Pre-Delivery Manual
Discovator (Disc & Coulter)
Series VIII 8321, 8324, 8326, 8328, 8333, 8537, 8544, 8548 & 8552

Read the operator’s manual entirely. When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

Illustrations may show optional equipment not supplied with standard unit.
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Important Safety Information

Look for Safety Symbol
The SAFETY ALERT SYMBOL indicates there is a potential hazard to personal safety involved and extra safety precaution must be taken. When you see this symbol, be alert and carefully read the message that follows it. In addition to design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, prudence and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.

Be Aware of Signal Words
Signal words designate a degree or level of hazard seriousness.

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

WARNING indicates a potentially hazardous situation which, 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 which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

Use Adequate Lifting Means
The frame sections and gangs of this machine are extremely heavy. If using multiple lifters, make sure each is rated for at least its share of the load.

Prepare for Emergencies
▲ Be prepared if a fire starts
▲ Keep a first aid kit and fire extinguisher handy.
▲ Keep emergency numbers for doctor, ambulance, hospital and fire department near phone.
Be Familiar with Safety Decals

▲ Read and understand the “Safety Decals” section of the Operators Manual.
▲ Read all instructions noted on the decals.
▲ Keep decals clean. Replace damaged, faded and illegible decals.

Wear Protective Equipment

▲ Wear protective clothing and equipment.
▲ Wear clothing and equipment appropriate for the job. Avoid loose-fitting clothing.
▲ Because prolonged exposure to loud noise can cause hearing impairment or hearing loss, wear suitable hearing protection such as earmuffs or earplugs.
▲ Because operating equipment safely requires your full attention, avoid wearing entertainment headphones while operating machinery.

Avoid High Pressure Fluids

Escaping fluid under pressure can penetrate the skin, causing serious injury.

▲ Avoid the hazard by relieving pressure before disconnecting hydraulic lines.
▲ Use a piece of paper or cardboard, NOT BODY PARTS, to check for suspected leaks.
▲ Wear protective gloves and safety glasses or goggles when working with hydraulic systems.
▲ If an accident occurs, seek immediate medical assistance from a physician familiar with this type of injury.

Use Safety Lights and Devices

Slow-moving tractors and towed implements can create a hazard when driven on public roads. They are difficult to see, especially at night.

▲ Use flashing warning lights and turn signals whenever driving on public roads.

Use lights and devices provided with implement

Keep Riders Off Machinery

Riders obstruct the operator’s view. Riders could be struck by foreign objects or thrown from the machine.

▲ Never allow children to operate equipment.
▲ Keep all bystanders away from machine during operation.

Shutdown and Storage

▲ Lower implement, put tractor in park, turn off engine, and remove the key.
▲ Secure Discovator using blocks and supports provided.
▲ Detach and store Discovator in an area where children normally do not play.
Tire Safety

Tire changing can be dangerous and should be performed by trained personnel using correct tools and equipment.

▲ When inflating tires, use a clip-on chuck and extension hose long enough for you to stand to one side—not in front of or over tire assembly. Use a safety cage if available.

▲ When removing and installing wheels, use wheel-handling equipment adequate for weight involved.

Safety At All Times

Thoroughly read and understand the instructions in this manual before operation. Read all instructions noted on the safety decals.

▲ Be familiar with all machine functions.

▲ Operate machinery from the driver’s seat only.

▲ Do not leave machine unattended with tractor engine running.

▲ Do not stand between the tractor and machine during hitching.

▲ Keep hands, feet and clothing away from power-driven parts.

▲ Wear snug-fitting clothing to avoid entanglement with moving parts.

▲ Watch out for wires, trees, etc., when folding and raising machine. Make sure all persons are clear of working area.
Introduction

The Discovator has been designed with care and built by skilled workers using quality materials. Proper setup, maintenance, and safe operating practices will help the customer get years of satisfactory use from the machine.

Description of Unit

The Series VIII, 8321-8552DV Discovator is a three or five-section field finishing, one-pass tillage tool. Working width ranges from 21 to 52 feet. The implement is designed to combine discing/slicing, cultivating, harrowing and herbicide incorporation in a single pass. Various finishing attachments are available to customize your tillage and residue requirements for your operation.

Models Covered

- 8321DV 21-Foot 3-section
- 8324DV 24-Foot 3-section
- 8326DV 26-Foot 3-section
- 8328DV 28-Foot 3-section
- 8333DV 33-Foot 3-section
- 8537DV 37-Foot 5-section
- 8544DV 44-Foot 5-section
- 8548DV 48-Foot 5-section
- 8552DV 52-Foot 5-section

Document Family

- 550-353Q-ENG Assembly Manual
- 550-353Q Pre-Delivery Manual (this document)
- 550-353M Operator Manual
- 550-353P Parts Manual

Tools Required

- Basic Hand Tools
- Torque Wrench
- Fork Truck, Overhead Hoist or Loader

Pre-assembly Checklist

1. Before assembling, read and understand “Important Safety Information” in front part of this manual.
2. Have at least two people on hand while assembling.
3. Make sure area is level and free of obstructions (preferably an open concrete area).
4. Have all major components
5. Have all fasteners and pins shipped with Discovator.
Using This Manual

This manual was written to help you assemble and prepare the new machine for the customer. The manual includes instructions for assembly and setup. Read this manual and follow the recommendations for safe, efficient and proper assembly and setup.

An operator's and parts manual is also provided with the new machine. Read and understand "Important Safety Information" and "Operating Instructions" in the operator's manual before assembling the machine. Refer to the parts manual for proper part's identification. As a reference, keep the operator's and part's manual on hand while assembling.

The information in this manual is current at printing. Some parts may change to assure top performance.

Definitions

The following terms are used throughout this manual.

NOTICE

A crucial point of information related to the preceding topic. Read and follow the directions to remain safe, avoid serious damage to equipment and ensure desired field results.

Useful information related to the preceding topic.

Right-hand and left-hand as used in this manual are determined by facing the direction the machine will travel while in use unless otherwise stated. An orientation rose in some line art illustrations shows the directions of: Up, Back, Left, Down, Front, Right.

Figure 2
Right / Left
Shipping

The Discovator will be shipped pre-assembled as shown.

Refer to Figure 3

- The Discovator will be shipped with shipping stands that will not need to be returned to Great Plains.
- Models 8321-8328 will be shipped with hitch assembly un-installed on top of center frame.
- Wings will be connected to center frame and folded in transport positions.
- All hydraulics will be connected and purged.
- Shank mount assemblies will be attached to frames in proper locations.
- Pre-assembled light brackets will be banded to center frame.

Refer to Figure 4

- Gangs will be pre-assembled and banded together on pallets.
- Shank assemblies will be shipped in a box on a pallet.
- Finishing attachments (if equipped), will be pre-assembled and banded to pallet.
Unloading

Be sure the truck is on level ground, preferably concrete.

*Centering components:*
The Discovator is very heavy, be sure and use 2, 8000# fork trucks to unload machine. Be sure and center fork truck or chains (overhead hoist) on components so they won't slide and cause injury.

**Unload Smaller Items First**
Unloading the Discovator is a potentially dangerous operation.
Reduce risk and complications by first unloading
1. the gangs and finishing attachments
2. the misc. boxes
3. the Discovator (described in the next section)

**Unload Discovator**
4. Place these components well out of the maneuvering area needed for unloading the Discovator.
5. Double-check that all chains and tie-down straps have been released and stowed.
6. Set parking brake on trailer tractor.
7. Slowly lift the Discovator off trailer bed using two fork lifts.
8. Stop lifting about 12" above the bed.
9. Have the truck driver slowly pull the trailer straight out from under the Discovator.
10. Making sure to keep level from front to back and side to side, slowly lower the Discovator.
11. Lower the Discovator down until the shipping stands are about 12" off ground.
12. Remove shipping stands.
13. Remove tongue jack from field positions and put in storage position with foot of jack towards ground.
14. Slowly lower Discovator until it resting on the center transport tires and front tongue jack.

**Unpacking Boxes**

- Position boxes in area that you can maneuver components up to machine to assembly.
15. Carefully remove banding from boxes.
16. Carefully remove banding from gangs and finishing reels.
17. Locate and identify all components before assembling.

---

**Further Assistance**
Great Plains Manufacturing, Inc. wants you to be satisfied with your new Discovator. If for any reason you do not understand any part of this manual or are otherwise dissatisfied with the product please contact:

*Great Plains Service Department*
1525 E. North St.
PO Box 5060
Salina, KS 67402-5060

Or go to www.greatplainsag.com and follow the contact information at the bottom of your screen for our service department.
Assembly

Refer to Figure 5
8321-8328 Hitch Assembly

1. Carefully remove hitch assembly ① from top of center frame with overhead hoist or fork truck. Remove bolts ② from front of brace bar.
2. Attach hitch assembly ① with 1¼ x 7 Gr. 8 bolts ② and 1¼ top lock nuts.
3. Remove pin from jack ③ in storage position ④ and install on front of hitch and re-install pin to hold the front part of hitch.
4. Remove bolt ⑤ from h-bracket and align hole in turnbuckle ⑥ with h-bracket and re-install 1x9 Gr. 8 bolt ⑦.
5. Route hoses ⑦ along inside of hitch assembly tube through spring hose holder ⑧ and secure with hose clamps and 1/16 bolts ⑨.
6. Bolts may be tightened to specs, See “Torque Values Chart” on page 13.

Refer to Figure 6
8548-8552 Center Hub/Wheel Assembly

7. When models 8548 or 8552 are unloaded from truck, set the rear of machine on a minimum of 2, 32" stands and on the front of machine, take the tongue jack from field position on hitch and put it in the storage position towards front of hitch.

When machine is set down on jack and stands, attach Discovator to tractor as shown in “Operator’s Manual”, page 13 so the machine may be raised up and down for ease of installing components. This will also help to keep the machine from tipping while moving hydraulics to complete setup.
8. Raise the lift hydraulics ④ up before installing the hub and tire assembly ①.
9. Remove the 1/2 x 4 1/2 bolt ③ from hub assembly ① and slide tire and hub assembly into walking beam assembly ②.
10. Align holes in spindle and walking beam and re-install the 1/2 x 4 1/2 bolt ③ as shown.
11. Lug bolts may be tightened to specs, See “Torque Values Chart” on page 13.
12. Repeat same procedure for all wing wheel/tire assemblies.
Refer to Figure 7

8333-8552 Wing Wheel/Tires Assembly

Remove wing fold pins and carefully unfold wings. Be sure nothing is under the wings while unfolding.

13. Models 8333-8552 wheel/tire assemblies 1 will need installed on wings that were facing outside of truck.
15. Install wheel/tire assemblies 1 onto hub assembly 2, re-install the 9/16 lug nuts 3.
16. Lug bolts may be tightened to specs, See “Torque Values Chart” on page 13.
17. Repeat same procedure for all wing wheel/tire assemblies.

Refer to Figure 8

K-Flex Shanks Assembly

18. If machine is equipped with magnum shanks, See “Magnum Shanks Assembly” on page 10.
19. The shank mounts will be shipped in correct location from factory. If something got moved during shipping, go to layout section of “Operator’s Manual” for proper placement.
20. Locate shank assemblies from misc. box and remove the 5/8 x 2 bolt 1 from shank assembly 2.
21. Slide shank assembly 2 through slot in shank mount 3 and align holes as shown below.
22. Re-attach 5/8 x 2 bolt 1, secure with 5/8 lock nut.
23. Bolt 1 may be tightened to specs, See “Torque Values Chart” on page 13.
24. Repeat same procedure for rest of shanks.
Refer to Figure 9

Magnum Shanks Assembly

25. The shank mounts will be shipped in correct location from factory. If something got moved during shipping, go to the layout section of “Operator’s Manual” for proper placement.

26. The $\frac{1}{2} \times 1\frac{1}{2}$ bolt ① will need loosened clear up. The $\frac{3}{4}$ hex jam nut ⑤ should be shipped a little loose so the shank cradle can be pivoted to install the $\frac{5}{8} \times 2$ bolt ②.

27. Locate shank assemblies from misc. box and remove the $\frac{5}{8} \times 2$ bolt ② from shank assembly ③.

28. Slide shank assembly ③ through shank cradle in shank mount ④ and align holes as shown below.

29. Re-attach $\frac{5}{8} \times 2$ bolt ②, secure with $\frac{5}{8}$ lock nut.

30. Bolt ② may be tightened to specs, See “Torque Values Chart” on page 13.

   Re-tighten $\frac{1}{2} \times 1\frac{1}{2}$ bolt ① until threads bottom out.

Be sure and tighten $\frac{3}{4}$ hex jam nut ⑤ until thread bottom out to ensure that hole doesn’t wear excessively.

31. Repeat same procedure for rest of shanks.

Refer to Figure 10

Disc or Coulter Gang Assembly

32. The gang hanger assemblies ② will be shipped mounted to machine in proper location.

33. The L bundle number will be written on a blade of each disc or coulter gang assembly ①. See layout section of “Operator’s Manual” for proper placement.

34. Remove the 1 x 5$\frac{1}{2}$ pin ③ and the $\frac{3}{4} \times 2\frac{1}{2}$ pin ⑥ from gang hanger assemblies ② as shown.

35. Move disc or coulter blade assembly ① into positions with a fork truck or overhead hoist and align holes. Re-install the 1 x 5$\frac{1}{2}$ pin ③, secure with the $\frac{3}{8} \times 2\frac{1}{4}$ bolt ④ and lock nut. Re-install the $\frac{3}{4} \times 2\frac{1}{2}$ pin ⑥ to spring assemblies ⑤, secure with 3/4 flat washer and cotter pin.

36. All bolts may be tightened to specs, See “Torque Values Chart” on page 13. Bend over cotter pins.

37. Repeat same procedure for rest of gangs.
Refer to Figure 11

The 5-section Discovator will have the SMV sign mounted to center wing stop.

Lights and SMV Assembly

38. Carefully un-band the left and right hand light bracket assemblies ② from center frame and remove the ½ x 1 ½ bolts ① from light brackets.

39. Align the holes with the center frame plate ③ and re-install the ½ x 1 ½ bolts ①, secure with the ½ lock washers and ½ nuts.

40. Carefully un-band the SMV sign assembly ④ from rear of center frame and remove nuts and lock washers from SMV sign assembly. Attach SMV sign assembly ④ as close to center as possible to rear tube of center frame as shown and re-install the ½ x 4 ½ x 4 x 4 u-bolts ⑤, secure with ½ lock washers and ½ nuts.

41. Tighten all bolts to specs, See “Torque Values Chart” on page 13.

Refer to Figure 12

Hydraulic Gauge Wheel Assembly

Models 8544-8552 will be shipped without the wheel/tire assembly ① installed.

42. When the wings are unfolded, remove the ½ x 1 1/4 wheel bolts ② from hub assembly ②.

43. Attach the wheel/tire assembly ① to hub assembly ② and secure with ½ x 1 1/4 wheel bolts ③.

44. Tighten wheel bolts to specs, See “Torque Values Chart” on page 13.
Refer to Figure 13

Rear Hitch Assembly (optional)

The rear tow hitch will be shipped with big components banded together and bolts will be in a box. Carefully un-band the components.

45. Attach left and right rear hitch arms, rear hitch truss, rear truss support to center frame using 5/8 x 1 1/2 bolts, 5/8 x 3 1/2 x 5 1/2 u-bolts, secure with 5/8 lock washers and 5/8 nuts.

Do not tighten any bolts until every thing is installed.

46. Now install the rear hitch frame using 5/8 x 1 1/2 bolts, 5/8 x 4 1/2 x 4 1/4 u-bolts, secure with 5/8 lock washers and 5/8 nuts.

47. The bolt on sleeve assembly with rigid or flex slide may be fastened using 5/8 x 3 1/2 x 4 1/2 u-bolt, secure with 5/8 lock washers and 5/8 nuts.

48. Tighten all bolts to specs, See “Torque Values Chart” on page 13.

49. If machine is equipped with optional rear hitch accessory kit may be installed as shown in “Parts Manual” on page 146.

50. Route hoses and light harness along hitch and frame with hose clamps and hose wraps, provided.

Be sure hoses and light harness is fastened securely so they don’t drag or get pinched.

Completing Setup

51. If the Discovator is equipped with an optional finishing attachment, refer to “Parts Manual” for parts breakdown.

52. Once the options are installed, fold the Discovator to check for clearance and interferences. Slowly fold Discovator while watching that hoses and wiring harnesses do not become pinched or kinked while watching for interferences.

Double check that all bolts are tightened to specs, See “Torque Values Chart” on page 13. Consult the operating instructions, “Operator’s Manual”, for the first time field adjustments before going to the field.
## Torque Values Chart

<table>
<thead>
<tr>
<th>Bolt Size</th>
<th>Bolt Head Identification</th>
<th>Grade 2</th>
<th>Grade 5</th>
<th>Grade 8</th>
</tr>
</thead>
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<td>N-m</td>
<td>ft-lb</td>
<td>N-m</td>
<td>ft-lb</td>
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<td>19</td>
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<td>27</td>
<td>20</td>
<td>42</td>
<td>31</td>
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<tr>
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<td>22</td>
<td>47</td>
<td>35</td>
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<tr>
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<td>43</td>
<td>32</td>
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<td>70</td>
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<table>
<thead>
<tr>
<th>Torque Values Chart</th>
<th>Class 5.8</th>
<th>Class 8.8</th>
<th>Class 10.9</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm x pitch</td>
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<td>ft-lb</td>
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<td>17</td>
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<td>26</td>
</tr>
<tr>
<td>M 8 X 1</td>
<td>18</td>
<td>13</td>
<td>28</td>
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<tr>
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<td>33</td>
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<td>52</td>
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<td>105</td>
<td>225</td>
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<td>M16 X 1.5</td>
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<td>440</td>
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<td>230</td>
<td>650</td>
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<td>760</td>
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<td>M24 X 2</td>
<td>525</td>
<td>390</td>
<td>830</td>
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<td>M30 X 3.5</td>
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<tr>
<td>M36 X 2</td>
<td>1880</td>
<td>1380</td>
<td>2960</td>
</tr>
</tbody>
</table>

- **a.** in-tpi = nominal thread diameter in inches-threads per inch
- **b.** N·m = newton-meters
- **c.** mm x pitch = nominal thread diameter in mm x thread pitch
- **d.** ft-lb = foot pounds

Torque tolerance + 0%, -15% of torquing values. Unless otherwise specified use torque values listed above.

Disc or Coulter Gang Bolt Torque 1 1/2” 650-750 Foot-pounds (175 lbs on 4’ cheater).
## Tire Inflation and Warranty

### Tire Inflation Chart

<table>
<thead>
<tr>
<th>Wheel</th>
<th>Tire Size</th>
<th>Inflation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gauge Wheel</td>
<td>6.70L-15&quot; 4-ply</td>
<td>32 psi (221 kPa)</td>
</tr>
<tr>
<td>Gauge Wheel</td>
<td>7.50x10&quot; 10-ply</td>
<td>80 psi (552 kPa)</td>
</tr>
<tr>
<td>Transport/ Wings</td>
<td>9.5L-15&quot; 8-Ply</td>
<td>44 psi (303 kPa)</td>
</tr>
<tr>
<td>Transport/ Center</td>
<td>11L x 15SL 12-Ply</td>
<td>52 psi (359 kPa)</td>
</tr>
<tr>
<td>Transport/ Center</td>
<td>11L x 15&quot; Load F</td>
<td>90 psi (621 kPa)</td>
</tr>
<tr>
<td>Transport/ Center</td>
<td>12.5L x Load F</td>
<td>90 psi (621 kPa)</td>
</tr>
<tr>
<td>Transport/ Center</td>
<td>12.5L x 16.5&quot; Load G Galaxy</td>
<td>105 psi (724 kPa)</td>
</tr>
</tbody>
</table>

### Tire Warranty Information

All tires are warranted by the original manufacturer of the tire. Tire warranty information is found in the brochures included with your Operator's and Parts Manuals or online at the manufacturer's web sites listed below. For assistance or information, contact your nearest Authorized Farm Tire Retailer.

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Web site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firestone</td>
<td><a href="http://www.firestoneag.com">www.firestoneag.com</a></td>
</tr>
<tr>
<td>Gleason</td>
<td><a href="http://www.gleasonwheel.com">www.gleasonwheel.com</a></td>
</tr>
<tr>
<td>Titan</td>
<td><a href="http://www.titan-intl.com">www.titan-intl.com</a></td>
</tr>
<tr>
<td>Galaxy</td>
<td><a href="http://www.atgtire.com">www.atgtire.com</a></td>
</tr>
<tr>
<td>BKT</td>
<td><a href="http://www.bkt-tire.com">www.bkt-tire.com</a></td>
</tr>
</tbody>
</table>
Hydraulic Connectors and Torque

Refer to Figure 14 (a hypothetical fitting)

Leave any protective caps in place until immediately prior to making a connection.

NPT - National Pipe Thread
1. Note tapered threads, no cone/flare, and no O-ring.
2. Apply liquid pipe sealant for hydraulic applications.
3. Do not use tape sealant, which can clog a filter and/or plug an orifice.

JIC - Joint Industry Conference (SAE J514)
1. Note straight threads and the 37° cone on “M” fittings (or 37° flare on “F” fittings).
2. Use no sealants (tape or liquid) on JIC fittings.

ORB - O-Ring Boss (SAE J514)
1. Note straight threads and elastomer O-Ring.
2. Prior to installation, to prevent abrasion during tightening, lubricate O-Ring with clean hydraulic fluid.
3. Use no sealants (tape or liquid) on ORB fittings.
4. ORB fittings that need orientation, such as the ell depicted, also have a washer and jam nut (“adjustable thread port stud”). Back jam nut away from washer. Thread fitting into receptacle until O-Ring contacts seat. Unscrew fitting to desired orientation. Tighten jam nut to torque specification.

<table>
<thead>
<tr>
<th>Dash Size</th>
<th>Fitting</th>
<th>N-m</th>
<th>Ft-Lbs</th>
</tr>
</thead>
<tbody>
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<td>-4</td>
<td>1/4&quot;-18 NPT</td>
<td>1.5-3.0 turns past finger tight</td>
<td></td>
</tr>
<tr>
<td>-5</td>
<td>1/2&quot;-20 JIC</td>
<td>19-20</td>
<td>14-15</td>
</tr>
<tr>
<td>-5</td>
<td>1/2&quot;-20 ORB w/jam nut</td>
<td>12-16</td>
<td>9-12</td>
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<tr>
<td>-5</td>
<td>1/2&quot;-20 ORB straight</td>
<td>19-26</td>
<td>14-19</td>
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<td>-6</td>
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<td>3/4&quot;-16 ORB straight</td>
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</table>
8321-8333 Lift & Gang Layout
8321-8333 Fold Layout
8537 Lift & Gang Layout
8537 Lift & Gang Layout
8544-8552 Lift & Gang Layout
8544-8552 Lift & Gang Layout
8537-8552 Fold Layout
8537-8552 Fold Layout

- Green Retract to Cross Rod End Cylinders
- Green Extend to Cross Base End Cylinders
- Hose Wrap
- Clamps
- Rod End Cross to Tee Rod End Rear Cylinders
- Base End Cross to Tee Base End Rear Cylinders

Clamps
8321D Machine Layout, Disc
8321C Machine Layout, Coulter

![Diagram of 8321C Machine Layout, Coulter](image-url)
8324D Machine Layout, Disc
8324C Machine Layout, Coulter
8326D Machine Layout, Disc
8326C Machine Layout, Coulter
8328D Machine Layout, Disc
8328C Machine Layout, Coulter
8333D Machine Layout, Disc
8333C Machine Layout, Coulter
8537D Machine Layout, Disc
8537D Machine Layout, Disc

8537D Discovator Series VIII
Shank Layout 7” K-Flex Shown
8537C Machine Layout, Coulter

T-Turbo Gang
R-Ripple Gang

6 Blade Gang
551-576L LH T
551-596L LH R

7 Blade Gang
551-631L RH T
551-633L RH R

8 Blade Gang
551-582L LH T
551-602L LH R

Gang Hanger
551-640H

Gang Hanger
551-637H

10
8537C Machine Layout, Coulter
8544D Machine Layout, Disc
8544D Machine Layout, Disc
8544C Machine Layout, Coulter
8544C Machine Layout, Coulter
8548D Machine Layout, Disc
8548D Machine Layout, Disc
8548C Machine Layout, Coulter
8548C Machine Layout, Coulter

T - Turbo Gang
R - Ripple Gang

Gang Hanger 551-666H

9 Blade Gang
551-586L LH T
551-606L LH R

Gang Hanger 551-665H

8 Blade Gang
551-583L RH T
551-603L RH R

Gang Hanger 551-662H

10 Blade Gang
551-587L RH T
551-607L RH R

8 TYP
28
13
8
28 TYP
28
28
15
8
28
15
28
28
8552D Machine Layout, Disc

43206
8552D Machine Layout, Disc

8552D Discovator Series VIII
Shank Layout 7" K-Flex Shown
8552C Machine Layout, Coulter

T=Turbo Gang
R=Ripple Gang
8552C Machine Layout, Coulter
8321DV S7T Spike Drag
8321DV S5T HR Spike Drag
8321DV S4T Spike Drag W/ Reel
8321DV CH4B Coil Tine
8324DV HD 3 Bar Spike W/Reel
8324DV S5T HR Spike Drag
8324DV S4T Spike Drag W/ Reel
8324DV CH4B Coil Tine
8324DV CH3A Coil Tine W/ Reel
8326DV HD 3 Bar Spike W/Reel
8326DV S7T Spike Drag
8326DV S5T HR Spike Drag
8326DV CH4B Coil Tine
8326DV CH3A Coil Tine
8328DV HD 3 Bar Spike W/Reel
8328DV S7T Spike Drag
8328DV S5T HR Spike Drag
8328DV CH4B Coil Tine
8328DV CH3A Coil Tine W/Reel
8333DV HD 3 Bar Spike W/Reel
8333DV S7T Spike Drag
8333DV S5T HR Spike Drag
8333DV CH4B Coil Tine
8333DV S4T Spike Drag W/ Reel

11° Reel Assembly
589–5785
8333DV S4T Spike Drag W/ Reel
8533DV CH3A Coil Tine W/Reel

11' Reel Assembly
589-3785
8533DV CH3A Coil Tine W/Reel

11’ Reel Assembly 589–3785

11’ Reel Assembly 589–3785
8537DV HD 3 Bar Spike W/Reel
8537DV S7T Spike Drag
8537DV S7T Spike Drag
8537DV S5T HR Spike Drag
8537DVS4T Spike Drag W/ Reel

TP-69167

SPECIAL BRACKET WITH NOTCH AND 5/8” STOP BOLT (OUTSIDE WINGS)

6” Reel Assembly 589-373S

7” Reel Assembly 589-374S
8537DV S4T Spike Drag W/ Reel
853DV CH4B Coil Tine

42916
8537DV CH4B Coil Tine
8537DV CH3A Coil Tine W/Reel

6' Reel Assembly 589-373S

7' Reel Assembly 589-374S
8544DV HD 3 Bar Spike W/Reel
8544DV HD 3 Bar Spike W/Reel
8544DV S7T Spike Drag
8544DV S5T HR Spike Drag
8544DV S5T HR Spike Drag
8544DV S4T Spike Drag W/ Reel

TP-69169
8544DV S4T Spike Drag W/ Reel

11' Reel Assembly 589–3765
9' Reel Assembly 589–3765
7' Reel Assembly 589–3745
8544DV CH4B Coil Tine
8544DV CH4B Coil Tine
8544DV CH3A Coil Tine W/Reel

7" Reel Assembly
589-3745

9" Reel Assembly
589-3765
8544DV CH3A Coil Tine W/Reel
8548DV HD 3 Bar Spike W/Reel

Diagram of 8548DV HD 3 Bar Spike W/Reel with various measurements and components indicated.
8548DV HD 3 Bar Spike W/Reel
8548DV S7T Spike Drag
8548DV S7T Spike Drag
8548DV S5T HR Spike Drag

42930
8548DV S5T HR Spike Drag
8548DV S4T Spike Drag W/ Reel
8548DV S4T Spike Drag W/ Reel
8548DV CH4B Coil Tine
8548DV CH4B Coil Tine
8548DV CH3A Coil Tine W/Reel

6' Reel Assembly
569–3755

11' Reel Assembly
569–3782
8548DV CH3A Coil Tine W/Reel

Diagram of CH3A Coil Tine W/Reel with measurements and labels.
8552DV HD 3 Bar Spike W/Reel
8552DV S7T Spike Drag
8552DV S7T Spike Drag
8552DV S5T HR Spike Drag
8552DV S5T HR Spike Drag
8552DV S4T Spike Drag W/ Reel

TP-69173
8552DV S4T Spike Drag W/ Reel
8552DV CH4B Coil Tine
552DV CH4B Coil Tine
8552DV CH3A Coil Tine W/ Reel
8552DV CH3A Coil Tine W/ Reel
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chains and tie-downs ....................... 7
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