Model 800 Super Stubble Disc

Owner's Manual

Models - 2832B / 3232B

3632B / 3832B

Models - 2836B / 3236B

3636B / 3836B

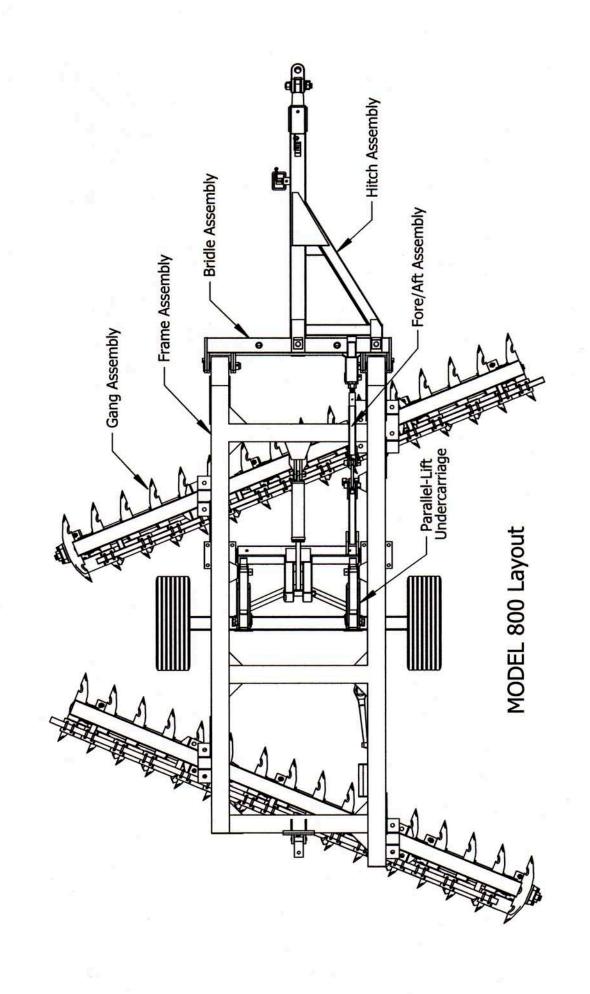


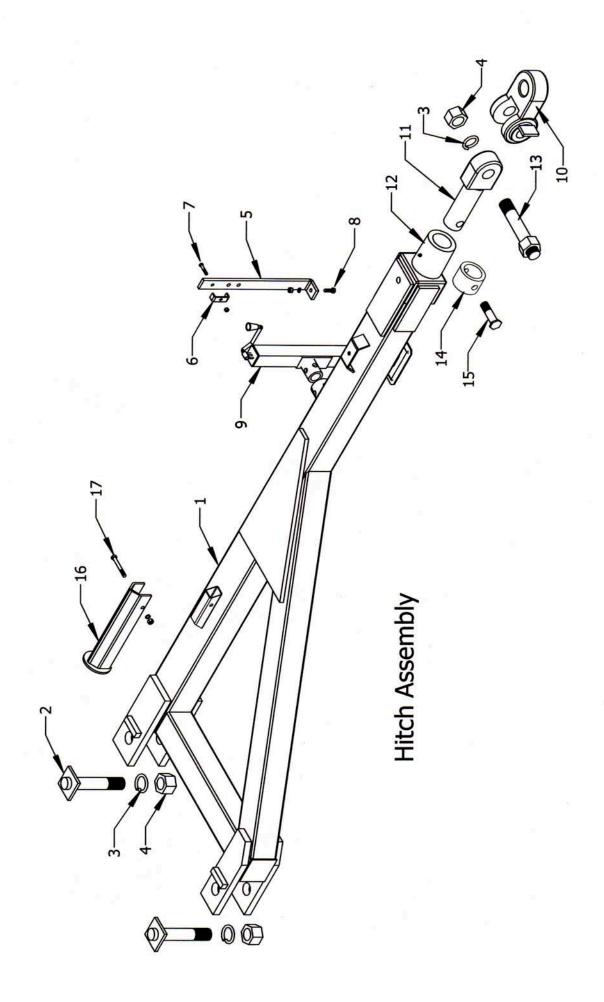
KELLO-BILT INC

#16-37337 Burnt Lake Trail Red Deer County, Alberta CANADA T4S 2K5 Phone (403) 347-9500 Toll Free: 1-877-613-9500

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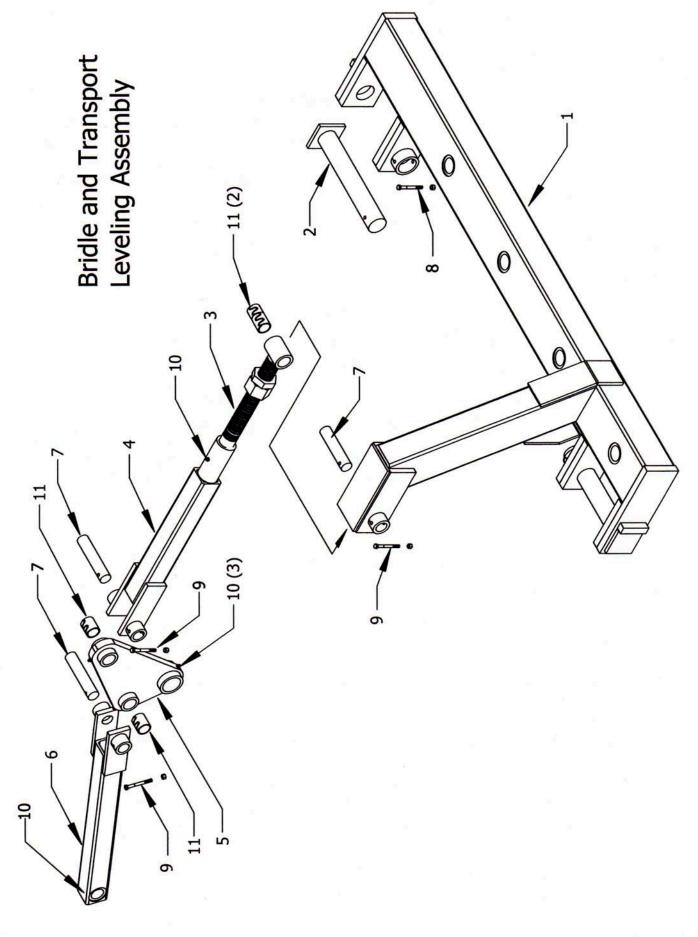
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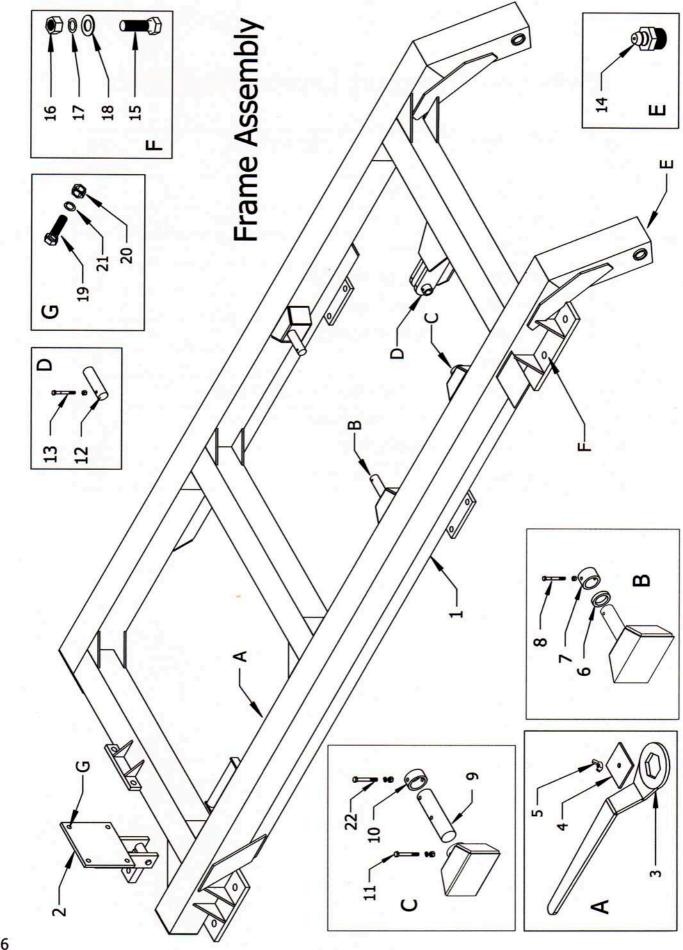
Hitch Assembly

| REF NO | PART NUMBER | DESCRIPTION | NO REQ |
|-----------|-------------|------------------------------|-----------|
| 1 | 8001004 | Hitch Assembly | 1 |
| 2 | 8001300 | 2" Fabricated Bolt | 2 |
| 3 | LW-200 | 2" Lock Washer | 3 |
| 4 | NC-200 | 2" Hex Nut | 3 |
| 5 | 501064054 | Hose Holder | 1 |
| 6 | TBX-50 | Hose Clamp | 1 |
| 7 | 038200B5 | Bolt c/w Nut and Lock Washer | 1 |
| 8 | 050150B5 | Bolt c/w Nut and Lock Washer | 1 |
| 9 | TBX-8H | Hitch Jack | 1 |
| 10 | 502040293 | Hitch Clevis | 1 |
| 11 | 502040264 | Hitch Pin | 1 |
| 12 | 502040245 | Receiver | 1 |
| 13 | 4561006 | Fabricated Bolt | 1 |
| 14 | 4561007 | Collar | 1 |
| 15 | 125500MB8 | Modified Bolt | 1 |
| 16 | CTS200 | Transport Stay | 1 |
| 17 | 050400B5 | Bolt c/w Nut and Lock Washer | 1 |



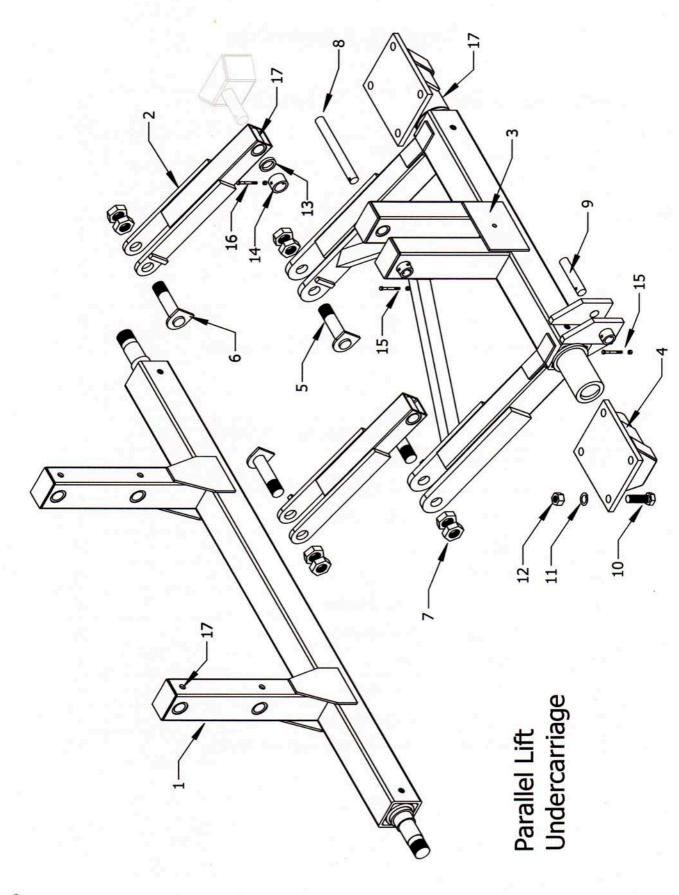
Bridle and Transport Leveling Assembly

| REF NO | PART NUMBER | DESCRIPTION | NO REQ |
|-----------|-------------|------------------------------|-----------|
| 1 | 8001003 | Bridle | 1 |
| 2 | 8001303 | Bridle Pin | 2 |
| 3 | 8001010 | Eyebolt | 1 |
| 4 | 8001008 | Top Leveling Bar | 1 |
| 5 | 8001005 | Level Control Pivot | 1 |
| 6 | 8001009 | Bottom Leveling Bar | 1 |
| 7 | 8001304 | Pin | 3 |
| 8 | 038400B5 | Bolt c/w Nut and Lock Washer | 2 |
| 9 | 138350B5 | Bolt c/w Nut and Lock Washer | 2 |
| 10 | 11100 | Grease Zerk | 6 |
| 11 | 50049923 | 1.5" Spring Bushing | 4 |



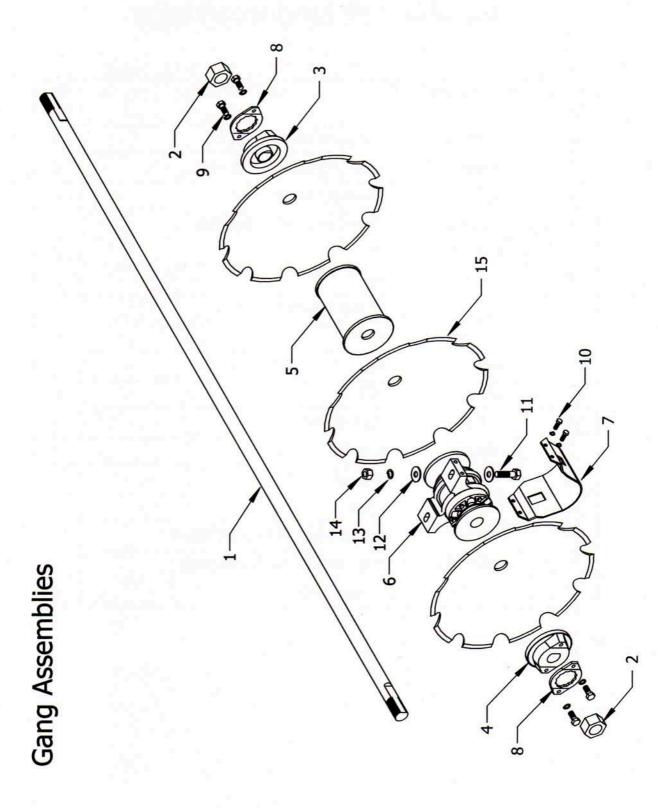
Frame Assembly

| REF NO | PART NUMBER | DESCRIPTION | NO REQ |
|-----------|-------------|------------------------------|-----------|
| 1 | 8001000 | Frame | 1 |
| 2 | 8001011 | Rear Hitch | 1 |
| 3 | 2R-81 | Gang Wrench | 2 |
| 4 | 3043010 | Hold Down Plate | 1 |
| 5 | NC-050-W | Wing Nut | 1 |
| 6 | 8001334 | Spacer | 2 |
| 7 | 8001102 | Collar | 2 |
| 8 | 038350B5 | Bolt c/w Nut and Lock Washer | 2 |
| 9 | 8001107 | Pivot Pin | 1 |
| 10 | 8001106 | Collar | 1 |
| 11 | 050400B5 | Bolt c/w Nut and Lock Washer | 2 |
| 12 | 8001305 | Pin | 1 |
| 13 | 038250B5 | Bolt c/w Nut and Lock Washer | 1 |
| 14 | 11100 | Grease Zerk | 2 |
| 15 | 150500B8 | Bolt | 10 |
| 16 | NC-150 | Hex Nut | 10 |
| 17 | LW-150 | Lock Washer | 10 |
| 18 | FW-150 | Flat Washer | 10 |
| 19 | 125350B8 | Bolt | 4 |
| 20 | NC-125 | Hex Nut | 4 |
| 21 | LW-125 | Lock Washer | 4 |
| 22 | 038400B5 | Bolt c/w Nut and Lock Washer | 1 |



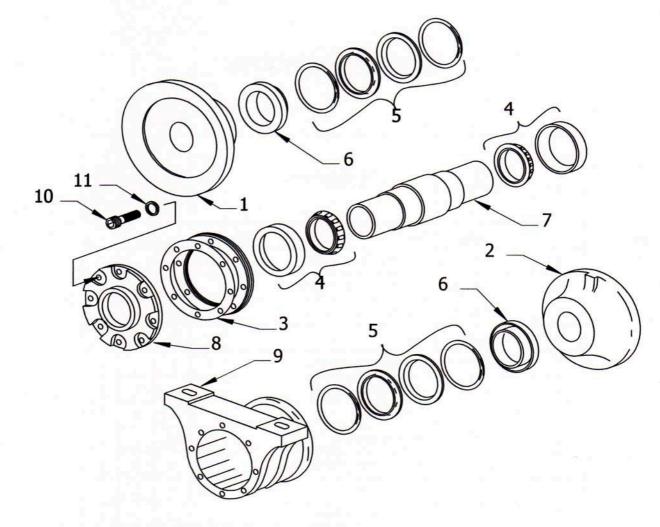
Parallel Lift Undercarriage

| REF NO | PART NUMBER | DESCRIPTION | NO REQ |
|-----------|-------------|------------------------------|-----------|
| 1 | 8001001 | Transport Wheel Carrier | 1 |
| 2 | 8001007 | Transport Equalizer Arms | 2 |
| 3 | 8001002 | Transport Lever | 1 |
| 4 | 8001006 | Transport Bearing Receiver | 2 |
| 5 | 8001302 | Pin | 2 |
| 6 | 8001301 | Pin | 2 |
| 7 | NC-200J | 2" Hex Jam Nuts | 8 |
| 8 | 8001306 | Pin | 1 |
| 9 | 8001304 | Pin | 1 |
| 10 | 125350B8 | Bolt | 8 |
| 11 | LW-125 | Lock Washer | 8 |
| 12 | NC-125 | Hex Nut | 8 |
| 13 | 8001334 | Spacer | 2 |
| 14 | 8001102 | Collar | 2 |
| 15 | 038350B5 | Bolt c/w Nut and Lock Washer | 2 |
| 16 | 038400B5 | Bolt c/w Nut and Lockwasher | 2 |
| 17 | 11100 | Grease Zerk | 8 |



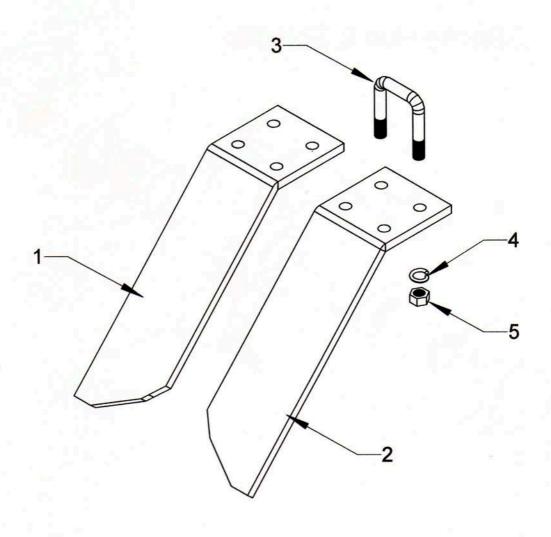
Gang Assemblies

| | | | | NO R | EQ'D | |
|-----------|----------------|---|------------------------------------|---------|---------|---------|
| REF NO | PART NUMBER | DESCRIPTION | 4 DISCS | 5 DISCS | 6 DISCS | 7 DISCS |
| 1 | 511018624 | Axle 21/2" Ø X 54.50" | 1 | | | |
| 1 | 511018625 | Axle 21/2" Ø X 68.50" | | 1 | | |
| 1 | 511018626 | Axle 21/2" Ø X 82.75" | | | 1 | |
| 1 | 511018627 | Axle 21/2" Ø X 98.75" | | | | 1 |
| 2 | 4N-225 | Axle Nut | 2 | 2 | 2 | 2 |
| 3 | 502010593 | Concave Axle Washer | 1 | 1 | 1 | 1 |
| 4 | 502010592 | Convex Axle Washer | 1 | 1 | 1 | 1 |
| 5 | 501068330 | Spacer Spool | 1 | 2 | 3 | 4 |
| 6 | 501047190 | Oil-Bath Bearing | 2 | 2 | 2 | 2 |
| 7 | 511016372 | Bearing Wear Plate | 2 | 2 | 2 | 2 |
| 8 | 501010348 | Axle Nut Lock | 2 | 2 | 2 | 2 |
| 9 | 063250B5 | Bolt / Lock Washer | 2 | 2 | 2 | 2 |
| 10 | 050100B5 | Bolt / Lock Washer | 4 | 4 | 4 | 4 |
| 11 | 125500B8 | Bolt | 4 | 4 | 4 | 4 |
| 12 | FW-125H | Hardened Flat Washer | 8 | 8 | 8 | 8 |
| 13 | LW-125 | Lock Washer | 4 | 4 | 4 | 4 |
| 14 | NC-125 | Hex Nut | 4 | 4 | 4 | 4 |
| 15 | 602044163 | 1/2" X 32" Notched Blade | | | | |
| 15 | 602044163HF | 1/2" X 32" Hard Surfaced Notched Blade | Varies with options and positions. | | | |
| 15 | 602048045 | 1/2" X 36" Notched Blade | | | | |



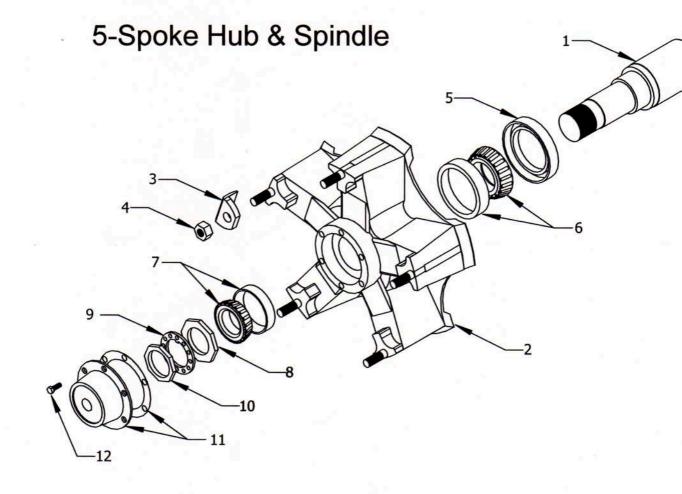
Oil-Bath Bearing Assembly

| REF NO | Part Number | DESCRIPTION | NO REQ'D |
|-----------|-------------|------------------------|-------------|
| | 501047190 | Complete Bearing Ass'y | |
| 1 | 502040167 | Concave Flange | 1 |
| 2 | 502040168 | Convex Flange | 1 |
| 3 | 503030034 | Gasket (Shim) | |
| 4 | 503010482 | Bearing, Cup & Cone | 2 |
| 5 | 503030029 | Duo-Cone Seal | 2 |
| 6 | 502040119 | Seal Retainer | 2 |
| 7 | 502040204 | Bearing Axial | 1 |
| 8 | 502010208 | End Cap | 1 |
| 9 | 502010318 | Bearing Housing | 1 |
| 10 | 501010920 | End Cap Bolt | 10 |
| 11 | 503010019 | Lock Washer | 10 |

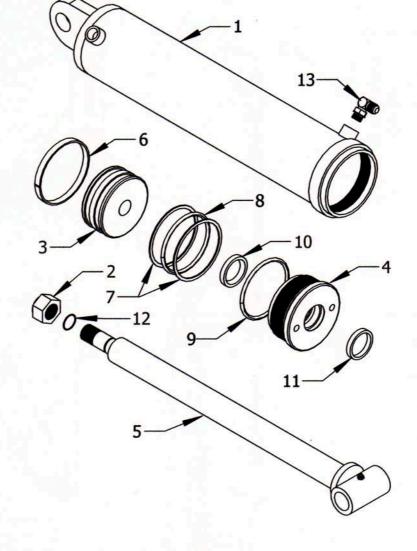


Scraper Assemblies

| REF NO | PART NUMBER | DESCRIPTION | NO REQ |
|-----------|-------------|--------------------|-----------|
| - 1 | K27730 | Right Hand Scraper | |
| 2 | K27700 | Left Hand Scraper | |
| 3 | 3027140 | 3/4" U-Bolt | 2 per |
| 4 | LW-075 | 3/4" Lock Washer | 2 per |
| 5 | NC-075 | 3/4" Hex Nut | 2 per |

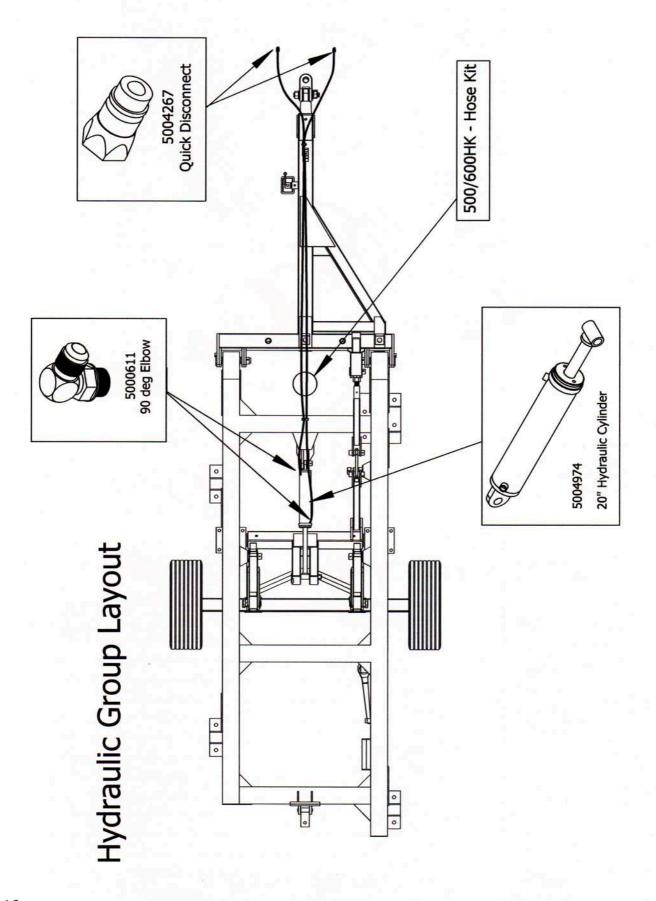


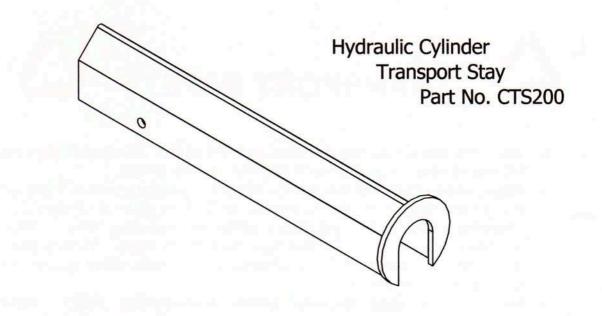
| REF NO | PART NUMBER | DESCRIPTION | NO REQ |
|-----------|--------------|---------------------|-----------|
| 1 | SPI-A19 | Weld-In Spindle | 1 |
| 2 | GUN TX 745K | 5-Spoke Hub | 1 |
| 3 | E-5571A | Wedge | 5 |
| 4 | E-4963 | Lug Nut | 5 |
| 5 | CRI 40133 | Seal | 1 |
| 6 | SKF BR663 | Cup and Cone | 1 |
| 7 | SKF HM212049 | Cup and Cone | 1 |
| 8 | E-540 | Large Lock Nut | 1 |
| 9 | E-573 | Lock Ring | 1 |
| 10 | E-572 | Large Lock Nut | 1 |
| 11 | 343-4009 | Dust Cap and Gasket | 1 |
| 12 | 031100B5 | Bolt | 6 |



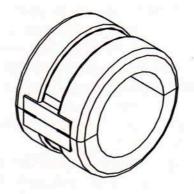
20" Hydraulic Cylinder - #C50-96A

| REF NO | PART NUMBER | DESCRIPTION | NO REQ |
|-----------|----------------|--|-----------|
| 1 | TUW50-96 | Barrel | 1 |
| 2 | WB62 | Lock Nut | 1 |
| 3 | PSO-55 | Piston | 1 |
| 4 | ISB50-20 | Gland | 1 |
| 5 | RODW50-96 | Rod | 1 |
| 6 | | Wear Ring | 1 |
| 7 | | Back-Up Ring | 2 |
| 8 | | O-Ring | 1 |
| 9 | | O-Ring | 1 |
| 10 | | Rod Seal | 1 |
| 11 | 10th View 11th | Rod Wiper | 1 |
| 12 | | O-Ring | 1 |
| 13 | 5000611 | 90 deg Elbow - MJIC 3/4"-16 to 3/4"-16 | 2 |
| | SKC50-86A | Seal Kit (consists of #'s 6, 7, 8, 9, 10, 11 and 12) | |





Depth Control Segments



| Part Number | Description |
|-------------|----------------|
| 501043620A | 1.00" Rod Stop |
| 501043688A | 1.50" Rod Stop |
| 501045100A | 2.00" Rod Stop |



TRANSPORT SAFETY



- Use care when hitching the disc to the tractor. Hands or fingers can be injured when caught between the hitch and the tractor.
- Never allow riders on the tractor or disc. Serious personal injury can result from falling in the path of the disc while in operation or transport.
- Observe laws and regulations while transporting disc. Never transport disc at speeds greater than 40 kph (25 mph). Reduce speed and exercise caution on turns, bridges, rough roads, steep grades and other adverse conditions.
- Install all locking devices before transporting disc. When transporting, raise disc to full height and place transport stays over all applicable hydraulic cylinder shafts and put wing locks in place (if required). Without these devices installed, the disc could fall during transport and cause injury to the operator or bystanders and/or damage to the disc and tractor.
- If the tractor is equipped with a swinging drawbar, lock the drawbar in the fixed position.
- · Use safety chains to secure the disc to the tractor during transport.
- Be sure warning devices are in place, clean and visible. Be sure a SMV emblem is attached to the rear of the disc as well as any other devices, such as accessory lights, required by local regulations.
- Use the proper size and grade of pin to attach the disc to the tractor.
- Check wheel bolts for tightness and ensure tires are properly inflated and free of cuts and abrasions. The failure of either of these components could cause the disc to swing uncontrollably and make it difficult to steer the tractor.
- Remove debris or loose soil from the disc before traveling on public roads. Falling debris and soil can be a hazard to following and approaching traffic.
- Do not tow another implement behind the disc unless proper modifications have been made and it is permitted by local ordinances.
- When transporting a wing disc, be careful of overhead power lines and overpasses.



OPERATION SAFETY



- Become familiar with the disc and its operation before using the unit.
 Read the Operator's Manual carefully and contact your dealer if you have any questions.
- Never allow riders on the tractor or disc. Serious injury could result from falling in the path of the disc while in operation or transport.
- Be sure bystanders are clear of disc before raising or lowering the disc and/or folding or unfolding the wings. Accidental movement of the controls or hydraulic failure could cause the disc and/or the wings to suddenly fall.
- Be sure bystanders are clear before operating the disc. Before
 entering the tractor, walk around the disc making sure no one is on, under
 or in front of the disc. Moving the disc while someone is between or in
 front of the gang assemblies could result in serious injury.
- Never work under a raised disc. Always lower the disc to the ground before inspecting or servicing. Never rely on the hydraulic system to hold the disc up.
- Use extreme caution when working around disc blades. The blades are sharp and could cut hands, legs, etc. Wear gloves to handle disc blades or gang assemblies.
- Before dismounting the tractor to service or make adjustments always:
 - 1. LOWER THE DISC TO THE GROUND
 - 2. SHUT THE TRACTOR OFF
 - 3. ENGAGE THE TRACTOR'S PARKING BRAKE
 - 4. RELIEVE THE HYDRAULICS BY MOVING THE CONTROL
 - 5. REMOVE THE KEY

Inadvertent or unintentional movement of the disc while working around the disc gangs could result in serious injury.

 Never operate a wing disc with the wings folded. A wing disc being operated with the wings folded may become unstable and affect the stability of the tractor.



- Before servicing the disc, always:
 - 1. LOWER THE DISC TO THE GROUND
 - 2. SHUT THE TRACTOR OFF
 - 3. ENGAGE THE TRACTOR'S PARKING BRAKE
 - 4. RELIEVE THE HYDRAULICS BY MOVING THE CONTROL
 - 5. REMOVE THE KEY
- · Never work under a raised disc.
- Periodically, visually inspect the disc. Look for hydraulic leaks and broken, missing or malfunctioning parts that may fail and cause personal injury. Make the necessary repairs.
- Use caution when inflating tires. Stand to one side away from the tire
 when inflating to avoid the possibility of personal injury due to blowoffs,
 etc. Never exceed the manufacturer's maximum PSI displayed on the
 sidewall of the tire.
- Before disconnecting any hydraulic line, relieve the hydraulic pressure. Hydraulic fluid escaping under pressure can have sufficient force to penetrate the skin causing serious personal injury. If injured by escaping fluid, obtain medical treatment immediately.
- Handle gang assemblies and disc blades with care. The disc blades
 are sharp and could cut hands, feet, etc. Wear gloves when handling the
 blades or gang assemblies. If the gang assemblies are removed from the
 disc for repair, use chock blocks to prevent the assembly from rolling.
- Purge air from the hydraulic system before operation. Always be sure
 the hydraulic lines and cylinders are free of air and do not leak. After
 connecting new parts, replacing old parts or servicing the hydraulic
 components, carefully cycle the hydraulic cylinders several times to purge
 air from the system and check all components for leaks.

ADJUSTMENTS AND OPERATION

HITCH THE TRACTOR TO THE DISC

- Use the proper size and quality drawbar pin.
 - Be careful of injuries to hands and fingers when hitching disc to tractor.
- Connect the hydraulic hoses to the tractor. Make sure the fittings are clean and free of dirt
 and grit. Dirty fittings may allow contaminants to enter the hydraulic system and damage
 hydraulic components. Check that the hoses have enough slack to allow for turning.
- Lower the jackstands, unpin, swivel into storage position and pin in place. To avoid any
 possible damage to the jackstand, remove completely during operation.

REMOVE ALL TRANSPORT AND WING LOCK DEVICES

On level ground:

Transport Locks - Lift the frame(s) slightly with the tractor hydraulics to relieve pressure on the lock device placed over the hydraulic cylinder shaft. Remove and store the lock device on the hose holder with the bolt provided.

Wing Locks - Before unfolding wings remove locking pins or arms. Be sure the disc is on level ground before folding or unfolding the wings. Do not fold or unfold the wings while in motion.

Never operate a wing disc with the wings in the folded position.

Before folding or unfolding wings, make sure hydraulic fold cylinders are charged with hydraulic oil. Failure to charge these cylinders may cause the wings to suddenly fall and cause serious damage or injury

MAKE SURE ALL ROUTINE MAINTENANCE HAS BEEN COMPLETED

- Grease all fittings.
- Check wheel bolts are present and tight.
- Check all gang nuts are present and tight.
- Check all nuts and bolts are present and tight.
- Visually check bearings for signs of oil seepage.
- Check hydraulic fittings are tight and free of leaks.
- Check all pins and their respective cotter keys are in place.
- Check tires are inflated properly and free of cuts or abrasions.

ADJUSTING DISC WORKING DEPTH

- Depth adjustment is best done in the field. Depth control is accomplished by using the
 tires to carry the disc. Depth control segments provided with the disc are placed over the
 hydraulic cylinder rod(s) to limit the upward movement of the tires. Use the combination
 of segments required to assure the desired disc penetration.
- SINGLE OFFSET DISCS Begin discing and, using the hydraulics, raise or lower the disc until it is working at the depth that gives the desired result. Stop the tractor. Insert enough depth control segments to cover the exposed portion of the hydraulic cylinder rod. Raise the disc and begin discing again. Now when the disc is lowered by retracting the cylinder, the segments will limit the rod travel and the wheels will raise only to the predetermined height assuring the desired penetration.

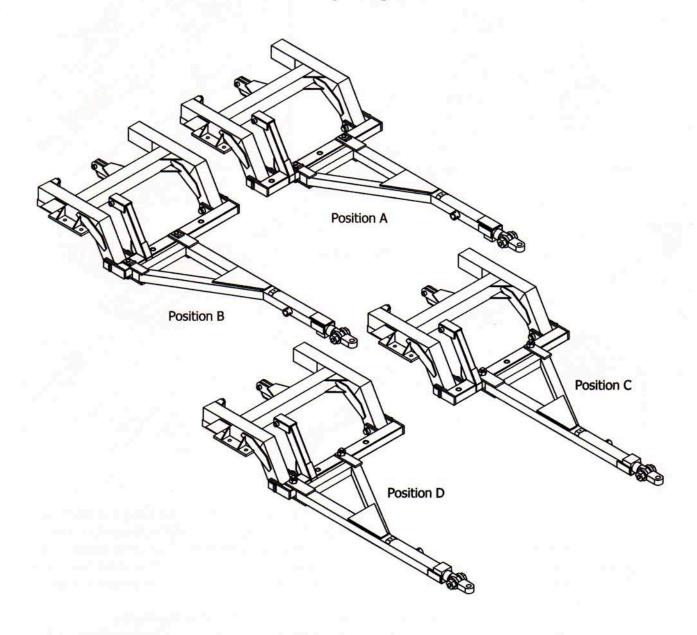
ADJUSTING GANG ANGLES

 The front disc gang of the Model 800 Heavy Stubble Disc is fixed at 23 degrees. The rear gang can be moved side-to-side in one of three positions.

GENERAL OPERATION

- Always raise the disc out of the ground before turning. When turning raise the disc just clear of the ground if pulling a harrow, roller or other attachment behind the disc.
- In the field <u>do not back-up</u> with the disc in the fully raised position. This will prevent the disc from overbalancing to the rear which may damage the control arms.
- Speed, depth and soil type all contribute to the levelness of the discing operation. To
 minimize ridging or gouging, limit discing speed to 4-6 mph. Properly adjust the fore/aft
 leveling control to be sure the disc is running level front to rear.
- In some instances levelness can be improved by replacing the lead corner blade(s) with a smaller (taper) disc blade. Ridging in the center of a tandem disc can be reduced or eliminated by slowing down and/or using smaller (taper) disc blades on the inside rear gang assemblies.
- On tractors equipped with a swinging drawbar, allow the drawbar to swing when working level or gently rolling fields or in severely rocky conditions. In all other conditions, lock the drawbar in the center position.
- Always lock a swinging drawbar in the center position before transporting the disc.

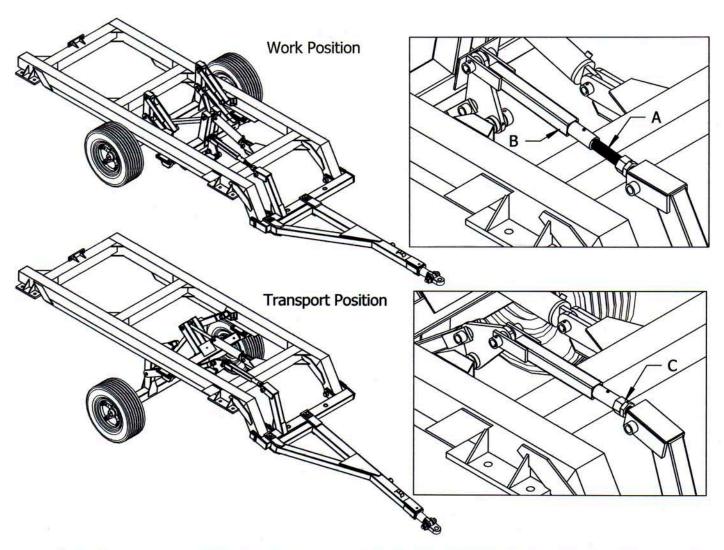
Hitch Assembly Adjustments



The draft of the implement can be changed by moving the hitch assembly to one of four positions. Position B is considered the center position and suitable for most conditions. Sliding the hich to Position A will cause the rear of the implement to move to the left when viewed from the rear looking forward. Flipping the hitch and attaching in either Position C or D will cause the rear of the implement to move progressively to the right when viewed from the rear looking forward.

NOTE: Towing another tool behind the disc will effect its draft.

Transport Leveling Adjustment



The implement can be adjusted so the frame is level front to rear for transport and when it is raised out of the ground to turn. This is accomplished by adjusting nuts (C) on eyebolt (A). In the lowered Work Position, the eyebolt (A) slides out of the tube (B). This allows the hitch/bridle assembly to "float" while discing. When the implement is raised to the Transport Position, the eyebolt (A) slides into the tube (B) until the tube contacts the nuts (C). At this point the hitch/bridle assembly no longer "floats" and becomes fixed relative to the frame.

If the frame is lower at the front in the raised Transport Position and pinned to the tractor:

Lower the frame to the working position to take pressure off the nuts (C). Turn the nuts clockwise (viewed from front of unit). Raise the implement to transport position and check for level. Repeat if necessary. Lock nuts

by tightening towards each other.

If the frame is higher at the front in the raised Transport Position and pinned to the tractor:

Lower the frame to the working position to take pressure off the nuts (C). Turn the nuts counterclockwise (viewed from front of unit). Raise the implement to transport position and check for level. Repeat if necessary. Lock nuts by tightening towards each other.

CAUTION: In the working position, the tube (B) must not be in contact with the nuts (C). The leveling linkage may be damaged if the hitch/bridle assembly cannot "float" in the work position.

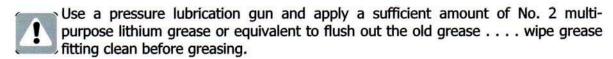
MAINTENANCE AND LUBRICATION

AFTER FIRST 8 HOURS OR 100 ACRES OF OPERATION

- Grease all zerks.
- Check bearings for signs of oil seepage.
- · Retighten bearing to bearing hanger bolts.
- · Retighten wheel bolts and check tire inflation.
- Check all hydraulic fittings are tight and free of leaks.
- · Check all pins and their respective cotter keys are in place.
- Remove nut locks, retighten gang nuts and reinstall nut locks.
- Retighten all frame to gang bar bolts and hitch to bridle bolts.

DAILY OR EVERY 10 HOURS OF OPERATION

Grease all zerks with the exception of the wheel hubs.



 Visually check for oil seepage from bearings and hydraulics, missing bolts or pins and loose or damaged running gear.

EVERY SEASON OR EVERY 6 MONTHS

 OIL BATH BEARINGS - Remove fill plug on the side of the bearing. The oil level should reach the bottom of the fill plug hole when the unit is level. If it does not, fill with a good quality SAE 90W gear oil until it runs out of the fill plug hole. Clean and replace the fill plug.



NOTE: After a prolonged period of storage and the expansion and contraction of the seals due to extreme temperature fluctuations, oil may be seen to seep from the seal area of the bearing. This is normal and the seals should reseat themselves when they are returned to service. Please check to ensure the seepage ceases and top up the oil if necessary.

- WHEEL HUBS Remove the wheel hubs, repack and preload the bearings.
- HYDRAULIC SYSTEM Carefully inspect all hydraulic hoses for leaks, abrasions and cracks.
 Replace hoses if necessary. Tighten all fittings.

MAINTENANCE INSTRUCTIONS

OIL-BATH BEARINGS

- Remove plug on side of bearing. Check that oil level is to bottom of plug hole. If necessary, top-up with a good quality 90W gear oil.
- Rebuilding the oil bath bearing should be done by a qualified technician. Check with your dealer or Kello-Bilt Inc. for details.

KEEP GANG ASSEMBLIES TIGHT

- Loose axles may bend or break or result in damage to other components of the gang assembly.
- Tighten the axle nuts every day during the first several days of operation when the disc is new or after replacing an axle or disc blade.
- · To tighten axle:
 - 1. Remove nut locks from axle washers on each end of axle.
 - 2. If the gang assembly is excessively loose, clean the mating surfaces between spools, bearings, end washers and disc blades.
 - 3. Loosen the bolts holding bearings to bearing standards.
 - 4. Place one wrench on gang nut to prevent shaft from turning.
 - 5. Use the other wrench and an extention (ie. pipe) or a sledge hammer to tighten the gang nut on the opposite end of the axle. Tighten until disc blades will not stop turning while operating. Recommended torque is 900-1100 ft/lbs with anti-seize compound applied to threads.
 - Retighten bearing bolts and install nut locks.



It is recommended to use an anti-seize compound on the gang axle threads and the nut lock bolts.

PERIODICALLY CHECK THE TIGHTNESS OF ALL FASTENERS

- Tighten all fasteners after the first day of operation. Inspect at regular intervals thereafter.
- Torque Chart for unlubricated plated UNC bolts:

| Bolt | Torque (ft-lbs) | |
|----------|-----------------|---------|
| Diameter | Grade 5 | Grade 8 |
| 3/8" | 27 | 38 |
| 1/2" | 68 | 94 |
| 5/8" | 132 | 180 |
| 3/4" | 233 | 323 |
| 7/8" | 375 | 525 |
| 1" | 555 | 788 |
| 1 1/4" | 1080 | 1500 |
| 1 1/2" | 1913 | 2625 |



Grade 5



Grade 8

CHECK TIRE PRESSURE REGULARLY

Recommended MAXIMUM tire pressure is:
 11L X 15 Highway Service Implement Tire - 45 PSI

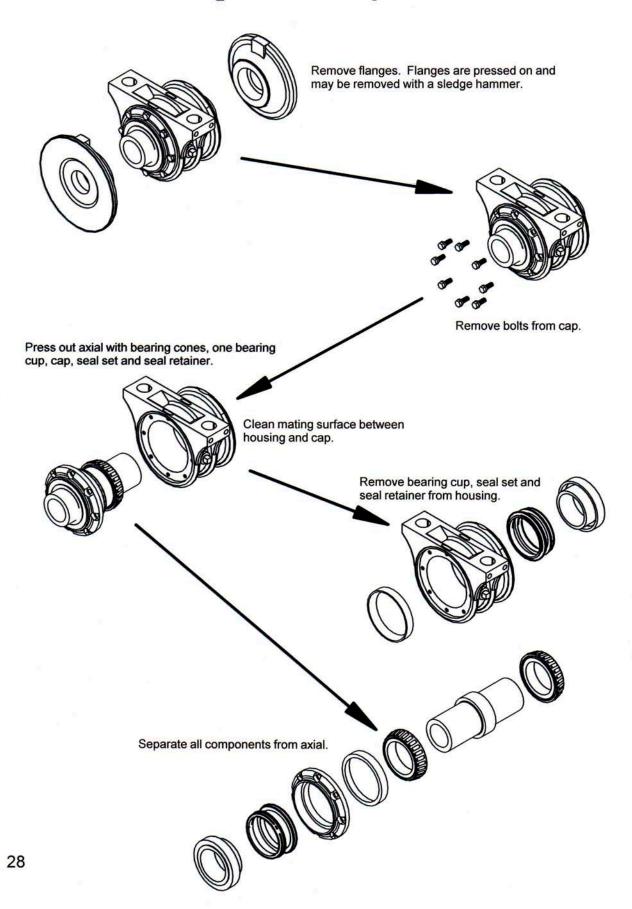
CHECK WHEEL BEARINGS FOR SIDE PLAY

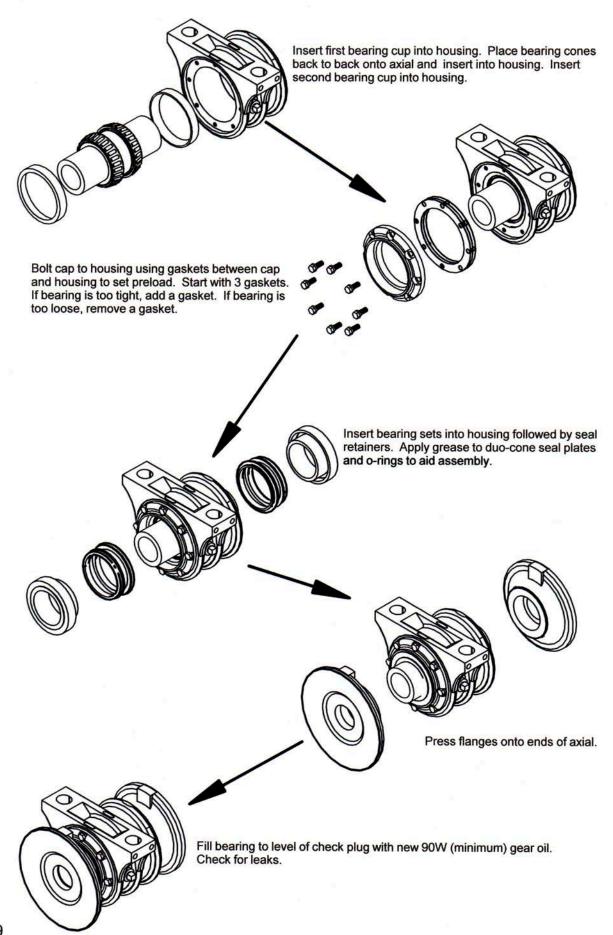
- Grease hubs weekly or every 60 hours.
- If side play is evident, remove dust cap and cotter key. Tighten slotted nut until there is a
 noticeable drag while turning the wheel. DO NOT BACK OFF THE NUT. Reinstall new
 cotter key and replace dust cap.
- In severe service or high usage conditions, clean and repack the hubs once each year. Replace bearings and seals if they are not in satisfactory condition. Clean all components with kerosene or other suitable solvent. Repack bearings with No. 2 multi-purpose lithium grease or equivalent. When placing the hub on the spindle, care must be exercised to avoid damaging the seal. To adjust bearing load, adjust the slotted nut until there is a noticeable drag while turning the wheel. Do not back the nut off. Secure the nut with a new cotter key. Reinstall dust cap making sure it is seated properly. Check for side play after first day or 10 hours of operation.

STORAGE

- If the disc is to be parked for an extended period of time:
 - Wash disc paying particular attention to bearing seal, hub seal and hydraulic cylinder seal areas.
 - 2. Unfold wings. In hot weather the hydraulic oil in the wing fold cylinders may expand sufficiently to cause the wing to unfold without warning.
 - 3. Lower disc to the ground to take pressure off tires and hydraulics. Put hitch jack in place and unpin from tractor.
 - Apply a light coat of grease to any exposed hydraulic cylinder shafts to prevent rusting or pitting.

Bearing Disassembly and Rebuild





WARRANTY

KELLO-BILT INCORPORATED warrants its products to be free of defects in material and workmanship for a period of twelve (12) months from the date of first use by the original purchaser at retail, under normal use and service. Defective parts must be returned to KELLO-BILT INCORPORATED at owner's expense for inspection. The obligation of KELLO-BILT INCORPORATED under this warranty shall be limited to shipment, to the original purchaser at retail, of the parts of the equipment intended to replace the part or parts acknowledged by **KELLO-BILT INCORPORATED** to be defective in material or workmanship and does not include any installation or transportation costs. No warranty is made with respect to items made by others, since such items are warranted by their respective makers. No liability is assumed for expenses or damages resulting from the malfunction or interruption in operation of equipment. This warranty shall not apply to any equipment, or any part thereof, which has been damaged in any accident, or by fire, flood, or Acts of God, or abused or misused, or which has been altered elsewhere than at the place of manufacture, or in which the original purchaser thereof, at retail, has used or allowed to be used, parts not made or supplied by KELLO-BILT INCORPORATED. KELLO-BILT INCORPORATED reserves the right at any time to make changes in the design, material, or specifications of machinery, equipment or parts without thereby becoming liable th make similar changes in machinery, equipment or parts previously manufactured.

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHER WARRANTY OF QUALITY, WHETHER EXPRESSED OR IMPLIED.

DISCLAIMER OF WARRANTY AND LIMITATIONS OF LIABILITY

- Except for the expressed warranty stated above, KELLO-BILT INC grants no warranties, either expressed or implied regarding products furnished hereunder, including all implied warranties.
- The sole liability of KELLO-BILT INC with respect to any contract or sale or anything done in connection therewith is to repair or replace the defective parts or machines it has provided. The liability of KELLO-BILT INC for any claim of any kind shall not exceed the purchase price of the machine or part sold which gives rise to the claim. Except for repair or replacement of the defective part or machine, KELLO-BILT INC shall have no liability for damages resulting from breach of contract, breach of expressed or implied warranty, negligence or result from the design, manufacture sale delivery, resale, inspection or repair of any machine or part.
- KELLO-BILT INC shall not be liable in any event for special, indirect, incidental or consequential
 damages resulting from any breach of contract, breach of expressed or implied warranty, negligence
 or strict liability in tort, including, by way of example but not limitation, loss of profits or revenue,
 loss of use of the machine or parts or associated equipment, expediting expenses, or cost of
 substitute equipment.



#207-37565 Highway 2 Red Deer County, Alberta CANADA TOC 2L0 Phone: (403) 347-9500 Fax: (403) 347-3724 email: kello@reddeer.net

WARRANTY REGISTRATION

TO ENSURE PROPER WARRANTY SERVICE FOR YOUR NEW KELLO-BILT PRODUCT, PLEASE MAIL OR FAX THIS COMPLETED FORM TO:

KELLO-BILT INC

#16 –37337 Burnt Lake Trail, Red Deer County, Alberta, CANADA T4S 2K5 Fax: (403) 843-3724

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