IMPORTANT
THE OPERATOR IS RESPONSIBLE FOR ADJUSTING THE MACHINE SINCE MACHINE DOES NOT COME "FIELD READY" FROM FACTORY.

CAUTION
READ & UNDERSTAND OPERATOR’S MANUAL BEFORE USING MACHINE.

See www.summersmfg.com for the latest version of all Summers Operator’s Manuals.

SUMMERS MANUFACTURING CO., INC.
WEB SITE: www.summersmfg.com

DEVILS LAKE, NORTH DAKOTA 58301 ..................................................... (701) 662-5391
Warranty

Summers warrants only products of its manufacture against operational failure caused by defective materials or workmanship which occur during normal use within 36 months from the date of purchase by the end user from Summers’ dealer.

Summers’ obligation is to replace free of charge any part of any product that Summers inspection shows to be defective excluding transportation charges to Devils Lake, ND and return and also excluding all transportation costs from Summers’ dealer to the dealer’s customer and all other costs such as removal and installation expense.

Summers shall not be liable for loss of time, manufacturing costs, labor, material, loss of profits, consequential damages, direct or indirect, because of defective products whether due to rights arising under the contract of sale or independently thereof, and whether or not such claim is based on contract, tort or warranty.

Written permission for any warranty claim return must be first obtained from authorized Summers’ personnel. All returns must be accompanied with a complete written explanation of claimed defects and the circumstances of operational failure.

Written warranty for all component parts used in the manufacture of Summers products is available upon request. Warranty of such component parts will be determined by said component manufacturer upon their inspection of the claimed defective part.

This express warranty is the sole warranty of Summers. There are no warranties, which extend beyond the warranty herein expressly set forth. The sales for products of Summers under any other warranty or guarantee express or implied is not authorized. This warranty voids all previous issues.

SUMMERS MANUFACTURING CO. INC.
DEVILS LAKE, NORTH DAKOTA 58301
INTRODUCTION

This manual provides information about Safety, Assembly, Operation and Parts for the Summers Hydraulic Fold Coil Packer and Hydraulic Fold Rolling Chopper. Please refer to these sections before assembling or operating your machine.

Reference to “Right” and “Left” in this book is determined when the machine is viewed from the rear.

Parts are referenced in each drawing with the Summers Manufacturing Part Number. Use this Part Number when ordering replacement parts from your Summers dealer. See back section of manual for description of each Part Number.

It is the policy of this company to improve its products whenever possible and practical to do so. We reserve the right to make changes or improvements in the design or construction of parts at any time without incurring the obligations to install such changes on products previously delivered.

Summers Manufacturing Company, Inc. strongly recommends that each Operator READ and UNDERSTAND the Operator’s Manual before using the machine. In addition, this Operator’s Manual should be REVIEWED at least ANNUALLY thereafter.

NOTE: Operating Packer Coils or Rolling Choppers in wet conditions will cause:
   1. Excessive packing with possible soil surface crusting.
   2. Increased implement frame stress.
   Discontinue use of packer coils or rolling choppers if mud build-up occurs.

Scan code to the right for the latest version of all Summers Operator’s Manuals.

SECTION CONTENTS

Section 1: SAFETY
Section 2: ASSEMBLY
Section 3: OPERATION and MAINTENANCE
Section 4: PARTS
Section 5: PART NUMBERS WITH DESCRIPTIONS

OWNER REGISTER

Name __________________________________________ Size ____________________________
Address ______________________________________ Serial Number __________________________
City ____________________________________________ (located by the hitch piece)
State/Prov. ____________________________________ Date Purchased ______________________
Mail Code _____________________________________ Dealer ____________________________
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SECTION 1 - SAFETY

SAFETY-ALERT SYMBOL

This symbol is used to denote possible danger and care should be taken to prevent bodily injury. This symbol means:

ATTENTION! BECOME ALERT!
YOUR SAFETY IS INVOLVED!

Definition of each Signal Word used in conjunction with the Safety-Alert symbol.

- **DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.
- **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

GENERAL SAFETY PRACTICES

2. **VERIFY** all safety devices and shields are in place before using machine.
3. **KEEP** hands, feet, hair and clothing away from moving parts.
4. **STOP** engine, place all controls in neutral, set parking brake, remove ignition key and wait for all moving parts to stop before servicing, adjusting, maintaining or unplugging.
5. **BE CAREFUL** when working around high pressure hydraulic system.
6. **ALWAYS** make sure that pressure is relieved from hydraulic circuits before servicing or disconnecting from tractor.
7. **DO NOT ALLOW RIDERS.**
8. **USE EXTREME CARE** when making adjustments.
9. **KEEP CHILDREN AWAY** from machinery at all times.
10. **NEVER ALLOW** anyone to walk or work under a raised piece of equipment without installing transport locks.
SAFETY DURING TRANSPORT

1. **ONLY TOW** at a safe speed. Use caution when making corners or meeting traffic.

2. **USE** a safety chain between tractor drawbar and implement hitch when transporting on public roads.

3. **ALWAYS** use transport locks when transporting on public roads.

4. **COMPLY** with local lighting, marking and maximum width regulations when transporting on highways.

5. Frequently check for traffic from rear, especially during turns.

SAFETY DECALS

1. **KEEP SAFETY DECALS AND REFLECTORS CLEAN.**

2. **REPLACE** missing or unreadable decals. New decals are available from your Summers dealer by stating correct part number (PN) located in lower right hand corner.

1. **TRANSPORT LOCK DECAL (PN 8Z0075)**

![WARNING](image)

**WARNING**

REMOVE TRANSPORT LOCK(S) BEFORE LOWERING MACHINE. IF LOCK(S) DO NOT REMOVE FREELY, INSURE THAT CYLINDERS ARE COMPLETELY FILLED WITH HYDRAULIC FLUID AND ARE SUPPORTING THE LOAD TO BE LOWERED. 8Z0075

2. **GENERAL CAUTION DECAL (PN 8Z0276)**

![CAUTION](image)

1. Read and understand Operator’s Manual before using machine.
2. For Sprayers:
   a. Read and follow chemical manufacturers’ WARNINGS, instructions and procedures before using.
   b. Use recommended personal protective equipment to reduce or eliminate chemical contact.
   c. Never run pump dry.
3. Verify all safety devices and shields are in place before using machine.
4. Keep hands, feet, hair and clothing away from moving parts.
5. Stop engine, place all controls in neutral, set parking brake, remove ignition key and wait for all moving parts to stop before servicing, adjusting, maintaining or unplugging.
6. Be careful when working around high pressure hydraulic system.
7. Do not allow riders.
8. Check all wheel bolts DAILY for tightness.
10. For Towed Implements; DO NOT EXCEED 20 MPH. 8Z0276
3. WING DANGER DECAL (PN 8Z0344)

TO AVOID INJURY OR DEATH
STAND CLEAR OF MACHINE WHEN
WINGS ARE BEING RAISED AND
LOWERED. MECHANICAL OR
HYDRAULIC FAILURE CAN ALLOW
WINGS TO FALL RAPIDLY.

4. ELECTROCUTION DANGER DECAL (PN 8Z0346)

TO AVOID INJURY OR
DEATH DO NOT CONTACT
ELECTRICAL LINES.

5. PINCH POINT DECAL (PN 8Z0087)

FRAME PINCH POINT HAZARD
KEEP AWAY
To prevent serious injury or death
from crushing:
• Stay away from frame hinge area
  when folding wings.
• Keep others away.
• Do not fold wings when bystanders
  are present.
SAFETY LIGHT OPERATION

The Summers Safety Light Kit is equipped with a 7 pin connector. To protect 7 pin connector, store in dust cap (8K8067) when not attached to towing vehicle. If brake lights remain illuminated at all times remove wire from pin #4 in 7 pin connector. Tractors newer than 2007 should not have this issue.
REFLECTOR LOCATIONS

Summers Mfg. Co., Inc.
HYDRAULIC FOLD IMPLEMENT

Legend

<table>
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<tr>
<th>PRODUCT SIZE</th>
<th>QTY RED–ORANGE</th>
<th>QTY RED</th>
<th>QTY AMBER</th>
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<tbody>
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<td>2</td>
<td>6</td>
</tr>
</tbody>
</table>

 Wolff = Wing Danger Decal (8Z0344)
 A = Amber Reflector (8Z0800)
 O = Red–Orange Reflector (8Z0805)
 R = Red Reflector (8Z0810)

Smv = SMV Attach Bracket (8K8210) w/Hardware
SECTION 1 - SAFETY

GENERAL ASSEMBLY SAFETY PRACTICES

YOU ARE RESPONSIBLE for the safe assembly of the machine.

BLOCK UP ANY RAISED PART of the machine. Be sure machine is stable after blocking.

DO NOT ALLOW CHILDREN or other unauthorized persons within the assembly area.

ALWAYS INSPECT LIFTING CHAINS AND SLINGS for damage or wear.

WEAR PERSONAL PROTECTIVE EQUIPMENT which includes a hard hat, eye protection, work gloves and steel toed boots with slip resistant soles.

BE SURE LIFTING DEVICE IS RATED TO HANDLE THE WEIGHT.

DO NOT MODIFY the equipment or substitute parts in any way. Unauthorized modification may impair the function and/or safety of the machine.

STOP ENGINE, place all controls in neutral, set parking brake, remove ignition key and wait for all moving parts to stop before servicing or adjusting.

USE SUITABLE LIFTING DEVICE for components which could cause personal injury.

BE SURE PRESSURE IS RELIEVED from hydraulic circuits before servicing or disconnecting from tractor.

USE EXTREME CARE when assembling, servicing or adjusting.

GENERAL ASSEMBLY INSTRUCTIONS


2. Reference to “**RIGHT**” and “**LEFT**” is determined when machine **IS VIEWED FROM THE REAR**.

3. Reference to “**FORWARD**” means **TOWARDS THE TRACTOR**.

4. Reference to “**REAR**” means **AWAY FROM THE TRACTOR**.
Refer to illustrations on following pages and follow these steps when assembling an 14’ to 44’ Summers Hydraulic Fold Coil Packer or Hydraulic Fold Rolling Chopper. The machine should be placed in a firm, level area that allows ample room for assembly in field position.

**CAUTION: For safety purposes, block equipment while working on it.**

**CENTER ASSEMBLY**
Place center section on stable supports approximately 2-1/2 ft. off floor. Install cylinder attach Eye Bolts. Set Eye Bolts in middle of adjustment. Install hydraulic cylinders. Secure Main Lift Cylinders with 1” diameter pins and cotter pins. Secure base end of Wing Lift Cylinders (8C0432) with 1” diameter pins and roll pins. Install center wheel lift arm assemblies with 1-1/4” X 14” pins. Apply good quality Anti-Seize lubricant on pins prior to assembly. Secure with 3/4” X 1-3/4” cap screws, lock nuts and flat washers (over slotted hole). Pre-Assemble Walking Axle assemblies (standard center only). Attach Walking Axle assemblies to lift arm assemblies with 3/4” bolts, lockwashers and nuts.

**WING ASSEMBLY**
Install left and right wings. Secure with 1-1/4” diameter pins and roll pins. Connect front and rear wing sections with cross braces. Refer to layout drawings to determine brace locations. Secure cross braces with 3/4” u-bolts. Attach wing axle assemblies to outside wing cross brace using 3/4” u-bolts. Wing axle and hub assemblies are optional on single coil/chopper wings.

**HYDRAULIC SYSTEM**
Install cylinder hydraulic fittings and hydraulic hoses between cylinders.

**HITCH TUBES**
Position hitch tube(s) on top of center section. Attach hitch tube(s) to center section with 3/4” u-bolts, lockwashers and nuts. Connect hitch tubes with hitch extension (8C5060, 8C5070 or 8C5100), hitch channel (8C5050) and hitch piece (8D0720) at front of machine using hardware provided.

**HYDRAULIC HOSES TO TRACTOR AND TIRES**
Install hydraulic hoses and fittings to front of machine. Secure hoses with clamps provided. Do not over tighten, hydraulic hoses expand and shorten when pressurized. Install wheels and tires. Tighten wheel bolts to 170 ft-lb torque.

**CHARGE HYDRAULIC SYSTEM**
Block Wing Lift Hydraulic Cylinders (8C0432) so rods can fully extend without contacting wing (Photo 44a.). Connect hydraulic tips to tractor hydraulic couplers. Extend and retract cylinders until air is purged from hydraulic system. Attach rod end of wing lift cylinders to wing lift slots with 1” X 7” bolt, flat washer, bushings and lock nut (Photo 44b.). Do not overtighten lock nuts as rod end of wing lift cylinder must slide freely in lift slot and bolt must rotate freely. Raise and lower machine. Watch so hydraulic hoses do not tighten or get pinched, adjust hoses if necessary. Adjust wing lift cylinder eye bolts so wings rest on center frame during transport. Tighten all Eye Bolts. Insure that cylinder attach holes are aligned when eyebolts are tightened.
SECTION 2 - ASSEMBLY

C-SHANKS
Mark frame with coil/chopper locations shown in layout drawing. Install C-Shanks (8K4392) and secure with hardware provided.

COIL/CHOPPER ASSEMBLIES
Pre-assemble Pull Frames. Secure pillow block to adjustment arm with 1/2” u-bolt and hardware. Secure bearing to coil shaft with set screws and snap ring. Attach Coil and Pull Frame assemblies to C-Shanks using 3/4” U-bolts (8C1720) and hardware. Note: Left and Right hand wound coils can be identified by comparing to Left and Right hand bolt threads.

SMV sign, Wing Transport Locks, Main Transport Lock, ID & Safety Decals and Safety Lighting
28' Narrow Center
28' Standard Center
30' Standard Center
32' Standard Center
34' Standard Center

SECTION 2 - ASSEMBLY
36' Standard Center
38' Standard Center

SECTION 2 - ASSEMBLY

Page 25
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8Z1111
40' Standard Center
42' Standard Center
1. Position Center Frame on supports.

2. Install main and wing lift cylinder eye bolts (middle of adjustment).

3. Install main lift cylinders.

4. Attach wing lift cylinders.
5. Install Center Lift Arms and secure Pivot Pin with bolt, washer and lock nut.


8. Install pivot dampeners.

9. Tighten Walking Axle hardware.
10. Connect rod end of main lift cylinder.


Wings

14. Connect rear Wings to Center.

15. Install wing pivot pins, secure with roll pins.
SECTION 2 - ASSEMBLY

HYD. FOLD PACKER ASSEMBLY - PHOTO SUPPLEMENT – 42’ SHOWN

16. Connect from Wings to Center.

17. Left hand Wings attached.

18. Left hand Wings leveled for further assembly.

19. Rear view left hand Wings with Cross Brace.

20. Outside Cross Brace.

22. Secure Cross Braces.

23. Outside Cross Brace.

24. Align Wings with Center, tighten u-bolts.

25. Install Wing Axle.

26. Left hand Wing Axle installed.

Right hand Wing Axle installed.
SECTION 2 - ASSEMBLY

HYD. FOLD PACKER ASSEMBLY - PHOTO SUPPLEMENT – 42’ SHOWN

Hydraulic

27. Base End Wing Lift Cylinder.

28. Rod End Wing Lift Cylinder.

29. Base End Main Lift Cylinder.

30. Rod End Main Cylinder.
30a. Rod End Main Cylinder.

31. Hydraulic hose - Main and Wing Cylinders.

**Hitch Tubes**

32. Install Hitch Tubes.

33. Attach Hitch Tubes to Center.

34. Attach Hitch Tubes to Center.

35. Rear u-bolt installed.
36. Front View.

37. Install Hitch Extension.

38. Hose and Hydraulic Tip Holder.

39. Install Hitch.
40. Pre-assemble front center fittings.

41. Front Center hose layout.

42. Tighten all hydraulic fittings.

43. Route hoses forward, secure with clamps.

43a. Install tires.
Charge Hydraulic System

44a. Extend and retract wing lift cylinders.

44b. Attach rod end of wing lift cylinders.

44c. Raise wings.

45. Adjust eye bolts so Wing rests on Center.

46. Tighten Wing Lift Cylinder eye bolts (above).

46. Tighten Main Lift Cylinder eye bolts (right).
HYD. FOLD PACKER ASSEMBLY - PHOTO SUPPLEMENT – 42’ SHOWN

C-Shanks

47. Mark frame using layout drawing, located clamps.

48. Install clamps.

49. Install C-Shanks.

50. Tighten C-Shank mounting hardware.
51. Lay out Coils and Pull Frames.

52. Identify Left and Right Hand Coils by comparing to bolt heads.

53. Bearing installed with snap ring.

54. Pre-assembly of 1/2" nuts on bearing attach u-bolt.

55. Bearing attached to Pull Frame.
SECTION 2 - ASSEMBLY

HYD. FOLD PACKER ASSEMBLY - PHOTO SUPPLEMENT – 42’ SHOWN

55. Pre-assembled Coil with Pull Frame - Tighten all hardware.

57. Center Coil and tighten set screws in bearings.

58. Roll Coil assemblies into position.

59. Position Coils.

60. Attach Pull Frames to C-Shanks, center mount shown.

61. 9-1/2 inch Center to Center C-Shank spacing, offset mount shown.
62. Assemble SMV Sign onto spade.

63. Install SMV Sign.

64. Install Wing Transport Lock (Not used on 5 Section).

65. Front receiver.
67. Mounting flat.

68. Extension tube.

69. Mounting light bracket.

70. Front Right Amber Light installed.

71. Rear Red Light installed.
HYD. FOLD PACKER ASSEMBLY - PHOTO SUPPLEMENT – 42’ SHOWN

Main Lift Transport Locks

72. Installed.

42. Hydraulic Fold Packer Drawbar

73. Storage position.

74. Front View

75. Front Left View.

76. Rear Right View.
NOTE: Decal shows correct orientation of Rolling Chopper.

GUSSETS ON BOTTOM SIDE

FRONT

BACK

LEFT SIDE VIEW

RIGHT SIDE VIEW

SECTION 2 - ASSEMBLY
SECTION 2 - ASSEMBLY
SECTION 2 - ASSEMBLY
Refer to illustrations on following pages and follow these steps when assembling a 46’ to 66’ Summers Hydraulic Fold Coil Packer or Hydraulic Fold Rolling Chopper. The machine should be placed in a firm, level area that allows ample room for assembly in field position.

**CAUTION: For safety purposes, block equipment while working on it.**

**CENTER ASSEMBLY**
Place Packer drawbar center section on stable supports approximately 2-1/2 ft. off floor. Install cylinder attach Eye Bolts (8K1682C). Set Eye Bolts in middle of adjustment. Install hydraulic cylinders. Secure Main Lift Cylinders with 1” diameter pins and cotter pins. Secure base end of Wing Lift Cylinders (8C0432) with 1” diameter pins and roll pins. Install center wheel lift arm assemblies with 1-1/4” X 14” pins (62’-66’ require 1-1/2” x 14” pins). Apply good quality Anti-Seize lubricant on pins prior to assembly. Secure with 1/2” X 1-3/4” cap screws, lock nuts and flat washers. Pre-Assemble Walking Axle assemblies. Attach Walking Axle assemblies to lift arm assemblies with 3/4” bolts, lockwashers and nuts. Install Wing Stops (8C5140) with ¾” u-bolts as shown in following drawings.

**WING ASSEMBLY**
Install left and right part 1 wings. Secure with 1-1/4” diameter pins and roll pins. Connect front and rear wing sections with cross braces. Refer to coil layout drawing to determine brace locations. Secure cross braces with 3/4” u-bolts. Attach part 2 wings to part 1 wings with 1” x 5-1/2” bolts. Attach part 2 wing lift cylinders and linkage as shown on page 111. Do not attach rod end of hydraulic cylinders. Do not over tighten locknuts on lift linkages. Bolts must be free to rotate and slide freely in lift slot. Attach wing axle assemblies using 3/4” u-bolts. Wing axle and hub assemblies are optional on single coil/chopper wings.
SECTION 2 - ASSEMBLY

HYDRAULIC SYSTEM
Install cylinder hydraulic fittings and hydraulic hoses between cylinders.

HITCH TUBES
Position hitch tubes on top of center section. Attach hitch tubes to center section with ¾” u-bolts, lockwashers and nuts. Connect hitch tubes with hitch extension, hitch channel (8C5050) and hitch piece (8D0720) at front of machine using hardware provided.

46’ to 50’ ONLY
Install front cross brace below hitch tubes with ½” and ¾” u-bolts. Locate 20” (center to center) ahead of main frame front pivot. IMPORTANT: All three wing hinge points must be in line. If hinge points are not in line, loosen u-bolts, position braces correctly and retighten.

WING BRACES
Install wing braces to front center pivots with 1-1/4” pins. Secure to wing with ¾” u-bolts.

HYDRAULIC HOSES TO TRACTOR AND TIRES
Install hydraulic hoses and fittings to front of machine. Secure hoses with clamps provided. Do not over tighten, hydraulic hoses expand and shorten when pressurized. Install wheels and tires. Tighten wheel bolts to 122 ft-lb torque.

CHARGE HYDRAULIC SYSTEM
Block Wing Lift Hydraulic Cylinders so rods can fully extend without contacting anything. Connect hydraulic tips to tractor hydraulic couplers. Extend and retract cylinders until air is purged from hydraulic system. Attach rod end of part 1 wing lift cylinders to wing lift slots with 1” X 7” or longer bolt, flat washer, bushings and lock nut. Attach rod end of part 2 wing lift cylinders to lift linkage. Do not overtighten lock nuts as rod end of wing lift cylinders must slide freely in lift slot and bolts must rotate freely. Raise and lower machine. Watch so hydraulic hoses do not tighten or get pinched, adjust hoses if necessary. Adjust part 1 wing lift cylinder eye bolts so wings rest on center frame Wing Stops (8C5140) during transport. Adjust part 2 wing lift cylinders so part 2 wings rest on support pipe. Tighten all Eye Bolts. Insure that cylinder attach holes are aligned when eyebolts are tightened.

C-SHANKS
Mark frame with coil locations shown in layout drawing. Position C-Shank clamps (8C5820) 9-1/2” center to center at these locations. Install C-Shanks (8K4392) and secure with hardware provided.

COIL/CHOPPER ASSEMBLIES
Pre-assemble Pull Frames. Secure pillow block to adjustment arm with 1/2” u-bolt and hardware. Secure bearing to coil shaft with set screws and snap ring. Attach Coil and Pull Frame assemblies to C-Shanks using ¾” U-bolts (8C1720) and hardware. Note: Left and Right hand wound coils can be identified by comparing to Left and Right hand bolt threads.

SMV sign, Wing Transport Locks, Main Transport Lock, ID & Safety Decals and Safety Lighting
64' HYDRAULIC FOLD COIL PACKER
PHOTO REFERENCE LAYOUT

REFERENCE NUMBERS LISTED IN THIS LAYOUT CORRESPOND TO PHOTOS ON FOLLOWING PAGES. LOCATION OF REFERENCE NUMBER WITHIN CUTLINE IS APPROXIMATE LOCATION ON 60° P.O. THAT PHOTO WAS TAKEN OF.

ALL PHOTOS ARE TAKEN IN FIELD POSITION EXCEPT WHERE NOTED.
5-Section Hydraulic Fold Coil Packer
Assembly Instructions – Photo Supplement – 60’ Shown

1

1A
WING STOP
4X 51’-66’
2X 46’-50’ REAR ONLY
IMPORTANT
Do Not route hydraulic hoses above wing stop.

IMPORTANT
Do Not over tighten. Bolt must be free to rotate.
NOTE: Decal shows correct orientation of Rolling Chopper.
OPERATING INSTRUCTIONS – HYDRAULIC FOLD IMPLEMENT

IMPORTANT: Do not exceed 20 MPH while transporting Implement. Do not attempt to raise or lower Implement unless it is securely attached to an appropriate towing vehicle.

TRANSPORT TO FIELD POSITION
1. Hitch machine to tractor or implement using a locking hitch pin and safety chain. Connect hydraulic hoses and wiring connector. Retract hitch jack and rotate into storage position.
2. Select a level area to lower machine into field position.
3. Remove transport locks. If locks do not remove freely, insure that cylinders are completely filled with hydraulic fluid and are supporting the load to be lowered. Store locks in storage holes provided.
4. Activate hydraulic system to lower machine into field position (main lift cylinders fully retracted and wing lift cylinders fully extended).
5. To insure even down pressure, the machine hitch must be level in field position. Adjust vertical height of hitch piece if required.

6. Amount of machine weight supported by center 11L tires can be changed by adjusting Eye Bolts above main lift hydraulic cylinders. *NOTE: Lowering Eye Bolts will increase transport height.*

NOTE: The Summers Hydraulic Fold Coil Packer is designed to provide an ideal seedbed as a last pass operation either before or after seeding.

FIELD TO TRANSPORT POSITION
1. Stop in a level area.
2. Activate hydraulic system to raise machine into transport position (main lift cylinders fully extended and wing lift cylinders fully retracted).
3. Install transport locks.

Always be sure transport locks are engaged when making adjustments on the machine in the raised or transport position.

4. Check wheel bolts after first 20 miles of road transport and every 60 miles thereafter.
SECTION 3 - OPERATION and MAINTENANCE

UNHITCHING MACHINE
1. Select a level area to park machine. Block wheels to prevent machine from rolling.
2. Rotate jack into standing position and extend jack. Disconnect hydraulic hoses and wiring con- nector. Disconnect hitch and safety chain.

NOTE: Operating implement in wet conditions will cause:
1. Excessive packing with possible soil surface crusting.
2. Increased implement frame stress.
Discontinue use of Packer if mud builds up on coils.

NOTE: Machine should run level during field operation. Adjust hitch piece and/or hitch channel to level machine.

MAINTENANCE AND SERVICE – HYDRAULIC FOLD IMPLEMENT

IMPORTANT: Check All wheel bolts daily for tightness. Tighten spindle nuts if any side play is evident in bearings.

LUBRICATION
• Grease fitting locations and lube frequencies:

20 hours:
• 1 on each bearing (1 stroke only)
• 2 on each Center Lift Arm
• Lubricate these fittings with a good grade of general purpose grease.

Seasonally:
• Disassemble, clean and repack wheel hubs.
• Inspect entire machine for loose or worn fasteners. Tighten or replace as required.

Over Winter:
• Coat extended hydraulic cylinder rods with grease to prevent corrosion. Remove grease prior to retracting cylinders.

Tire Inflation
Listed below are recommended tire inflations:
Hitch Tires: 11L x 15 LRF - 80 PSI 8K7033
12.5L x 15 - 90 PSI 8K7042
Wing Tires: 7.60 x 15 - 28 PSI 8D3031
**SECTION 3 - OPERATION and MAINTENANCE**

**PROPER BOLT USE**

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

<table>
<thead>
<tr>
<th>BOLT SIZE</th>
<th>WRENCH SIZE</th>
<th>GRADE 5 ft-lbs</th>
<th>GRADE 5 N • m</th>
<th>GRADE 8 ft-lbs</th>
<th>GRADE 8 N • m</th>
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<td>7/16&quot; or 3/8&quot;</td>
<td>7</td>
<td>9.5</td>
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</tr>
<tr>
<td>7/16&quot;</td>
<td>5/8&quot; or 11/16&quot;</td>
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*Nylon Lock Nut*  

**STRETCHED AREA**  
OVER TORQUED BOLT

**SAE GRADE 5**  
**SAE GRADE 8**
PARTS SECTION

HYDRAULIC FOLD COIL PACKER

&

HYDRAULIC FOLD ROLLING CHOPPER
HYDRAULIC FOLD IMPLEMENT
18'-50' STANDARD CENTER

SECTION 4 - PARTS

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Page 103
HYDRAULIC FOLD IMPLEMENT
51' - 64' CENTER

SECTION 4 - PARTS

12/13/2016 9PD6275.iam/51' THROUGH 62' FRAME

Page 104 © Summers Mfg. Co., Inc. 2018

8Z1111
WING ASSEMBLY 5-SECTION IMPLEMENT
46' - 66' (LEFT HAND 62' SHOWN)

SECTION 4 - PARTS

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4/4/2018 9PD6275.iam/46' THROUGH 64' WING
PACKER COIL MOUNTING ASSEMBLY

**COIL W/SHAFT PN**
- 8C4410 - 4" (L) - (SHOWN)
- 8C4415 - 4" (R)
- 8C4424L - 4" (L - 24" COIL)
- 8C4424R - 4" (R - 24" COIL)
- 8C4510 - 5" (L)
- 8C4515 - 5" (R)
- 8C4524L - 5" (L - 24" COIL)
- 8C4524R - 5" (R - 24" COIL)
- 8C4610 - 6" (L)
- 8C4615 - 6" (R)
- 8C4624L - 6" (L - 24" COIL)
- 8C4624R - 6" (R - 24" COIL)
- 8C4710 - 7" (L)
- 8C4715 - 7" (R)

**SECTION 4 - PARTS**

**BEARING COMPLETE**
- 8C1751 - 3/4 X 3 X 6"

**BEARING**
- 7C1726 - REPAIR TUBE

**FLAT**
- 8K4396

**NY-LOCK 1/2" N**
- 8K4396

**1/8" ZERK**
- 8X0119 - 3/4 X 7-1/2"

**1/2" LW**
- 8X0265 - 3/4" LN

**1/2" FW**
- 8X0303 - 1/2" LW

**1/2" N**
- 8X0240

**SHAFT ONLY**
- 8X0074 - 1/2" X 4-1/2"

**1/2" X 4-1/4 X 7-1/4"**
- 8C1740

**PRIOR TO 2018**
- 8X0240 - 1/2" N

**19" COIL**
- 8C5840

**24" COIL**
- 8C5844

**19" COIL**
- 8C5850

**24" COIL**
- 8C5854

**19" COIL**
- 8C5860

**24" COIL**
- 8C5864

**7" - 19" COIL**
- 8C5870

**7" - 24" COIL**
- 8C5874

**1/4" LW**
- 8X0306

**1/4" LN**
- 8X0265

**3/4" LW**
- 8X0306

**3/4" LN**
- 8X0265

**3/4 X 7-1/2"**
- 8X0119

**8X0728**

**8X0725**

10/1/2018  PCKRCOILMNT.iam/
NOTE: SEE PHOTOS PAGES 81 THROUGH 88 FOR HOSE ROUTING.

*SIDES ARE SYMMETRICAL. LEFT SIDE SHOWN.
NOTE: SEE PHOTOS PAGES 81 THROUGH 88 FOR HOSE ROUTING.

*SIDES ARE SYMMETRICAL. LEFT SIDE SHOWN.
NOTE: Decal shows correct orientation of Rolling Chopper.
Assembly Notes:

A. Before towing machine, pack wheel bearings and fill 1/2 of hub cavity with high quality bearing grease.

B. Tighten axle nut to 45 ft.-lbs., loosen nut until first slot is aligned with hole in axle, install cotter pin and bend to retain.

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Assembly Notes:

A. Before towing machine, pack wheel bearings and fill 1/2 of hub cavity with high quality bearing grease.

B. Tighten axle nut to 45 ft.-lbs., loosen nut until first slot is aligned with hole in axle, install cotter pin and bend to retain.

**Pre 2000* 8K7120 (SE17)

---

8/13/2014  8K1105S.iam/HUB&AXLE ASSY

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8Z1111
PART NUMBERS

WITH

DESCRIPTIONS
### SECTION 5 - PART NUMBERS & DESCRIPTIONS

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<td>PULL FRAME 7&quot; COIL (95') 06-</td>
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<td>8C5874</td>
<td>PULL FRAME 24&quot; COIL 9&quot; (95') 17-</td>
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<tr>
<td>8C5910</td>
<td>LINK STRAIGHT 3/4&quot;180°FLD HFCP</td>
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<tr>
<td>8C5920</td>
<td>LINK CURVED 5/8&quot;180°FOLD HFCP</td>
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<td>8C5922</td>
<td>LINK CURVED 3/4&quot;180°FOLD HFCP</td>
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<tr>
<td>8C5980</td>
<td>TUBE W/WSHR 1&quot;IDPRT2FOLD HFCP</td>
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<tr>
<td>8C6000</td>
<td>TUBE 1-5/8ODX 1&quot;ID- 1-1/8&quot; 91-</td>
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<td>8C6010</td>
<td>WASHER 1.03&quot;ID X 3-1/16&quot;ODX1/4</td>
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</tbody>
</table>
SECTION 5 - PART NUMBERS & DESCRIPTIONS

8G8020 U-BOLT 3/8 X 2-9/16 X 3-1/2" SQ

8H1150 HARROW TOOTH 3/8 X 18.5" M94

8H1150S HARROW TOOTH 3/8 X 18.5" M94 STR

8H1180S HARROW TOOTH 1/2 X 20" M104/SH

8H1183S HARROW TOOTH 1/2 X 25" M105

8H1184S HARROW TOOTH 1/2 X 26" M105/SH26

8H1280 SPRING EXTENSION 1"OD X 4" YZ

8H1307 SPRING PRESS 1.54OD- 15" 706/"7

8H1315 SUPPORT ROD WLDD ASSY 7/8-09

8H1327 CAST SWIVEL 3/4XT8 MNTD ATTACH

8H1394 SUPPORT ROD ASSY 7/8" MNTD 09-

8H1498 SPACER TUBE 4 X 3 XST- 5"

8H1499 SPACER TUBE 4 X 2 X4T- 5"

8H1504 SPACER TUBE 4 X 4 X4T- 5"

8H1510 MNT PLATE(FLAT1/2X5-10") 6"MAX

8H1512 MNT PLATE(FLAT1/2X5-16")11"MAX

8H1520 MNT BRACKET SHORT (13") UNIV

8H1522 MNT BRACKET SHORT (20") HI-CLR

8H1530 MNT BRACKET LONG (25") UNIV

8H1532 MNT BRACKET LONG (29") HI-CLR

8H1200 PIPE SPACER 3/4 X 1" 88-

8H2100 STL 5/8 X 4-8-3/8" PNTD 88-

8H2131 ADJ NUT W/WLDD SPRING 7/8 09-

8H2132 CARRIER ARM 34" M94-108 & BSKT

8H2142 CARRIER ARM 42" M94 - M108

8H2144 CARRIER ARM 52" M94 - M108

8H2184 AUTOLCKUP 7/8" DRL&PTND 09-

8H1900 HANDLE W/PIN AUTOLCKUP 94-108

8H2300 MNTG ARM ASSY 34" M94-M108

8H2310 MNTG ARM ASSY 42" M94-M108

8H2314 MNTG ARM ASSY 52" M94-M108

8H2315 EXTENSION MNT ARM 6" M94-M108

8HD0080 PIPE CLAMP 2-1/2" ID PLATED Z

8HD0150 PIN ADJMTN 5/8X9.75" YZ 95-

8HD0160 SPRING TINE ADJ.COMP:ZINC95-

8HD0200 U-BOLT 1/2 X 2-3/8X 3-9/16" RND

8HD5052 1ST PIPE W/LVR 6'104/6 3OR4BR

8HD5070 2ND PIPE W/LVR 6'104/6 3OR4BR

8HD5070Q 3RD PIPE/LVR6 3BR104/6QADJ00-

8HD5075 3RD PIPEW/LVR 6'104/6 4BR 98-

8HD5075Q 3RD PIPE/LVR6 4BR104/6QADJ00-

8HD5075R 3RD PIPE/LVR6 4BR104/6QADJ00-

8HD5075S 3RD PIPEW/LVR 6'104/6 4BR 98-

8HD5076Q 3RD PIPE/LVR8 4BR104/6QADJ00-

8HD5077 3RD PIPEW/LVR 6'104/6 4BR 98-

8HD5078Q 4TH PIPE/LVR8 4BR104/6QADJ02-

8HD5078R 4TH PIPE/LVR8 4BR104/6QADJ02-

8HD5079 4TH PIPEW/LVR 6'104/6 3OR4BR

8HD5079Q 4TH PIPE/LVR8 3BR104/6QADJ00-

8HD5084 1ST PIPE W/LVR10 104/6 3OR4BR

8HD5084Q 1ST PIPEW/LVR10 104/6 3OR4BR

8HD5084Q 1ST PIPEW/LVR10 104/6 3OR4BR

8HD5086Q 3RDPIPE/LVR10 3BR104/6QADJ00-

8HD5087Q 3RD PIPE/LVR10 4BR104/6QADJ00-

8HD5088Q 3RDPIPE/LVR10 4BR104/6QADJ02-

8HD5094 EXT PIPE2.375"ODX.148- 12" 01-

8HD5096 EXT TUBE1.55Q11GA-23.3/4"01-

8HD5101 SIDE PLT 1/4"3BR 104/6 LEFT00-

8HD5102 SIDE PLT 1/4"3BR 104/6 LEFT00-

8HD5102 SIDE PLT 1/4"3BR 104/6 LEFT00-

8HD5102 SIDE PLT 1/4"3BR 104/6 LEFT00-

8HD5102 SIDE PLT 1/4"3BR 104/6 LEFT00-

8HD5103 SIDE PLT 1/4"3BR 104/6 LEFT00-

8HD5104 SIDE PLT 1/4"3BR 104/6 LEFT00-

8HD5115 CONNCTNG BAR (3/8X2-17.5) 00-

8HD5115 CONNCTNG BAR (3/8X2X30.5) 93-

8HD5130 CROSS TUBE W/LATS 6" M104/106

8HD5150 CROSS TUBE W/LATS 8" M104/106

8HD5160 CROSS TUBE W/LATS 10" M104/06

8HD5180 EXT BRCKT M94-106 2ND ARM 15"

8J5100 #6 JIC(M) X #6 JIC(M) UNION
### SECTION 5 - PART NUMBERS & DESCRIPTIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>8J5298</td>
<td>TEE #6 SWIVEL NUTRUN (M+M+F-SW)</td>
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<tr>
<td>8J5300</td>
<td>TEE #6 JIC (MALE) 3X</td>
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<td>8J5350</td>
<td>CROSS #6 JIC (M4X)</td>
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<td>8J5500</td>
<td>9/16”-18 ORB X #6 JIC (M) STR</td>
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<td>8J5510</td>
<td>3/4”-16 ORB X #6 JIC (M) STR</td>
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<td>9/16”-18 ORB X #6 JIC (F-SW) STR</td>
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<td>8J5680</td>
<td>3/4”-16 ORB X 3/4”-16 ORB UNION</td>
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<td>8J5690</td>
<td>3-4 1/2 X 4-1/2 ORB M-SW90° UNION</td>
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<td>#6 JIC (F-SW) X #6 JIC (M) 0-ADP</td>
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<td>9/16”-18 ORB X #6 JIC (M) 0-ADP</td>
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<td>8J6002</td>
<td>9/16”-18 ORB X #6 JIC 0-RNCH T</td>
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<td>8J6004</td>
<td>9/16”-18 ORB X #6 JIC 0-RNCH TEE</td>
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<td>8J7000</td>
<td>BALL VALVE HYD 9/16”-18 ORB (2X)</td>
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<td>8J7040</td>
<td>THERMAL RELIEF MANIFOLD 4000 PSI</td>
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<td>8J7116</td>
<td>3/4”-16 ORB X 1/16” RESTR</td>
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<td>8J7126</td>
<td>#6IC(M) X6IC(F) 1/16” RSTR GOLD</td>
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<td>8J7232</td>
<td>#6IC(M) X6IC(F) 1/32” RSTR SLVR</td>
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<td>8J7250</td>
<td>RELIEF VALV 2250PSI 9/16”-18 ORB</td>
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<td>8J7260</td>
<td>DUAL OUTLET FEMALE HYD COUPLER</td>
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<td>8K1682C</td>
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<td>SPRING SHNK COIL MNT PNTD00</td>
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<td>U-BOLT 3/4 X 2-1/8 X 4-1/4” SQ</td>
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<td>U-BOLT 3/4 X 4 X 6” SQ</td>
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<td>U-BOLT 3/4 X 6-1/8 X 7-1/2” SQ</td>
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<td>8K7025</td>
<td>TIRE 11L X 15” 10PLY FARM UTIL</td>
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<td>TIRE 11L X 15” LRF TBLS HWYSRV</td>
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<td>8K7033</td>
<td>11L X 15 LRF ON 15X8X6 WHEEL</td>
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<td>8K7035</td>
<td>11L X 15 10PLY ON 15X8X6 WHEEL</td>
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<td>8K7042</td>
<td>12.5L X 15 LRF ON 15X10X8 WHEEL</td>
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<td>NUT 5/8”-18 UNF WHEEL BOLT 97</td>
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<td>2ND IMPLEMENT JUMP HARNESS</td>
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<td>EX HRNSS NONDRAWBR DTSCH 07-09</td>
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<td>BRCKT SMV ATTCH 4-8” FRAME98</td>
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<tr>
<td>8K9102</td>
<td>PIN 1 X 4” CYL-FOR1/4” ROLL PIN</td>
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SECTION 5 - PART NUMBERS & DESCRIPTIONS

8X0240  NUT 1/2"-13NC HEX GR2 YZ  8X0242  NUT 1/2"-13NC NY-LOCK GR2 YZ  8X0244  NUT 1/2"-13NC FLANG TOP LOCK Z  8X0246  NUT 1/2"-13NC SERFLANG GR2 YZ  8X0250  NUT 5/8"-11NC HEX GR2 YZ  8X0251  NUT 5/8"-11NC JAM GR2 YZ  8X0253  NUT 5/8"-11NC NY-LOCK GR2 YZ  8X0256  NUT 5/8"-11NC SERFLANG GR2 YZ  8X0259  NUT 3/4"-10NC JAM GR2 YZ  8X0260  NUT 3/4"-10NC HEX GR2 YZ  8X0261  NUT 3/4"-10NC NY-LOCK GR2 YZ  8X0264  NUT 3/4"-10NC BEVL CNTRLCK YZ  8X0265  NUT 3/4"-10NC CNTRLCK GR2 YZ  8X0266  NUT 3/4"-10NC SERFLANG GR2 YZ  8X0268  NUT 7/8"-9NC HEX GR2 YZ  8X0269  NUT 7/8"-9NC JAM GR2 YZ  8X0270  NUT 7/8"-9NC CNTRLCK GR2 YZ  8X0272F NUT 7/8"-9NC TPLCK FLNG GRFPLN  8X0277  NUT 1"-8NC JAM GR2 YZ  8X0278  NUT 1"-8NC JAM TOPOLOCK GR2 YZ  8X0280  NUT 1"-8NC HEX GR2 YZ  8X0281  NUT 1"-8NC NY-LOCK GR2 YZ  8X0282  NUT 1"-14TP OTOLOCK GR B Z  8X0283  NUT 1"-1/4"-7NC JAM GR2 YZ  8X0284  NUT 1"-1/4"-7NC HEX GR2 YZ  8X0285  NUT 1"-1/2"-6NC HEX GR2 YZ  8X0286  NUT 1"-1/2"-6NC JAM GR2 YZ  8X0290  NUT 1"-1/4"-7NC HEXSLOT GR2 YZ  8X0292  NUT 2"-4.5 HVY HEXSLOT GR2 PLN  8X0292S NUT 2"NC HEXSLOT MACHIND 1.75"  8X0299  LOCKWASHER 1/4" EXT TOOTH SS  8X0300  LOCKWASHER 5/16" YLW ZNC  8X0301  LOCKWASHER 3/8" YLW ZNC  8X0302  LOCKWASHER 7/16" YLW ZNC  8X0303  LOCKWASHER 1/2" YLW ZNC  8X0304  LOCKWASHER 5/8" YLW ZNC  8X0306  LOCKWASHER 3/4" YLW ZNC  8X0307  LOCKWASHER 7/8" YLW ZNC  8X0308  LOCKWASHER 1 1/4" YLW ZNC  8X0309  LOCKWASHER 1" YLW ZNC  8Z0055  PLATE SERIAL NUMBER UNIVRSL  8X0311  LOCKWASHER 1-1/4" YLW ZNC  8Z0070  DECA L"SUMMERS" 1.25 X 6"  8X0312  WASHER 1/4" X 1-1/4" FENDER SS  8Z0075  DECA L"TRANSPRT LCK WARNING TILL  8X0315  LOCKWASHER 1-1/2" YLW ZNC  8Z0079  DECA L"SUMMERS" 5 X 20"  8X0316  WASHER 1" SAE FLAT YZ  8Z0087  DECA L"WARNING"PINCH POINT03-  8X0317  WASHER 3 1/4" SAE FLAT YZ  8Z0101  DECA L"SUMMERS"M94/04/06 2.25X9  8X0318  WASHER 3 1/4"(13/16"ID)FLAT YZ  8Z0110  DECA L ID M94 01-  8X0319  WASHER 17/32"IDX7/8ODX16GA YZ  8Z0114  DECA L ID M104 01-  8X0320  WASHER 3/8" (7/16" ID)FLAT YZ  8Z0115  DECA L ID M105 09-  8X0323  WASHER 5/8" SAE FLAT YZ  8Z0130  DECA L ID HYD FLD COIL PCKR 01-  8X0326  WASHER 1.X57"IDX2.75"OD PLN  8Z0276  DECA L GENERAL CAUTION 91-  8X0327  WASHER 1-1/4" SAE FLAT YZ  8Z0278  DECA L WHEEL TIGHTENING 96-  8X0328  WASHER 1.312"IDX2.5 OD 1-1/4" BL  8Z0342  DECA L INSTALL CYLINDER LOCKS  8X0329  WASHER 5/16"(3/8"ID)FLAT YZ  8Z0344  DECA L WING DANGER  8X0330  WASHER 17/32"ID X 1.25"OD YZ  8Z0346  DECA L ELECTROCUTION-TILLAGE  8X0331  WASHER 15/32"ID X 1.25"OD YZ  8Z0800  REFLECTOR AMBER ADHSVBC98-  8X0332  WASHER 1/4"(5/16" ID) FLAT YZ  8Z0805  REFLECTOR REDORANGE ADHSVBC99-  8X0355  WASHER 1-1/2"IDX2.25"X10GA PLN  8Z0810  REFLECTOR RED ADHSV-BACK 98-  8X0361  WASHER 1-3/4"ID X2.5"X10GA PLN  8Z1000  MANUAL-PAK 3DA X 11.75" 09-  8X0364  WASHER 2-1/2"IDX3.5"X 14GA PLN  8Z1111  OPER/SETUP MAN HYD FLD IMPLEMENTED
History of Summers Manufacturing Co., Inc.

1965 – Summers Manufacturing is founded by Harley Summers, who purchases patent rights for Goebel truck and pickup hoists from the Goebel Brothers of Lehr, ND. These hoists, produced in Harley Summers’ blacksmith shop the first year, were distributed nationwide by a Cincinnati, Ohio, dealer. With increasing sales, the company soon outgrows the small shop. Summers wins the Herman harrow contract, beginning the company’s Herman culti-harrow line. Summers builds a 7,200 square-foot factory in Maddock to meet the demand for truck and pickup hoists, as well as Herman harrors.

1969 – Firm incorporates and becomes officially known as Summers Manufacturing Company, Inc.

1970 – Summers purchases rights to manufacture/market the Herman Harrow.

1973 – Company builds new 20,000 square-foot plant and offices in Maddock, adding a 20,000 square-foot assembly plant in the fall of 1975 (completed in January 1976), bringing total square footage of Maddock factories to 47,000.

1977 – Summers introduces the Agri-sprayer, used in conjunction with the Herman culti-harrow to incorporate herbicides and liquid fertilizer.

1980 – Company purchases manufacturing and distributing rights to Crown rockpickers from Crown Manufacturers of Regina, Saskatchewan. This forces another expansion project—a 26,000 square foot factory on a 24 acre site in Devils Lake, ND Industrial Park.

1981 – Company establishes a branch facility in Regina, Saskatchewan.

1982 – Devils Lake plant begins operations in January, manufacturing supersprayers and rockpickers. The Maddock factory begins producing the Superweeder, a combination cultivator and harrow.

1983 – Summers buys manufacturing and distributing rights to the Fargo Field Sprayer line from Mid America Steel (formerly Fargo Foundry), Fargo. This field sprayer line is manufactured at the Devils Lake plant. Harley Summers is selected North Dakota’s small-businessman of the year by the Small Business Administration.

1984 – Herman Diamond Disk, a disk harrow made in a diamond shape to reduce blade breakage from rocks, comes off the assembly line.

1985 – Summers signs a contract with Melroe Company of Bismarck to obtain exclusive manufacturing rights to the Melroe harrow line.

1989 – Summers purchases TorMaster Company of Hordean, Manitoba, giving the company a line of rolling packer equipment, comprised of harrow packers and hydraulic fold coil packers.

1992 – A new engineering office/parts department is added to the Devils Lake factory.

1993 – Company adds two new products: a pickup-mounted sprayer with booms of 80 and 90 feet, and the Summers Superharrow, an extra-heavy-duty residue-management tool designed for the minimum and no-till farmer.

1994 – A 50 by 125 foot addition to the Maddock factory is completed. Construction begins on a 24,576 square-foot addition to the Devils Lake factory, which enables the company to increase production of truck-mounted and pull-type supersprayers and rockpickers.

1996 – 1500 square foot office area added to the Maddock plant. Company introduces Chisel Plow with floating hitch and 700# trip assembly.

1997 – 16,800 square foot warehouse in Maddock purchased from local business.

1999 - Company introduces the Ultimate suspended boom trailer sprayer with hydraulic folding booms. Additional sizes added to the Chisel Plow line, now ranging from 28’ to 54’.

2000 - Company introduces the Supercoulter, the innovative solution for excessive field residue management on no-till, minimum-till, and conventional-till farming operations.

2001 - Cold storage building completed at Devils Lake. Company extends boom lengths up to 110 feet on the Ultimate Supersprayer.

2002 - Company adds a warehouse and service man in Aberdeen, SD.

2003 - Company introduces the Ultimate NT Supersprayer featuring a bolt on axle for easier adjustment, and a new family of tanks that feature a drainable sump and a common width dimension.

2004 - A 124 ft. x 310 ft. addition is added onto the current Devils Lake plant.

2005 - The Summers Superroller is added to the “Field Tested Tough” product line. Additional sizes of 56’, 58’ and 60’ are added to the Superchisel line. Ultimate-Ultra NT Supersprayer introduced featuring 120’ & 133’ booms.

2006 - The Summers Coulter-Chisel, Rolling Choppers and 30’ Superroller were included in product line.

2007 - 62’ & 84’ 5 Section Landrollers and a 20’ Coulter-Chisel were introduced.

2008 - Disk-Chisels, ranging from 16’ to 40’ widths, are added to product line.


2010 – Rolling Basket and 47’ Diamond Disk added to product line. A 124 ft. x 310 ft. addition to Devils Lake factory built for a state of the art paint system.

2011 – Additional Supercoulter sizes were added along with larger tires for tillage implements. Ultimate and Ultra Supersprayers received an additional tank size of 1650 gallons. Front Caster Wheel option was made available for chisel implements.

2012 – 41’, 46’ & 53’ Trail Type Landroller added to product line. Additional Superchisel sizes of 16’ & 20’ were added.

2013 – DT9530 added to product line. Internal Scraper in Rolling Baskets introduced. Finishing Coultier Gang becomes standard on the Diamond Disk and 2510 DT. Corporate offices opened at Devils Lake plant. New building and location for the Aberdeen warehouse.

2014 – Introduced the VRT2530 (Variable Rate Tillage).

2015 – Introduced the VT Flex Applicator and Spray Fill Xpress.

Summers distributes on a wholesale level to dealers and distributors throughout markets in North Dakota, South Dakota, Minnesota, Montana, Iowa, Washington, Idaho, Oregon, Utah, Colorado, Kansas, Nebraska, Oklahoma, Texas, Manitoba, Saskatchewan, Alberta, British Columbia, Kazakhstan, Russia and Australia, making it an international company.
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