

OPERATION&PARTS MANUAL

EFFLAIL MOWER



Warning

Please bring this manual together with the machine so that you can refer to it at any time and follow it during actual usage. With the help of this manual, you can not only understand the performance of the lawn mower, but also master the correct and safe using method.

This manual is a permanent part of the lawn mower. Please keep it with the machine when selling and do not lose it. For safety reasons, children under the age of sixteen and people who are not familiar with this manual are not allowed to use.

With the upgrade and change of products, the manual will be revised without prior notice, and the company does not assume any responsibility.

Please keep this manual in a safe place.



Warning: Any incorrect use of the lawn mower is dangerous!



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Chapter 1 Introduction to safety regulations

1.1 Introduction

Before using this adjustable mower, please read and understand all the contents in the manual which will guide you to use the lawn mower correctly.

1.2 Safety signs

1		Note that before using this product, please read the instruction manual carefully and understand its meaning.
2		Note that read the operation manual before performing maintenance, turn off the tractor and tracking engine, remove the key, ensure that all parts stop rotating.
3		Keep away from the machine and do not approach the discharge port, otherwise the flying materials may cause personal injuries.
4		Do not open or remove the safety protective cover when the machine is running, otherwise arm may be involved in by the belt and cause safety accident.

5		Avoid collisions, stay away from the lifting range of the tow bar during operation.
6		Note that before using the tractor PTO, check and make sure that the output speed is 540 rpm.
7		High pressure in the hydraulic oil pipe. Maintain safe distance. Before performing maintenance operations, it must be ensured that the line has been previously depressurized and does not contain any thermal fluid.
8		Keep a safe distance from the machine when it is working or when the driving shaft is rotating, and it is forbidden to approach the driving shaft, otherwise body may be entangled causing personal injuries.
9		To prevent collisions, it is forbidden to stand within the swing range of the lawn mower.
10		Before entering the danger zone, lock the lifting hydraulic cylinder with a safety locking device to prevent squeezing.

11		Keep away from the machine to prevent hands from being scalded.
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1.3 Safety precaution

(1) Make sure that children, the elderly, and pets stay away from the machine when running.

(2) Before starting the machine, check and clean up all the debris in the mowing area.

(3) Make sure those who are not familiar with the safe operation of the lawn mowers stay away from the machine.

(4) Do not disassemble, repair, or debug the machine while it is running.

(5) Do not operate the machine when the safety device is damaged.

(6) Please wear safety gloves when checking or changing blades.

(7) Do not use a lawn mower to weed after taking dizzy drugs or drinking to avoid accidents.

(8) The installation and operation of parts should follow the manual, and only the original parts should be used.

(9) Even if the manufacturer has installed the parts of the lawn mower before purchasing, it is necessary to check again whether each part has been bolted tight before use.

1.4 Storage and transportation

(1) Please use the original packing to protect the machine during transportation.

(2) The lawn mower must be stored out of the reach of children.

(3) In rainy season, it is recommended to place the lawn mower in a place without rain.

(4) Please move the machine indoors in the snowy season.

(5) It needs to be lubricated with oil and grease again if the machine is not used for a long time.

(6) Keep away from fire.

(7) It is recommended to place the machine in a dry and dark area.

Chapter 2 Summary information

2.1 Main components

The mower mainly consists of three parts: gearbox, driving shaft and mowing roller.

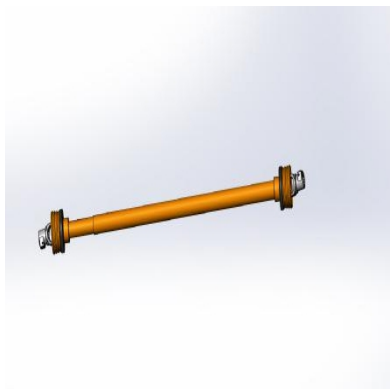


2.1.1 Gearbox



- ✓ Fill the gear oil according to the instruction mark before use.
- ✓ Do not touch it during use to prevent burns.
- ✓ Equipped with anti-reverse safety device.

2.1.2 Transmission shaft



Before use:

- ✓ Make sure the locking pin at the connection is well fixed.
- ✓ Add butter in time.

During use:

- ✓ Do not touch, prevent getting involved.



- ✓ Equipped with shearing safety device.

2.1.3 Mowing roller



Before use:

- ✓ Add butter in time.
- ✓ Make sure the connection between hammer claw and mower roller is not loose.

During use:

- ✓ It is strictly forbidden to approach and hit soil.

2.2 Technical Specifications

Models	Working width (mm)	PTO input speed (rpm)	Hammer blades (N.)	Recommended tractor (HP)	Rotor speed (rpm)	Shipped Weight (kg)
EF135	1350	540	22	30~80	2160	281
EF155	1550	540	24	40~100	2160	305
EF175	1750	540	26	50~100	2160	323

2.3 Main functions of the lawn mower

2.3.1 Offset function

The hanging position of the mower can be manually adjusted before using according to the requirements of the working area, so as to realize the mutual transformation of the horizontal position of the mower and the offset state, so as to achieve the mowing effect of higher coverage.

Chapter 3 Operation instructions

3.1 Check if the accessories are complete

(1) User manual (2) Transmission shaft (3) Main machine

3.2 Grassland clearing

Clear the weeding area and remove toys, stones, wire and other objects on ground.

3.3 Start the mower

(1) Check the gear box, drive shaft, suspension and mower rollers before operation to see if they are tightly installed and can operate normally.

(2) Manually adjust the mowing position.

(3) Start the engine.

- (4) Control the tractor lifting system for leveling.
- (5) Put into gear of working position.
- (6) Release the clutch.

3.4 Precautions for daily use

3.4.1 Lubrication

In order to achieve the maximum efficiency of the machine, please carry out oil lubrication and grease lubrication before use.

3.4.2 Cleaning the mower

- (1) Be sure to stop the engine before cleaning the mower for the blade will rotate if the engine is started.
- (2) Clean the grass, gravel and entanglement on the top and bottom of the mower.

3.4.3 Weeding height adjustment

- (1) To chop grass with a lawn mower, especially when cutting thicker or taller grass and branches, properly increase the height to avoid blockage of forage and branches. In addition, please slow down when breaking grass in a narrow place.
- (2) There are two positions for the height, the first is 1.5 cm set by the factory, and the second is 4 cm. It can be adjusted according to

the individual needs of grass scraping.

3.4.4 Blade replacement

- (1) Stop the engine.
- (2) Please wear gloves or wrap the blade in cloth to protect your hands when holding the blade with hand.
- (3) Lift up the main body of the mower.
- (4) Loosen the bolt that holds the blade.
- (5) Check and replace the damaged blade.
- (6) Insert the blade with the concave surface facing the tractor. If it is installed reversely, the blade will operate poorly and cause accidents.
- (7) Use the original washers and bolts to tighten the blade.
- (8) Tighten the bolts that fasten the blades, otherwise accidents will easily occur.

Chapter 4

Common abnormalities of product and the solutions

Problem	Possible causes and the solutions
Excessive vibration	1. Remove the blade and check the blade itself and blade balance as required. 2. Check whether the blade is bent or damaged, and

	replace it if any. 3. If the vibration continuous, send the mower to the authorized unit for repair.
Grass is not cleaned up	1. Clean the bottom of the mower. 2. Check the damage of the blade and replace it as needed. 3. It is recommended to replace the original blades every year. 4. Adjust the tractor lifter to make sure the machine is placed horizontally. 5. Adjust the high and low gears of the tractor and confirm that the input is 540 rpm.
The blade shaft stops working	1. Remove foreign objects at the blade shaft. 2. Damaged bearing seat, bearing or oil seal of bearing seat; clean up foreign objects; repair and replace if necessary. 3. Ensure that the pulley is locked well. 4. Check whether the transmission belt is damaged or displaced, and replace or adjust if necessary. 5. Send the lawn mower to an authorized unit for repair and check whether the gearbox is damaged. 6. Check whether the driving shaft is damaged and replace it if necessary. 7. Check whether the output shaft of the tractor is damaged, and send the tractor to a repair unit for repair.

The V belt is damaged frequently	1. Use a ruler to check whether the vertical direction of the upper and lower pulley is aligned, and adjust it accordingly. 2. Check whether the bearing of tensioning wheel is damaged, and replace it if necessary. 3. Adjust the high and low gears of the tractor and confirm that the input is 540 rpm.
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Chapter 5 After-sales services

5.1 Product liability

We must clearly point out that according to the relevant product liability law, the company will not be responsible for any damage to the equipment caused by improper maintenance, replacement of non-original parts, replacement of parts without the approval of the company, repair operation are performed by non designated service center or by unauthorized professionals. This statement also applies to the warranty of equipment spare parts and auxiliary parts.

5.2 Warranty items

This product has a 1-year warranty (from the date of purchase). The warranty covers all serious equipment failures with the premise that such failures are caused by poor material or manufacturing

quality. For the equipment within the warranty period, we can provide repair services for free as long as the following conditions are met:

- ✓ The operation method of the equipment is correct and complies with the provisions of this operation manual.
- ✓ Neither the purchaser nor any unauthorized third party has performed or attempted to repair the equipment.

Mowing blade, V belt, oil seal and other parts are easy to wear, so they are not covered by the warranty.

The above manufacturer's warranty liability does not affect the user's existing warranty rights from the distributor / wholesaler.

If there is a failure in the lawn mower equipment you purchased, please send the failed machine, warranty card and purchase invoice to the maintenance service center listed on the warranty card.

Please refer to the warranty card for other matters.



WARRANTY

Please keep it properly.

Please show this card if warranty service needed.

All models of products have passed strict quality control. If you have any questions about the purchased product or the equipment needs to be repaired, please contact your dealer or call the after-sales service number. We will provide the fastest service through the most perfect after-sales service system in the country.

Product warranty

From the date of purchase, all products have a one-year product quality warranty. Due to any problems in materials or manufacturing technology, we guarantee free maintenance and provide long-term maintenance service!

This guarantee does not cover the following situations:

- Counterfeit products! Please identify the authenticity of this product before purchase.
- Damage caused by other non designated repair centers.
- Damage caused by improper use, alteration or modification.
- It is not used according to the instructions.

Product model:

Serial number:

Purchase date: day month year

Dealer's stamp

*Make agriculture more efficient and
farmers more hopeful !*

