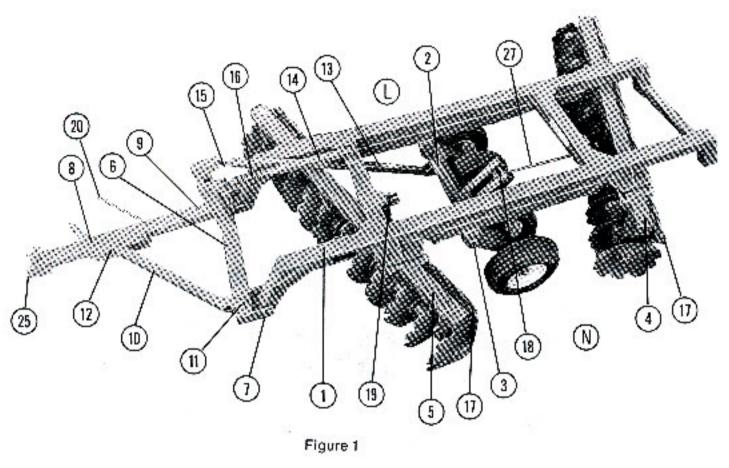
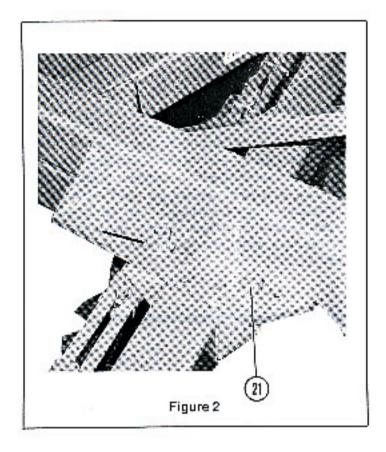
# Kello-Bilt Series '275' Offset Breaking Disc

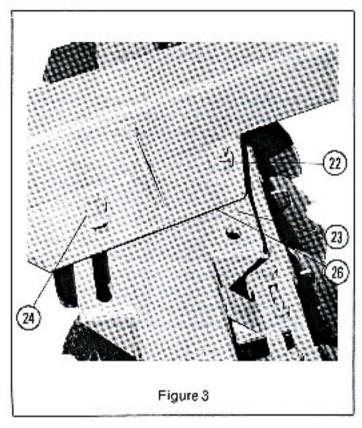
**Owner's Manual** 



Manufactured by Kellough Bros. Ltd.







### SET-UP INSTRUCTIONS

- To Install Wheel Carriage and Wheels: (Refer to Figure 1) Place wheel carriage(2) under the main frame(1) and attach frame with plng(3). Install 5/16 x 2 lock bolts in pins and tighten lock nuts securely. Install wheels on to hubs with wheel bolts provided and tighten securely.
- 2. To Attach Gang Bars to Frame: (Refer to Figure 1) Bolt rear gang bar(4) to mein frame(1) in center set of offsetting holes and in next-to-maximum engle with % x 3% bolts, install leveling washers on top of angling plates on long side of diso(L). Install leveling washers between gang bar and angling plates on narrow side of disc(N). Bolt front gang bar(5) to main frame in next to maximum angle with % x 3½ bolts. Install leveling washers same as rear gang.
- To Attach Hitch Bridle to Frame: (Refer to Figure 1) Place bridle(6) at front of trame(1) and attach with pine(7). Install look bells and tighten nuts securely.
- 4. To Attach Hitch Pole to Bridlet (Refer to Figure 1) Attach main hitch pole(8) to bridle(6) at lead corner(9) with 1 x 8 bolt. Attach hitch side arm(10) to opposite side of bridle(11) with 1 x 6 bolt. Join hitch pole and side arm with 1" pin at adjustable eye bolt(12). Tighten all bolts securely.

- 5. To Attech Fore-Aft Leveling Assembly: [Refer to Figure 1] Install short tube(13) to wheel carriage with 1" pin, Install long tube(14) with 1" pin. Slide short fore-aft eye boll(15) into bottom tube(13) (pinned to wheel carriage) and pin to bottom hole of bridle meet(6). Slide long fore-aft eye boll c/w spring and washers into top tube(14) (attached to main frame) and pin to top hole of bridle mest(6).
- 6. To Attach Scrapers: (Refer to Figure 1) Attach scraper bars(17) to gang bars (4 & 5) with carriage bolts provided. Attach scrapers to scraper bar with clamps and bolts provided use care to adjust scrapers close to discs but not rubbing.
- 7. To Double Wide Right and Left Hand Offsets: (Refer to Double Wide drawing). Set together following regular instructions except item No. 4 to attach hitch pole to bridle the hitch pole is attached to the opposite side from the lead corner and the side arm is attached to the lead corner with 1 x 8 bolt. Set left hand disc(1) stationary and pull right hand disc(1) along side leaving front gang of right hand disc behind front gang of left hand disc. Attach rear apreader bar(5) with pins. Attach front spreader bar(6) with pins, John right hand main hitch pole(3) with 1¼" pin(7). Adjust swivel flapper with 1 x 6 bolt for proper direction(8).

#### MAINTENANCE

Before operating the disc be certain that:

- All bolla are tight.
- 2. The disc exics are tight
  - NOTE Disc gange must be kept tight at all times!
- Wheel bearings are adjusted properly and lubricated with bearing prease.
- 4. Grease fore-aft tubes each day.
- After First Day of Operation Tighten all bolts and disc exiss, check wheel bearings for adjustment, oil threads on eye bolts and transport rod.
- Every Day Inspect and repair or replace broken or worn parts, check and/or tighten bolts and disc extes.
- Every 100 Hours Greace wheel bearings until grease shows outside wheel seals.
- Caution Wipe grease fitting clean before attaching pressure gun. Use clean lithium-base bearing grease and keep it clean. Keep tires properly inflated for long life but do not exceed 60 pounds pressure for proper flotation and protection of essociated parts.

### OPERATING INSTRUCTIONS

- Hydraulic Cylinder and Hoses: (Refer to Figure 1) A standard 8" stroke double acting hydraulic cylinder is required to lift disc. Two 18 ft. hydraulic hoses are needed to allow full offsetting and turning without hose damage.
- CAUTION: Be certain the rod or moving end of the cylinder is to the rear(16) with the butt end to the front at main frame(19). Fasten the hoses through hose stand(20) with enough stack to allow tractor to turn, but without enough to let hose drag.
- 2. Angle Changing: (Refer to Figure 1) To change angle. Relse disc on wheele unit discs are clear of ground. Remove bol1(21) and loosen the three remaining bolts. Slide gang bar forward or backward as desired. Replace bolf and tighten all bolfs securely. For ordinary conditions set both front and rear gangs in next to maximum angle, increase angles as required to suit conditions.
- 3. Offsetting Rear Gang Bar: (Refer to Figure 3) for ordinary conditions boll(22) should be in the centre of lateral plate(23). When using disc as a double wide unit the rear gang bar is adjusted to maximum width to fill turrow. Remove two bolls(22), loosen bolt where slots are(24), adjust laterally then retighten all bolts.
- 4. Offsetting The Hitch: (Refer to Figure 1) This unit is designed to trail straight behind the tractor. Minimum side draft will be obtained when the hitch is in line with outside beam of main frame. If more adjustment is required screw hitch side arm eye bolt(12) to desired position, then relighten jamb nut to reduce pressure on eye bolt thread.
- CAUTION: Tighten the hitch bolts to about 450 ft, hbs. torque (three foot wrench for average man). Loose hitch bolts will result in extensive damage to the hitch pole and hitch bridle,

### 5. Levelling:

- A. Front to Rear: (Refer to Figure 1) Width disc raised and hitch to tractor, adjust bottom fore-aft eye bolt[15) until main frame is level. Adjust fore-aft spring lock[16] until spring is snug. The top spring should be under some compression when discing, but should never be compressed solidly. NOTE: In general use as little pressure as possible when discing.
- B. Side to Side Levelling: (Refer to Figure 3) In general, adequate levelling from side to side may be obtained by placing levelling washers(26) between angling plate on frame and gang bar. Leveling washers are always used on narrow side(N) of discords.
- C. Penetration: It is better to reduce the angle of the gangs to decrease penetration rather than to gauge the penetration by use of the wheels. By use of this method, width of cut is increased and draft and fuel consumption in extremely soft or sandy soils, decreased. It may be necessary to use the wheels for additional leveling and gauging.

6. Transporting: (Refer to Figure 1) Disc may be transported without using hydrautic cylinder. Place the rod(27) through the hole in anchor on frame(1) and place clevis over transport block. Relie the disc until the cylinder has reached the end of its stroke. Insert pin in clevis and adjust transport rod nut until there is about §" between nut and transport anchor. Release pressure on hydrautic cylinder end remove. CAUTION: extreme care should be taken not to collapse the cylinder too much with the transport rod in transport position.

### POINTS TO CHECK IN OBTAINING THE BEST PERFORMANCE

### 1. Side Draft on Tractor.

- A. Adjust hitch for proper line, of draft.
- B. Reduce angle of front gang bar.
- C. Incresse angle of rear gang bar.
- D. Increase spring pressure slightly,
- E. Pul front wheel weights on tractor.
- F. Lower tractor drawbar and/or raise hitch flapper on disc.

### 2. Furrow Not Filled:

- A. Increese angle of rear gang bar.
- B. Offset rear gang bar to outside.
- C. Increese spring pressure slightly.
- C. Pul leveling spacer between main frame and gang bar on narrow side of disc.
- E. Position hitch pole on bridle to move disc in apposite direction.

### 3. Furrow Overfilled:

A. Adjust opposite to No. 2 above.

#### 4. Ridging on Rear.

- A. Reduce angle of rear drawbar.
- B. Decrease spring pressure.

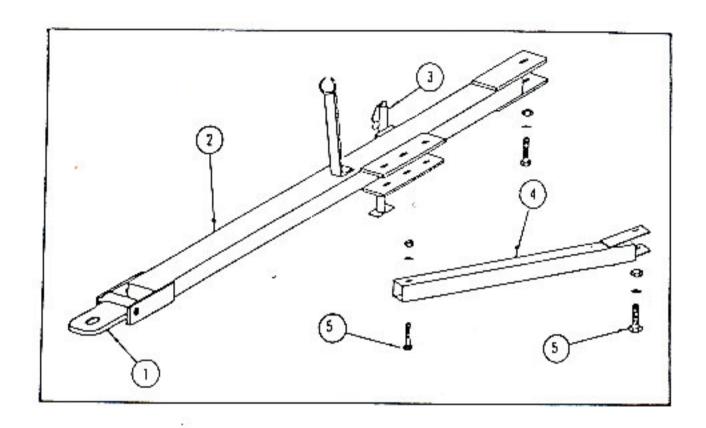
### 5. Disc Unstable Lateralty: (Plowing crooked furrow)

- A. Decrease spring pressure.
- B. Correct drawbar and/or hitch flapper height.
- C. Reduce angle of front gang bar.

### 6. Clogging Between Discs:

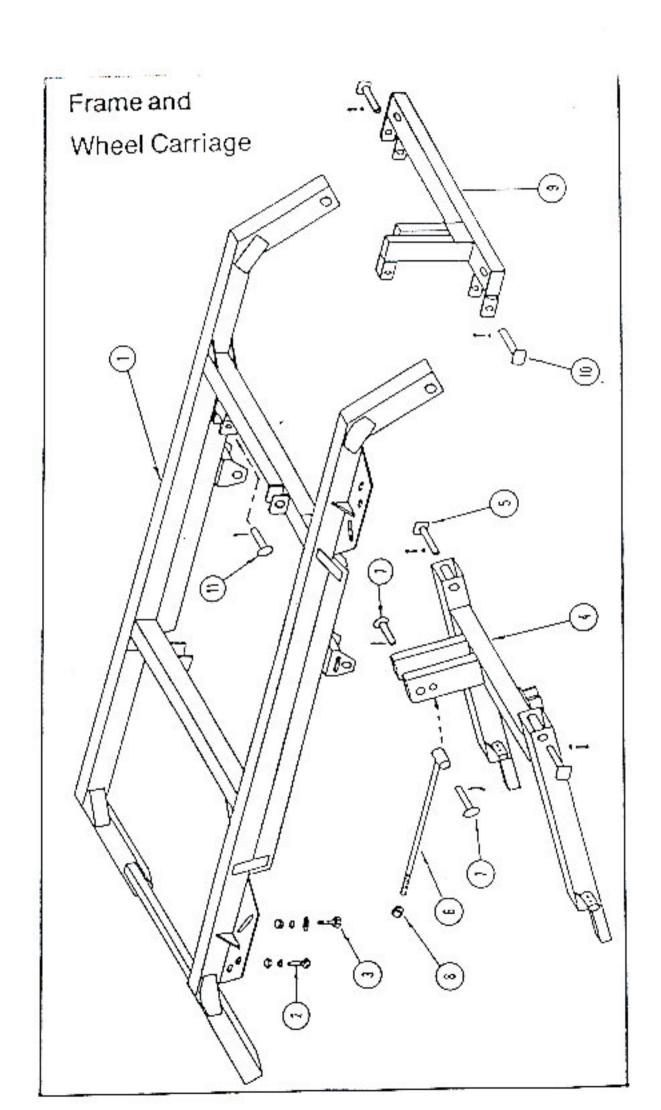
- A. Adjust scrapers properly.
- B. Decrease angle front and/or rear.
- C. Decrease depth of plowing.

# Kello-Bilt Series 275 Offset Disc



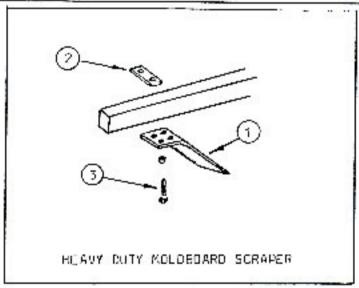
### HITCH ASSEMBLY

Item No.	Part No.	Quantity	Description
1	25001	1	Kitch Flapper
2	25003	13	Main Hitch Pole
3	25004	1	Jack
4	25006	1	Hitch Side Arm
5	25007	3	1¼" x 7" NC Bolt Lockwasher & Nut



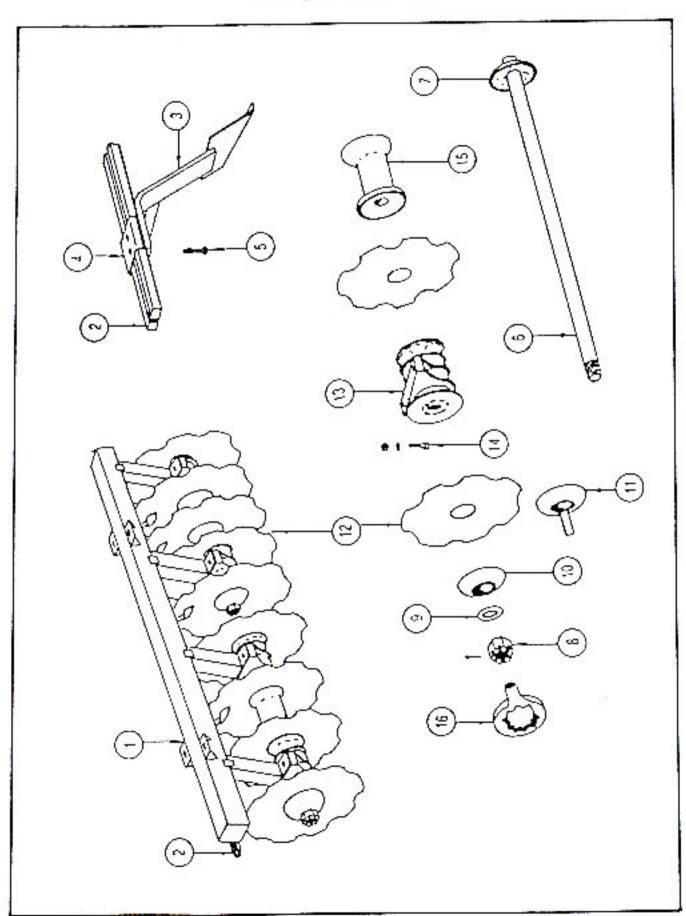
## Frame and Wheel Carriage

ITEM No.	PART No.	QUANTITY	DESCRIPTION
1	25011	1	Main Frame Assembly
2	25012	4	1" x 3½" Bolt, Washer & Nut
3	25013	4	1" x 31/2" Bolt, Washer, Nut, & Spacer
4	25014	1	Wheel Carriage Assembly
5	25015	2	Wheel Carriage Pivot Pin
6	25016	1	Transport Rod
7	25017	1	Transport Rod Pin
	- Colored Colored	1	Cylinder Pin
8	25018	1	Transport Rod Nut
g	25019	1	Hitch Bridle Assembly
10	25020	2	Hitch Bridle Pins
11	25027	1	114" x 5" Pin c/w Cotter Pin



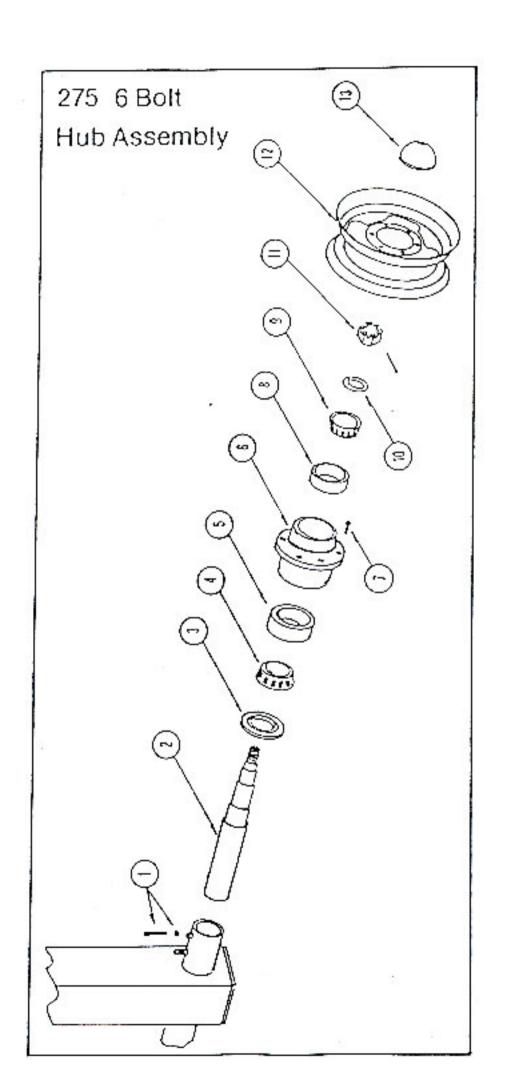
LIEM NO	PART NO	ULIAN 73 TY	DC SCRIPTION
1	22589R		Right Hand HD Moldboard Scrape:
1	22589L		Left Hand HO Moldboard Scraper
2	22590	Z per	Scraper Clis
3	22591	4 per	l" X 4" NE Gr5 Belt, Nut & LW

Gang Assembly



# Gang Assembly

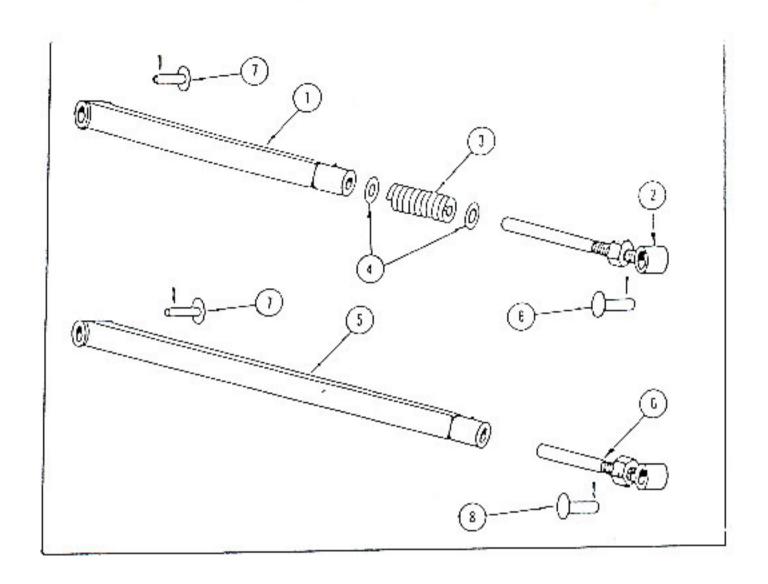
Item No.	Part No.	Quantity	Description
1	27570F-8	1	Front Gang Bar 8 F1. Disc
1	22528F-9	1	Front Gang Bar 9 Ft. Disc
1	22528F-10	1	Front Gang Bar 10 Ft. Disc
1	22526F-11	1	Front Gang Bar 11 Ft. Disc
1	22528F-12	1	Front Geng Ser 12 Ft. Disc
1	22528F-14	1	Front Gang Bar 14 Ft. Disc
1	22528R-8	1	Rear Gang Ber 8 Ft. Disc
1	27528R-9	1	Rear Gang Bar 9 Ft. Disc
1	225289-10	1	Hear Gang Bar 10 Ft. Disc
1	22528R-11	τ	Rear Gang Bar 11 Ft. Oisc
1	22578R-12	1	Rear Gang Bar 12 F1, Disc
1	225288-14	1	Hear Gang Bar 14 F1, Disc
2	22529	1	84" Scraper Bar
2	22530	1	90" Scraper Bar
2	22531	1	95" Scraper Bar
2	22532	1	100" Scraper Bar
2	22533	1	105" Scraper Bar
2	22534	1	115" Scraper Bar
2	22535	1	125" Scraper Bar
2	22536	1	135" Scraper Bar
2	27637	1	145" Scraper Ber
2	22538	1	155" Scraper Bar
3	22539R	7-15	Right Hand Scraper
3	22539L	7-15	Left Hand Scraper
4	22540	15-32	Scraper Clip
5	22541	2 Per Scraper	15" x 212" Carriage Bolt, Nut & Lockwasher
6	22542	1-4	Gang Shali 40" Long x 2 3/16" Rd.
6	72543	1-4	Gang Shaft 51" Long x 2 3/16" Rd.
6	22544	1-4	Gang Shaft 62" Long x 2 3/16" Rd.
6	22545	1-4	Gang Shall 72" Long x 2 3/16" Rd.
6	27546	1-4	Gang Shafi 81" Long x 2 3/16 " Rd.
7	22547	4.5	Weld-On Bull Plate
б	27546	4.5	21/1," Hex Nut c/w Lock Balt
g	22549	4-5	2%," Flat Washer
10	22550	4.5	2½" End Washer Spacer
11	22550-D	1	21/4" End Washer Spacer c/w Driver
12	20-6218	931	%" ≥ 26" Notched Blade
12	20-5049	1	14" x 24" Notched Blade
12	20-4382	1	'A" x 22" Notched Blade
13	0501040387	8-10	Oil Bath Double How Tapered Roller Bearing
14	22567	16-20	%" x 4" NC Bolt, Nut, L.W. & F.W.
15	кв167-625	7-15	10%" Steel Full Spool
16	22562	1	2%4" Gang Wrench



# 275 6 Bolt Implement Hub Assembly Capacity 5000 lbs.

### Maximum Speed 20 m.p.h.

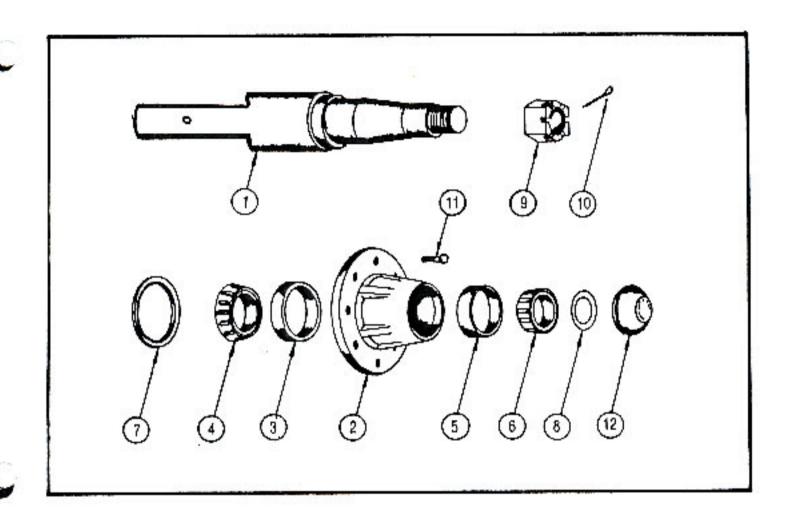
No.	PART No.	QUANTITY	DESCRIPTION
1	25051	2	1/2" x 2" NC Sq. Head Set Screws c/w Half Nu1
2	S614-A15	1	2" x 12" Spindle
3	SE16	1	Seat
4	LM603049	1	Bearing Cone
5	LM603011	1	Bearing Cup
6	HG14	1	Hub
7	WB12	6	9/16"-18 x 1 ¼ "NF Wheel Bol1
В	LM48510	1	Bearing Cup
9	LM48548	1	Bearing Cone
10	WA-13	1	1" SAE Plain Washer
11	W6-33	1	1" NF Castellated Hex Nut & 3/16" x 11/2" Cotter Pin
12	1581-624-1	1	15" x 8" x 6 Bott Imp. Rim (White)
13	DC-15	1	Dust Cap



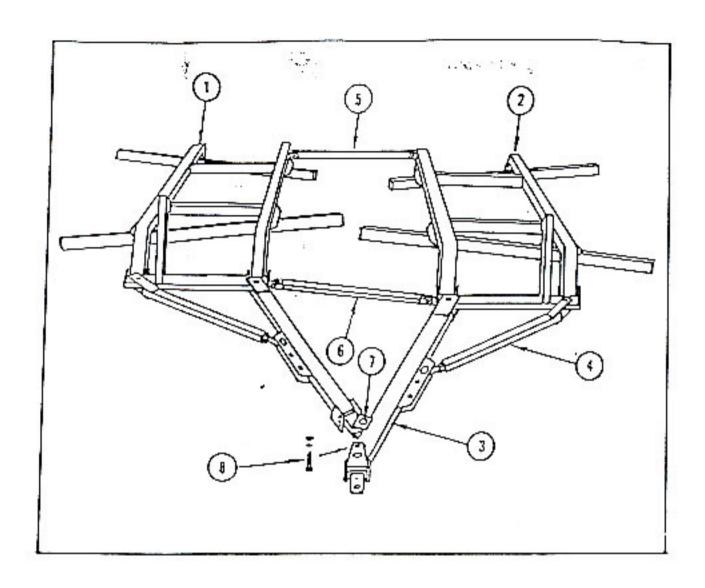
Fore Aft Control Assembly

lem No.	Part No.	Quantity	Description
1	25021	1	Top Fore Aft Tube
2	25022	1	Top Fore Alt Eye Bott
3	AWU65	11	Spring
4	25023	2	11/5" Flat Washer
5	25024	1	Bottom Fore Aft Tube
6	25025	1	Bottom Fore Alt Eye Bolt
7	25026	2	114" x 5" Pin c/w Cotter Pin
9	25027	2	114" x 5" Pin clw Cotter Pin

## 8-Bolt Implement Hub Assembly

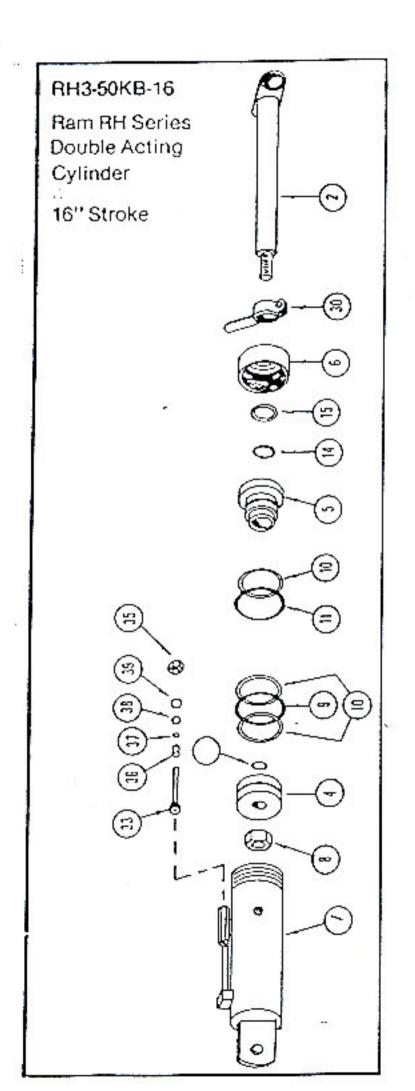


Item No.	Part No.	Quantity	Description	
1	S812-A03	1	244"x14"4" Spindle Stapped down to 2" MACHINE	
2	HD812	1	Hub	
3	3720	1	Inner Bearing Cup	
4	3780	1	Inner Bearing Cone	
5	2720	1	Outer Bearing Cup	
6	2790	1	Oute: Bearing Cone	
7	SE17	1	Grease Seal	
- 8	WA17	1	Spindle Washer	
9	WB33	1	1" NF Castellated Hex Nut	
10		1	Cotter Pin %," x 11/2"	
11	WB12	8	1/4" x 114" NF Wheel Bolt	
12	DC17	1	Dust Cap	
N5	1681-813-1	1	16x8x8 Bolt Wheel	
CO. S. T. T. CO. (C. )	- Landau Control	11.0		



Double Wide Disc Assembly

Item No.	Part No.	Quantity	Description
1	25011	1	Right Hand Main Frame Assembly
2	25011	1	Left Hand Main Frame Assembly
3	25003 DW	1	Main Hitch Pole for Double Wide Offset
4	25006	2	Hitch Side Arm
5	25052	1	Rear Spreader Bar clw Pins
6	25053	1	Front Spreader Bar c/w Pins
7	25054	1	Flapper Pin
9	25055	1	1" x 6" Boll, Lock Washer & Nut



### Ham RH3-50 KB-16 Cylinder 5" x 16" c/w Hydraulic Depth Control

	Item No.	Part No.	Quantity	Description
	1	R-1414A	t	Barrel S.A.
	2	R-1567A	1	Shaft S.A.
	4	R-3517	1	Piston
	5	R-2016	1	Gland
1-1-1-	6	R-3009	1	Retaining Nut
	8		1	1 1/4" UNF Locknut
	g		1	O Ring No. 425 41/2" x 5" Duro 90
	10		3	Back up Washer No. 425
	11		1	O Ring No. 425 41/2" x 5" Duro 90
	12	- International Control of the Contr	1	O Ring No. 216 Duro 70
	14		1	Polypak 2" x 216" x 5/16" Cased
	15	-46	1	Wiper 2" x 2 1/4" x 3/16" Cased
	30	R-6040A	1	Shaft Clamp 2" Rd
	33	R-6008	1	Valve Stem & Poppet
	35	R-6006	1	Valve Head ·
	36	R-6007	1	Valve Sleeve
	37	1000	ī	O Ring No. 009 Duro 70
-	38		1	Back Up Washer No. 009
	39		1	O Ring No. 114 Dura 70
	40	HDLSK	1	Repair Klt Consists of 37, 38, 39
		FI3-50-2	1	Repair Kit Consists of
				9, 10, 11, 12, 14, 15

### Kello-Bilt Warranty Information

#### To The Purchaser

Kello-Blit Industries Ltd. warrants its products to the original owner for a period of one year from date of purchase. All matters related with the warranty of our products must be handled through the authorized selling dealer. Warranty does not cover normal wear of the disc components or damages caused by lack of maintenance or misuse, and is subject to the following provisions:

SUBJECT TO THE LIMITATIONS HEREINAFTER CONTAINED, overy new Farm implement (as calling) in The Ferm implement Act, Chapter 20 S.A. 1967 and amendments thereig! If described in this parts manual and if purchased by a farmer for his own use, is covered by the way and ACT AND NO DTMER.

#### UMITATIONS OF WARRANTY

- Original Purchaser Only: This said warranty is to the original purchaser only and to no other person.
- Oursillor: The cureillon of time films of the sald werranty (rereinafter called the warranty period) shall be one (1) year from the date that the new farm implement is first used within the first normal season of use for its intended oursose.
- S. Replacement or Repek Only: The sole liability for breach of the said warranty shall be to replace or repair free of charge including installation, at the Seller's place of business, any parts which prove to be detective within the warranty period, under reasonable operating conditions and proper use, care and maintenance; the said defootive part or parts are to be returned to the Seller within 30 days of being found caloctive; ININO EYENT shall there be any liability for any consequential demages such as demages for loss of use or loss of politic respendes, out of pocket or otherwise.
  - 4. Replecement Paris: Will be werranteed for a period of 90 days.
- Labor: Any labour subject to warranty must be authorized by a Kello-Bilt Industries.
   Lid. representative before work is sterred. Warranty labour allowance & rates will be handled according to established Service Warranty Policy.
- 6. Warranty Paris: Defective ports are to be stored at the dealership & warranty will be subject to inspection by a Keto-Bilt Industries Ltd. representative or shipped prepaid to Stattler, Alberta, Canada.
- Warranty on Machines Used For Custom Work, Rental or Industrial/Construction
  Use: Warranty on discs used for custom work, rental or industrial/construction use shall be
  stated below, with the exception that it shall be for a period of 90 days only.
- Soverment Legislation: Warranty terms & conditions are subject to provincial or state installation.

- Warranty Will be Void: If any disc component is effected or modified, unless written authorization is granted by Kello-Bill industries Ltd.
- 10. Notice of Claim: The Purchaser shell brithwith eiter any alleged breach of warranty within the warranty period, notify in writing the particulars of the Purchaser's claim by registered mail addressed to the Soller and the Manufacturer at their respective eddresses, group a description of the new Farm Implement and the return eddresses of the Purchaser.
- 11. No Other Warraniles, Conditions or Representations: Furchaser acknowledges that this agreement constitutes the entire contract and there are no other representations, warranties or conditions, expressed or implied, statutory or otherwise, other than as contained herein or delivered in writing herewith. Without limiting the generality of the foregoing, Purchaser agrees that there is no warranty as to the year and model, even if stated bands.
  - 12. Time: Time shall strictly be of the essence.
- 13. No Warranty on Thise Tubes Accessories: No warranty whetsoever is given as to lines and tubes or as to accessories unless such accessories are now and are manufactured by the manufacturer named on the reverse side hereof and such accessories are sold as part of the said new Face. Inclement.
- 14. Dies Blade Werranty: (1) Full warranty will be given for one year from date of purchase for a straight directional break or split dies caused by faulty or defective material.
- [2] 50 per cent warranty will be given for one year from date of purchase for the following:
- [4] Irregular breaks, lear type fractures, chipped or denied edges resulting from use in severe ereas such as rocks or stumps, (b) Centre broken out caused by rock or stump conditions, excessive liesing of clace or locks gang bolts.
- (3) Warranty IImited to clied replacement upon return of damaged clied, prepaid to Statiler, Albana, Canada.
- 15. Warranty Property Other than New Farm Implements
  Set from Japane Services of April on property other than New Form In
- (Set forth above, warranty, if any, on property other then hew Ferm Implements, such warranty to be honoured only at Stellier's place of business).
- Thereby acknowledge receipt of a true copy of this Agreement and that I om the Purchaser named therein.

Because we are constantly striving to improve our products, we reserve the right to incorporate any changes related to design, materials and specifications at any time, without notice or obligation.