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INTRODUCTION

Thank you for purchasing the Patriot Equipment Cake Feeder! The cake feeder unit has been designed and tested to give you numerous years of productive service. This Cake Feeder is designed to be placed on a flatbed truck or a utility vehicle of proper size. The purpose of this cake feeder is to provide a means to feed supplements to livestock. All product users must read and understand this manual prior to equipment operation. This manual is considered part of your machine and should remain with the machine at all times. Do not allow anyone to operate or maintain this equipment who has not fully read and understood this manual. Failure to follow the recommended procedures may result in personal injury, death or equipment damage.

Information in this manual is designed to help owners and operators to obtain the best results and safe operation from their investment. The life of any machine depends largely on the care it is given and we suggest that the manual should be read and understood and referred to frequently. If for any reason you do not understand the instructions and safety requirements, please contact your authorized dealer. The intent of this manual is to provide guidelines to cover general use and to assist in avoiding accidents and injuries.

There may be times when circumstances occur that are not covered in the manual. At those times, it is best to use common sense and contact your authorized dealer or our factory.

The requirements of safety cannot be emphasized enough in this publication. We urge you to make safety your top priority when using and maintaining the equipment. We strongly advise that anyone allowed to operate this equipment be thoroughly trained and tested to prove they understand the fundamentals of safe operation.

Some photographs, diagrams, or illustrations in this manual may show doors, guards, and shields opened or removed to aid in clarity and understanding of a particular procedure.

All guards, shields, and safety devices must be in their proper position prior to operation.
Safety

Read and understand this manual and all safety signs before operating and maintaining this piece of equipment. Review the safety instructions and precautions annually.

THIS SAFETY ALERT SYMBOL IS FOUND THROUGHOUT THIS MANUAL AND IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

ATTENTION!
BECOME ALERT!
YOUR SAFETY IS INVOLVED!

SAFETY SIGNAL WORDS

Note the use of the signal words DANGER, WARNING, and CAUTION with the safety messages. The appropriate signal word for each has been selected using the following guidelines:

**DANGER:** Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

**WARNING:** Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

**CAUTION:** Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.
GENERAL SAFETY GUIDELINES

Safety of the operator and any bystanders is one of the main concerns in designing and developing a new piece of equipment. Designers and manufacturers build in as many safety features as possible. However, every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, or for you, follow them.

Replace any CAUTION, WARNING, DANGER, or instruction safety decal that is not readable or is missing immediately. Location of such decals is indicated in this booklet.

Do not attempt to operate this equipment under the influence of drugs or alcohol. Do not use the equipment if alertness or coordination is impaired.

Review the safety instructions with all users annually.

This equipment is dangerous to children and persons unfamiliar with its operation. The operator should be a responsible adult familiar with farm machinery and trained in this equipment’s operations. Do not allow persons to operate or assemble this unit until they have read this manual and have developed a thorough understanding of the safety precautions and how the piece of equipment works.

Do not read, eat, drink, talk, or text or use a mobile phone while using this equipment.

Do not paint over, remove, or deface any safety signs or warning decals on your equipment. Observe all safety signs and practice the instructions on them.

Never exceed the limits of a piece of equipment. If its ability to do a job or to do so safely is in question - DON’T TRY IT.

Stay clear of any moving parts, such as shafts, couplings, and universal joints.

If adjustments need to be made, make them in small steps, shutting down all motions for each adjustment.

Do not allow anyone to ride on any part of the equipment for any reason.

Assure that all bystanders are at a safe distance before operating or maintaining this equipment.
Specifications

Power: 1.2 HP, 12VDC, 900W Electric Motor

**KF-250**

- Capacity: 250 lbs. Cracked Corn

**Dimensions**
- 24" x 60 5/6" x 34 13/16"
- Mounting Holes: 2 1/4" x 34 1/8" x 34 1/8"

**KF-500**

- Capacity: 500 lbs Cracked Corn

**Dimensions**
- 24" x 60 5/6" x 44 13/16"
- Mounting Holes: 2 1/4" x 34 1/8" x 34 1/8"
**KF-750**

Capacity: 750 lbs Cracked Corn

**KF-1000**

Capacity: 1000 lbs Cracked Corn
Capacity: 1500 lbs Cracked Corn
Capacity: 2000 lbs Cracked Corn

Mounting Holes
SAFETY SIGN LOCATIONS

Safety Sign locations are shown below.

REMEMBER: If Safety Signs have been damaged, removed, become illegible, or parts replaced without decals, new decals must be applied. New decals are available from your authorized distributor or factory.

SAFETY DECAL CARE

- Keep safety signs clean and legible at all times.
- Replace safety signs immediately that are missing or have become illegible.
- Replaced parts that displayed a safety sign should also display the current sign.
- Safety signs are available from your Distributor or Dealer Parts Department or the factory.

How to Install Safety Signs:
- Be sure that the installation area is clean and dry.
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portion of the split backing paper.
- Align the decal over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of decal backing paper.
Cake Feeder Decals

**DANGER**
ROTATING AUGER
DO NOT ENTER

TS4011

**WARNING**
Do not start, operate or service machine until you read and understand operator's manual. Failure to do so could result in serious injury.

TS2017

**DANGER**
KEEP COVERS IN PLACE WHILE MACHINE IS IN OPERATION.

TS2000

**DANGER**
KEEP AWAY WHILE MACHINE IS IN OPERATION TO REDUCE POSSIBILITY OF SERIOUS PERSONAL INJURY.

TS2003

TS4012

TS4013
PERSONAL PROTECTIVE EQUIPMENT

- Wear protective clothing and equipment appropriate for the job, such as safety shoes, safety glasses, hard hat, appropriate gloves and ear plugs.
- Clothing should fit snug without fringes or pull strings to avoid entanglement with moving parts.
- Prolonged exposure to loud noise can cause hearing impairment or hearing loss. Wear suitable hearing protection such as ear muffs or earplugs.
- Operating equipment requires the operator’s full attention. Avoid wearing radio headphones or earbuds while operating equipment.

BEFORE OPERATION

- Carefully study and understand this manual.
- Do not wear loose-fitting clothing which may catch in moving parts.
- Always wear protective clothing and appropriate shoes.
- Give the unit a visual inspection for any loose bolts, worn parts or cracked welds, and make necessary repairs. Follow the maintenance safety instructions included in this manual.
- Be sure that there are no tools lying on or in the equipment.
- Do not use the unit until you are sure that the area is clear, especially children and animals.
- Don’t hurry the learning process or take the unit for granted. Ease into it and become familiar with your new equipment.
- Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.

DURING OPERATION

- Children should never be allowed on the equipment.
- Never carry riders or allow children to operate equipment.
- Clear the area of small children and bystanders before moving the equipment.
- Beware of bystanders, particularly children! Always look around to make sure that it is safe to start the engine of the carrying vehicle or move the unit. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.
- **NO PASSENGERS ALLOWED** - Do not carry passengers anywhere on, or in, except as required for operation.
- Keep hands and clothing clear of moving parts.
- Always keep all shields and guards in place and securely fastened.
- Do not clean, lubricate, or adjust your equipment while it is moving.
- When halting operation, even periodically, set the carrying vehicle brakes, shut off the engine, and **remove the ignition key**.
- Be especially observant of the operating area and terrain - watch for holes, rocks, or other hidden hazards. Always inspect the area prior to operation.
  - **DO NOT** operate near the edge of drop-offs or banks.
  - **DO NOT** operate on steep slopes as overturn may result.
Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.

**HIGHWAY AND TRANSPORT OPERATIONS**

- Adopt safe driving practices:
  - Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an emergency stop to be safe and secure. Keep speed to a minimum.
  - Reduce speed prior to turns to avoid the risk of overturning.
  - Avoid sudden uphill turns on steep slopes.
  - Always keep the vehicle in gear to provide engine braking when going downhill. Do not coast.
  - Do not drink and drive!

- Use approved accessory lighting flags and necessary warning devices to protect operators of other vehicles on the highway during daylight and nighttime transport. Various safety lights and devices are available from your dealer.

- The use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.

- Plan your route to avoid heavy traffic.

- Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.

- Be observant of bridge loading ratings. Do not cross bridges rated lower than the gross weight at which you are operating.

- Watch for obstructions overhead and to the side while transporting.

- Always operate equipment in a position to provide maximum visibility at all times. Make allowances for increased length and weight of the equipment when making turns, stopping the unit, etc.

- Pick the most level possible route when transporting across fields. Avoid the edges of ditches or gullies and steep hillsides.

- Be extra careful when working on inclines.

- Maneuver the tractor or towing vehicle at safe speeds.

- Avoid overhead wires or other obstacles. Contact with overhead lines could cause serious injury or death.

- Avoid loose fill, rocks, and holes; they can be dangerous for equipment operation or movement.

- Allow for unit length when making turns.

- Never leave running equipment attachments unattended.

- As a precaution, always recheck the hardware on equipment following every 100 hours of operation. Correct all problems. Follow the maintenance safety procedures.
**FOLLOWING OPERATION**

- Following operation, or when unloading, stop the vehicle, set the brakes, disengage all power drives, shut off the engine, and remove the ignition keys.
- Store the unit in an area away from human activity.
- Do not permit children to play on or around the stored unit.
- Make sure all parked machines are on a hard, level surface and engage all safety devices.

**PERFORMING MAINTENANCE**

- Good maintenance is your responsibility. Poor maintenance is an invitation to trouble. Proper servicing and adjustments are key to the long life of any implement. With careful inspection and routine maintenance, costly downtime and repairs can be avoided.
- Some parts and assemblies can be quite heavy. Before attempting to unfasten any part or assembly, arrange to support it by means of a hoist, by blocking or by use of an adequate arrangement to keep it from falling, tipping, swinging, or moving in any manner which may hurt somebody or damage the equipment.
- Always use lifting equipment that is adequately rated to do the job. Never lift equipment over people.
- Make sure there is plenty of ventilation. Never operate the engine of the towing vehicle in a closed building. The exhaust fumes may cause asphyxiation.
- Before working on the equipment, stop the towing vehicle, set the brakes, disengage the PTO and all power drives, shut off the engine, and remove the ignition keys.
- Be certain all moving parts on attachments have come to a complete stop before attempting to perform maintenance.
- Always use the proper tools or equipment for the job at hand.
- Use extreme caution when making adjustments.
- Never replace hex bolts with less than grade five bolts unless otherwise specified.
- After servicing, be sure all tools, parts and service equipment are removed.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. The manufacturer will not claim responsibility for use of unapproved parts and/or accessories and other damages as a result of their use.
- If equipment has been altered in any way from original design, the manufacturer does not accept any liability for injury or warranty.
- If repairs require the use of a torch or electric welder, be sure that all flammable and combustible materials are removed.
- Do not weld or cut on any tank containing oil, fuel or their fumes or other flammable material, or any container whose previous contents are unknown.
- Cleaning solvents should be used with care. Petroleum based solvents are flammable and present a fire hazard. Don't use gasoline. All solvents must be used with adequate ventilation and their vapors should not be inhaled.
Think, Plan, and Check.

Think through the entire procedure and identify all the steps that are required.

Plan what personnel will be involved, what needs to be shut down, what guards need to be removed, and how (and under what conditions) the power will be restarted.

Check the machine over to verify all power sources and stored energy have been identified including engines, hydraulic and pneumatic systems, springs and accumulators, and suspended loads. Shut off and lockout power before adjusting, servicing, maintaining, or clearing an obstruction from this machine. Failure to heed may result in serious injury or death. Communicate with everyone involved in a repair or maintenance operation, including bystanders, that work is being done which involves keeping this machine safety at a ZERO ENERGY STATE.

OSHA’s requirements for lockout/tagout are covered in Section 1910.147 of the OSHA standards. The LOTO standard establishes the employer's responsibility to protect workers from hazardous energy. Employers are required to train each worker to ensure that they know, understand, and are able to follow the applicable provisions of the hazardous energy control procedures:

- Proper lockout/tagout (LOTO) practices and procedures safeguard workers from the release of hazardous energy. The OSHA standard for The Control of Hazardous Energy (Lockout/Tagout) for general industry, outlines specific action and procedures for addressing and controlling hazardous energy during servicing and maintenance of machines and equipment. Employers are also required to train each worker to ensure that they know, understand, and are able to follow the applicable provisions of the hazardous energy control procedures. Workers must be trained in the purpose and function of the energy control program and have the knowledge and skills required for the safe application, usage, and removal of the energy control devices.

- All employees who work in the area where the energy control procedure(s) are utilized need to be instructed in the purpose and use of the energy control procedure(s) and about the prohibition against attempting to restart or reenergize machines or equipment that is locked or tagged out.

- All employees who are authorized to lockout machines or equipment and perform the service and maintenance operations need to be trained in recognition of applicable hazardous energy sources in the workplace, the type and magnitude of energy found in the workplace, and the means and methods of isolating and/or controlling the energy.

- Specific procedures and limitations relating to tagout systems where they are allowed.

- Retraining of all employees to maintain proficiency or introduce new or changed control methods.

OSHA outlines a six-step procedure for controlling hazardous energy:
Step 1: Prepare for shutdown. It must be determined what type of power system is going to be deactivated including electrical, hydraulic, pneumatic, or other energy sources. Knowledge of shut down methods is necessary.

Step 2: Shutdown the equipment. This should be completed consistent with the manufacturer’s instructions for the shutdown procedure and could be a simple as placing a switch in the “off” position or pressing a button.

Step 3: Isolate the equipment. This step involves closing of valves, throwing the main disconnects or circuit breakers and disconnecting or capping any auxiliary power sources or secondary electrical systems.

Step 4: Apply the lockout/tagout device. This is done to prevent restoration of the flow of energy and is done at all disconnect switches, valves, or other energy isolating devices. Locks are the preferred method of controlling energy and should be supplemented with tags. Various lockout devices are available including group lockout hasps. Locks should be individually assigned and have only one key.

Step 5: Control the stored energy. This step includes the release, disconnect or restraint of any residual hazardous energy which may be present and a check that all moving parts have stopped moving. It may also include the installation of “pancakes” or blanking of pipe flanges, the installation of ground wires to discharge electrical capacitors and the blocking or supporting of elevated equipment.

Step 6: Verify isolation of equipment. Double-check the steps and verify that the equipment indeed has been shut down and that the lock and tag do control the stored energy. Employees should be warned and the system tested, including pressing of all start buttons to assure that the equipment will not start.
OPERATION

Before Operating

- Inspect inside the hopper and around the outside of the Cake Feeder for foreign objects. If any are found, remove them from the Cake Feeder.
- Be sure that all shields are in place, the battery is fully charged, and that all bolts or fasteners are tightened.
- Route the Remote Switch to the operator control area.
- Test the system for correct operation by running the system while the Cake Feeder is empty. The auger should turn easily and the door to the chute should open with the mechanism.

Transporting

- When transporting the Cake Feeder, check to make sure the locking strap is in place to prevent the lid from opening during transport due to the wind.

Caution! Do not put hands into a plugged auger when there is pressure on the system. Serious injury could result.

Operating

- Fill the Cake Feeder with the desired amount of feed or grain product.
- Place the chute in the operating position.
- Turn on the main power switch.
- Activate the electric motor with the remote switch.
MAINTENANCE

The Cake Feeder is simple to maintain and care for.

- Clean the Cake Feeder out when finished with use. Never use the Cake Feeder as a long term storage area for feed. It could create a corrosive environment and lead to premature wear on the machine.
- Failure to clean the Cake Feeder routinely may cause a buildup of spoiled feed, which may become compacted or frozen and may cause damage to the Cake Feeder.
- Maintain the battery with the correct acid level and the correct charge.
- Clean the outside of the Cake Feeder and repaint areas that are chipped or worn.
- Keeping the Cake Feeder cleaned and painted will help to prolong the usefulness of this product.
- Replace decals as they wear or become unreadable.
- Lubricate bearings every 50 hours of use.
## TROUBLESHOOTING

| Auger will not turn | 1. Check for obstruction in auger – clean if necessary  
|                    | 2. Check fuses – replace if bad  
|                    | 3. Is battery completely charged – charge battery  
|                    | 4. Is battery hooked up correctly  
|                    | 5. Is main power switch in the “On” position  
|                    | 6. Has the switch for the remote been depressed |

## ASSISTANCE

If you have questions not answered in this manual, or require additional copies, or the manual is damaged, please contact your dealer or:

Minden Machine Shop, Inc.  
PO Box 356  
1302 K Rd  
Minden, NE 68959  
800-264-6587
Torque Data for Standard Nuts, Bolts, and Capscrews

Tighten all bolts to torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt chart as guide. Replace hardware with some grade bolt.

Note: Unless otherwise specified, high-strength Grade 5 hex bolts are used throughout assembly of equipment.

### Bolt Torque for Standard Bolts

<table>
<thead>
<tr>
<th>Bolt Size A</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
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<tbody>
<tr>
<td></td>
<td>lb-ft</td>
<td>(N.m)</td>
<td>lb-ft</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>6</td>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>5/16&quot;</td>
<td>10</td>
<td>13</td>
<td>18</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>20</td>
<td>27</td>
<td>30</td>
</tr>
<tr>
<td>7/16&quot;</td>
<td>30</td>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>45</td>
<td>60</td>
<td>75</td>
</tr>
<tr>
<td>9/16&quot;</td>
<td>70</td>
<td>95</td>
<td>115</td>
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<tr>
<td>5/8&quot;</td>
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<td>150</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>165</td>
<td>225</td>
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</tr>
<tr>
<td>7/8&quot;</td>
<td>170</td>
<td>230</td>
<td>420</td>
</tr>
<tr>
<td>1&quot;</td>
<td>225</td>
<td>300</td>
<td>630</td>
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### Bolt Torque for Metric Bolts

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<tr>
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<th>Class 8.8</th>
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<th>Class 10.9</th>
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<tr>
<td></td>
<td>lb-ft</td>
<td>(N.m)</td>
<td>lb-ft</td>
</tr>
<tr>
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<td>9</td>
<td>13</td>
<td>10</td>
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</tr>
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<td>45</td>
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</tr>
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<td>12</td>
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<td>24</td>
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<td>886</td>
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Torque figures indicated are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

Grade or Class value for bolts and capscrews are identified by their head markings.
Parts Diagrams
Fastener Locations

DETAIL A

DETAIL B

DETAIL C

DETAIL D
# Cake Feeder Fasteners

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
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<td>16</td>
<td>B5/16x1</td>
<td>Hex Bolt</td>
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<tr>
<td>4</td>
<td>32</td>
<td>W5/16F</td>
<td>Plain Washer</td>
</tr>
<tr>
<td>5</td>
<td>16</td>
<td>W5/16L</td>
<td>Lock Washer</td>
</tr>
<tr>
<td>6</td>
<td>16</td>
<td>N5/16N</td>
<td>Hex Nut</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>B1/4X1</td>
<td>Hex Bolt</td>
</tr>
<tr>
<td>8</td>
<td>12</td>
<td>W1/4F</td>
<td>Plain Washer</td>
</tr>
<tr>
<td>9</td>
<td>2</td>
<td>N1/4NYL</td>
<td>1/4 Std NC Nylock Nut</td>
</tr>
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<td>5</td>
<td>N5/16NYL</td>
<td>5/16 Std NC Nylock Nut</td>
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<td>2</td>
<td>B5/16X3/4</td>
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<td>B3/8X10</td>
<td>Hex Bolt</td>
</tr>
<tr>
<td>13</td>
<td>1</td>
<td>N3/8NYL</td>
<td>3/8 Std NC Nylock Nut</td>
</tr>
<tr>
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<td>2</td>
<td>B3/8X1.25</td>
<td>Hex Bolt</td>
</tr>
<tr>
<td>15</td>
<td>4</td>
<td>W3/8F</td>
<td>Plain Washer</td>
</tr>
<tr>
<td>16</td>
<td>2</td>
<td>W3/8L</td>
<td>Lock Washer</td>
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<tr>
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<td>2</td>
<td>N3/8N</td>
<td>Hex Nut</td>
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<td>5</td>
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<td>Hex Nut</td>
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<td>B1/4X0.75</td>
<td>Hex Bolt</td>
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<td>22</td>
<td>4</td>
<td>BM12X1.75X25</td>
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<td>23</td>
<td>4</td>
<td>W1/2L</td>
<td>Lock Washer</td>
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*Quantities will vary with model of Cake Feeder  
Quantities shown are for the Model 500*
<table>
<thead>
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<th>Assembly</th>
<th>250 Cake Feeder</th>
<th>500 Cake Feeder</th>
<th>750 Cake Feeder</th>
<th>1000 Cake Feeder</th>
<th>1500 Cake Feeder</th>
<th>2000 Cake Feeder</th>
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<tbody>
<tr>
<td>Trough</td>
<td>KF-CP-A005</td>
<td>KF-CP-A005</td>
<td>KF-CP-A009</td>
<td>KF-CP-A009</td>
<td>KF-CP-A013</td>
<td>KF-CP-A013</td>
</tr>
</tbody>
</table>

Hopper

Trough

Lid

Cake Feeder V2.0
Cake Feeder Parts Diagram

Minden Machine Shop Inc.
1302 K Road Minden, NE
800-264-6587 / 308-832-0220

Cake Feeder V2.0

1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.65
2.0
2.1
2.2
2.5
25
## Cake Feeder Parts List

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<th>DESCRIPTION</th>
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<td>KF-CP-P007</td>
<td>Auger Cover (Model 500 and below)</td>
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<td>KF-CP-P045</td>
<td>Auger Cover (Model 750 and above)</td>
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<td>Auger (Model 500 and below)</td>
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<td>Auger (Model 750 and above)</td>
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Cake Feeder

Cotton Seed Model
Cake Feeder - Cotton Option

1000C Hopper Assembly
KF-1000-A005

DETAIL G

1.01

1.08
1.09
1.10

1.07

1.02

1.03

F

Normally sold with Auger Trough Assembly
Shown here for installation

DETAIL F

Minden Machine Shop Inc.
1302 K Road Minden, NE
800-264-6587 / 308-832-0220

Cake Feeder V2.0
28
Auger Trough Assembly
KF-1000-A008

DETAIL K

DETAIL H

DETAIL J
## Cake Feeder - Cotton Model Parts List

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<thead>
<tr>
<th>ITEM</th>
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<th>DESCRIPTION</th>
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</tr>
</tbody>
</table>

**Minden Machine Shop Inc.**  
1302 K Road  Minden, NE  
800-264-6587 / 308-832-0220
ELECTRONICS
Motor

10 ga. Black Wire

50 Amp Fuse
6 ga wire ends

Battery

10 ga Black Wire

14 ga. Red Wire

14 ga. Black Wire

10 Amp Fuse

SSMU-1013 Solenoid
150A - 300A Surge
12V

14 ga. Green Wire

14 ga. Yellow Wire - Not Used

14 ga. Red Wire

10 ga Red Wire

Motor

Interruption and Locking Switch

14 ga Brown or Black Wire
Not Used

14 ga. Red Wire

Cake Feeder Electrical Diagram
Minden Machine Shop Inc

LIMITED WARRANTY

Minden Machine Shop Inc warrants all products manufactured by it to be free of defect in material and workmanship for a period of one (1) year from the date of purchase.

This Minden Machine Shop Inc. warranty does not cover:

1. Parts and accessories supplied by Minden Machine Shop Inc. but manufactured by others. Minden Machine Shop Inc. will facilitate the other manufacturer warranty for the benefit of the purchaser but will not be bound thereby (example: augers, motors, trailers, tanks, etc.).
2. Products that have been altered by anyone other than a Minden Machine Shop Inc. employee or are used by the purchaser, for purposes other than what was intended at time of manufacture or used in excess of the “built specifications”.
3. Products that are custom manufactured by Minden Machine Shop Inc. utilizing the purchaser’s design which deviates from Minden Machine Shop Inc. normal production line manufactured or customized features of the products.
4. Malfunctions or damages to the product from misuse, negligence, customer alteration, accidents or product abuse due to incoming material or poor material flow ability or lack of required performance or required maintenance (e.g., poor material flow ability caused by incoming wet fertilizer or hot soybean meal, etc).
5. Loss of time, inconvenience, loss of material, down time or any other consequential damage.
6. Product use for a function that is different than designed intent (e.g., storing soybean meal in grain bin, unacceptable material in the bin such as hot bean meal when product originally designed for other application, etc).
7. Minden Machine Shop Inc is not responsible for any equipment that this product is attached to or mounted on.

To activate this warranty, the purchaser must make contact in writing with Minden Machine Shop Inc. with in one (1) year of date of purchase. After contact, Minden Machine Shop Inc. has the right to determine the cause and qualify the legitimacy of the claim. Minden Machine Shop Inc., upon acceptance of a warranty claim, shall have a reasonable time to plan any repair or replacement and may affect repair or replacement out of its factory or through contract with a local repair service. If a purchaser after warranty notice is made, chooses to make the repair itself, Minden Machine Shop Inc. must approve any expenses before they are incurred to be responsible for customer reimbursement. Minden Machine Shop Inc. shall be liable on a warranty claim for repair or replacement of any defective products and this is the purchaser’s sole and exclusive remedy. Minden Machine Shop Inc. will not be liable for any other or further remedy including claims for personal injury, property damage or consequential damage. The law of the State of Nebraska shall govern and any such claim and any issues with regard to the same shall be resolved in the Nebraska District Court for the county of Kearney.

RETURN OF MERCHANDISE

Merchandise may not be returned without written approval from the factory. All returns must have a return authorization number. Obtain this number before the return and show it on all return items. A 15% restocking charge is made on merchandise returned. Returned merchandise must be shipped pre-paid.

RECEIVING MERCHANDISE AND FILING CLAIMS

When receiving merchandise it is important to check both the number of parts and their description with packing slip. The consignee must make all claims for freight damage or shortage within 10 days from the date of delivery.

When the material leaves the factory it becomes the property of the consignee. It is the responsibility of the consignee to file a claim on any possible damage or loss. Please list your preferred routing on purchase orders.

MODIFICATIONS

It is the policy of Minden Machine Shop Inc. to improve its products whenever possible and practical to do so. We reserve the right to make changes, improvements and modifications at any time without incurring the obligation to make such changes, improvements and modifications on any equipment sold previously.
WARRANTY REGISTRATION

To register equipment, or file a claim, copy and paste the words on this page into an email or word document, fill out the appropriate information completely, and email it to larry@mindenmachine.com with the subject as EQUIPMENT WARRANTY, or fill it out and fax it to 308-832-1340.

**Dealer Information:**  
Not Applicable, check here: [ ]

Dealer Name:
Address:
City:
State:
Zip Code:
Phone #:
Email:

**End User Information:**  
Purchaser:
Address:
City:
State:
Zip Code:
Phone #:
Email:

Equipment:
Serial #:
Date Of Purchase: / /