



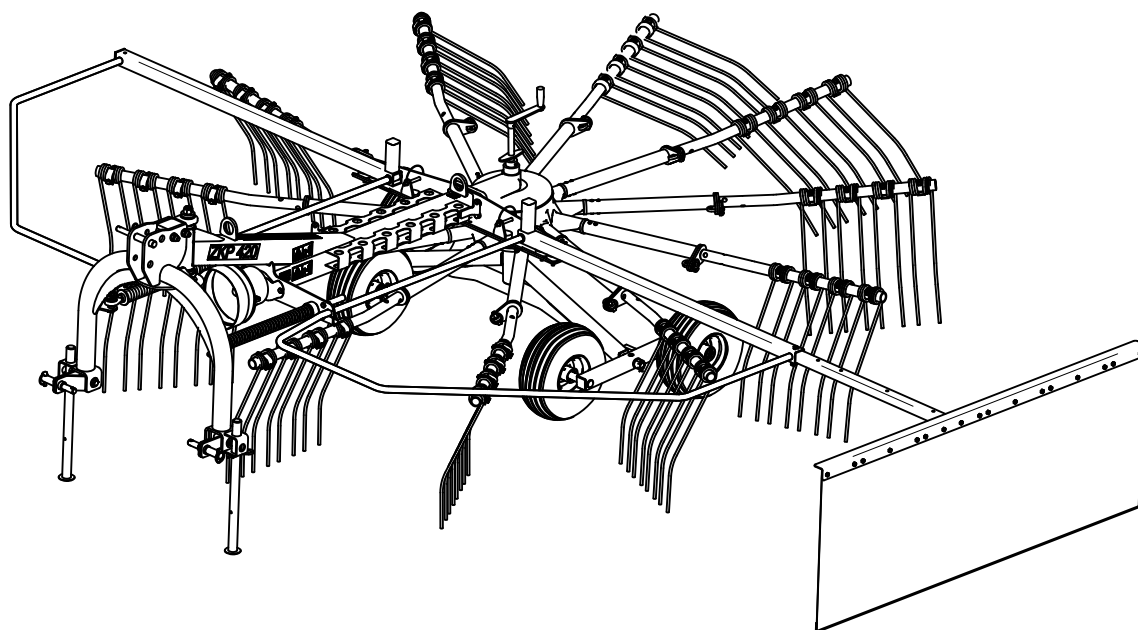
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SPARE PARTS LIST



ROTARY WINDROWER RAKES ZKP 420

ISSUE 1A-08-2009

PUBLICATION NO 180N-00000000-SP

GB

SPARE PARTS LIST

ROTARY WINDROWER RAKES

ZKP 420

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INTRODUCTION

The sequence of presentation of the individual items of the spare parts list does not constitute assembly/disassembly sequence.

The manufacturer reserves the right to introduce design changes in machines produced that facilitate operation and improve the quality of their work.

The spare parts list is valid on the day it is issued.

If in doubt, please contact your dealer or the manufacturer directly.

Manufacturer's address:

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HOW TO USE THIS SPARE PARTS LIST?

1

RAMA NOŚNA

178N-01000000

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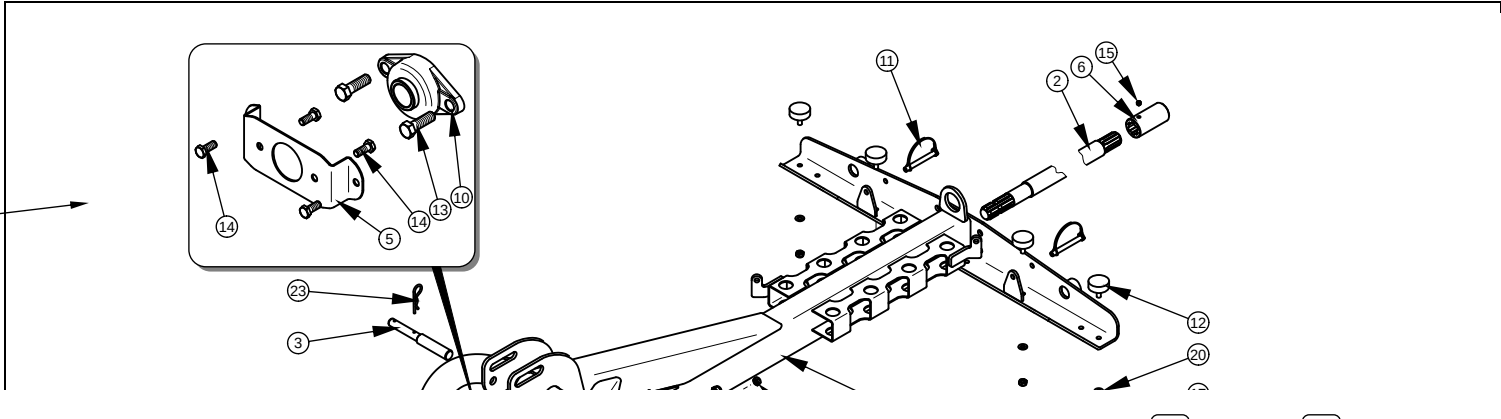
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ZKP 300

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3



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RAMA NOŚNA

178N-01000000

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5

001/1 - 001/3

ZKP 300

6



LP.	NAZWA CZĘŚCI	TYP	NUMER KATALOGOWY (NUMER NORMY)	IŁOŚĆ	UWAGI	ZK
1	RAMA SPAWANA		178N-01010000	1		
2	WAŁEK NAPEŁDOWY		178N-01020000	1		

7

8

9

10

11

12

13

- (1) Name of assembly

(2) Complete assembly number

(3) Assembly drawing
- (4) Drawing number

(5) Drawing callouts

(6) Machine type
- (7) Item number

(8) Part name

(9) Part type
- (10) Catalogue or standard number

(11) Number of parts in a set

(12) Notes concerning a part
- (13) Design modification number

In this spare parts list all assembly drawings are presented along the left side of the page and the associated parts list is presented along the right side of the page.

Each assembly drawing and a table listing the spare parts are described by *name of assembly (1)* and *complete assembly number (2)* – if available. Due to complexity of some assemblies, they can be divided into subassemblies and presented on several assembly drawings. The first segment of a *drawing number (4)*, denotes a group of drawings presenting the entire assembly, while the second segment of *drawing number (4)* denotes a specific drawing in a given group. For example, if a given complete assembly is presented on three drawings, each of these will be numbered as follows 001/1, 001/2 and 001/3. Field (5) in the tables listing spare parts for a group of drawings will indicate a number as follows: 001/1 – 001/3.

Item number (7) listed in the table refers to a part number called out on the assembly drawing.

The column *design modifications (13)* lists and numbers of change is referring to a given part (group of parts). Design modifications (if any) are listed at the end of *Spare parts list* and refer to older versions of the machine.

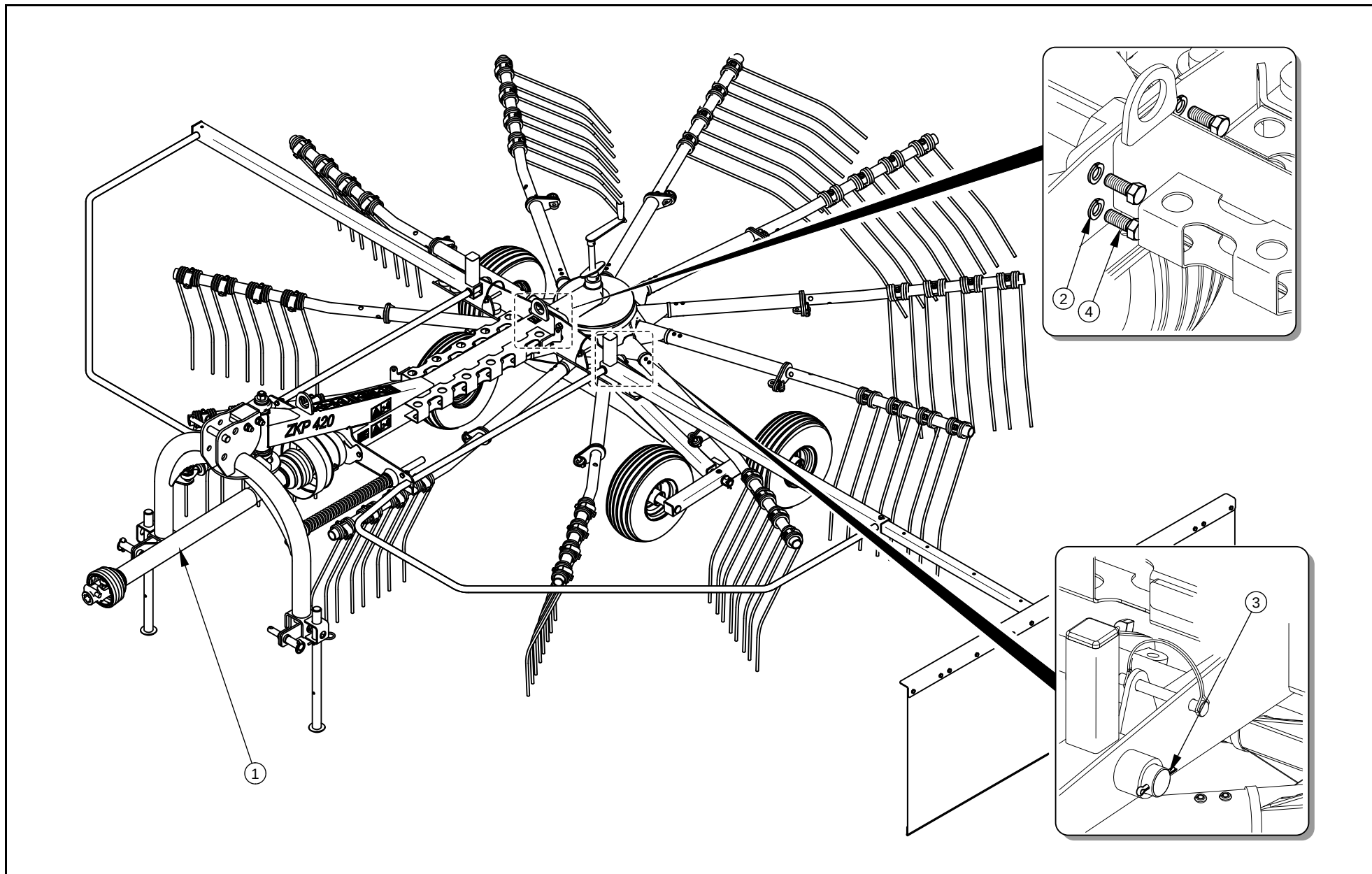
An arrow shown on the assembly drawing indicates normal operation (travel) direction of the machine.

ORDERING SPARE PARTS.

Each spare parts order must indicate the following information:

- Part name
- Part type
- Part number
- Number of parts on order
- Machine type and its serial number

A complete order must also indicate contact information of the ordering party and the delivery address.



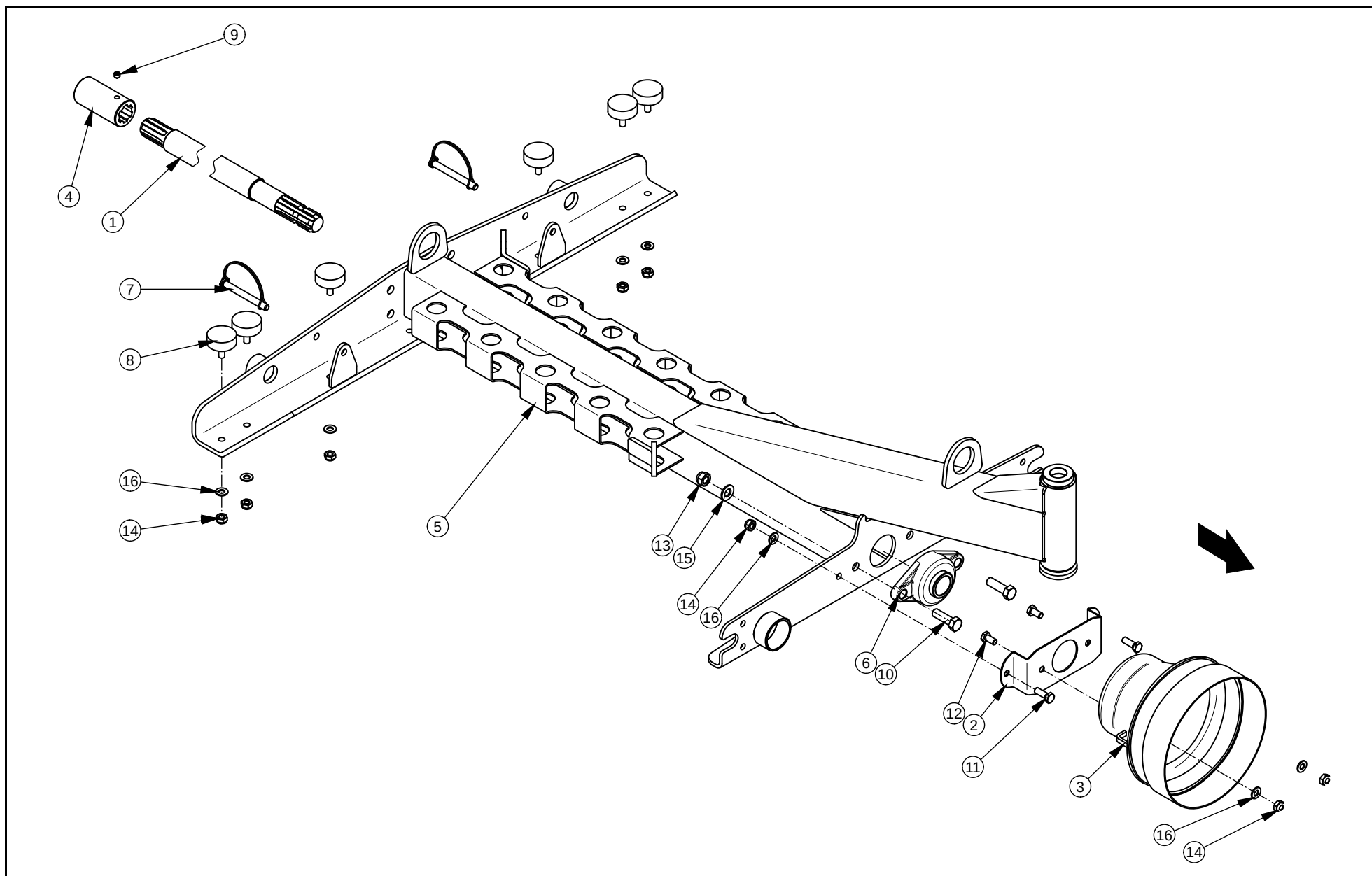
ROTARY WINDROWER RAKES ZKP 420

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ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	PTO SHAFT		7102086CE007136	1		
1	PTO SHAFT		T200860ENC12U34	1		
1	PTO SHAFT		1620-6200-086-03	1		
2	SPRING WASHER	Z14.2-Fe/Zn5	PN-77/M-82008	4		
3	COTTER PIN	5x50-St-A2J	PN-EN ISO 1234:2001	2		
4	BOLT	M14x35-10.9-A2J	PN-EN ISO 4017:2002	4		
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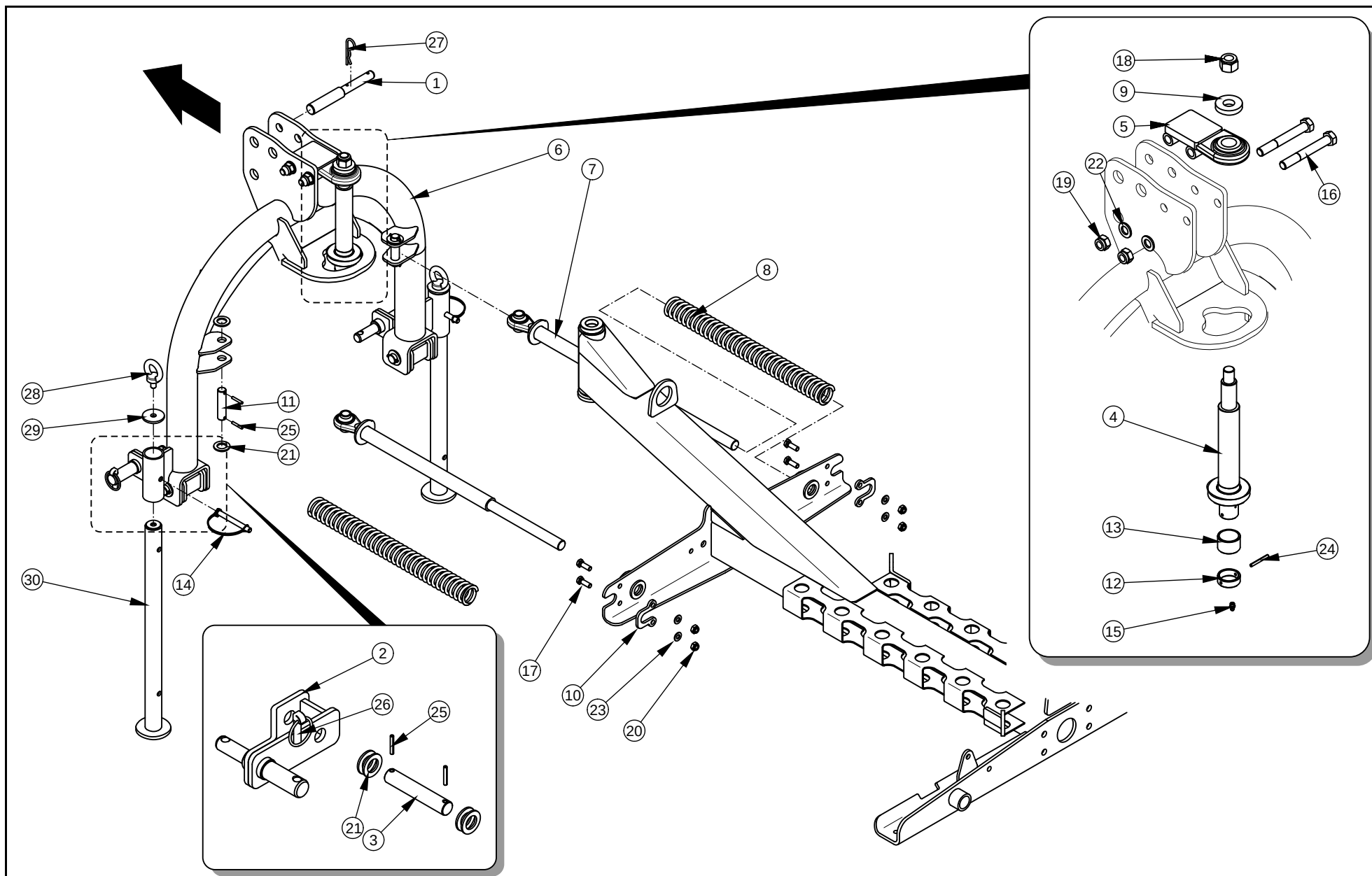
BEARING FRAME - DRIVE TRANSMISSION

002/1

ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	DRIVING SHAFT		178N-01020000	1		
2	GUARD MOUNT		178N-01060000	1		
3	SHAFT TERMINAL SHIELD 41703	41703		1		
4	SLEEVE	1 3/8"	178N-01090000	1		
5	WELDED FRAME		180N-01010000	1		
6	BEARING ASSEMBLY	UCFL 207		1		
7	TUBE COTTER PIN	11x100	20029882	2		
8	METAL RUBBER SHOCK ABSORBER	50x18 type D	10416	6		
9	SET SCREW	M10x10-A2J	PN-EN ISO 4027:2004	1		
10	BOLT	M14x45-8.8-A2J	PN-EN ISO 4017:2002	2		
11	BOLT	M10x30-8.8-A2J	PN-EN ISO 4017:2002	2		
12	BOLT	M10x20-8.8-A2J	PN-EN ISO 4017:2002	2		
13	SELF LOCKING NUT	M14-8-A2J	PN-EN ISO 7040:2003	2		
14	SELF LOCKING NUT	M10-8-A2J	PN-EN ISO 7040:2003	10		
15	WASHER	14-100 HV-A2J	PN-EN ISO 7093-1:2002	2		
16	WASHER	10-100 HV-A2J	PN-EN ISO 7093-1:2003	10		
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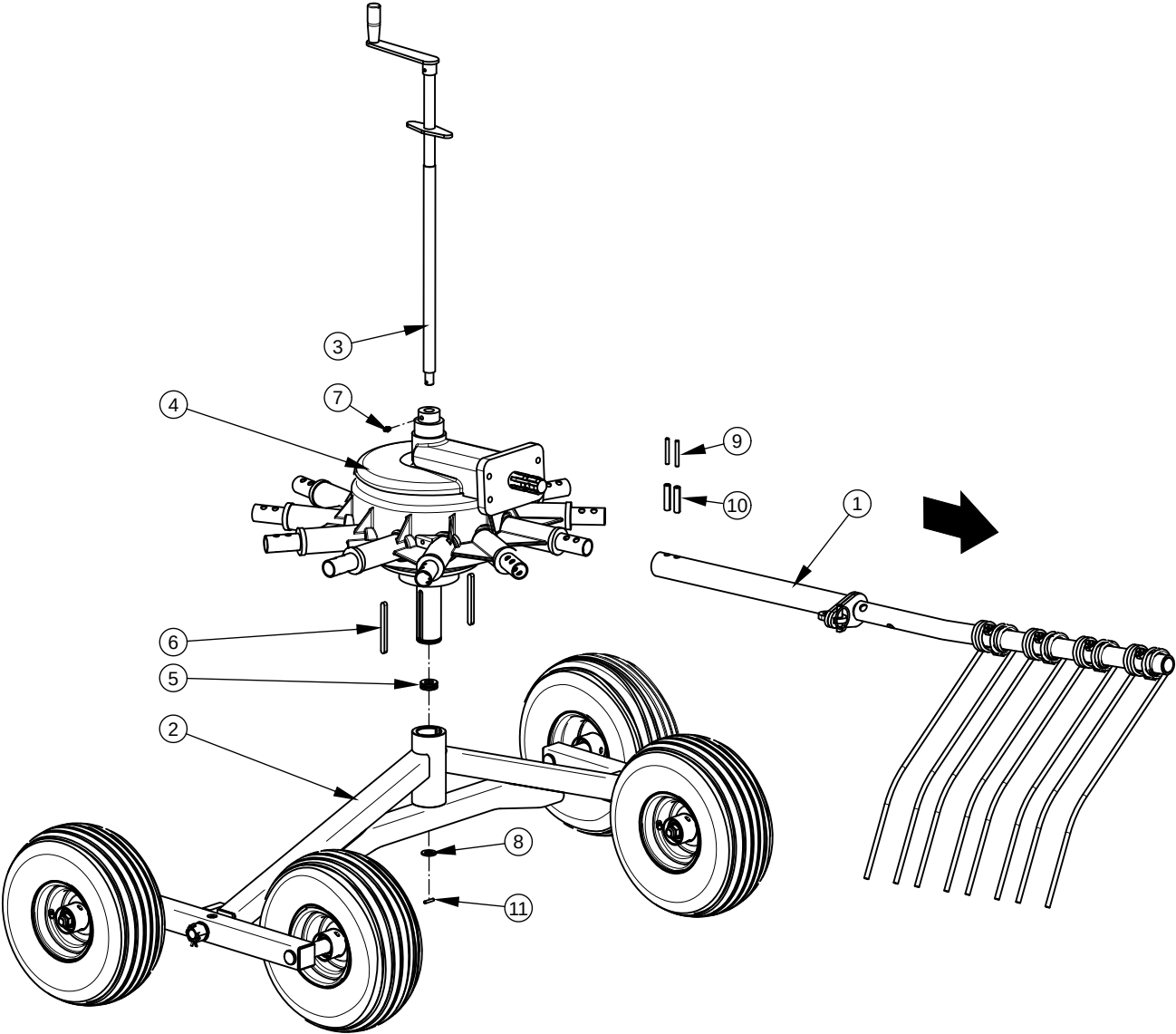
BEARING FRAME - HITCHING SYSTEM

003/1

ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	HITCH PIN - UPPER		178N-01040000	1		
2	HITCH ROCKER ARM		178N-01100000	2		
3	HITCH PIN		178N-01110000	2		
4	ROTATOR PIN		180N-01020000	1		
5	BALL-AND-SOCKET JOINT		180N-01030000	1		
6	HITCH		180N-01040000	1		
7	SHOCK ABSORBER GUIDE		180N-01050000	2		
8	SHOCK ABSORBER SPRING		180N-01060000	2		
9	SPECIAL WASHER		180N-01070000	1		
10	LUG		180N-01080000	2		
11	ROTARY PIN	FI19	180N-01090000	2		
12	RING		180N-01100000	1		
13	NEEDLE BEARING RING	35X42X27	IR35X42X27	1		
14	TUBE COTTER PIN	11X100	20029882	2		
15	LUBRICATING POINT	M8X1	PN-76/M-86002	1		
16	BOLT	M16X120-8.8-A2J	PN-EN ISO 4014:2002	2		
17	BOLT	M10X30-8.8-A2J	PN-EN ISO 4017:2002	4		
18	SELF LOCKING NUT	M20-8-A2J	PN-EN ISO 7040:2003	1		
19	SELF LOCKING NUT	M16-8-A2J	PN-EN ISO 7040:2003	2		
20	SELF LOCKING NUT	M10-8-A2J	PN-EN ISO 7040:2003	14		
21	WASHER	20-100 HV-A2J	PN-EN ISO 7091:2003	12		
22	WASHER	16-100 HV-A2J	PN-EN ISO 7091:2003	2		
23	WASHER	10-100 HV-A2J	PN-EN ISO 7093-1:2003	14		
24	SPRING PIN	5X45-ST	PN-EN ISO 8752:1997	1		
25	SPRING PIN	5X35-ST	PN-EN ISO 8752:1997	8		
26	PIN	12X55-A2J	PN-ISO 7072	2		
27	SPRING COTTER PIN	4X75-A2J	PN-ISO 7072	1		
28	EYE BOLT	M12-A2J	DIN 580	2		ZK01
29	SUPPORT THE LEG LOCK		185N-01350000	2		ZK01
30	SUPPORT LEG		198N-01090000	2		ZK01
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WORKING ASSEMBLY

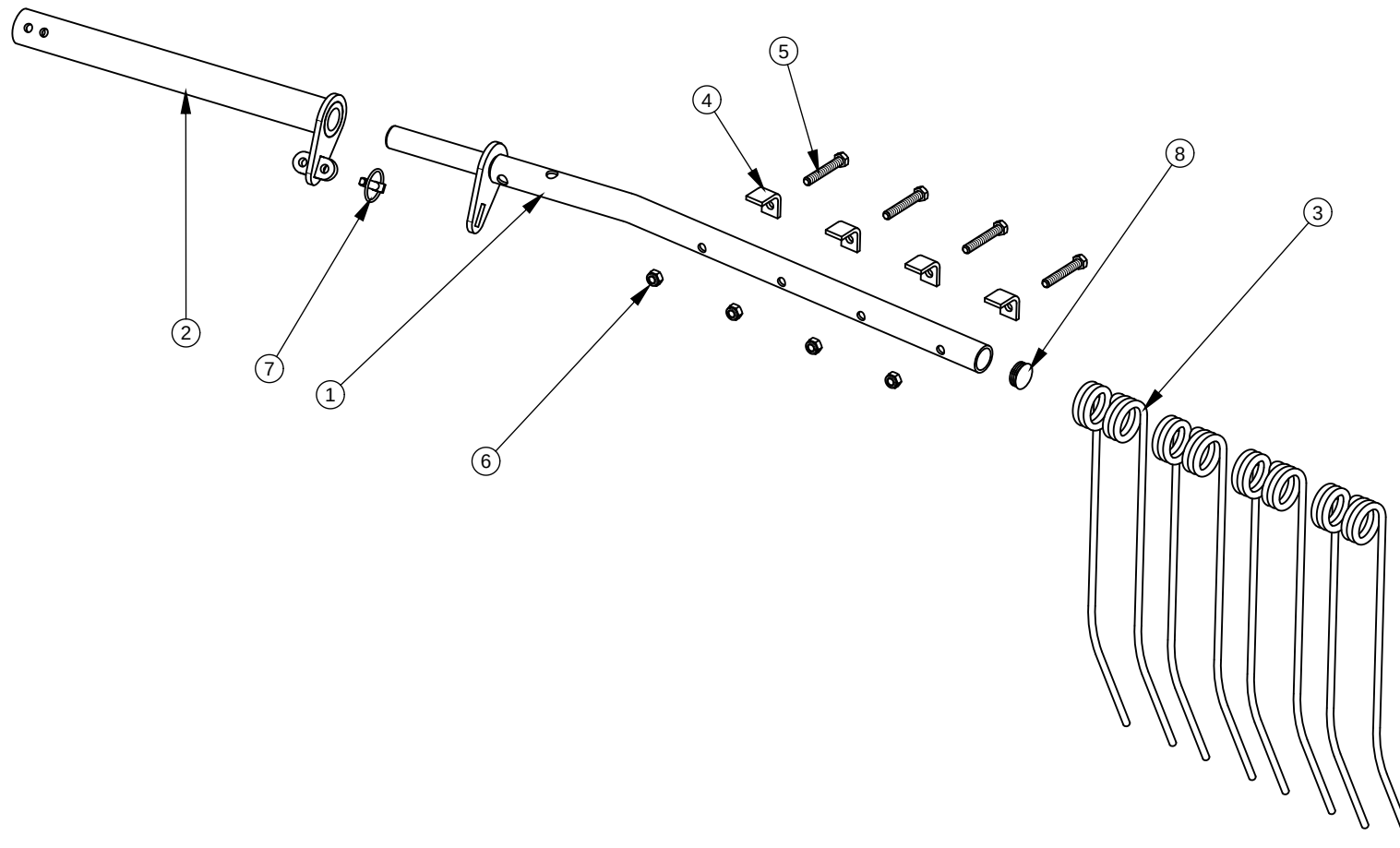
180N-02000000

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ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	RAKING ARM		180N-02010000	11		
2	WHEEL SUSPENSION		180N-02020000	1		
3	ADJUSTMENT BOLT		180N-02030000	1		
4	GEAR:	K-792A		1		
5	BEARING	51203		1		
6	PARALLEL KEY	A10x8x110	PN-70/M-85005	2		
7	LUBRICATING POINT	M8x1	PN-76/M-86002	1		
8	WASHER	16-100 HV-A2J	PN-EN ISO 7091:2003	1		
9	SPRING PIN	7x55-St	PN-EN ISO 8752:1997	22		
10	SPRING PIN	12x55-St	PN-EN ISO 8752:1997	22		
11	SPRING PIN	5x25-St	PN-EN ISO 8752:1997	1		
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RAKING ARM 180N-02010000

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ZKP 420

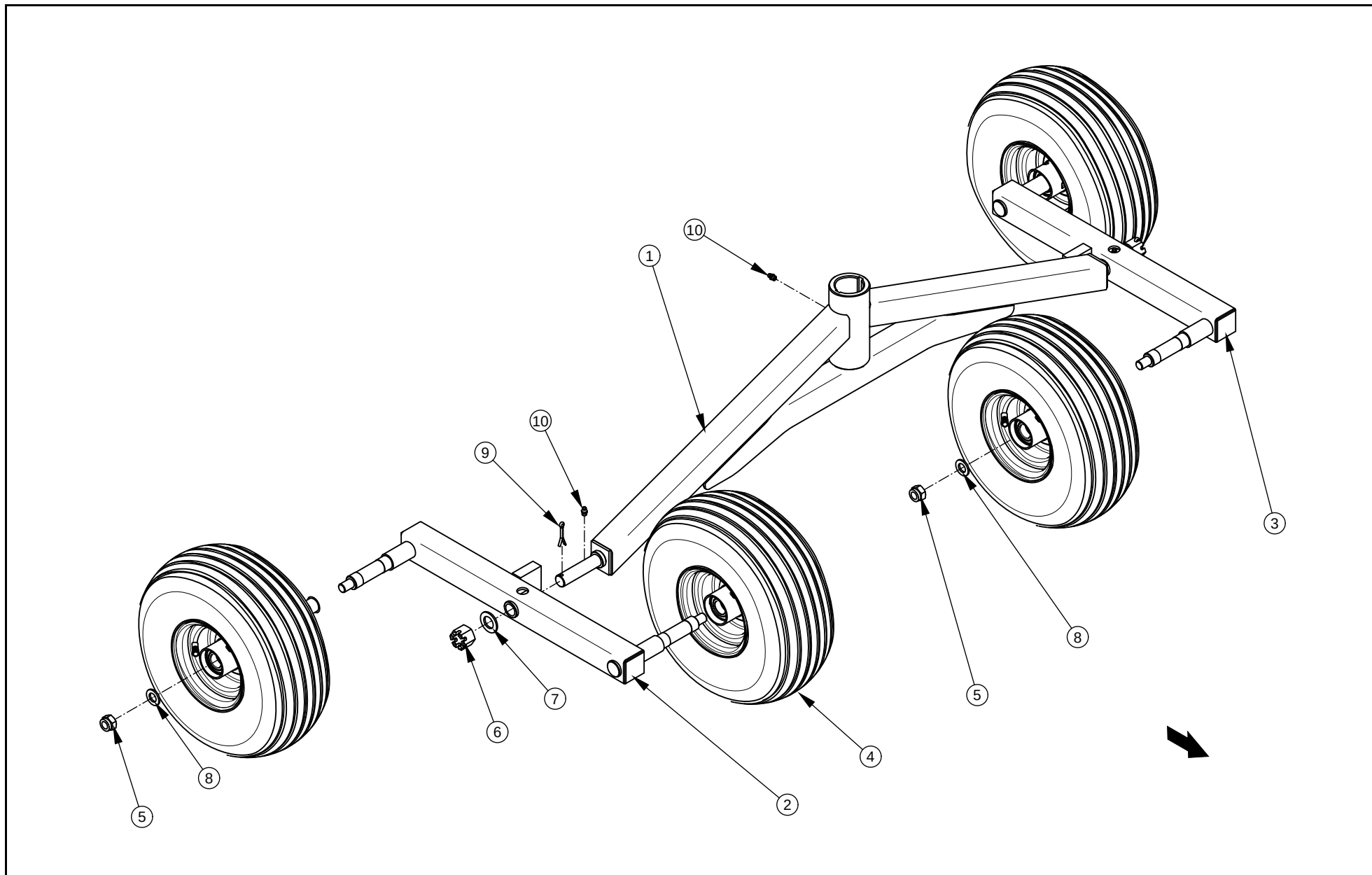


ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	EXTENSION ARM		180N-02010100	1		
2	ARM MOUNT		180N-02010200	1		
3	SPRINGTINE		178N-02010300	4		
4	MOUNTING ANGLE SECTION		180N-02010300	4		
5	BOLT	M12x75-8.8-A2J	PN-EN ISO 4014:2002	4		
6	SELF LOCKING NUT	M12-8-A2J	PN-EN ISO 7040:2003	4		
7	PIN	12x55-A2J	PN-ISO 7072	1		
8	TUBE STOPPER	40	466578	1		
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WHEEL SUSPENSION
180N-02020000

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ZKP 420



WHEEL SUSPENSION 180N-02020000

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ZKP 420

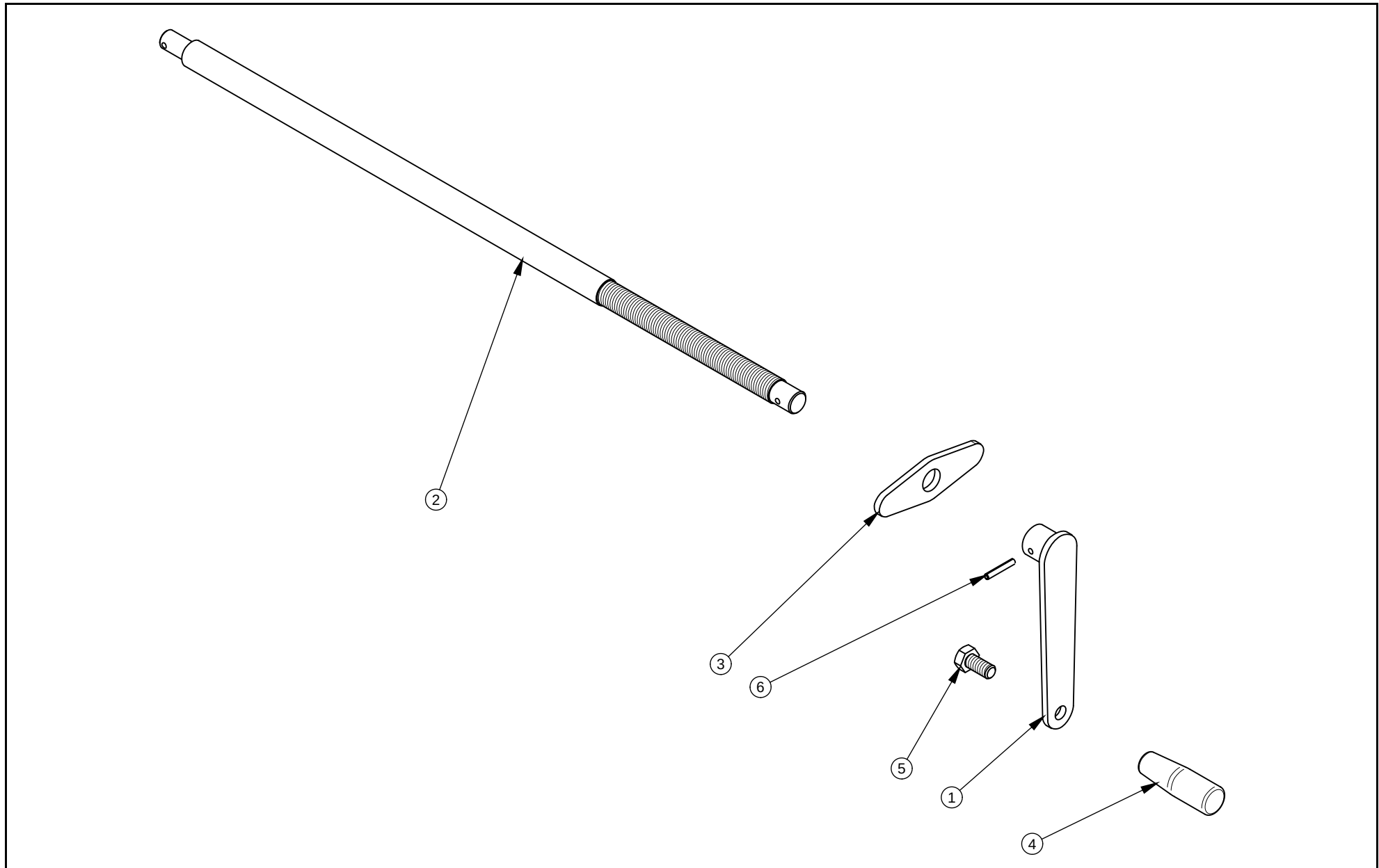


ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	WHEEL BEAM		180N-02020100	1		
2	RIGHT WHEEL ARM		180N-02020200	1		
3	LEFT WHEEL ARM		180N-02020300	1		
4	COMPLETE WHEEL	15x6.00-6 V64 4PR		4		
5	SELF LOCKING NUT	M16-8-A2J	PN-EN ISO 7040:2003	4		
6	CASTELLATED NUT	M22x1.5-8-A2J	PN-86/M-82148	2		
7	WASHER	22-100 HV-A2J	PN-EN ISO 7091:2003	2		
8	WASHER	16-100 HV-A2J	PN-EN ISO 7091:2003	4		
9	COTTER PIN	5x36-St-A2J	PN-EN ISO 1234:2004	2		
10	LUBRICATING POINT	M8x1	PN-76/M-86002	3		
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ADJUSTMENT BOLT
180N-02030000

007/1

ZKP 420



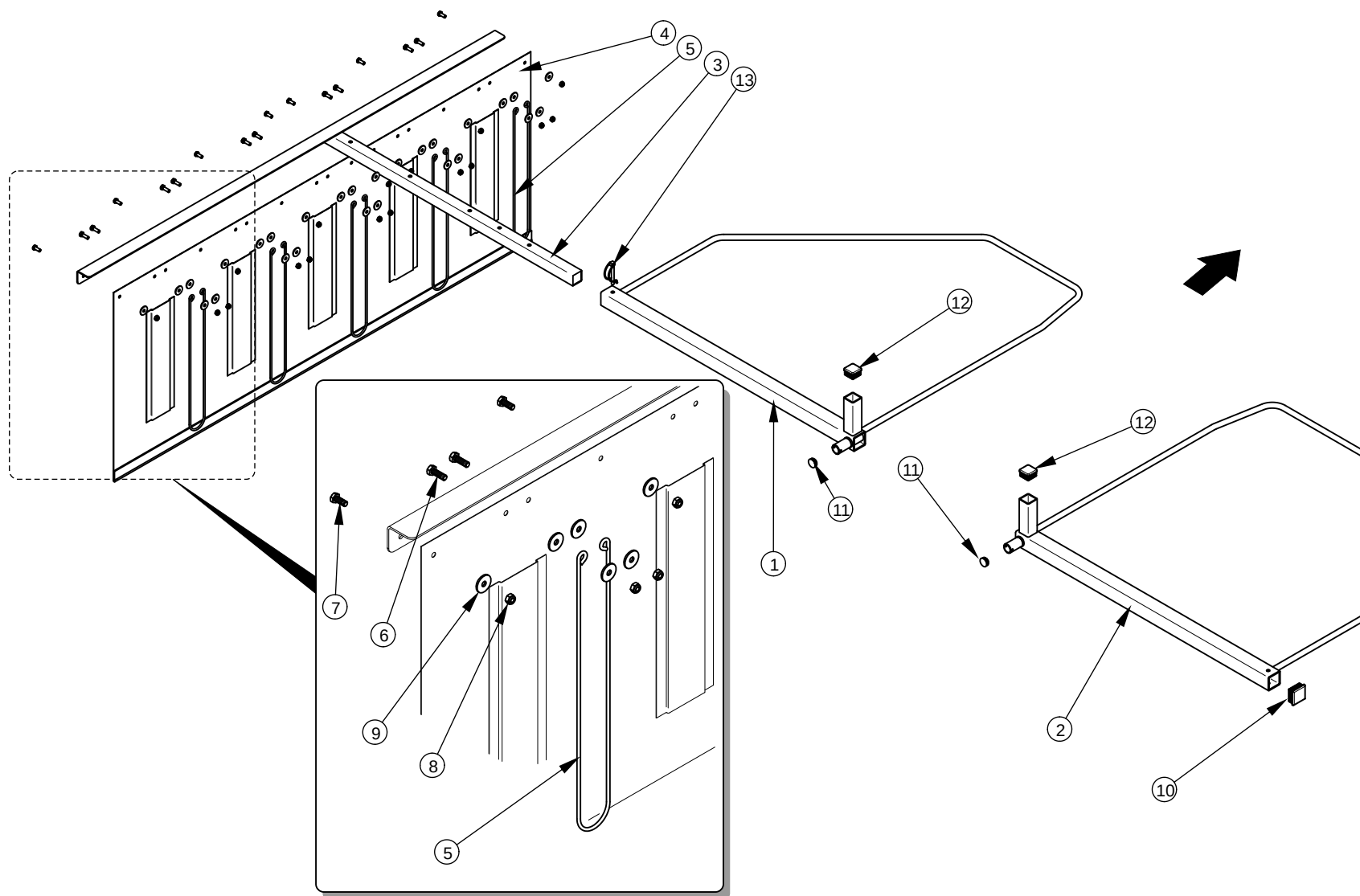
ADJUSTMENT BOLT 180N-02030000

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ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	CRANK		178N-02030100	1		
2	SPECIAL BOLT		180N-02030100	1		
3	HOLDING SHAPE		178N-02030400	1		
4	HANDLE		6.0121.08012	1		
5	BOLT	M12x25-5.6-A2J	PN-EN ISO 4017:2002	1		
6	SPRING PIN	5x32-St	PN-EN ISO 8752:1997	1		
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GUARD ASSEMBLY

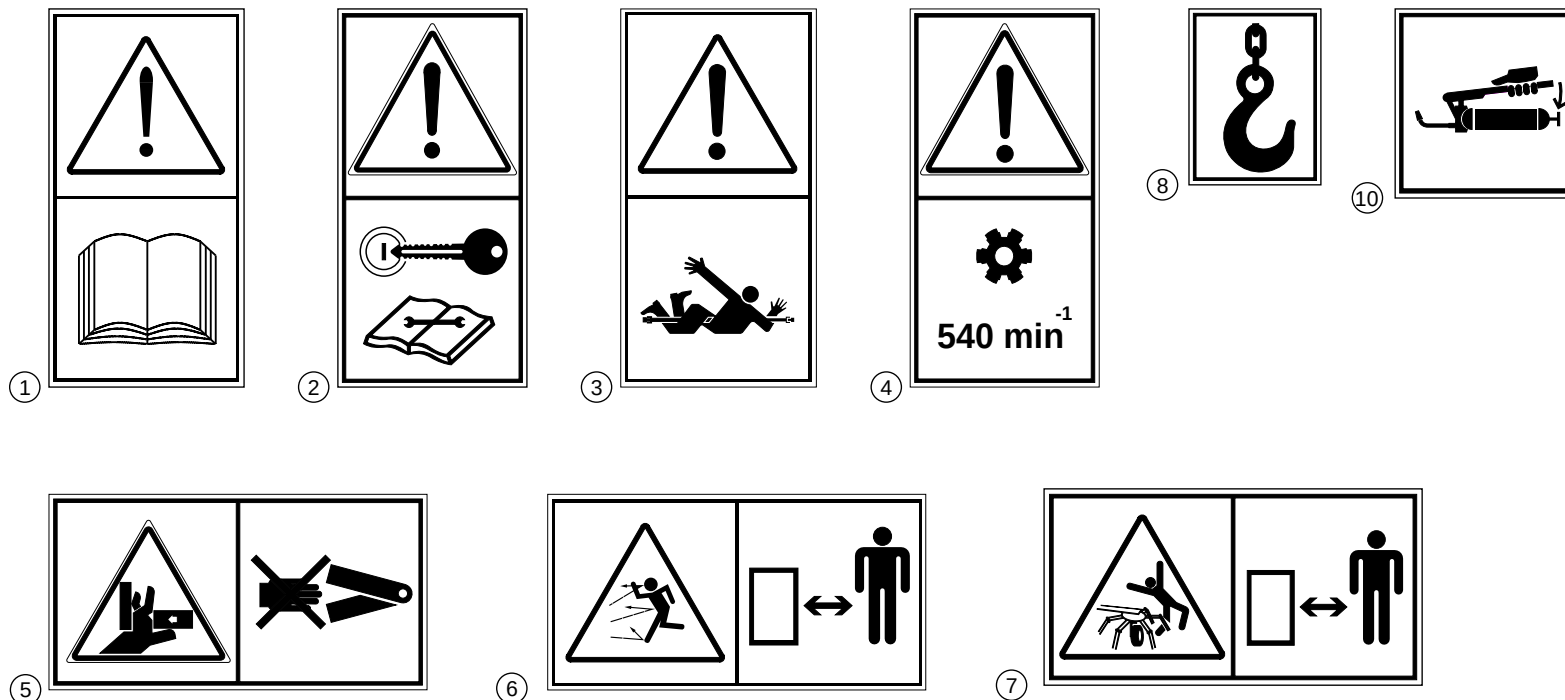
180N-03000000

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ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	RIGHT GUARD WING		180N-03020000	1		
2	LEFT GUARD WING		180N-03010000	1		
3	EXTENSION ARM		178N-03020000	1		
4	FORMING SHIELD		178N-03030000	1		
5	TARPAULIN TENSIONING SPRING		178N-03040000	5		
6	BOLT	M8x25-8.8-A2J	PN-EN ISO 4017:2002	10		
7	BOLT	M8x20-8.8-A2J	PN-EN ISO 4017:2002	7		
8	SELF LOCKING NUT	M8-8-A2J	PN-EN ISO 7040:2003	17		
9	WASHER	8-100 HV-A2J	PN-EN ISO 7093-1:2003	27		
10	PROFILE STOPPER	50x50	111223	1		
11	TUBE STOPPER	28	466573	2		
12	PROFILE STOPPER	40x40	111221	2		
13	TUBE COTTER PIN	8x70	200233385	1		
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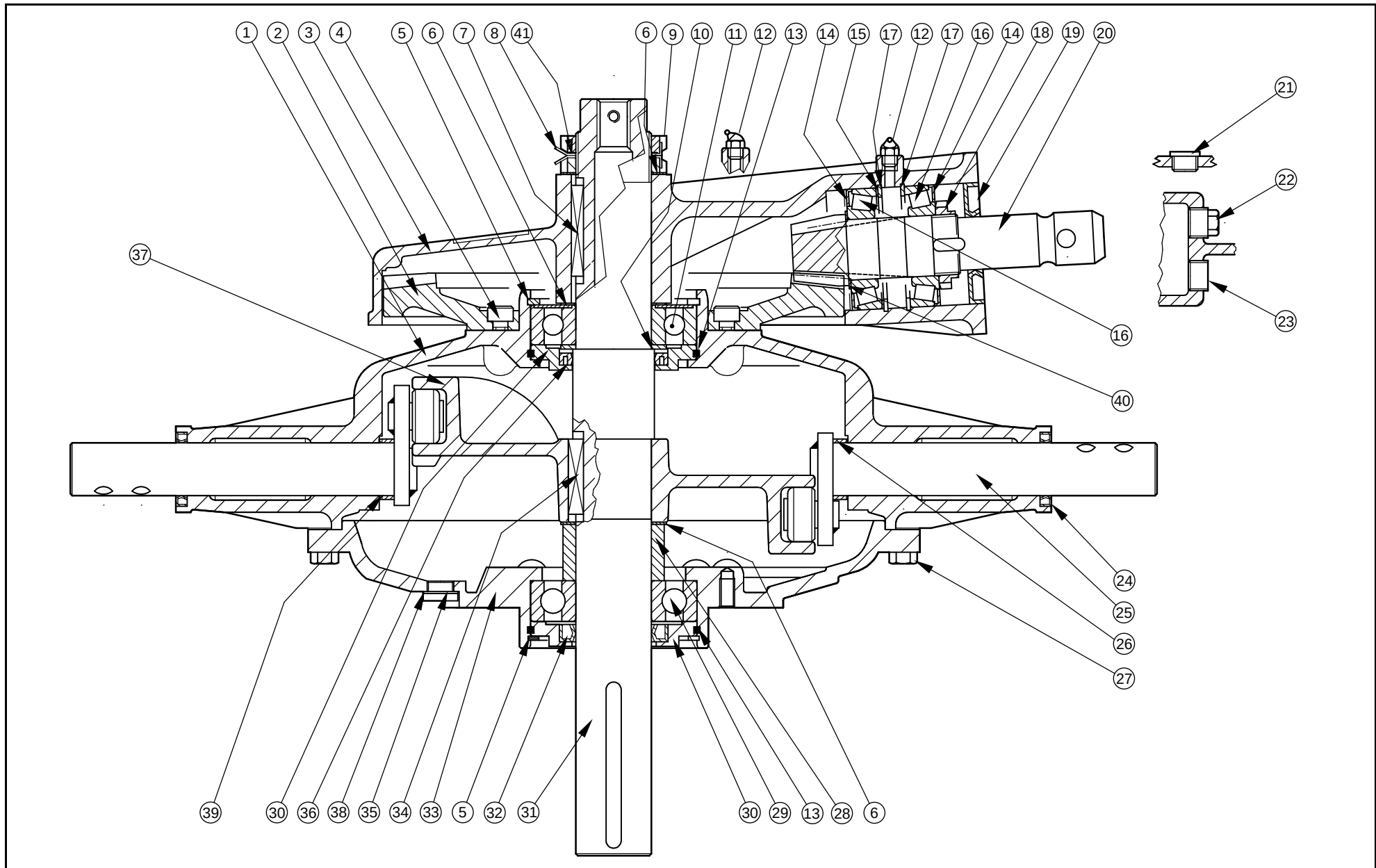
INFORMATION AND WARNING DECALS

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ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	INFORMATION DECAL		178N-00000001	1		
2	INFORMATION DECAL		178N-00000002	1		
3	INFORMATION DECAL		178N-00000003	1		
4	INFORMATION DECAL		178N-00000004	1		
5	WARNING DECAL		178N-00000005	2		
6	WARNING DECAL		178N-00000006	2		
7	WARNING DECAL		178N-00000007	2		
8	HOOK SYMBOL DECAL		178N-00000009	2		
9	MACHINE SYMBOL DECAL		180N-00000001	2		
10	LUBRICATION SYMBOL DECAL		185N-00000011	5		
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REDUCTION GEAR

010/1

ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	MAIN HOUSING		0.792.0300.00	1		
2	TOOTHED COG	M3.75	0.792.6200.00	1		
3	COVER		0.792.1304.00	1		
4	BOLT	M10x22 8.8	0.792.7003.00	8		
5	SPRING RING	110UNI7437	8.5.2.00916	2		
6	WASHER	70.3	0.712.7500.00	3		
7	KEY	B10x8x60	8.4.1.02074	1		
8	SPRING WASHER	50x74x1.25	8.3.8.00336	2		
9	NUT	M50x1.5 H11	8.2.5.00176	2		
10	WASHER	50.3x2.5	0.712.7525.00	1		
11	BEARING	6310Z	8.0.1.01930	1		
12	LUBRICATING POINT	45G.M10x1	8.8.3.00325	2		
13	SEALING RING	101.27x2.62	8.7.6.00974	2		
14	SECURING WASHER	30208 AV	8.3.0.00394	2		
15	WASHER	79.9	0.267.7500.00	1		
16	BEARING	30208	8.0.9.00024	2		
17	SPRING RING	80 UNI7437	8.5.2.00030	2		
18	NUT	M40x1.5	0.278.7103.00	1		
19	OIL SEAL	35x80x10	8.7.3.00081	1		
20	SHAFT	Z10 M3.75	0.792.5203.00	1		
21	STOPPER	3/8"GAS	8.6.6.01266	1		
22	STOPPER	1/2"GAS	8.6.5.00203	1		
23	STOPPER	1/2"GAS	8.6.6.00088	1		
24	OIL SEAL	35x45x7	8.7.3.01239	11		
25	CAM		2.792.7121.00	11		
26	SPACER SLEEVE		0.789.7144.00	11		
27	BOLT	M10x30 8.8	0.792.7002.00	11		
28	SPACER SLEEVE		0.792.7102.00	1		
29	BEARING	6310	8.0.1.00173	1		
30	COVER		0.792.1301.00	2		
31	SHAFT		0.792.3710.00	1		
32	OIL SEAL	50x72x8	8.7.1.01097	1		
33	COVER		0.792.1715.00	1		
34	KEY	B10x8x50	8.4.1.01157	1		
35	DRAIN PLUG	3/8"GAS	8.6.8.01931	1		
36	OIL SEAL	55x72x10	8.7.1.00783	1		
37	GUIDE		0.792.0308.00	1		
38	WASHER	17x22x1.5	8.3.0.01353	1		
39	WASHER	35.2x43.8x1	0.792.7510.00	11		
40	WASHER	40.3x1.0	0.244.7510.00	1		
41	WASHER	2x57.5x0.5	0.177.7505.00	1		

DESIGN MODIFICATIONS

ROTARY WINDROWER RAKES

ZKP 420

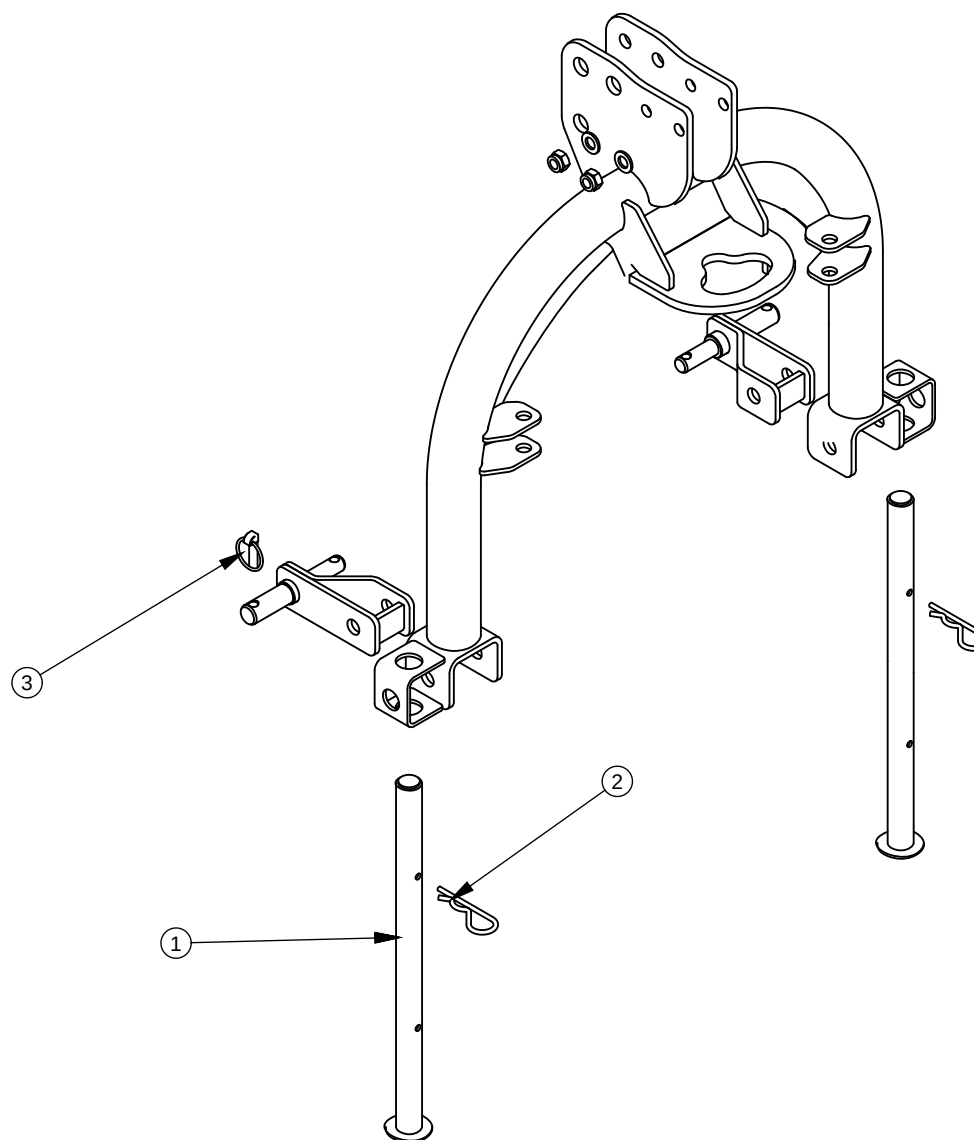
ISSUE 1A-08-2009

PUBLICATION NO 180N-00000000-SP

BEARING FRAME - HITCHING SYSTEM (OBSOLETE VERSION)

ZK01

ZKP 420



BEARING FRAME - HITCHING SYSTEM (OBSOLETE VERSION)

ZK01

ZKP 420



ITEM	PART NAME	TYPE	PART NUMBER (STANDARD NUMBER)	QUANTITY	NOTES	ZK
1	SUPPORT LEG		178N-01050000	1		
2	SPRING COTTER PIN	6x115-A2J	PN-ISO 7072	1		
3	PIN	12x45	PN-ISO 7072	2		

NOTES

In the event it is necessary to replace the HITCH 180N-01040000 item (6) on page 12 of the SPARE PARTS LIST, please also purchase items (28), (29) and (30) – see the drawing BEARING FRAME - HITCHING SYSTEM on page 12 of the SPARE PARTS LIST. Other assembly elements are interchangeable.