

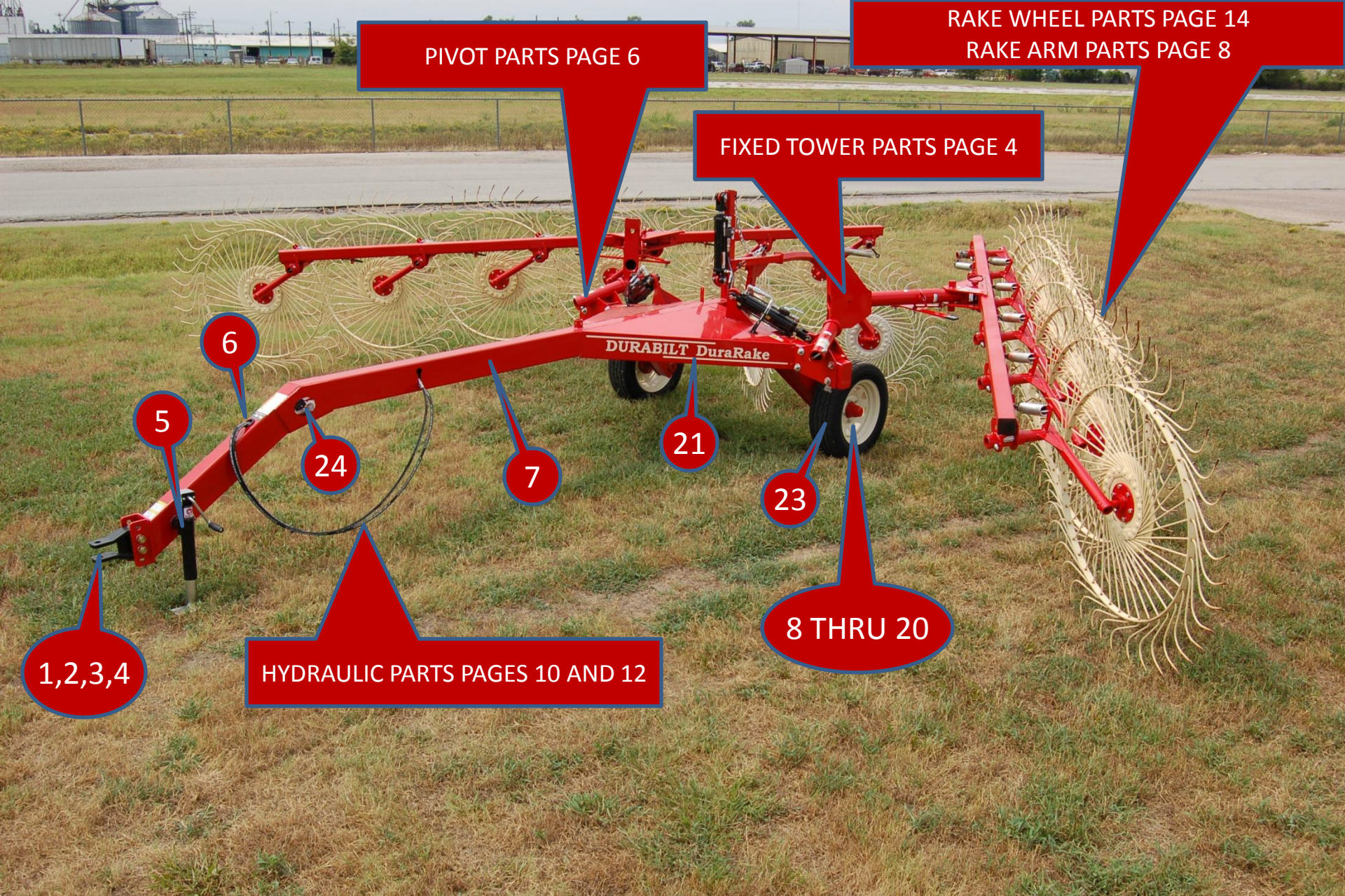
Durabilt Industries, LLC

HCI-TCI SERIES RAKE Parts Breakdown



07/26/12

DURABILT INDUSTRIES, LLC - 1810 AIRPORT ROAD
POCAHONTAS ARKANSAS 72455



PIVOT PARTS PAGE 6

RAKE WHEEL PARTS PAGE 14
RAKE ARM PARTS PAGE 8

FIXED TOWER PARTS PAGE 4

1,2,3,4

5

6

24

7

21

23

8 THRU 20

HYDRAULIC PARTS PAGES 10 AND 12

POSITION	PART NUMBER	DESCRIPTION	QTY
1	407270	CLEVIS	1
2	220052	CLEVIS BOLT	2
3	220175	CLEVIS LOCK WASHER	2
4	220074	CLEVIS NUT	2
5	300504	JACK 10" SIDE CRANK	1
6	300618	HOSE HOLE GROMMET	2
7	600201	CART 8 WHEEL, 10 WHEEL	1
	600200	CART 12 WHEEL	1
8	600022	SPINDLE FOR STANDARD TIRE 195/65/15	2
	600104	LONG SPINDLE FOR OPTIONAL TIRE 26/12/12	2
9	220007	SPINDLE RETAINING BOLT	2
10	220093	SPINDLE RETAINING NYLON LOCK NUT	2
11	300148	HUB ASSEMBLY COMPLETE	2
12	300107	GREASE SEAL	2
13	300599	INNER BEARING	2
14	300332	INNER BEARING RACE	2
15	300398	OUTER BEARING	2
16	300426	OUTER BEARING RACE	2
17	300585	SPINDLE NUT, WASHER, COTTER PIN KIT	2

POSITION	PART NUMBER	DESCRIPTION	QTY
18	300453	DUST CAP	2
19	300341	WHEEL STUD	10
20	220085	LUG NUT	2
21	260031	DURABILT DURARAKE DECAL RH	1
	260032	DURABILT DURARAKE DECAL LH	1
22	260048	HCI-8 DECAL	2
	260049	HCI-10 DECAL	2
	260050	HCI-12 DECAL	2
23	300581	TIRE AND WHEEL 195/65/R15	2
	300352	TIRE AND WHEEL OPTIONAL 26X12X12	2
24	260024	MADE IN USA LABEL	1

**FOR PAINTED PARTS ADD A LETTER AFTER THE PART NUMBER FOR THE COLOR
R=RED
G=GREEN**



30,31,32,33

34

3

18

2

20

1

WING ADJUSTER LEVER PARTS
21 THRU 29

CAUTION
STAY CLEAR WHEN OPERATING.
READ AND UNDERSTAND INSTRUCTION
MANUAL BEFORE OPERATING.

WARNING
FOR PROPER AND SAFE
OPERATION, ALWAYS
WEAR YOUR SEATBELT.
CAUTION
OPERATE ALL
MACHINES WITH CARE.

DURABILT

POSITION	PART NUMBER	DESCRIPTION	QTY
1	600141-10	FIXED TOWER ASSEMBLY HCI RH 8 OR 10 WHEEL	1
	600141-12	FIXED TOWER ASSEMBLY HCI RH 12 WHEEL	1
	600147-10	FIXED TOWER ASSEMBLY HCI LH 8 OR 10 WHEEL	1
	600147-12	FIXED TOWER ASSEMBLY HCI RH 12 WHEEL	1
	600295	TOWER ASSEMBLY TCI RH	1
	600296	TOWER ASSEMBLT TCI LH	1
2	260043	CAUTION: STAY CLEAR WHEN OPERATING DECAL	2
3	260011	GREASE DAILY DECAL	
18	300627	SLIDE TUBE ADJUSTER PIN (RED)	2
	300630	SLIDE TUBE ADJUSTER PIN (BLACK)	2

POSITION	PART NUMBER	DESCRIPTION	QTY
20	600055	ADJUSTER SLIDE TUBE (INNER)	2
21	600051	SLIDE TUBE ADJUSTER HANDLE	2
22	220093	SLIDE TUBE ADJUSTER HANDLE ATTACHMENT NUT	4
23	220154	SLIDE TUBE ADJUSTER HANDLE ATTACHMENT WASHER	4
24	300004	SLIDE TUBE ADJUSTER HANDLE GRIP RH	1
25	300005	SLIDE TUBE ADJUSTER HANDLE GRIP LH	1
26	600052	SLIDE TUBE ADJUSTER HANDLE LINK	2
27	220054	SLIDE TUBE ADJUSTER HANDLE TO LINK BOLT	2
28	220099	SLIDE TUBE ADJUSTER HANDLE TO LINK NUT	2
29	220161	SLIDE TUBE ADJUSTER HANDLE TO LINK WASHER	4
30	600023	WING PIVOT PIN WELDEMENT	2
31	600025	RETAINER – WING PIVOT PIN	2
32	220106	ROLL PIN - WING PIVOT PIN RETAINER	2
33	300385	GREASE FITTING	2
34	300650	RAKE WHEEL ANGLE ADJUSTMENT PIN (ZINC)	2

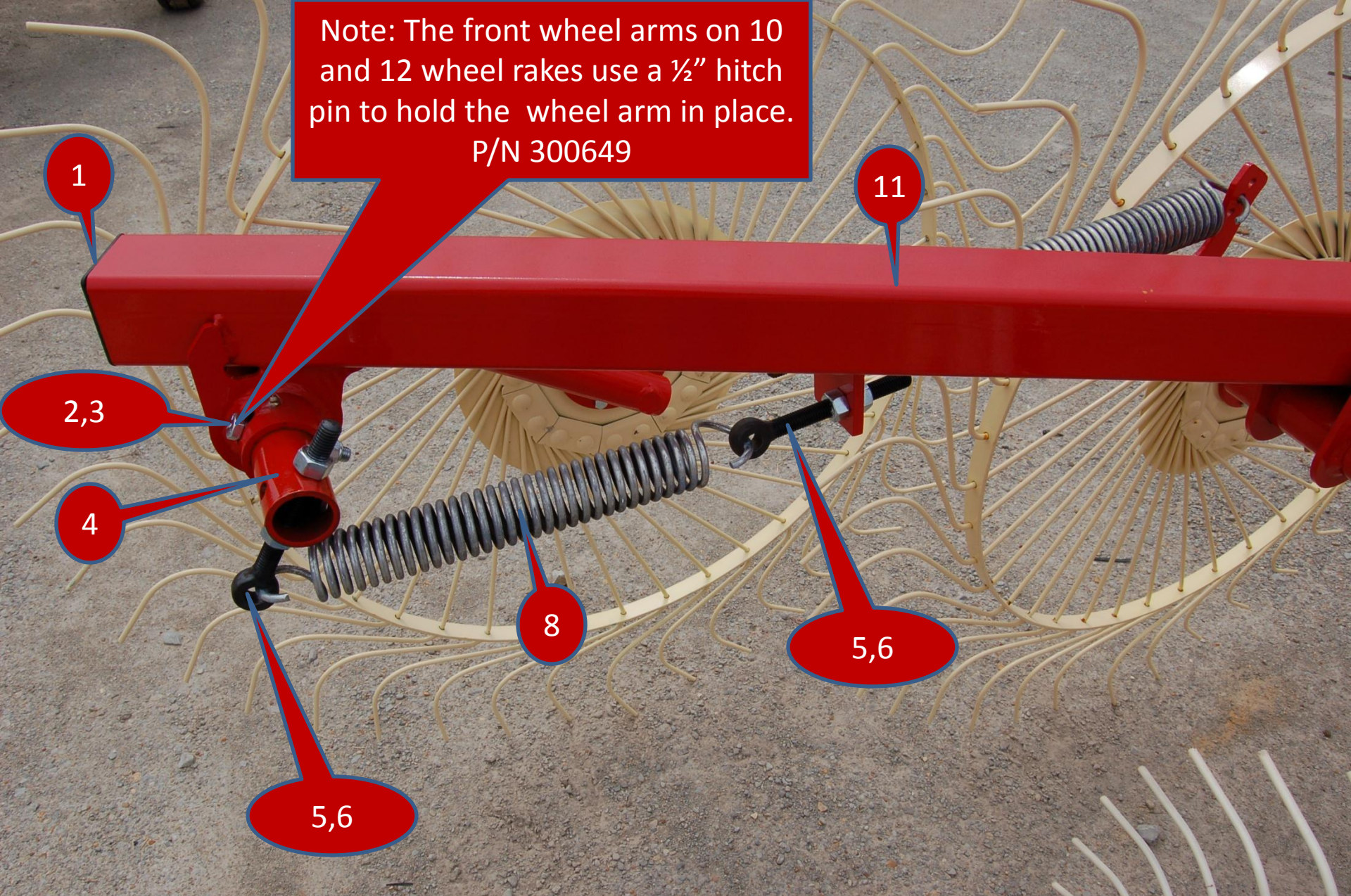
**FOR PAINTED PARTS ADD A LETTER AFTER THE PART NUMBER FOR THE COLOR
R=RED
G=GREEN**



POSITION	PART NUMBER	DESCRIPTION	QTY
2	220044	PIVOT PIPE LOCK BOLT	2
3	220098	PIVOT PIPE LOCK NUT	2
4	600020	PIVOT PIPE LOCK	2
5	600108	PIVOT PIPE ASSEMBLY RH	1
	600006	PIVOT PIPE ASSEMBLY LH	1
6	300385	GREASE FITTING	2
7	260011	GREASE DAILY DECAL	2
8	220046	PIVOT MOUNT BOLT	8
9	220227	PIVOT MOUNT WASHER	16
10	220098	PIVOT MOUNT NUT	8

**FOR PAINTED PARTS ADD A
LETTER AFTER THE PART
NUMBER FOR THE COLOR
R=RED
G=GREEN**

Note: The front wheel arms on 10 and 12 wheel rakes use a ½" hitch pin to hold the wheel arm in place.
P/N 300649

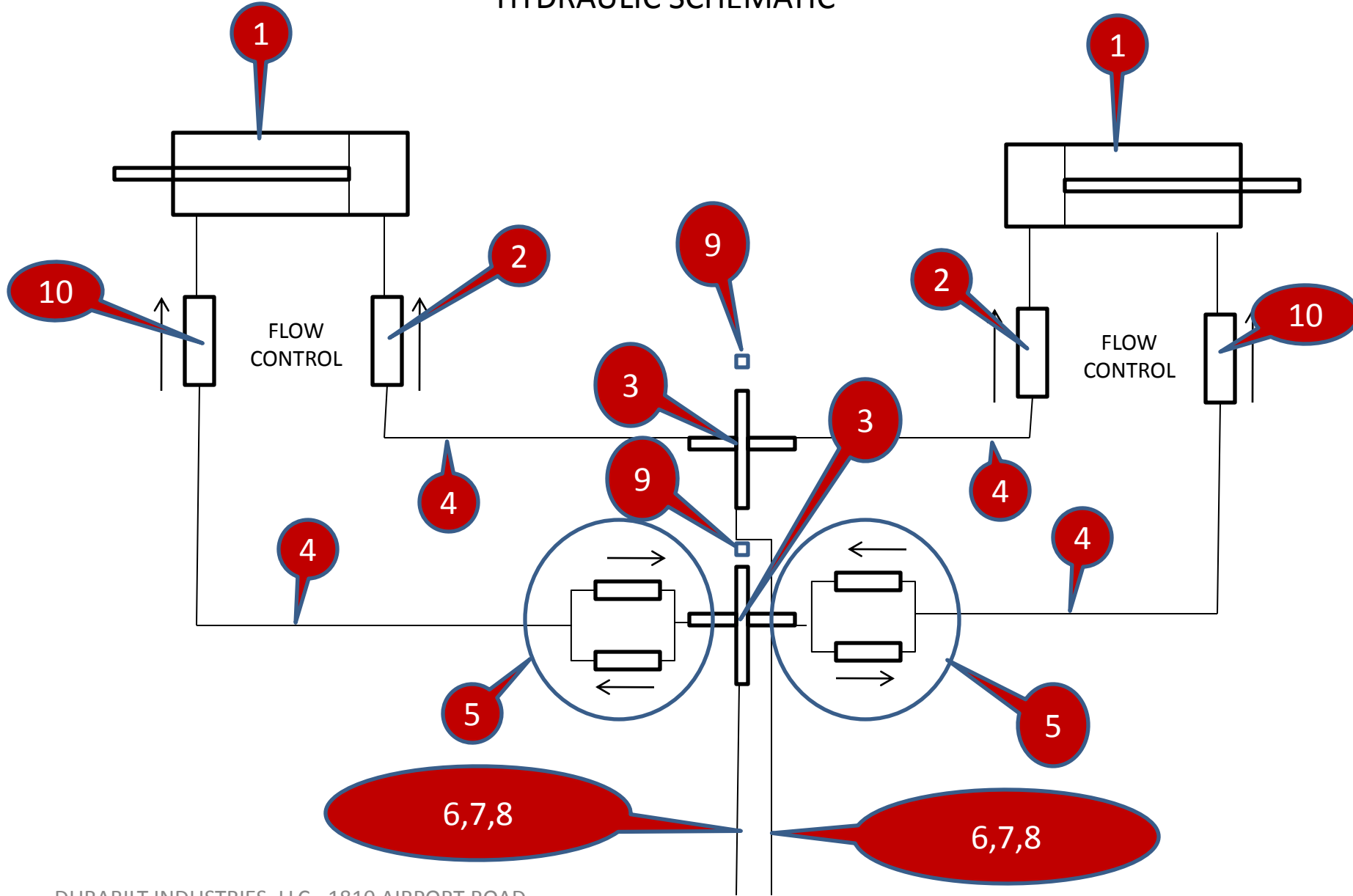


POSITION	PART NUMBER	DESCRIPTION	QTY
1	300542	PLASTIC CAP 3" X 3" SQUARE	6
2	220007	WHEEL ARM RETAINING BOLT ½"X3-1/2"	
	300649	FRONT WHEEL ARM RETAINING PIN (ZINC)	
3	220093	WHEEL ARM RETAINING BOLT NUT ½"	
4	600162	SINGLE WHEEL ARM ASSEMBLY RH REAR	1
	600164	SINGLE WHEEL ARM ASSEMBLY LH REAR	1
	600161	SINGLE WHEEL ARM ASSEMBLY RH (ALL POSITIONS EXCEPT REAR)	
	600163	SINGLE WHEEL ARM ASSEMBLY LH (ALL POSITIONS EXCEPT REAR)	
5	220258	SINGLE RAKE WHEEL ARM SPRING EYE BOLT	2
6	220072	SINGLE RAKE WHEEL ARM SPRING EYE BOLT NUT	4
8	300580	SINGLE RAKE WHEEL ARM SPRING	2
	300541	SINGLE RAKE WHEEL ARM PLASIC END CAP	
11	600285	RAKE MAIN ARM 8 WHEEL RH	1
	600286	RAKE MAIN ARM 8 WHEEL LH	1
	600264	RAKE MAIN ARM 10 WHEEL RH	1
	600271	RAKE MAIN ARM 10 WHEEL LH	1
	600287	RAKE MAIN ARM 12 WHEEL RH	1
	600288	RAKE MAIN ARM 12 WHEEL LH	1



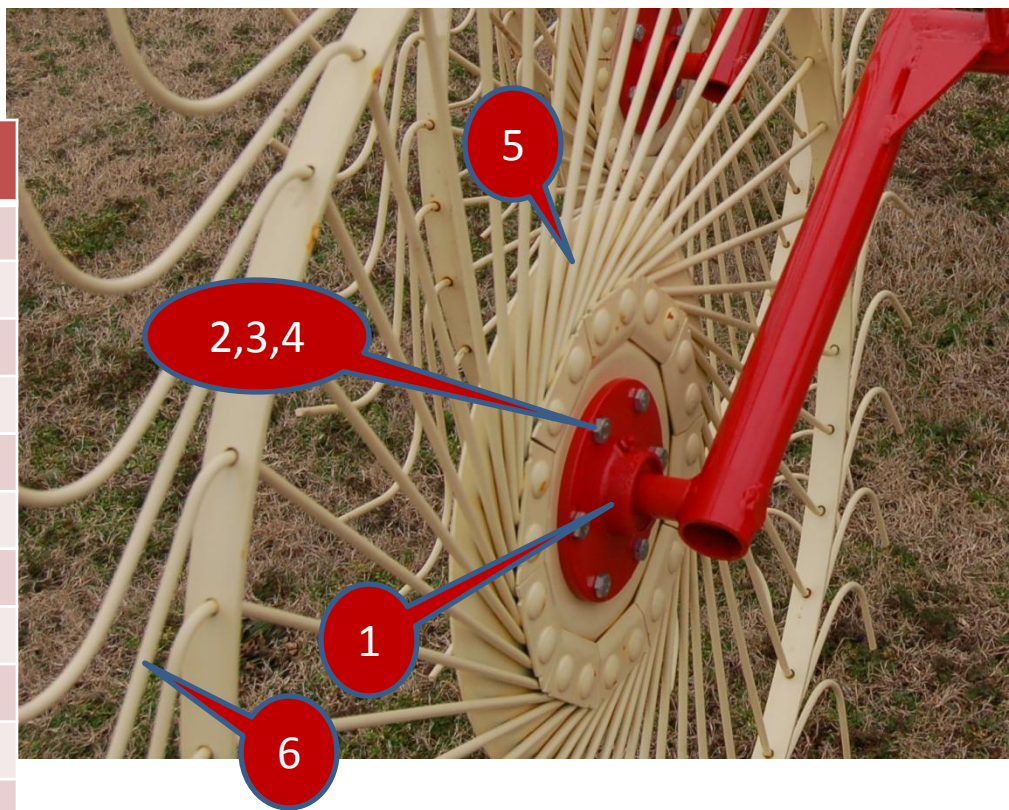
POSITION	PART NUMBER	DESCRIPTION	QTY
1	250074	HYDRAULIC HOSE ¼" X 36"	4
2	250099	HYDRAULIC CYLINDER 3" X 10"	2
3	300537	HYDRAULIC CYLINDER PIN	4
4	300141	HYDRAULIC CYLINDER PIN RETAINER	8
5	250095	ADAPTER ½" NPT MALE TO 3/8" JIC MALE	6
6	250101	ELBOW 1/2" NPT MALE TO 3/8" JIC FEMALE SWIVEL	2
7	250093	FLOW CONTROL VALVE (NOT USED ON TCI SERIES RAKE)	4
	HCFC	OPTIONAL FLOW CONTROL KIT FOR TCI SERIES RAKES	1
8	250103	BALL VALVE 3/8"	2
9	300617	HOSE HOLE GROMMET	2
10	600010	CYLINDER PIN SPACER	2
	250107	SEAL KIT HYDRAULIC CYLINDER MAXUM OR BAILEY CYLINDER 3" X 1.25 ROD	1
	250108	SEAL KIT HYDRAULIC CYLINDER DALTON CYLINDER 3" X 1.25 ROD	1
	250109	SEAL KIT HYDRAULIC CYLINDER DALTON CYLINDER 3" X 1.75 ROD	1

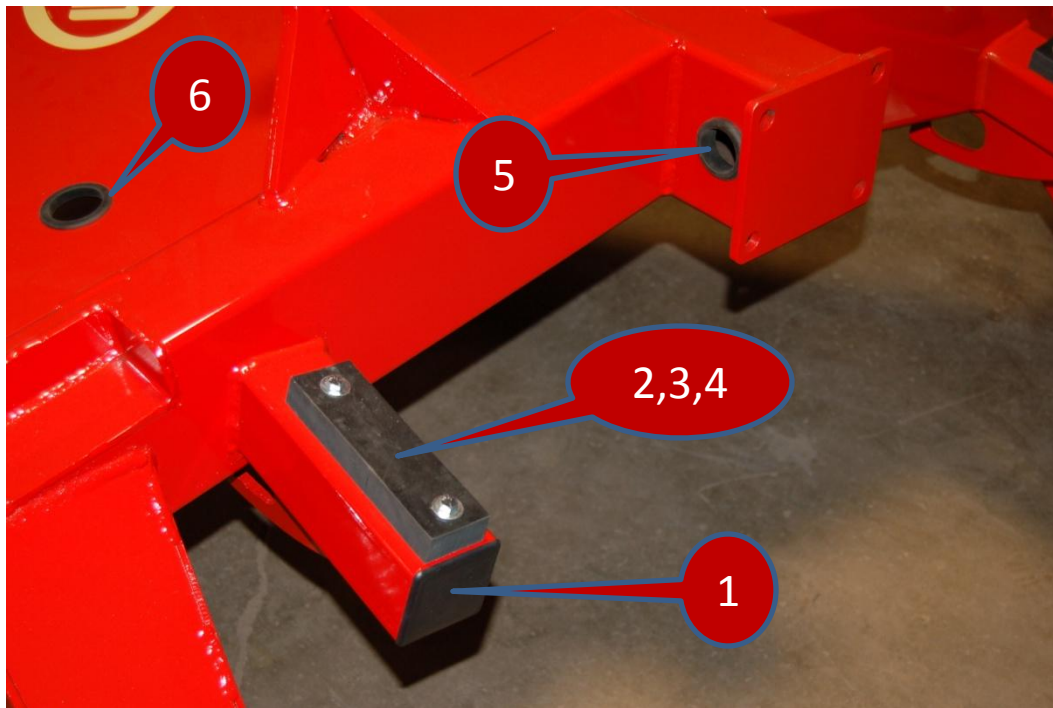
HYDRAULIC SCHEMATIC



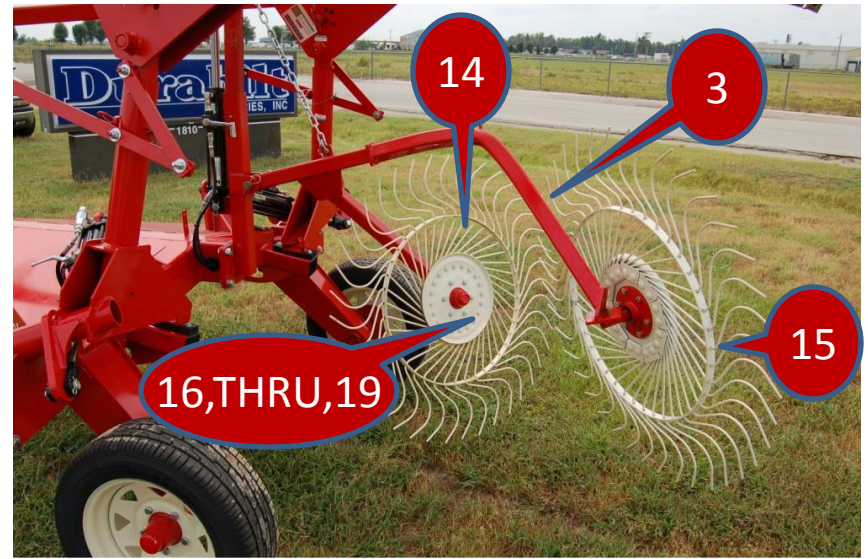
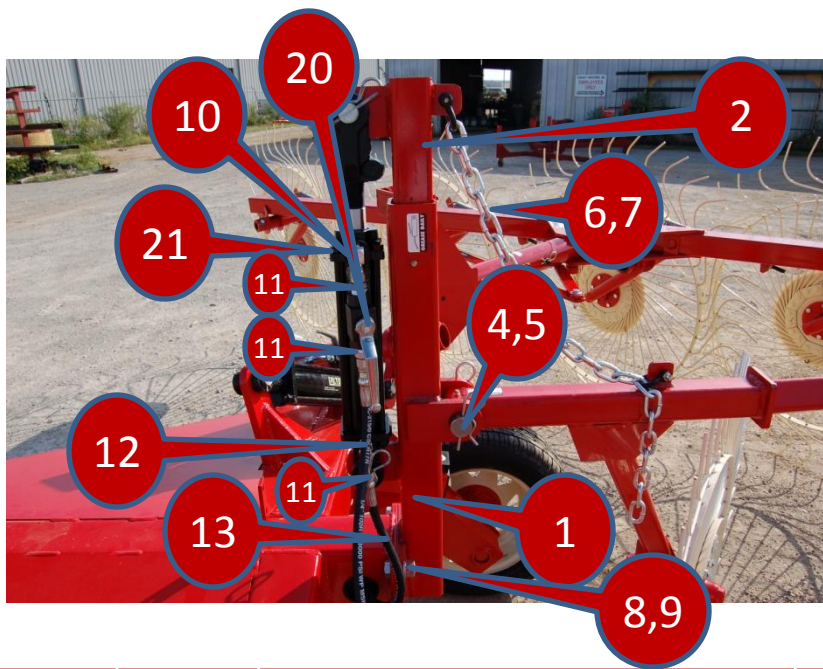
POSITION	PART NUMBER	DESCRIPTION	QTY
1	250099	HYDRAULIC CYLINDER 3" X 10"	2
2	250093	FLOW CONTROL VALVE (ONLY ON HCI SERIES RAKES)	2
3	250070	3/8" JIC MALE CROSS	2
4	250074	HYDRAULIC HOSE 1/4" X 36"	4
5	250100	CHECK VALVE ASSEMBLY (ONLY ON HCI SERIES RAKES)	2
6	250096	HYDRAULIC HOSE 1/4" X 150" (8 AND 10 WHEEL RAKES)	2
	250098	HYDRAULIC HOSE 1/4" X 186" (12 WHEEL RAKE)	2
7	250095	ADAPTER 3/8" JIC MALE TO 1/2" NPT MALE	2
	250069	ADAPTER 3/8" JIC MALE TO 1/2" NPT MALE (TCI ONLY, LIFT LINE)	1
8	250007	HYDRAULIC CONNECTOR MALE (PIONEER)	2
9	250077	CAP 3/8" JIC	2
10	250103	BALL VALVE 3/8"	2
	HCFC	OPTIONAL FLOW CONTROL KIT FOR TCI SERIES RAKE	1

POSITION	PART NUMBER	DESCRIPTION	QTY
1	300145	RAKE WHEEL HUB COMPLETE	
	300556	OUTER BEARING	
	300557	INNER BEARING	
	300414	GREASE SEAL	
	300413	DUST CAP	
2	220056	RAKE WHEEL ATTACHMENT BOLT	6
3	220165	RAKE WHEEL ATTACHMENT LOCK WASHER	6
4	220089	RAKE WHEEL ATTACHMENT NUT	6
5	300213	RAKE WHEEL COMPLETE RH	
	300166	RAKE WHEEL COMPLETE LH	
6	300492	RAKE WHEEL TINE	





POSITION	PART NUMBER	DESCRIPTION	QTY
1	300542	PLASTIC CAP 3" SQUARE	6
2	431021	TRANSPORT STOP PAD	2
3	220032	TRANSPORT STOP PAD RETAINING BOLT	4
4	220158	TRANSPORT STOP PAD WASHER	4
5	300618	RUBBER GROMMET (KICKER WHEEL HOSE HOLE)	2
6	300617	RUBBEE GROMMET (CYLINDER HOSE HOLE)	2



POSITION	PART NUMBER	DESCRIPTION	QTY
1	620002	MOUNT BASE (DESIGNATE COLOR)	1
2	401027	LIFT TUBE (DESIGNATE COLOR)	1
3	620001	SPLITTER WHEEL ARM (RED)	1
	620002	SPLITTER WHEEL ARM (GREEN)	
4	620019	WHEEL ARM PIN	1
5	300141	WHEEL ARM PIN RETAINER CLIP	2
6	401075	WHEEL ARM CHAIN	1
7	300534	WHEEL ARM CHAIN CLEVIS	2
8	220039	MOUNT ATTACHING BOLTS	4
9	220098	MOUNT ATTACHING NUTS	4
10	250053	HYDRAULIC CYLINDER	1
11	250076	HYDRAULIC ADAPTER 3/8" NPT X 3/8" JIC	3

POSITION	PART NUMBER	DESCRIPTION	QTY
12	250102	UPPER HYDRAULIC HOSE	1
13	250074	LOWER HYDRAULIC HOSE	1
14	300632	RAKE WHEEL RH SPLITTER	1
15	300631	RAKE WHEEL LH SPLITTER	1
	300638	SPLITTER RAKE WHEEL TINE	
	300673	SPLITTER WHEEL TINE CLAMP	
	220267	SPLITTER WHEEL TINE CLAMP BOLT	
	220248	SPLITTER WHEEL TINE CLAMP NUT	
16	300586	RAKE WHEEL HUB ASSEMBLY	2
17	220056	RAKE WHEEL ATTACHING BOLT	12
18	220089	RAKE WHEEL ATTACHING NUT	12
19	220165	RAKE WHEEL ATTACHING LOCK WASHER	12
20	250103	BALL VALVE 3/8"	1
21	250094	ELBOW 3/8"NPT TO 3/8" JIC 90 DEG F	1
	250107	HYDRAULIC CYLINDER REPAIR KIT 2" CYLINDER	1

(located on top of pivot pipe at transport lock hole)



260039

(located on top of tongue at hitch clevis)



260040

(located on top of tongue at hitch clevis)



260041

(located on top of pivot pipe at transport lock hole)



260042

(located on top of frame in front of hydraulic cylinders)



260045

(Top of tongue just below hose hole)

CAUTION

1. Read and understand the operator's manual.
2. Stop the tractor engine before leaving the operator's platform.
3. Keep riders off the machine.
4. Make certain everyone is clear of machine before starting the tractor engine and operating.
5. Keep all shields in place.
6. Never lubricate, adjust or service the machine with tractor engine running.
7. Wait for all movement to stop before servicing.
8. Keep hands, feet and clothing away from moving parts.
9. Use flashing warning lights when operating on highways except when prohibited by law.

260002

260002

(Front of spring tower right side up when rake is in working position)

CAUTION

STAY CLEAR WHEN OPERATING.

Read and understand instruction manual before operating.

260044

260044

**STAY CLEAR OF MACHINE
WHILE FOLDING AND WHILE
IN OPERATION**

260019

260019

(Front of wing adjuster tube left side of pin hole and
Underside of wing on triangle plate right side up when
folded in transport position)

RAKING WIDTH (WINDROW WIDTH) 12 WHEEL
WILL VARY DEPENDING ON CROP CONDITIONS

PIN POSITIONS	1	2	3	4
(LIGHT CROP) ↑ A	23'3" (3')	23'6" (3'3")	23'9" (3'6")	24' (3'9")
B	22'9" (3'6")	23' (3'9")	23'3" (4')	23'6" (4'3")
(NORMAL CROP) C	22'3" (4')	22'9" (4'3")	22'9" (4'6")	23' (4'9")
↓ D	21'9" (4'6")	22' (4'9")	22'3" (5')	22'6" (5'3")
(HEAVY CROP) E	21'3" (5')	21'6" (5'3")	21'9" (5'6")	22' (5'9")

RAKE WHEEL ANGLE ADJUSTMENT HOLES

WARNING
FOR SINGLE SIDE RAKING
USE ONLY HOLE #1

SLIDE TUBE LENGTH ADJUSTMENT HOLES

260030

260030

RAKING WIDTH (WINDROW WIDTH) 10 WHEEL
WILL VARY DEPENDING ON CROP CONDITIONS

PIN POSITIONS	1	2	3	4
(LIGHT CROP) ↑ A	20'3" (3')	20'6" (3'3")	20'9" (3'6")	21' (3'9")
B	19'9" (3'6")	20' (3'9")	20'3" (4')	20'6" (4'3")
(NORMAL CROP) C	19'3" (4')	19'6" (4'3")	19'9" (4'6")	20' (4'9")
↓ D	18'9" (4'6")	19' (4'9")	19'3" (5')	19'6" (5'3")
(HEAVY CROP) E	18'3" (5')	18'6" (5'3")	18'9" (5'6")	19' (5'9")

RAKE WHEEL ANGLE ADJUSTMENT HOLES

WARNING
FOR SINGLE SIDE RAKING
USE ONLY HOLE #1

SLIDE TUBE LENGTH ADJUSTMENT HOLES

260028

260028

RAKING WIDTH (WINDROW WIDTH) 8 WHEEL
WILL VARY DEPENDING ON CROP CONDITIONS

PIN POSITIONS	1	2	3	4
(LIGHT CROP) ↑ A	17'3" (3')	17'6" (3'3")	17'9" (3'6")	18' (3'9")
B	16'9" (3'6")	17' (3'9")	17'3" (4')	17'6" (4'3")
(NORMAL CROP) C	16'3" (4')	16'6" (4'3")	16'9" (4'6")	17' (4'9")
↓ D	15'9" (4'6")	16' (4'9")	16'3" (5')	16'6" (5'3")
(HEAVY CROP) E	15'3" (5')	15'6" (5'3")	15'9" (5'6")	16' (5'9")

RAKE WHEEL ANGLE ADJUSTMENT HOLES

WARNING
FOR SINGLE SIDE RAKING
USE ONLY HOLE #1

SLIDE TUBE LENGTH ADJUSTMENT HOLES

260026

260026

RAKING WIDTH (WINDROW WIDTH) 12 WHEEL
WILL VARY DEPENDING ON CROP CONDITIONS

PIN POSITIONS	1	2	3	4
(LIGHT CROP) ↑ A	23'3" (3')	23'6" (3'3")	23'9" (3'6")	24' (3'9")
B	22'9" (3'6")	23' (3'9")	23'3" (4')	23'6" (4'3")
(NORMAL CROP) C	22'3" (4')	22'9" (4'3")	22'9" (4'6")	23' (4'9")
↓ D	21'9" (4'6")	22' (4'9")	22'3" (5')	22'6" (5'3")
(HEAVY CROP) E	21'3" (5')	21'6" (5'3")	21'9" (5'6")	22' (5'9")

WARNING
FOR SINGLE SIDE RAKING
USE ONLY HOLE #1

RAKE WHEEL ANGLE ADJUSTMENT HOLES

SLIDE TUBE LENGTH ADJUSTMENT HOLES

260029

260029

RAKING WIDTH (WINDROW WIDTH) 10 WHEEL
WILL VARY DEPENDING ON CROP CONDITIONS

PIN POSITIONS	1	2	3	4
(LIGHT CROP) ↑ A	20'3" (3')	20'6" (3'3")	20'9" (3'6")	21' (3'9")
B	19'9" (3'6")	20' (3'9")	20'3" (4')	20'6" (4'3")
(NORMAL CROP) C	19'3" (4')	19'6" (4'3")	19'9" (4'6")	20' (4'9")
↓ D	18'9" (4'6")	19' (4'9")	19'3" (5')	19'6" (5'3")
(HEAVY CROP) E	18'3" (5')	18'6" (5'3")	18'9" (5'6")	19' (5'9")

WARNING
FOR SINGLE SIDE RAKING
USE ONLY HOLE #1

RAKE WHEEL ANGLE ADJUSTMENT HOLES

SLIDE TUBE LENGTH ADJUSTMENT HOLES

260027

260027

RAKING WIDTH (WINDROW WIDTH) 8 WHEEL
WILL VARY DEPENDING ON CROP CONDITIONS

PIN POSITIONS	1	2	3	4
(LIGHT CROP) ↑ A	17'3" (3')	17'6" (3'3")	17'9" (3'6")	18' (3'9")
B	16'9" (3'6")	17' (3'9")	17'3" (4')	17'6" (4'3")
(NORMAL CROP) C	16'3" (4')	16'6" (4'3")	16'9" (4'6")	17' (4'9")
↓ D	15'9" (4'6")	16' (4'9")	16'3" (5')	16'6" (5'3")
(HEAVY CROP) E	15'3" (5')	15'6" (5'3")	15'9" (5'6")	16' (5'9")

WARNING
FOR SINGLE SIDE RAKING
USE ONLY HOLE #1

RAKE WHEEL ANGLE ADJUSTMENT HOLES

SLIDE TUBE LENGTH ADJUSTMENT HOLES

260025

260025



DURABILT

Durabilt Industries, LLC • Pochontas, AR 72455 • Phone 870-892-4501