



Instructions for use

-translation of the original instructions-

LM 715 PRO

LM 815 PRO/LM 815E PRO



1. SAFETY

1.1 WARNING SYMBOL

This **WARNING SYMBOL**  is used both in this manual and on the machine to identify important safety messages that must be observed to avoid accidents. This symbol means:

WARNING! ALERT! SAFETY THREAT!

The safety warning symbol above warns you of unsafe actions or situations with the word **DANGER**, **WARNING** or **CAUTION**.

DANGER

Failure to follow safety instructions may result in death or serious injury.

WARNING

Failure to follow safety instructions may result in death or serious injury.

CAUTION

Failure to follow safety instructions may result in minor or serious injuries.

1.2 TRAINING

1.2.1 Consider the lawnmower as a power appliance. The operator must be trained before using this appliance.

1.2.2 Read the instructions carefully. Be thoroughly familiar with the controls and the proper use of the equipment.

1.2.3 Never allow children, teenagers, or adults to use the equipment without proper training.

1.2.4 Keep everyone, especially children and pets, away from the work area. Be aware that the operator or user is responsible for accidents or hazards that occur to other people or their property.

1.3 PREPARATION

1.3.1 Assess the terrain to determine which accessories and extensions are needed to perform the job correctly and safely. Use only accessories and extensions approved by

Blue Bird Industries

1.3.2 The use of personal protective equipment is recommended, such as (by way of example but not limited to) eye, ear, foot, and head protection.

 CAUTION
POTENTIAL DANGER
This machine produces sound levels above 85dBA at the operator's ear during operation.
WHAT CAN HAPPEN
Exposure to sound levels of 85dBA or higher for prolonged periods can cause hearing loss.
HOW TO AVOID THE RISK
Wear hearing protection when using this machine.

1.3.3 During mowing, always wear proper footwear and long pants. Do not use the equipment barefoot or with open sandals.

1.3.4 Carefully inspect the area where the equipment is to be used and remove all stones, sticks, wires, bones, and other foreign objects that may damage the equipment or cause personal injury to the operator or bystanders.

 WARNING
POTENTIAL DANGER
Engine exhaust gases contain carbon monoxide, which is a deadly, odorless poison.
WHAT CAN HAPPEN
Carbon monoxide can cause death.
HOW TO AVOID THE RISK
Do not operate the engine indoors or in a small confined area where dangerous carbon monoxide fumes can accumulate.

 DANGER
POTENTIAL DANGER
Under certain conditions gasoline is extremely flammable and highly explosive
WHAT CAN HAPPEN
A gasoline fire or explosion can burn users, others, and cause property damage.

HOW TO AVOID THE RISK
- Do not smoke during refueling, and stay away from open flames or where gasoline fumes may ignite due to a spark. - Refuel only outdoors. - Store gasoline in an approved container and keep it out of the reach of children. - Add fuel before starting the engine. Never remove the fuel tank cap or add fuel when the engine is running or when it is hot. - Never fill the fuel tank so that the gasoline level rises above a level that is 10 mm below the bottom of the filler neck to allow for gasoline expansion and prevent fuel spillage. - In case of fuel spillage, DO NOT attempt to start the engine. Move away from the spill area and avoid creating any source of ignition until the vapors have dissipated. - Do not use without the entire exhaust system in place and in proper working condition.

- When practical, remove gas-powered equipment from the truck or trailer and refuel the equipment with the wheels on the ground. - If this is not possible, then refuel such equipment on a truck or trailer from a portable container rather than from a gasoline dispenser. - If you must use a gasoline dispenser nozzle, keep it in contact with the edge of the fuel tank or the container opening until refueling is complete.
--

 WARNING
POTENTIAL DANGER
Gasoline vapors can accumulate inside enclosed trailers and ignite due to electrical sparks or hot engine/exhaust components.
WHAT CAN HAPPEN
Explosions and fires may occur, resulting in property damage, personal injury, and/or death.
HOW TO AVOID THE RISK
- Ensure adequate ventilation of any enclosed trailer to prevent the accumulation of gasoline vapors, especially at ground level. - Refuel only outdoors, never inside an enclosed trailer. - Make sure all fuel tanks and gasoline storage containers are equipped with proper caps to prevent spills and minimize vapor leakage into the trailer.

 DANGER
POTENTIAL DANGER
Under certain conditions, gasoline is extremely flammable and highly explosive.
WHAT CAN HAPPEN
A static charge can ignite gasoline vapors. A gasoline fire or explosion can burn users, others, and cause property damage.
HOW TO AVOID THE RISK
- Purchase and store gasoline only in an approved container. - Always place gasoline containers on the ground, away from the vehicle during refueling. - Do not fill gasoline containers inside a vehicle or on the bed of a truck or trailer, because interior carpets or plastic bed liners can insulate the container and slow the dissipation of any static charge.

1.4 USE

Although hazard control and accident prevention depend in part on the design and configuration of the equipment, these factors also depend on the awareness, concern, caution, and proper training of personnel involved in the use, transport, maintenance, and storage of the equipment. It is essential that all operator safety mechanisms are connected and in working condition before mowing.

 WARNING
POTENTIAL DANGER
Engine parts in operation, especially the muffler, become extremely hot.
WHAT CAN HAPPEN
• Severe burns may occur upon contact. • Debris such as leaves, grass, bristles, etc. can catch fire.
HOW TO AVOID THE RISK
• Allow engine parts, especially the muffler, to cool before touching them. • Remove accumulated debris from the muffler and engine area. • Install and maintain a spark arrestor before using the equipment on unimproved land covered by forests, grass, or brush.

 WARNING
POTENTIAL DANGER
Hands, feet, hair, clothing, or accessories can become entangled in rotating parts
WHAT CAN HAPPEN
• Contact with rotating parts can cause traumatic amputations or severe lacerations
HOW TO AVOID THE RISK
• Do not operate the machine without guards, shields, and safety devices in place and functioning properly. • Keep hands, feet, hair, jewelry, or clothing away from rotating parts.

1.4.1 Pay full and complete attention to the work being performed.

1.4.2 Mow only in daylight or with good artificial light; keeping away from holes and hidden hazards. Never **EVER** carry passengers. **DO NOT** operate the mower when there are children or others in the area!

1.4.3 When possible, avoid operating the equipment in wet grass.

1.4.4 Use extreme caution when mowing and/or turning on slopes, as loss of traction and/or overturning may occur. The operator is responsible for safe operation on slopes.

 DANGER
POTENTIAL DANGER
Mowing wet grass or on steep slopes can cause slipping and loss of control.
WHAT CAN HAPPEN
Wheels on edges, ditches, steep banks, or water can cause rollovers and result in serious injury, death, or drowning.
HOW TO AVOID THE RISK
• Do not mow on a slope when the grass is wet. • Do not mow near drop-offs or close to water. • Do not mow on a slope when the grass is wet. • Reduce speed and use extreme caution on slopes. • Avoid sudden turns or rapid changes in speed.

- Use a hand mower only near slopes, ditches, steep banks, or water. This area can be dangerous, see Figure 1.
- Progressively greater care is needed as the slope increases
- Always avoid sudden starts or stops on a slope. If the tires lose traction, disengage the blades and proceed slowly off the slope.
- Avoid sudden starts when mowing uphill. The mower can tip over backward.
- Be aware that loss of traction may occur when going downhill. Transferring weight to the front wheels can cause the drive wheels to slip and result in loss of braking and steering control.
- Be careful of ditches, holes, rocks, stones, depressions, and inclines that change the operating angle, as rough terrain could tip the machine over
- Pay close attention to grass collection devices or accessories. These can affect the stability of the machine and cause loss of control.

1.4.5 Stop the blades when transporting the mower to and from the area of operation.

1.4.6 Never operate the mower with defective guards, shields, or covers. Always keep safety shields, guards, switches, and other devices in place and in proper working condition.

1.4.7 DO NOT modify the engine speed setting and do not overload the engine. Operating an engine at excessive speed may increase the risk of personal injury.

1.4.8 Disengage the power take-off before starting the engine

1.4.9 Start the engine carefully, with your feet well away from the blades.

1.4.10 Keep hands, feet, and clothing away from rotating parts while the mower is running

1.4.11 Stop the engine, wait for all cutting parts to stop, and remove the key:

- Before checking, cleaning, or working on the mower.
- After hitting a foreign object (inspect the mower for any damage and make repairs before restarting and operating it).
- Before removing blocks.
- Whenever you leave the mower.
- Stop the engine and wait for all moving parts to stop:
- Before refueling.
- Before unloading the grass collection device.

1.4.12 The fuel system is equipped with a shut-off valve. CLOSE THE VALVE:

- When the machine will not be used for several days.
- During transport to and from the job.
- When it is parked inside a building.

1.4.13 This mower is designed for only one operator. Keep everyone else away from the mower during operation.

1.4.16 DO NOT mow with the discharge deflector raised, removed, or altered, unless there is a grass collection system or mulching kit in place and functioning properly.

1.4.17 Be careful with the mower discharge and discharge directly away from others.

1.4.18 DO NOT operate the mower under the influence of alcohol and/or drugs

1.4.19 Pay particular attention when approaching blind corners, bushes, trees, or other objects that may obscure your view.

1.5 MAINTENANCE AND STORAGE

1.5.1 For engine maintenance, follow the manufacturer's recommendations exactly as indicated in the engine manual.

1.5.2 Keep the engine and engine area free from accumulations of grass, leaves, excess grease or oil, and other debris that may collect in these areas. These materials can become combustible and cause a fire.

1.5.3 Store fuel in a container specifically designed for this purpose and in a cool, dry place.

1.5.4 Keep the mower and fuel container locked up to prevent children from playing with or tampering with them.

1.5.5 Gasoline-powered equipment or fuel containers must not be stored in a basement or any enclosed area where open pilot lights or heating appliances are present

1.5.6 Maximum mowing results and safety can only be achieved if the mower is properly maintained and used appropriately.

1.5.7 Frequently check all bolts to maintain proper tightness.

1.5.8 Keep all guards, shields, and safety devices in place and in safe working condition.

1.5.9 Frequently check for worn or deteriorated components that could pose a hazard.

1.5.10 All replacement parts must be identical or equivalent to the parts supplied on the original equipment.

1.6 SAFETY LABELS

1.6.1 Keep all safety labels legible. Remove all grease, dirt, and debris from safety labels and instruction labels.

1.6.2 Safety labels must be replaced if missing or illegible.

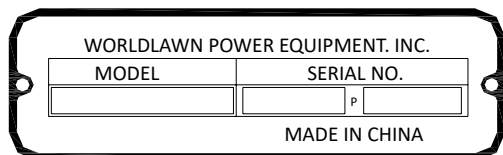
1.6.3 When installing new components, ensure that current safety labels are affixed to the replaced components

1.6.4 New safety labels can be obtained from your authorized dealer or distributor or from Blue Bird Industries.

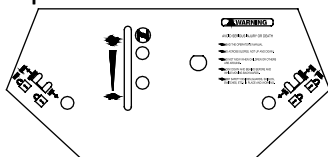
1.6.5 Safety labels can be applied by peeling off the backing to expose the adhesive surface. Apply only on clean and dry surfaces. Smooth to remove any air bubbles.

1.6.6 Familiarize yourself with the following safety and instruction labels. They are essential for the safe operation of the machine.

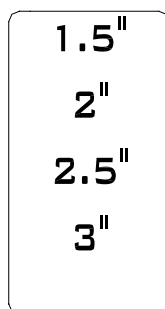
The decals and their positions are as follows:



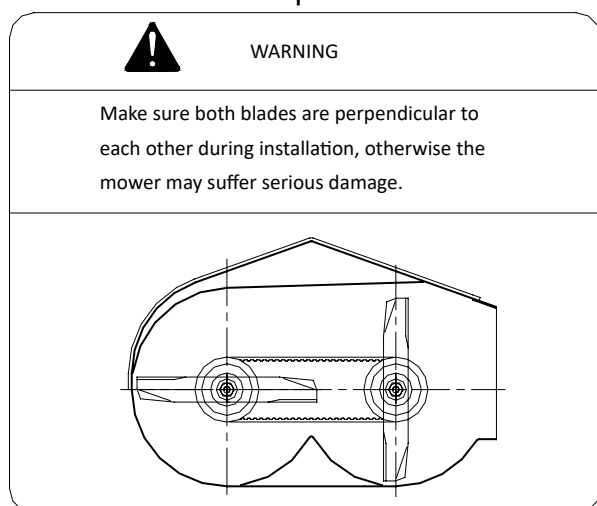
1. On the left panel of the rear frame



2. On the console panel (Model with electric start)



3. On the mower deck panel

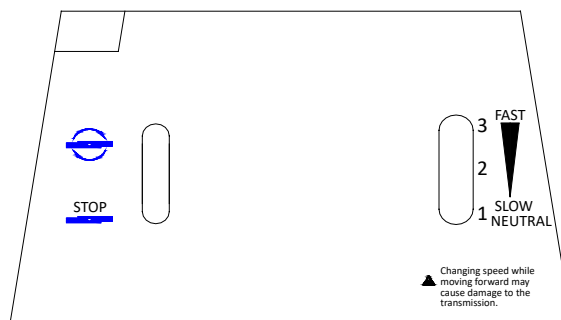


3. On the mower deck panel

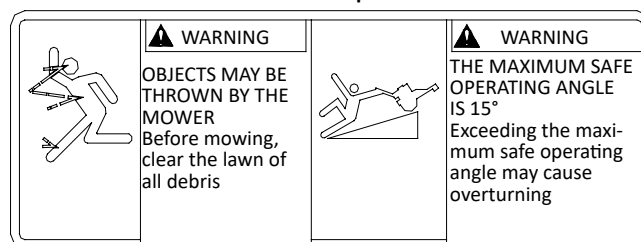


5. On the mower deck panel and on the LH&RH belt guard plate

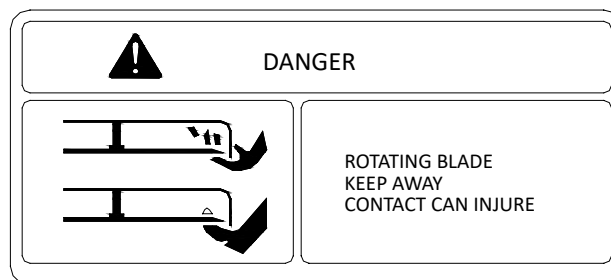
5. On the mower deck panel and on the LH&RH belt guard plate



6. In front of the console plate



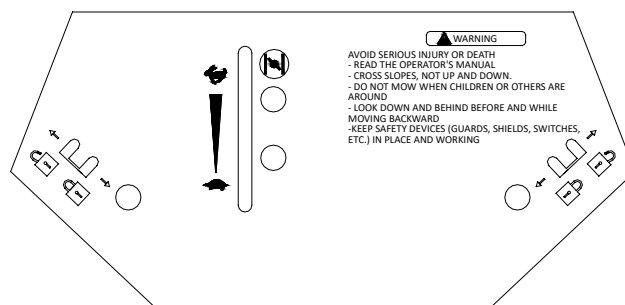
7. On the rear frame panel



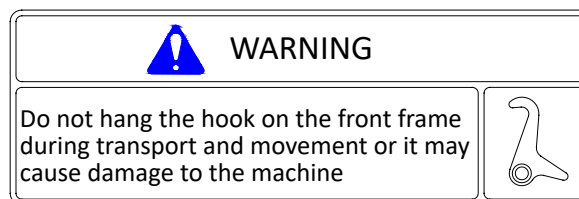
8. On the mower deck panel



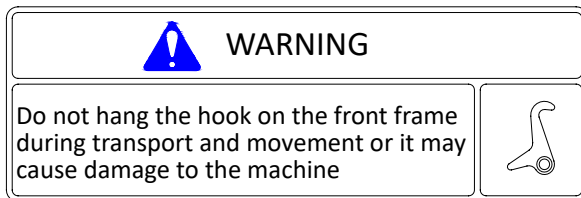
9. On the deck cover



10. On the console panel (Recoil model)



11. On the left side of the front frame



12. On the right side of the front frame

28 32

13. On the front part of the mower deck

2. SPECIFICATIONS

2.1 Model number:

LM 715 PRO & LM 815 PRO & LM 815E PRO

2.2 Engine:

MODEL	ENGINE	STARTING
LM 715 PRO	B & S10.5HP Intek I\C	Recoil start
LM 815 PRO LM 815E PRO	LC2P77F-A	Recoil start

2.3 Frame assembly

- Front frame: Rectangular tube 40×30×2.5 (mm)
- Thickness (engine frame steel plate): 2.5 mm
- Fuel tank: 7.6-liter plastic fuel tank
- Drive wheel: 13×5" two-ply tubeless tire
- Wheel: 8×3" smooth tubeless tire.

2.4 Drive system

- Type: Belt drive with two power belts for greater friction on the pulley surface
- Transmissions: 3-speed transmission
- Steering/drive control: Clutch/brake with fingertip steering, key lock switch.
- Brakes: band brake, one on each wheel
- Safety group: Operator presence system operated by hand with blade clutch and transmission interlock for engine shut-down.
- Forward speed range: 0-7 km/h

2.5 Cutting deck

- Type: Floating deck
- Effective cutting width: 28" (71.1 cm) / 32" (81.26 cm)
- Blade engagement: Manual control
- Cutting height adjustment: Manual adjustment from 1.5" (3.8 cm) to 4.0" (10.16 cm) in 0.5" (1.27 cm) increments.
- Cutting blades: 0.2" (5 mm) thick, two blades 14.5" (36.8 cm).
- Deck belt cutting: flat belt.
- Synchronous belt: 1200-8M

2.6 Operator controls (see FIG 1)

- Key switch: Located on the control panel (some recoil models are not equipped with a key switch). The recoil starter has two positions. Turning to "on" starts the engine; turning to "off" stops the engine. The electronic ignition model has three positions. When starting, turn to the "start" position; then release your hand.
- Throttle control: Located on the control panel. The throttle is used to control the engine speed. Moving the throttle lever forward increases the engine speed and moving the throttle lever backward decreases the engine speed. Some recoil start models are not equipped with a key switch. Move the throttle lever to the furthest back position, then the engine will shut off.
- Blade engagement lever: Push the mower blade engagement lever forward to the engaged position. Pull the mower blade engagement lever backward to the disengaged position to stop the blades.
- Operator presence lever operated by hand: During normal operation, squeeze the operator presence lever. When it is released, the engine shuts off
- Steering brake levers: While holding the steering lever handles with both hands, release the right and left neutral latches; then release the right and left steering levers to move forward. When the steering levers are released, the mower will travel straight forward. To make a right turn, press the right steering lever. To turn left, press the left steering lever. Press both steering levers, lock the right and left neutral latches, and the mower will stop.
- Neutral latches: Located at the bottom of the handles. They are used to lock the steering brake levers during stopping.
- Gear lever: It is used to control the speed. When the machine is moving forward, if you want to shift from low to high gear, push the gear lever forward, then you can change the gear. When shifting from a high gear to a low gear, you must stop the machine, then change the gear.
- Fuel shut-off valve: The fuel shut-off valve is used to turn off the fuel when the machine will not be used for several days, during transport to and from the work site, and when it is parked inside a building.

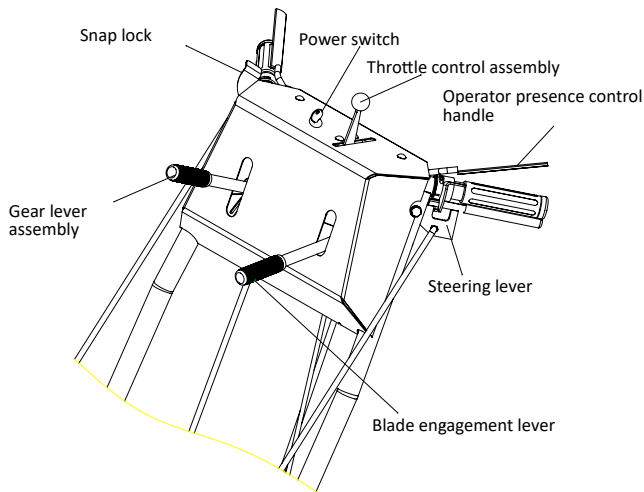


FIG. 1

2.7 Accessories:

- a) Grass catcher assembly (2832200): 80L, see FIG 2
 b) 28" mulching assembly (2832010), 32" mulching assembly (3210135): See FIG 3

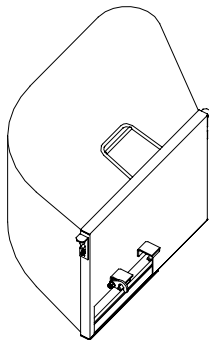


FIG. 2

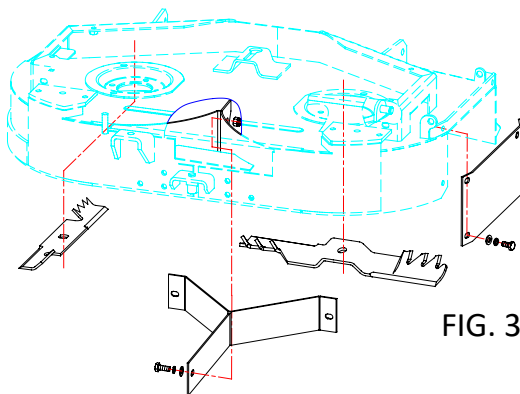


FIG. 3

2.8 Approximate dimensions:

2.8.1 Width:

Model	Without deck	Discharge chute up	Discharge chute down
LM 715 PRO	27.8' 70.5 cm	28,8" 73,2 cm	37,8" 96 cm
LM 815 PRO LM 815E PRO	28" 71,1 cm	32,8" 83,4 cm	41,3" 104,9 cm

2.8.2 Overall length: 67.3" (171.0 cm)

2.8.3 Overall height: 42.9" (109.0 cm)

2.8.4 Track width:

- Drive wheel track width: 22.6" (57.6 cm)
- Caster wheel track width: 20.6" (52.3 cm)

2.8.5 Wheelbase:

- 31.9" (81 cm)

2.8.6 Net weight: 283lbs (129Kg)

2.9 Torque requirements

- Spindle nut of the cutter housing: 66± 13ft-lb (90±18N-m)
- Engine plate / Front frame mounting bolts: 40-52ft-lb (55-70 N-m)

3. ASSEMBLY INSTRUCTIONS

3.1 Unpacking

Open the crate. Remove the loose parts (i.e. the operator's manual, etc.) from the crate. Remove the equipment from the crate; check that there are no loose parts.

3.2 Assembly instructions

- Unfold the handle and secure it with four Flange Hd M10×25. Bolt and four M10 locknuts on each side as shown in FIG 4.
- Insert the threaded pin of the connector at the end of the right and left steering tie rods through the hole of the right and left brake rocker arms; add the M6 nut and 8 washer and tighten. Next, insert the threaded pin of the connector at the end of the gear control assembly rod through the hole of the gear control arm; add the M6 nut and 6 washer and tighten. Finally, insert the threaded pin of the connector at the end of the blade control rod through the hole of the tension rocker arm; add the M6 nut and 6 washer and tighten. See FIG 4
- The throttle cable must be connected to the engine according to the engine operator's manual. The fuel tank line connects to the engine line. (The positions of the fuel filter and the throttle cable attachment are slightly different on different engine models). See FIG 5

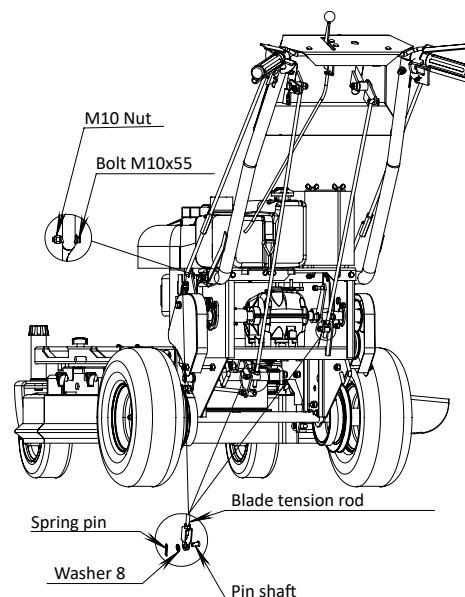


FIG. 4

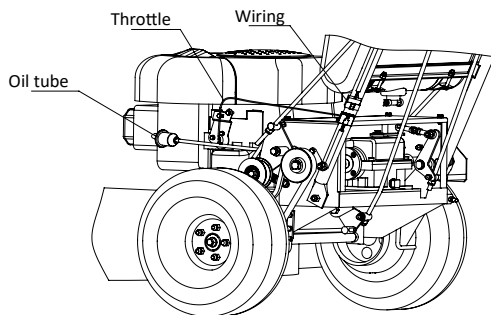


FIG. 5

3.3 Engine Maintenance

The engine is shipped without oil. Fill to the appropriate level with SAE10W-30 or 10W-40.

4. OPERATING INSTRUCTIONS

Read these instructions carefully before using the lawnmower.

4.1 Pre-start

- Fill the fuel tanks. For optimal results, use only clean, fresh, regular grade unleaded gasoline with an octane rating of 87 or higher. You may also use regular grade leaded gasoline; however, the combustion chamber and cylinder head will require more frequent maintenance. Refer to the engine instruction manual. Do not add oil to the gasoline. Do not overfill the fuel tank.
- Open the fuel tank shut-off valve.
- Be sure you understand the controls, their positions, their functions, their safety requirements, and how to stop quickly.

 DANGER
POTENTIAL DANGER
The rotating blades under the mower deck are dangerous.
WHAT CAN HAPPEN
Contact with the blade can cause serious injury or death.
HOW TO AVOID THE RISK
• DO NOT put hands or feet under the mower or its deck when the blades are engaged.

- Refer to Maintenance, Section 5, and perform all necessary inspection and maintenance steps.

- Check the tire pressure in the drive wheels. The correct inflation pressure for the tires is 30psi (210kpa).
- Check the tire pressure in the steering wheels. The correct inflation pressure for the tires is 30psi (210kpa).

4.2 Starting the engine

- Turn the key switch to the "ON" position. The transmission must be in neutral, the blade engagement lever must be disengaged. 1) For key restart, turn the key switch to the "ON" position, pull the cord to start the engine. 2) For recoil without key, pull the cord intermittently to start the engine. 3) For electric starting, turn the key switch to the "Start" position to start the engine.
- When the engine is cold, set the throttle halfway between the "SLOW" and "FAST" positions and push the choke lever forward to the "ON" position. Turn the ignition switch to the "start" position. Release the switch as soon as the engine starts.

4.3 Mowing Operation

Push the blade engagement lever forward to engage the blades. Pull back the blade engagement lever to disengage the blades. Before operating the power take-off, make sure that no one is near the mower deck and discharge area.

IMPORTANT: Set the throttle to the "midway" position. Push the blade engagement lever to the "ROTATE" position. Increase the throttle and begin mowing.

- Stop the blades: Set the throttle to the "midway" position, pull the mower blade engagement lever back to the "disengage" position to stop the blades.

 DANGER
POTENTIAL DANGER
The rotating blades under the mower deck are dangerous.
WHAT CAN HAPPEN
Contact with the blade can cause serious injury or death.
HOW TO AVOID THE RISK
• DO NOT put hands or feet under the mower or its deck when the blades are engaged.

 DANGER
POTENTIAL DANGER
An uncovered discharge opening will allow objects to be thrown in the direction of the operator or bystanders. Contact with the blade may also occur.
WHAT CAN HAPPEN
Thrown objects or contact with the blade can cause serious injury or death.
HOW TO AVOID THE RISK
NEVER mow with the discharge deflector raised, removed, or altered, unless there is a grass collection system or mulching kit in place and functioning properly.

4.4 Driving Operation

Squeeze the right and left steering lever handles and move the neutral locks to the lock position. Release the handlebar and select the speed by moving the shift lever from the neutral position to the desired speed. Press the steering levers to the right and left, release the locks, and then release the steering levers to move forward slowly. Press the right steering lever to turn right and the left steering lever to turn left.

4.5 Stopping the engine

Pull the blade engagement lever backward to the disengaged position to stop the blades. Squeeze the right and left steering lever handles and move the neutral latches to the lock position. Turn the key switch to the "OFF" position. Remove the key to prevent children or unauthorized persons from starting the engine. Close the fuel shutoff valve when the machine will not be used for several days, during transport, and when the machine is parked inside a building.

 WARNING
POTENTIAL DANGER
The engine may overheat.
WHAT CAN HAPPEN
Contact with a hot engine can cause severe burns.
HOW TO AVOID THE RISK
Allow the engine to cool completely before performing maintenance or repairs in the engine area.

5. MAINTENANCE AND ADJUSTMENTS

 WARNING
POTENTIAL DANGER
While performing maintenance or during adjustments, someone could start the engine.
WHAT CAN HAPPEN
Accidental engine starting could seriously injure you or bystanders.
HOW TO AVOID THE RISK
Remove the key from the ignition switch and disconnect the spark plug wire before performing any maintenance. Push the cable aside so it does not accidentally contact the spark plug.

5.1 PERIODIC MAINTENANCE

5.1.1 Check the engine oil level:

Maintenance interval: daily

- Make sure the machine is on a flat surface. Stop the engine, wait for all moving parts to stop, remove the key or disconnect the spark plug wire.
- Check when the engine is cold.
- Clean the area around the dipstick. Remove the dipstick and wipe off the oil. Reinsert the dipstick. Do not screw it in place. Remove the dipstick and measure the oil level.
- If the oil level is low, add oil to bring the level up to the "FULL" mark on the dipstick. Use oil as specified in the engine instruction manual.

IMPORTANT: DO NOT operate the engine with the oil level below the "LOW" or "ADD" mark on the dipstick or above the "FULL" mark.

5.1.2 Clean the engine air cooling system.

Maintenance interval: daily or more often in dry conditions

- Stop the engine, wait for all moving parts to stop, and remove the key.
- Clean all debris from the rotating engine air intake filter and from the engine shroud.

⚠ CAUTION
POTENTIAL DANGER
Excess debris can cause the engine and hydraulic system to overheat.
WHAT CAN HAPPEN
Excess debris around the engine cooling air intake and inside the pump compartment can create a fire hazard.
HOW TO AVOID THE RISK
Clean all debris around the engine and hydraulic pumps daily.

- Stop the engine, wait for all moving parts to stop, and remove the key.
- Clean all debris from the rotating engine air intake filter and from the engine shroud.

5.1.3 Clean the grass accumulated under the mower deck.

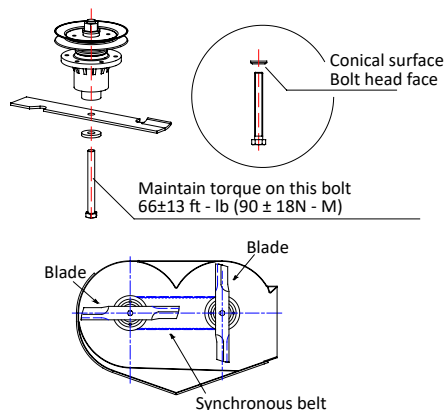
Maintenance interval: daily

- Stop the engine, wait for all moving parts to stop, and remove the key.
- Clean any grass buildup from the underside of the platform and in the discharge chute.

5.1.4 Check the mower blades.

Maintenance interval: daily

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- Raise the deck.
- Inspect the blades and sharpen or replace them if necessary.
- Reinstall the blades (if they have been removed) by placing a block of wood between the front or rear baffles and the blade; then tighten the blade bolts to 66 ± 13 ft-lb (90 ± 18 N-M). Make sure that the cone of the spring washer is installed facing the head of the bolt. (See FIG 6)



⚠ CAUTION
POTENTIAL DANGER
Operating a mower with loose or weakened blade bolts can be dangerous.
WHAT CAN HAPPEN
A loose or weakened blade bolt could cause a high-speed rotating blade to come out from under the deck, resulting in serious personal injury or property damage.
HOW TO AVOID THE RISK
- DO NOT lubricate the threads of the bolt or spindle before assembly. - Tighten the blade bolt to 66 ± 13 ft-lb (90 ± 18 N-M). - Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire before removing the blades.

5.1.5 Check the safety interlock system.

Maintenance interval: daily

Check the starting circuit:

- The ignition switch must be in the "ON" or "START" position.
- The transmission must be in neutral.
- The blade engagement lever must be disengaged to start the engine with the recoil starter.

Check the engine "shut-off" (flameout) circuit:

Remove your hands from the operator presence control lever when the engine is running and it should stop operating within 3 seconds.

NOTE: If the machine does not pass any of these tests, do not operate it. Contact the AUTHORIZED LOCAL SERVICE **Blue Bird Industries**. It is essential that the operator safety mechanisms are connected and in proper working condition before mowing.

5.1.6 Check for loose hardware.

Maintenance interval: daily

- Stop the engine, wait for all moving parts to stop, and remove the key.
- Visually inspect the machine for any loose hardware or any other possible issues. Tighten the hardware or correct the issue before use.

5.1.7 Check the air filter.

Maintenance interval: 50 hours

Check more frequently under severe conditions. Refer to the engine manual for further information

- Stop the engine, wait for all moving parts to stop, and remove the key.
- Loosen the retaining clips and remove the air filter compartment cover.
- Remove the paper element. Check the condition of the paper element. Replace if dirty, bent, or damaged.
- DO NOT wash or use compressed air to clean the paper element or the inner element.

5.1.8 Change the engine oil.

Maintenance interval: 100 hours

NOTE: Change the oil and filter after the first five (5) hours of operation.

- Stop the engine, wait for all moving parts to stop, and remove the key
- Drain the oil while the engine is warm from operation.
- Replace the oil filter every two oil changes. Clean around the oil filter and unscrew the filter to remove it. Before reinstalling the new filter, apply a thin layer of oil to the surface of the rubber gasket. Turn the filter clockwise until the rubber gasket contacts the filter adapter; then tighten the filter an additional $2/3$ - $3/4$ turn.
- Clean around the oil fill cap and remove the cap. Fill to the specified capacity and replace the cap. Use the recommended oil in the engine instruction manual. DO NOT overfill.
- Start the engine and check for leaks. Stop the engine and recheck the oil level.

5.1.9 Check the tire pressure:

Maintenance interval: 40 hours

Stop the engine, wait for all moving parts to stop, and remove the key.

- Check the drive tire pressure.
- Inflate the drive wheel tires to 12 psi (82.8 kPa).
- Check the caster wheel tire pressure.
- Inflate the tires to 25 psi (172.5 kPa).

5.1.10 Check the condition of the belts:

Maintenance interval: 40 hours

Stop the engine, wait for all moving parts to stop, and remove the key.

- Stop the engine, wait for all moving parts to stop, and remove the key.
- Check all belts.
- Remove the left and right deck belt guards and set them aside to inspect the belts.
- See sections 5.2.2, 5.2.2.1, and 5.2.3 for belt adjustment.

5.1.11 Lubricate the grease fittings:

- Maintenance interval: refer to the chart

Stop the engine, wait for all moving parts to stop, and remove the key. See FIG 7.

LUBRICATION CHART

FITTING LOCATIONS	FITTINGS TIMES	MAINTENANCE INTERVAL
1	1	50 hours
2	1	50 hours

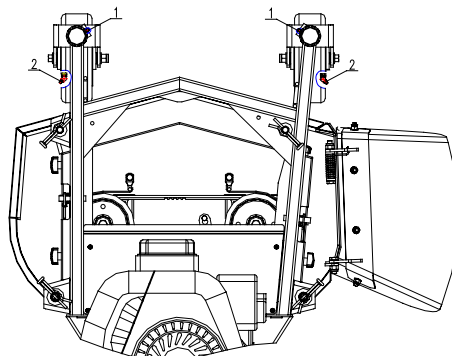


FIG 7.

5.2 ADJUSTMENTS

IMPORTANT: Disengage the power take-off, turn off the engine, wait for all moving parts to stop, and remove the key before performing maintenance, cleaning, or adjustments to the machine.

5.2.1 Cutting height adjustment.

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- Disengage the blade.

NOTE: When changing the cutting height position, always come to a complete stop and disengage the blade.

- Insert the height adjustment pin into the hole corresponding to the desired cutting height. See the decal on the deck lift plate. Move the lever from the transport position and down onto the height adjustment pin to mow at the selected height. See FIG 8.

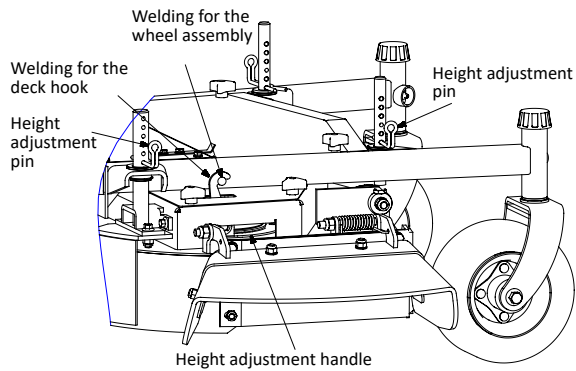


FIG 8.

5.2.2 Adjustment and replacement of the blade drive belt.

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- Remove the belt cover. Adjust the mower deck belt using a belt tension gauge. Engage the blade drive lever, tighten the mower belt, and adjust the belt so that it moves 0.6 cm with 4.5 kg of pressure. Adjust the tension by tightening or loosening the M10 nut. (See FIG 9).
- Insert the blade drive lever, loosen the nut, and pull the waist-shaped hole forward. Make sure the belt tension is adequate. (Apply a force of 1-2 kg to the tension side of the belt, the belt deflection is 7-9 mm) (See FIG 9)

5.2.2.1 Adjustment and replacement of the synchronous belt

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- Remove the blade drive belt according to the reference method 5.2.2, then loosen the nut on the idler pulley, take the synchronous belt off the axle pin, then install the new synchronous belt in reverse order. (See FIG 9)

5.2.2.2 Replacement of disc brake pads

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- Remove the belt cover, turn the shift arm, move the shift arm away from the pulley, remove the bolts and nuts, replace with a new brake pad, install the bolts and nuts, and make sure the blade brake pad points to the center of the pulley groove, then tighten the nut.

Test the blade brake system; the blade brake bearing can ensure that the rapidly rotating blades stop within 3 seconds. (See FIG 9)

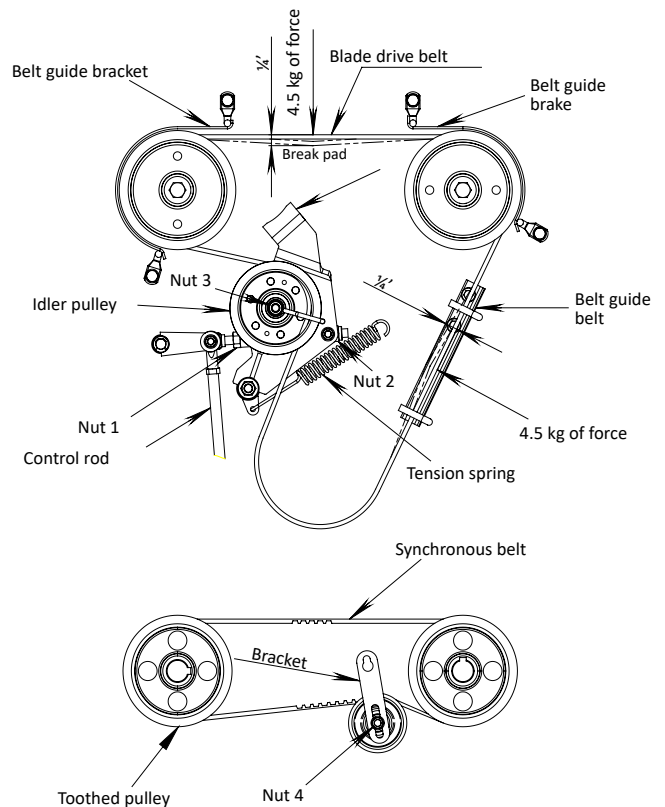


FIG 9.

5.2.3 Adjustment of the drive belt.

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- The drive belt is on the underside of the engine frame weld. Adjust the belt so that it moves 0.6 cm with 4.5 kg of pressure; adjust the tension by moving the drive idler pulley, then tighten all the nuts (see FIG 10)
- Loosen the nut on the drive belt tension pulley. Remove the tension pulley and the belt that needs to be replaced. Install the new belt, then install the drive pulley in reverse order. Adjust the belt according to the belt adjustment method, then tighten the nut. (See FIG 11)

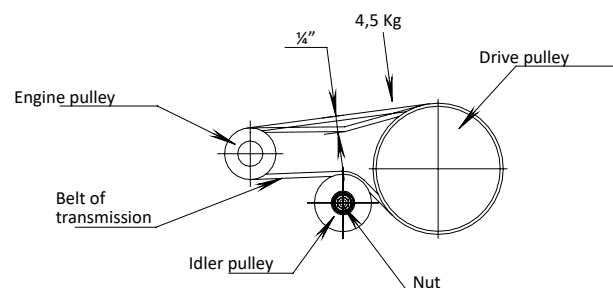


FIG 10.

5.2.4 Drive control adjustments

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- The drive control is a system of interconnected machine elements consisting of steering and brake functions, meaning that a steering lever applies to the neutral lock position of the latch or the neutral unlock position of the latch. When both steering levers are in the neutral lock position, the power is disengaged. To brake, adjust the brake lever and the control rod next to the mower with the same force.
- Control rod adjustment: Remove the pin on the top of the control rod, pull the control rod out of the steering lever, turn the control rod so that the length of the two control rods is the same, and reinstall all parts in the correct order. (See FIG 12)
- Brake force adjustment: Lift the shift rod to the left/right and lock it with the buckle. Turn nut 1 and nut 2 on the brake lever to compress the spring and obtain enough braking force. Then turn nut 1 again, making sure that a 1 mm gap is maintained between nut 1 and the rod end connector. (See FIG 11)

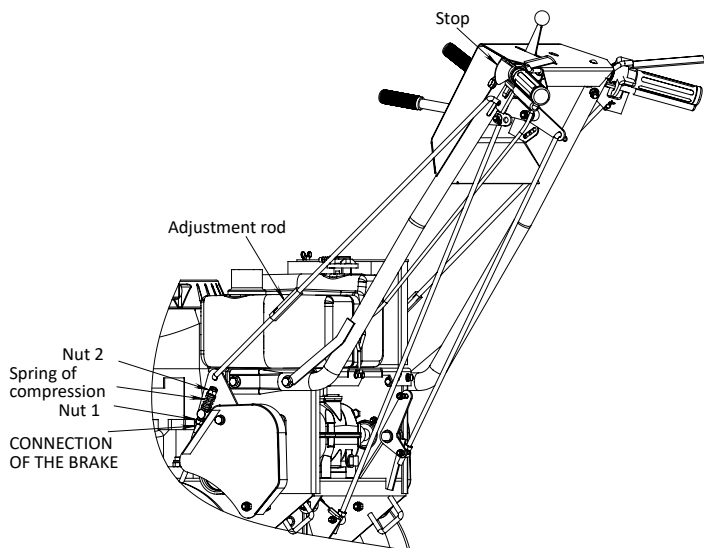


FIG 11.

5.2.5 Adjustment and replacement of the drive belt

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire

- When the mower pulls to the left or right or does not operate straight under normal conditions, the steering linkage on the left, right, or both sides must be adjusted. See FIG 12.
- Remove the bolt of the drive belt guard. Remove the belt guard. Lift the brake control rod to loosen the idler pulley. Remove the belt from the large pulley and the tire. Replace with a new belt. Reinstall all parts in reverse order.

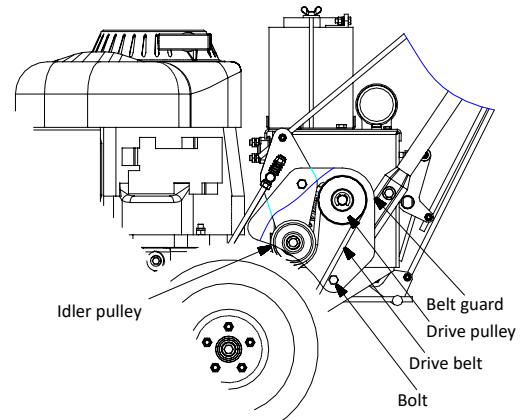


FIG 12.

5.2.6 Replacement of the transmission case

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- When replacing the transmission case, remove the M6x16 bolts that connect the left and right connecting bearings to the output shaft; then loosen the hex bolts of the inner shaft. Remove the lower hex bolts (3300106), which connect the transmission case and the console frame. Remove the bolt that connects the shift arm weld on top of the transmission box to the shift rod arm assembly. Remove the bolt (3300198) of the transmission input pulley. Remove the pulley and then remove the belt. Install the new transmission box in position. Reinstall the left and right connecting bearing bolts of the transmission case to the transmission output shaft; leave the bolts loose. Install and tighten the bolts (3300106) that connect the transmission case and the console frame. Install and tighten the shift arm weld bolt. Reinstall the drive belt and pulley and tighten the pulley bolt (3300198).

- Finally, tighten the M6×16 bolts of the left and right connecting bearing and the hex bolts of the inner shaft. (See FIG 13)

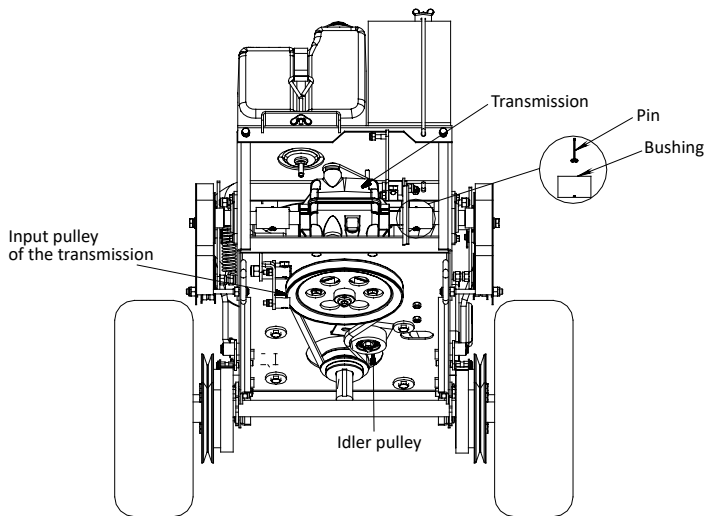


FIG 13.

5.2.7 Adjustment of the gear control rod

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- Move the gear control rod to the neutral position. The handle should press the pressure switch button down by 5 mm, otherwise the length of the rod should be adjusted. To change the length of the rod, remove the cotter pin from the upper assembly of the gear control rod. Remove the rod from the hole in the lever bracket. Rotate the rod until the desired length is reached to properly press the switch. Reinstall the rod into the hole in the lever bracket and add the cotter pin. (See FIG 14)

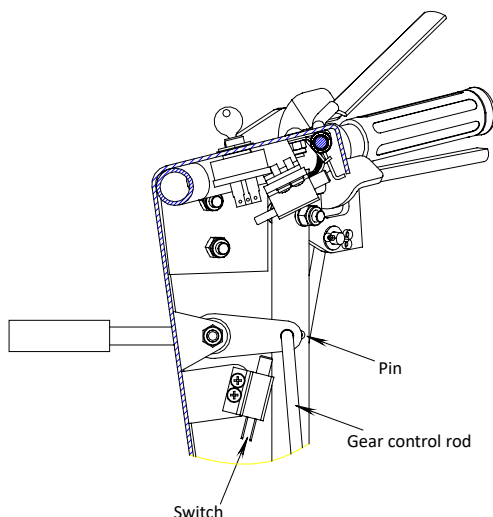


FIG 14.

5.2.8 Adjustment of the blade control rod

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- The blade handle must be in the engaged position. The handle must press the pressure switch by at least 5 mm, otherwise the length of the rod must be adjusted. To change the length of the rod, remove the cotter pin from the upper assembly of the blade control rod. Remove the rod from the hole in the lever bracket. Rotate the rod until the desired length is reached to properly press the switch. Reinstall the rod into the hole in the lever bracket and add the cotter pin. (See FIG 15)

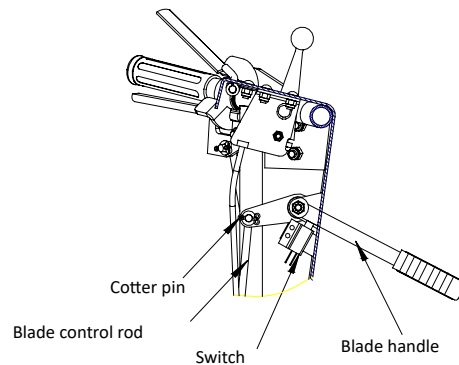


FIG 15.

5.2.9 Gearbox maintenance (oil change)

Maintenance interval:

- First maintenance: 80 hours.
- Subsequently: 300 hours.

Maintenance method:

- Stop the engine, wait for all moving parts to stop, and remove the key or disconnect the spark plug wire.
- Remove the oil cap and let the oil drain into an appropriate container.

NOTE: The engine oil in the gearbox must be completely drained.

- Tighten the oil cap.
- Tighten the filter.
- Use 18# gear oil, 0.25 liters, in the gearbox; use a funnel to fill.
- Install the filter in the gear case; tighten. Thoroughly clean the surface of the gearbox. (See FIG 16)

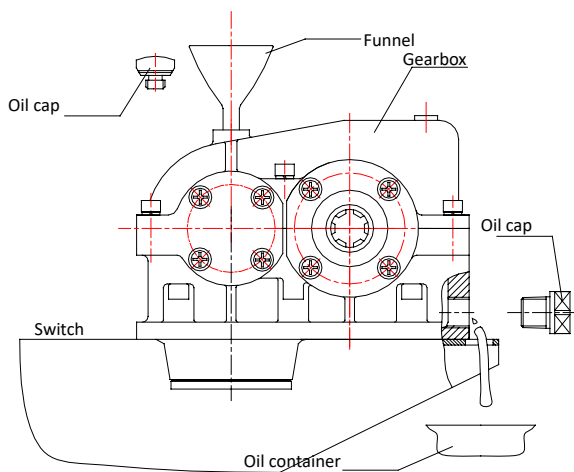


FIG 16.

6. TROUBLESHOOTING

6.1 THE MOWER PULLS TO THE LEFT OR TO RIGHT

Check the air pressure in the tires, 30 PSI (210 kPa).

6.2 THE MOWER CUTS UNEVENLY

- Check the air pressure in the tires; 30 PSI (210 kPa).
- Check the deck leveling.
- Check the blades from tip to tip to verify their straightness.

Note: The front of the mower deck will be about 0.3 - 0.6 cm lower than the rear of the deck; this is the “deck rake.”

6.3 THE ENGINE WILL NOT START

- Make sure there is fuel in the tank and that the fuel valve is open.
- Check that the blade drive is disengaged and that the ignition switch is in the “ON” position.
- Check that the spark plug wire is properly connected.
- Make sure the transmission is in neutral.
- Check that there are no loose or faulty connections.
- Check that there is no corrosion on any of the wiring connections. Even minor corrosion can cause a faulty connection. Thoroughly clean the connector terminals with an electrical contact cleaner, apply dielectric grease, and reconnect them.

NOTE: after carefully checking the steps described above, try to start the engine. If it does not start, contact your authorized dealer.

IMPORTANT: It is essential that all operator safety mechanisms are connected and in good working condition before using the lawnmower.

When a problem occurs, do not overlook simple causes. For example, starting problems may be caused by an empty fuel tank.

The following table lists some of the causes common to problems.

ENGINE TROUBLESHOOTING TABLE

Will not start	1		3	4	5	6	7	
Difficult starting	1	2	3	4	5	6	7	
Stops suddenly	1		3	4		6	7	8
Lacks power		2	3	4	5	6	7	8
Runs irregularly		2	3	4	5	6	7	
Makes noises		2				6		
Jams		2	3	4	5			
Backfires			3	4	5	6		
Overheats			3	4		6		8
High fuel consumption				4	5	6		

1→ NO FUEL

2→IMPROPER FUEL

3→DIRT IN THE FUEL LINE

4→DIRTY AIR FILTER

5→FAULTY SPARK PLUG

6→ENGINE OVERLOADED

7→CLOGGED FUEL FILTER

8→INCORRECT OIL LEVEL

7. BATTERY MAINTENANCE

⚠ WARNING

Battery electrodes, terminals, and related accessories contain lead compounds, chemicals known to cause cancer and reproductive harm

The machine is shipped with a charged lead battery without protection.

⚠ DANGER

POTENTIAL DANGER

Charging the battery can produce explosive gases.

WHAT CAN HAPPEN

Battery gases can explode causing serious injury.

HOW TO AVOID THE RISK

- Keep sparks, flames, or cigarettes away from the battery.
- Ventilate during charging or use of the battery in an enclosed space.

7.1 CHECK THE BATTERY

Check the battery voltage with a digital voltmeter. Find the battery voltage in the table below and charge the battery for the recommended time interval to bring the charge up to a full level of 12.6 Volts or higher.

IMPORTANT

Make sure that the battery's negative and positive cables are properly connected and that the charger used to charge the battery has an output of 16 volts and 7 amperes or less to avoid damaging the battery.

Chart 7.1.1

Voltage reading	Charge percentage	Maximum charger settings	Charging interval
12.6 or higher	100%	16Volt/7 ampere	No charging required
12,4-12,6	75%-100%	16Volt/7 ampere	30 minutes
12,2-12,4	50%-75%	16Volt/7 ampere	1 hour
12,0-12,2	25%-50%	14.4 Volts / 4 amps:	2 hours
11,7-12,0	0-25%	14.4 Volts / 4 amps:	3 hours
11.7 or less	0%	14.4Volts/2 amp	6 hours or more

CAUTION

POTENTIAL DANGER

If the ignition is in the "ON" position, there is a potential for sparks and ignition of components.

WHAT CAN HAPPEN

Sparks could cause an explosion or moving parts could accidentally engage, causing personal injury.

HOW TO AVOID THE RISK

Make sure the ignition switch is in the "OFF" position before charging the battery.

Note: if time does not allow for charging the battery, or if charging equipment is not available, connect the battery's negative cables and run the mower continuously for 20-30 minutes to sufficiently charge it.

- The battery contains sulfuric acid. Avoid contact and always protect your eyes, face, skin, and clothing from the battery. Cigarettes, flames, or sparks could cause the battery to explode.
- Do not charge or use jumper cables and do not adjust electrode connections without proper training.
- If battery acid comes into contact with skin or eyes, rinse with water and call a doctor immediately.
- Keep out of reach of children.

7.3 MAINTENANCE PERIOD

Maintenance interval:

Allowing the batteries to remain unused for a prolonged period without recharging will reduce performance and service life. To preserve optimal performance and battery life, recharge them when the open circuit voltage drops to 12 volts.

Note: to avoid damage due to freezing, the battery must be fully charged before storing it for winter storage.

a) Check the battery voltage with a digital voltmeter. Find the reading of the battery voltage in the table (see chart 7.1.1) and charge the battery for the recommended time interval to bring the charge to its maximum of 12.6 volts or higher.

IMPORTANT:

Make sure that the battery's negative and positive cables are properly connected and that the charger used to charge the battery has an output of 16 volts and 7 amperes or less to avoid damaging the battery.

7.2 CONNECT THE BATTERY CABLES:

Note: If the positive cable is also disconnected, first connect the positive (red) cable to the positive terminal of the battery, then the negative (black) cable to the negative terminal of the battery. Move the isolator start over the positive terminal.

Blue Bird Industries ("Blue Bird") guarantees that the mower, purchased from an authorized Blue Bird dealer, will be free from defects in material and workmanship for a period of two years commercial/residential from the original date of purchase (see details below). During the limited warranty period, Blue Bird will repair or replace, at its discretion, any mower or part thereof found to be defective in materials and workmanship.

This limited warranty specifically excludes parts subject to wear, including (but not limited to) belts, blades, and tires. This limited warranty also specifically excludes parts covered by another manufacturer's warranty, which are covered only by that manufacturer's warranty.

This limited warranty extends only to the original retail purchaser ("Owner") of a Lawn Mower.

This limited warranty cannot be assigned or transferred without the prior written consent of Blue Bird Industries. This limited warranty extends only to those lawn mowers purchased for private residential and commercial use. A lawn mower purchased for any other reason, such as for rental, will have a limited warranty of (90) days under the same terms and conditions set forth herein.

Proof of purchase will be required to support all warranty claims. All warranty work must be performed by an Authorized Blue Bird Dealer. Any work performed on the Lawn Mower by anyone other than an Authorized Blue Bird Dealer, including the original purchaser, voids all warranty provisions except those that limit Blue Bird's liability (as indicated below).

Any Lawn Mower or part thereof that, at Blue Bird's sole discretion, is deemed defective, will be repaired or replaced, at Blue Bird's discretion, at no charge for parts or labor for up to two years from the original date of purchase. To take advantage of this limited warranty, the Lawn Mower must be returned to an Authorized Blue Bird Dealer within the warranty period. **The cost of delivering the Lawn Mower to the Authorized Dealer and of its return delivery is the responsibility of the Owner.**

The sole liability of Blue Bird for any claim made under this warranty is limited only to the repair or replacement of the Lawn Mower or a defective part thereof, and no claim of breach of warranty shall be grounds for rescission, termination, or cancellation of the lawn mower sales contract.

This limited warranty does not extend to any Lawn Mower or part thereof that has been misused, neglected, damaged, abused, improperly installed or maintained, altered, or that has been used in any way contrary to the operating instructions as specified in the instruction manual.

This limited warranty does not extend to any repair or replacement made necessary by normal use.

This limited warranty does not extend to the engine, which is warranted separately by the engine manufacturer.

THE WARRANTY EXPRESSED HEREIN REPLACES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND IS IN LIEU OF ANY AND ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF BLUE BIRD.

UNDER NO CIRCUMSTANCES SHALL THE TOTAL LIABILITY OF BLUE BIRD TO THE OWNER FOR ANY AND ALL CLAIMS, LOSSES, OR DAMAGES, INCLUDING LOSS OF PROFITS, ARISING FROM ANY CAUSE, WHETHER ARISING FROM CONTRACT, NEGLIGENCE OR OTHER TORT, STRICT LIABILITY, BREACH OF WARRANTY OR OTHERWISE, EVER EXCEED THE PURCHASE PRICE OF THE LAWN MOWER.

IN NO EVENT SHALL BLUE BIRD BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES.

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

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

Blue Bird Industries Fabbrica Motori s.r.l.
Via Due Camini 19, 36010 Zané (VI), Italia

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

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

BLUE BIRD INDUSTRIES Fabbrica Motori srl
Via Due Camini 19,36010 Zané, Italia

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

LM 715 PRO – LM 815 PRO – LM 815E PRO

2000/14/EC (2005/88/EC) – Livelli di potenza sonora come da allegato VI – Sound Power Levels performed per annex VI	
TIPO	Livelli di Potenza Sonora Misurata / Livelli di Potenza Sonora Garantita LWA Sound Power Levels Measured / Sound Power Level Guaranteed LWA (dB)
LM 715 PRO	87.9/100
LM 815 PRO / LM 815E PRO	84.9/97

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

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

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

UNI EN 12100:2010 EN ISO 5395-1:2013/A1:2018 EN ISO 5395-2:2013/A2:2017

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



BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.
ZANE' (VI) – ITALIA 24 - 10 - 2025
The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – Ο ΠΡΟΕΔΡΟΣ - Prezes

VANDA VITELLA

(GB) Technical documentation maintained by
(F) Documentation technique maintenue par
(I) Documentazione tecnica conservata da
(DK) Teknisk dokumentation tilhørdhallen av
(FI) Teknisten asiakirjojen ylläpitäjä
(NO) Teknisk dokumentasjon vedlikeholdt av
(D) Technische Dokumentation aktualisiert durch
(E) Documentacion tecnica mantenida por
(NL) Technische documentatie onderhouden door
(P) Documentação tecnica mantida por
(SE) Teknisk dokumentation tillhandhallen av
(GR) τεχνικό φάκελο που τηρείται από

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

VANDA VITELLA



BLUE BIRD INDUSTRIES Fabbrica Motori s.r.l.

Via Due Camini, 19
36010 ZANÉ ITALIA

Tel. 0445 314138

Fax 0445 314225

www.bluebirdind.com