

# UltraShred Sales & Service, LLC

## Authorized Service Center Manual



# Theory

**Generation 1**

**Generation 2**

**Generation 3**

# Operation

1. Walk around before start-up
2. Start-up
  - Gen 1
  - Gen 2
  - Gen 3

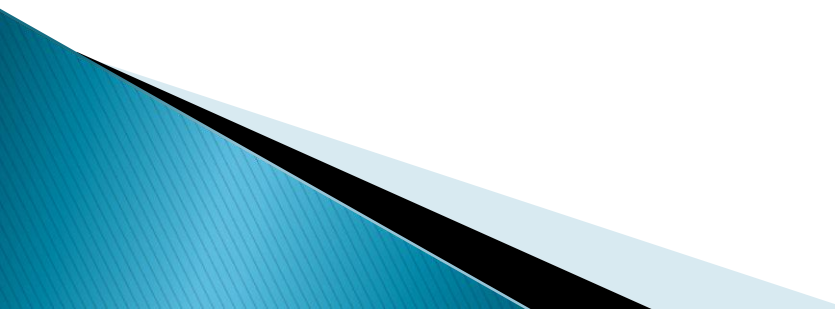
# Maintenance

1. Lube Charts
  2. Inspections
  3. Belt Inspection & Replacement
  4. Tensioner Rebuild
  5. Hammer Replacement
  6. Bearing Replacement
  7. Feed Door & Springs
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# Hydraulics

1. Function of each valve
2. Manifold
3. Disassemble a valve
4. Trouble shooting

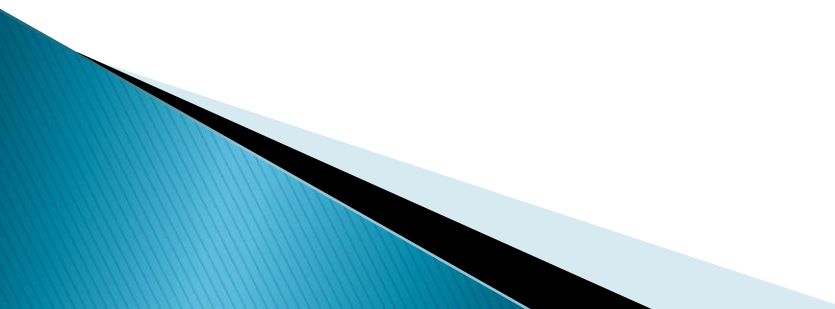
# Electrical

1. Difference between all generations
  2. T/S Gen 1
  3. T/S Gen 2
  4. T/S Gen 3
  5. Difference between RAHCO & LAM wiring
  6. Wiring Diagrams
    - a. Gen 1
    - b. Gen 2
    - c. Gen 3
  7. Flow Charts
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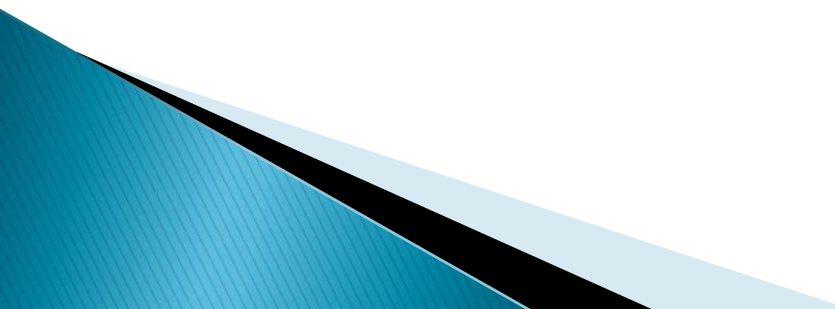
# Programming

1. Engine Parameters
2. Plus-One Parameters
3. Reprogramming – requires CG150 communication cable and laptop (\$239.13)

# Mechanical Drive Components

1. PTO's
  2. 90-degree gear box
  3. Tensioners
  4. Packer gear box
  5. Auger drive
  6. Belts, pulleys and bearings
  7. Driveline
  8. Torque arms
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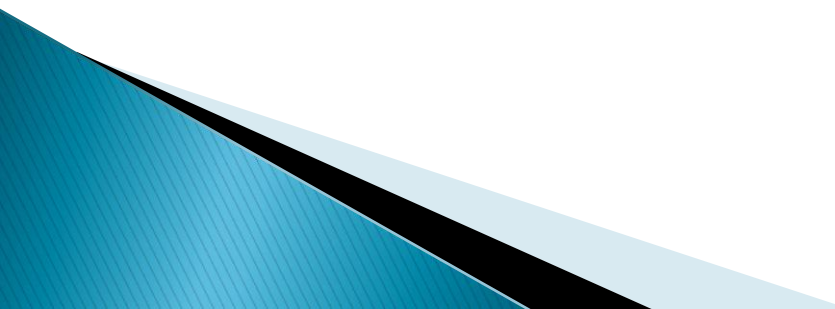
# Lift

1. Lift Function
  2. T/S lift problems
  3. The different lift switch
  4. How to install lift switch and wiring
  5. Lift maintenance: lube, chain adjustment
  6. Different lift faces and how to set them up
  7. Upper motor versus lower motor
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# Dust Control

1. Maintenance: Lube, chaulking
2. Feed seal
3. Swiper: How to adjust
4. Feed rubber & springs
5. How to adjust fan speed
6. Fan function and controls

# Feed

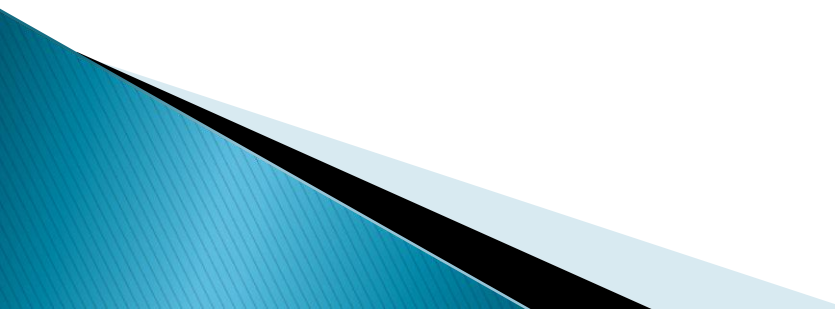
1. Feed components
  2. Feed controls
  3. Feed adjustment
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# Major Components

## 1. Rotor Assembly

- a. Problems
- b. Removal & repairs
- c. Hammers & pins
- d. Vibration issues

## 2. Packer Assembly

- a. Old style versus new style
  - b. Replacement
  - c. Repairs: Fins, shaft
  - d. Comb: Repair & maintenance
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# Unloader

1. Mat versus Keith Walking Floor
  2. Operation
  3. Trouble shooting
  4. Repairs
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