RUT MFG

Full Product Line Owners Manual

RUT MFG

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Excavator Brush Mower

Specs:

- 2 Blade Cutting System
- 3/16” Deck Thickness
- ⅝” AR400 Steel Blades
- Direct Drive unit
- Rated to cut up to 2” diameter material
- Motor and Bearing Housing are paired up to match the flow on your machine
- Can be built for 10-25 Gallons Per Minute

Brush Eliminator

Specs:

- 2 Blade Cutting System
- Direct Drive unit
- Motor and Bearing Housing are paired to match the flow of your machine
- ¼” Deck Thickness
- ⅝” AR400 Steel Blades
- Rated to cut up to 4” diameter material
- Protective motor cover
- ⅛” Square tubing reinforcements
- Can be built for 10-25 Gallons Per Minute

Tree Slayer

Specs:

- 3 Blade cutting system
- Available carbide tipped mulching teeth add-on
- Direct drive unit
- Motor and Bearing housing are paired to match the flow of your machine
- ¼” Deck thickness
- ⅝” AR400 Steel Blades
- Rated to cut up to 6” diameter material
- Protective Motor Cover
- Square Tubing Reinforcements
- Can be built for 10-60 Gallons Per Minute
- Serrated Edge on the back of the cutter

Excavator Mini Mulcher

Specs:

- Direct drive unit
- 1 ⅛” Quadco Outside Mulching Teeth
- Carbide tipped bottom mulching teeth
- Motor and bearing housing are paired to match the flow of your machine
- ¼” Deck thickness
- Rated to cut up to 7” diameter material
- Protective motor cover
- Square tubing reinforcements
- Can be built for 10-20 Gallons per minute
- Serrated edge on the back of the cutter

Excavator Auger

Specs:

- Planetary Drive
- 2” Hex Bit
- Min/Max Flow - 15/30 GPM
- Max Continuous PSI - 3000 PSI
- Max Intermittent PSI - 3500 PSI
- Max Diameter Dirt/Rock - 36”
- Speed Output (15 GPM) - 55 RPM
- Speed Output (20 GPM) - 55 RPM
- Speed Output (15 GPM) - 55 RPM
- Speed Output (15 GPM) - 55 RPM

Excavator Root Rake

Specs:

- 1” Thick Tines
- A572 Steel
- 1 ½” x 1” Tine Support Bar
- 4” Square Tubing
- Custom Spacing

Skid Steer Brush Mower

Specs:

- 2 Blade Cutting System
- 3/16” Grade 50 Steel Deck
- ¼” Reinforced Deck Sides
- ½” Straight Push Bar
- 1” Thick Blade Holder
- ½” by 3 5/16” by 17 ⅞” Hardened Steel Blades
- Quick Attach Plate is ⅜” Grade 50 Steel
- Direct Drive unit
- Motor and bearing Housing are paired to match your machine's flow.
- Can be built for 10-27 Gallons Per Minute
- Rated to cut 4” diameter material

Terminator Brush Cutter

Specs:

- 3 Blade cutting system
- ¼” Deck Thickness
- ⅝” AR400 Steel Blades
- Blades have a cutting edge on both sides
- Comes with replaceable skid shoes
- Direct Drive Unit
- The motor and bearing housing are paired to match your machine’s flow
- Can be built for 10-27 Gallons Per Minute
- Rated to cut 6” diameter material
- ¾” Triangle shaped blade holder

Terminator XP

Specs:

- 4 Blade Cutting System
- ¼” Deck Thickness
- ⅝” AR400 Steel Blades with a cutting edge on both sides
- Comes with replaceable skid shoes
- Direct Drive Unit
- The motor and bearing housing are matched to the flow of your machine
- Can be built for 17-45 Gallons Per Minute
- Rated to cut 7” diameter material

Gladiator

Specs:

- 4 Blade Cutting System
- Available in High Flow and Low Flow
- Eskridge 132 bearing housing for low flow
- Eskridge 252 bearing housing for high flow
- ⅜” Deck Thickness
- ½” Reinforcement plates on deck sides
- 1” Thick Blade Holder
- Carbide Tipped Mulching Teeth
- Replaceable Skid Shoes
- Large Pressure Gauge
- Direct Drive Unit
- Bent Axis Piston Motor
- Motor and bearing housing are matched to your flow
- Can be built for 10-45 Gallons Per Minute

Annihilator

Specs:

- Direct Drive unit
- Driven by bent axis piston motor
- 2” Quadco Mulching Teeth
- 1” Thick Blade Holder
- Cuts up to 14” Diameter Material
- Large Pressure Gauge
- Can be Built for 17-50 Gallons Per Minute
- Motor and bearing housing are paired to match the flow of your machine.
- ⅜” Deck Thickness
- Replaceable Skid Shoes
- 1” Thick Push Bar
- ⅜” Protective Motor Housing

Skid Steer Auger

Specs:

- Planetary Drive
- 2” Hex Bit
- Min/Max Flow - 15/30 GPM
- Max Continuous PSI - 3000 PSI
- Max Intermittent PSI - 3500 PSI
- Max Diameter Dirt/Rock - 36”
- Speed Output (15 GPM) - 55 RPM
- Speed Output (20 GPM) - 55 RPM
- Speed Output (15 GPM) - 55 RPM
- Speed Output (15 GPM) - 55 RPM

Skid Steer Root Rake

Specs:

- 1” Thick Tines
- A572 Steel
- 1 ½” x 1” Tine Support Bar
- 4” Square Tubing
- Custom Spacing

Consumable Parts

Tree Slayer / Brush Eliminator / Brush Mower Blades - $50 a blade
Tree Slayer / Mini Mulcher Carbide Tipped Mulching Teeth - $15 a Tooth
Mini Mulcher Quadco Outside Mulching Teeth - $15 a tooth
Excavator Pin Set - $100
Mini Mulcher Outside Tooth Holder - $35 a piece

Skid Steer Brush Mower Blades - $45 a piece
Terminator / Terminator XP / Gladiator Blades - $65 a piece
Terminator XP / Gladiator Carbide Tipped Mulching Teeth - $15 a piece
Skid Steer Brush Mower Blade Bolt & Nut Combo - $40 a piece
Skid Steer Disc Mulcher Outside Tooth Holder - $75 a piece
Skid Steer Disc Mulcher Top/Bottom Tooth Holder - $45 a piece

Frequently Asked Questions

Why does my cutter make a loud noise when starting and stopping?

When starting and stopping the cutter can make an extremely loud noise. This is nothing to be worried about. All it is is the hydraulic oil running through the relief valves. That noise that you hear is the relief valves fluttering open and shut and it is completely normal.

Why does my excavator cutter slow down when I track?

On an excavator, everything pulls from the same hydraulic pump. When making any kind of movement that requires the use of hydraulic power, especially tracking, it will pull fluid from the cutter and direct it towards the movement you are making. This will starve the cutter of oil and cause it to slow down.

What do I do if my cutter is turning slow or in the wrong direction?

If your cutter is running slow or in the wrong direction, this could be due to several things. First, make sure you are running at full throttle to give the cutter your full amount of auxiliary flow. If it is still slow you will want to check your PSI and make sure it isn't turned down. If your cutter is turning in the wrong direction this can be due to the relief valves being backwards. It's about a 50/50 chance of getting this right on your cutter since every machine can be plumbed differently. Depending on how your cutter is set up it could be as simple as swapping two relief valves or even swapping the two couplers on the end of the hoses. The best way to get to the bottom of this would be to give us a call at 336-859-0328 since every cutter is built differently.

Maintenance

Maintenance on these cutters couldn’t be any more simple. The bearing housing is an oil bath bearing housing filled with 80-90W gear oil. That means there are no grease points on the cutter. You can keep an eye on your oil level with the plugs on the top of the bearing housing. Other than that, the only real required maintenance is to keep an eye on the bolts and make sure they stay tight after every use. We take what measures we can to ensure this, but anything experiencing repeated vibrations will loosen up over time.

Proper Usage Tips

- When using your cutter make sure that you are running at full throttle.
- When trying to cut grass with a skid steer cutter you will need to ease into the material and then back drag to clean the cutter out and stop it from clogging up.
- Give the cutter time to speed up before trying to cut with it. Without giving the cutter time to reach peak rpm's you will bog down when you hit any material.
- If your cutter comes with a third hydraulic line, this is the case drain. This cutter will have to have that case drain line hooked up when running or you will blow the motor.
- When operating an Excavator Mini Mulcher or Tree Slayer, you must run your machine in "Hammer Mode". Without doing this it will blow the motor on the cutter.
- When using your cutter keep an eye out for wires and vines. We have taken what measures we could to protect the output shafts of the bearing housings from vines and wires, but it isn't foolproof. You will still need to keep an eye out to make sure nothing gets wrapped up around that shaft and blows the seal out.

Annihilator Disc Mulcher Usage Guide

The key to running the Annihilator Disc Mulcher is high RPM speed without the excess of pressure. Let the momentum of the heavy mulching disc do the work. **A good operating pressure is between 1,700 and 2,500 PSI**. If you're in thin material and your PSI is low, you can approach with more speed and aggression. On most skid steers, hydraulic pressure is set between 3,000 and 3,600 PSI. When you start getting into this range on the mulcher, back out of the material and let your mulcher spin back up. As the speed increases you should notice a drop in PSI on the mulchers pressure gauge. I have found it is best to run the Annihilator in **Detent** mode on your hydraulics. Your speed setting should either be in "**Turtle**" or "**Creep**".

When trying to take out a 4" diameter tree, approach with the right side of the mulcher where the chute is located. Go into the tree with the mulcher flat. Once you get into the tree and make the initial cut, tilt the mulcher back to feed the tree into it.

When cutting into a tree or stump, speed is your friend. If you go into the tree slow, you will most likely cause the mulcher to bog down. When you go through it quickly, it allows the momentum of the mulching disc to perform properly and make the cut. To back drag, keep the mulcher on the ground with the heel elevated to leave finer/smaller debris left over on the job site.

It will take several hours of trial and error to perfect this method of operation. Be patient and don't approach larger material until you are comfortable and confident in running the unit without stalling.

To get a better idea and visualization of this process, please see our youtube channel for videos on the Annihilator Disc Mulcher in action.

https://www.youtube.com/RutMfg