



Wifo Farm Equipment Ltd.
4181 Boomer Line
St Clements, Ontario, N0B 2M0
Phone: 519-699-5658
Fax: 519-699-5655
Toll Free: 1-800-390-4752
E-mail: sales@wifo.ca
www.wifo.ca

PARTS AND OPERATORS MANUAL

RA-48 to RA-84 Hydraulic Power Rake

RMS 48 Mini Skid steer mount power rake



Features

- All rotating points have bearings.
- Complete with hydraulic hoses and quick connectors.

Available Models

RMS48 Hydraulic Drive Mini Skid steer mount

RA-48 Hydraulic Drive Skid steer Mount

RA-60 Hydraulic Drive Skid steer Mount

RA-72 Hydraulic Drive Skid steer Mount

RA-84 Hydraulic Drive Skid steer Mount

INTRODUCTION

With your purchase of the Wifo Hydraulic Power Rake you have made the right choice for making your landscaping easy. Through its unique construction it requires minimal maintenance.

Before using your Power Rake read this manual carefully to familiarize yourself with this machine. Operating unfamiliar machines may lead to accidents.

This Operator's manual has been written to assist you in obtaining the best possible results from your Power Rake. Keep this Manual in a safe and dry place so you can always use it as a reference booklet whether it is for looking up parts or contact info. If any questions should remain, however, you can contact your local dealer who will gladly assist you.

A Complete Parts break down is available upon request from Wifo Farm Equipment or you can download it from our website at <https://wifo.ca/manuals.html>

1.SAFETY PRECAUTIONS

seat belt to drive and apply the park brake prior to leaving the seat. Also avoid sudden maneuvers and change of direction.

- Comply with federal and local laws governing highway safety on public roads using the proper lights and a slow moving vehicle sign
- When in use, never stand within operating range of the Power Rake and never have someone or yourself go under a raised loader arm.
- Strictly operate the Power Rake From your skid steer or tractors driver's seat and make sure you have a good view on your job.
- Make sure the Power Rake can move freely and do not jam any hydraulic hoses.
- ***WARNING!*** the hydraulic circuit operates under high pressure, make sure that the hydraulic systems of both your Power Rake and Skid steer are depressurized before connecting any hoses between the two.
- Clearly label or tag the hydraulic fittings of the Power Rake and Skid steer to avoid incorrect connection, which may lead to invert functions such as raising and lowering
- Make sure that your hydraulic hoses do not get jammed during operation and never operate the Power Rake with a hydraulic hose that has been damaged, regularly check all hydraulic hoses and replace any worn or damaged ones immediately. When replacing hoses, use only replacements compliant to original technical specifications.

- Take all possible precautions to avoid accidents when inspecting the skid steer and Power Rake for hydraulic leaks. (such as applying park brakes)
- Remember that liquids under pressure, and especially oil, can penetrate the skin and cause serious injury. Consult a doctor immediately to prevent infection in case of injury.
- Always park on a flat and solid surface for storage.

Safety Decals

- Ensure all safety decals are always on the Power Rake, Safety inspection can not be completed with missing safety labels, in the event of missing safety decals, contact your nearest dealer or Wifo Farm Equipment Toll Free 1-800-390-4752



4. MAINTENANCE

Minimal maintenance is required for the Wifo Power Rake, but the following requirements must be strictly followed.

- It is equipped with grease nipples that should be greased regularly.
- Tightness of bolts and nuts and the wear on all hydraulic components must be checked periodically. Any worn parts have to be replaced immediately.

In case you have to replace a part, make sure that it is a genuine Wifo part which can be obtained through your dealer. (Visit our website to find a Dealer or contact Wifo Farm Equipment Toll Free 1-800-390-4752)

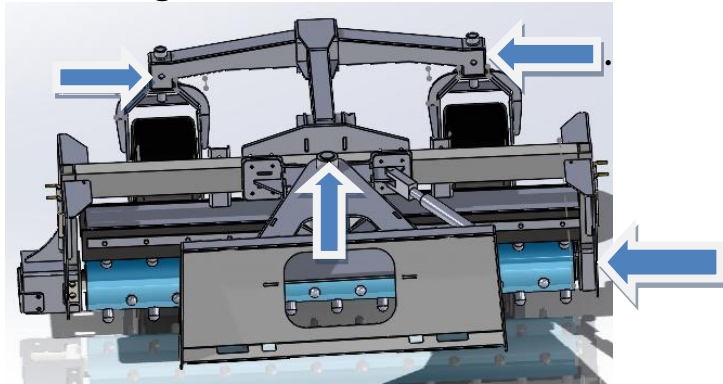
A Complete Parts brake down is available upon request from Wifo Farm Equipment or you can download it from our website at

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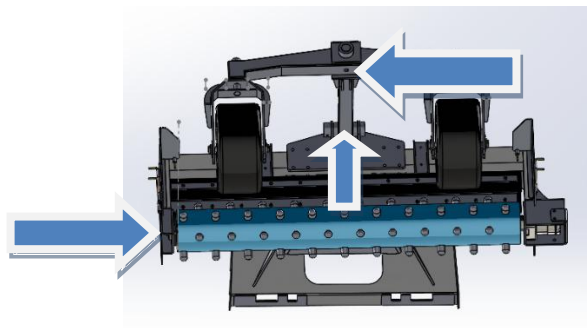
Greasing and Maintenance

All pivot points and bearings on the power rake have grease able inserts. All below Arrows Indicate where the grease points are.

Sitting in the skid steer view

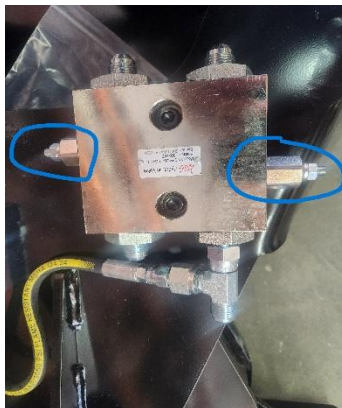


Front of power rake bottom



Hydraulic And presetting Valves

Cross over relive valve can be adjusted for more or for less if there seems to be not enough power while the drum is engaged in the ground or if the power seems to aggressive. If the power is to aggressive then it will cause the key way to shear that is inside the drum on the motor side which attaches the motor to the drum



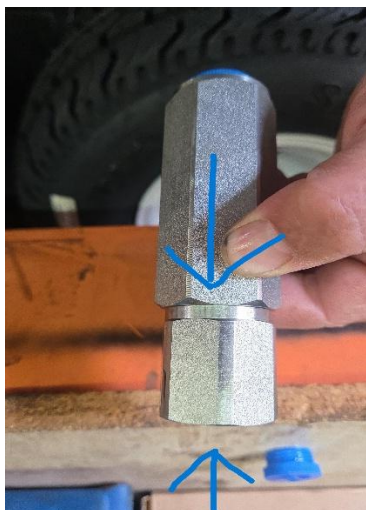
To adjust the cross over relive valve turn the 2 set screws in the above picture circled in blue. Turn tighter for more pressure and loosen for less pressure.

If your power rake comes with a hydraulic angle set up but with out a case drain then it will have a sequencing valve that puts back pressure into the line where the angling valve is teed off to create more power to run the angle. You will notice that while the drum is turning in the one direction it will go a bit slower but your angle will have more power. But when it is turning in the opposite direction then the drum will turn faster but the angling will not work as well. If the drum is turning to slow and the angling is to aggressive then you can adjust the sequencing valve that is in the pressure line. These sequencing valves are only used on the power rake models RMS where we remove the case drain as some mini skid steers will not have a case drain.

There are 2 styles of Sequencing valves on these power rakes and both can be adjusted. If the angling seems to be to aggressive and the drum is turning to slow then you can release the back pressure a bit follow instructions bellow.



Picture 1



Picture 2



Picture 3

Inline sequencing valve Pictured Above

This valve is positioned on top of the drive motor seen in picture 1 and has an interior set screw seen in picture 3. In picture 2 is the groove on the inline valve this groove needs to be installed towards the motor in the direction of the arrow. On the end with the groove and on the inside of the valve there is a set screw to tighten or loosen for more pressure towards the angle or less pressure towards the angle the less pressure you have towards the angle the more you have on the drum.

External Sequencing valve



This external Sequencing valve is positioned right after the cross over relive valve on top of the power rake. This valve also needs to be adjusted to your skid steer. This valve is adjusted by the screw circled in blue in the above picture this also gives more pressure to the roller and less to the angle in one direction and less to the motor and more to the angle in the other direction.