protection</td>
<td></td>
</tr>
<tr>
<td>5d</td>
<td></td>
<td>Keep a safe distance</td>
<td></td>
</tr>
<tr>
<td>5e</td>
<td></td>
<td>Risk of dragging fingers and hand palm into the machine</td>
<td></td>
</tr>
<tr>
<td>5f</td>
<td></td>
<td>Risk of injury from high pressure liquid</td>
<td></td>
</tr>
<tr>
<td>5g</td>
<td></td>
<td>Close all guards before starting up</td>
<td></td>
</tr>
<tr>
<td>5h</td>
<td></td>
<td>Transport of persons on the machine is prohibited</td>
<td></td>
</tr>
<tr>
<td>5i</td>
<td></td>
<td>Hazard warning of flying objects</td>
<td></td>
</tr>
<tr>
<td>5j</td>
<td></td>
<td>Caution electric accumulator</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>6a</td>
<td>Correct winding direction of the rope</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6b</td>
<td>SXP-001</td>
<td>Wrong direction for rope winding</td>
<td></td>
</tr>
<tr>
<td>6c</td>
<td></td>
<td>When winding / unwinding, keep the rope tightened</td>
<td></td>
</tr>
<tr>
<td>7a</td>
<td>Read the manual before handling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7b</td>
<td>SXP-002</td>
<td>Risk of dragging fingers and hand palm into the machine</td>
<td></td>
</tr>
<tr>
<td>7c</td>
<td></td>
<td>Warning: Do not open, do not remove cover when machine is running</td>
<td></td>
</tr>
<tr>
<td>7d</td>
<td></td>
<td>Switching the machine on / off</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>SXP-003</td>
<td>Turning the winch on / off by turning the lever</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

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2.8 REMOTE RADIO CONTROLLER

CENTRAL STOP
Two red colored CENTRAL STOP buttons are used to switch the mower off.
One is located on the mower (1), the other on the remote control (RC) (2).

![Remote controller](image)

Both buttons have the same function. CENTRAL STOP is a two-position switch. Switching on is done using the key. Pressing the button down will turn off all devices.

![Position C: ON](image)

![Position D: OFF](image)

The switch also serves for emergency stop of the mower. Use the button on the remote control for emergency stop of the engine. Use the button on the mower only if the mower is stable and level and you cannot be at risk at the same time.

See also: STOPPING AND PARKING > EMERGENCY STOP

REMOTE CONTROLLER

![Remote controller](image)

Figure 7 – Remote controller

A – forward drive
B – reverse drive
C – steering right
D – steering left
BATTERY
The controller’s battery is shown in the figure.
Remove the battery from the controller to recharge it.

LIGHT SIGNALS
The remote radio has two LEDs near the STOP button.

<table>
<thead>
<tr>
<th>LED GREEN</th>
<th>LED RED</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>Controller is OFF</td>
</tr>
<tr>
<td>Flashing intensively</td>
<td>OFF</td>
<td>Controller and receiver are not connected.</td>
</tr>
<tr>
<td>Repeats sequentially: flashing + pause</td>
<td>OFF</td>
<td>Controller is ON and units are communicating on the frequency 863-870MHz.</td>
</tr>
<tr>
<td>Repeats sequentially: 2 flashes + pause</td>
<td>OFF</td>
<td>Controller is ON and units are communicating on the frequency 915-928MHz.</td>
</tr>
</tbody>
</table>

LED faults are described in the maintenance chapter See also: REMOTE CONTROL TROUBLESHOOTING
3  OPERATION

The aim of this handbook is to guide the operator get familiarized, step by step with the use of the mower so that it can work efficiently and safely. Read the OPERATION chapter from start to finish.

The operator must always have an overview of events taking place in or around the mower. Work safety is the most important factor when working with the mower.

Before using the mower, first verify your ability to operate the mower on a sufficiently free and spacious area. Learn to perfectly control the movement around the area, around bushes, trees and other terrain elements and obstacles.

The user / operator is the person responsible for the safety of persons located in or entering the working area of the mower. When any person enters the work area, interrupt the work. The user / operator is responsible for any damage caused to third parties when operating the mower.

The mower may be used to work on slopes that are inclined as described in the ABOUT THE PRODUCT > USE OF THE MOWER when the ground is dry. If the ground is wet or damp, the slope on which the mower is moving should not exceed 20°.

Before operating the mower for the first time, each owner is obliged to ensure the general training and practical skills training of his / her staff - the operators in the control of the mower. General training and practical skills training will be carried out by the sales representative - the product specialist of the mower supplier when put into operation.

Remember:
• Be careful.
• Be alert.
• Work safely.

3.1  WORK SAFETY

Before using the mower, the operator is required to undergo practical training in operating the mower. Read this instruction manual carefully, become familiar with the safety instructions and basic maintenance of the mower.

Always practice your mower skills until you are familiar with the controls and mower’s behavior. A well-prepared operator can work safely and efficiently with the mower. Behavior of unprepared and inexperienced operators can be dangerous. Do not threaten yourself or the lives of other people with irresponsible behavior.

Fuel
Fuel is flammable, so protect the fuel system from open flames. If you suspect a fuel leak, stop the engine immediately. Do not smoke when refueling or working on the fuel system. Do not refuel while engine is running. Wipe any spilled fuel as it may cause a fire. Failure to observe these precautions may result in fire or injury.

WARNING
Do not operate the mower there is less than 20% fuel in the tank.

Mower condition
A damaged mower can cause injury to you or others. Do not operate the mower that has damaged or missing parts. Ensure that the maintenance procedures outlined in this manual are performed before using the mower.

WARNING
Do not step in or reach under the mower if it is raised and not properly supported. Before starting work, test the safety shut-off features on the mower.

Mower performance limits
Exceeding the suggested limits may damage the mower and cause injury during operation. Do not exceed the specified limits when working with the mower. Do not attempt to improve performance of the mower with unapproved modifications.

Engine / steering failure
If there is a fault in the engine or steering, stop the mower as quickly as possible. Do not operate the mower until the fault has been corrected.
Exhaust gases
Exhaust gases from the mower can hurt or cause death to you or others when inhaled. Do not operate the mower in a closed space without ensuring that it is well ventilated. If you start feeling drowsy, stop the mower immediately.

Workplace
Workplaces can be dangerous. Before starting work, your work area will need to be properly examined. You could be seriously hurt or even killed if the soil had slipped under the mower. Find out if there are any potholes, hidden debris, wood, tree stumps, stones, wires, glass or other similar objects. Any of the above may cause loss of control over the mower or could be propelled when using the mower or even damage the mower.
See also: USE OF THE MOWER > HAZARDOUS ZONE

Keep a safe distance when operating the mower!

The surface on embankments and in ditches can cause the machine to slip. Do not work in proximity of embankments and ditches where there is a risk of slipping and do not drive on them. Look out for power lines while working. Especially when driving underneath them may cause radio interference. In such cases, the mower shuts off the engine immediately and stops all movements. If you are using the mower on busy roads, make sure that the mower does not endanger those who pass by or their property, by potentially throwing unwanted objects. Choose an appropriate working distance.

Parking
An incorrectly parked mower may spontaneously move in the absence of a driver. Follow the instructions in the operating instructions for properly parking the mower.

Sparks
Sparks from the exhaust or electrical system can cause an explosion or fire. Do not use the mower in confined spaces containing combustible materials, vapors or dust.

Dangerous environments
This mower is designed to work under normal outdoor atmospheric conditions. It must not be used in confined spaces without adequate ventilation. Do not use the mower in potentially explosive atmospheres, ie with explosive vapors, gases or dust, without consulting with your Spider distributor / dealer.

Regulations
Comply with all laws and local labor requirements applicable to you and the mower.

Mower Safety
Stop work immediately if a malfunction occurs. Abnormal noises and odors can be signs of a problem. Check for any issues and repair before resuming work.

Hot parts
Contact with hot surfaces can cause skin burns. The engine and mower components will be hot after operating. Allow the engine and components to cool before servicing. Do not expose / park the mower near open flames or sources that emit heat. Allow the mower engine and hydraulic drive to cool down properly before placing it in a confined space.

Driving at high speeds
Driving at high speeds can lead to accidents. Do not move the joystick as far as possible. Always drive at a safe speed that suits your working conditions.

Slopes
Operating on slopes can be dangerous if appropriate measures are not taken. Soil conditions can change by rain, erosion, etc. Carefully inspect the work area. Never enter the area under the mower or above the mower if you are working on a slope. Before working on a slope, ensure that no one is moving under the mower or under the area where you drive. Do not endanger other people by driving the mower above them.
Visibility
Do not operate the mower with poor visibility. When using the mower remotely or transporting the mower, the operator must always be in the field of vision. The maximum safe operating distance from the mower is 50 m. Never leave the mower unattended when the engine is running. Always operate the mower from a working position that gives you a perfect view of the entire work area and the mower and is not dangerous for you. When working remotely, change the work area as needed to always have a perfect view of the mower. Do not operate the mower if you do not see it (behind terrain obstacles, around the corner of the building, etc.).

Hands and legs
When using the mower, keep hands and feet away from moving parts. Keep a safe distance when operating the mower.

Control
Attach the controller around the waist when operating the mower. Correct position of the controller will prevent unwanted movement of the levers on the controller. If the mower engine is running, do not put the controller down and do not move or touch any parts of the mower. Even when leaving the mower for a short time, always switch off the engine and press the red STOP button on the mower control panel and then remove the key to prevent it from starting. Do not leave the controller with the mower, but in a properly secured place that is unavailable to unauthorized persons.

Co-drivers
It is forbidden to transport persons, animals or loads on the mower. They can cause accidents and damage to the covers, including overloading the mower.

Fire
Regularly remove flammable substances (dry grass, leaves) from the exhaust, engine and battery compartment. Do not extinguish any engine fire with water, as this may cause burning oil to spread or electric shock. Use carbon dioxide, dry ice or foam fire extinguishers. Contact the nearest fire station as soon as possible. Firefighters must use closed-circuit breathing apparatus.

Rollover protection
The mower is structurally and technically prepared for work on slopes. Keep a safe distance away from the mower and also keep in mind the maximum slope accessibility. Make sure that no people are standing under or above the mower when working on slopes.

Risk assessment
It is the duty of the persons in charge to plan work and to operate the lawn mower safely by considering specific working conditions and the use of the mower at a particular moment. It is important to assess all potential risks. After assessing any occupational hazards, the operator must comply with all safety requirements. If you are uncertain about the use of the mower on a particular job, please contact your local SPIDER distributor / dealer who will be happy to provide you with the necessary information. Below is an example of some aspects that need to be taken into account in the risk assessment. Other risks that are not listed may also need to be considered. Proper risk assessment depends on operator training and experience. Do not endanger your life or the lives of others.

Workers
• Are all those involved in the operation sufficiently trained, experienced and competent?
• Are they fit and relaxed? A sick or tired operator is a dangerous operator.
• Is there a need for helpers or observers to work in addition to the mower operator?

Mower
• Is the mower in good working order?
• Have any reported faults been corrected?
• Have all prescribed daily checks been performed?
• All tires have constant pressure, are in good condition and there is enough fuel in the tank to complete the job.
Workspace
- Does the ground have enough bearing capacity?
- How rough is the terrain? Are there sharp projections on the ground that could damage the mower and especially its tires?
- Are there obstacles in the area, such as potholes, hidden debris, wood, tree stumps, stones, wires, glass and other similar objects?
- Is there enough space to maneuver the mower safely?
- Is there a likelihood that other persons or mowers will enter the work area when the mower is operating?
- Does the climbing ability of the mower match the working environment?

Mower driving path
- What is the strength of the ground and will the ground provide the mower with enough strength-load capacity for wheel engagement and braking?
- How steep are all the slopes when driving up / down / across? Driving across the slope is particularly dangerous, are you as the operator endangering yourself or other people in the surroundings?

Weather
- What is the ground condition where the mower is driving?
- Is it raining or will it rain? The same terrain, which is dry and smooth when dry, can be uneven and slippery in rain so it does not provide the same conditions for wheel engagement, braking and steering.

3.2 MOWER CHECK UP

The following checks must be carried out after each prolonged break with the mower. They are also recommended for longer continuous work with the mower, i.e. to stop the mower from time to time and carry out the check.

Control operations concern the readiness of the mower to operate and ensure the safety while working with it. If defects or malfunctions occur during the inspection, they must be repaired and corrected.

1. CLEANLINESS OF THE MOWER
   - Remove dirt and debris, especially near the joints, pins and near the exhaust.
   - Clean all safety labels with instructions. Replace any missing or unreadable labels.
   - Perform a thorough inspection to identify any defects or deficiencies.

2. OPERATING FLUIDS
   - Check the engine and hydraulic oil levels
   - Check the fuel level (if less than 20% of the tank is in the tank, refuel immediately)
   - Check for leaks underneath the mower
   - Ensure that all filler caps are properly installed and closed

3. TIRES
   - Check the tire pressures and their overall conditions

WARNING
In the event of a mower tire explosion, death or injury could result. Do not operate the mower with damaged, improperly installed, improperly inflated or heavily worn tires.
### 3.3 BEFORE STARTING THE ENGINE

**WARNING**
Before starting the engine, a check-up of the mower must always be performed. This is important both in terms of safety (yours and others) as well as to ensure maximum durability of the mower.

1) Turn the controller on with the controller main switch into position 1

2) Activate the CENTRAL STOP on controller (by turning the CENTRAL STOP clockwise)

3) Unlock the CENTRAL STOP on the mower to the ON (clockwise) position

4) Press the activation switch on the controller.

5) Hold the switch to the start position and hold it in this position until the engine starts.

6) After starting the engine, set the engine speed from minimum to maximum

If the engine does not start, the mower functions are blocked. In this case, you must press the CENTRAL STOP on controller and repeat the starting procedure from the first point.

If any of the warning lights stop signaling while the engine is running or does not shut down properly, stop the engine as soon as it is safe.

The mower is equipped with an automatic choke for cold starts. After starting the engine, leave the mower in position for about 2 minutes without the mowing mechanism switched on.
3.4 STOPPING AND PARKING

**WARNING**
An incorrectly parked mower may spontaneously move in the absence of the operator. Follow the instructions in the operating instructions for proper parking methods.

Stop the mower on dry and level ground, where the mower will not pose a risk and / or danger.

1) Reduce the pressure on the travel joystick gradually so that the mower stops smoothly - the joystick will be in the neutral position.

2) Reduce engine speed

3) Switch the cutting deck switch to "OFF BLADE"

4) Hold the switch to the engine OFF position

5) Press the CENTRAL STOP on the controller and then on the mower.

6) The controller main switch must be switched off at the end of the work cycle or when leaving the mower unattended.

If you must stop the mower on a slope and take any action, interrupt work or switch off the engine, etc., **turn the wheels perpendicularly to the slope**. This will prevent the mower from moving down the slope.

**ENGINE EMERGENCY STOP**
There are two buttons of the red color - CENTRAL STOP placed on the controller and on the mower. Both buttons have the same function.
For emergency shutdown use the button on the controller. Use the CENTRAL STOP on the mower only when the mower is stable and on a level ground or you are in the immediate vicinity of the mower making sure it does not pose any risk to you or others.
**WARNING**

The CENTRAL STOP buttons on the controller and on the mower should be used whenever an emergency stop is required.

See also: REMOTE RADIO CONTROLLER > CENTRAL STOP

### 3.5 MOWER SAFETY ELEMENTS

When driving, always keep the mower under control. It is necessary to pay attention to any obstacles and always watch out for potentially dangerous situations.

Description of mower controls can be found on chapter: 2.8. REMOTE RADIO CONTROLLER

Drive the mower slowly so that you can react to the direction the mower will move into.

When descending a slope, a suitable speed should be selected beforehand. Select a speed taking any risks into account.

**WARNING**

Beware when moving the forward / reverse drive joystick while driving as it can cause injury to you and others. The mower can change direction suddenly and without warning. The lever must be handled exactly as instructed.

**WARNING**

It is forbidden to drive the mower (without doing any work) with the mowing mechanism switched on.

### SPEED SELECTION

Always choose a suitable driving speed that will allow for a satisfactory mowing quality. When selecting a speed, always go from lower to higher speeds, not vice versa.

There are two methods to select speed:

- **Swiveling the joystick**
  - The mower is stationary in the neutral position
  - The greater the deflection, the higher the mower speed

- **Changing the turtle / rabbit switch**
  - Shifting the lever to rabbit mode increases the speed / in turtle mode speed is decreased by half
  - This function is effective when the travel joystick is depressed.
  - Change the speed mode (rabbit/turtle) only when the machine is stationary!

**WARNING**

Never reduce speed by reducing engine speed! The speed always changes only by pressing the drive joystick.
SPIDER MODE

The mower is equipped with a unique SPIDER mode control system (also known as the “dance step”), thanks to which all 4 wheels turn at full 360 °, so there is no need to rotate the machine if you need to change direction.

SKID-STEERING

Skid-steering is used to rotate the machine around its vertical axis. You will appreciate it especially when cutting around various obstacles and when approaching a transport trailer or vehicle.

To skid the mower:
1) Stop the mower on a flat surface and turn the wheels straight in the direction of the winch
2) Hold the skid turn switch so that the wheel pair on the right side rotates in 180 °
3) At the same time move the joystick forward (or backward) to rotate the mower around its vertical axis to the desired position

WARNING
Always skid-steer on a level, firm and horizontal surface. Skid-steering can cause unwanted terrain erosion.

WARNING
Skid-steering serves only for minor corrections to the mower's direction. Gears and tire tread suffer when skid-steering too often.

DRIVING ON SLOPES

Driving on slopes creates several demands on the operator. You must constantly evaluate the information regarding the mower's movement on slope and the terrain conditions. It is especially important to evaluate the grip of the wheels on the grass or other ground and the angle of inclination of the mower. Pay attention to climatic conditions.

The performance of the mower will vary considerably on a dry, damp or wet slope substrate!

ESSENTIAL RULES FOR DRIVING ON A SLOPE

- When working on a slope, start from the bottom and work your way to the top. Only select a top-to-bottom mowing procedure in exceptional circumstances and only on well-known terrain.
- Always start on a lower slope angle. This will allow you to better evaluate slope conditions and choose the correct work approach. If you work on a slope with a steeper angle, the mower may slide due to unfavorable adhesion conditions. Due to the dynamic effects, the mower can also overturn.
- If the mower starts slipping, do not attempt to stop or access the mower, especially not below or directly above it.
- Do not touch or approach the mower if the wheels have been raised off the ground or the mower is tilted excessively or is in an unstable position or is already overturning.

AVOID:
- Sudden changes with steering or braking
- Steep inclines, braking on a slope or sudden change of direction
- High speed driving
- Uneven substrate or ground
- Variable adhesion (shifting from sunny to shady places, etc.)
- Travel along the cut material
- Stop on the slope and stop the engine

WARNING
If the slope surface is wet or damp, the maximum slope inclination permitted to work on is 20°.
3.6 **CUTTING BLADE ON/OFF**

To switch on the cutting deck, set the blade on / off switch to ON.
To turn off the cutting deck, set the blade on / off switch to OFF.

![MOWING BLADE ON / OFF SWITCH]

**WARNING**

Keep the blade switched on when you are mowing. Always switch off the blade when moving between mowed areas.

3.7 **MOWING HEIGHT ADJUSTMENT**

The machine has 4 cutting height adjustment positions. The mowing height can be set as standard in the range between 40 - 110 mm.

To set the cutting height:

1) Stop the mower on a horizontal surface and turn off the mowing deck
2) Hold the lift handle in the locked position (See also: [USE OF THE MOWER > MAIN COMPONENTS LOCATIONS](#))
3) Turn the handle according to the pictogram and set the desired cutting height
4) Release the handle to secure the desired height

**WARNING**

The mowing platform system is supported by strong springs that reduce the force required to change the mowing height. The cutting height can only be changed when the mower is firmly standing on all wheels. When the cutting height lever is unlocked at another position of the mower, the lever may be ejected upwards.

For high or wet grass, select a higher mowing position.
The lowest position is used when mowing flat and well-kept areas.
3.8 HYDRAULIC STABILIZING WINCH

The mower is equipped with an integrated stabilizing hydraulic winch (hereinafter referred to as “winch”), which is designed as a stabilizing device and improves the mower stability on slope. It also prevents the mower from sliding downhill and reduces soil erosion.

There must not be any obstacles that could jam or damage the rope – such as trees, bushes, etc. – in the operating area between rope and mower.

IT IS FORBIDDEN TO USE THE WINCH

- If any parts of this equipment are damaged or show considerable wear, e.g.: rope, carabiner, etc.
- For purposes other than stabilizing the SPIDER XLINER.
- For removing objects, securing people or objects on a slope.
- On slopes where there are terrain obstacles and there is a possibility of damaging the rope or getting caught on a slope.
- In places where the anchoring point is not strong enough and can be loosened after anchoring and working with the mower.

SAFETY INSTRUCTIONS

- Always keep the winch and its accessories clean and in good condition. After finishing work, clean it by sweeping and wiping. Do not use gasoline or similar petroleum products for cleaning.
- Do not pull / anchor the winch rope over roads, sidewalks, and people's spaces.
- When working with the winch, select the working position so that you do not move under or directly above the machine and do not cross the rope path. There is a risk of injury when the machine slips or the operator may slip and fall under the mower.
- Use the winch only for stabilization with the engine speed set to maximum.
- Do not reach into the winding drum with any part of your body in order to straighten the rope. The rope is wound up along its current position on the winding drum.
- The carabiner must not strike or be subjected to additional external forces (pull only).
- Follow the procedure for attaching the winch rope to an anchoring point.
- The carabiner must always be properly closed (locked) with a locking segment - the carabine can only work safely with the lock properly tightened.
- Check the mowing area carefully. Orient yourself, assess the situation and test the possibilities of the terrain. Do not take chances. It is necessary to inspect the terrain thoroughly before starting work.
- Work on a slope from the bottom towards the top. You will work, generally, from a lower to a higher incline, which will give you a better chance to evaluate the climbing ability and make the right decisions concerning further work. Be aware of the dynamic effects of the mower while mowing, which can cause considerable strain on the winch rope and anchoring points.
- If the mower slips, do not try to stop it and do not approach the mower, especially in the area under or above the mower.
- Always stand aside while operating, never directly above or below the mower.
- Before working on a slope, ensure that no one is moving beneath the mower or in the general mowing area. Do not endanger third parties or property with the machine.
- Choose your operator's position outside the area where the mower can slide / fall or the mowed grass is ejected. The direction of the ejected grass may change with respect to the direction of travel during machine operation.

SAFETY LABELS

The safety labels are placed on the area above the winch. You will find their description and meaning in the ABOUT THE PRODUCT > SAFETY LABELS link. Safety labels warn the operator of the risks with the machine. Respecting their importance implies safe use of the product.
WHILE WORKING WITH THE MOWER YOU SHOULD AVOID:

- sudden sharp steering or braking
- driving too fast
- unstable soil
- driving on uneven surfaces
- changing wheel adhesion (driving from areas exposed to sun to shade etc.)
- driving on the grass that has already been cut

MAIN COMPONENTS

![Image of main components of the hydraulic winch]

Figure 8 – main components of the hydraulic winch

WINCH CONTROL

POWER ON
To switch the winch on, set the valve lever to position 1 to activate the hydraulic oil inlet to the winch hydraulic motor.

POWER OFF
To turn the winch off, move the valve lever to position 0, further rotation of the winch drum is stopped.

WARNING
Only approach the mower if the cutting blade is switched off and the engine speed is set to the minimum.
**WORKING WITH THE WINCH**

The winch is a device, which extends and improves the mower application possibilities. Please keep in mind, it does not allow the operator to use the mower on all slope inclines.

**ANCHORING**

For best use of the winch and optimum tension force on the rope, it is necessary to choose a fixed point to which you can anchor the end of the rope with the carabiner. Attach the rope end (carabiner) to the anchoring element at a height of approx. 30 cm. Never anchor the rope directly to the ground.

**WARNING**

Choose a sufficiently firm anchoring point, which can carry the continuous load caused by the mower as well as possible dynamic effects such as a sudden slip or fall of the mower.

**WINCH ANCHORING PROCEDURE**

1) Transport the mower to the chosen area and place it on a level ground under the slope you intend to mow, directly below the anchoring point.
2) Turn the mower wheels perpendicular / across to the slope.
3) Make sure the mowing blade is switched off and set the engine speed to minimum.
4) Set the valve lever to position 1 (ON).
5) Slightly deflect the driving joystick on the remote controller in the direction in which the rope starts to unwind from the drum. From the factory, the winch is pre-set to unwind when the driving joystick is deflected in the BACKWARD direction (towards the operator). In case the rope winds up instead of unwinding, deflect the joystick in the opposite direction.

When the drive joystick is only slightly deflected, the mower itself will not move and only the winch will be driven. This allows you to wind or unwind the rope.

6) Mount the rope around the fixed anchoring point, release the screw lock on the carabine, lock the carabine to the rope and secure it properly by fastening the screw lock.
7) Deflect the drive joystick in order to wind in the loose rest of the rope. The rope on the winch drum should be slightly tight.
8) Increase the engine speed from idling to operating revolutions.
9) Turn the wheels of the mower up the slope (FORWARD) and slightly deflect the driving joystick on the remote controller forward i.e. in the direction when the mower starts driving up the slope. If the rotation of the wheels of the mower and the direction of the rope winding correspond (i.e. the rope is winding up when the mower is driving up the slope) you can start mowing. In case the winch rope is unwinding when the mower is driving up the slope it is necessary to stop driving and turn the wheels by 180 degrees. Then you can start mowing up the slope.
10) Make sure and constantly check that the rope is properly winded on the drum of the winch and that it is not lose or tangled. In this case it is prohibited to use the mower on slopes.

**SELECT THE ANCHORING POINT SO THAT:**

- there are no objects, trees, bushes, etc. in the area of the mower and rope movement that could be affected or damaged by the rope or damage the rope
- the surface of the anchoring point is smooth without sharp edges and the rope with the carabiner stays in the set position for the whole duration of the operation.
- the anchor point was sufficiently strong See also: 6 TECHNICAL DATA

**WARNING**

The operator is responsible for selecting a suitable anchoring point.
MOWING WITH THE USE OF WINCH

WARNING
Driving on slopes is very demanding for an operator, as he has to constantly evaluate information on the movement of the machine and the character of the terrain. Especially important is the wheel adhesion to the grass or other surface and the angle of the mower.

Pay attention to climatic conditions. Do not rely on securing the mower to the rope. The climbing ability of the mower will be radically different on dry, wet or moist grass slopes. Climbing ability and the mower’s behavior will also depend on the ground’s conditions. On a newly built slope, the probability of slipping will be significantly higher than on a hard ground.

TWO METHODS TO MOVE THE MACHINE ON THE SLOPE

When working on a slope using a winch, use only the following two methods to move the machine:

![Diagram showing two methods of mowing on the slope with use of the winch]

1) ALONG THE CONTOUR LINE
2) MOVING UP AND DOWN

Figure 9 – methods of mowing on the slope with use of the winch

WARNING
When working with the stabilizing winch across the slope or when traveling up the slope, the mower must always run in accordance with the winch function to maintain the winch stabilizing ability – when traveling up or across the slope the winch drum is winding up the rope. Otherwise, the rope will loose on the drum and the winch will stop maintaining the STABILIZATION function.

Unwinding the rope from the winch is only permitted when driving down the slope. Do not drive the mower into bushes or similar obstacles (even when driving off a slope) that you would like to mow because the mower may stop or pause and the rope will become loose and tangled. The rope must always be tightened.

In case the wheels lose contact with the ground, the winch will not able to stabilize the mower.
EMERGENCY SITUATIONS WHEN WORKING ON THE STABILIZING WINCH

<table>
<thead>
<tr>
<th>EMERGENCY SITUATION</th>
<th>RECOMMENDED SOLUTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A rope or anchor is suddenly released</td>
<td>Turn the wheels immediately so that they are perpendicular to the slope (across to the slope), stop the movements. Find a new anchor point. Press the STOP button on the remote control.</td>
</tr>
<tr>
<td>Rope breaks</td>
<td>Turn the wheels immediately so that they are perpendicular to the slope, stop the movements. Press the STOP button on the remote control. Use the new rope. Adding any extensions to the rope is prohibited.</td>
</tr>
<tr>
<td>Bursting the carabiner</td>
<td>Turn the wheels immediately so that they are perpendicular to the slope, stop any movements. Press the STOP button on the remote control. Replace defective parts.</td>
</tr>
<tr>
<td>Speed reduction, the mower starts to move uncontrollably and spontaneously</td>
<td>Immediately increase the engine speed to max., Turn the wheels perpendicular to the slope, stop the movements. Press the STOP button on the remote control.</td>
</tr>
<tr>
<td>Hydraulic hose breaks</td>
<td>Turn the wheels immediately so that they are perpendicular to the slope (across to the slope), stop the movements. Press the STOP button on the remote control.</td>
</tr>
<tr>
<td>Unwinding the entire rope length from the winding drum and winding in the opposite direction on the drum</td>
<td>Turn the wheels in 180° and continue working or unwind the rest of the rope, let the winch drum rotate and wind the rope back in the right direction. Continue working.</td>
</tr>
<tr>
<td>Malfunction of the winding drum drive sprocket mechanism.</td>
<td>Immediately turn the running wheels perpendicular to the slope, stop the movements. Press the STOP button on the remote control. Repair the sprocket mechanism.</td>
</tr>
<tr>
<td>Engine stops</td>
<td>Turn the wheels perpendicular to the slope, press the STOP button on the remote control.</td>
</tr>
<tr>
<td>Roll over the machine</td>
<td>Press the STOP button on the remote control immediately.</td>
</tr>
<tr>
<td>Loss of wheel contact with ground</td>
<td>Press the STOP button on the remote control immediately.</td>
</tr>
<tr>
<td>Lack of fuel in the fuel tank</td>
<td>Turn the wheels immediately so that they are perpendicular to the slope (across to the slope), stop the movements. Press the STOP button on the remote control and refuel.</td>
</tr>
</tbody>
</table>

### 3.9 MOWER TRANSPORTATION

The mower is transported on a trailer or other suitable means of transport.

**WARNING**

Driving on public roads is prohibited.

Before proceeding with the transport of the mower, make sure that you do not violate local laws or regulations on all areas you will be travelling through.

**ATTENTION**

Before loading the mower on the trailer, make sure that there is no oil, grease or ice on the trailer or ramps. Remove any oil, grease or ice from the mower tires. Make sure the mower is not loaded on the ramp / trailer at an inappropriate angle.

Check the condition of the transport vehicle before loading the mower onto the trailer.

When loading or unloading from a trailer, make sure that the edge - formed by the trailer floor and the ramps - is not an obstacle for the mower with its accessories. Otherwise, you must use longer ramps to decrease the angle.
Make sure that the ramps have enough load capacity. The load capacity must correspond with the weight of the mower listed on the production plate.

Do not allow any person to stand on or close to the ramps when loading.

Make sure that the transport vehicle is suitable for the size and weight of the mower. See also: TECHNICAL DATA.

**TRANSPORT ANCHORING POINTS**

The mower must be properly secured for a safe transport. Use the points marked with the chain symbol to secure the mower.

For fastening, thread the securing strap around the engine girder and hook the strap to the anchoring loop (see Figure 10). Fasten both sides of the mower.

![Figure 10 – transport anchoring points](image)

**ATTENTION**

Take extra care around the exhaust pipe before passing the clamping strap. If the engine is still warm, it may cause burns to limbs or strap!

### 3.10 OPERATING CONDITIONS

Observe the following precautions. It will make it easier for you to start operating and prevent possible damage to the mower.

The mower is designed to operate under atmospheric temperatures **between -20° C and 46° C**.

**BASIC MEASURES**

- Use lubricating oils with the correct viscosity. See also: LIQUIDS, LUBRICANTS AND FILLING VOLUMES
- Use hydraulic fluid with the correct viscosity. See also: LIQUIDS, LUBRICANTS AND FILLING VOLUMES
- Keep the battery fully charged.
- Always fill the fuel tank at the end of the work shift. This will prevent condensation on the tank walls.
- Protect the mower while it is out of service. Park the mower inside of a building or cover it with a tarpaulin. Ensure the engine is cold when covering.
- Check the air vents. Make sure that the air vents leading to and from the engine compartment are not blocked.
OPERATION IN DUSTY OR SANDY AREAS

- Check the air filter regularly, clean or replace the relevant parts as needed, regardless of the inspection interval.
- Tighten the hydraulic tank filler cap tightly to prevent sand and dust from entering the hydraulic system. See MOWER MAINTENANCE PLAN
- Check for dirt accumulation in the engine and exhaust compartment.

OPERATION ON WET OR SOFT TERRAINS

- Clean the mower. Moisture or dirt can damage paint, electric and hydraulic lines or metal parts. When operating the mower, keep it as dry as possible and lubricate the mower regularly.
- Check for dirt accumulation in the engine and exhaust compartment.

3.11 RERUELING THE MACHINE

ATTENTION
Spilled fuel can cause an accident. Clean all spilled fuel immediately. Do not use fuel to clean the mower. Choose a well-ventilated area to refuel.

WARNING
Fuel is flammable, so protect the fuel system from open flames. If you suspect a fuel leak, stop the engine immediately. Do not smoke when refueling or working on the fuel system.

WARNING
Do not refuel while the engine is running. Failure to observe these precautions may result in a fire or injury.

WARNING
Turn off your mobile phone before entering a potentially explosive environment. Sparks in such areas could cause an explosion or fire resulting in serious injury or even death.

NOTE: No liability will be assumed in the event of equipment failure caused by the quality and type of fuel used. See also: LIQUIDS, LUBRICANTS AND FILLING VOLUMES. If you use the wrong type of fuel or fuel that is dirty, the fuel system may get damaged.

Always fill the fuel tank at the end of the work shift. This will prevent condensation on the tank walls.

FILLING THE FUEL TANK

1) Secure and turn off the mower engine by pressing the CENTRAL STOP.
2) Remove any unwanted material from around the fuel cap.
3) Remove the fuel cap.
4) Add fuel with the filler neck as required.
5) Install the fuel cap. Make sure it is properly tightened.
4 STORAGE

4.1 CLEANING

WARNING
When using cleaning liquids, solvents or other chemicals, you must follow the manufacturer's instructions and precautions.

WARNING
Wear protective gloves when handling hot parts to prevent burns. To protect your eyes, wear eyeglasses when cleaning parts with a wire brush.

NOTE: Cleaning metal parts with incorrect solutions may cause corrosion. Use only recommended cleaners and solvents.

NOTE: Never use water or steam to clean the area around electrical components. The use of water or steam could damage the control unit and the mower could be inoperable. Remove dirt with a brush or cloth.

Do not allow mud, dirt, etc. to accumulate on the mower.

When removing parts, pay attention to dirt and foreign objects. Cover all openings and remove sediments before proceeding.

See also individual cleaning procedures in the Maintenance section. See also: MOWER MAINTENANCE PLAN

Always observe the local waste disposal regulations before cleaning the product.

4.2 STORAGE

If you are not going to use the mower for a long time, you must store it properly. If you prepare the mower carefully and take care of it continuously, you can prevent deterioration and damage to the mower during storage.

PREPARING THE MOWER FOR STORAGE

1) Clean the mower and remove any unwanted material or corrosive products.
2) Dry the mower to remove solvents and moisture.
3) Apply grease to the moving parts.
4) Check that there are no worn or damaged parts on the mower. Replace if necessary. Pay attention to belt distributions
5) Check the levels of all liquids. Top off if necessary.

STORAGE

1) Park the mower on a firm, level surface. Park where the mower is easily accessible.
2) Make sure all caps are closed.
3) Remove the key from the CENTRAL STOP button.
4) Remove the battery from both the mower and the RC.
   • Keep the battery dry and warm.
   • Charge the battery periodically.
5) If you are keeping the mower in the open area, cover it with a tarpaulin.
SEASON PREPARATION

1) Check all fluid levels. If necessary, top off to the recommended level.
2) Clean the mower and remove any unwanted material and corrosive products. Dry the mower to remove solvents and moisture.
3) Install fully charged batteries.
4) Check the condition of the belts.
5) Start the engine.
6) Test the controller for proper operation.
5 MAINTENANCE

The Spider XLINER has been designed to work safely in harsh environments, efficiently and economically. Before leaving the production line, the mower has passed a final inspection. To maintain the best possible condition, service repairs must be carried out by a DVOŘÁK – svahové sekačky service specialist. It is necessary to use original parts as well as to adhere to the prescribed service terms in this manual.

This manual describes the service operations required to maintain your Spider XLINER. It is evident from the mower maintenance chart that some service operations can only be performed by a DVOŘÁK service specialist. Service technicians have enough equipment to perform the necessary maintenance and service operations.

It is necessary to keep a record sheet or service book after each service. You will have a perfect overview of the maintenance and servicing performed. It is also necessary to always fill out the date and name of the technician. Ensure greater reliability with proper maintenance and service.

OWNER / OPERATOR SUPPORT
The manufacturer’s goal is customer satisfaction with their mower. In the event of a problem, you can contact the service or after-sales care department at DVOŘÁK - slope mowers.

When handing over a new mower and training with it, you will get the names of the relevant contact persons for service from your dealer.

Provide the following information and data for effective contact with after-sales service or service:

1. Your name, address and phone number.
2. Mower model and mower serial number.
3. Date of purchase and hours worked.
4. The nature of the problem.

INITIAL SERVICE AND INSPECTION

The manufacturer recommends performing a warranty inspection after 200 hours of operation. This inspection is usually requested by the mower’s owner with the local Spider supplier. This is a condition for maintaining the validity of the warranty.

SPARE PARTS

By using non-original spare parts and consumables, you expose the operator to health and safety risks, and at the same time this can cause the mower to malfunction.

DVOŘÁK – svahové sekačky s.r.o. spare parts catalog has been prepared in the partner zone website, where you will find individual spare parts and aids that you can order from your local Spider dealer for your mower type.

When ordering spare parts, you must tell our representative exactly the model of the mower and its serial number. See also: IDENTIFICATION OF COMPONENTS AND PRODUCT

The data table includes the engine serial number as well.
5.1 MAINTENANCE SAFETY

Compressed air
Compressed air is dangerous. Always wear personal protective equipment. Never aim the compressed air nozzle at yourself or others.

Springs
Always wear personal protective equipment when removing assemblies containing spring-loaded components. This will protect you from potential eye injuries caused by flying parts.

Metal chips
You may be injured by flying metal chips when pulling out or inserting metal pins. Use a soft surface hammer or a copper mandrel for insertion or removal i.e. pulling out metal pins. Always wear personal protective equipment.

Repairs
In the event of a fault or malfunction of the mower, have the fault repaired immediately. Neglecting the necessary repairs could lead to an accident or adversely affect your health. Do not perform any repairs or maintenance work that you do not understand. Get the job done by an expert to prevent injury or damage to the mower.

Electric arc welding on the mower is prohibited.

Hydraulic pressure
Hydraulic fluid under pressure can hurt you. Before connecting or disconnecting any hydraulic hose, the hose must be free of any hydraulic pressure. Secure the mower so that it cannot be started when the hoses are open.

O-rings, gaskets and gaskets
Poorly fitted, damaged or blistered O-rings and gaskets may cause leaks and accidents. In case of damage, replace them if no other instructions have been given. Do not use trichloroethane (TCA) or paint thinners near 'O' rings and seals.

Hot parts
Contact with hot surfaces can cause skin burns. The engine and mower components will be hot after operation. Allow the engine and components to cool down before servicing.

Hot parts
Contact with hot surfaces can cause skin burns. The engine and mower components will be hot after operation. Allow the engine and components to cool down before servicing.

Soft soil
The mower can sink into a soft soil.

Lifting the mower
Under no circumstances should the engine run while lifting the mower. If the joystick is inadvertently moved, stability may be at risk.

Liquids and lubricants
The oil is poisonous. If you swallow oil, do not induce vomiting, but seek medical attention. Used engine oil contains harmful fumes that can cause skin cancer. Do not handle used oil more than necessary. Always use a protective cream or wear gloves to avoid contact with the skin. Wash the oil-stained skin thoroughly with warm soapy water. Do not use gasoline, diesel fuel or paraffin to clean the skin.

Liquid under pressure
Thin jets of liquid escaping from the nozzles at high pressure can penetrate the skin. Protect your face and hands from liquid under pressure and wear personal protective equipment. Hold cardboard where you suspect a leak, and then check for any traces of hydraulic fluid. Seek medical advice immediately if hydraulic fluid penetrates the skin.

Fuel
Fuel is flammable, so protect the fuel system from open flames. If you suspect a fuel leak, stop the engine immediately. Do not smoke when refueling or working on the fuel system. Do not refuel while engine is running. Clean any spilled fuel as it may cause a fire. Failure to observe these precautions may result in fire or injury.

Hygiene
Excessive or prolonged contact of lubricants with the skin can remove natural fats from the skin, causing dryness and irritation.
WASTE DISPOSAL

WARNING
It is forbidden to pollute bodies of water, sewers or soil. Remove all spills and / or lubricants.

Used lubricant fluids, filters and contaminated materials must be disposed in accordance with local regulations. Use only approved landfills.

ATTENTION
Damaged or burnt accumulators, as well as charred debris in the event of fire and liquid leakage, should be placed in a sealed, acid-resistant container and disposed of in accordance with local waste disposal regulations.

All waste products must be stored in accordance with all applicable regulations. Collect and dispose of used oil in accordance with local regulations. Under no circumstances should the used engine oil be poured into the sewers, ditches or the soil.

Storage
Lubricants should always be stored so that children do not have access to them. Never store the lubricant in open or unlabeled containers.

Manipulation

ATTENTION
The hydraulic oil temperature will be high right after the engine stops. Wait until it has cooled down before starting maintenance.

New oil
There are no special precautions necessary for handling or using new oil in addition to routine care and hygiene procedures.

Used oil
The following precautions should be taken when handling used engine oil in order to protect your health:

- Avoid prolonged, excessive or repeated skin contact with used oil
- Lubricate your hands with a protective cream before handling these oils. Observe the following guidelines when removing oil from the skin:
  - Wash your skin thoroughly with soap and water
  - It is useful to use a nail brush
  - Use special hand cleaners to clean them properly
  - Do not use gasoline, diesel or paraffin to clean the skin
- Avoid skin contact with oil-soaked clothing
- Do not wear oil-stained rags in your pockets
- Wash contaminated clothing before reuse
- Dispose oil-soaked shoes
First Aid – Oil

Eyes
If you get oil in your eyes, it should be washed with water for about 15 minutes. If irritation persists afterwards, seek medical attention.

Ingestion
If you accidentally swallow oil, do not try to induce vomiting. Check with your doctor.

Skin
In case of excessive skin contact with oil, wash with water and soap.

Oil spill
Allow spilled oil to soak into sand or absorbent granules that are allowed in the area. The stains should then be scraped off and disposed in an appropriate waste container or landfill.

Fire

**WARNING**
Do not use water to extinguish the oil fire. It just spreads because the oil floats on the water. Burning oil and lubricants should be extinguished with carbon dioxide, powder or foam extinguishing agents. Firefighters must wear closed circuit breathing apparatus.

Skin
Rinse with water, remove contaminated clothing. Cover the burns with a sterile dressing and seek medical advice.

Battery
Warning symbols
You can find the following warning symbols on the battery.

5.2 **MAINTENANCE SCHEDULE**

The maintenance schedule is based on the number of hours the mower is running, except for daily maintenance. It is therefore necessary to regularly check the number of hours worked and to determine service intervals accordingly.

If the machine’s operating hour meter is not installed, use an equivalent calendar time to determine service intervals.

**WARNING**
Do not operate the mower that has not undergone the scheduled service checks. If any defects are found during regular inspections, they must be repaired immediately.

**Perform service tasks at intervals:**

- Hours worked
- Calendar equivalents

Whichever one occurred earlier decides.

The intervals specified in the timetable must not be exceeded.

If the mower operates in difficult conditions (high temperature, dust, water, etc.), shorten the intervals.
# MOWER MAINTENANCE CHART

<table>
<thead>
<tr>
<th>Task</th>
<th>Every 8 hrs. or daily</th>
<th>After first 10 hrs.</th>
<th>Every 50 hrs. or once per year</th>
<th>Every 100 hrs. or once per year</th>
<th>Every 200 hrs. or once per year</th>
<th>Once per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visually check for oil leakage from engine and hydraulic systems</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check the tire pressure</td>
<td>x</td>
<td></td>
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</tr>
<tr>
<td>Visually check the tension of travel V-belts</td>
<td>x</td>
<td></td>
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</tr>
<tr>
<td>Visually check the tension of the steering chain</td>
<td>x</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Check the mower battery state of charge</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check electronic and safety devices (emergency stop, steering, signal etc.)</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check for loose screws and nuts (visually check daily)</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check blade sharpness and deformations</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check for loose blade bolts</td>
<td>x</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Visually check hydraulic hoses, fuel hoses, cables – replace if necessary</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check and adjust wheel geometry</td>
<td>x</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Adjust the neutral position of the machine drive (hydraulic pump)</td>
<td>S</td>
<td>S</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Change the hydraulic oil and filter</td>
<td>S</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check, adjust and refill the wheel suspension</td>
<td>S</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check the blade deceleration</td>
<td>S</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check drive belts and replace if necessary</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check and clean the mowing mechanism</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Check safety decals on the machine</td>
<td>x</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Check the bearings on the mowing device</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Engine oil exchange</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check and add engine oil</td>
<td>x</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean the engine cooling system, exhaust hood, alternator, starter, hydraulic pump and controls</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Clean air filter and rough filter</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Change the air filter</td>
<td>x *</td>
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<td></td>
</tr>
<tr>
<td>Change the spark plugs</td>
<td>x</td>
<td></td>
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</tr>
<tr>
<td>Changing the fuel and vent filter, cleaning the fuel tank</td>
<td>x *</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Checking the valve clearance if necessary</td>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check the towing rope</td>
<td>x</td>
<td></td>
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</tr>
<tr>
<td>Check the winding drum state</td>
<td>x</td>
<td></td>
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</tr>
<tr>
<td>Check the snap hook</td>
<td>x</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Check the winch fixing</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
5.3 **VERTICAL SERVICE POSITION**

It is possible to place the mower in a vertical service position for cleaning and maintenance of the mower deck. It is only allowed to turn the mower into this position on a firm and level surface for the time necessary for service.

It is forbidden to park the mower in the vertical service position. It is forbidden to use the height of cut lever while in this position.

**PROCEDURE:**

1) Place the mower on a level and solid surface.
2) Rotate the wheels so the portals are aligned with the winch drum.

3) Switch off the mower using the CENTRAL STOP button and remove the key from the CENTRAL STOP.
4) Check the fuel tank cap and engine oil dipstick for tightness.
5) Turn off the fuel valve (If you do not take these precautions, you may be injured or killed.)
6) Set the cutting height to the lowest level - service position.

7) Pull the winch guide towards you. It will partially eject. This gives you a larger lever to turn the machine into the service position. See also: ABOUT THE MOWER> DESCRIPTION> LOCATION OF MAIN COMPONENTS

8) Lift the mower on the winch side by the winch guide until the mowing height handle rests on the ground.
5.4 SERVICE POINTS

ENGINE AREA

Image 11 - Service points - internal combustion engine

SERVICE POINTS - Mower

Figure 12 – Service points - mower
ACCESS POINTS

Before putting the mower into operation, ensure that all access panels are correctly in their closed or installed position.

ENGINE COVER

WARNING
Dust particles in the air or light combustible material (e.g. straw, grass, sawdust, etc.) must not accumulate in the engine and exhaust compartment. Check these locations regularly and clean them before each work shift, or more often than required if necessary. Before opening the engine cover, make sure there is no dirt accumulated on the cover itself.

WARNING
The engine contains rotating parts. Switch off the engine before working in the engine area. Do not switch the engine on when the engine cover is open.

MOWING DECK BOTTOM COVER

Grass gets into the area of the mowing mechanism continuously. Make sure that the area is always cleaned.

WARNING
Only approach the cutting area when the CENTRAL STOP on the mower is switched off!
5.5 GEOMETRY ADJUSTMENT

GEOMETRY CHECK

The geometry is adjusted mechanically. The mower operator evaluates whether the geometry needs to be adjusted or not.

![Geometry check](image)

Figure 13 – Geometry check

GEOMETRY ADJUSTMENT

If you do not have the necessary equipment and experience, have the work done by a specialized service center.

1) Hold down the skid-steering switch button so that the wheels slightly deflect, then release the button - the wheels return to the initial adjustment position.

2) Turn off the main switch and the CENTRAL STOP on the mower.

3) Raise the mower and support it so that the wheels are clear off the ground.

4) Loosen the 3 screws on the portal (see picture).

5) Place the straight lath on the wheel portals on the left and right side and adjust the wheels so that they are parallel.

6) Then tighten the screws.

7) The machine is ready for use.
5.6 ENGINE

ENGINE MAINTENANCE PLAN

The activities listed below are considered workshop maintenance and should only be performed by trained personnel.

Before starting any maintenance work on the mower, switch off the engine and allow it to cool down, press the CENTRAL STOP emergency button on the mower and remove the key. Also turn the remote control off using the CENTRAL STOP on the remote control.

To prevent the engine from starting unexpectedly, disconnect the negative (-) terminal on the battery.

The engine should only be repaired by an authorized dealer / service center with the appropriate tools, suitable spare parts and expertise.

Follow the original engine operating instructions included in this technical manual package for repair, maintenance and cleaning.

ENGINE CLEANING

Do not allow dirt to accumulate in the engine area. Pay special attention to the exhaust area, remove any combustible material.

It is forbidden to use high-pressure washing systems to clean the engine. This may damage the engine.

Do not attempt to clean any part of the engine while it is running. Stop the engine and allow it to cool down.

If you notice the following, contact your service mechanic:

- Excessive smoke
- Excessive vibration
- Excessive noise
- Overheating
- Unusual odors

5.7 ENGINE OIL

OIL LEAKAGE CHECK

Check the mower for any oil leaks before starting it:

1) Ensure that the mower operates safely.
2) Arrange for access to the engine area (if necessary)
3) Check the engine and area under the engine for any oil leaks.
4) Close the engine cover (if necessary).

OIL CHECK (LEVEL)

NOTE: Operating the engine with insufficient oil can cause serious engine damage.

WARNING

If you cannot provide enough engine oil for any reason, do not continue driving. Switch off the engine and consult a specialized service center. There is a risk of serious engine damage.
Engine Oil Level Check:

1) Ensure that the mower is on a level surface
2) Stop the engine and allow it to cool down.
3) Open the bonnet and pull out the dipstick.
4) Wipe the dipstick with a clean cloth and push it back into the inspection hole as far as it will go.
5) Pull out the dipstick out again and read off the oil level.
6) If the level is near or below the lower limit mark, top off the recommended oil to the upper limit mark.
7) Slide the oil dipstick back and tighten.

![Figure 13 – Engine oil dipstick](image)

**WARNING**
When topping off, the oil must not get on hot parts of the engine - risk of fire. Read and follow the warnings before working in the engine area.

**ENGINE OIL CHANGE**

Engine oil must be replaced at the intervals specified in the engine maintenance schedule. See also: [ENGINE MAINTENANCE SCHEDULE](#)

**WARNING**
You can replace the engine oil only if you have the necessary expertise!

**5.8 ENGINE AIR FILTER**

The air filter works on a dry basis, so never apply oil on it.

A dirty air filter reduces airflow to the carburetor, reducing engine performance. If you operate the engine in a very dusty environment, clean the air filter more than is recommended in the Maintenance Plan.

**ATTENTION**
Using an engine without an air filter or with a damaged filter will allow dirt to enter the engine; this speeds up engine wear. This type of damage is not covered by the supplier's warranty.
**CLEANING**

1) Unscrew the wing nut from the air filter cover and remove the cover.
2) Pull out the filter elements.
3) Pull the foam filter cartridge out of the paper filter cartridge.
4) Inspect both filter elements and replace if damaged. Change the paper filter cartridge according to the maintenance schedule.
5) Clean the filter inserts if they are going to be reused.
6) Air filter paper insert: Tap the filter insert a few times over a hard surface and shake any dirt off, or blow the filter from the inside with compressed air at a maximum pressure of 207 kPa. Do not clean with a brush, so that the dirt gets into the fiber layer.
7) Air filter foam insert: Blow through with the compressed air at a pressure of max. 207 kPa.
8) Use a damp cloth to wipe away dirt from inside of the air filter bed and from the air filter cover. Make sure that no dirt gets into the air intake that leads to the carburetor.
9) Put the foam filter element over the paper and assemble the air filter elements together.
10) Replace the air cleaner cover and tighten the wing nut on the cover.

**5.9 FUEL SYSTEM**

**CLEANING THE FUEL TANK**

While the mower is in use, dirt may accumulate in the fuel tank, which may cause the fuel system to clog up when the mower is operating.

The tank may only be emptied by suctioning petrol, taking all precautions when handling fuel.

The fuel tank venting system is integrated into the tank cap, where it is ended by a flip valve closing the venting system when the mower is overturned.

**WARNING**

Do not smoke or handle open flames near gasoline when working with gasoline.

**CHECKING FUEL LINES AND CLAMPS**

1) Ensure safe behavior of the mower See also: SERVICE POSITION
2) Arrange access to the engine area (if necessary) See also: ACCESS POINTS
3) Check the fuel system clips. If any clip is loose, replace it with a new one.
4) Every two years replace the fuel hoses and clips with new ones. (If one hose is damaged before two years have passed, the entire system needs to be replaced at the same time).

**REPLACING THE FUEL FILTER**

The fuel filter is replaced every 200 hours of operation.

1) Ensure safe operation of the mower
2) Turn off the engine and mower.
3) Arrange access to the engine area. See also: ACCESS POINTS
4) Remove the old fuel filter.
5) Install new fuel filter.
5.10 MOWING BLADE

Check the condition of the blade regularly.

THE BLADE:

- Cannot bear traces of damage such as bending, or other deformations.
- It must be securely fastened to the flange with fixing screws.
- Must be sharp.
- The fastening screws must be free of any damage.

The blade is statically balanced by the manufacturer for proper and reliable operation. This balance must be maintained throughout the use of the blade. After each sharpening, it is necessary to balance the blade statically. The blade screw must be tightened sufficiently.

If the blade is damaged, it is forbidden:

- Straightening the blade
- Heating the blade
- Welding and surfacing the blade
- Reinforcement and other interventions in its construction

When replacing worn parts, observe the following:

- Maximum allowed blade wear is 12 mm. If the mowing blade is worn beyond the permitted wear, the blade must be replaced.
- Blade balance must be checked after sharpening.
- The blade cannot be refurbished.
- When replacing the blade, use new fastening screws if the existing ones show signs of damage. Only steel, high-strength screws can be used as fasteners. The use of other screws is strictly prohibited.
- If the mowing unit starts vibrating after starting up the engine and engaging the blade, do not continue working with the mower, turn it off and contact your dealer.
- Use the table torques for tightening.

Changing the blade

1) Place the mower on a firm, level surface
2) Stop the engine, press CENTRAL STOP on the controller and the mower.
3) Disconnect the battery.
4) Raise the mower to the service position and secure it against tipping over.
5) Loosen the blade retaining screws. Remove the screws and washers. Note that when removing the screw, the blade may fall to the ground.
6) Follow the reverse procedure when mounting the blade.

- When mounting the blade, always check the screws.
- Wear gloves when changing blades.
- Check the blade attachment after installation.

Pay attention to the initial start of the mowing mechanism after changing the blade. Check for unknown sounds, vibrations, etc.
GRINDING AND INSPECTION OF THE CUTTING BLADE

To check the blade geometry:
- the blade must not be bent
- Never straighten a bent blade, USE NEW!
- the ends of the knife must be flush (test whether the whole surface is on a flat surface))

Grinding:
- grind only 100 mm sharp part of the blade
- grinding is carried out at an angle of 45°
- grind both sides of the knife evenly (up to a maximum depth of 12 mm)
- after sharpening check the balance of the blade!

5.11 HYDRAULIC SYSTEM

CHECKING THE STATUS
Maintenance of the hydraulic drive must be done by properly trained service personnel.

HYDRAULIC HOSES

WARNING
Damaged hoses can cause fatal accidents. Check the hoses regularly. Do not use the mower if the hoses or their fittings are damaged.

WARNING
Thin jets of liquid escaping from the nozzles at high pressure can penetrate the skin. Protect your face and hands from liquid under pressure and wear personal protective equipment. Hold cardboard where you suspect a leak, and then check for any traces of hydraulic fluid. Seek medical advice immediately if hydraulic fluid penetrates the skin.

CHECK THE HOSES REGULARLY FOR:

- Damaged hose ends
- Worn external covers
- Concave outer covers
- Tangled or crushed parts
- Stripped reinforcement in outer covers
- Extruded hose fittings
- Worn casing or hose guard breaks

Replace the damaged hose before using the mower again. Use only original hydraulic hoses supplied by DVOŘÁK – svahové sekačky s.r.o.

CHECKING (LEAKAGE)
Check the hydraulic hoses for damage. Check all hydraulic functions. In particular, check the speed of operation, vibrations and abnormal sounds. Do not use the mower where one or more of these defects appear.
5.12 HYDRAULIC STABILIZING WINCH

ROPE MAINTENANCE

Before each shift, check the condition of the rope, especially if you have been working in terrain where unwanted objects, sharp edges, etc. were present. After 20 hours of operation, pull the entire rope out of the winch and check its condition thoroughly for any damage.

![Warning]

**WARNING**
If the surface layer of the rope is damaged, replace the entire rope or shorten it if its shortened length suits you. The use of a damaged rope is strictly prohibited.

![Warning]

**WARNING**
Do not directly expose the tow rope to hot / warm objects.

**MOUNTING THE CARABINE**

Lead the rope through the lashing ring, write an eight figure around the fixed end and thread it through as shown in the picture.

![Figure 16 – mounting the carabine]

**MOUNTING THE ROPE**

The winding drum has two opposed holes drilled in its housing. One larger and one smaller diameter. Pass the loose and flush end of the rope through the smaller hole first and then out the larger diameter hole. Pull out the end of the rope approx. 20cm in length and make a knot. Pull the rope back in front of the drum. Make sure the knot is pulled inside the drum.

By turning the drum with the help of hydraulics, you can now wind the entire length of the new rope up on the winch drum.

**WINCH CLEANING**

After each shift, remove any dirt from the surface of the winch as well the hydraulic hoses. A clean surface helps improve the cooling of the hydraulic oil as well as to detect faults. Remove any dirt by brushing with a broom. Do not use pressured water. If water is used, the sprocket mechanism should be dried immediately. Do not use gasoline or other petroleum products for cleaning.
5.13 **ELECTRICAL SYSTEM**

**INSPECTION (OPERATION)**
Make sure the entire electrical equipment works properly. All defective parts must be repaired before use.

**CHARGING THE RC BATTERY**
1. Slide the battery from the controller
2. Connect the charger to the car cigarette lighter socket.
3. Insert the battery into the charger (the green and orange LEDs lights are on and the battery is charging).
4. When charging is complete, the orange LED turns off.

**NOTE:** Leave the battery in the charger as needed (the charger monitors the battery and does not overcharge the battery). If the battery used in the controller is low, replace it with a charged battery.

**FUSES**
Electrical circuits are protected by a fuse. If the fuse blows, find out why this occurred before installing a new one. The fuse is located in the control unit.

**WARNING:**
Use only fuses with the specified ampere rating. This will prevent damage to the electrical system.

**BATTERY MAINTENANCE**
Check the battery cleanliness at regular intervals.

Keep terminals and clamps clean of dust and corrosion. Terminal corrosion may affect battery performance and may pose a safety hazard. If you notice corrosion, disconnect the battery, loosen and remove the clamps, and remove the corrosion by spraying the terminals and clamps with a weak solution of baking soda and water (sodium bicarbonate). Apply the anti-corrosion emulsion again before reconnecting the clamps. Always keep proper records of maintenance.

**DO NOT REMOVE THE BATTERY SAFETY VALVE UNDER ANY CIRCUMSTANCES AND NEVER ADD WATER.**

**HOW TO MAINTAIN THE BATTERY**
To achieve maximum storage battery life, the average annual storage temperature must be 15 °C. Short-term temperature may not exceed 25 °C, otherwise the battery life may be affected.

1) Remove the battery from the mower.
2) Find a cool and dry place to store the battery.
3) Make sure the battery is fully charged and recharge it approximately every two months.

**HOW TO DISCONNECT THE BATTERY**
1) Ensure safe operation of the mower. See also: SERVICE POSITION
2) Check the access to the battery. See also: ACCESS POINTS
3) Turn off the power switch.
4) Disconnect the battery terminals. First, disconnect the ground terminal (-).

**WARNING:**
Do not disconnect the battery while the engine is running, as this may damage the electrical circuits.
HOW TO CONNECT THE BATTERY
1) Ensure safe operation of the mower
2) Arrange access to the battery.
3) Connect the battery terminals. Connect the ground terminal (-) last.
4) Secure the battery against movement using a tie-down strap.

BATTERY TESTING
The best and easiest way to test the battery is to use a voltmeter or a multimeter to measure the resting voltage. If you know the exact voltage, use the table below to determine the charge.

Make sure that the battery is fully charged so it can provide enough starting energy. The recommended charging current is 10% of the nominal capacity in amperes, i.e. 1.0A [ampere]). To ensure long life, we recommend that the battery be fully charged before installation.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Stage of Charge</th>
<th>Status</th>
<th>Action Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshpack</td>
<td>ACM</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt; 12.6 Volt</td>
<td>13 Volt</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>12.4 Volt</td>
<td>12.9 Volt</td>
<td>75%</td>
<td></td>
</tr>
<tr>
<td>12.1 Volt</td>
<td>12.5 Volt</td>
<td>50%</td>
<td></td>
</tr>
<tr>
<td>11.9 Volt</td>
<td>12.2 Volt</td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>&lt; 11.8 Volt</td>
<td>&lt; 12.0 Volt</td>
<td>0%</td>
<td></td>
</tr>
</tbody>
</table>

Figure 18 – Battery testing scheme

5.14 NEUTRAL POSITION ADJUSTMENT
Have this work carried out by a specialized service center.

5.15 HYDRAULIC PUMP DRIVE BELT

WARNING
Make sure the engine is switched off before changing the belt. Remove the key from the CENTRAL STOP before checking the belt tension.

The mower drive system and the mower deck blade drive system are designed with maintenance-free V-belts. The mowing mechanism is turned on through the switch on the remote control, where the switch is set to the on position - the pulley controlled by the servomotor tightens the mowing mechanism belts and the blade is turned on. When the mowing mechanism is switched off, the pulley is released - the belts are disengaged and the driven pulley is braked by the braking metal plate and the blade stops.
INSPECTION

1) Ensure safe operation of the mower.
2) Arrange access to the belts.
3) Check the belt tension with a slight thumb pressure between the pulleys.
4) If the belt is loose, have the belt tensioned or replaced by a specialized service center.

5.16 WHEEL SUSPENSION

WHEEL DRIVE

The wheel suspension includes an automatic tensioner and therefore does not need to be adjusted. The chain transmission in the wheel portal must work inside the lubricant, otherwise there is a risk of overheating and wear of these components. If lubricating oil leaks, add approx. 20 ml of gear oil into the wheel suspension.

GREASING LIQUID CHECK

In the factory, the MOBILUX EP 004 lubricant was filled into the transmission portal.

- Check visually. The lubricated chain should be coated with a film of lubricant.
- Grease is maintained at the bottom of the portal.
- In case of insufficient film on the portal chain, add 0.2 l of grease as specified.
- Lubrication of the gear portal is done by spraying lubricant on the running chain.
- Check the covers after maintenance and inspect the chain for lubricant.
- Ensure that the cover is properly sealed to prevent dust and dirt from entering inside the wheel portal.

OIL REFILL PROCEDURE

1) Raise the mower to the service position so that the wheels are clear of the ground.
2) Loosen the three screws on the wheel disc and remove the wheels.
3) Remove the thin portal cover and clean the cap and the surface around it.
4) Add about 50 ml of gear oil and clean and degrease both contact surfaces.
5) Seal the mating surfaces with silicone sealant and tighten the screws.
6) Mount the wheels and tighten.

Figure 19 – mowing device


**WARNING**
Never reach into the inner parts of the wheel suspension. Have any work carried out by an authorized service center.

### 5.17 DRIVES INSIDE OF THE CHASSIS WINGS

**WARNING**
Make sure the engine is switched off before checking the drive. Before checking, remove the key from the CENTRAL STOP button on the mower.

1) Place the mower on a flat and firm surface, press CENTRAL STOP on both remote control and the mower and remove the key.
2) Arrange for access to the drive elements.
3) Check the belt tension by applying a slight thumb pressure between the pulleys.
4) Check the chain tension by applying a slight thumb pressure in the middle of the section
5) If the tension is insufficient, loosen the tensioner pulley nuts and tension.
6) After tensioning, tighten the screws.
7) If any part is damaged or worn, replace it.
8) Cover the wing.

For better access to belt and chain tension on the left, unlock the tank strap and tilt the tank. Carry out maintenance on the drive and fasten the tank properly back in place. Make sure that no fuel leaks when handling the tank!

The drive belts are maintenance-free. Replace them in case of excessive wear. Check this on the left and right wing of the machine.
5.18 LUBRICATION
Apply a reasonable amount of lubricant to the parts to be lubricated. Excessive amounts of lubricant cause leakage and contamination of the mower and the environment. Insufficient quantity requires more frequent lubrication and can lead to damage.

5.19 TIRE PRESSURE
Observe the recommended tire pressure. Other values may adversely affect handling, especially on slopes. In some cases, you may also lose control of the mower.
Recommended tire pressure - according to tire manufacturer: (maximum 200 kPa - 2.0 bar).

5.20 TIRE REPLACEMENT
1) Place the mower on a flat and solid surface.
2) Turn the wheels so that the mounting nuts are accessible from the outside.
3) Stop the engine, remove ignition key from the CENTRAL STOP button.
4) Secure the machine against movement.
5) Lift the mower and place a service block under the mowing deck. (Ensure that the machine is securely supported before working on it.)
6) Loosen the retaining nuts, remove the tire.

To replace the tire, follow the reverse order.

5.21 MOWING HEIGHT ADJUSTMENT
Keep rack and lift lever parts clean, undamaged and without excessive play.
The control cords must be slightly overstretched. Replace the cord if it is damaged.

Figure 23 – Mowing height adjustment
6 TECHNICAL DATA

6.1 LIQUIDS, LUBRICANTS AND FILLING VOLUMES

WARNING
In the event of any unauthorized fuel types (or their equivalents) being used at any time, the producer rejects any liability for engine failure.

<table>
<thead>
<tr>
<th>Item</th>
<th>Liquid/Lubricant</th>
<th>Volume</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>Petrol 95 octane</td>
<td>3,5 l</td>
<td></td>
</tr>
<tr>
<td>Engine oil</td>
<td>SAE 10W-30 API classification SJ, SL or equivalent</td>
<td>1,1 l</td>
<td></td>
</tr>
<tr>
<td>Hydraulic oil</td>
<td>HV68</td>
<td>4 l</td>
<td></td>
</tr>
<tr>
<td>Wheel portal</td>
<td>Lubricant</td>
<td>0,3 l</td>
<td>Mobilux EP 004</td>
</tr>
<tr>
<td>Grease</td>
<td>Lubricant</td>
<td></td>
<td>Mobilgrease XHP 222</td>
</tr>
</tbody>
</table>

6.2 TECHNICAL PLATE

![Technical Plate Image]
6.3 **TECHNICAL DATA**

The mower is a self-propelled all-wheel-drive machine controlled by a remote control.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Measure</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (l x w x h)</td>
<td>mm</td>
<td>980 × 1110 × 600</td>
</tr>
<tr>
<td>Mowing width</td>
<td>mm</td>
<td>650</td>
</tr>
<tr>
<td>Height of cut</td>
<td>mm</td>
<td>45–110</td>
</tr>
<tr>
<td>Weight</td>
<td>kg</td>
<td>175</td>
</tr>
<tr>
<td>Speed</td>
<td>km/h</td>
<td>0–6</td>
</tr>
<tr>
<td>Cutting deck</td>
<td>-</td>
<td>One (single) blade</td>
</tr>
<tr>
<td>Hydraulic drive pump</td>
<td>-</td>
<td>Hydro Gear PC</td>
</tr>
<tr>
<td>Hydraulic drive motor</td>
<td>-</td>
<td>Sauer Danfoss OMM 32</td>
</tr>
<tr>
<td>Drive</td>
<td>-</td>
<td>4 × 4</td>
</tr>
<tr>
<td>Wheels</td>
<td>inch</td>
<td>13×5.00-6 (TURF)</td>
</tr>
<tr>
<td>Battery</td>
<td></td>
<td>12 V, 10 Ah, gel</td>
</tr>
<tr>
<td>Fuel</td>
<td>-</td>
<td>Unleaded petrol – natural 95</td>
</tr>
<tr>
<td>Fuel tank volume</td>
<td>l</td>
<td>3.5</td>
</tr>
<tr>
<td>Motor</td>
<td></td>
<td>Air cooled 4-stroke single valve Honda GXV390</td>
</tr>
<tr>
<td>Cubic capacity</td>
<td>cm³</td>
<td>389</td>
</tr>
<tr>
<td>Performance</td>
<td>kW</td>
<td>7.6</td>
</tr>
<tr>
<td>Engine Rpm</td>
<td>1/min</td>
<td>3600</td>
</tr>
<tr>
<td>Ignition</td>
<td>-</td>
<td>Electric</td>
</tr>
<tr>
<td>Starter</td>
<td>-</td>
<td>Electric</td>
</tr>
<tr>
<td>Winch rope - diameter</td>
<td>mm</td>
<td>6</td>
</tr>
<tr>
<td>Winch rope - length</td>
<td>m</td>
<td>15</td>
</tr>
<tr>
<td>Minimum carabine strength</td>
<td>kN</td>
<td>20</td>
</tr>
<tr>
<td>Winch hydro motor</td>
<td></td>
<td>Sauer Danfoss OMM 32</td>
</tr>
<tr>
<td>Frequency range EU and USA</td>
<td>MHz</td>
<td></td>
</tr>
</tbody>
</table>

**NOISE EMISIONS**

The mower emits the following noise: Sound power LWA = XXX dB

Guaranteed sound power level LWA = 98 dB

The measurement was carried out according to ISO 3744

Noise at the operator’s point (ear): L = XXX dB (A) Leq - measured at a distance of 3 m from the machine according to EN 11201
## 7 TROUBLESHOOTING
### 7.1 MOWER TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Failure / Mower Problem</th>
<th>Probable cause</th>
<th>Repair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine doesn’t start</td>
<td>Discharged battery</td>
<td>Recharge the battery, check the fuse</td>
</tr>
<tr>
<td></td>
<td>Disconnected battery</td>
<td>Connect the clamps</td>
</tr>
<tr>
<td></td>
<td>Electricity wire disconnection</td>
<td>Check/exchange harness</td>
</tr>
<tr>
<td></td>
<td>Spark plug doesn’t work</td>
<td>Clean / replace the spark plug</td>
</tr>
<tr>
<td></td>
<td>Fuel filter clogged</td>
<td>Exchange filter</td>
</tr>
<tr>
<td></td>
<td>Empty fuel tank</td>
<td>Refuel</td>
</tr>
<tr>
<td></td>
<td>Not enough engine oil</td>
<td>Add oil</td>
</tr>
<tr>
<td></td>
<td>No connection between the controller and receiver</td>
<td>Check the connection/contact dealer</td>
</tr>
<tr>
<td></td>
<td>Emergency switch is OFF</td>
<td>Release the switch</td>
</tr>
<tr>
<td>Mower drive is not enough or slow</td>
<td>Lack of hydraulic oil</td>
<td>Add oil</td>
</tr>
<tr>
<td></td>
<td>Overheated oil</td>
<td>Clean the cooling fan, wait until the system cools down</td>
</tr>
<tr>
<td></td>
<td>Clogged hydraulic oil</td>
<td>Exchange</td>
</tr>
<tr>
<td></td>
<td>Wear of the hydraulic circuit components</td>
<td>Exchange</td>
</tr>
<tr>
<td></td>
<td>Loose hydraulic drive belt</td>
<td>Tighten / Exchange</td>
</tr>
<tr>
<td>Mower does not drive up the slope</td>
<td>Worn V belts</td>
<td>Exchange</td>
</tr>
<tr>
<td></td>
<td>Not sufficiently tightened V belts</td>
<td>Tighten</td>
</tr>
<tr>
<td></td>
<td>Drive servo malfunction</td>
<td>Exchange</td>
</tr>
<tr>
<td>Mower vibrates when started</td>
<td>Blade carrier shaft is bent</td>
<td>Change the shaft</td>
</tr>
<tr>
<td></td>
<td>Damaged or unbalanced blade</td>
<td>Change blade</td>
</tr>
<tr>
<td></td>
<td>Blade is loose</td>
<td>Change the blades securing bolt and properly tighten</td>
</tr>
<tr>
<td></td>
<td>Damaged blade</td>
<td>Exchange</td>
</tr>
<tr>
<td>Cutting quality not satisfactory</td>
<td>Overgrown grass</td>
<td>Mow grass that is at most three times higher than the stubble height; we recommend mowing the grass, let the mow grass to dry out and mow it again</td>
</tr>
<tr>
<td></td>
<td>Blade is not sufficiently sharp</td>
<td>Sharpen or change blade</td>
</tr>
<tr>
<td></td>
<td>Wet grass</td>
<td>Wait until the grass is dry</td>
</tr>
<tr>
<td></td>
<td>High mowing speed</td>
<td>Slow down</td>
</tr>
<tr>
<td>The cut grass is caught inside the mowing deck</td>
<td>Wet grass</td>
<td>Wait until the grass is dry</td>
</tr>
<tr>
<td>Not able to change the cutting height</td>
<td>Adjusting cords are loose</td>
<td>Tighten or replace</td>
</tr>
<tr>
<td>Not able to turn on the blade</td>
<td>Loose cutting belts</td>
<td>Check the condition of the belts or replace / consult a service center</td>
</tr>
<tr>
<td>Not able to turn the blade off</td>
<td>Worn or non-trimmed mower deck drive elements</td>
<td>Consult a service center</td>
</tr>
</tbody>
</table>
## 7.2 WINCH TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Failure</th>
<th>Probable cause of failure</th>
<th>Repair</th>
</tr>
</thead>
<tbody>
<tr>
<td>The drum is not rotating</td>
<td>Lack of oil in the hydraulic system of the machine</td>
<td>Add hydraulic oil</td>
</tr>
<tr>
<td>Jerking motion of the drum</td>
<td>Lack of oil in the hydraulic system</td>
<td>Add hydraulic oil</td>
</tr>
<tr>
<td>The drum rotates only until the oil gets warm</td>
<td>Worn hydraulic motor</td>
<td>Replace the hydraulic motor</td>
</tr>
<tr>
<td></td>
<td>Low engine speed</td>
<td>Increase the engine RPM to maximum</td>
</tr>
<tr>
<td>The winch is too noisy</td>
<td>Worn bearings of the winch drum</td>
<td>Replace the bearings</td>
</tr>
</tbody>
</table>

## 7.3 REMOTE CONTROL TROUBLESHOOTING

The table below lists malfunctions that are signaled by LEDs on the Transmitting Unit and the solution to those malfunctions. If the problem persists after attempting the suggested solution, contact the support service of the Machine Manufacturer.

<table>
<thead>
<tr>
<th>Failure</th>
<th>Probable cause</th>
<th>Repair</th>
</tr>
</thead>
<tbody>
<tr>
<td>The green LED blinks fast. The red LED(^1) blinks for 3.5 minutes.</td>
<td>The battery is not sufficiently charged or the Transmitting Unit has been on for eight hours(^2).</td>
<td>The battery needs to be replaced with a charged one</td>
</tr>
<tr>
<td>The green LED repeats one of the following sequences: ONE or TWO blinks and a pause. The red LED(^1) blinks for 3.5 minutes.</td>
<td>The Transmitting Unit has been on for eight hours(^2).</td>
<td>You need to switch off the Transmitting Unit and start the Radio Remote Control again.</td>
</tr>
<tr>
<td>The green LED is off. The red LED(^1) has ONE very long blink.</td>
<td>The Transmitting Unit does not work correctly.</td>
<td>Contact the support service of the Machine Manufacturer.</td>
</tr>
<tr>
<td>At Radio Remote Control start up, the green LED is off and the red LED(^1) has ONE long blink(^3).</td>
<td>The STOP pushbutton is pressed.</td>
<td>Unlock the STOP pushbutton.</td>
</tr>
<tr>
<td>At Radio Remote Control start up, the green LED is off and the red LED(^1) has TWO long blinks(^3).</td>
<td>The Transmitting Unit does not work correctly.</td>
<td>Contact the support service of the Machine Manufacturer.</td>
</tr>
<tr>
<td>At Radio Remote</td>
<td>The battery is very low.</td>
<td>The battery needs to be replaced with a charged one</td>
</tr>
</tbody>
</table>

\(^1\)LED \(^2\)Time \(^3\)LED
Control start up,  
the green LED is off  
and  
the red LED has THREE  
long blinks³.

| At Radio Remote Control start up,  
the green LED is off  
and  
the red LED¹ has FOUR  
long blinksª. | The SAFETY command is activated | Bring the actuators to the rest position. |
| At Radio Remote Control start up,  
the green LED is on  
and  
the red LED¹ has ONE  
to FOUR long blinks  
and some short blinks ³. | At least one of the actuators corresponding to commands is activated. | Bring the actuators to the rest position. If necessary, it is possible to identify the activated command |

¹. Whenever the red LED illuminates, the acoustic signal device activates.  
². After this signal, the Transmitting Unit switches off.  
³. Press START pushbutton and hold it down until the Transmitting Unit automatically switches off.

Whenever the red LED lights up, the acoustic signaling device is activated.
8 WARRANTY CONDITIONS

LIMITED WARRANTY FOR NEW SPIDER EQUIPMENT

GENERAL PROVISIONS – The warranties described below are provided by DVOŘÁK – svahové sekačky s.r.o. ("Spider") to the original purchaser of new equipment from Spider or authorised Spider Distributors/ Dealers. Under these warranties Spider will repair or replace, at its opinion, any covered parts which is found to be defective in material or workmanship during the applicable warranty term. Warranty service must be performed by a Distributor/ Dealer or service centre authorised by Spider to sell and/or service the type of equipment involved, which will use only new or remanufactured parts or components furnished by Spider. Warranty service will be performed without charge to the purchaser for parts and labour. The purchaser will be responsible, however, for any service call and/or transportation of product to and from the Distributor’s/Dealer’s or service centre’s place of business, for any premium charged for overtime labour requested by the purchaser, and for any service and/or maintenance not directly related to any defect covered under the warranties below.

a) Spider provides Warranty:
   - for new Products according to the valid Warranty Conditions Spider will provide the Distributor/ Dealer with a Warranty for the Product for a maximum period of 36 months. from the day the Product was delivered to the Distributor/ Dealer
   - 24 months for the Customer after purchase and registration of the Product
   - for new Spare Parts delivered outside the Product Warranty for a period of 3 months from the day these were delivered to the Customer, but only under the condition that these were installed and mounted by an authorized service Distributor/ Dealer. Otherwise the Warranty is forfeit.
   - For new spare parts delivered under Warranty the Warranty period expires together with the Warranty period of the whole Product

b) The Distributor/ Dealer is obliged to ensure performance of warranty inspections on the Product as prescribed in the Operator’s Manual.

c) In order for a warranty claim to be acknowledged, the purchaser must have had all prescribed warranty inspections performed and recorded.

d) In the case of defects reclaimed by the Customer in terms of the warranty period, the Distributor/ Dealer assesses and determines whether this concerns a defect in the warranty period, which can be acknowledged (acknowledged warranty) or not and ensures repairs are carried out.

e) If the Distributor/ Dealer assesses the defect as one that can be acknowledged (acknowledged warranty), they are obliged to request in writing that Spider acknowledges such warranty repair at the latest within one month after the end of the month in which such warranty repair was performed. This can only be done through a standard “Warranty Claim Report” form. Such request will include all information about the method of assessment and solution of the warranty (description of defect, identification of defect, description of repair, list of defective parts, hourly work by the service center, specification of costs for repair, photo/video documentation of the repaired part). Spider is obliged after investigation, to make a decision on this request as whether to acknowledge the warranty or not.

f) Spider will make a decision about the acknowledgement of the warranty claim without unnecessary delay, latest within 60 days since the warranty claim is filed.

g) If the warranty is acknowledged, Spider will write out a credit note to the Distributor/ Dealer for costs connected with the warranty repair – i.e. the cost of spare parts and the hourly rate for service work according to the valid repair norms.

h) Spider is entitled to reject such warranty claim if the warranty was acknowledged by the Distributor/ Dealer in conflict with the warranty conditions. In such a case, Spider is not obliged to reimburse the Distributor/ Dealer for costs for performance of such warranty repair work.

i) Acknowledged warranty repairs of commercial models (Spider XLINER, Spider ILD01, Spider ILD02, Spider 2SGS and higher) up to the level of EUR/USD 100.00 (one hundred EUR/USD) per case are not covered by Spider, costs connected with such repairs are included in the Distributor’s/ Dealer’s profit margin.
j) The Distributor/Dealer is obliged to ensure clear marking and storage of damaged spare parts, which were replaced under warranty for the period of min. 12 months, as well as of all-important documents pertaining to such warranty repair.

k) The selling Distributor/Dealer has no authority to make any warranty, representation, condition or promise on behalf of Spider, or to modify the terms or limitations of this warranty in any way and makes no warranty on any other item unless it delivers to the purchaser a separate written certificate specifically warranting the item.

l) Spider is not responsible for the following: (1) Used equipment; (2) Any equipment that has been altered or modified in ways not approved by Spider, including, but not limited to, setting injection pump fuel delivery above Spider specifications; Depreciation or damage caused by normal wear, lack of reasonable and proper maintenance, failure to follow operation instructions, misuse, lack of proper protection during storage, or accident; (4) Any repairs done by the Customer; (5) Normal maintenance parts including blades, hydraulic hoses, belts, bearings, spark plugs, filters, chains, tires, winch ropes etc. and service.

m) To secure warranty service, the purchaser must (1) Report the product defect to an authorised Distributor/Dealer and request repair within the applicable warranty term, (2) Present evidence of the warranty start date, and (3) Make the equipment available to an authorised Distributor/Dealer or service centre within a reasonable period of time.

n) Every Distributor/Dealer must ensure that the Product is registered by the Customer on www.slope-mower.com/machine-registration/ within seven (7) days after delivery in order to receive the full warranty of 24 months/800 working hours, whichever happens first.

o) All Demo units will be registered by Spider on the date of delivery to the Distributor/Dealer. All Demo units will be appointed by Spider.

In Pohled, January, 2019
Shortcuts:

RRC (RC) Radio Remote controller
Mower Spider XLINER

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