Big Country® by WAKO®

MADE IN USA

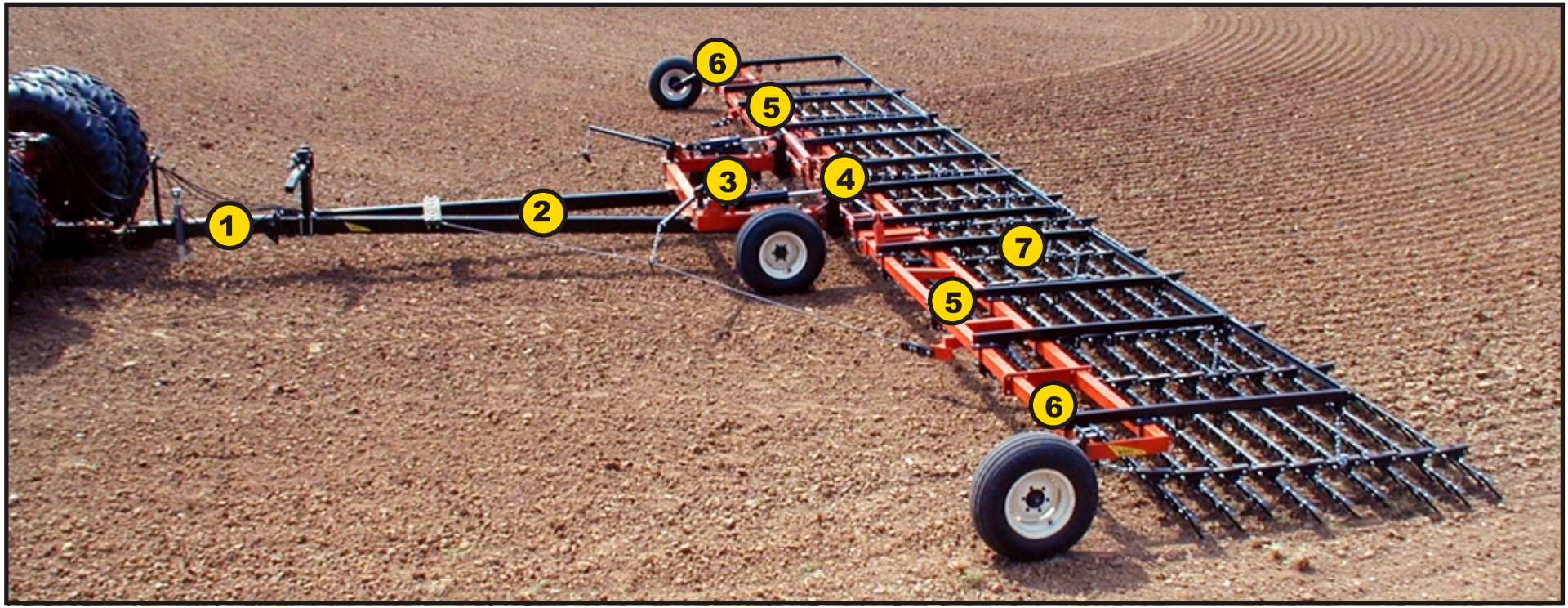
WAKO 9 ROW XT HARROW
OWNER/OPERATOR MANUAL



800.299.4300 OR 580.234.3434
wakollc.com

5606 N. 81 Hwy., Enid, OK 73701

WAKO



XT FLEX HARROW PARTS LIST XT FLEX HARROW OVERALL			
1	TONGUE EXTENSION		
2	TONGUE		
3	TRAILER		
4	CENTER SECTION		
5	WINGS		
6	BOLT ON WING EXTENSIONS		
7	FLEX HARROW		

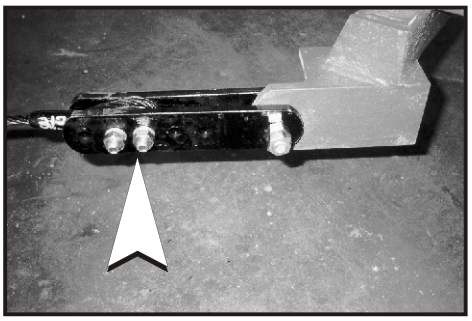
Brace Cable Adjustment Instructions for XT Flex Harrow

Your brace cables were adjusted at the factory for proper tension and no further adjustment should be necessary for some time, however.....

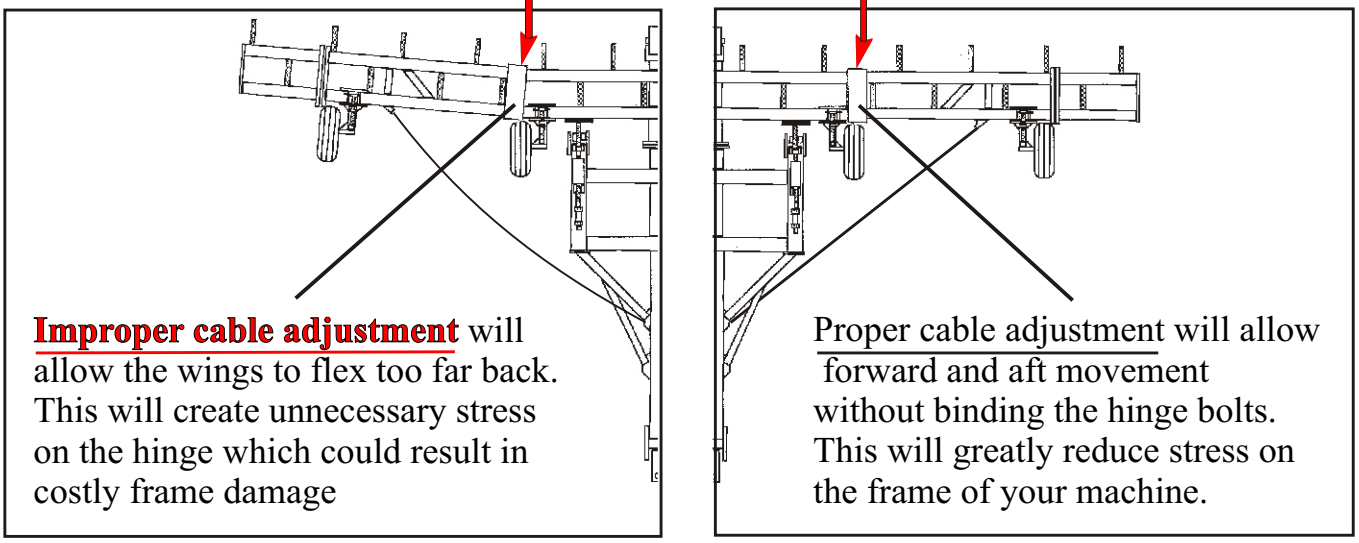
*** * CAUTION :**

There will eventually be cable "stretch", which will need to be adjusted out. Be sure not to adjust cables too tight or the wing will not flex up and down properly. The cable is in proper adjustment when the toolbar is straight during operation.

Figure 8



Warning: Improper adjustment can damage hinges & hinge pins on toolbar



Improper cable adjustment will allow the wings to flex too far back. This will create unnecessary stress on the hinge which could result in costly frame damage

Proper cable adjustment will allow forward and aft movement without binding the hinge bolts. This will greatly reduce stress on the frame of your machine.

* * TO TIGHTEN CABLES:

At each end of your our brace cables there are adjustment plates. To tighten your cables simply unbolt the plates and move the "eye" of the cable forward. Retighten bolts (SEE FIG. 8)

TONGUE
PAGE 1 OF 2

Photo #1

This bolt on hitch is used on 39’ frames and under

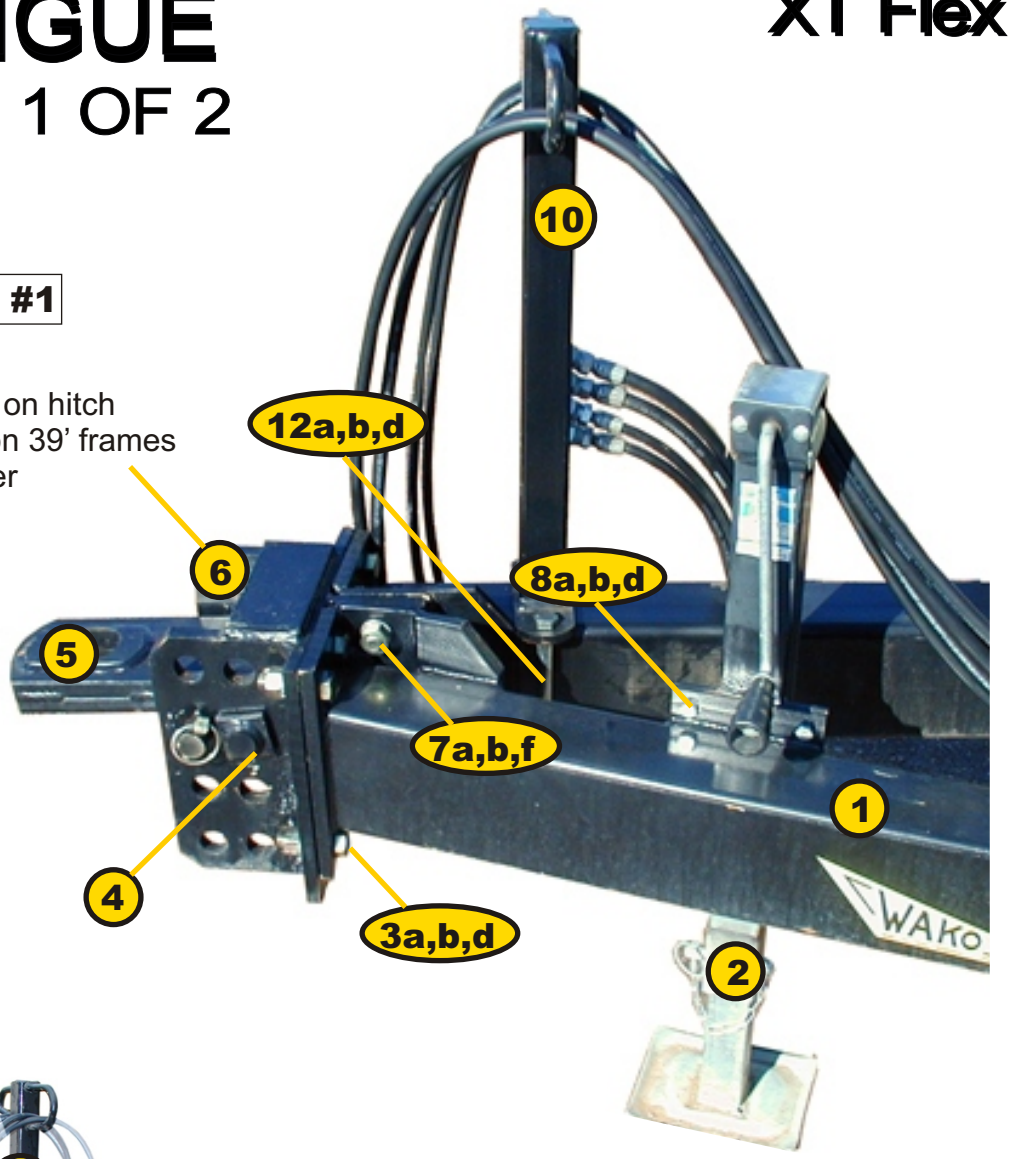
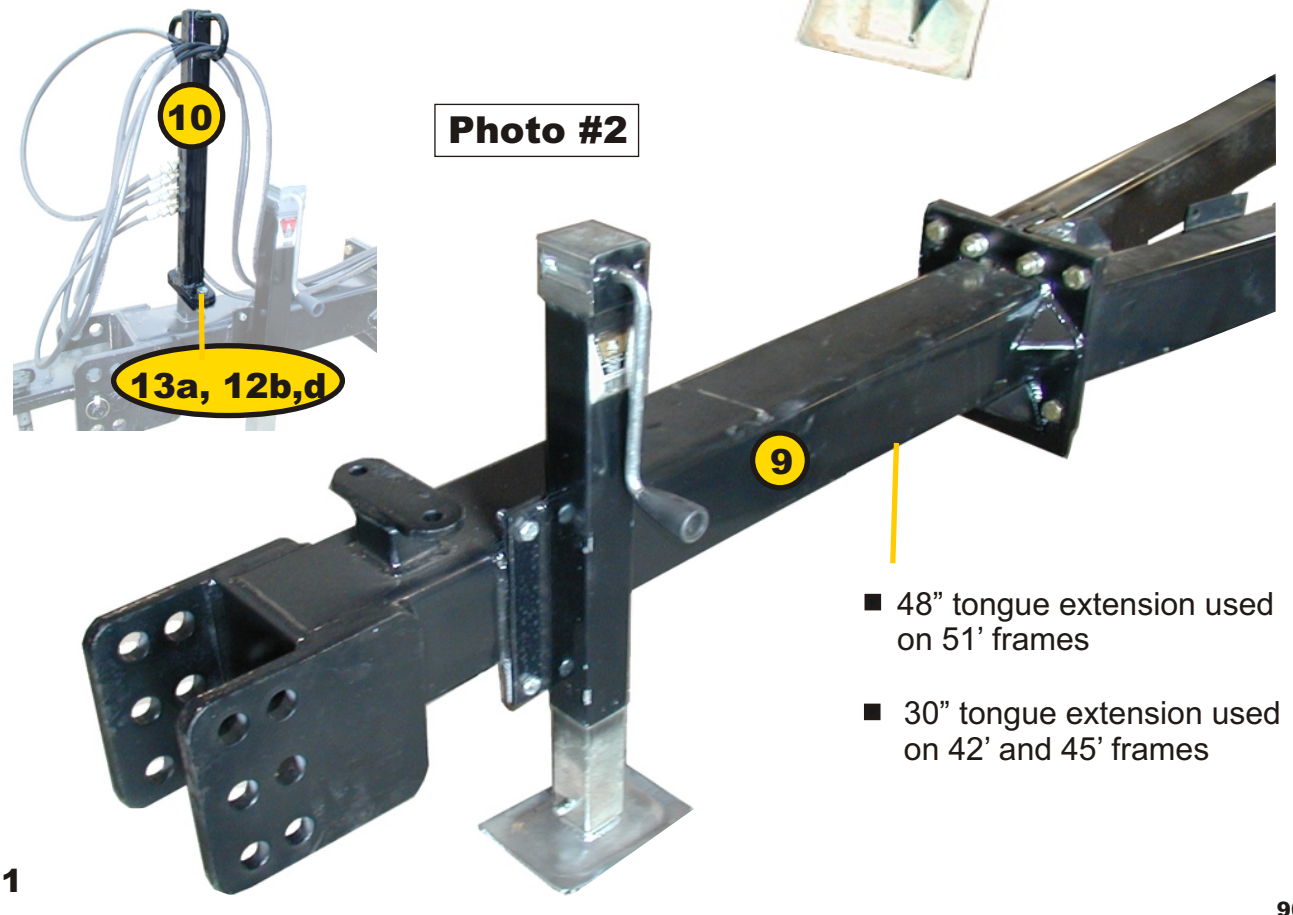


Photo #2



- 48” tongue extension used on 51’ frames
- 30” tongue extension used on 42’ and 45’ frames

XT FLEX HARROW PARTS LIST

TONGUE PAGE 1 OF 2

PHOTO #1	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
1	TONGUE (LEFT) 12' 25' - 39'	1	Z0140-W SL-12
	TONGUE (RIGHT) 12' 25' - 39'	1	Z0140-W SR-12
	TONGUE (LEFT) 15' 42' - 51'	1	Z0140-W SL-15
	TONGUE (RIGHT) 15' 42' - 51'	1	Z0140-W SR-15
2	JACK 15" DROP LEG 8000lbs.	1	MTJ15D8SSQ
3a	3/4" X 2-1/2" BOLT (GRADE 8)	8	FHC34212GD8
b	3/4" NUT	8	FNT34
d	3/4" LOCK WASHER	8	FLW34
4	CLEVIS BOLTS	2	FHC017GR8
5	CLEVIS HITCH 301 W/V-BLOCK	1	XTE301V3VB
6	BOLT ON HITCH 25' - 39'	1	Z0263-W SA
7a	3/4" X 3" BOLT (GRADE 8)	2	FHC343GD8
f	3/4" NYLON LOCK NUT	2	FNT34W
8a	7/16" X 1-1/2" BOLT	4	FHC76112
b	7/16" NUT	4	FNT716
d	7/16" LOCK WASHER	4	FLW716
10	HYDRAULIC HOSE STAND	1	Z0086-W SA
11	RECEIVER PLATE (2 HOLE) NOT SHOWN	1	Z0086E
12a	5/8" X 8" BOLT	2	FHC588
b	5/8" NUT	2	FNT58
d	5/8" LOCK WASHER	2	FLW58

PHOTO #2	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
9	30" TONGUE EXTENSION FOR 42' & 45' XT	1	Z0757-W SA
	48" TONGUE EXTENSION FOR 51' XT	1	Z0757-W SB
10	HYDRAULIC HOSE HOLDER	1	Z0086-W SB
13a	5/8" X 2" BOLT	2	FHC588

TONGUE
PAGE 2 OF 2

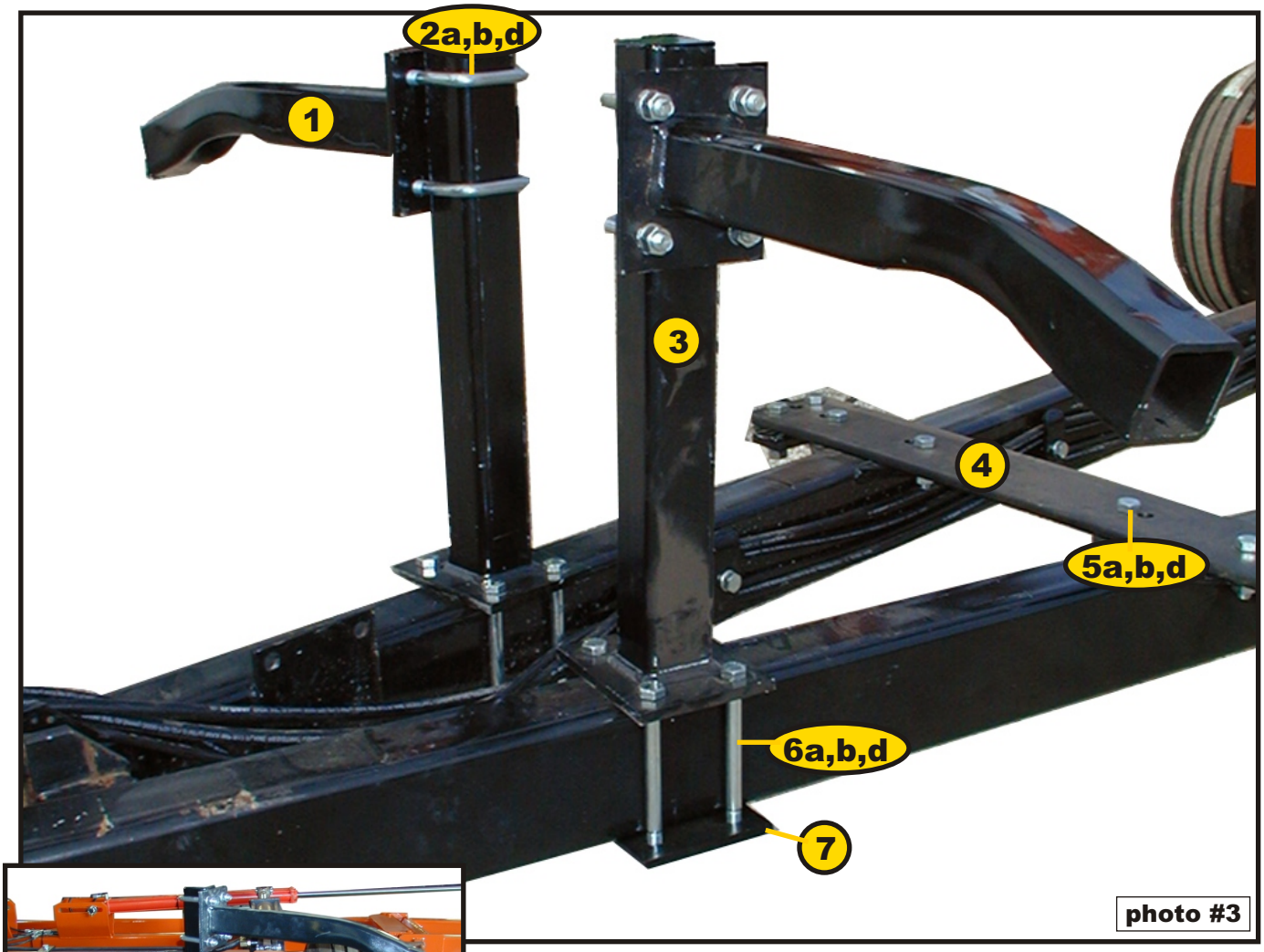
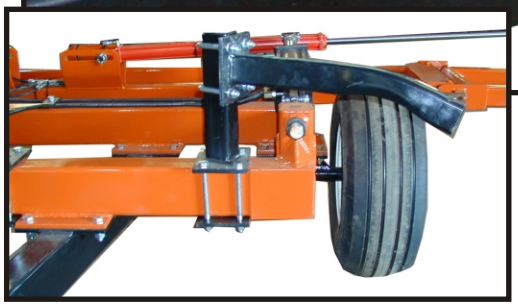


photo #3



Wing stands are installed on the trailer frame of units 33' and smaller.

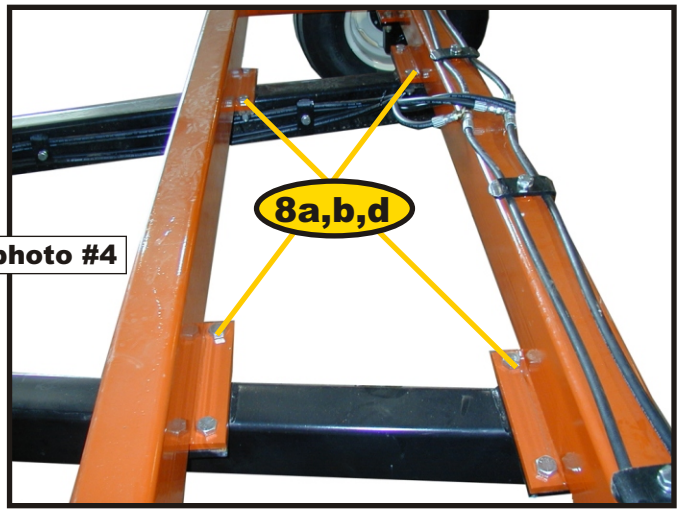


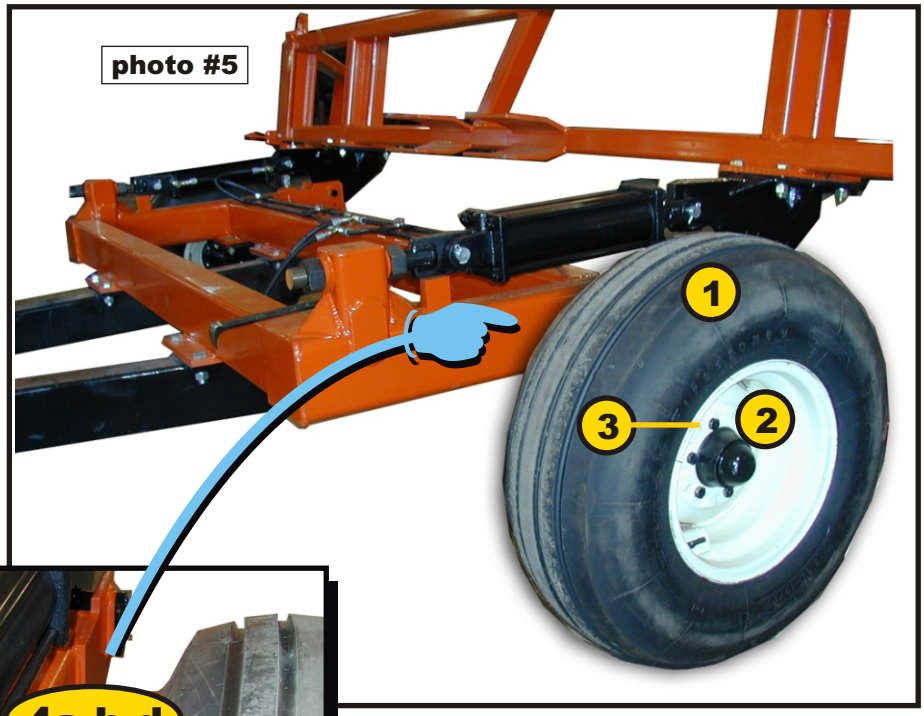
photo #4

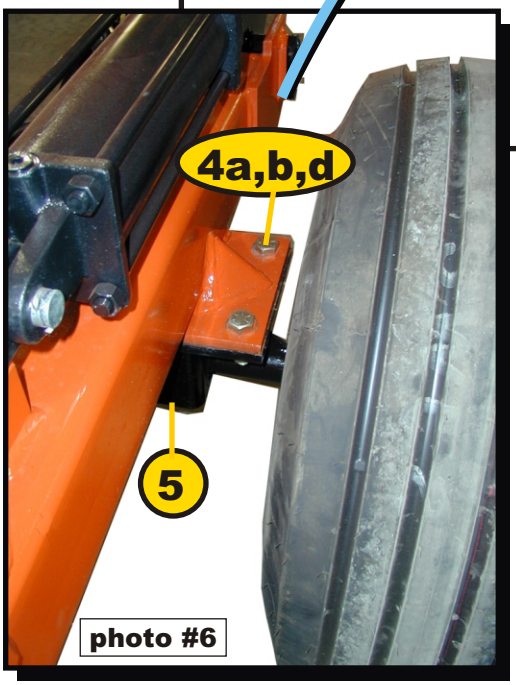
XT FLEX HARROW PARTS LIST

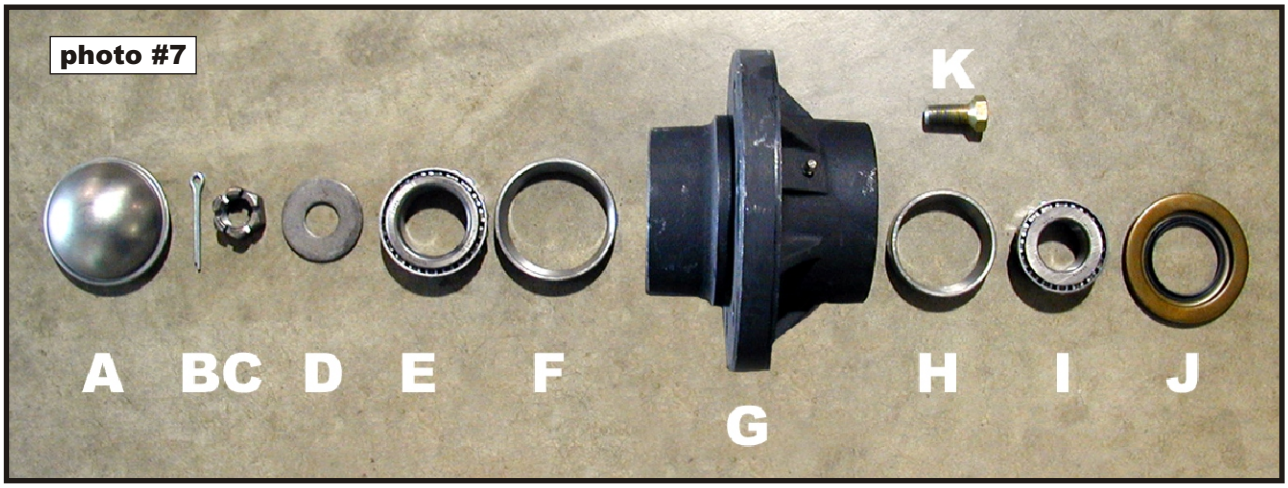
TONGUE PAGE 2 OF 2

PHOTO #3	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
1	WING STAND (ARM & PLATE)	2	Z0008-WSB
2a	5/8" X 3" U BOLT	4	FUB583SQ
b	5/8" NUT	4	FNT58
d	5/8" LOCK WASHER	4	FLW58
3	WING STAND (UPRIGHT & PLATE)	2	Z0008-WSA
4	CROSS BRACE	1	Z0140N
5a	3/4" X 2-1/2" BOLT	4	FHC34212GR8
b	3/4" NUT	8	FNT34GR8
d	3/4" LOCK WASHER	8	FLW34
6a	5/8" X 8" BOLT	8	FHC588
b	5/8" NUT	8	FNT58
d	5/8" LOCK WASHER	8	FLW58
7	4 HOLE PLATE (3" X 4")	2	Z3008I

PHOTO #4	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
8a	3/4" X 2-1/2" BOLT	16	FHC34212GR8
b	3/4" NUT	16	FNT34GR8
d	3/4" LOCK WASHER	16	FLW34


photo #5
1
2
3


4a,b,d
5
photo #6


photo #7
A
BC
D
E
F
G
K
H
I
J

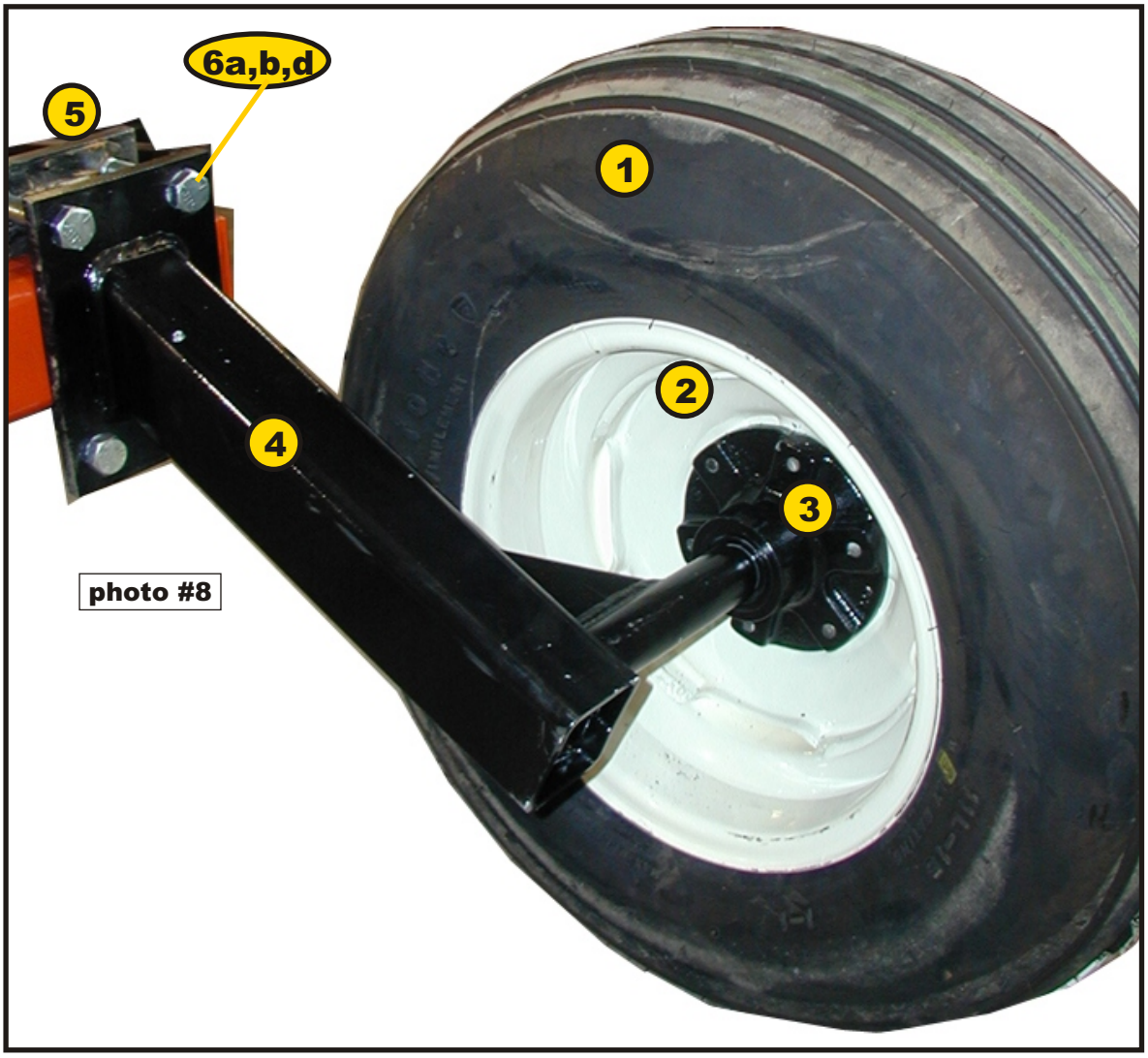
XT FLEX HARROW PARTS LIST

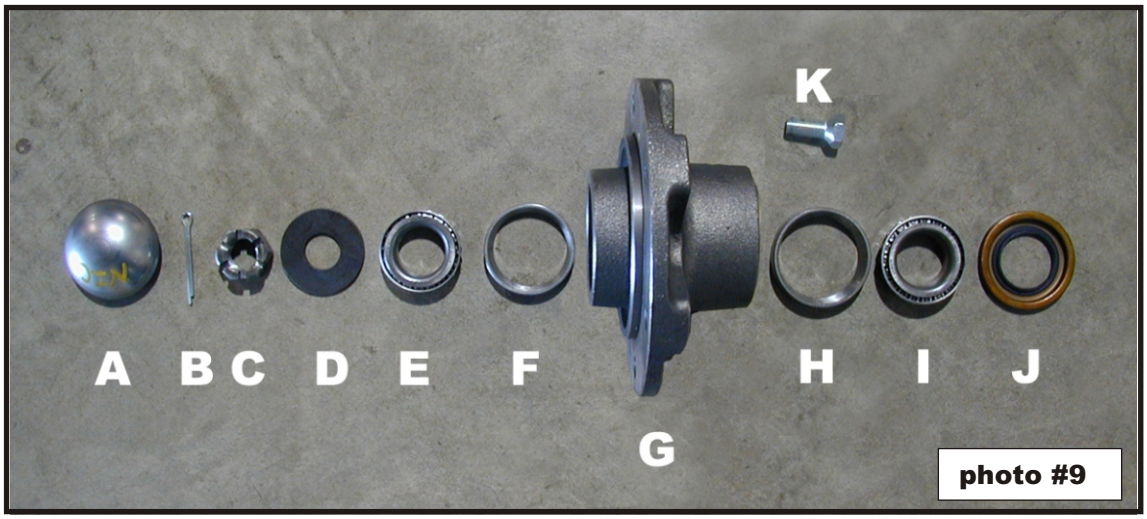
CENTER WHEEL

PHOTO #5	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
1	TIRE 12.5L X 15 FI 31' - 51'	1	WTI12L15HS
	TIRE 11L X 15 FI 25' - 28'	1	WTI11L
2	WHEEL 15 X 10 X 6 STEM PROTECT 31' - 51'	1	WWH15106
	WHEEL 15 X 8 X 6 STEM PROTECT 25' - 28'	1	WWH1586SP
3	HUB ASSEMBLY ONLY W/ RACES 31' - 51'	1	WHB803A
		see photo #7 for details	
	HUB ASSEMBLY ONLY W/ RACES 25' - 28'	1	WHB611A
		see photo #9 for details	

PHOTO #6	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
4a	3/4" x 2-1/2" BOLT (GRADE 8)	4	FHC34212GD8
b	3/4" NUT	4	FNT34
d	3/4" LOCK WASHER	4	FLW34
5	CENTER WHEEL AXLE (803)	1	Z0801-WS

PHOTO #7	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
3	803 HUB BREAKDOWN		
A	DUST CAP 3-5/8"	1	WHB803L
B	COTTER PIN	1	QPPC182
C	CASTLE NUT 7/8" SAE	1	FNT78S
D	WASHER 7/8" SAE	1	WHB803J
E	INNER BEARING	1	WHB803D
F	INNER RACE	1	WHB803E
G	HUB ONLY W/ RACES	1	WHB803A
H	OUTER RACE	1	WHB803G
I	OUTER BEARING	1	WHB803F
J	SEAL	1	WHB803C
K	LUG BOLT 9/16" FINE	6	FLB916112


6a,b,d
5
1
2
4
3
photo #8

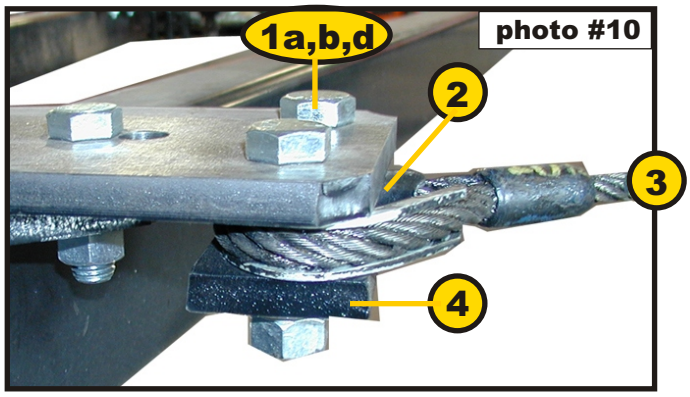

K
A B C D E F G H I J
photo #9

XT FLEX HARROW PARTS LIST GAUGE WHEEL			
PHOTO #8	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
1	TIRE 11L X 15 8 PLY IMP	1	WTI11L
2	WHEEL 15 X 8 X 6 STEM PROTECT	1	WWH1586SP
3	HUB ONLY W/ RACES 709	1	WHB611A
		see photo #9 for details	
4	XT HARROW WING GAUGE WHEEL	1	Z0809-WS
5	XT HARROW WING GAUGE WHEEL PLATE	1	Z3751-WSA
6a	3/4" X 5-1/2" BOLT	4	FHC34512
b	3/4" NUT	4	FNT34
d	3/4" LOCK WASHER	4	FLW34

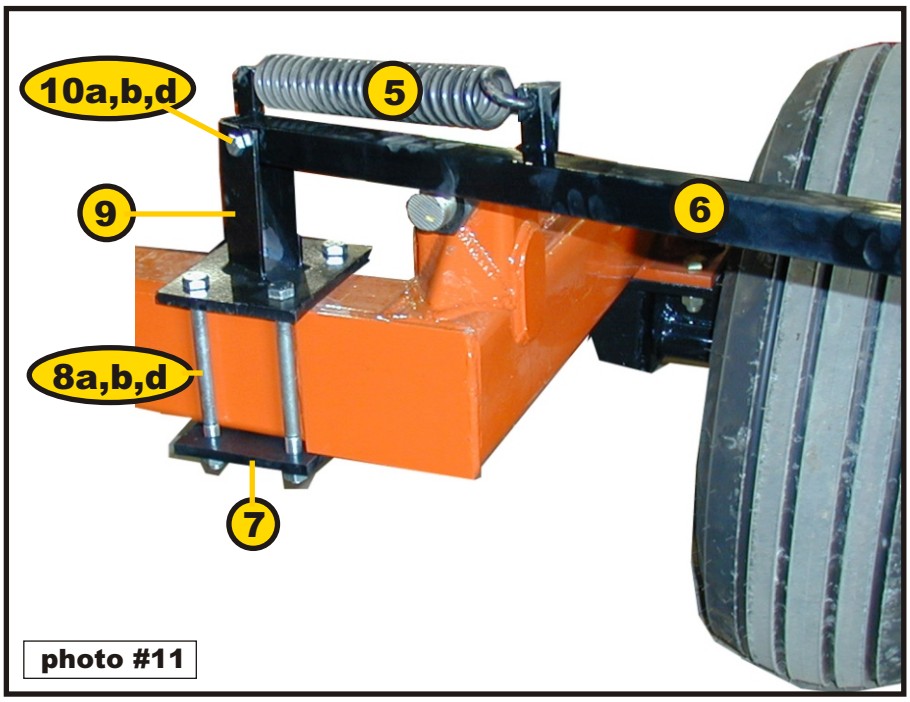
PHOTO #9	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
3	709 HUB BREAKDOWN		
A	DUST CAP 2-7/16"	1	WHB611L
B	COTTER PIN	1	QPPC182
C	CASTLE NUT 7/8" SAE	1	FNT78S
D	WASHER 7/8" SAE	1	FFW78W
E	INNER BEARING	1	WHB611D
F	INNER RACE	1	WHB611E
G	HUB ONLY W/ RACES	1	WHB611A
H	OUTER RACE	1	WHB611G
I	OUTER BEARING	1	WHB611F
J	SEAL	1	WHB611C
K	LUG BOLT 1/2" FINE	6	FLB12112

CABLE

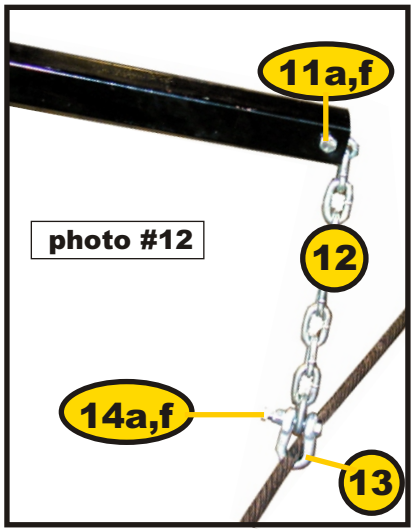
TONGUE

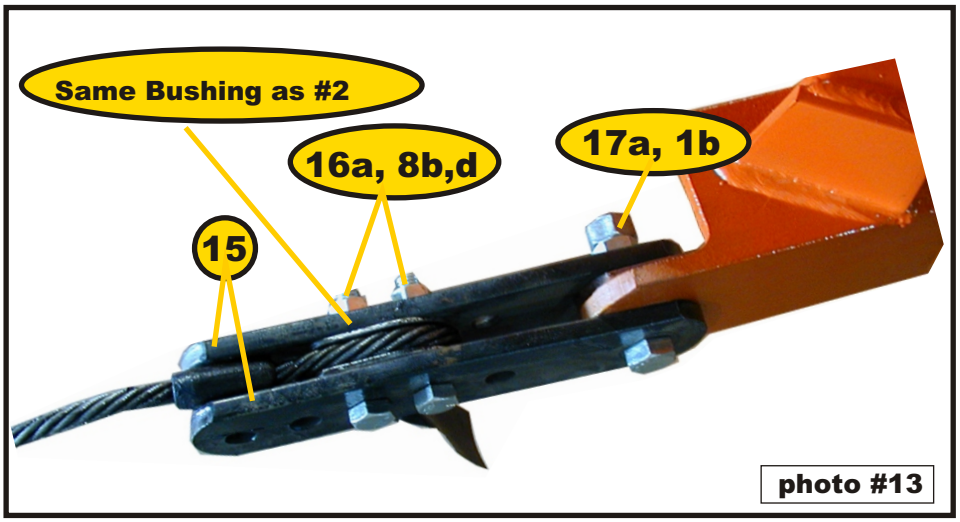


TRAILER



ARM





WING

XT FLEX HARROW PARTS LIST

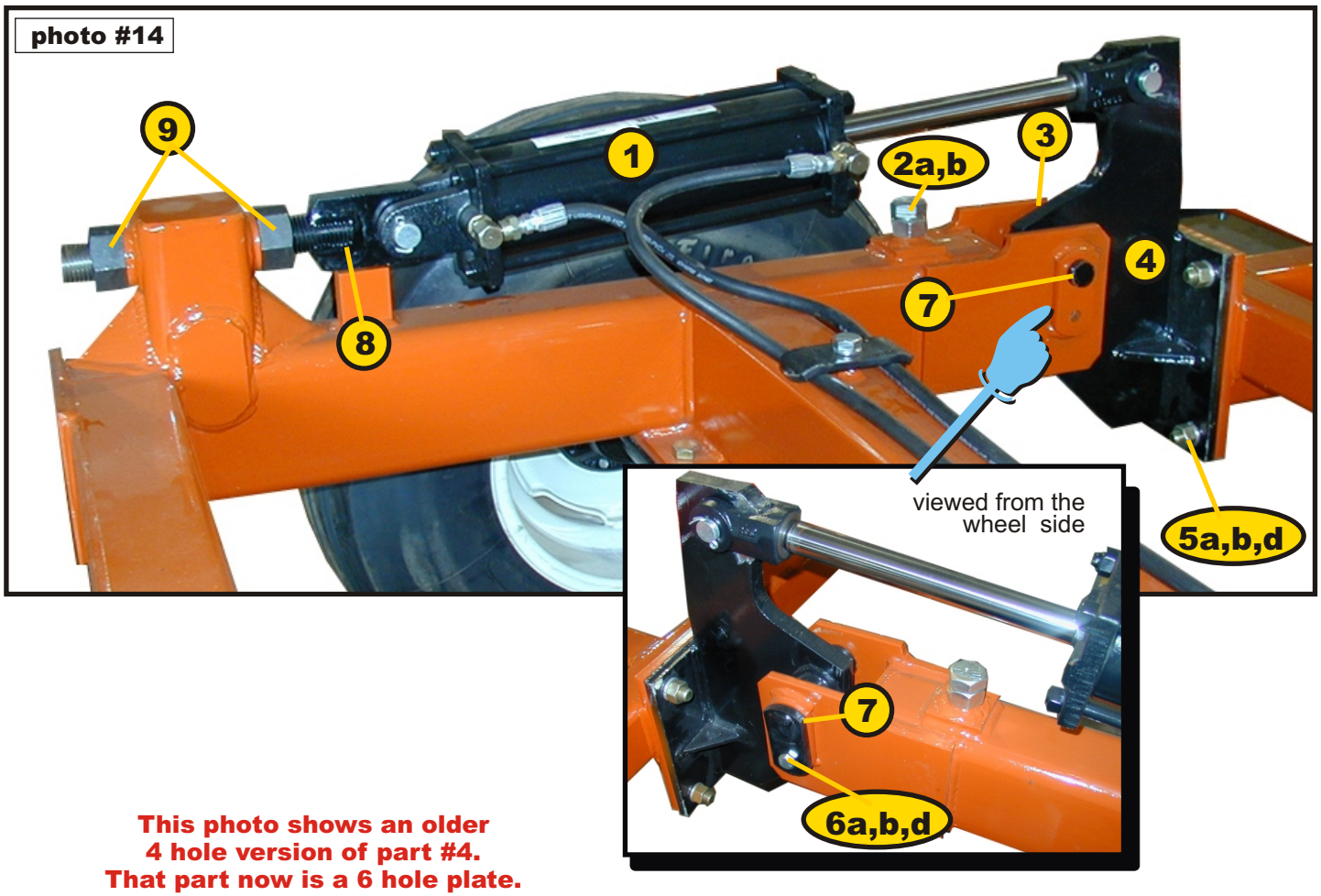
CABLE

PHOTO #10	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
1a	3/4" X 3" BOLT	4	FHC343
b	3/4" NUT	8	FNT34
d	3/4" LOCK WASHER	8	FLW34
2	BUSHING	2	Z0140Q
3	167" CABLE 31' - 36'	2	ADL000X30
	213-1/2" CABLE 39' - 51'	2	ADL000X42
4	2 HOLE PLATE	2	Z0140P

PHOTO #11	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
5	SPRING	2	D907-04104
6	CABLE RETRACTOR ARM	2	Z0811-WSB
7	RECEIVER PLATE	2	Z3008I
8a	5/8" X 8" BOLT	8	FHC588
b	5/8" NUT	16	FNT58
d	5/8" LOCK WASHER	16	FLW58
9	CABLE RETRACTOR FMB	2	Z0811-WSA
10a	1/2" X 3" BOLT (GRADE 8)	2	FHC123GR8
b	1/2" NUT	2	FNT12GR8
d	1/2" LOCK WASHER	2	FLW12

PHOTO #12	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
11a	3/8" X 2" BOLT	2	FHC382
f	3/8" NYLON LOCK NUT	2	FNT38W
12	1/4" PROOF COIL CHAIN (10 LINKS)	2	DAH671491
13	CLEVIS	2	MCL38G
14a	7/16" X 2-1/2" BOLT	2	FHC76212
f	7/16" NYLON LOCK NUT	2	FNT716W

PHOTO #13	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
15	XT CABLE ADJUSTMENT PLATES	4	Z0088A
16a	5/8" X 3" BOLT	4	FHC583
17a	3/4" X 3-1/2" BOLT (DOUBLE NUTTED W/1b)	2	FHC34312
18a	5/8" X 3" BOLT	4	FHC583



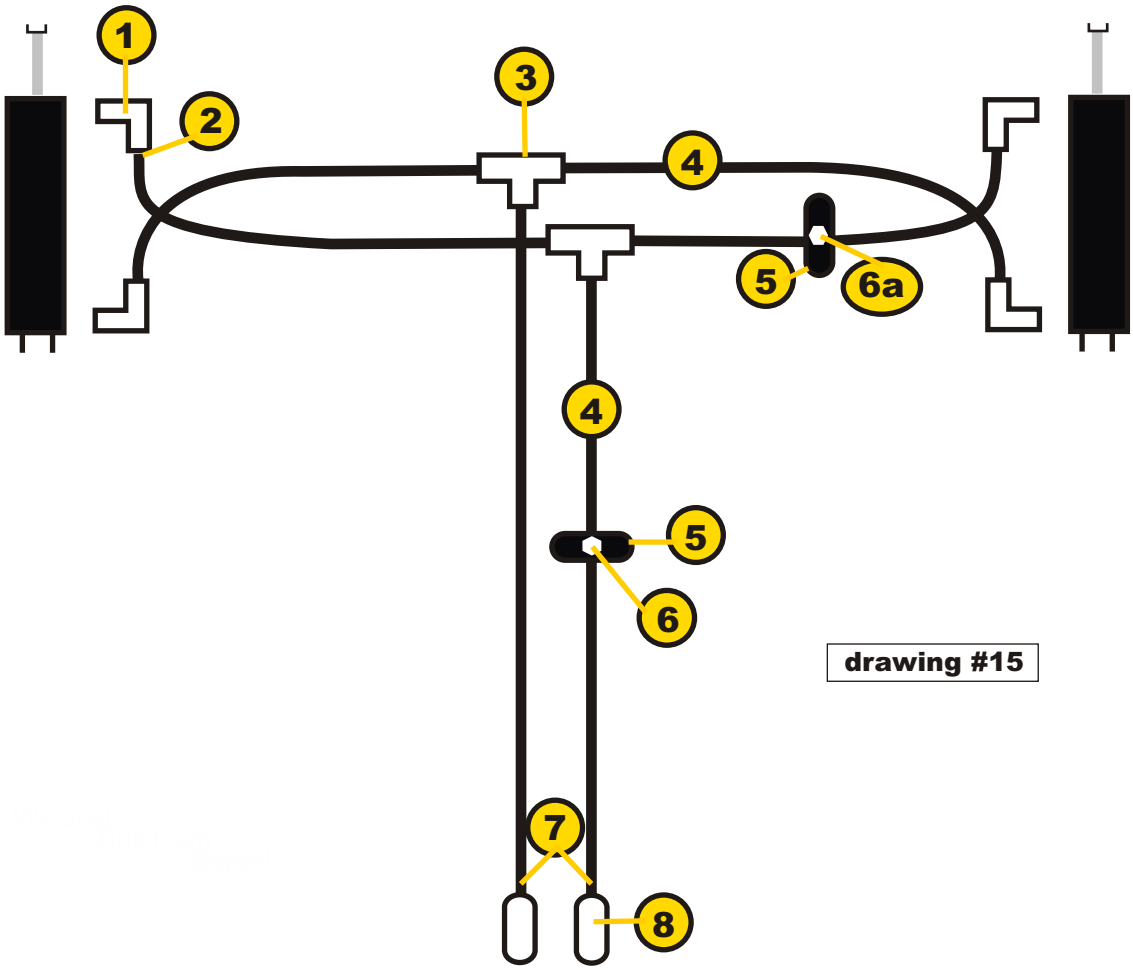
This photo shows an older 4 hole version of part #4. That part now is a 6 hole plate. This changes the count on 5a,b,d.

XT FLEX HARROW PARTS LIST

LIFT

PHOTO #14	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
1	LIFT CYLINDER (4" X 12" 3000 psi)	2	PCY412LION15
2a	1" X 2" BOLT	2	FHC12
b	1" NUT	2	FNT1
3	1/8" GREASE ZERK	2	MMM18
4	XT HARROW CENTER KNUCKLE	2	Z0156-WS
5a	3/4" X 2-1/2" BOLT (GRADE 8)	16	FHC34212GD8
b	3/4" NUT	16	FNT34
d	3/4" LOCK WASHER	16	FLW34
6a	1/2" X 2-1/4" BOLT (GRADE 8)	2	FHC12214GD8
b	1/2" NUT	2	FNT12
d	1/2" LOCK WASHER	2	FLW12
7	XT KNUCKLE PIN	2	Z0252-WSD
8	1-1/2" ALL THREAD CYLINDER ADJUSTMENT	2	Z0106-WS

LIFT HYDRAULICS

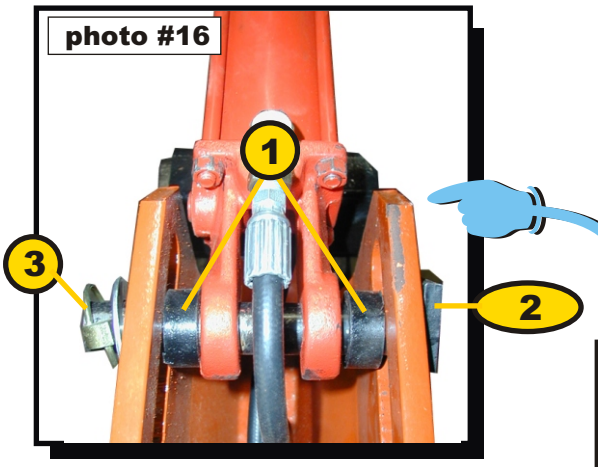


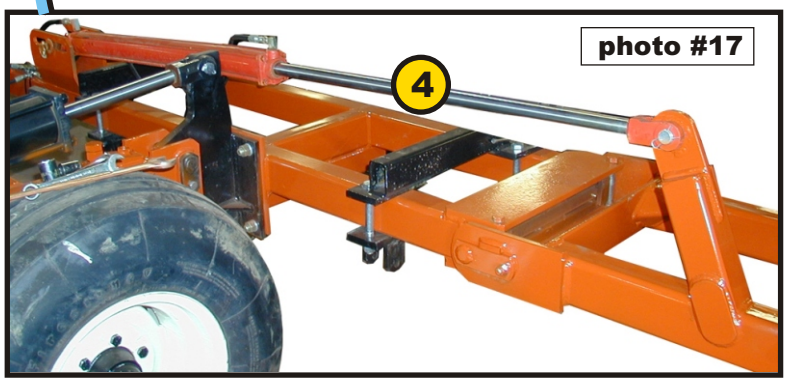
drawing #15

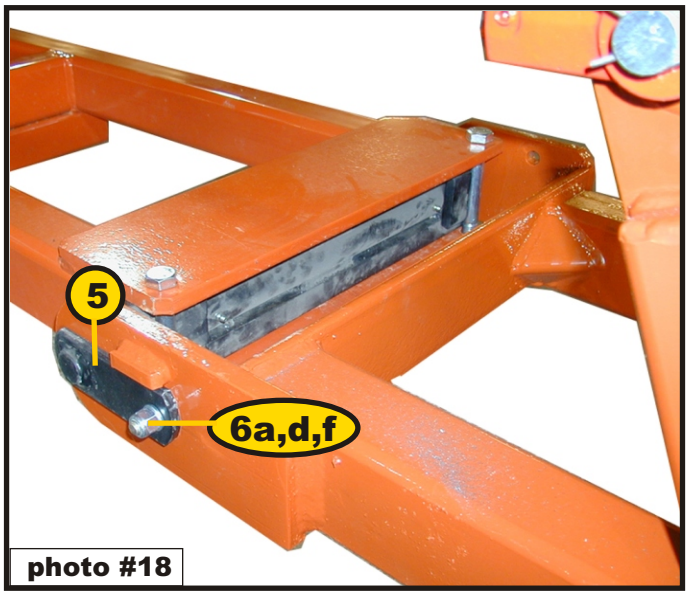
XT FLEX HARROW PARTS LIST

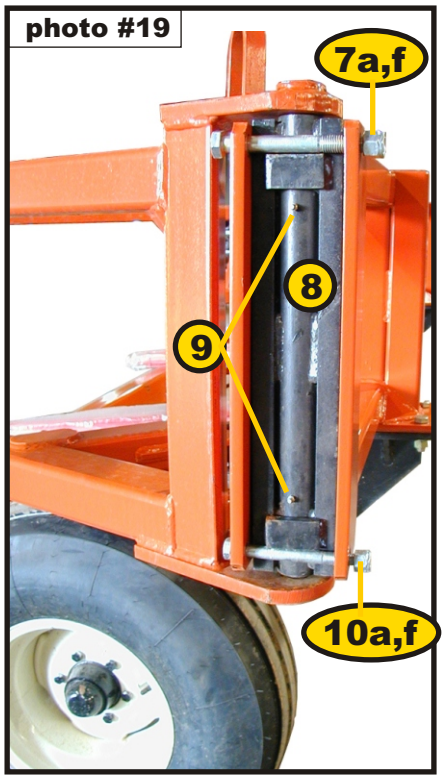
LIFT HYDRAULICS

DRAW #15	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
1	SWIVEL CONNECTOR 90° 1/2"boss X 3/8"fpt	4	PGF8MB-6FPX90
2	SWEDGE END 3/8"	10	PFH6G-6MP
3	SWIVEL TEE 3/8"fpts	2	PFTS6FPXT
4	BULK 3/8" HYDRAULIC HOSE		HOHY3801
	FROM TEE TO CYLINDER:		
	4' 6" LONG (w/ (2) #2)	4	
	FROM TRACTOR TO TEE:		
	33' XT = 18' (w/ (1) #2 and (1) #7)	2	
	45' XT = 24' (w/ (1) #2 and (1) #7)	2	
	51' XT = 25' 6" (w/ (1) #2 and (1) #7)	2	
5	HYDRAULIC HOSE HOLDER		Z0056N
	12' TONGUE	8	
	15' TONGUE	9	
	TONGUE EXTENSION	add 1	
6	5/8" X 1" BOLT	see #5	FHC581
7	SWEDGE END 1/2"	2	PFH6G-8MP
8	PIONEER HYDRAULIC END	2	PTIS8010
9	CABLE TIES AS NEEDED (NOT PICTURED)		


photo #16
1
2
3


photo #17
4


5
6a,d,f
photo #18


photo #19
7a,f
8
9
10a,f

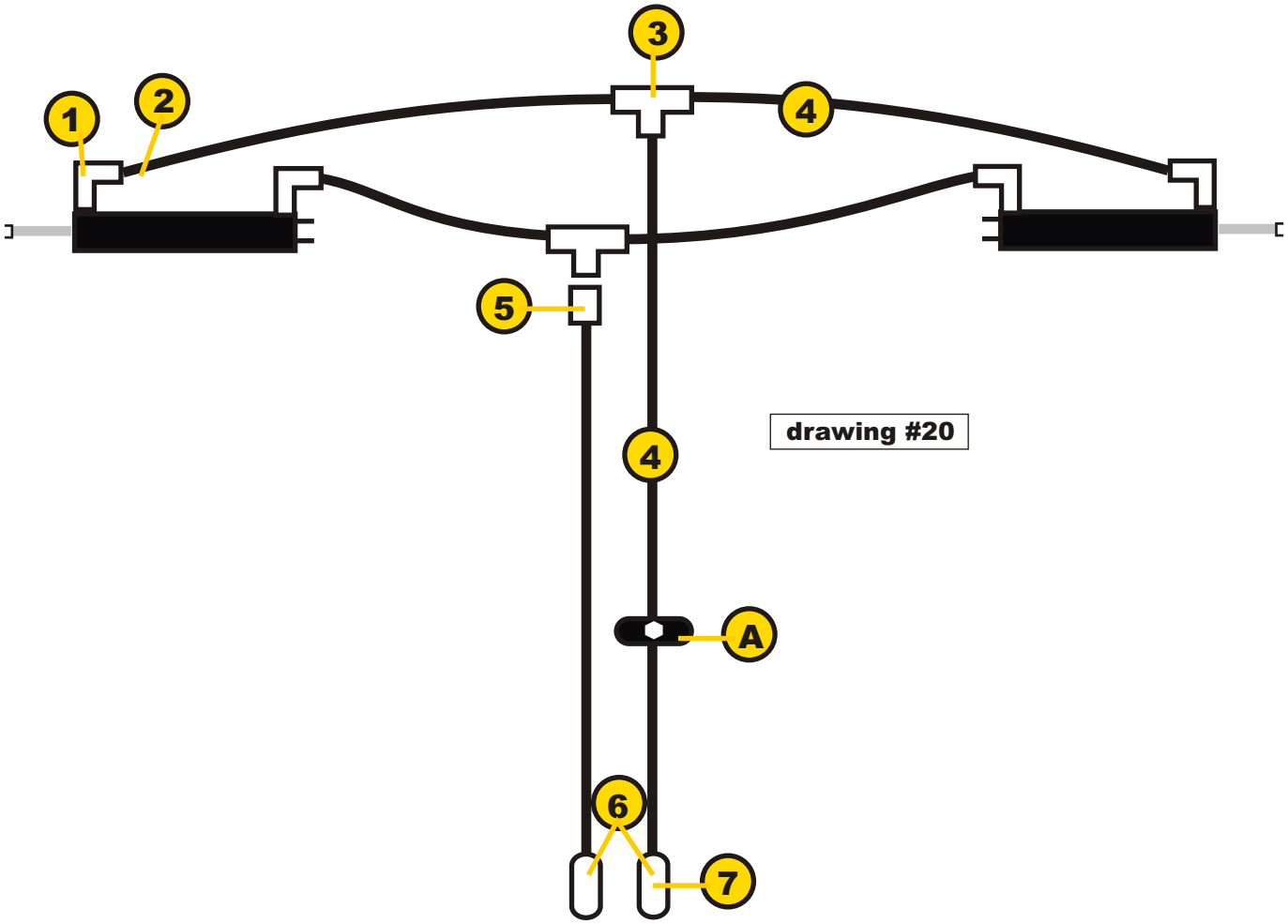
XT FLEX HARROW PARTS LIST FOLD			
PHOTO #16	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
1	BUSHING	4	Z0806K
2a	XT WING CYLINDER PIN	2	Z0250J
c	1" FLAT WASHER	2	FFW1
3	7/16" QUICK CLIP	2	QPPQ716

PHOTO #17	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
4	CYLINDER 2-1/2 X 36 X 125	2	PCY21236LIONB

PHOTO #18	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
5	XT WING PIN	2	Z0252-WSI
6a	1/2" X 2" BOLT (GRADE 8)	2	FHC122GD8
d	1/2" LOCK WASHER	2	FLW12
f	1/2" NYLON LOCK NUT	2	FNT12W

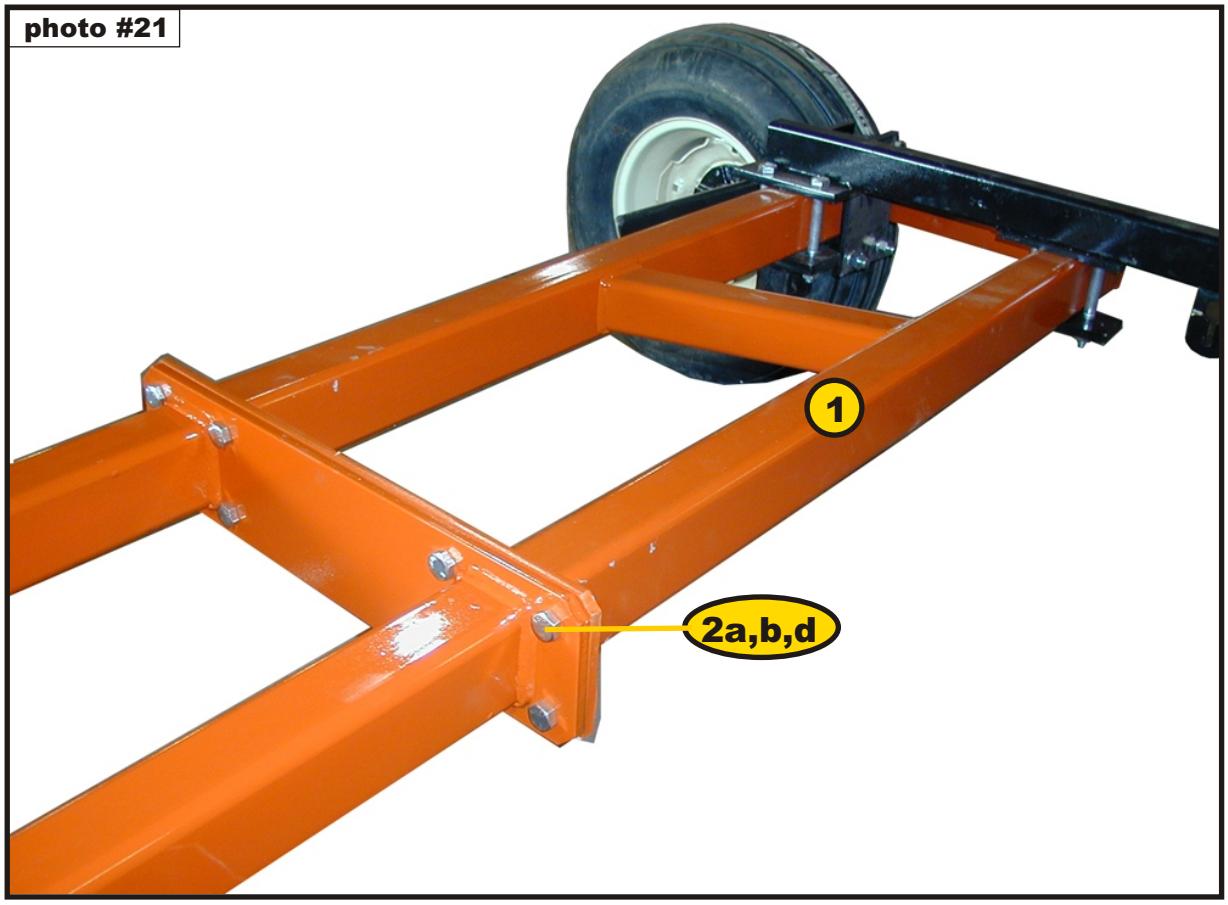
PHOTO #19	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
7a	3/4" X 6-1/2" BOLT	2	FHC34612
f	3/4" NYLON LOCK NUT	2	FNT1W
8	XT WING KNUCKLE	2	Z0070-WSB
9	1/8" GREASE ZERK	2	MMM18
10a	3/4" X 6-1/2" BOLT	2	FHC34612
f	3/4" NYLON LOCK NUT	2	FNT34W

FOLD HYDRAULICS



XT FLEX HARROW PARTS LIST FOLD HYDRAULICS			
DRAW #20	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
1	SWIVEL CONNECTOR 90^{O} 3/8"mpt X 1/4"fpt	4	PFF6MP-4FPX90
2	SWEDGE END 1/4"	10	PFH6G-4MP
3	SWIVEL TEE 1/4"fpts	2	PFTS4FPXT
4	BULK 1/4" HYDRAULIC HOSE		HOHY3801
	FROM TEE TO CYLINDER:		
	20" LONG (w/ (2) #2)	2	
	4' 9" LONG (w/ (2) #2)	2	
	FROM TRACTOR TO TEE:		
	33' XT = 20' (w/ (1) #2 and (1) #7)	2	
	45' XT = 26' (w/ (1) #2 and (1) #7)	2	
	51' XT = 27' 6" (w/ (1) #2 and (1) #7)	2	
5	INLINE RESTRICTOR (1/16" HOLE)	1	PFAA4MP-4FPXR
6	SWEDGE END 1/2"	2	PFH4G-8MP
7	PIONEER HYDRAULIC END	2	PTIS8010
8	CABLE TIES AS NEEDED (NOT PICTURED)		
A	SEE PAGE 12 LIFT HYDRAULICS #5 & #6 (DRAWING #15)		

BOLT ON WING EXTENSIONS



XT FLEX HARROW PARTS LIST BOLT ON WING EXTENSIONS			
PHOTO #21	DESCRIPTION	HOW MANY USED	WAKO PART NUMBER
1	33" EXTENSION (installed as a pair of 16-1/2")	2	Z0050-WSA
	36" EXTENSION (installed as a pair of 18")	2	Z0050-WSB
	50" EXTENSION (installed as a pair of 25")	2	Z0050-WSE
2a	5/8" X 1-3/4" BOLT	16	FHC58134
b	5/8" NUT	16	FNT58
d	5/8" LOCK WASHER	16	FLW58

FLEX HARROW PARTS

FLEX HARROW
KNUCKLE ASSEMBLY

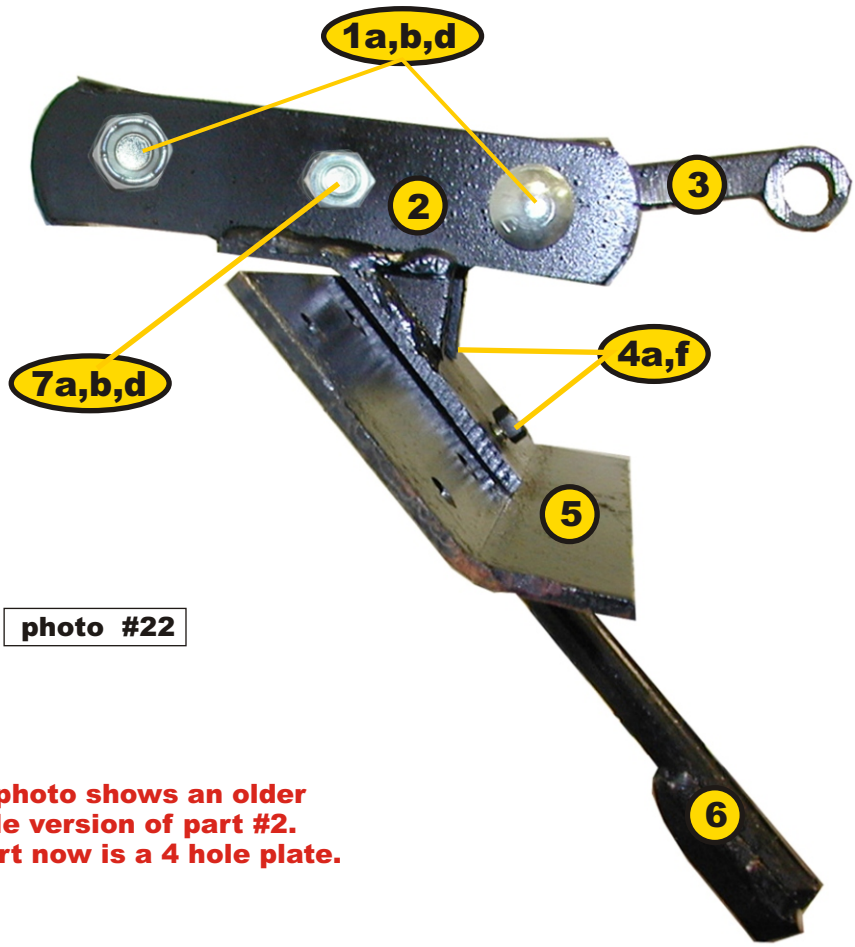
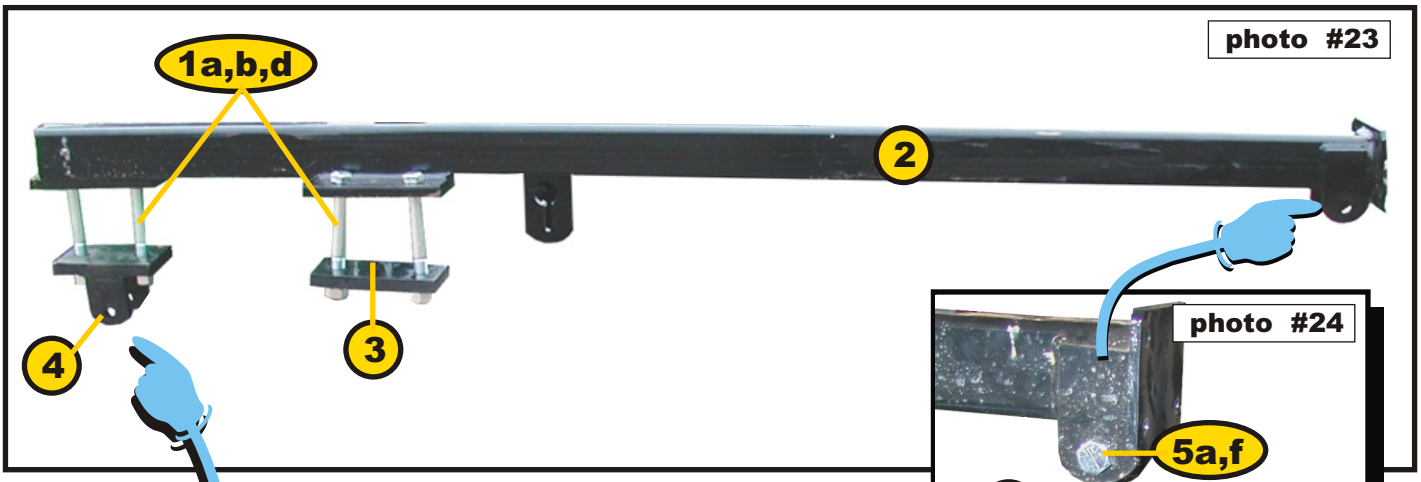


photo #22

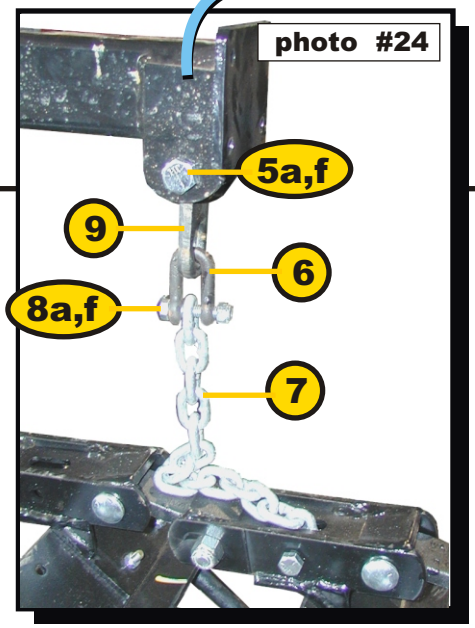
This photo shows an older 3 hole version of part #2. That part now is a 4 hole plate.

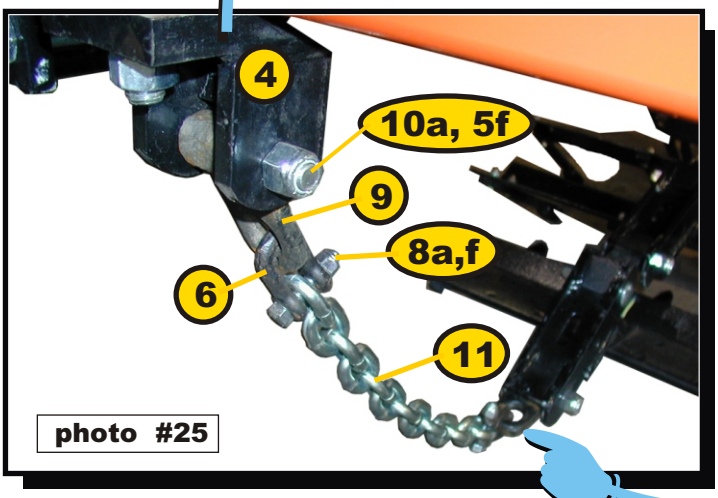
XT FLEX HARROW PARTS LIST FLEX HARROW KNUCKLE ASSEMBLY			
PHOTO #22	**DESCRIPTION**	HOW MANY USED	**WAKO PART NUMBER**
1a	5/8" X 3-1/2" CARRIAGE BOLT		FCR58312
b	5/8" NUT		FNT58
d	5/8" LOCK WASHER		FLW58
2	KNUCKLE (NO LINK OR BOLTS)		Z0522-WSA
3	CAST HINGE LINK (FULL)		Z0532A
4a	3/8" X 1-1/4" BOLT (GRADE 8 ONLY!)		FHC38114GR8
	3/8" X 1-1/2" BOLT (GRADE 8 ONLY!) USE THIS SIZE BOLT IF TINE LINES UP WITH KNUCKLE		FHC38112GR8
f	3/8" NYLON LOCK NUT		FNT38W
5	TINE PLATE		
6	TINE w/ CHROME INSERT		Z8526-WSB
7a	1/2" X 3-1/2" BOLT		FHC12312
b	1/2" NUT		FNT12
d	1/2" LOCKWASHER		FLW12

FLEX HARROW
HANGER ARM, HANGER CHAIN & PULL CHAIN

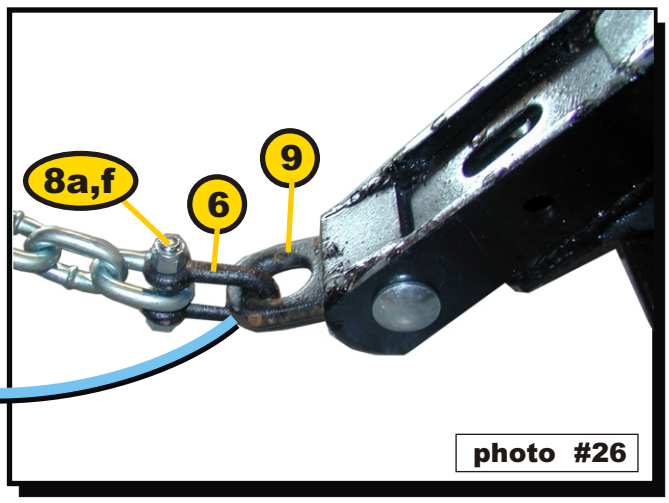


HANGER ARM AND HANGER CHAIN





PULL CHAIN



FLEX HARROW
HANGER ARM, HANGER CHAIN & PULL CHAIN

PHOTO #23	DESCRIPTION	HOW MANY USED PER ARM	WAKO PART NUMBER
1a	3/4" X 6-1/2" BOLT	4	FHC34612
b	3/4" NUT	4	FNT34
d	3/4" LOCK WASHER	4	FLW34
2	FLEX HARROW HANGER ARM	1	Z0813-WS
3	RECEIVER PLATE	1	Z0812E
4	HANGER PLATE	1	Z0812-WSB

PHOTO #24	DESCRIPTION	HOW MANY USED PER ARM	WAKO PART NUMBER
5a	5/8" X 4" BOLT	1	FHC584
f	5/8" NYLON LOCK NUT	2	FNT58W
6	CLEVIS	3	MCL38G
7	HANGER CHAIN (14 LINKS LONG)	1	Z0539D
8a	7/16" X 2" BOLT	3	FHC7162
f	7/16" NYLON LOCK NUT	3	FNT716W
9	CAST HINGE LINK (HALF)	3	Z0532B

PHOTO #25	DESCRIPTION	HOW MANY USED PER ARM	WAKO PART NUMBER
10a	5/8" X 4" BOLT	1	FHC584
11	PULL CHAIN (13 LINKS)	1	Z0539C

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