

Skid Steer Forestry Mulcher Operation Manual



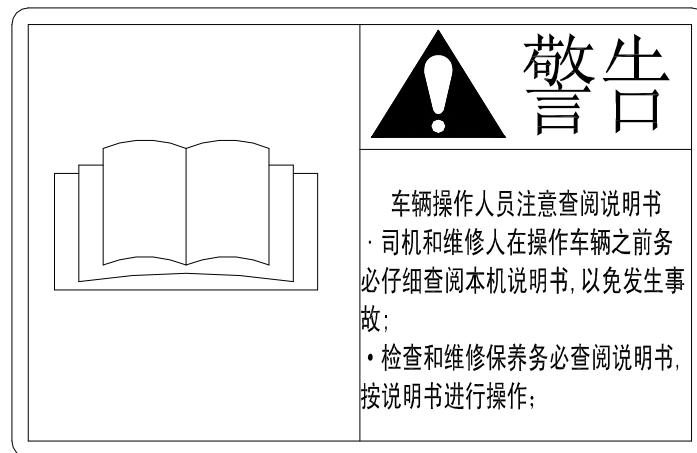
Security Warning

Before using skid steer loader accessories, please read the following carefully to avoid harm to yourself and others due to improper operation of the machine.

1. When the loader is equipped with accessories for normal work, no one is allowed to stand under the big arm, and no overloading, super high or speeding is allowed.
2. Before installing accessories, check whether the oil connection on the accessories is reliable and whether the bolts in the connection parts are locked. If any problem is found, it should be handled in time to avoid oil leakage and air leakage in the oil circuit.
3. When the loader is working normally, it is not allowed to disassemble and repair the accessories.
4. When the fittings work, all kinds of oil connections are normal, try not to disconnect and connect the hydraulic oil, etc., so as to avoid oil ejection to human eyes, skin and other damage.
5. When installing and disassembling various accessories, the big arm of the loader should be slowly placed to the lowest place that can ensure disassembly, and do not disassemble and replace various accessories when the big arm is raised high, so as to avoid injury caused by the big arm falling.
6. When attaching equipment, the human body, clothes, jewelry, etc. should be kept away from the high-speed rotating parts, hot parts and oil circuits attached to the equipment to avoid injury to people.

Warning

1. The driver of loader must read this operation manual carefully before using the equipment, and be familiar with the structural identification, technical performance, use requirements, technical operation and maintenance of this equipment.



The user shall not arbitrarily disassemble or modify the auxiliary equipment provided by the company. If the structure of the machine needs to be changed due to the work, the technical department of the company shall be notified in time and can be carried out under the guidance of the company's technical personnel.

Introduction

1. In order to help users understand the structure of the sliding loader, master the operation technology, and be able to work normally and reliably, we have written this manual, which briefly describes the general knowledge in the use, repair, maintenance, etc., for users' reference. Operators must read this manual carefully before use.

2. The user shall use the product and perform maintenance, adjustment and overhaul according to the product performance specified in this manual.

Due to the continuous improvement of the machine structure in practice, the actual structure may be inconsistent with the content described in this operation manual. Unless we modify it in time, please refer to the actual structure attached to the loader.

3. When the company's products leave the factory, they are inspected strictly according to the corresponding standards to ensure the quality of the products, from the date of the factory for 6 months, under the conditions of normal use and storage, where the mechanical failure or normal use due to manufacturing quality problems occurs, the company is free to repair or replace the user.

Forestry Mulcher User Manual

1. Main operating parameters

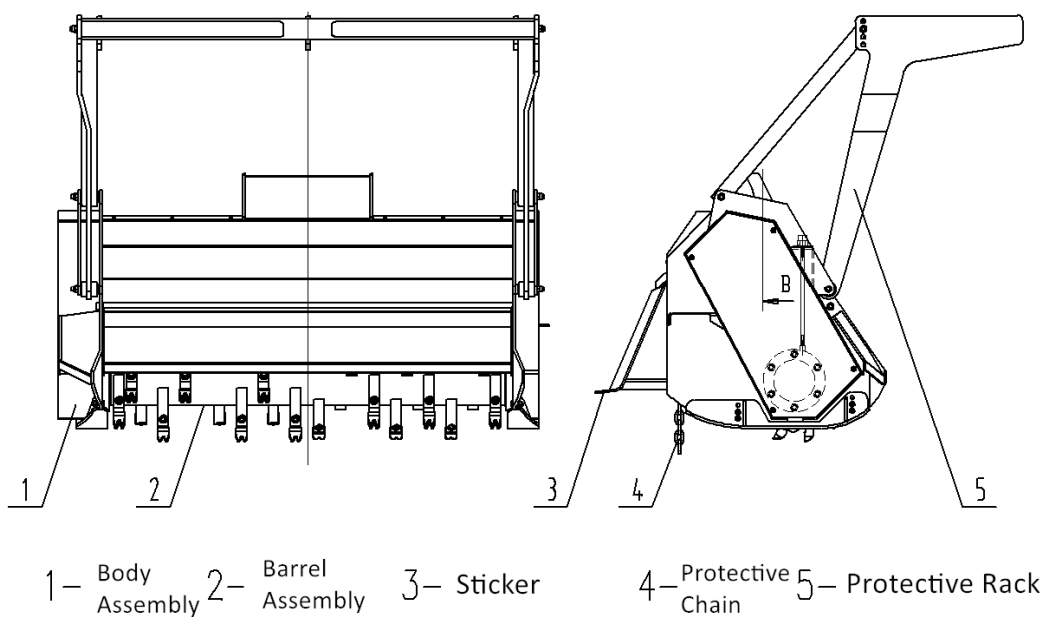
Model	FM72	FM84
Whether the cutter head is replaceable	Replaceable	Replaceable
Weight	1250	1380
Working width	1680mm	1830mm
Working pressure	14-21MPa	14-21MPa
Working flow	80-120L	80-120L
Overall dimensions	2210x1447x1645mm	2434x1447x1645mm
Maximum diameter of tree that can be broken	200mm	200mm

2. Blurb

The Forestry Mulcher is a professional equipment installed on the skid steer loader, which is specially used for crushing wood, plant residues, tree stumps and roots on the ground and underground, as well as shrubs and small vegetation on forestry land and agricultural land. The equipment has the advantages of wide use, high working efficiency, easy operation and simple maintenance. At the same time, it should be noted that this equipment can only be used in the open air, in any case, it must

maintain an absolutely safe distance from personnel, roads, residential buildings, etc., for the workplace that does not meet the use of this equipment and is not suitable for the use of this equipment, it will cause serious damage to the equipment.

Schematic Diagram



3. Use precautions

3.1 When the machine is working, the object shall not be placed on the machine to avoid hurting people or objects after being thrown out.

3.2 Before starting the machine, check whether the controller and parts are good.

3.3 When the machine is operating, it is strictly prohibited to pass or stay in front of the machine. Under no circumstances for any reason, touch the rotating knife roll with hands or feet or hold objects.

3.4 When the machine is operating, it is strictly forbidden to put any tools or items into the body of the machine.

3.5 When the machine needs on-site maintenance due to failure, the engine of the skid steer machine should be closed, so that the skid steer machine can stop in the flat site, and ensure that the skid steer machine is stationary before continuing the maintenance operation. When removing the cutter roll of the machine, there should be someone outside to monitor it.

3.6 When the machine is working, it is necessary to ensure that on-site personnel, children or animals are away from the working range of the equipment, because in the work, stones or other small objects may be thrown out by the rotating tooth knife.

3.7 If the material needs to be crushed very fine, you can manipulate the advance and retreat of the glide machine, so that the knife of the machine rolls on the material that needs to be crushed many times through.

3.8 Before the work of the machine, it is necessary to carefully and carefully evaluate the work site, there shall not be too much stone protruding from the ground, there shall not be cables, there shall not be

metal objects protruding from the ground, there shall not be large pits or extremely steep bumps, etc. If you must carry out the crushing operation, you must carefully operate the equipment to avoid damage to the machine as far as possible. For the site with more stones, as far as possible to avoid the stone thrown out, and often check the wear of the tooth knife, if the damage is particularly serious, it should be replaced in time.

3.9 In the following cases, do not recommend the use of this equipment:

3.9.1 In the case of a large number of stones on the ground;

3.9.2 Where there are large blocks of rock (not easily broken) and not easily found on the ground;

3.9.3 In the presence of steel cables or similar objects, which may wind the tool roll and prevent the tool roll from rotating, causing damage to the transmission system;

3.9.4 The diameter of the material to be crushed shall not exceed ¹⁰ the item value in the "Technical parameters" table; The hydraulic oil flow and hydraulic oil pressure provided by the skid steer machine are far less than the predetermined value, or far more than the predetermined value, in this case, forced work may damage the performance of the equipment.

3.10 Before using the machine to work, please carefully check whether the hydraulic system connection between the frontier machine and the skid steer machine is correctly fastened, and no accidental connection should be disconnected. Ensure that all the locking pins and mechanical coupling devices connected to the skid steer machine are assembled normally, and the corresponding bolts, cotter pins, springs, etc. are in normal fastening state.

4. The working sequence of the machine:

4.1 Operate the skid steer machine to ensure that the machine is placed flat on the ground and lifted slightly from the ground.

4.2 By operating the control handle and controlling the hydraulic system, ensure that the motor keeps a low speed to start the knife roll slowly.

4.3 After the tool roll reaches the normal speed, keep the hydraulic output unchanged and let the skid steer machine advance at a uniform speed. At this time, the machine starts to work normally.

4.4 When working normally, it should pay attention to observation, and pay attention to whether there is abnormal noise or vibration. If there is any abnormal situation, it must stop and deal with it in time.

4.5 When the machine needs to perform transfer operation or change the working position, the machine should be stopped and lifted completely from the ground. The working arm

of the skid steer machine should be lifted upward and kept at a certain distance from the ground before the position can be transferred.

Transportation or transfer during normal operation of the machine is strictly prohibited.

5. Possible problems and solutions

Faults	Causes	Remarks
Excessive vibration of equipment during operation	1. One or more toothed knives are broken or missing	Replace the tooth cutter
	2. The rotation speed of the knife roll is too high during the working process	Make sure the hydraulic oil flow provided is the same as the required flow value
	Wear the blades unevenly	Replace the tooth cutter
	Roller unbalance	Contact the manufacturer
The knife roll does not rotate at the proper speed	There is not enough hydraulic oil flow	Make sure the hydraulic oil flow provided is the same as the required flow value
	Drive belt slips	Check and, if necessary, replace
Equipment with a "jump" to stop or work	There may be anomalies in the work area such as wire ropes or cables or steel ropes	Handle it in time to avoid entangling rope and other abnormal objects on the roll of the knife
The knife will not roll	No hydraulic oil flows into the motor	Check to make sure the hydraulic oil is feeding properly
	Belt wear	Replacement belt
Chop unevenly, or the material does not chop	Knife roll speed is too low	Adjust the equipment
	The underside of the trailblazer is not the right distance from the ground	Adjust the equipment
	Excessive speed	Adjust the equipment
	Excessive wear of the rack inlaid in the box	Contact the manufacturer
The hydraulic control action of the device does not work	The hydraulic system line is faulty	Check and replace if necessary

6 Clean up the machine after work

6.1 After the work is finished, clean up the tree debris, dirt and ¹³ other debris left on the machine in time, clean up the sediment on the outer surface, pay special attention to clean the key parts such as the two ends of the knife roll, the area near the butter nozzle, and the hinged pin hole.

6.2 Use rags and brushes to dry clean as much as possible, and avoid cleaning with metal utensils.

6.3 If cleaning is done with clean water, it must be wiped or allowed to dry, and the lubrication points should be lubricated.

7. When not placed for a long time, pay attention to:

7.1 Ensure that the outer surface is clean and clean;

7.2 Lubricate the parts that need to be lubricated;

7.3 Place it in a dry and clean place as far as possible, ensure that the bottom of the machine is a certain distance from the ground, and avoid soaking the equipment after rain.

7.4 Cover the equipment with tarpaulin or plastic sheet as far as possible. Keep it away from direct sunlight.

8 Replace the toothed knife

8.1 This equipment is equipped with high quality carbide tooth ¹⁴ cutter.

8.2 Tooth knife life is certain, once beyond the service life, must be

replaced in time, usually these teeth knife wear passivation is very obvious, with the naked eye can observe and judge, found serious wear teeth knife, timely replacement, so as not to affect the work efficiency.

8.3 If the welding cutting alloy blade on the surface of the tooth cutter is loose, broken or falls off, it must be replaced in time.

8.4 The user is strictly prohibited from applying any coating, surfacing tooth tips or repairing the blade on the surface of the tooth cutter by welding or similar processes. If similar processes are necessary, the user can communicate with the manufacturer and handle according to the manufacturer's comments.

8.5 The user is strictly prohibited to purchase a toothed cutter that is not specified by the manufacturer and replace it by itself.

8.6 When replacing the tooth cutter, the bolts that need to be screwed in need to use 750 cows. The torque of m is tightened and can be replaced with a torque wrench.