Terrain King
1502 E WALNUT ST
SEGUIN TX 78155-5202
800-882-5756

Rev 12-21

Part No. 37002993750P

KSM60 SIDE MOWER

Parts Manual

MEMBER OF THE ALAMO GROUP
ALWAYS ON THE CUTTING EDGE®

¡ATENCIÓN!
LEA EL INSTRUCTIVO

Si No Lee Ingles, Pida Ayuda a Alguien Que Se Lo Lea Para Que le Traduzca Las Medidas de Seguridad

An Operator's Manual was shipped with the equipment in the Manual Canister. This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the unit at all times. READ, UNDERSTAND, and FOLLOW the SAFETY and Operation Instructions contained in this manual before operating the equipment. If the Operator's Manual is not with the equipment, contact your dealer or Terrain King 800-882-5756 to obtain a Free copy before operating the equipment.

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TO THE OWNER/OPERATOR/DEALER

All implements with moving parts are potentially hazardous. There is no substitute for a cautious, safe-minded operator who recognizes the potential hazards and follows reasonable safety practices. The manufacturer has designed this implement to be used with all its safety equipment properly attached to minimize the chance of accidents.

BEFORE YOU START!! Read the safety messages on the implement and shown in your manual.
Observe the rules of safety and common sense!

WARRANTY INFORMATION:

Read and understand the complete Warranty Statement found in this Manual. Fill out the Warranty Registration Form in full and return it within 30 Days. Make certain the Serial Number of the Machine is recorded on the Warranty Card and on the Warranty Form that you retain. The use of "will-fit" parts will void your warranty and can cause catastrophic failure with possible injury or death.

BOLT TORQUE

Mounting procedures for mowers will require a significant amount of bolt nut and washer installation.

Frame and structure mounting bolts should be installed using *Red Loctite*, and torqued to the dry values listed in the torque chart based on the bolt size and hardness.

Other structures such as pump mounting bolts should be installed with *Blue Loctite* and torqued to the dry values indicated in the chart.

Bolt tightness should be completed with and checked with a suitable torque wrench.

Torque checks should be completed throughout the life of the mower in accordance with the maintenance chart provided in this manual.

Loose bolts on a frame or in a casting may be a result of:
- Vibration from the mower due to imbalance of the mower blades
- Pulled threads due to over tightening
- Distortion of the hole due to under tightening during installation

Bolts broken or sheared in the mounting structure or tractor may be the result of:
- Improper alignment of the Mounting Plate or Structure such that it is not sitting flat on the mating surface
- Distortion of the bolt due to over-tightening
- Under tightening of the bolts

Check the bolt torque during installation and prior to delivery with a suitable torque wrench.

Proper Torque Values for Standard Bolts

Bolt Diameter	Head Marking Three Lines Grade Five	Head Marking Six Lines Grade Eight
	Pound - Foot Value Dry	Pound - Foot Value Dry
1/4"	7	10
5/16"	15	22
3/8"	26	39
7/16"	42	60
1/2"	64	88
9/16"	100	134
5/8"	128	180
3/4"	227	320
7/8"	365	515
1"	547	772

To get Newton-Meters multiply pound-foot of torque by 1.356

Proper Torque Values for Metric Bolts

Bolt Diameter	Head Marking 4.6	Head Marking 8.8 or 9.8	Head Marking 10.9	Head Marking 12.9
	Pound - Foot Value Dry	Pound - Foot Value Dry	Pound - Foot Value Dry	Pound - Foot Value Dry
6mm	3	7	9	10
8mm	6.2	16	23	24
10mm	12	32	45	47
12mm	21	55	79	81
14mm	34	88	126	130
16mm	53	137	196	202
18mm	73	189	270	279
20mm	104	267	382	394
22mm	141	364	520	537
24mm	179	461	660	680
27mm	262	676	968	998
30mm	355	917	1312	1353

CHANGE PAGES

The following is a listing of pages that have been changed since the latest publication date for the overall document.

Date of Change	Page Number
04-03-2013	(EXAMPLE ONLY: ECN##### - chg pages 17, 23, 137)
03-17-2014	document release date
07-06-2015	chg pgs 31-64
09-08-2015	chg pg 12
01-13-2016	add pg 16
09-26-2016	chg pg 7
11-15-2016	chg pg 7
07-18-2018	added pg 6
08-14-2018	added pg 35
12-16-2021	added spindle housing and spindle assy NS01123

PARTS ORDERING GUIDE

The following instructions are offered to help eliminate needless delay and error in processing purchase orders for the equipment in this section.

1. The Parts Section is prepared in logical sequence and grouping of parts that belong to the basic machine featured in this manual. Part Numbers and Descriptions are given to help locate the parts and quantities required.

2. The Purchase Order must include the name and address of the person or organization ordering the parts, who should be charged, and if possible, the serial number of the machine for which the parts are ordered.

3. The Purchase Order must clearly list the quantity of each part, the complete and correct part number (be sure to include all periods), and the basic name of the part.

4. The Manufacturer reserves the right to substitute parts where applicable.

5. Some parts are unlisted items which are special production items not normally stocked and are subject to special handling. Request a quotation for such parts before sending a Purchase Order.

6. The Manufacturer reserves the right to change prices without prior notice.

For maximum safety and to guarantee optimum product reliability, always use genuine Terrain King Parts. The use of inferior replacement parts may cause premature or catastrophic failure which could result in serious injury or death. Direct any questions regarding parts to:

TERRAINKING™
Engineering Practical Solutions™

Terrain King
1502 E WALNUT ST
SEGUIN TX 78155-5202
800-882-5756

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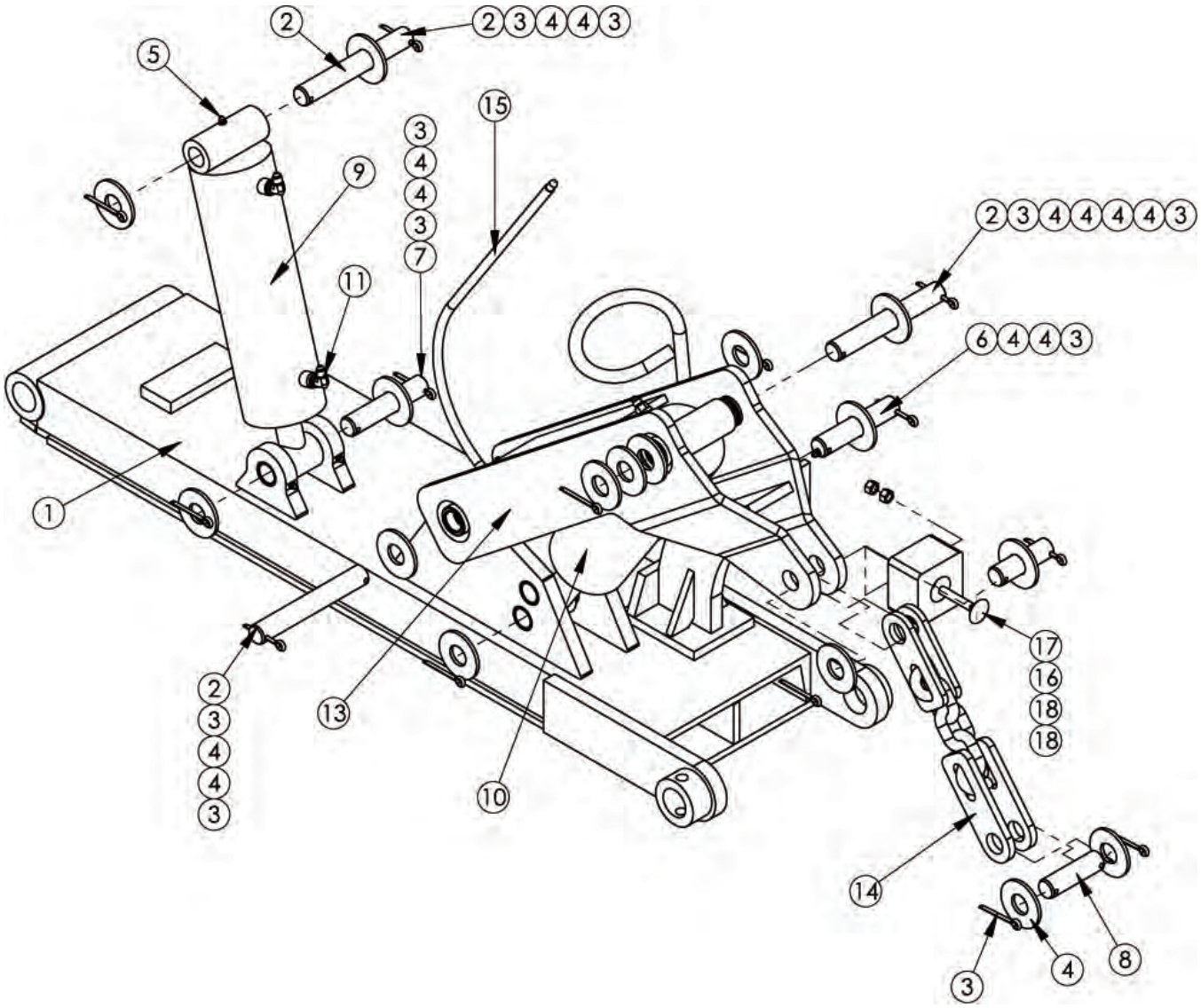
EXTENSION ARM ASSY M5 P/N 30002997430



ITEM	PART NO.	QTY.	DESCRIPTION
1	30002997431	1	WLDMT. EXTENSION ARM
2	30002880800	3	PIN, LINKAGE
3	30000606000	14	PIN,COTTER 3/16X2
4	30002822500	16	FLATWASHER 1 PL STD
5	30000752670	8	FITTING,GREASE-STR 1/4-28 UNF
6	30002963505	1	PIN LINKAGE(GREASABLE)
7	30002930200	1	PIN-LINKAGE
8	30002957535	2	PIN-LINKAGE
9	30002961484A	1	HYD CYL 3-1/2 BORE X 9STROKE
10	30802961483A	1	HYD CYL 3-1/2BORE X6-3/16ST
11	33002960018	3	ADP, HYD, ELBOW, 4MB-4MJ90
12	33002962181	1	ADP HYD STGHT 4MB-4MJ

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EXTENSION ARM ASSY M5 P/N 30002997430

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
13	30002994146	1	WLDMT, LINKAGE, KSM60
14	30002994151	1	WLDMT, CHAIN LINK, KSM60
15	30002957485	1	HOSE#4-4FJX-4MJ - 24" LG
16	34002992195	1	BUMPER, VERSA, BOTTOM
17	30002958114	1	FCEB ELEV 3/8 NC 2-1/2 PL
18	30000013901	2	NUT, HEX 3/8 NC PL
19	30000003500	1	FITTING,GREASE 1/8 MP STRAIGHT
20	30002975255	1	SPACER, EXTENSION ARM

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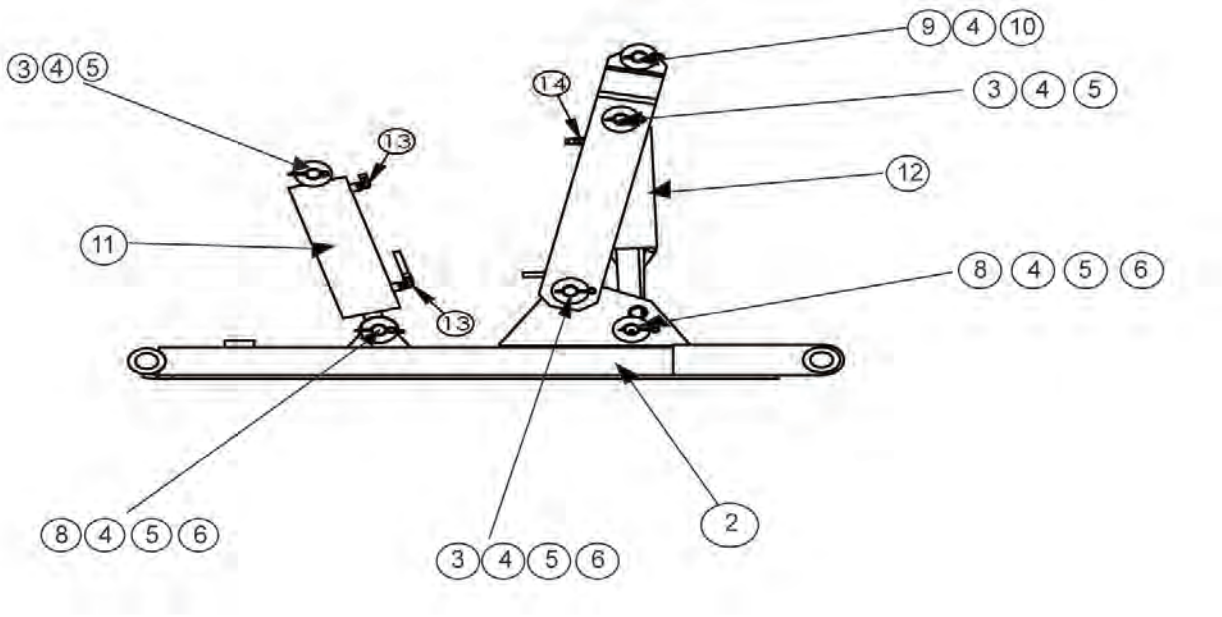
EXTENSION ARM ASSY - P/N 32802964297



ITEM	PART NO.	QTY.	DESCRIPTION
2	30802957497	1	LINKAGE ARM WELDMENT
3	30002880800	3	PIN, LINKAGE
4	30000606000	12	PIN, COTTER 3/16 X 2 PL
5	30002822500	12	FLATWASHER 1" PL
6	30000752670	6	GREASE FITTING 1/4-28 BOLT THD
7	30002963505	1	PIN - LINKAGE (GREASABLE)
8	30002930200	1	PIN, LINKAGE
9	30002957535	1	PIN, LINKAGE
10	33000750731	1	TUBE - SHORT
11	30802961484A	1	HYD CYLINDER 2BORE X 9-1/4 STROKE
12	30802961483A	1	HYD CYL 3-1/2 BORE X 6-3/16ST
13	33002960018	3	ADP, HYD, ELBOW, 4MB-4MJ90
14	33002962181	1	ADP HYD STGHT 4MB-4MJ

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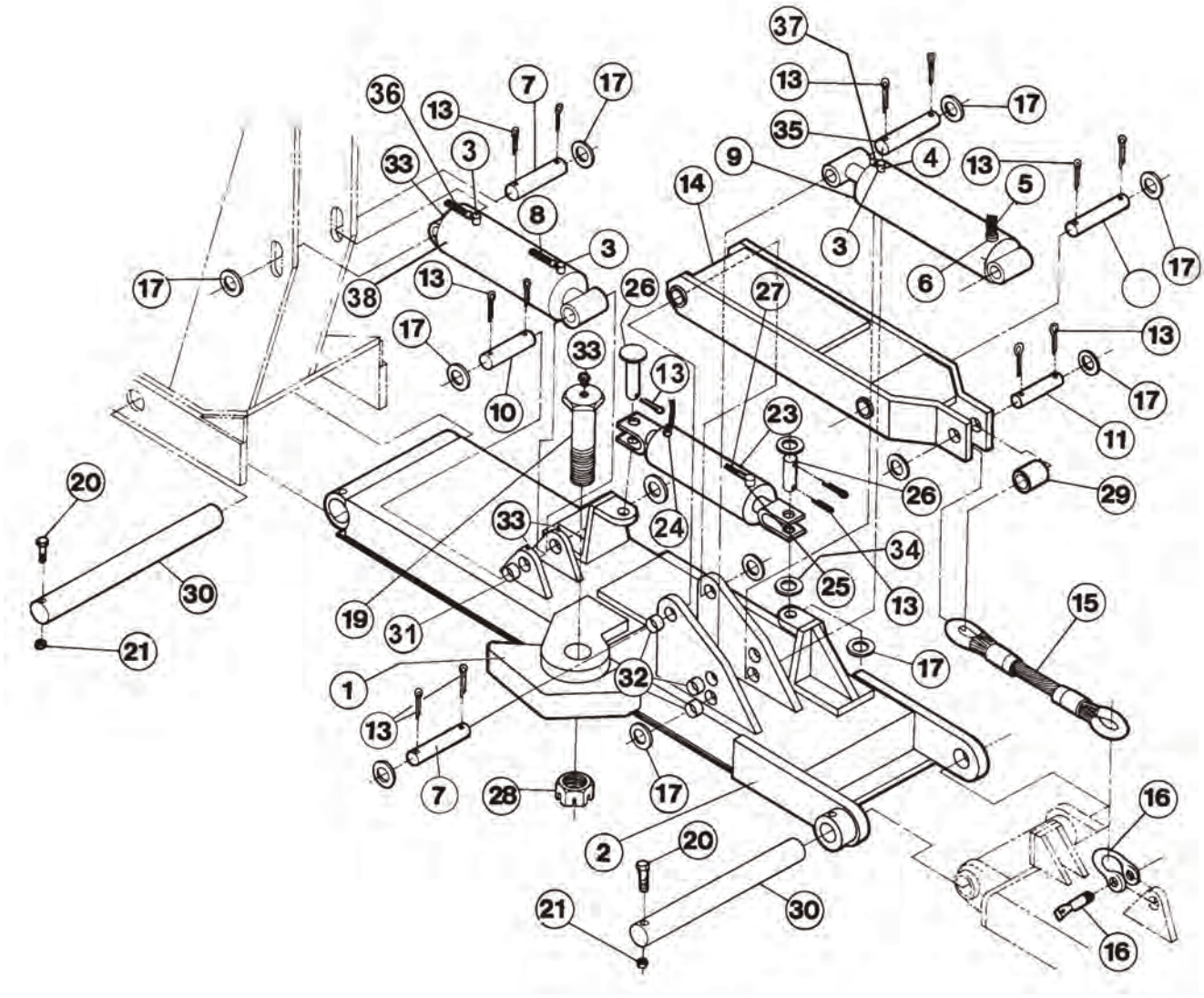
BREAKAWAY EXTENSION ARM ASSEMBLY EXTREME SERVICE P/N 32802965429



ITEM	PART NO.	QTY.	DESCRIPTION
1	30802965427	1	SECTION - BASIC MOUNT ATTACHMENT
2	30802965428	1	SECTION - MOWER HALF
3	33002960018	4	ELBOW
4	33002957485	1	HOSE WITH #4 MJ
5	33002890900	1	HOSE
6	33002962181	1	STRAIGHT ADAPTER
7	30002880800	3	PIN-CYLINDER DEAD END
8	33002961321	1	HOSE
9	30802961483A	1	HYDRAULIC CYLINDER - TILT CYL.
10	30002930200	1	LINKAGE PIN
11	30002957535	1	LINKAGE PIN
13	30000606000	15	COTTER PIN
14	30802957497	1	LINKAGE ARM WELDMENT

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BREAKAWAY EXTENSION ARM ASSEMBLY EXTREME SERVICE P/N 32802965429

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
15	30802880100	1	CABLE ASSEMBLY
16	30802880200	1	SHACKLE W/ SCREW PIN
17	30002822500	14	FLATWASHER
19	30802959437	1	PIN WELDMENT
20	30000016200	2	BOLT
21	30000750940	2	NUT
22	30000003500	1	GREASE ZERK
23	30802964953A	1	BREAKAWAY HYDRAULIC CYLINDER
24	30002960054	1	PIPE PLUG
25	33002823100	2	ELBOW
26	300001750	2	CLEVIS PIN
27	33002961321	1	HOSE
28	3005D20120	1	NUT
29	30000750731	1	BUSHING
30	30002880700	2	PIN, ATTACHMENT
31	30002959925	2	BUSHING
32	30002963467	6	BUSHING
33	30000752670	8	GREASE FITTING
34	30002959180	2	BUSHING
35	30002963505	1	PIN, GREASABLE
36	33002965475	1	HOSE
38	30802961484A	1	LIFT CYL.

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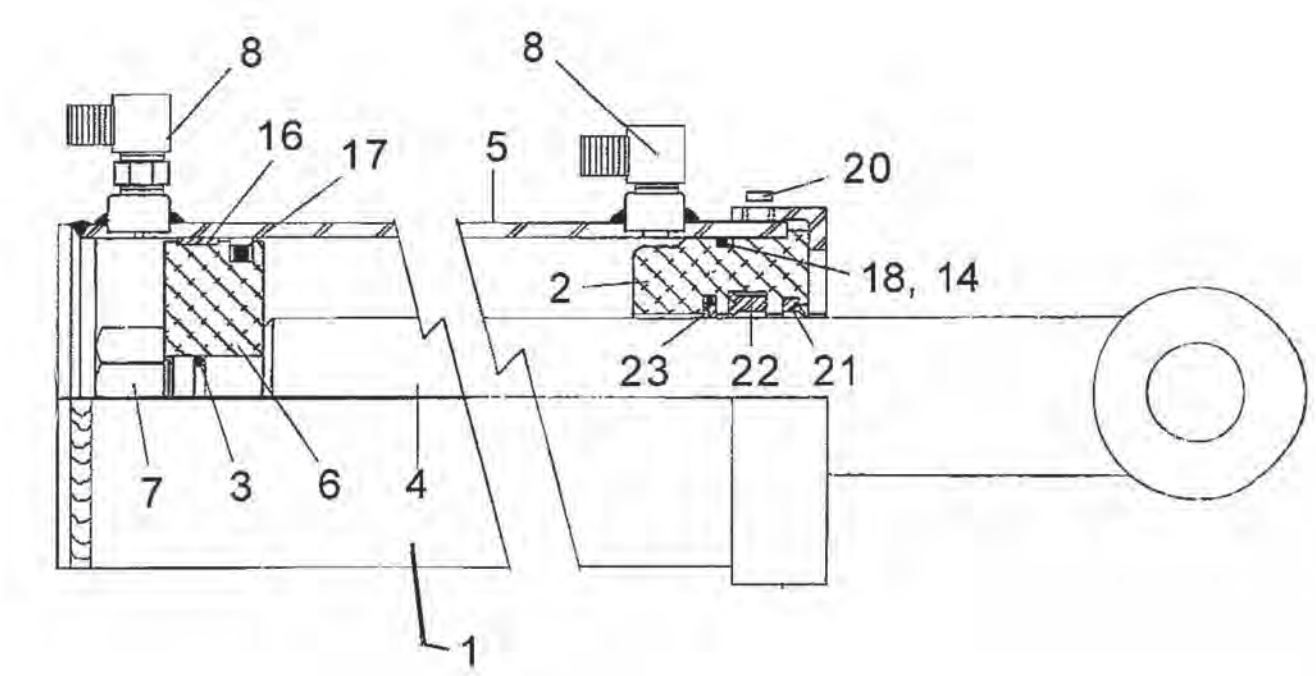
EXTENSION ARM, CYLINDER LIFT ASY P/N 33802961484A



ITEM	PART NO.	QTY.	DESCRIPTION
1	33202961484A	1	HYDRAULIC CYLINDER
2	33002975302	1	GLAND
3	-----	1	* "O" RING
4	33002976239	2	ROD ASY.
5	33002976240	1	BARREL ASY
6	33002975305	1	PISTON
7	3005JRC1691401		LOCKNUT
8	33002960018	2	ELBOW
14	-----	1	*BACK-UP RING (INCLUDED IN SEAL KIT 33002975531)
16	-----	1	*WEAR RING (INCLUDED IN SEAL KIT 33002975531)
17	-----	1	*PISTON SEAL (INCLUDED IN SEAL KIT 33002975531)
18	-----	1	* "O" RING (INCLUDED IN SEAL KIT 33002975531)
21	-----	1	* ROD WIPER * "O" RING (INCLUDED IN SEAL KIT 33002975531)
22	-----	1	*ROD SEAL * "O" RING (INCLUDED IN SEAL KIT 33002975531)
23	-----	1	*BUFFER SEAL * "O" RING (INCLUDED IN SEAL KIT 33002975531)

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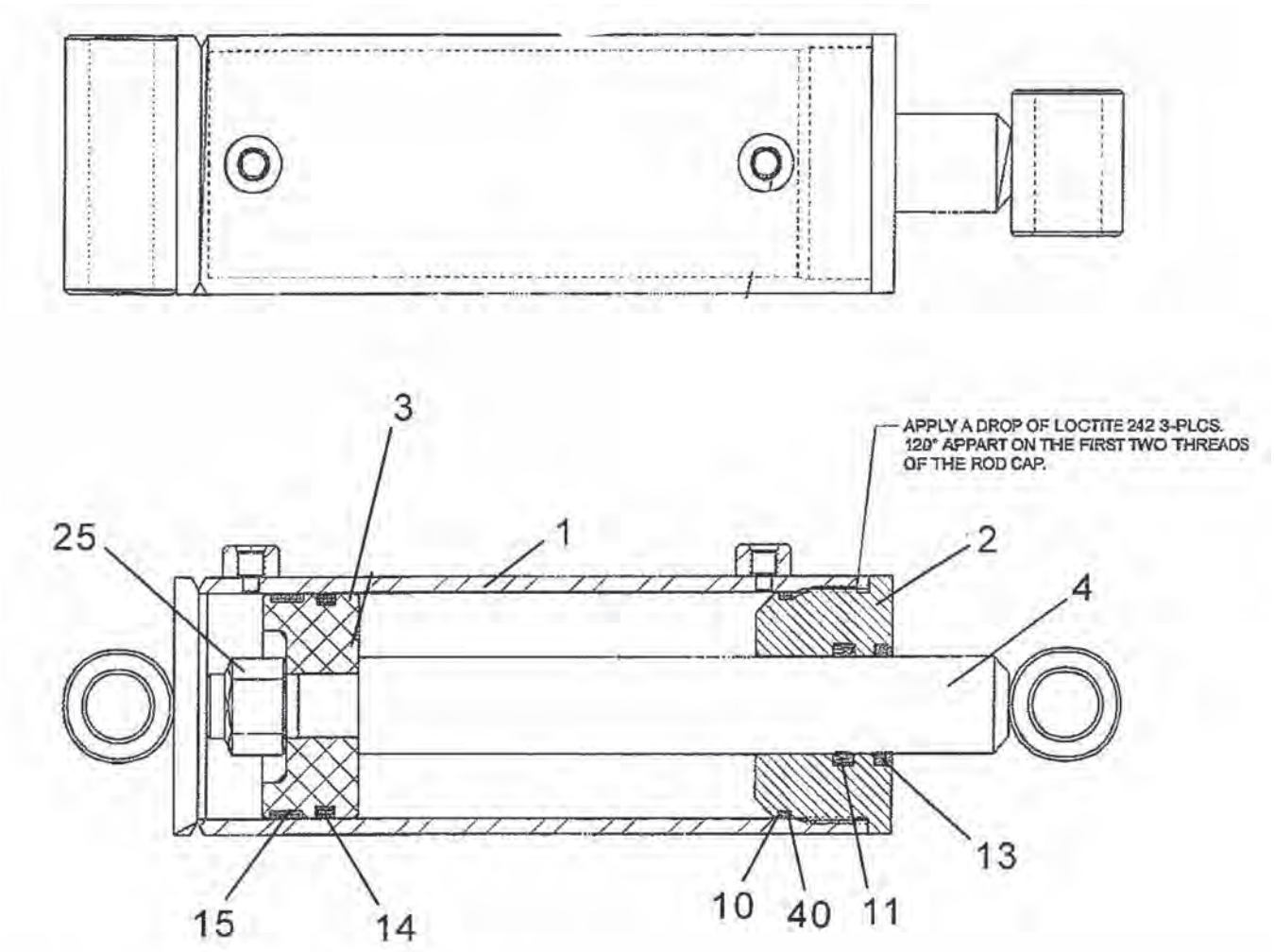
EXTENSION ARM, CYLINDER, TILT ASSY P/N 33802961483A



ITEM	PART NO.	QTY.	DESCRIPTION
-----	33802961483A	-	CYLINDER ASSY
1	33002975303	1	TUBE WLDMNT
2	33002975302	1	CYLINDER HEAD
3	33002975305	1	PISTON
4	33002975304	1	ROD WLDMNT
-----	33002975531	1	SEAL KIT
10	-----	1	*O-RING (INCLUDED IN SEAL KIT 33002975531)
13	-----	1	*ROD WIPER SEAL (INCLUDED IN SEAL KIT 33002975531)
14	-----	1	*PISTON RING SEAL (INCLUDED IN SEAL KIT 33002975531)
15	-----	1	*WEAR RING (INCLUDED IN SEAL KIT 33002975531)
25	3005JRC16140	1	LOCKNUT
40	-----	1	*SEAL (INCLUDED IN SEAL KIT 33002975531)
11	-----	1	*ROD HALLITE SEAL (INCLUDED IN SEAL KIT 33002975531)

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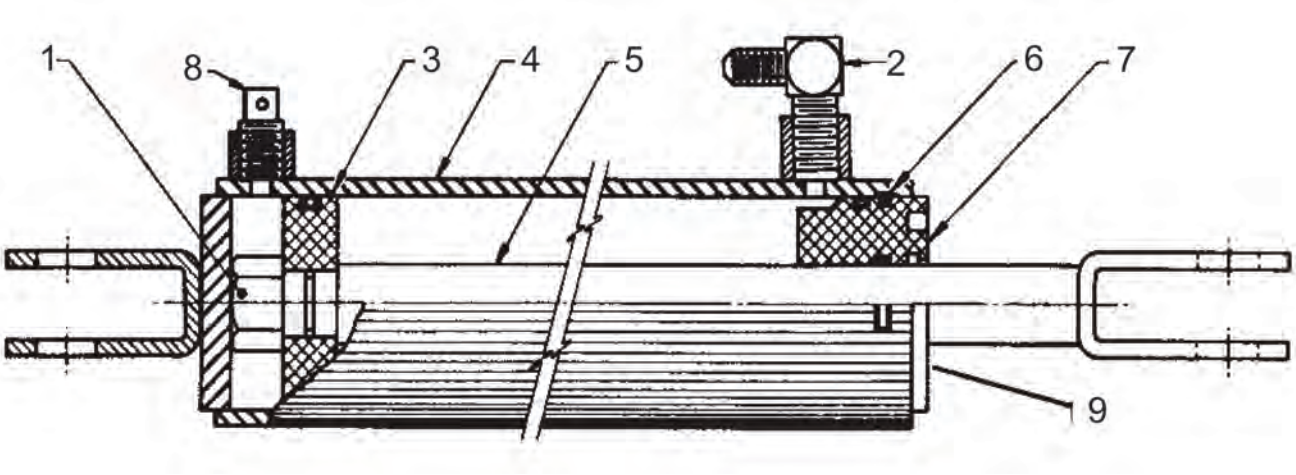
BREAKAWAY CYLINDER ASSEMBLY P/N 33002964953A



ITEM	PART NO.	QTY.	DESCRIPTION
1	3005JRC16140	1	LOCKNUT
2	33002823100	1	ELBOW
3	30802977287	1	PISTON
4	30802977286	1	BARREL ASSEMBLY
5	30802977288	1	ROD ASSEMBLY
7	30000775885	1	GLAND
8	30002960054	1	PLUG
9	30802964953A	1	TILT CYLINDER
-----	33002975530	-	SEAL REPAIR KIT

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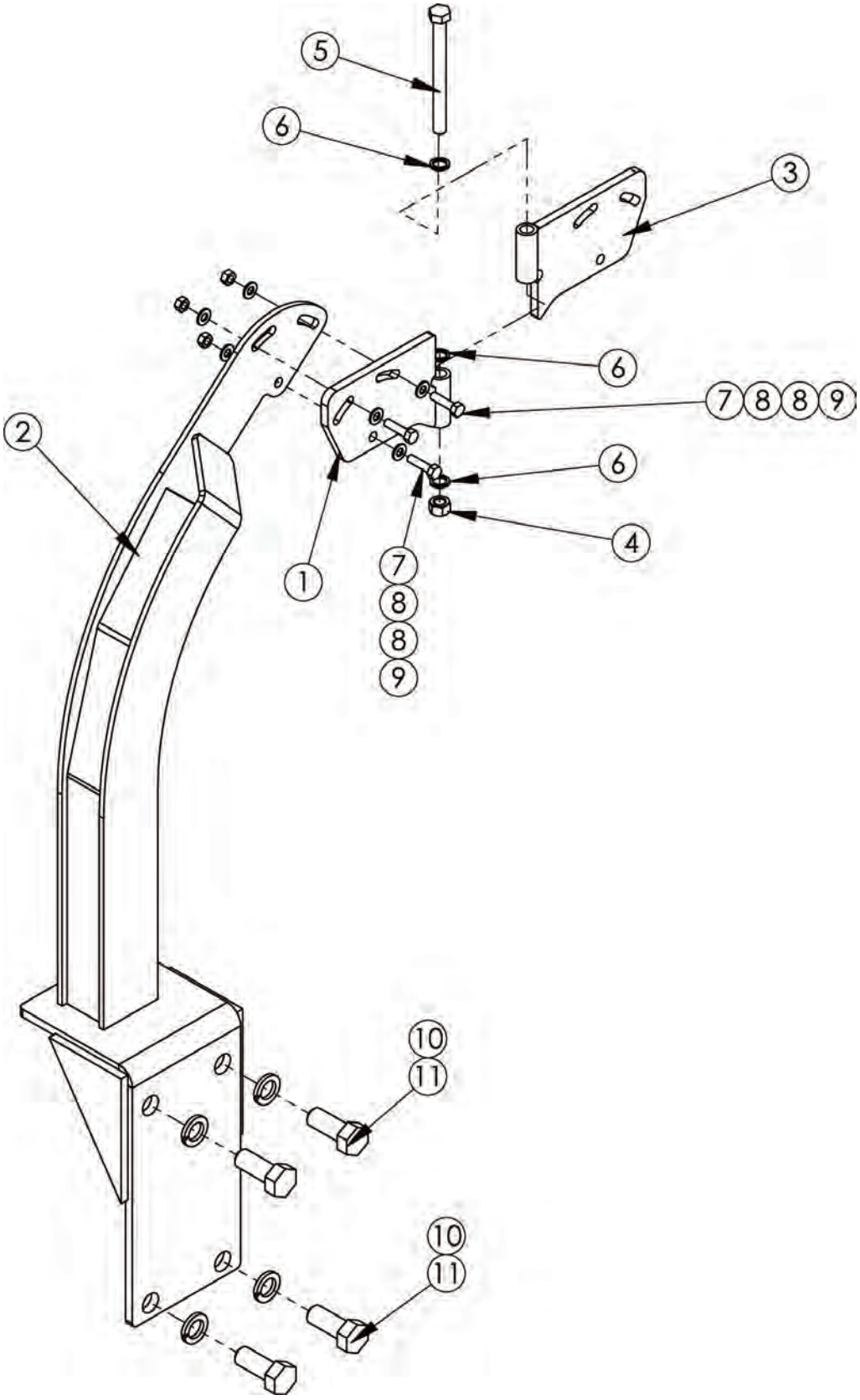
CABLE REMOTE CONTROL ASSEMBLY



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CABLE REMOTE CONTROL ASSEMBLY

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ITEM	PART NO.	QTY.	DESCRIPTION
1	30802995227	1	WLDMT. CABLE MOUNT REMOTE
2	30802995225	1	WLDMT. CONTROL STAND ROPS
3	32802986633	1	WLDMNT, CABLE REMOTE MOUNT
4	30002986646	1	NUT HEX 1/2 NC
5	30002986645	1	HHCS 1/2 NC 5-1/2 GR8
6	30002986647	3	WASHER, 1/2 NORD-LOCK SET "
7	30010121000	3	HHCS 5/16 - 18 X 1 1/4 GR5
8	30000023500	6	FLATWASHER 5/16 PL
9	30000750940	3	LOCKNUT TLM 5/16 NC PLB
10	30002971158	4	LOCKWASHER, 20MM
11	30002984785	4	HHCS M20-P1.5 - 50MM PL10.9

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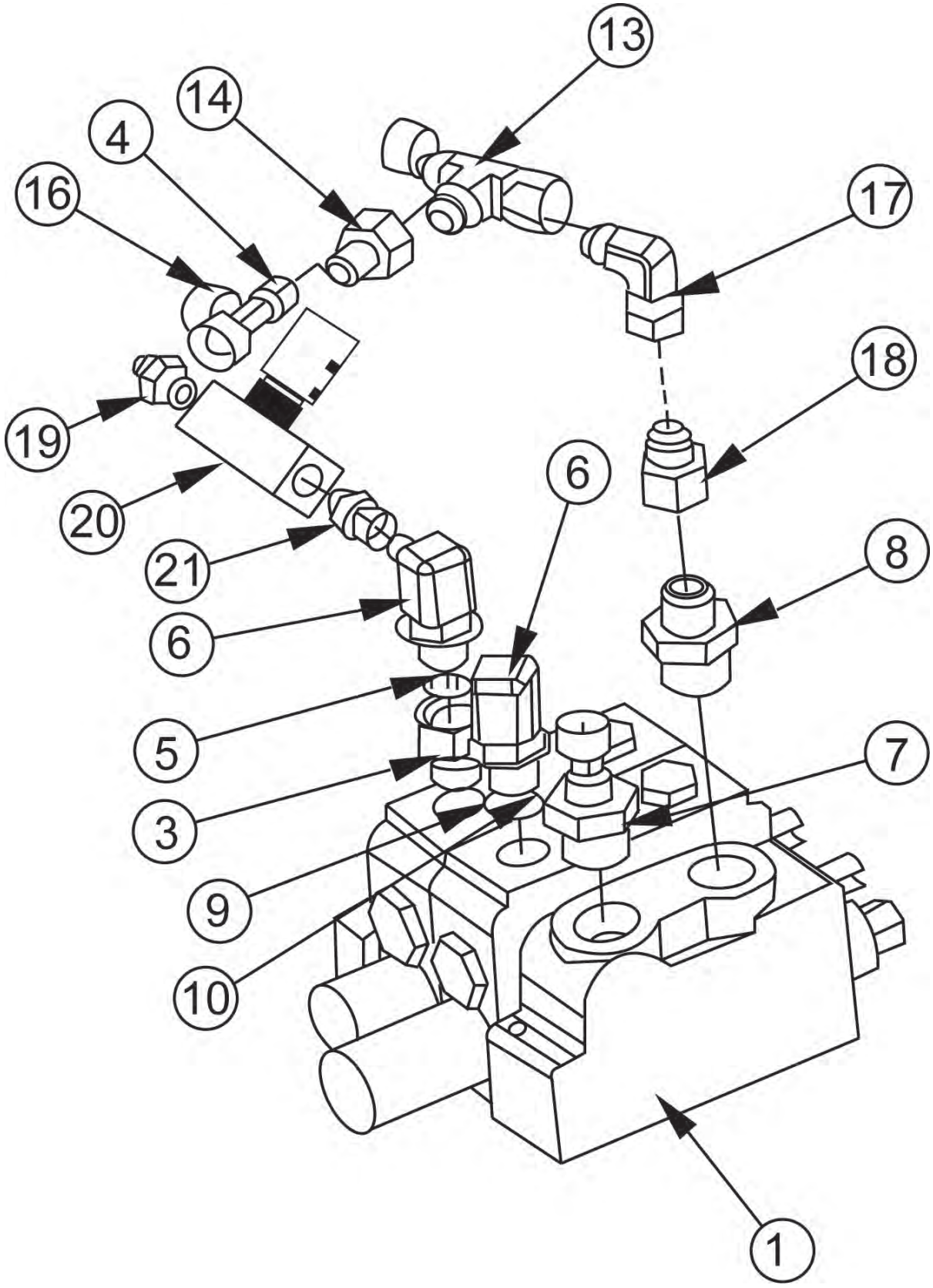
CONTROL VALVE - 2 SPOOL



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ITEM	PART NO.	QTY.	DESCRIPTION
1	33002980906	1	VALVE DIR CTRL 2-SPOOL
2	30003200587	2	PLUG - HEX HD #8MB
3	33002972159	1	ADP HYD STGHT 8FB - 8MB
4	33002970702	1	ADP HYD TEE 4MJ-4MJ-4FJX
5	33002969398	1	ORIFICE, .055 ONE-WAY RESTRCTR
6	33002962249	2	ADP HYD ELBOW 8MB-4MJ90
7	33063042700	1	ADP HYD STGHT 12MB-8MJ
8	33002981437	1	ADP, HYD, 12MB - 10MJ ST
9	30002968831	1	VINYL TAPE BLUE 1/4" WIDE
10	30002968833	1	VINYL TAPE GREEN 1/4" WIDE
11	30002968828	1	VINYL TAPE RED 1/2" WIDE
12	30002968834	1	VINYL TAPE ORANGE 1/2" WIDE
13	33002967150	1	ADP HYD TEE 8MJ-8FJX-8MJ
14	33002967151	1	ADP HYD STGHT 4MJ-8FJ
15	30002968832	1	VINYL TAPE GREEN 1/2" WIDE
16	30002968830	1	VINYL TAPE BLUE 1/2" WIDE
17	33002761100	1	ADP HYD ELBOW 8MJ-8FJX90
18	33002961851	1	ADP HYD STGHT 8MJ-10FJ
19	33003200284	1	ADP HYD STGHT 6MB - 4MJ
20	33002992051	1	ADJ FLOW CONTROL VALVE ONE-WAY
21	33002987298	1	ADP, HYD 6MB - 4FJX STRGHT

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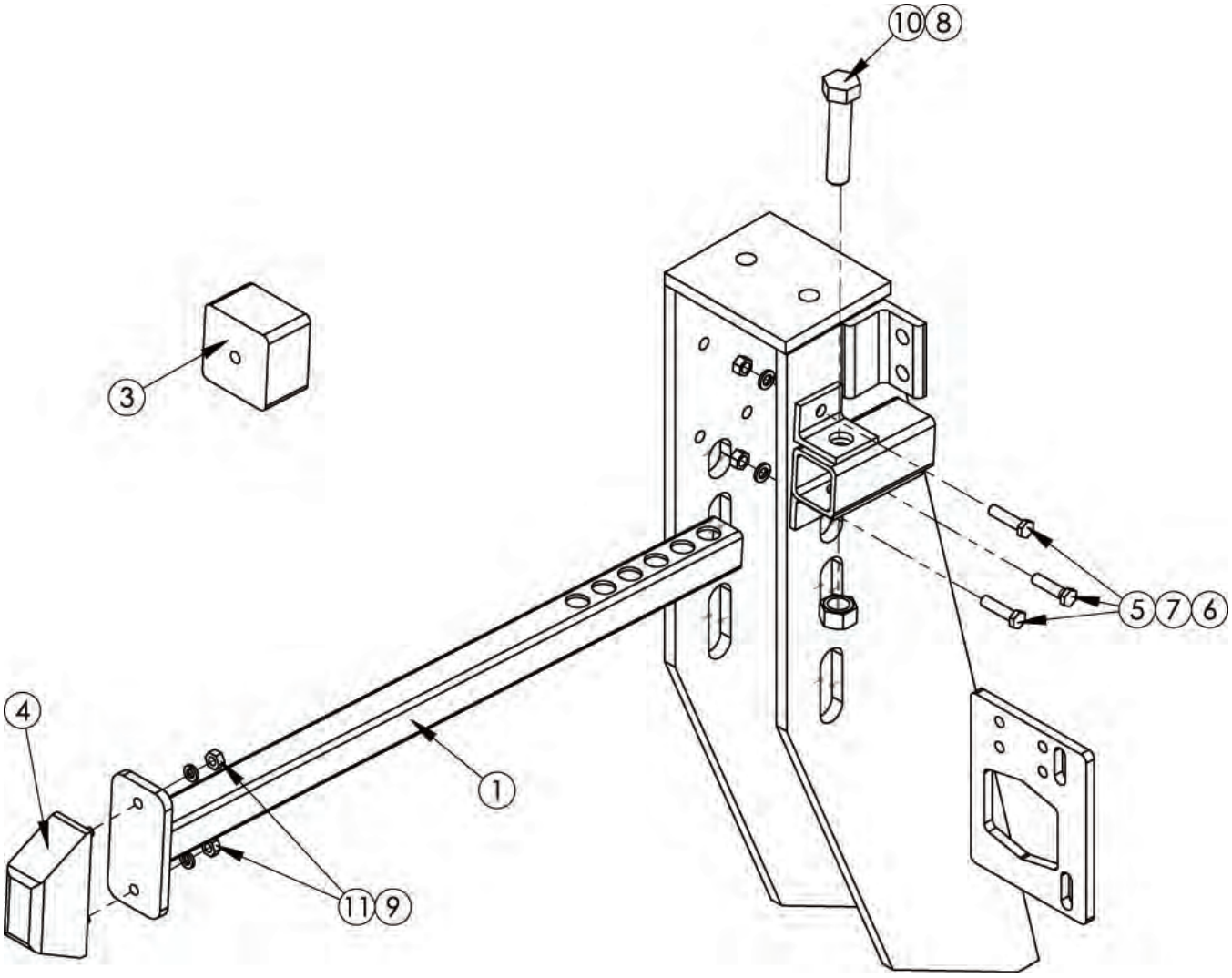
BUMPER KIT - PN 30002992193



ITEM	PART NO.	QTY.	DESCRIPTION
1	30802992196	1	WLDMT, KSM, TOP BUMPER
2	30802992197	1	WLDMT, BUMP SLV, TOP, KSM
3	30002992195	1	BUMPER, BOTTOM, KSM60
4	30000776591	1	BUMPER, WING RUBBER
5	30000023100	3	HHCS 3/8 -16UNC 1-1/2 PL5
6	30000013901	3	NUT, HEX 3/8 NC PL
7	30003101646	3	HIGH ALLOY, L/W 3/8 YZ
8	30000037200	1	NUT,HEX TOPLOCK 3/4 NC GR.C PL
9	30000011700	2	HIGH ALLOY, L/W 5/16 YZ KG
10	30000751581	1	HHCS 3/4 NC 3-1/2 PL8
11	30000755934	2	NUT MET 8MM-P1.25

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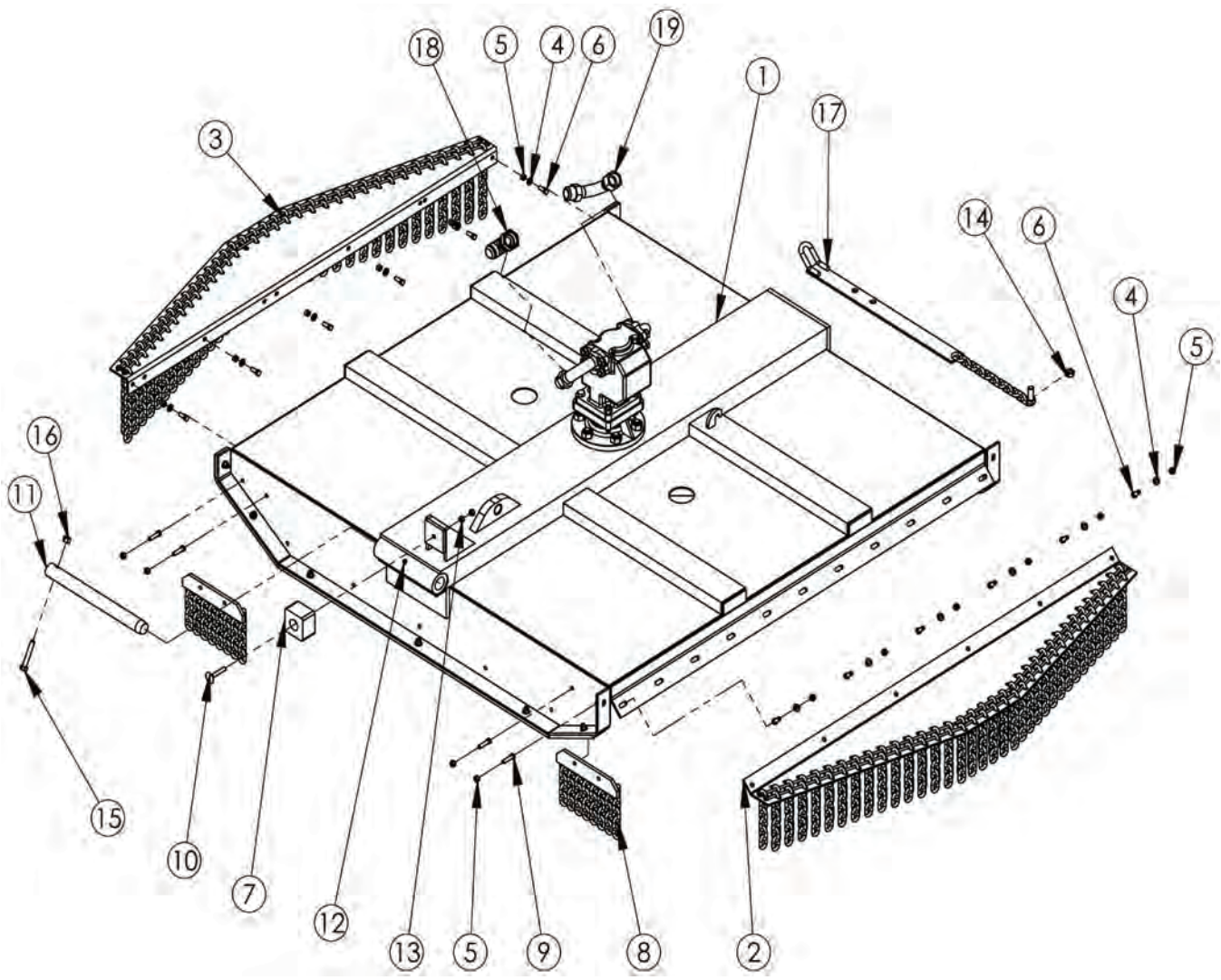
KSM60 MOWER HEAD - 5 FT BAR (34002964876)



ITEM	PART NO.	QTY.	DESCRIPTION
-----	34802964876	1	KSM60 HEAD, ASY 5 BAR CGS
1	34802961819	1	KSM60 - SUB-ASSY BAR
2	34802962310	1	ASY CG 5 DUAL REAR KSM
3	34802962309	1	ASY CG DUAL 5 FRONT KSM
4	30000011100	12	FLATWASHER STD 3/8 - PLATED
5	30000015800	18	LOCKNUT TLM 3/8-NC PLC
6	30000011400	12	HEXB 3/8-16 X 1 PL5
7	34002992195	1	BUMPER, BOTTOM
8	34802964697	3	WLDMNT - CHAINGUARD - CORNER
9	30000023100	6	HHCS 3/8 - 16UNC 1-1/2 PL5
10	30002958114	1	FCEB ELEV 3/8 NC 2-1/2 PL
11	30002880700	1	PIN-EXTENSION ARM
12	33000003500	1	FITTING, GREASE 1/8 MP STRAIGHT
13	30000013901	2	NUT HEX 3/8 NC PL

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
14	30000695100	1	NUT, TOPLOCK 5/8 NC PLC
15	30000753013	1	HHCS 1/2 NC 3 PL8
16	30000001800	1	LOCKNUT TLM 1/2 NC PLC
17	34802960235	1	WLDMNT, HEAD RETAINER
18	33002960407	1	ADP HYD ELBOW 20MJ-20FJX 90
19	33002960409	1	ADP TUBE ELBOW 20MJ-20FJX 90

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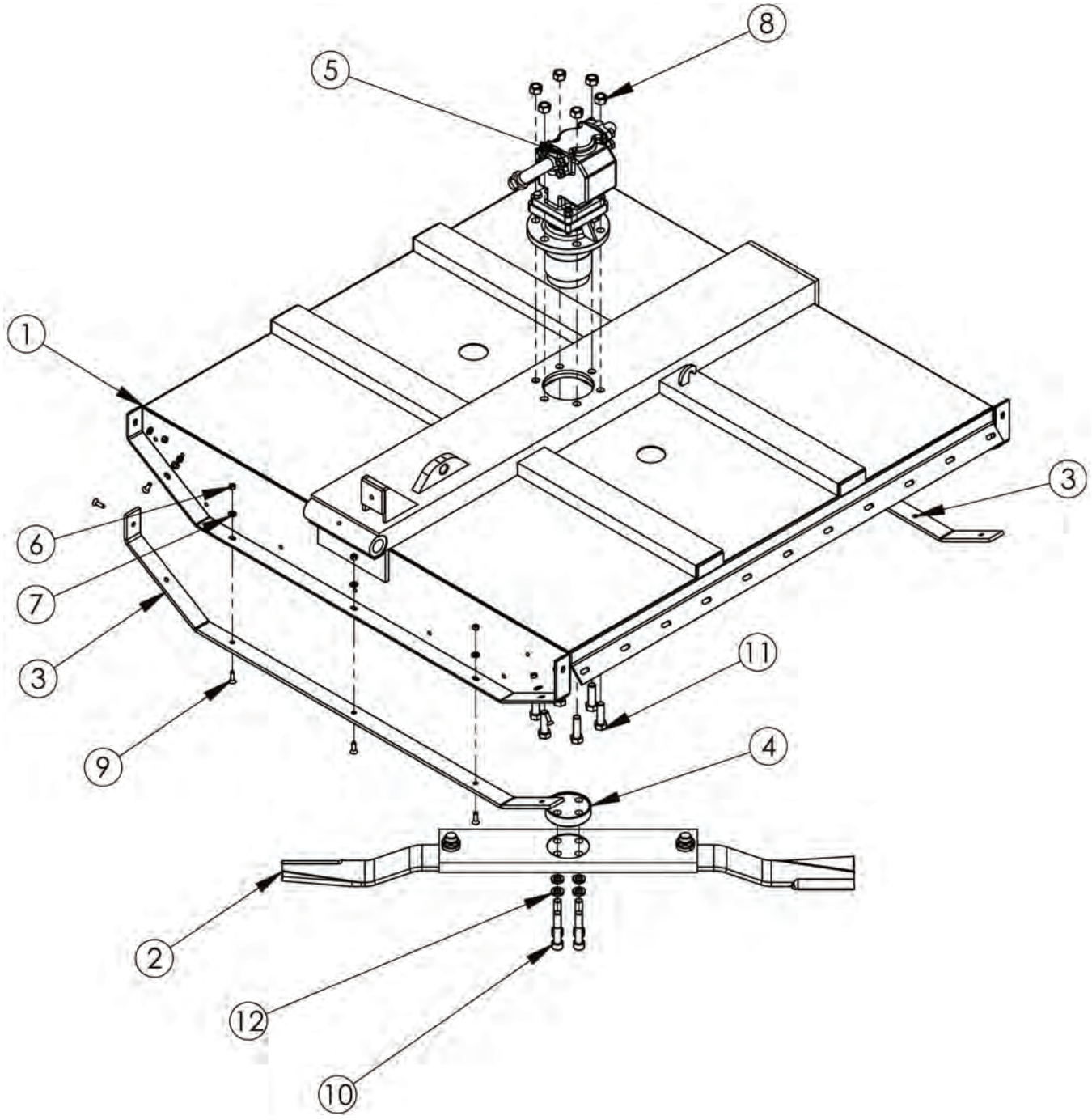
KSM60 MOWER HEAD SUB ASSY - 5FT BAR (34802961819)



ITEM	PART NO.	QTY.	DESCRIPTION
	34802961819	1	KSM-60 SUB-ASSY BAR
1	34802884100	1	WLDMNT, MOWER
2	34102954200	1	BLADE CARRIER, ASY, BAR STRT
3	34802885600	2	SKID SHOE
4	34102959401	1	SPACER, 1-1/4 BLADE BAR
5	33002969860	1	ASY, MOTOR & SPINDLE, KSM60

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
6	30000015800	12	LOCKNUT TLM 3/8-NC PLC
7	30000011100	12	FLATWASHER STD 3/8 PLATED
8	30000037200	6	NUT, HEX TOPLOCK 3/4 NC GRC PL
9	30000059700	12	FSCS 3/8 NC 1 -1/4
10	30002782000	4	SHCS 3/4 NC 3-3/4 PL8
11	30002963646	6	HHCS 3/4 NC 2-1/2 PL8
12	30000003901	12	LOCKWASHER, 3/4, HVY, PL

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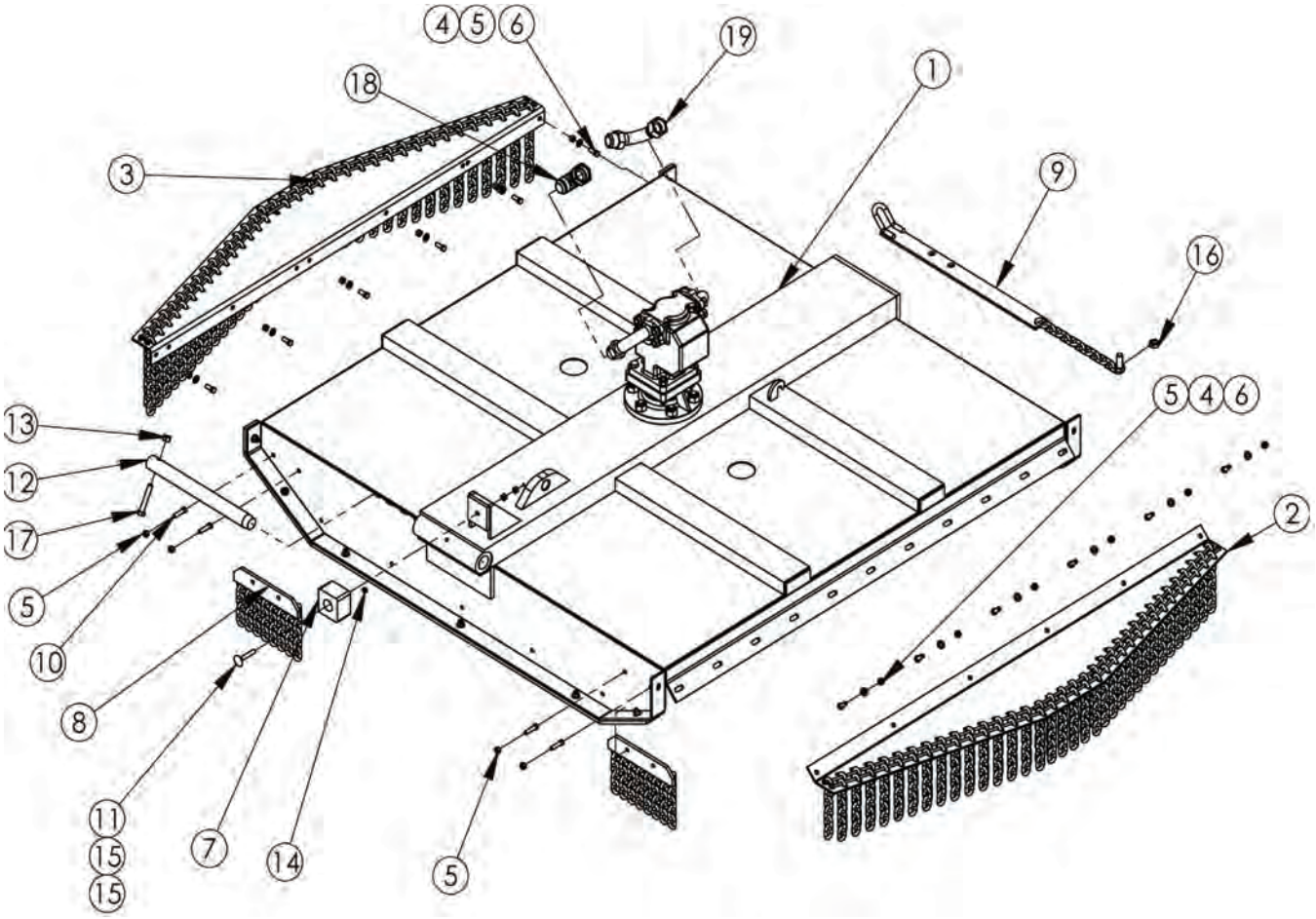
KSM60 MOWER HEAD ASSY - 5FT PAN (34802964878)



ITEM	PART NO.	QTY.	DESCRIPTION
0	34802964878	1	HEAD ASY, 5 PAN CGS
1	34802963684	1	KSM60 SUBG ASSY PAN
2	34802962310	1	ASY CG 5 DUAL REAR KSM60
3	34802962309	1	ASY CG DUAL 5 FRONT KSM60
4	30000011100	12	FLATWASHER STD 3/8 - PLATED
5	30000015800	18	LOCKNUT TLM 3/8 - NC PLC
6	30000011400	12	HEXB 3/8 16 X 1 PL5
7	34002992195	1	BUMPER, BOTTOM
8	34802964697	3	WLDMT-CHAINGUARD-CORNER
9	34802960235	1	WLDMT-HEAD RETAINER
10	30000023100	6	HHCS 3/8 - 16UNC 1-1/2 PL5
11	30002958114	1	FCEB ELEV 3/8 NC 2-1/2 PL
12	30002880700	1	PIN-EXTENSION ARM
13	30000001800	1	LOCKNUT TLM 1/2 NC PLC
14	30000003500	1	FITTING, GREASE 1/8 MP STRAIGHT
15	30000013901	2	NUT HEX 3/8 NC PL
16	30000695100	1	NUT, TOPLOCK 5/8 NC PLC

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
17	30000753013	1	HHCS 1/2NC 3 PL8
18	33002960407	1	ADP HYD ELBO 20MJ - 20FJX 90
19	33002960409	1	ADP TUBE ELBOW 20MJ-20FJX 90

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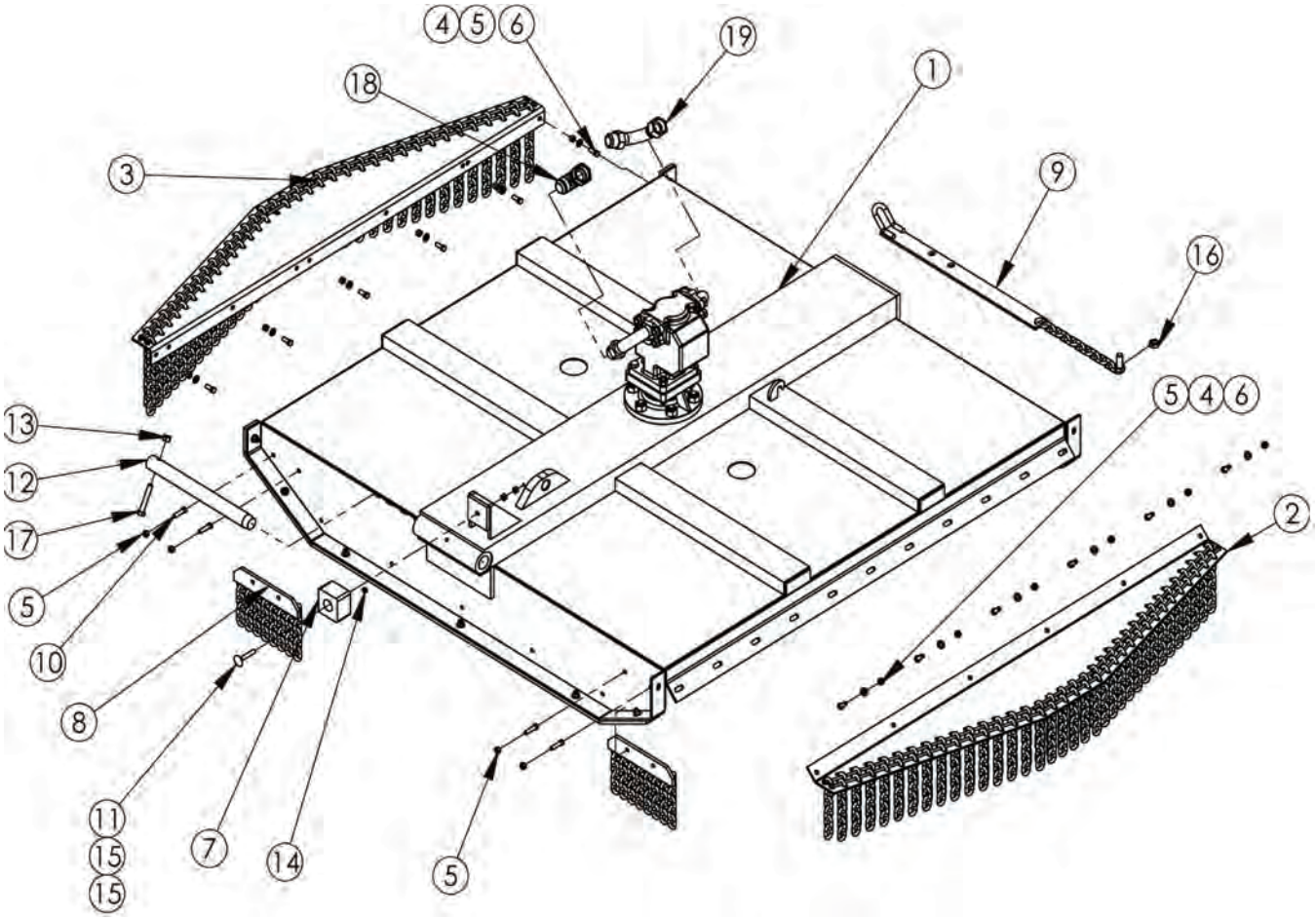
KSM60 MOWER HEAD SUB ASSY - 5 FT PAN (34802963684)



ITEM	PART NO.	QTY.	DESCRIPTION
0	34802963684	1	KSM60 SUB ASSY PAN
1	34802884100	1	WLDMNT, MOWER
2	34102964456	1	PAN ASSEMBLY, 60"
3	34802885600	2	SKID SHOE
4	33802969860	1	ASY, MOTOR & SPINDLE KSM60
5	30000003901	4	LOCKWASHER, 3/4 HVY PL
6	30000015800	12	LOCKNUT TLM, 3/8-NC PLC
7	30000011100	12	FLATWASHER STD 3/8 - PLATED
8	30000037200	6	NUT, HEX TOPLOCK 3/4 NC GR PL
9	30000059700	12	FSCS 3/8 NC 1-1/4
10	30002886600	4	SHCS 3/4 NC 2-1/2 PL8
11	30002963646	6	HHCS 3/4 NC 2-1/2 PL8

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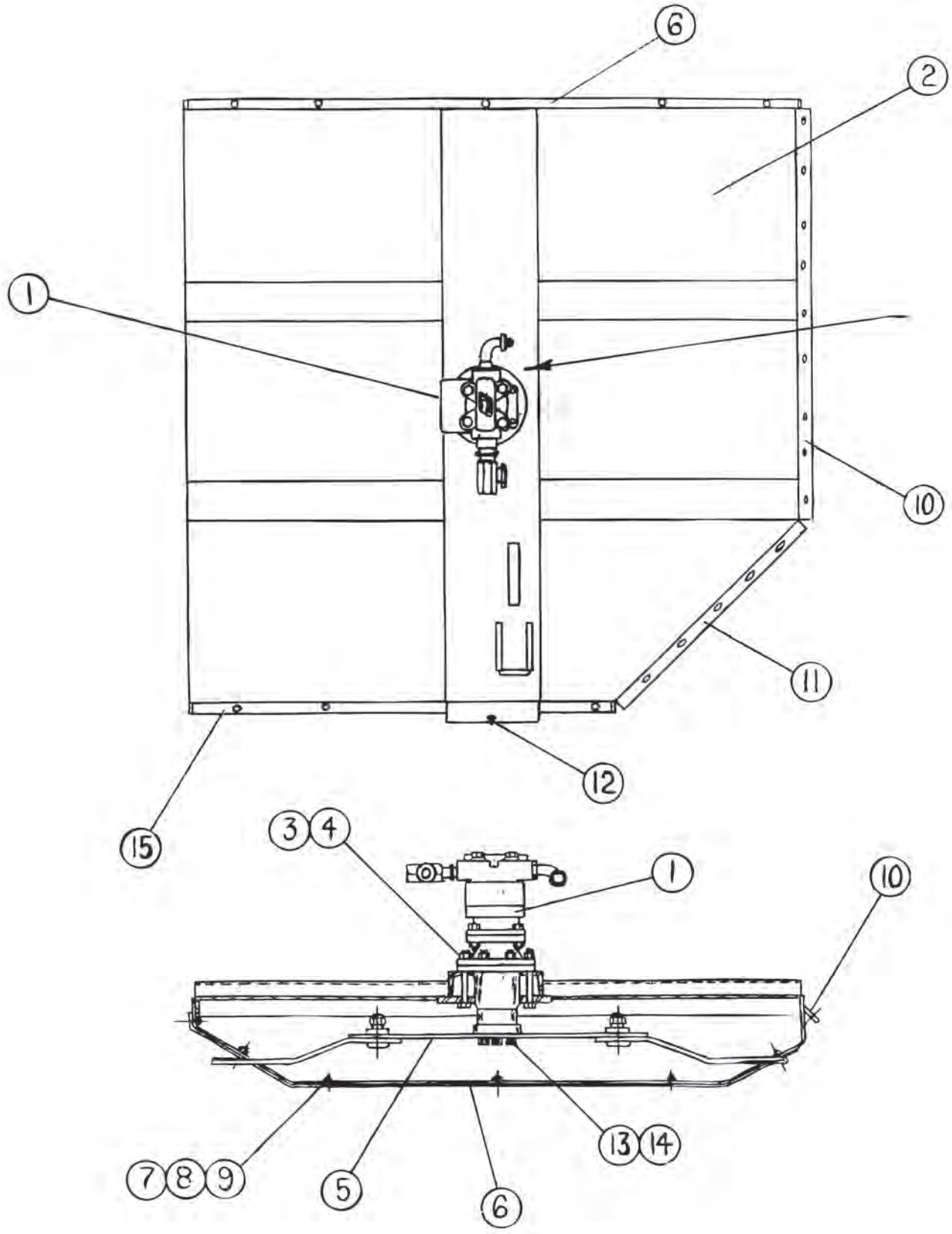
KSM60 BREAKAWAY PRE-PAINT ASSEMBLY P/N 34802962455



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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
0	34802962455	1	KSM60 BREAKAWAY PREPAINT ASSY
1	34802969860	1	MOTOR & SPINDLE ASSY
2	34802959630	1	MOWER WELDMENT
3	30002963646	6	BOLT 3/4
4	30000037200	6	LOCKNUT 3/4
5	34802954200	1	BLADE BAR ASSY
6	34802885600	1	SKID SHOE
7	30000059700	12	CAP SCREW 3/8
8	30063065400	12	FLATWASHER 3/8
9	30000015800	12	LOCKNUT 3/8
10	34802959631	1	REAR FLAP MOUNT
11	34802959632	1	CLAMP BAR (SHORT)
12	30000003500	1	ZERK FITTING
13	30000003901	4	LOCKWASHER 3/4
14	30002782000	4	CAP SCREW
15	34802959630	1	SKID SHOE

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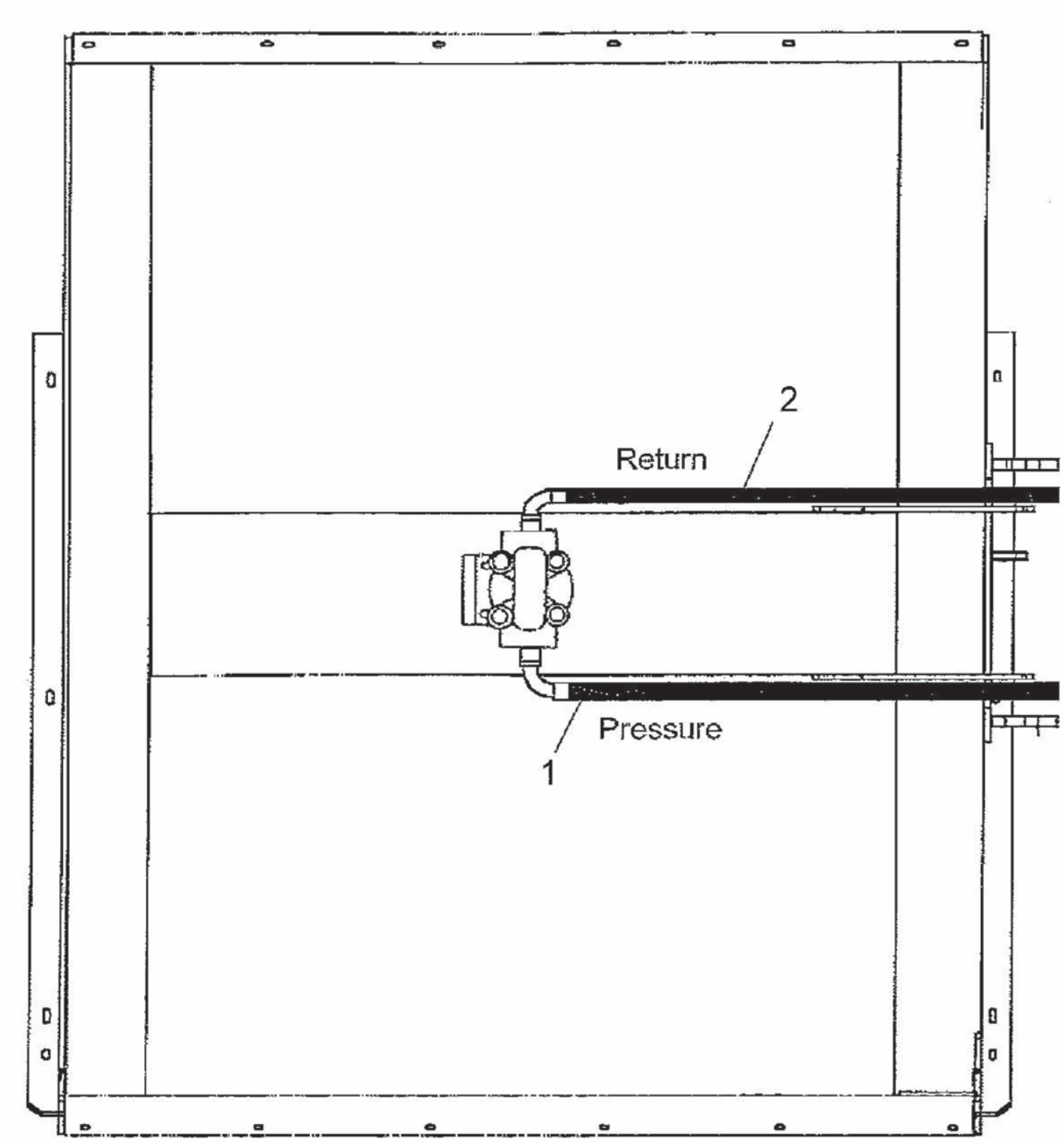
KSM60 RETURN/PRESSURE HOSE



ITEM	PART NO.	QTY.	DESCRIPTION
1	33002961287	1	HOSE
2	33002992258	1	HOSE

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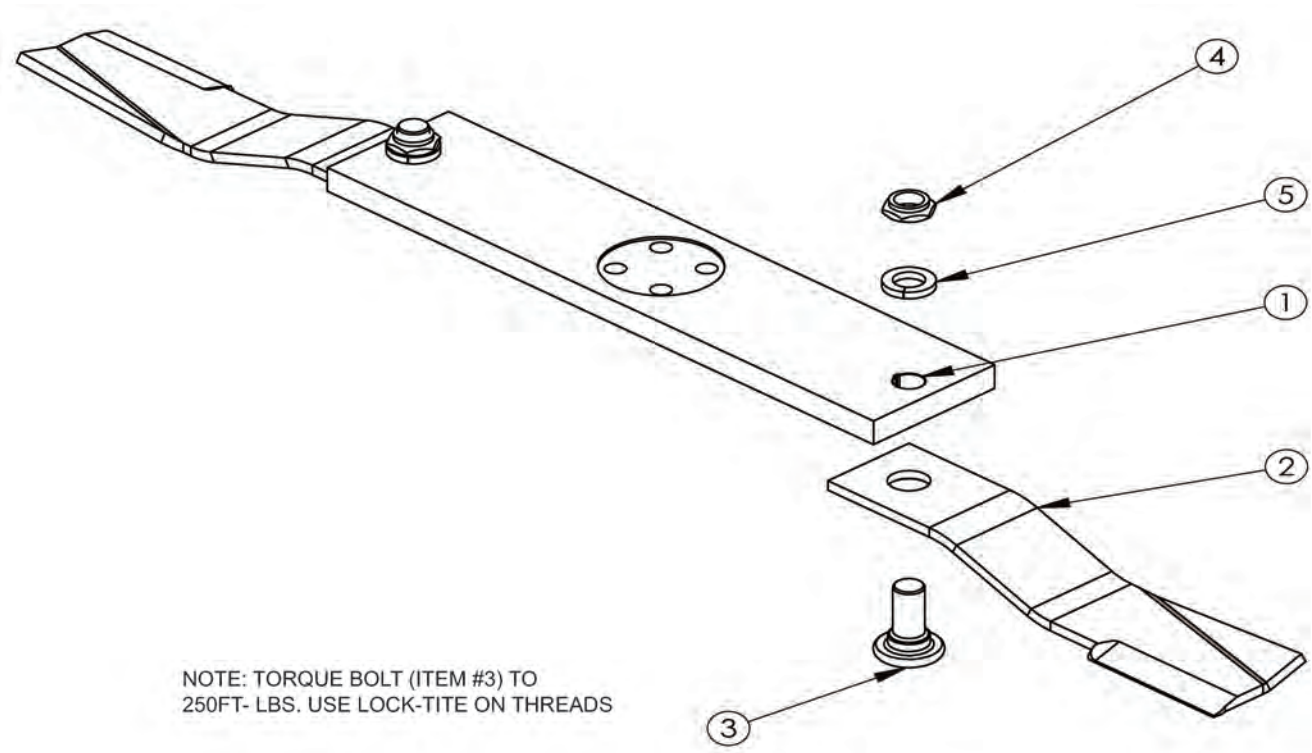
60 INCH BLADE BAR ASSY P/N 34102954200



DANGER:

Blades should always be replaced in sets Blades of different weights can cause serious imbalance and damage to the machine and personnel When replacing blades, **BLADE BOLTS, BUSHINGS, NUTS, AND WASHERS MUST BE CHANGED**

ITEM	PART NO.	QTY.	DESCRIPTION
----	34102954200	1	BLADE BAR CARRIER ASY. 60"
1	34100754093	1	BLADE BAR, 60"
2	34102977557	2	BLADES, MATCHED SET (2)
3	30000752827	2	BOLT BLADE
4	30000747900	2	NUT
5	30000748000	2	LOCKWASHER

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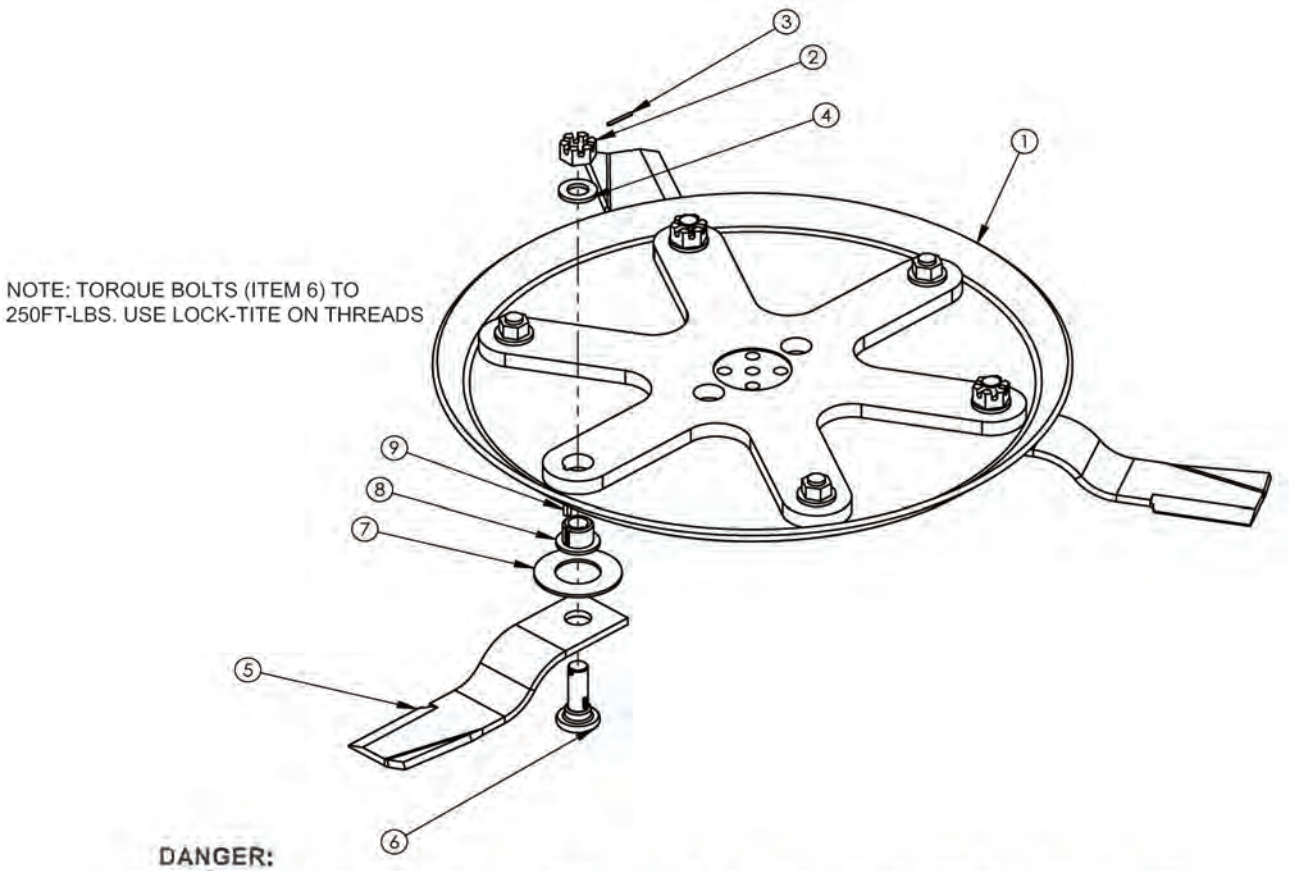
KSM60 - PAN ASSY - STUMP JUMPER



DANGER:

Blades should always be replaced in sets Blades of different weights can cause serious imbalance and damage to the machine and personnel When replacing blades, **BLADE BOLTS, BUSHINGS, NUTS, AND WASHERS MUST BE CHANGED**

ITEM	PART NO.	QTY.	DESCRIPTION
0	34802964456	1	STUMP JUMPER PAN ASY 60"
1	34802964804	1	STUMP JUMPER PAN WLDMNT 60"
2	30000020900	3	NUT SLOTTED, HVY 1-1/18NF PL GR5
3	30000023200	3	PIN, ROLL, 3/16 X 1-3/4
4	30000755623	3	WASHER, 2/200 OD1.218 1DX.250
5	34002975903	1	BLADE SET (3 CW FAN)
6	30002964330	3	BLADE BOLT
7	30002965229	3	WASHER 2-19/32 IG 5.0 OD 3/16
8	30002964815	3	BUSHING - BLADE BOLT KSM60
9	30002964954	3	KEY, 5/16 SQ X 15/16 LONG

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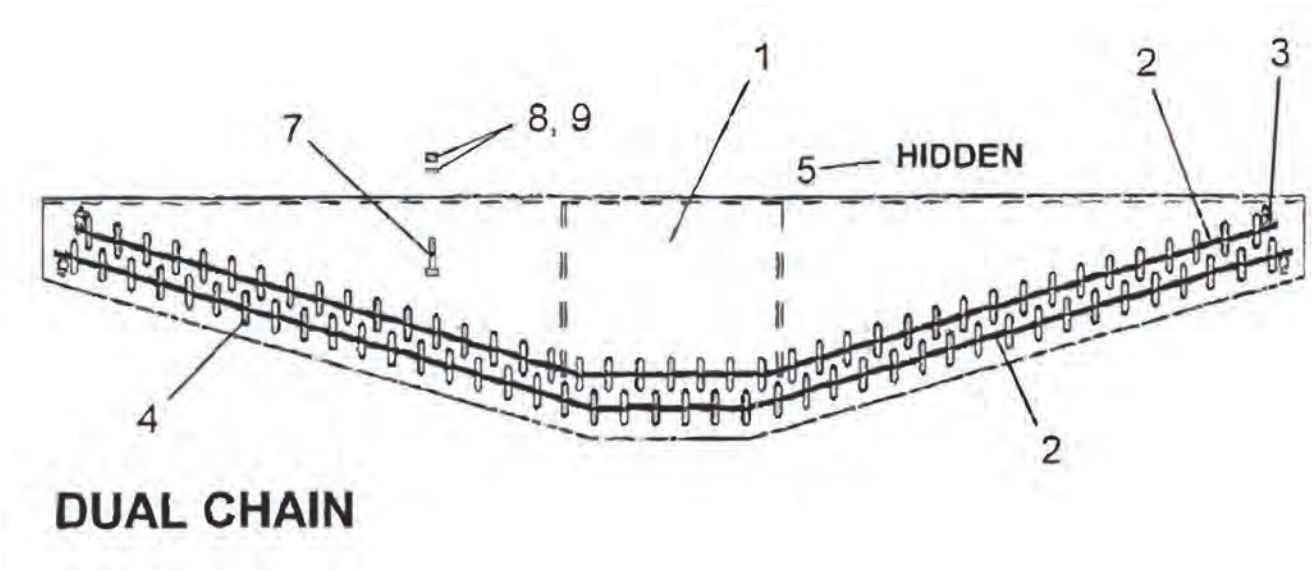
CHAIN GUARD FRONT & REAR - DOUBLE



DUAL CHAIN

ITEM	PART NO.	QTY.	DESCRIPTION
-----	34802962309	-	FRONT, DBL CHAIN GUARD ASY 60"
	34802962310	-	REAR, DBL CHAIN GUARD ASY, 60"
1	34802962307	1	FRONT DBL CHAIN GUARD BRKT WLDMT 60"
----	34802962308	1	REAR DBL CHAIN GUARD BRKT, 60"
2	34800750203	2	CABLE
3	34800001000	4	CABLE CLAMP
4	34800223900	71	CHAIN (8 LINK) 60"
-----	34800751127	71	CHAIN 5/16 WLD 8 LINK ZINC PL
5	30000326700	4	CLIP (NOT SHOWN)
7	30000023100	-	BOLT
8	30000011100	-	FLATWASHER
9	30000015800	-	LOCKNUT

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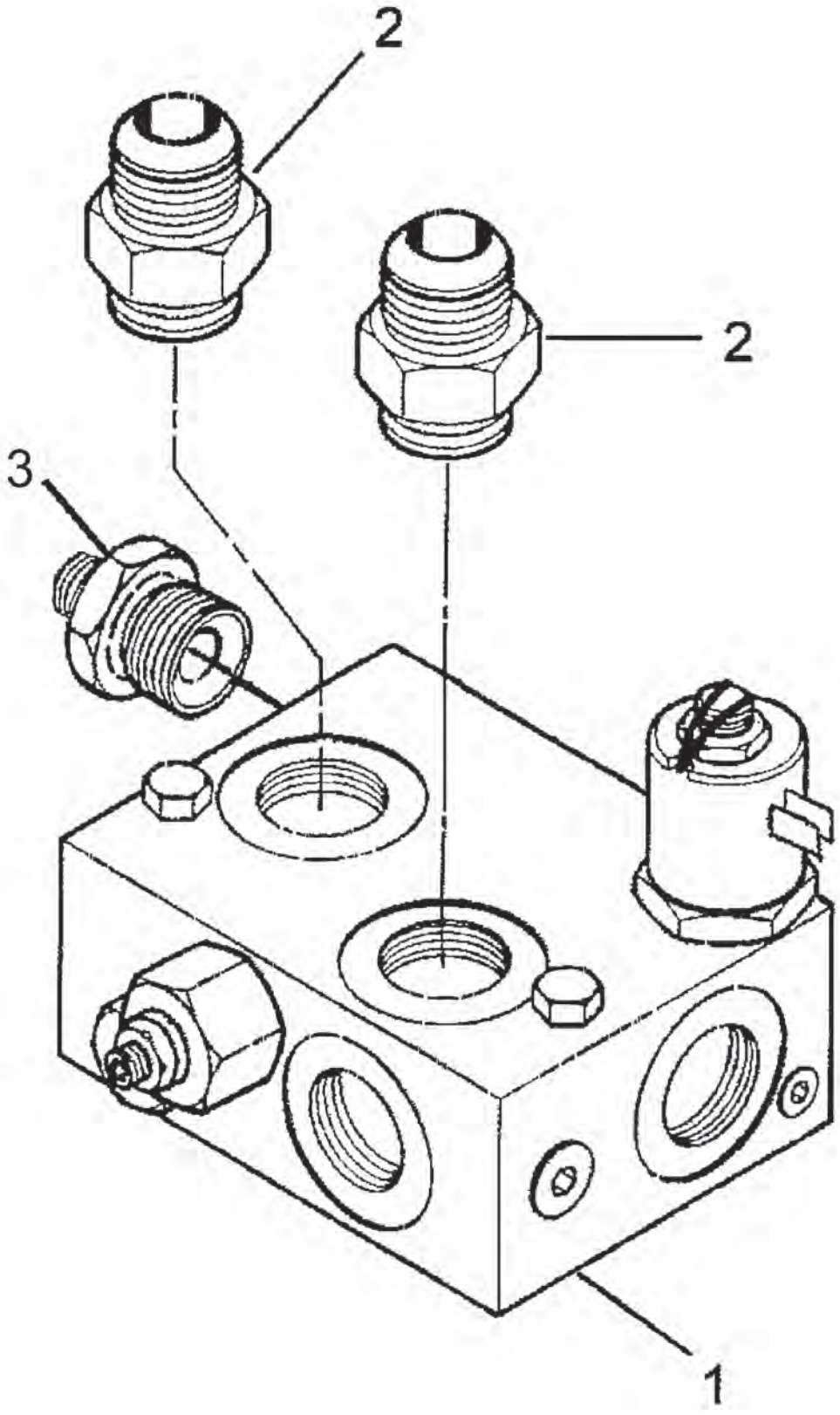
CUTTER VALVE ASY - WITH FITTINGS



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CUTTER VALVE ASY - WITH FITTINGS

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
-----	33802963902	-	SOLENOID CUTTER VALVE ASSY
1	33802960565	1	CUTTER VALVE
2	30002960807	2	STRAIGHT ADAPTER
3	33063042700	1	STRAIGHT ADAPTER

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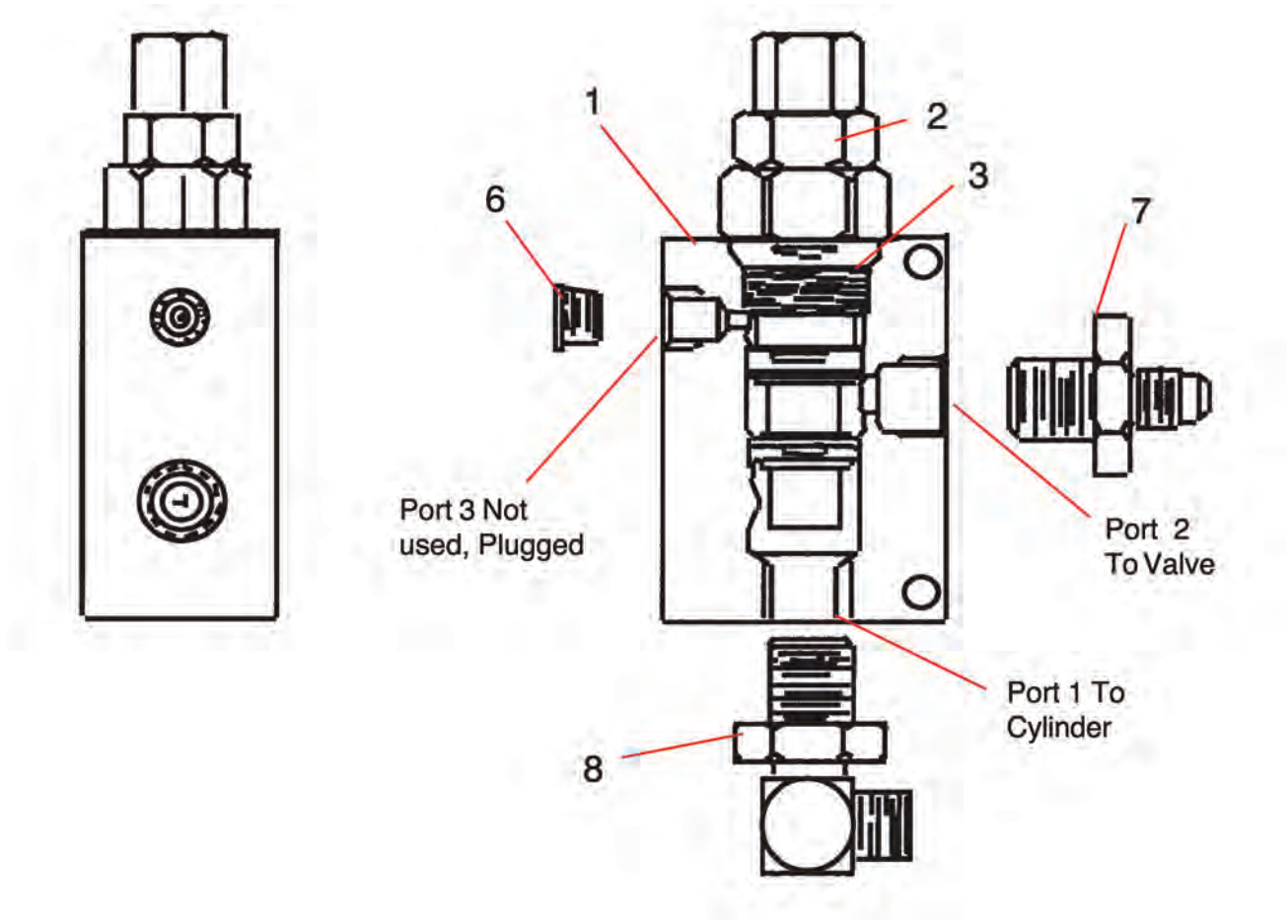
BREAKAWAY VALVE



ITEM	PART NO.	QTY.	DESCRIPTION
1	34002965521	1	VALVE BODY
2	34002965526	1	CARTRIDGE ASSEMBLY
3	33002965523	1	SEAL KIT
6	33000751003	1	PIPE PLUG
7	33002042500	1	ADAPTER
8	33002823100	1	ELBOW

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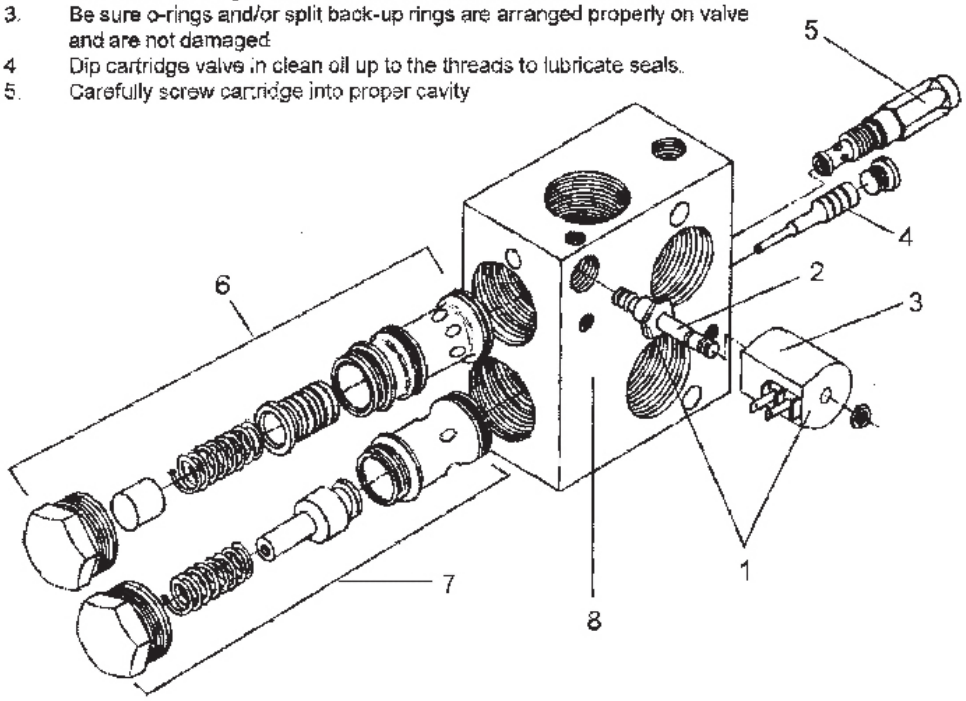
CARTRIDGE VALVE
INSTALLATION PROCEDURE

1. Visualy inspect the manifold block to make sure cavities are free of contamination including machining burrs and chips.
2. Check the cartridge valve to be sure it is free of visible contamination.
3. Be sure o-rings and/or split back-up rings are arranged properly on valve and are not damaged.
4. Dip cartridge valve in clean oil up to the threads to lubricate seals.
5. Carefully screw cartridge into proper cavity



ITEM	PART NO.	QTY.	DESCRIPTION
1	30002965223	1	ASY,VALVE/COIL,SOLENOID
2	30002965221	1	SOLENOID VALVE CARTRDGE W/SEAL
3	30002965222	1	SOLENOID COIL
4	30002961271	1	PISTON,PILOT
5	30002961261	1	CARTRIDGE,RELIEF,2500 PSI
-----	30002961262	1	KIT,SEAL,RELIEF CARTRIDGE
6	30002961267	1	VALVE, LOGIC
-----	30002961268	1	KIT,SEAL,LOGIC VALVE
7	30002961269	1	VALVE, CHECK
-----	30002961270	1	KIT,SEAL,CHECK VALVE
8	30002961266	1	KIT,SEAL,SOLENOID VALVE

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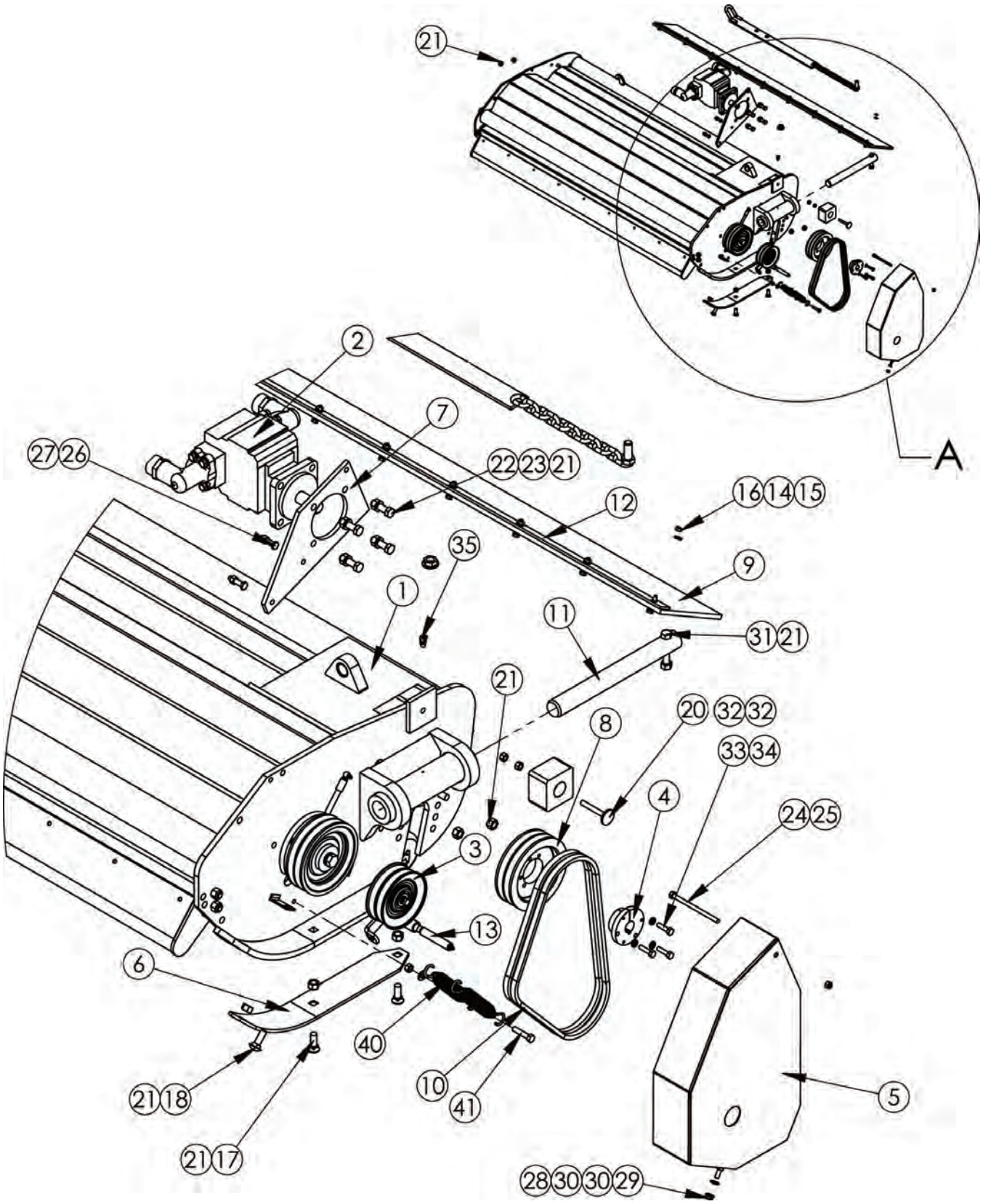
60 INCH FLAIL ASSEMBLY CC PN 34802963836



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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	348703676	1	ASY,CUTRHSG,CC KNVS,KSM60F
2	33802962020	1	ASY, MOTOR, KSMXXF
3	330702747	1	ASSY,IDLER,RH (FWD ROT)
4	300000672	1	HUB, QD PULLEY
5	34802959463	1	WLDMT, BELT COVER
6	348103051	2	SHOE/WEAR PLATE
7	34802959439	1	MOTOR-PLATE
8	330000673	1	PULLEY 6.35 OD 2 GRV B SEC
9	340104682	1	DEFLECTOR,TRASH,62 (REAR)
10	340000702	1	V-BELTS MATCHED PAIR (2 BELTS)
11	30002959438	1	PIN, 1-1/5 X 13-13/16" LG
12	348108742	1	BAR, FLAP RETAINER 62" HEAD
13	330702749	1	IDLER PIVOT PIN MA
14	30000024100	9	FLATWASHER STD 1/4 PL
15	30002153100	9	HHCS 1/4NC-1-1/4 PL GR5
16	30002959924	9	NUT, TOPLOCK 1/4 NC PLB
17	3002A381312	4	BOLT,PLOW 1/2 NC X 1-1/2 GR.5
18	30002886900	2	CARB 1/2 NC 1-1/2 PL5
20	30002963830	1	FCEB ELEV 3/8 NC 2-3/4 PL
21	30000001800	13	LOCKNUT TLM 1/2 NC PLC
22	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
23	30063000500	4	WASHER, FLAT, PLATED
24	30000751240	1	BOLT, HHCS 5/16" X 5" LG
25	30000749017	1	NUT TOPLOCK 5/16 NF PL
26	30000023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
27	30000015800	2	LOCKNUT TLM 3/8-NC PLC
28	30000035900	2	HHCS 5/16 NC X 3/4 GR5
29	30000750940	2	LOCKNUT TLM 5/16 NC PLB
30	30000023500	4	FLATWASHER 5/16 PL
31	30000753013	1	HHCS 1/2 NC 3 PL8
32	30000013901	2	NUT, HEX 3/8 NC PL
33	30010121000	3	HHCS 5/16 - 18 X 1 1/4 GR5
34	30000011700	3	HIGH ALLOY, L/W 5/16 YZ KG
35	30002961453	1	GREASE FITTING 1/4-28 TAPER 45
36	30002031800	1	NUT, HEX 3/8 NF PL
38	30000001400	1	FLATWASHER 5/8 PL STD
39	30000695100	1	LOCKNUT TOPLOCK 5/8NC PLB
40	300000539	2	SPRING,EXTENSION
41	30000752738	1	BOLT, HHCS 3/8" X 1-3/4" LG
42	30000011100	1	FLATWASHER STD 3/8 - PLATED

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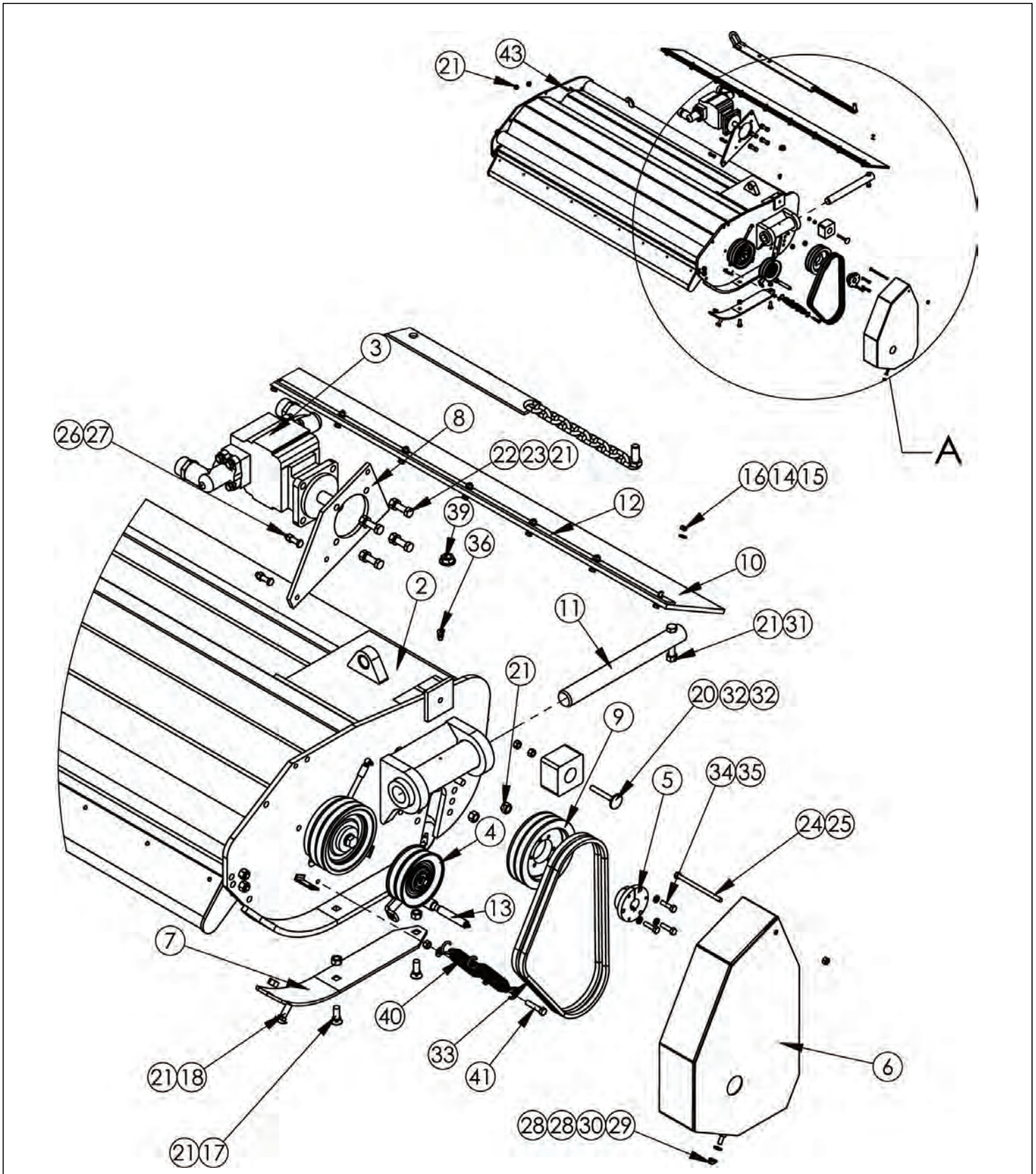
60 INCH FLAIL ASSEMBLY ES PN 34802968968



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60 INCH FLAIL ASSEMBLY ES PN 34802968968

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	30002031800	1	NUT, HEX 3/8 NF PL
2	348704218	1	ASY,CUTRHSG,ES KNVS,KSM60F
3	33802962020	1	ASY, MOTOR, KSMXXF
4	330702747	1	ASSY,IDLER,RH (FWD ROT)
5	300000672	1	HUB, QD PULLEY
6	34802959463	1	WLDMT, BELT COVER
7	348103051	2	SHOE/WEAR PLATE
8	34802959439	1	MOTOR-PLATE
9	330000673	1	PULLEY 6.35 OD 2 GRV B SEC
10	340104682	1	DEFLECTOR,TRASH,62 (REAR)
11	30002959438	1	PIN, 1-1/5 X 13-13/16" LG
12	348108742	1	BAR, FLAP RETAINER 62" HEAD
13	330702749	1	IDLER PIVOT PIN MA
14	30000024100	9	FLATWASHER STD 1/4 PL
15	30002153100	9	HHCS 1/4NC-1-1/4 PL GR5
16	30002959924	9	NUT, TOPLOCK 1/4 NC PLB
17	3002A381312	4	BOLT,PLOW 1/2 NC X 1-1/2 GR.5
18	30002886900	2	CARB 1/2 NC 1-1/2 PL5
20	30002963830	1	FCEB ELEV 3/8 NC 2-3/4 PL
21	30000001800	13	LOCKNUT TLM 1/2 NC PLC
22	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
23	30063000500	4	WASHER, FLAT, PLATED
24	30000751240	1	BOLT, HHCS 5/16" X 5" LG
25	30000749017	1	NUT TOPLOCK 5/16 NF PL
26	30000023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
27	30000015800	2	LOCKNUT TLM 3/8-NC PLC
28	30000035900	2	HHCS 5/16 NC X 3/4 GR5
29	30000750940	2	LOCKNUT TLM 5/16 NC PLB
30	30000023500	4	FLATWASHER 5/16 PL
31	30000753013	1	HHCS 1/2 NC 3 PL8
32	30000013901	2	NUT, HEX 3/8 NC PL
33	340000702	1	V-BELTS MATCHED PAIR (2 BELTS)
34	30010121000	3	HHCS 5/16 - 18 X 1 1/4 GR5
35	30000011700	3	HIGH ALLOY, L/W 5/16 YZ KG
36	30002961453	1	GREASE FITTING 1/4-28 TAPER 45
38	30000001400	1	FLATWASHER 5/8 PL STD
39	30000695100	1	LOCKNUT TOPLOCK 5/8NC PLB
40	300000539	2	SPRING,EXTENSION
41	30000752738	1	BOLT, HHCS 3/8" X 1-3/4" LG
42	30000011100	1	FLATWASHER STD 3/8 - PLATED
43	30002766400	1	BOLT, HHCS 5/16" X 1-1/2" LG

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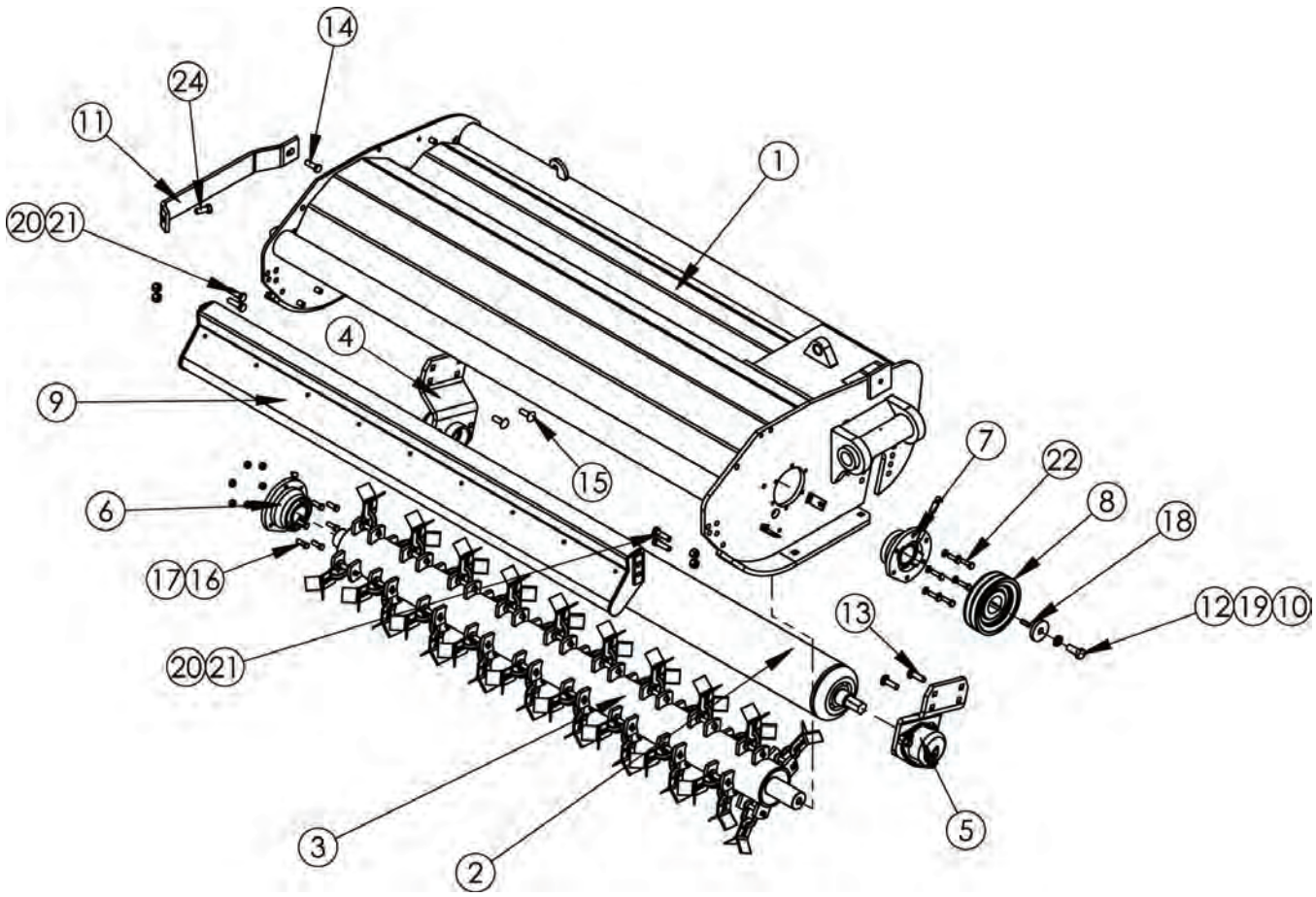
60 INCH CUTTERHOUSING ASSEMBLY CC 348703676



ITEM	PART NO.	QTY.	DESCRIPTION
1	348107441	1	WLDMT,CTRHSG,KSM60F
2	348107784	1	WLDMT- ROLLER 62 W/HEX SHAFT
3	348702515	1	ASY,CUTTERSHAFT,CC KNVS,KSM60F
4	348703977	1	ASY- ROLLER BRKT LH W/HEX BRG
5	348703978	1	ASY- ROLLER BRKT RH W/HEX BRG
6	348704305	1	BEARING, ASY, CUTTERSHAFT
7	348703695	1	BEARING, ASY, CUTTERSHAFT
8	34802976651	1	PULLEY, CUTTERSHAFT 1-15/16
9	348107254	1	WELDMENT FOOT GUARD-62"
10	300100720	1	WASHER, CUTTERSHAFT
11	348103064	1	FENDER
12	300000407	1	HHCS,5/8NF X 1-1/2 ZP5
13	300000516	2	CARB 1/2 NC 1-3/4 PL5
14	30000748823	1	HHCS 1/2-13UNC 1-1/2 GR.5 PL
15	30002886900	2	CARB 1/2 NC 1-1/2 PL5
17	30000015800	6	LOCKNUT TLM 3/8-NC PLC
18	300500066	1	KEY,SQUARE,1 X 3/8 SQ.
19	30000010300	1	HIGH ALLOY, L/W 5/8 YZ KG

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
20	30002979042	4	LOCKNUT,SP INSET 1/2 NC PLB
21	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
22	30002972949	6	BOLT 3/8 NC GR8 X 1-1/4
23	30000750959	4	HHCS 1/2 x 1-1/2 NC GR5 PL
24	30002030700	1	HHCS 1/2 NC X 1 1/4 PL GR5
25	300000841	6	LOCKWASHER,3/8 EXTERNAL TOOTH

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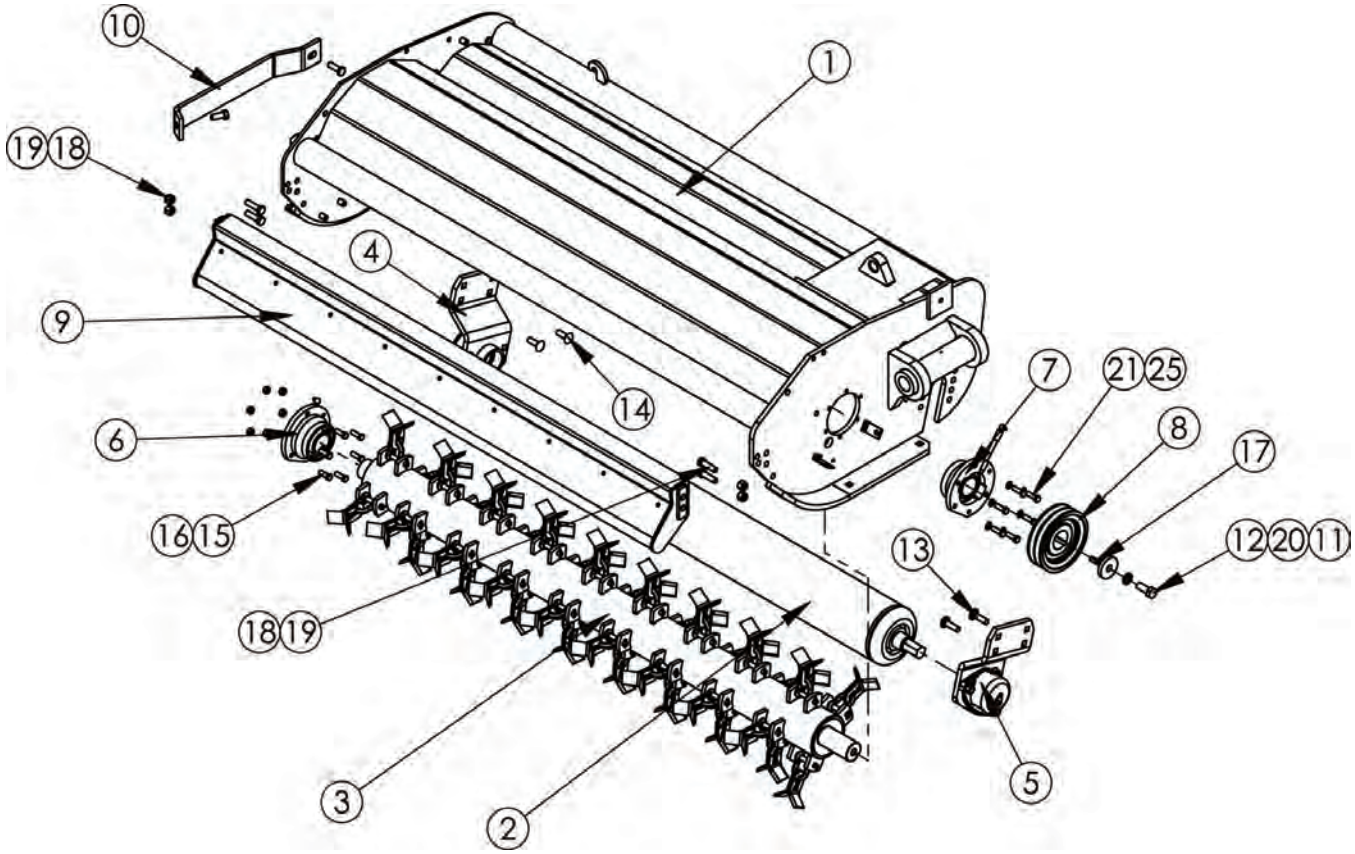
60 INCH CUTTERHOUSING ASSEMBLY ES 348704218



ITEM	PART NO.	QTY.	DESCRIPTION
1	348107441	1	WLDMT,CTRHSG,KSM60F
2	348107784	1	WLDMT- ROLLER 62 W/HEX SHAFT
3	348704219	1	ASY,CUTTERSHAFT,ES KNVS,KSM60F
4	348703977	1	ASY- ROLLER BRKT LH W/HEX BRG
5	348703978	1	ASY- ROLLER BRKT RH W/HEX BRG
6	348704305	1	BEARING, ASY, CUTTERSHAFT
7	348703695	1	BEARING, ASY, CUTTERSHAFT
8	34802976651	1	PULLEY, CUTTERSHAFT 1-15/16
9	348107254	1	WELDMENT FOOT GUARD-62"
10	348103064	1	FENDER
11	300100720	1	WASHER, CUTTERSHAFT
12	300000407	1	HHCS,5/8NF X 1-1/2 ZP5
13	300000516	2	CARB 1/2 NC 1-3/4 PL5
14	30002886900	2	CARB 1/2 NC 1-1/2 PL5
15	30002977821	6	HHCS 3/8 NF 1-1/8 PL8
16	30000015800	6	LOCKNUT TLM 3/8-NC PLC
17	300500066	1	KEY,SQUARE,1 X 3/8 SQ.
18	30002979042	4	LOCKNUT,SP INSET 1/2 NC PLB
19	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
20	30000010300	1	HIGH ALLOY, L/W 5/8 YZ KG

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
21	30002972949	6	BOLT 3/8 NC GR8 X 1-1/4
22	30000750959	4	HHCS 1/2 x 1-1/2 NC GR5 PL
23	30002030700	1	HHCS 1/2 NC X 1 1/4 PL GR5
24	30000748823	1	HHCS 1/2-13UNC 1-1/2 GR.5 PL
25	300000841	6	LOCKWASHER,3/8 EXTERNAL TOOTH

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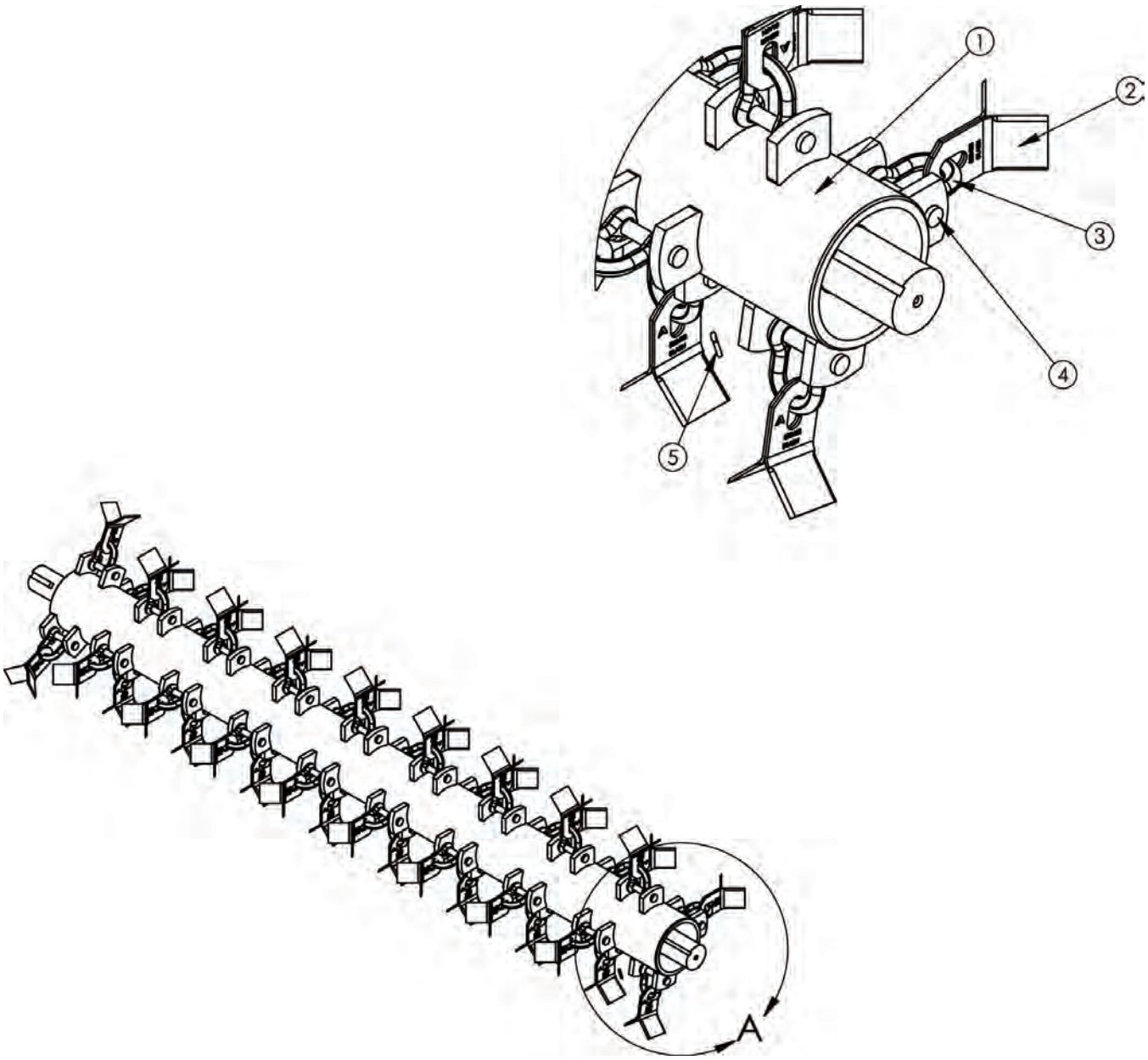
60 INCH CUTTERSHAFT ASSEMBLY CC PN 348702515



ITEM	PART NO.	QTY.	DESCRIPTION
1	348105760	1	WLDMT, CUTTERSHAFT, KSM60F
2	30002986332	72	COURSE CUT KNIFE
3	300100761	36	USE 348100761
4	300102670	36	USE 348102670
5	300000026	36	1/8X3/4 HAMMERLOCK COTTERPN<

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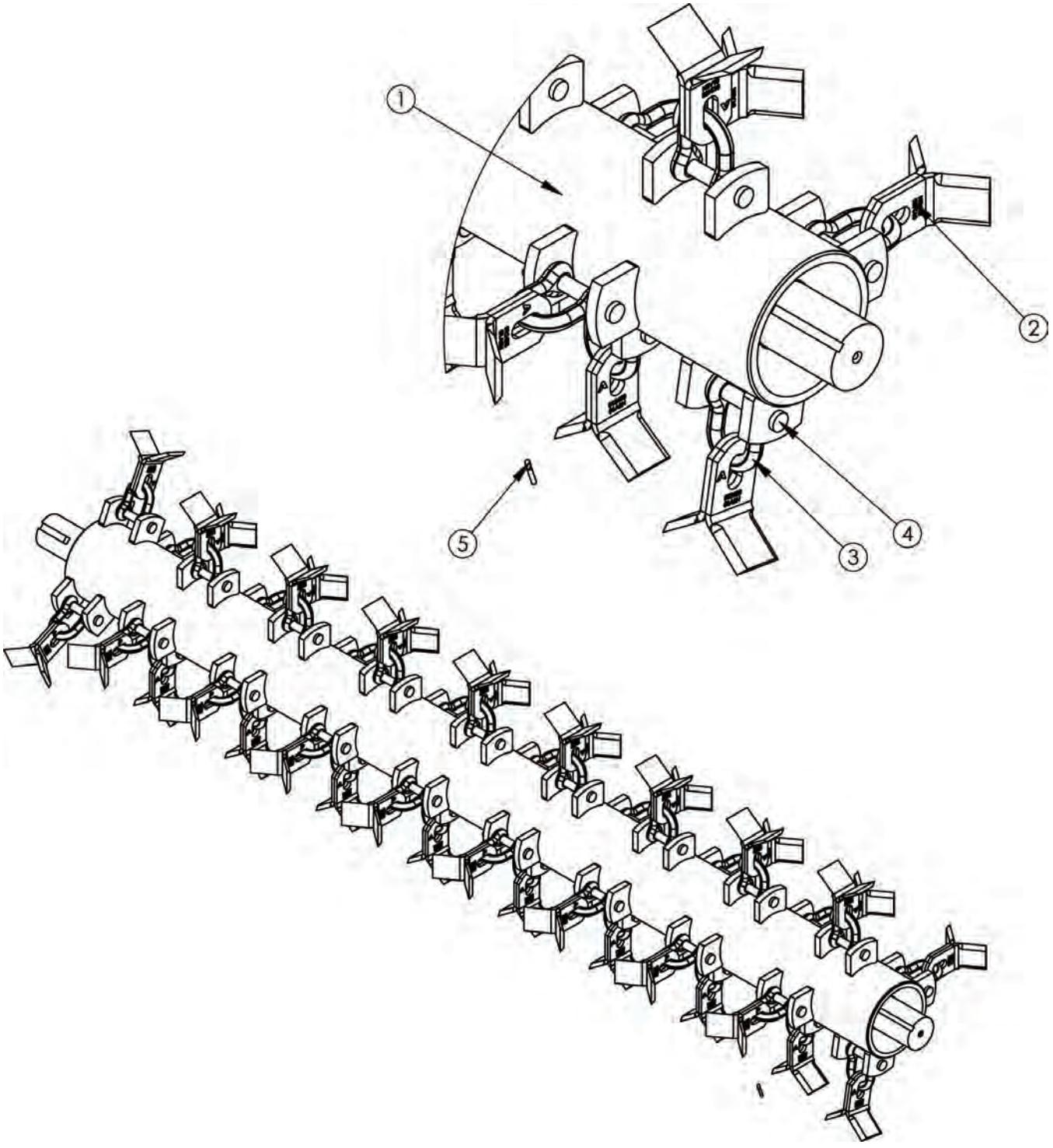
60 INCH CUTTERSHAFT ASSEMBLY ES PN 348704219



ITEM	PART NO.	QTY.	DESCRIPTION
1	348105760	1	WLDMT, CUTTERSHAFT, KSM60F
2	30002986276	72	KNIFE,EXTREME SERVICE
3	300100761	36	USE 348100761

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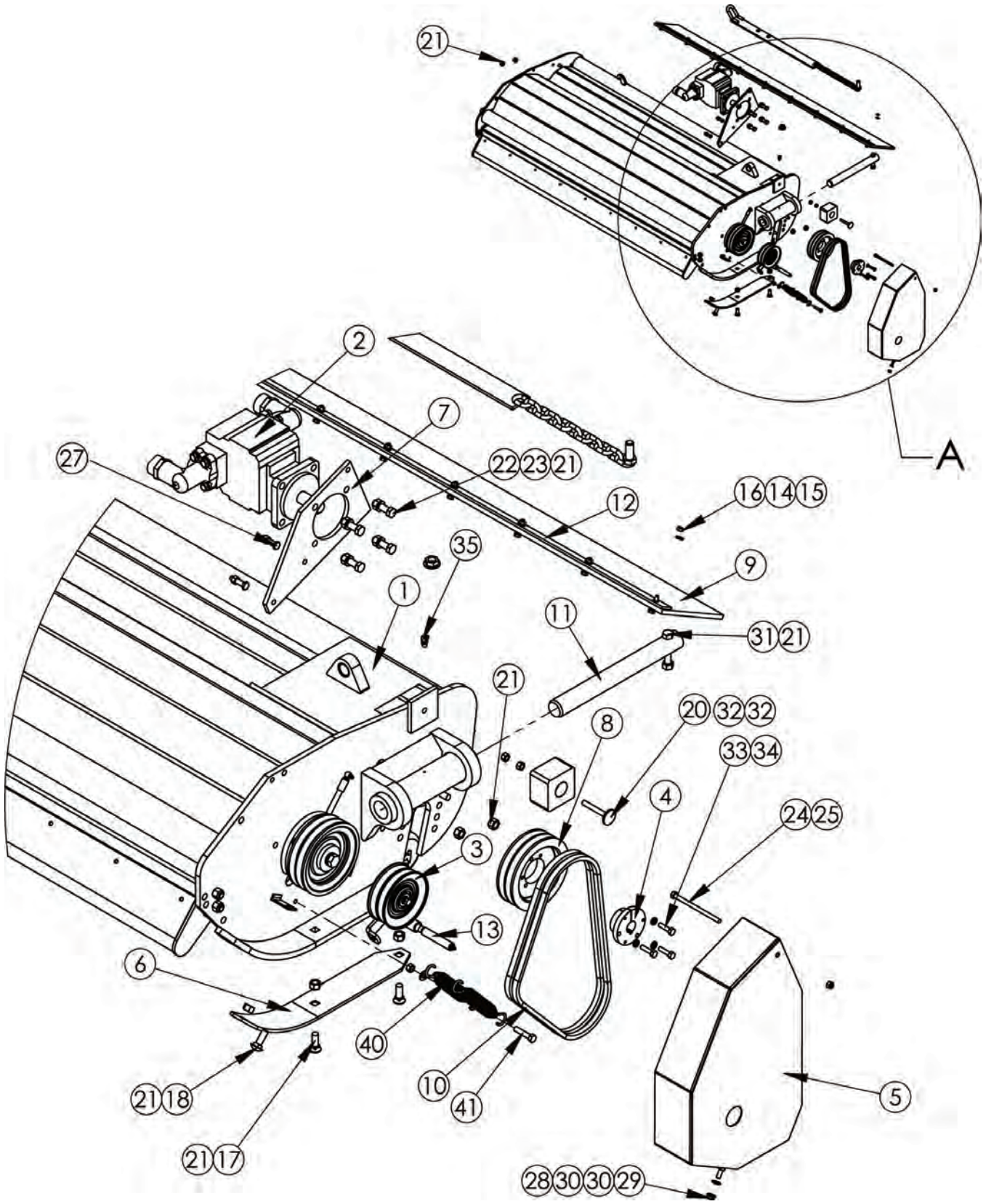
Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
4	300102670	36	USE 348102670
5	300000026	36	1/8X3/4 HAMMERLOCK COTTERPN<

74 INCH FLAIL ASSEMBLY CC PN 34802963837



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74 INCH FLAIL ASSEMBLY CC PN 34802963837

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	348703677	1	ASY, CTRHSG, CC KNVS, KSM74F
2	33802962020	1	ASY, MOTOR, KSMXXF
3	330702747	1	ASSY,IDLER,RH (FWD ROT)
4	300000672	1	HUB, QD PULLEY
5	34802959463	1	WLDMT, BELT COVER
6	348103051	2	SHOE/WEAR PLATE
7	34802959439	1	MOTOR-PLATE
8	330000673	1	PULLEY 6.35 OD 2 GRV B SEC
9	340100783	1	DEFLECTOR,TRASH,74 (REAR)
10	340000702	1	V-BELTS MATCHED PAIR (2 BELTS)
11	30002959438	1	PIN, 1-1/5 X 13-13/16" LG
12	348108743	1	BAR, FLAP RETAINER 74" HEAD
13	330702749	1	IDLER PIVOT PIN MA
14	30000024100	9	FLATWASHER STD 1/4 PL
15	30002153100	9	HHCS 1/4NC-1-1/4 PL GR5
16	30002959924	9	NUT, TOPLOCK 1/4 NC PLB
17	3002A381312	4	BOLT,PLOW 1/2 NC X 1-1/2 GR.5
18	30002886900	2	CARB 1/2 NC 1-1/2 PL5
20	30002958114	1	FCEB ELEV 3/8 NC 2-3/4 PL
21	30000001800	13	LOCKNUT TLM 1/2 NC PLC
22	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
23	30063000500	4	WASHER, FLAT, PLATED
24	30000751240	1	BOLT, HHCS 5/16" X 5" LG
25	30000749017	1	NUT TOPLOCK 5/16 NF PL
26	30000023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
28	30000035900	2	HHCS 5/16 NC X 3/4 GR5
29	30000750940	2	LOCKNUT TLM 5/16 NC PLB
30	30000023500	4	FLATWASHER 5/16 PL
31	30000753013	1	HHCS 1/2 NC 3 PL8
32	30000013901	2	NUT, HEX 3/8 NC PL
33	30010121000	3	HHCS 5/16 - 18 X 1 1/4 GR5
34	30000011700	3	HIGH ALLOY, L/W 5/16 YZ KG
35	30002961453	1	GREASE FITTING 1/4-28 TAPER 45
36	30002031800	1	NUT, HEX 3/8 NF PL
38	30000001400	1	FLATWASHER 5/8 PL STD
39	30000695100	1	LOCKNUT TOPLOCK 5/8NC PLB
40	300000539	2	SPRING,EXTENSION
41	30000752738	1	BOLT, HHCS 3/8" X 1-3/4" LG
42	30000011100	1	FLATWASHER STD 3/8 - PLATED

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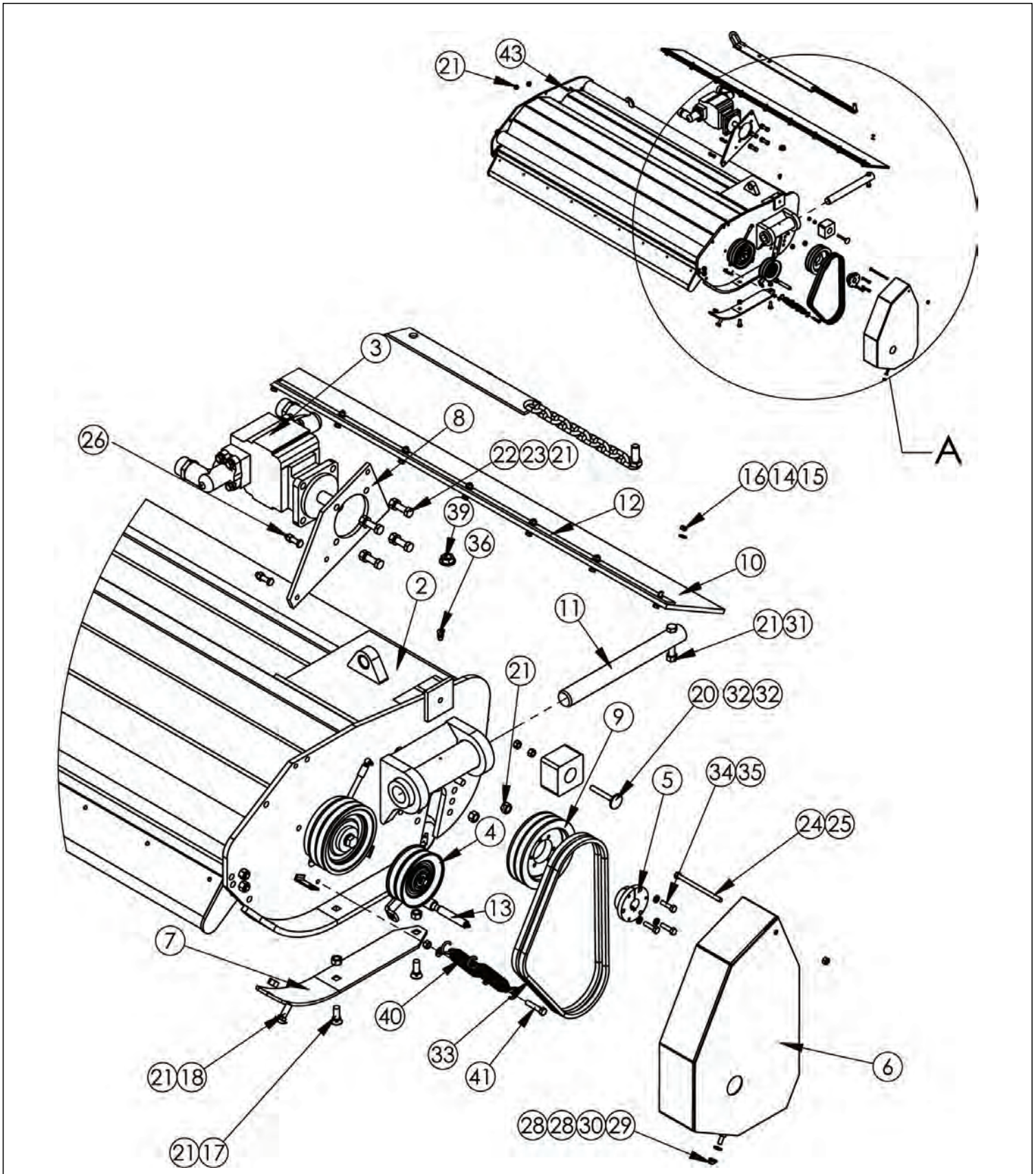
74 INCH FLAIL ASSEMBLY ES PN 34802967639



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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	30002031800	1	NUT, HEX 3/8 NF PL
2	348704194	1	ASY, CTRHSG, ES KNVS, KSM74F
3	33802962020	1	ASY, MOTOR, KSMXXF
4	330702747	1	ASSY,IDLER,RH (FWD ROT)
5	300000672	1	HUB, QD PULLEY
6	34802959463	1	WLDMT, BELT COVER
7	348103051	2	SHOE/WEAR PLATE
8	34802959439	1	MOTOR-PLATE
9	330000673	1	PULLEY 6.35 OD 2 GRV B SEC
10	340100783	1	DEFLECTOR,TRASH,74 (REAR)
11	30002959438	1	PIN, 1-1/5 X 13-13/16" LG
12	348108743	1	BAR, FLAP RETAINER 74" HEAD
13	330702749	1	IDLER PIVOT PIN MA
14	30000024100	11	FLATWASHER STD 1/4 PL
15	30002153100	11	HHCS 1/4NC-1-1/4 PL GR5
16	30002959924	11	NUT, TOPLOCK 1/4 NC PLB
17	3002A381312	4	BOLT,PLOW 1/2 NC X 1-1/2 GR.5
18	30002886900	2	CARB 1/2 NC 1-1/2 PL5
20	30002958114	1	FCEB ELEV 3/8 NC 2-3/4 PL
21	30000001800	13	LOCKNUT TLM 1/2 NC PLC
22	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
23	30063000500	4	WASHER, FLAT, PLATED
24	30000751240	1	BOLT, HHCS 5/16" X 5" LG
25	30000749017	1	NUT TOPLOCK 5/16 NF PL
26	30000023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
28	30000035900	2	HHCS 5/16 NC X 3/4 GR5
29	30000750940	2	LOCKNUT TLM 5/16 NC PLB
30	30000023500	2	FLATWASHER 5/16 PL
31	30000753013	1	HHCS 1/2 NC 3 PL8
32	30000013901	3	NUT, HEX 3/8 NC PL
33	340000702	1	V-BELTS MATCHED PAIR (2 BELTS)
34	30010121000	3	HHCS 5/16 - 18 X 1 1/4 GR5
35	30000011700	3	HIGH ALLOY, L/W 5/16 YZ KG
36	30002961453	1	GREASE FITTING 1/4-28 TAPER 45
38	30000001400	1	FLATWASHER 5/8 PL STD
39	30000695100	1	LOCKNUT TOPLOCK 5/8NC PLB
40	300000539	2	SPRING,EXTENSION
41	30000752738	1	BOLT, HHCS 3/8" X 1-3/4" LG
42	30000011100	1	FLATWASHER STD 3/8 - PLATED

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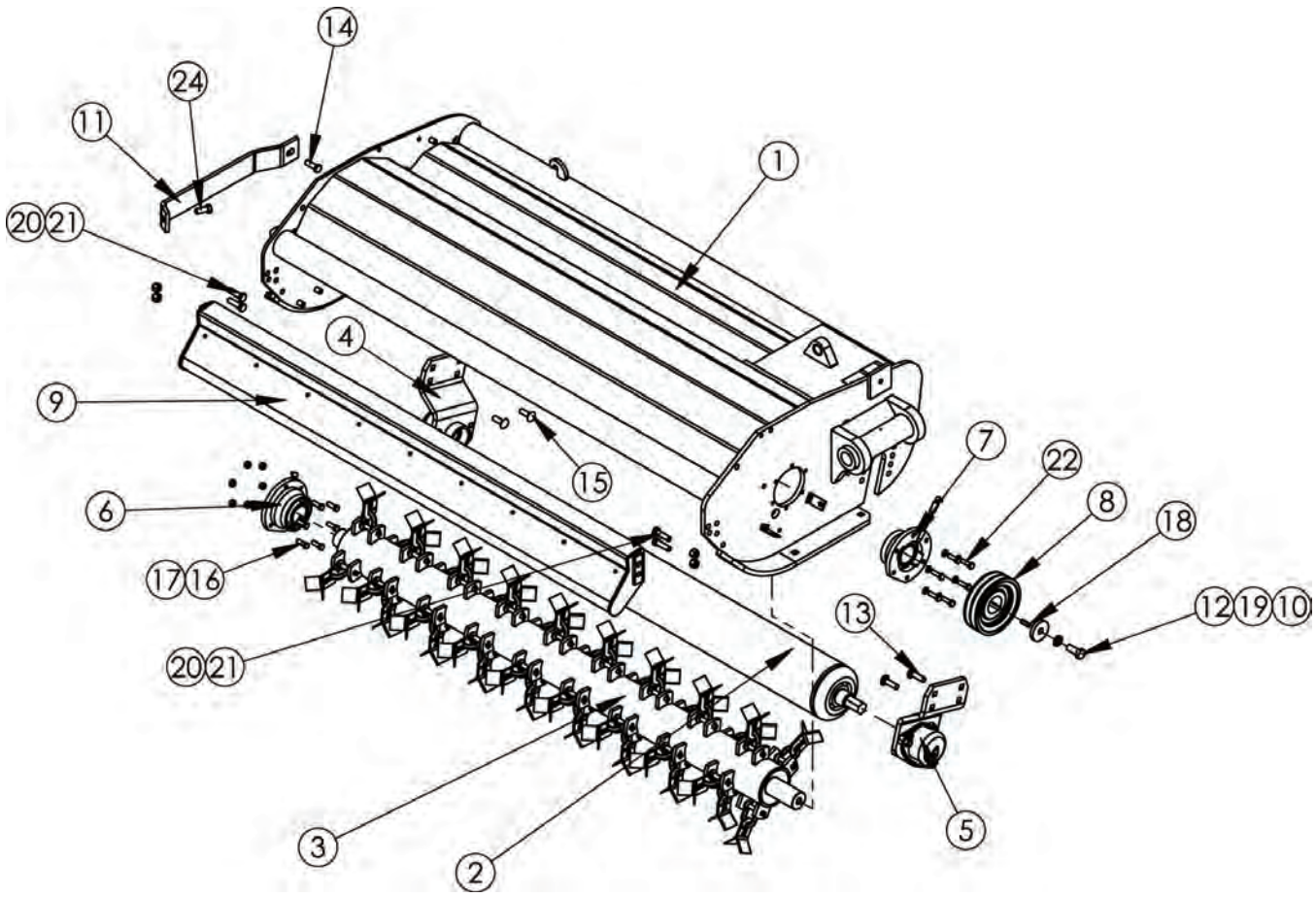
74 INCH CUTTERHOUSING ASSEMBLY CC 348703677



ITEM	PART NO.	QTY.	DESCRIPTION
1	348107442	1	WLDMT,CTRHSG,KSM74F
2	348107785	1	WLDMT- ROLLER 74 W/HEX SHAFT
3	348702514	1	ASY, CUTTERSHAFT, CC KNVS, KSM74F
4	348703977	1	ASY- ROLLER BRKT LH W/HEX BRG
5	348703978	1	ASY- ROLLER BRKT RH W/HEX BRG
6	348704305	1	BEARING, ASY, CUTTERSHAFT
7	348703695	1	BEARING, ASY, CUTTERSHAFT
8	34802976651	1	PULLEY, CUTTERSHAFT 1-15/16
9	348107258	1	WELDMENT FOOT GUARD-74"
10	300100720	1	WASHER, CUTTERSHAFT
11	348103064	1	FENDER
12	300000407	1	HHCS,5/8NF X 1-1/2 ZP5
13	300000516	2	CARB 1/2 NC 1-3/4 PL5
14	30000748823	1	HHCS 1/2-13UNC 1-1/2 GR.5 PL
15	30002886900	2	CARB 1/2 NC 1-1/2 PL5
16	30002977821	6	HHCS 3/8 NF 1-1/8 PL8
17	30000015800	6	LOCKNUT TLM 3/8-NC PLC
18	300500066	1	KEY,SQUARE,1 X 3/8 SQ.

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
19	30000010300	1	HIGH ALLOY, L/W 5/8 YZ KG
20	30002979042	4	LOCKNUT,SP INSET 1/2 NC PLB
21	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
22	30002972949	6	BOLT 3/8 NC GR8 X 1-1/4
23	30000750959	4	HHCS 1/2 x 1-1/2 NC GR5 PL
24	30002030700	1	HHCS 1/2 NC X 1 1/4 PL GR5
25	300000841	6	LOCKWASHER,3/8 EXTERNAL TOOTH

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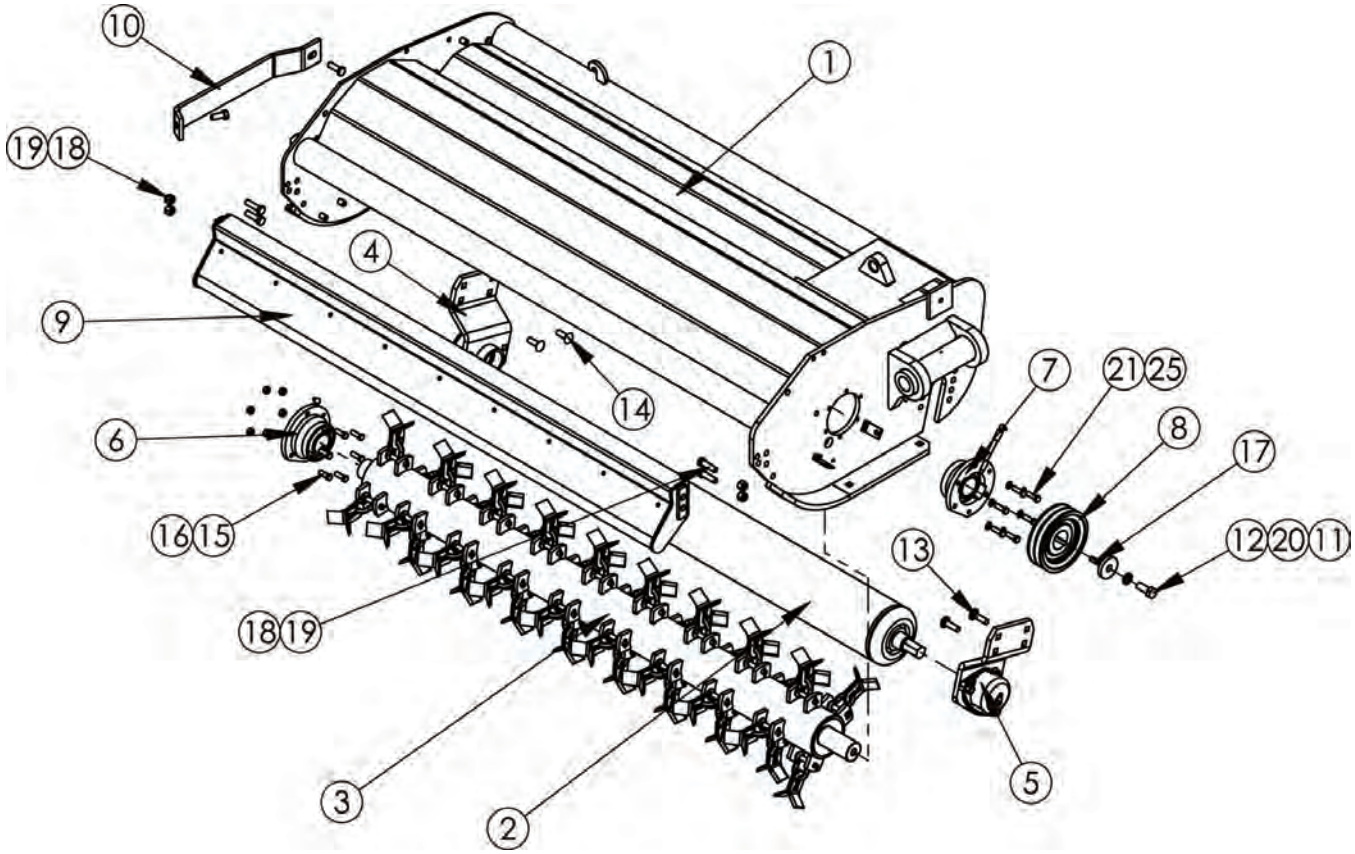
74 INCH CUTTERHOUSING ASSEMBLY ES P/N 348704194



ITEM	PART NO.	QTY.	DESCRIPTION
1	348107442	1	WLDMT,CTRHSG,KSM74F
2	348107785	1	WLDMT- ROLLER 74 W/HEX SHAFT
3	348702597	1	ASY, CUTTERSHAFT, KSM74F, ES KNVS
4	348703977	1	ASY- ROLLER BRKT LH W/HEX BRG
5	348703978	1	ASY- ROLLER BRKT RH W/HEX BRG
6	348704305	1	BEARING, ASY, CUTTERSHAFT
7	348703695	1	BEARING, ASY, CUTTERSHAFT
8	34802976651	1	PULLEY, CUTTERSHAFT 1-15/16
9	348107256	1	WLDMT,FOOT GUARD 74,
10	348103064	1	FENDER
11	300100720	1	WASHER, CUTTERSHAFT
12	300000407	1	HHCS,5/8NF X 1-1/2 ZP5
13	300000516	2	CARB 1/2 NC 1-3/4 PL5
14	30002886900	2	CARB 1/2 NC 1-1/2 PL5
15	30002977821	6	HHCS 3/8 NF 1-1/8 PL8
16	30000015800	6	LOCKNUT TLM 3/8-NC PLC
17	300500066	1	KEY,SQUARE,1 X 3/8 SQ.
18	30002979042	4	LOCKNUT,SP INSET 1/2 NC PLB
19	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
20	30000010300	1	HIGH ALLOY, L/W 5/8 YZ KG

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
21	30002972949	6	BOLT 3/8 NC GR8 X 1-1/4
22	30000750959	4	HHCS 1/2 x 1-1/2 NC GR5 PL
23	30002030700	1	HHCS 1/2 NC X 1 1/4 PL GR5
24	30000748823	1	HHCS 1/2-13UNC 1-1/2 GR.5 PL
25	300000841	6	LOCKWASHER,3/8 EXTERNAL TOOTH

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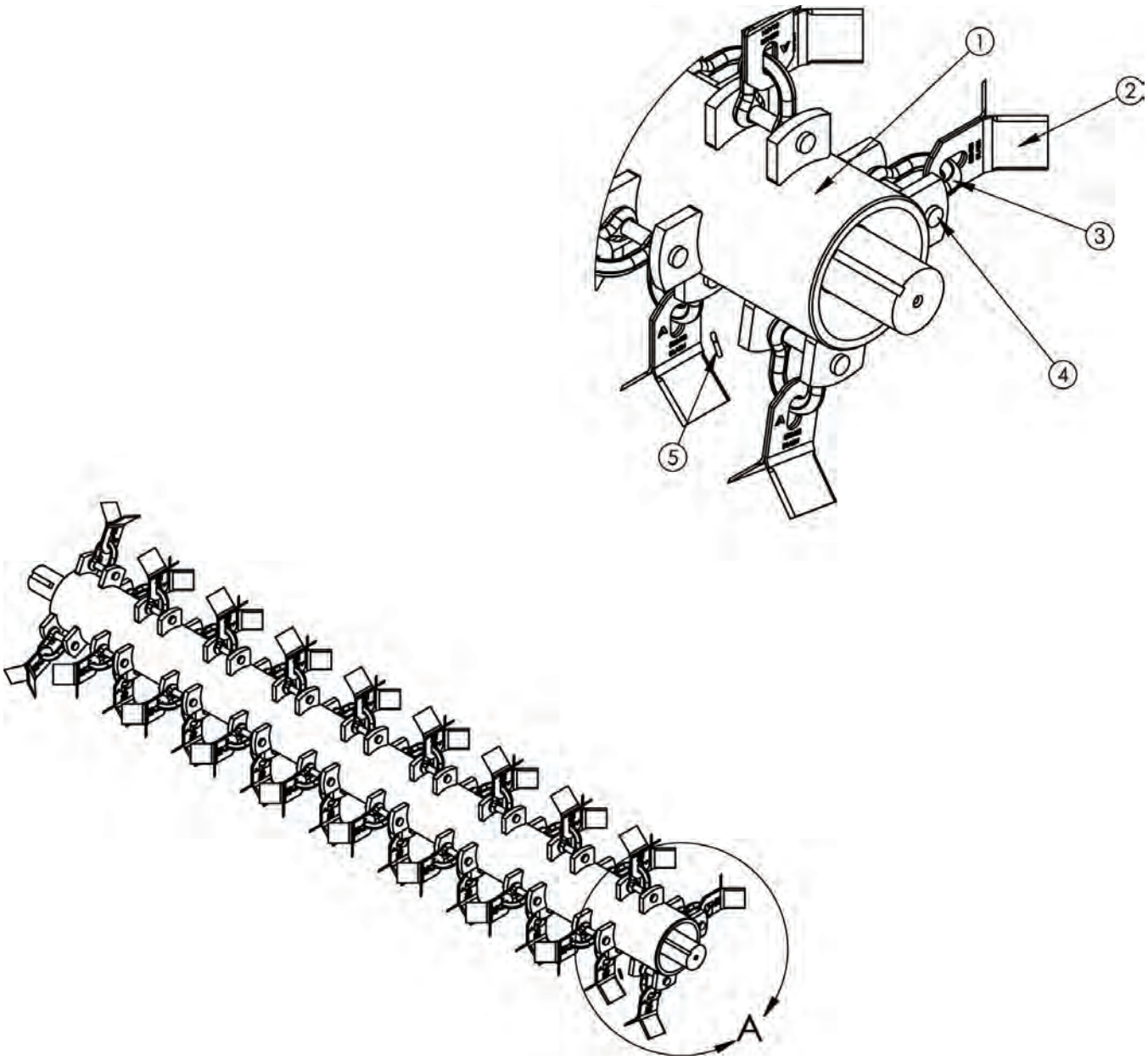
74 INCH CUTTERSHAFT ASSEMBLY CC PN 348702514



ITEM	PART NO.	QTY.	DESCRIPTION
1	348106151	1	WLDMT, CUTTERSHAFT, KSM74F
2	30002986332	72	COURSE CUT KNIFE
3	300100761	36	USE 348100761
4	300102670	36	USE 348102670
5	300000026	36	1/8X3/4 HAMMERLOCK COTTERPN<

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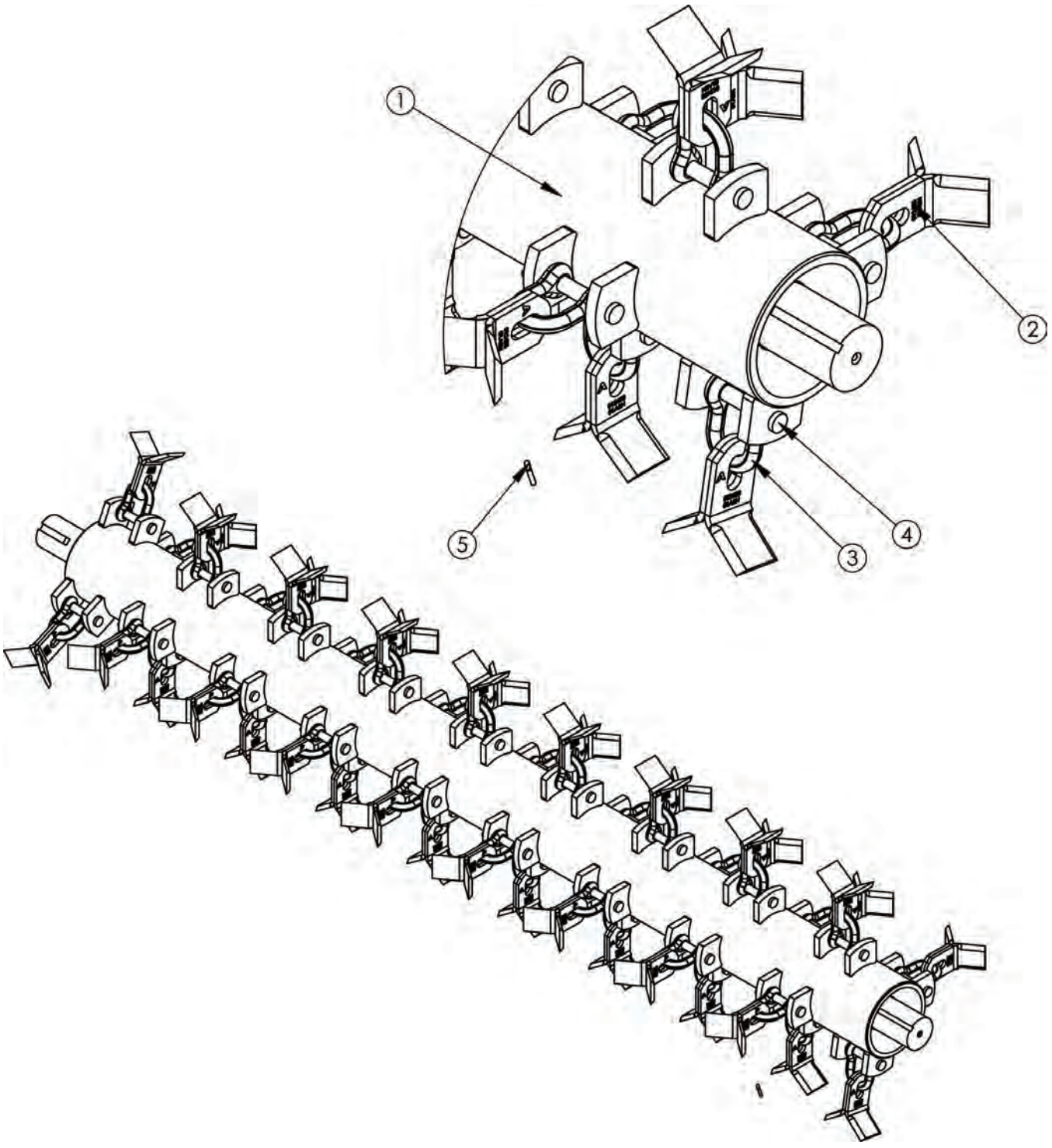
74 INCH CUTTERSHAFT ASSEMBLY ES PN 348702597



ITEM	PART NO.	QTY.	DESCRIPTION
1	348105761	1	WLDMT, CUTTERSHAFT, KSM74F
2	30002986276	72	KNIFE,EXTREME SERVICE
3	300100761	36	USE 348100761

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
4	300102670	36	USE 348102670
5	300000026	36	1/8X3/4 HAMMERLOCK COTTERPN<

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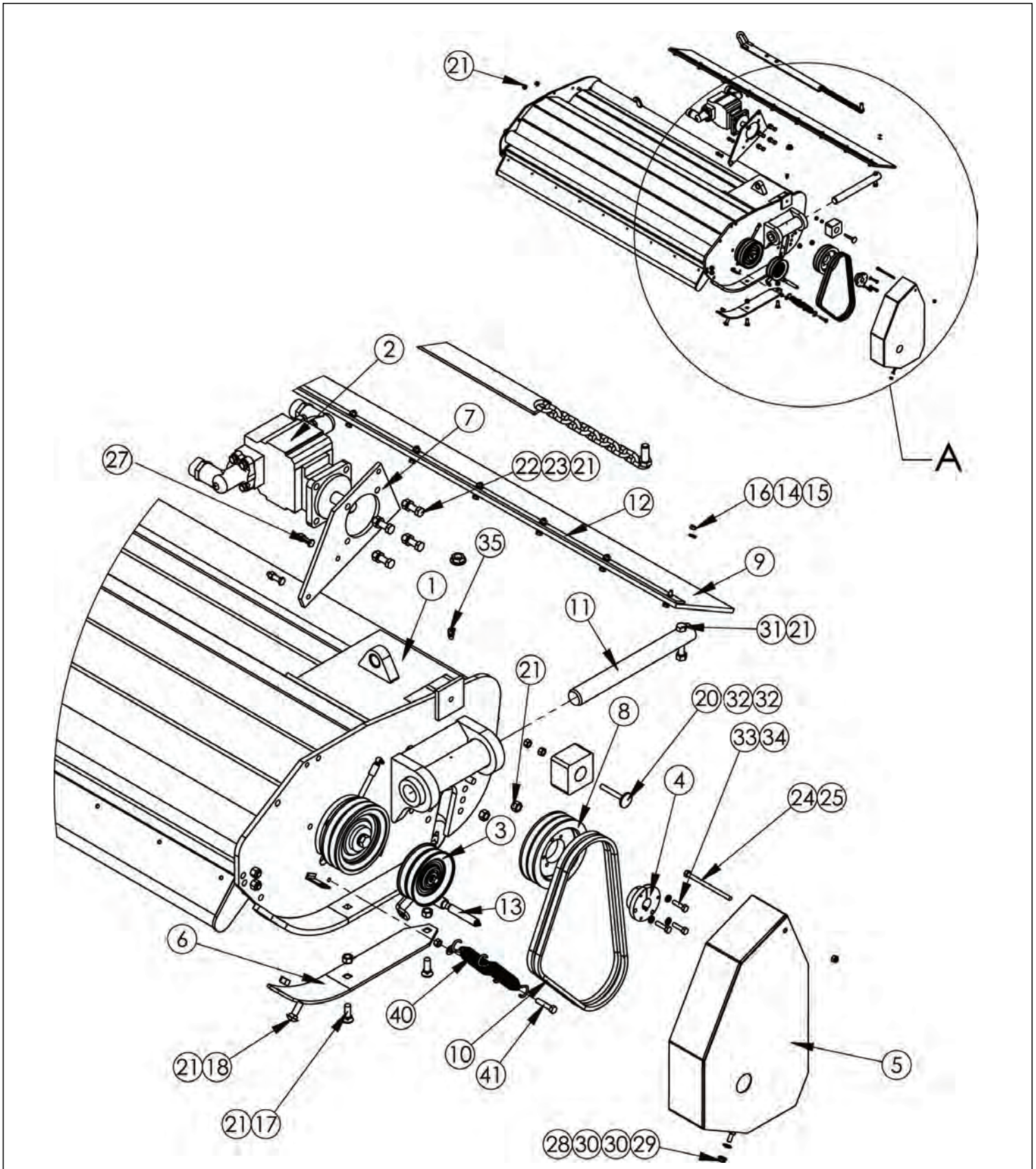
88 INCH FLAIL ASSEMBLY CC PN 34802965121



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ITEM	PART NO.	QTY.	DESCRIPTION
1	348703912	1	ASY, CTRHSG, CC KNVS, KSM88F
2	33802962020	1	ASY, MOTOR, KSMXXF
3	330702747	1	ASSY,IDLER,RH (FWD ROT)
4	300000672	1	HUB, QD PULLEY
5	34802959463	1	WLDMT, BELT COVER
6	348103051	2	SHOE/WEAR PLATE
7	34802959439	1	MOTOR-PLATE
8	330000673	1	PULLEY 6.35 OD 2 GRV B SEC
9	340100755	1	DEFLECTOR,TRASH,88 (REAR)
10	340000702	1	V-BELTS MATCHED PAIR (2 BELTS)
11	30002959438	1	PIN, 1-1/5 X 13-13/16" LG
12	348108744	1	BAR, FLAP RETAINER 88" HEAD
13	330702749	1	IDLER PIVOT PIN MA
14	30000024100	11	FLATWASHER STD 1/4 PL
15	30002153100	11	HHCS 1/4NC-1-1/4 PL GR5
16	30002959924	11	NUT, TOPLOCK 1/4 NC PLB
17	3002A381312	4	BOLT,PLOW 1/2 NC X 1-1/2 GR.5
18	30002886900	2	CARB 1/2 NC 1-1/2 PL5
20	30002958114	1	FCEB ELEV 3/8 NC 2-3/4 PL
21	30000001800	13	LOCKNUT TLM 1/2 NC PLC
22	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
23	30063000500	4	WASHER, FLAT, PLATED
24	30000751240	1	BOLT, HHCS 5/16" X 5" LG
25	30000749017	1	NUT TOPLOCK 5/16 NF PL
26	30000023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
28	30000035900	2	HHCS 5/16 NC X 3/4 GR5
29	30000750940	2	LOCKNUT TLM 5/16 NC PLB
30	30000023500	2	FLATWASHER 5/16 PL
31	30000753013	1	HHCS 1/2 NC 3 PL8
32	30000013901	3	NUT, HEX 3/8 NC PL
34	30000011700	3	HIGH ALLOY, L/W 5/16 YZ KG
35	30002961453	1	GREASE FITTING 1/4-28 TAPER 45
36	30002031800	1	NUT, HEX 3/8 NF PL
38	30000001400	1	FLATWASHER 5/8 PL STD
39	30000695100	1	LOCKNUT TOPLOCK 5/8NC PLB
40	300000539	2	SPRING,EXTENSION
41	30000752738	1	BOLT, HHCS 3/8" X 1-3/4" LG
42	30000011100	1	FLATWASHER STD 3/8 - PLATED

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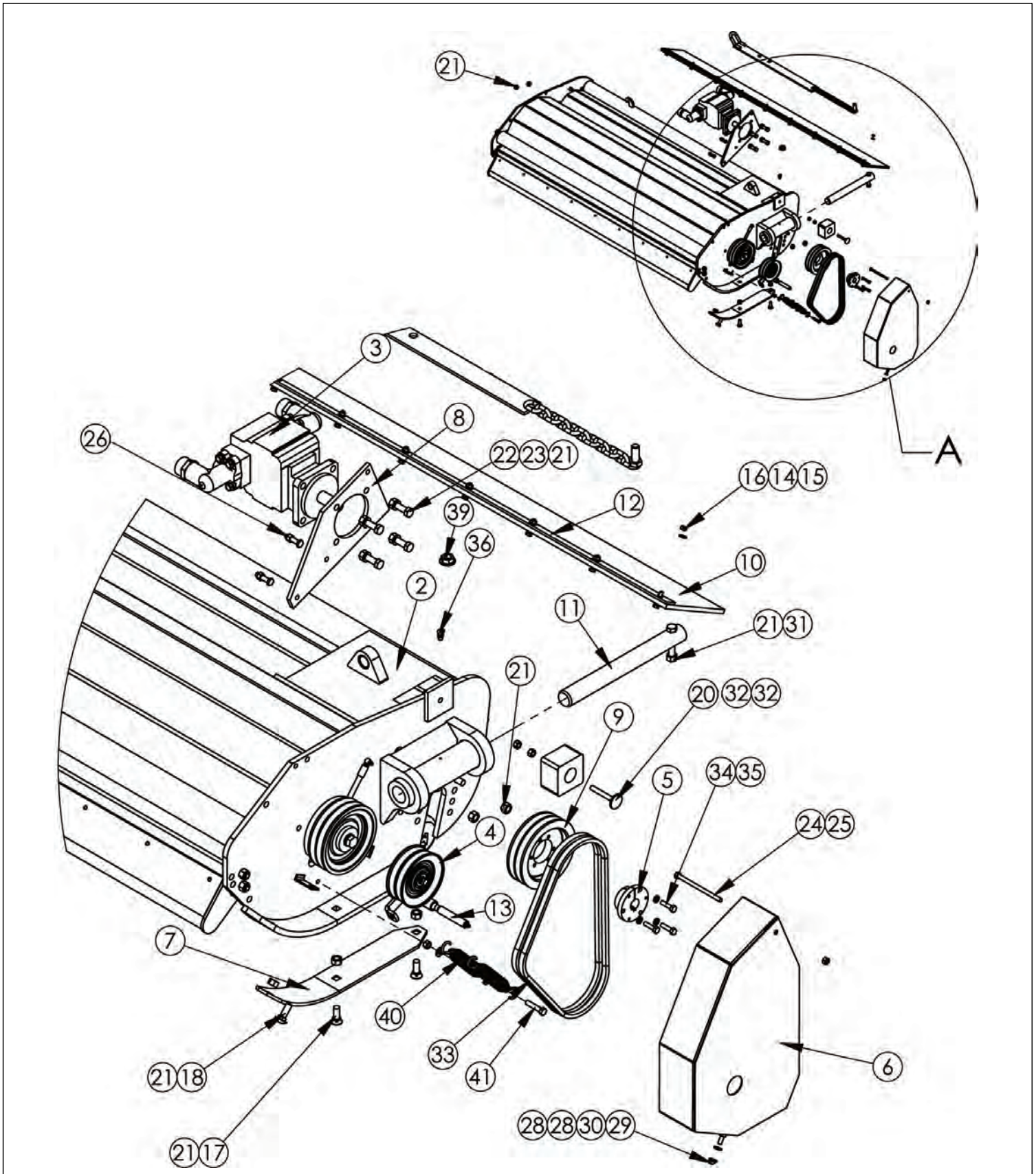
88 INCH FLAIL ASSEMBLY ES PN 34802968970



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88 INCH FLAIL ASSEMBLY ES PN 34802968970

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	30002031800	1	NUT, HEX 3/8 NF PL
2	348704220	1	ASY, CTRHSG, ES KNVS, KSM88F
3	33802962020	1	ASY, MOTOR, KSMXXF
4	330702747	1	ASSY,IDLER,RH (FWD ROT)
5	300000672	1	HUB, QD PULLEY
6	34802959463	1	WLDMT, BELT COVER
7	348103051	2	SHOE/WEAR PLATE
8	34802959439	1	MOTOR-PLATE
9	330000673	1	PULLEY 6.35 OD 2 GRV B SEC
10	340100755	1	DEFLECTOR,TRASH,88 (REAR)
11	30002959438	1	PIN, 1-1/5 X 13-13/16" LG
12	348108744	1	BAR, FLAP RETAINER 88" HEAD
13	330702749	1	IDLER PIVOT PIN MA
14	30000024100	11	FLATWASHER STD 1/4 PL
15	30002153100	11	HHCS 1/4NC-1-1/4 PL GR5
16	30002959924	11	NUT, TOPLOCK 1/4 NC PLB
17	3002A381312	4	BOLT,PLOW 1/2 NC X 1-1/2 GR.5
18	30002886900	2	CARB 1/2 NC 1-1/2 PL5
20	30002958114	1	FCEB ELEV 3/8 NC 2-3/4 PL
21	30000001800	13	LOCKNUT TLM 1/2 NC PLC
22	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
23	30063000500	4	WASHER, FLAT, PLATED
24	30000751240	1	BOLT, HHCS 5/16" X 5" LG
25	30000749017	1	NUT TOPLOCK 5/16 NF PL
26	30000023100	2	HHCS 3/8 -16UNC 1-1/2 PL5
28	30000035900	2	HHCS 5/16 NC X 3/4 GR5
29	30000750940	2	LOCKNUT TLM 5/16 NC PLB
30	30000023500	2	FLATWASHER 5/16 PL
31	30000753013	1	HHCS 1/2 NC 3 PL8
32	30000013901	3	NUT, HEX 3/8 NC PL
33	340000702	1	V-BELTS MATCHED PAIR (2 BELTS)
34	30010121000	3	HHCS 5/16 - 18 X 1 1/4 GR5
35	30000011700	3	HIGH ALLOY, L/W 5/16 YZ KG
36	30002961453	1	GREASE FITTING 1/4-28 TAPER 45
38	30000001400	1	FLATWASHER 5/8 PL STD
39	30000695100	1	LOCKNUT TOPLOCK 5/8NC PLB
40	300000539	2	SPRING,EXTENSION
41	30000752738	1	BOLT, HHCS 3/8" X 1-3/4" LG
42	30000011100	1	FLATWASHER STD 3/8 - PLATED

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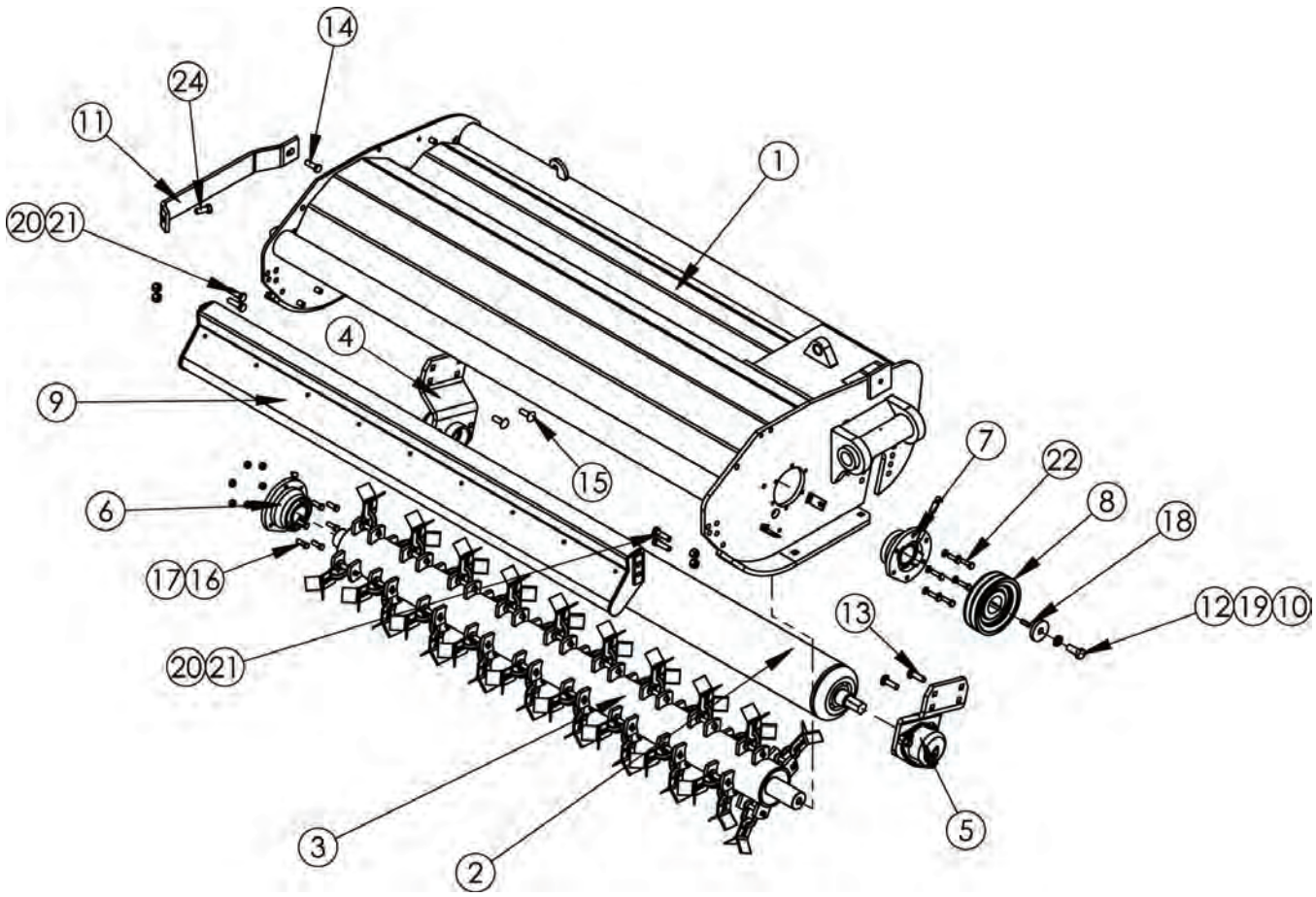
88 INCH CUTTERHOUSE ASSEMBLY CC P/N 348703912



ITEM	PART NO.	QTY.	DESCRIPTION
1	348107628	1	WLDMT,CTRHSG,KSM88F
2	348107786	1	WLDMT- ROLLER 88 W/HEX SHAFT
3	348702609	1	ASY, CUTTERSHAFT, CC KNVS, KSM88F
4	348703977	1	ASY- ROLLER BRKT LH W/HEX BRG
5	348703978	1	ASY- ROLLER BRKT RH W/HEX BRG
6	348704305	1	BEARING, ASY, CUTTERSHAFT
7	348703695	1	BEARING, ASY, CUTTERSHAFT
8	34802976651	1	PULLEY, CUTTERSHAFT 1-15/16
9	348107258	1	WELDMENT FOOT GUARD-88"
10	300100720	1	WASHER, CUTTERSHAFT
11	348103064	1	FENDER
12	300000407	1	HHCS,5/8NF X 1-1/2 ZP5
13	300000516	2	CARB 1/2 NC 1-3/4 PL5
14	30000748823	1	HHCS 1/2-13UNC 1-1/2 GR.5 PL
15	30002886900	2	CARB 1/2 NC 1-1/2 PL5
16	30002977821	6	HHCS 3/8 NF 1-1/8 PL8
17	30000015800	6	LOCKNUT TLM 3/8-NC PLC
18	300500066	1	KEY,SQUARE,1 X 3/8 SQ.

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ITEM	PART NO.	QTY.	DESCRIPTION
19	30000010300	1	HIGH ALLOY, L/W 5/8 YZ KG
20	30002979042	4	LOCKNUT,SP INSET 1/2 NC PLB
21	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
22	30002972949	6	BOLT 3/8 NC GR8 X 1-1/4
23	30000750959	4	HHCS 1/2 x 1-1/2 NC GR5 PL
24	30002030700	1	HHCS 1/2 NC X 1 1/4 PL GR5
25	300000841	6	LOCKWASHER,3/8 EXTERNAL TOOTH

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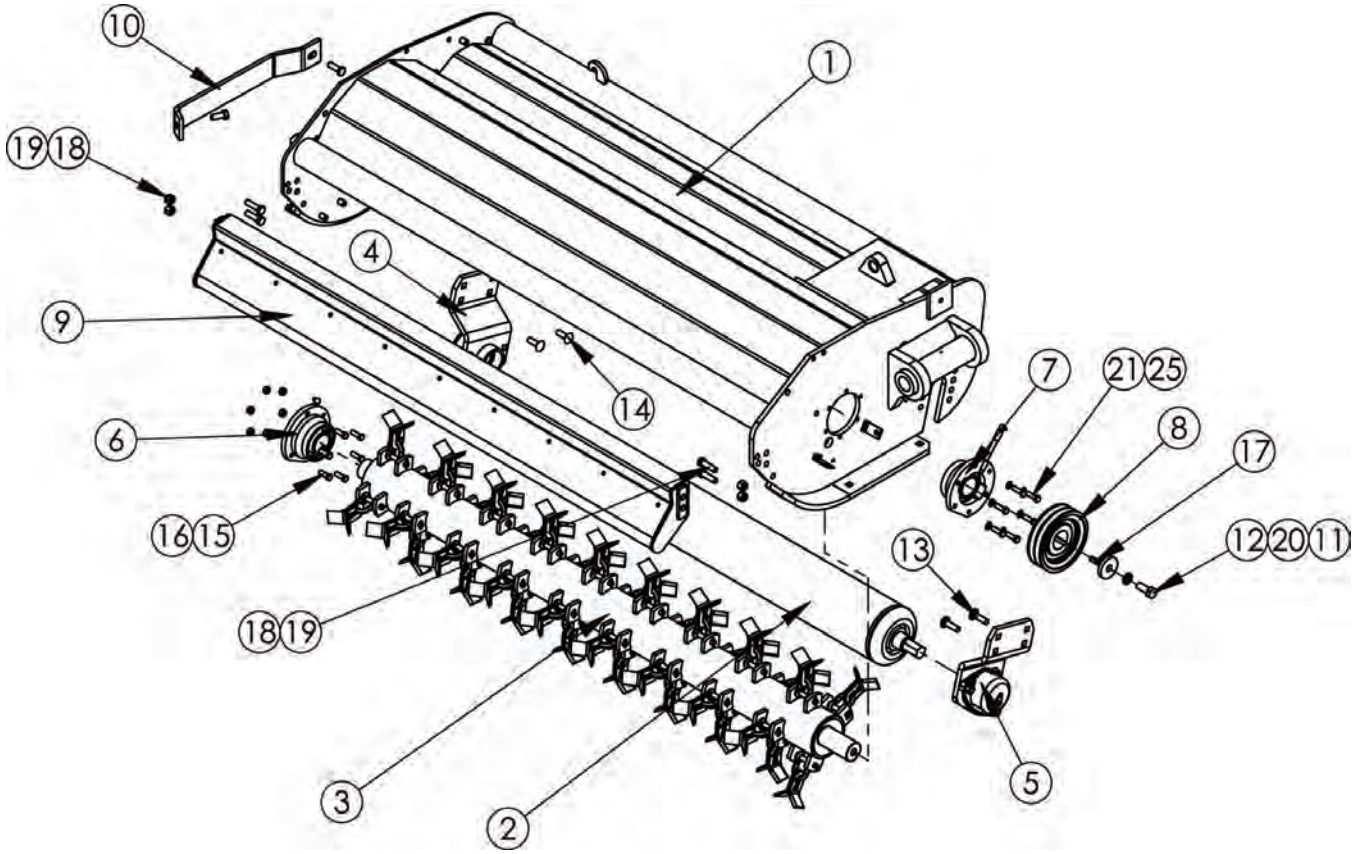
88 INCH CUTTERHOUSE ASSEMBLY ES PN 348704220



ITEM	PART NO.	QTY.	DESCRIPTION
1	348107628	1	WLDMT,CTRHSG,KSM88F
2	348107786	1	WLDMT- ROLLER 88 W/HEX SHAFT
3	348704221	1	ASY, CUTTERSHAFT, KSM88F, ES KNVS
4	348703977	1	ASY- ROLLER BRKT LH W/HEX BRG
5	348703978	1	ASY- ROLLER BRKT RH W/HEX BRG
6	348704305	1	BEARING, ASY, CUTTERSHAFT
7	348703695	1	BEARING, ASY, CUTTERSHAFT
8	34802976651	1	PULLEY, CUTTERSHAFT 1-15/16
9	348107258	1	WELDMENT FOOT GUARD-88"
10	348103064	1	FENDER
11	300100720	1	WASHER, CUTTERSHAFT
12	300000407	1	HHCS,5/8NF X 1-1/2 ZP5
13	300000516	2	CARB 1/2 NC 1-3/4 PL5
14	30002886900	2	CARB 1/2 NC 1-1/2 PL5
15	30002977821	6	HHCS 3/8 NF 1-1/8 PL8
16	30000015800	6	LOCKNUT TLM 3/8-NC PLC
17	300500066	1	KEY,SQUARE,1 X 3/8 SQ.
18	30002979042	4	LOCKNUT,SP INSET 1/2 NC PLB
19	30000749130	4	HHCS 1/2-13UNC 1-3/4 PL5
20	30000010300	1	HIGH ALLOY, L/W 5/8 YZ KG

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
21	30002972949	6	BOLT 3/8 NC GR8 X 1-1/4
22	30000750959	4	HHCS 1/2 x 1-1/2 NC GR5 PL
23	30002030700	1	HHCS 1/2 NC X 1 1/4 PL GR5
24	30000748823	1	HHCS 1/2-13UNC 1-1/2 GR.5 PL
25	300000841	6	LOCKWASHER,3/8 EXTERNAL TOOTH

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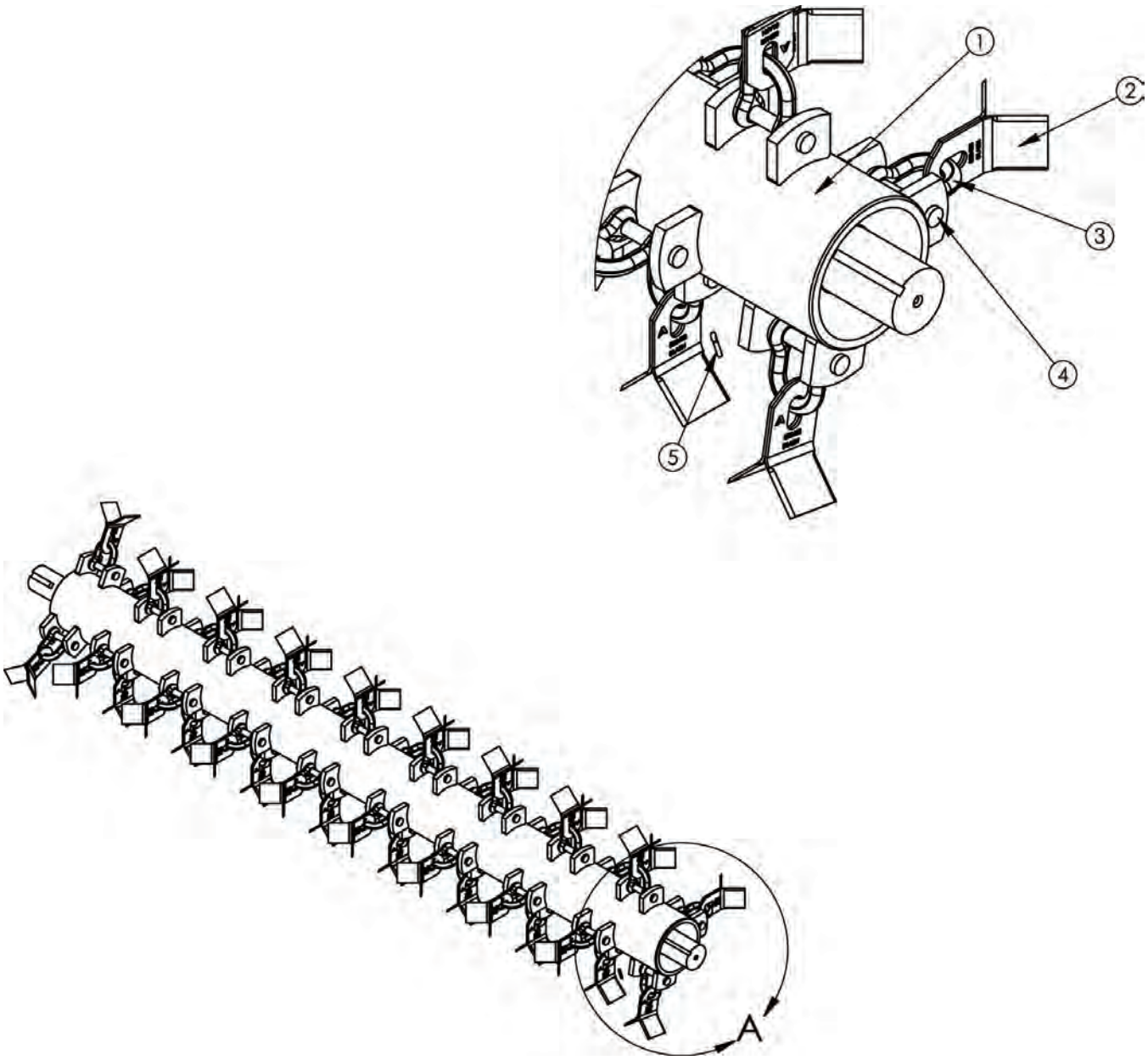
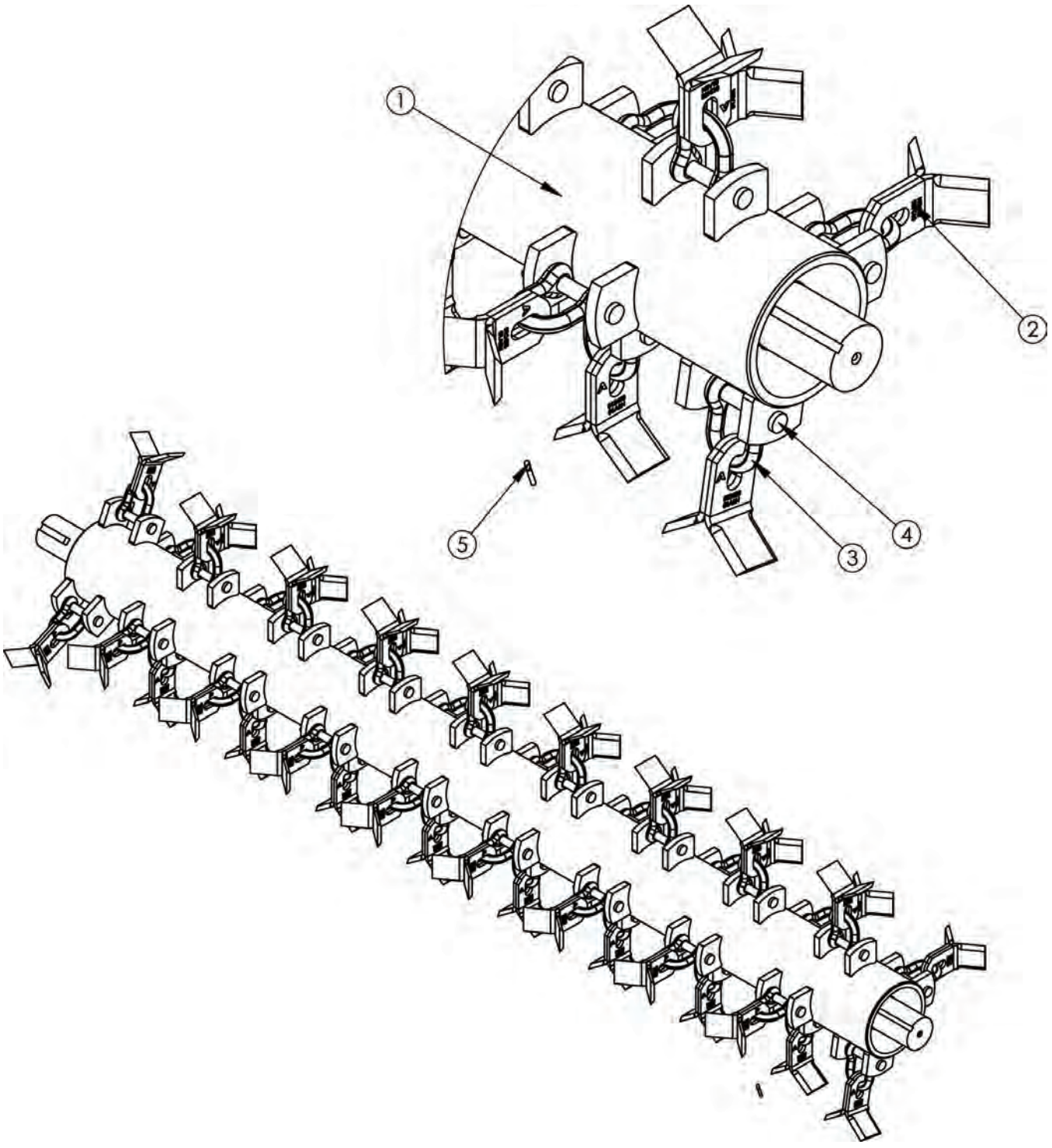
88 INCH CUTTERSHAFT ASSEMBLY CC PN 348702609



ITEM	PART NO.	QTY.	DESCRIPTION
1	348106151	1	WLDMT, CUTTERSHAFT, KSM88F
2	30002986332	72	COURSE CUT KNIFE
3	300100761	36	USE 348100761
4	300102670	36	USE 348102670
5	300000026	36	1/8X3/4 HAMMERLOCK COTTERPN<

88 INCH CUTTERSHAFT ASSEMBLY ES PN 348704221



ITEM	PART NO.	QTY.	DESCRIPTION
1	34810651	1	WLDMT, CUTTERSHAFT, KSM88F
2	30002986276	72	KNIFE,EXTREME SERVICE
3	300100761	36	USE 348100761

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
4	300102670	36	USE 348102670
5	300000026	36	1/8X3/4 HAMMERLOCK COTTERPN<

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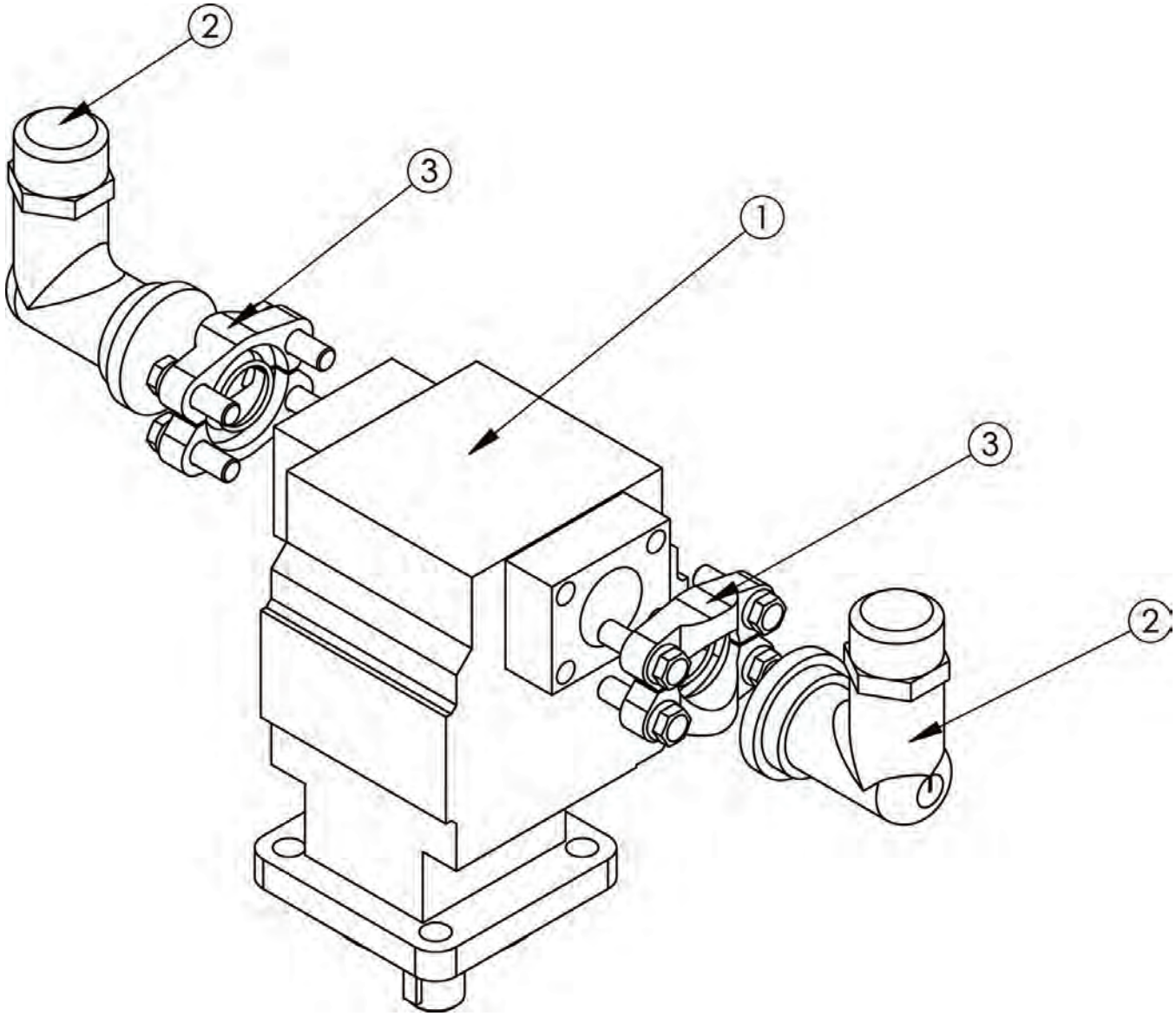
MOTOR ASSEMBLY KSMXXF PN 33802962020



ITEM	PART NO.	QTY.	DESCRIPTION
1	33002961678	1	MOTOR, GEAR, KSMxxF
2	33002961280	2	ADP,HYD 20FL-20MJ-90
3	30000749103	2	SPLIT FLG KIT #20

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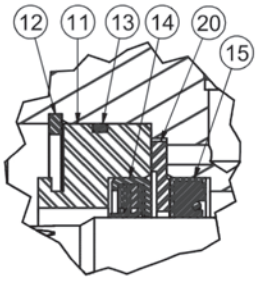
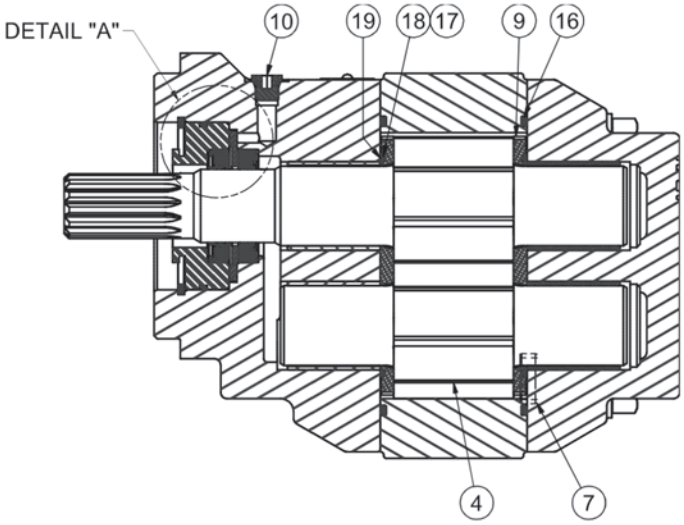
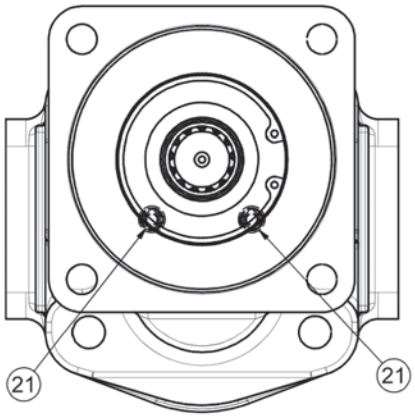
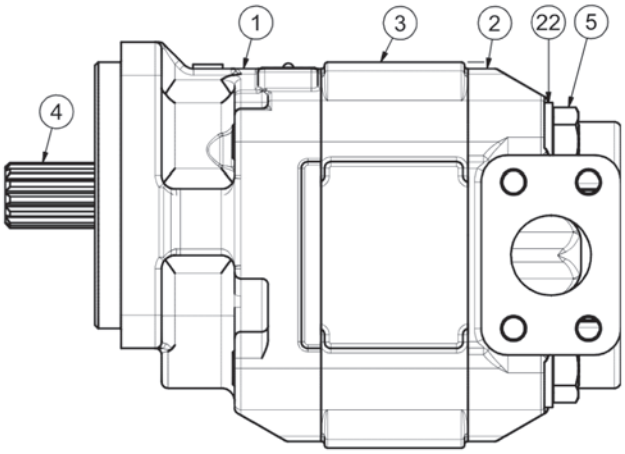
MOTOR PARTS - P/N 33802989903 (MODEL NO. 322-9210-107)

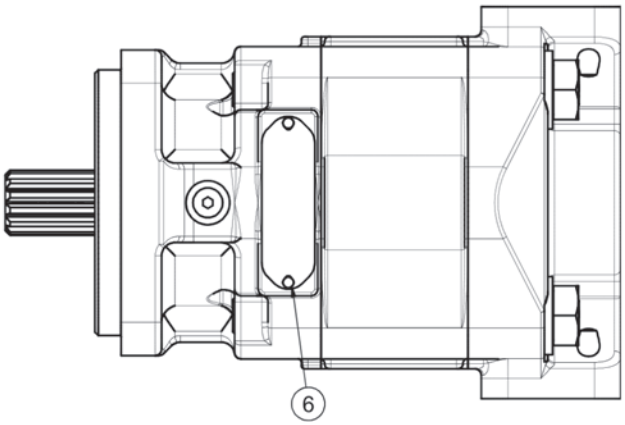


DETAIL "A"









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MOTOR PARTS - P/N 33802989903 (MODEL NO. 322-9210-107)

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
-----	33802989903	1	MOTOR, HYD, GEAR 8.0, HP SEAL
1	33802990065	1	HOUSING, SEC
2	33802961927	1	HOUSING, PEC
3	33802962288	1	HOUSING, GEAR
4	30002990066	1	SET, GEAR SHAFT
5	30002962197	4	CAP SCREW
6	30002987938	2	SCREW, DRIVE
7	30002962201	4	PIN, DOWEL
9	33802990067	2	THRPL
10	33802961940	1	PLUG, ODT (0.25)
11	33002962199	1	RTNR, SEAL
12	33002962200	1	RING, SNAP
13	33002990068	1	"O" RING
14	33000763766	1	SEAL, LIP
15	33002990069	1	SEAL, LIP
16	33002979965	2	SEAL, SQ-R
17	33002979964	4	SEAL, SIDE CHAN
18	33002979963	4	SEAL, END CHAN
19	33002979961	2	SEAL, BK-UP
20	33002990070	1	RTNR, SEAL
21	33002961931	2	CHECK ASSY
22	30002962196	4	WASHER
23	33002990071	1	SEAL KIT

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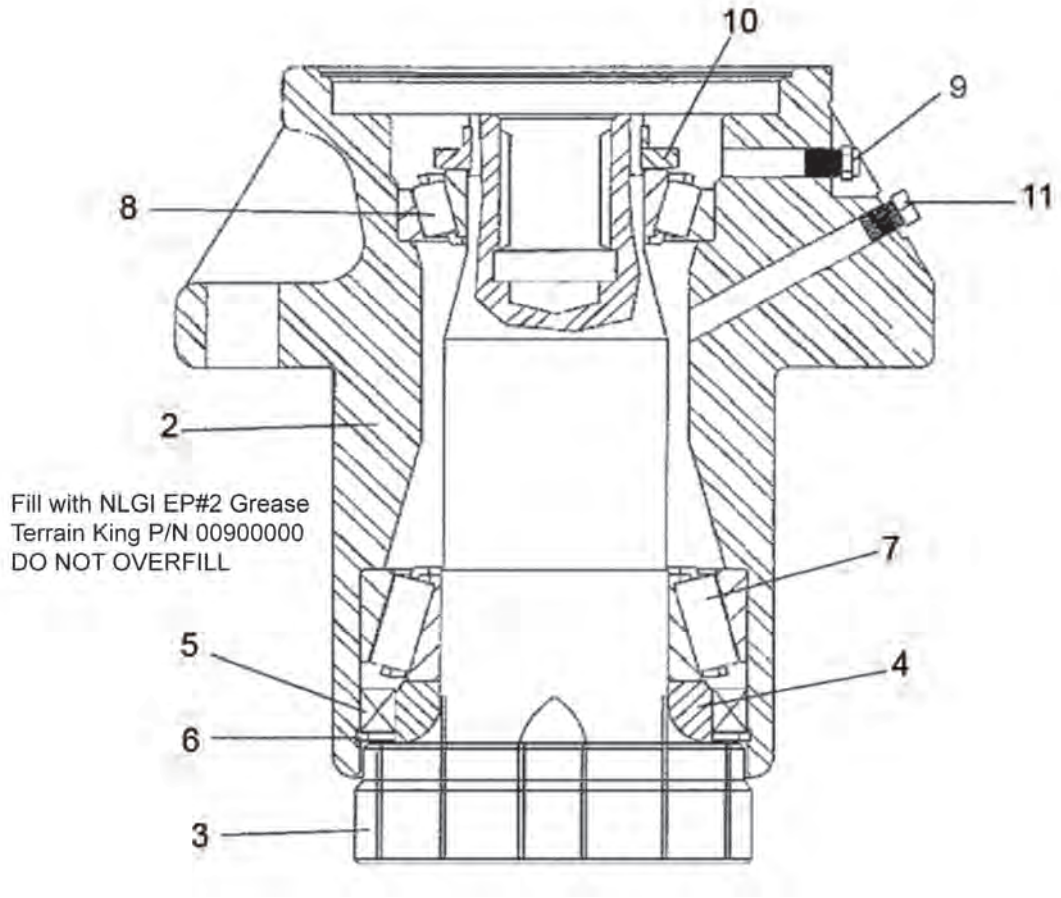
SPINDLE HOUSING & SPINDLE ASSY, P/N 34802960553C



ITEM	PART NO.	QTY.	DESCRIPTION
2	30002960562C	1	HOUSING
3	30002960561	1	SPINDLE -SPLINED
4	30002960558	1	BEARING RING
5	30002960559	1	SEAL
6	30000754627	1	SNAP RING
7	30002960557	1	SPINDLE CUP & CONE ASY
8	30000769938	1	BEARING,ROLLER-50 X 90 X 21.75
10	30002962030	1	LOCKNUT-SPINDLE BEARING
11	30000755633	2	PLUG
12	30002959018	1	GREASE RELIEF FITTING 1-5LBS
13	30000751731	1	REDUCER

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COMMON BOX PARTS - P/N 30002968382

ITEM	PART NO.	QTY.	DESCRIPTION
1	30000001800	1	LOCKNUT TLM 1/2 NC PLC
2	30000023500	9	FLATWASHER 5/16 PL
3	33000001849	1	HOSE #4 -4FJX90 - 4FJX -35LG
4	30000750940	6	LOCKNUT TLM 5/16 NC PLB
5	30000753013	1	HHCS 1/2 NC 3 PL8
6	30002733700	3	HHCS 5/16NC 4-1/2 PL5
7	33002823600	1	HOSE #4 - 4FJX - 4FJX - 28LG
8	33002839000	1	HOSE #4 - 4FJX - 4FJX - 64LG
9	30002880700	1	PIN-EXTENSION ARM
10	32002958203	1	WIRE HARNESS KIT, SOLENOID
11	30002962748	1	DECAL-ON-OFF SWITCH CUTTER VLV
12	32002964028	1	SWITCH, PUSH-PULL, W/KNOB
13	33002965475	1	HOSE #4 - 4FJX - 4FJX - 18LG
14	32802971191	1	WLDMNT, SWITCH MOUNT
15	30802971258	1	WLDMNT TRANSPORT HOOK
16	30002971482	1	DECAL VALVE OPERATION
17	32002981810	2	LEVER SHORT SNGL AXIS CONTROL
18	32002971274	2	KIT, CABLE CONNECTION V20 VALVE
19	30002044900	3	HHCS 5/16NC 2-3/4 PL5
20	30002971261	1	DWG INST CONTROL SYSTEM KSM60
21	34002992287	1	KIT, TOP BUMPER

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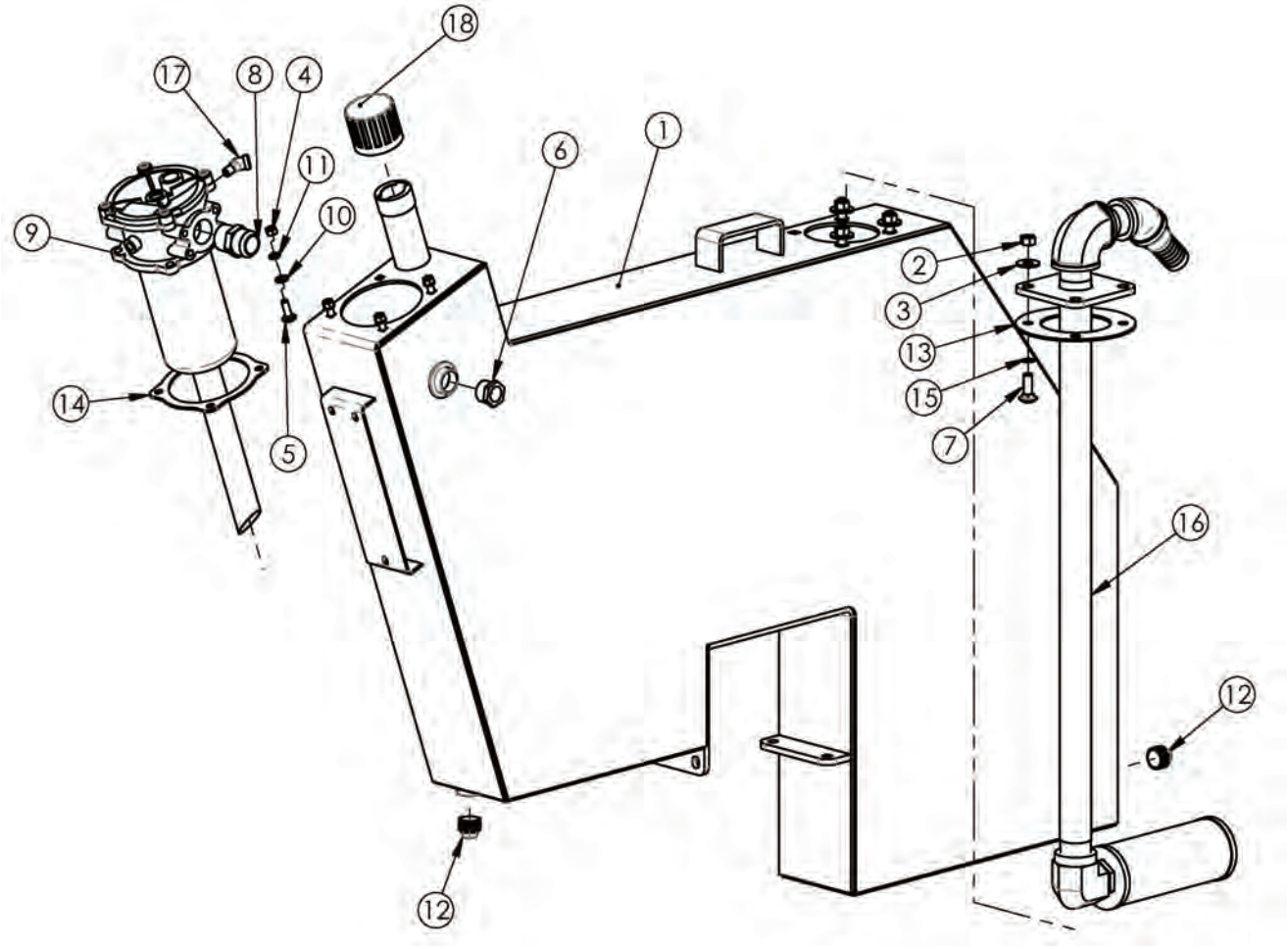
SUB ASSY, TANK



ITEM	PART NO.	QTY.	DESCRIPTION
1	-----	1	WLDMT. HYD TANK UNDER FENDER (TANK WILL VARY WITH TRACTOR MODELS)
2	30000001800	4	LOCKNUT TLM 1/2 NC PLB
3	30000002700	4	FLATWASHER, 1/2 PL STD
4	30000015800	4	LOCKNUT TLM 3/8 NC PLC
5	300000644	4	CARB 3/8 NC 1-1/4 PL5
6	33002049700	1	SIGHT GUAGE W/ REFLECTOR 16 MP
7	30002886900	1	CARB 1/2 NC 1-1/2 PL5
8	33002960809	1	ADP, HYD STGHT 20MP-20MJ
9	33002961000	1	FILTER ASSEMBLY
10	30002961255	4	PUSHNUT BOLT RETAINER 3/8
11	30002962864	4	WASHER, SEALING 3/8
12	30002963659	2	PLUG, MAGNETIC 1" NPT
13	33002963661	1	COVER PLATE GASKET
14	33002963662	1	GASKET, FILTER ASY, FIBER
15	30063161900	4	SPRING NUT 1/2
16	-----	1	ASY SUCTION 38"

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
17	-----	1	PIPE ELBOW 4MP-4FP 45
18	33002980215	1	BREATHER, CAP W/RING

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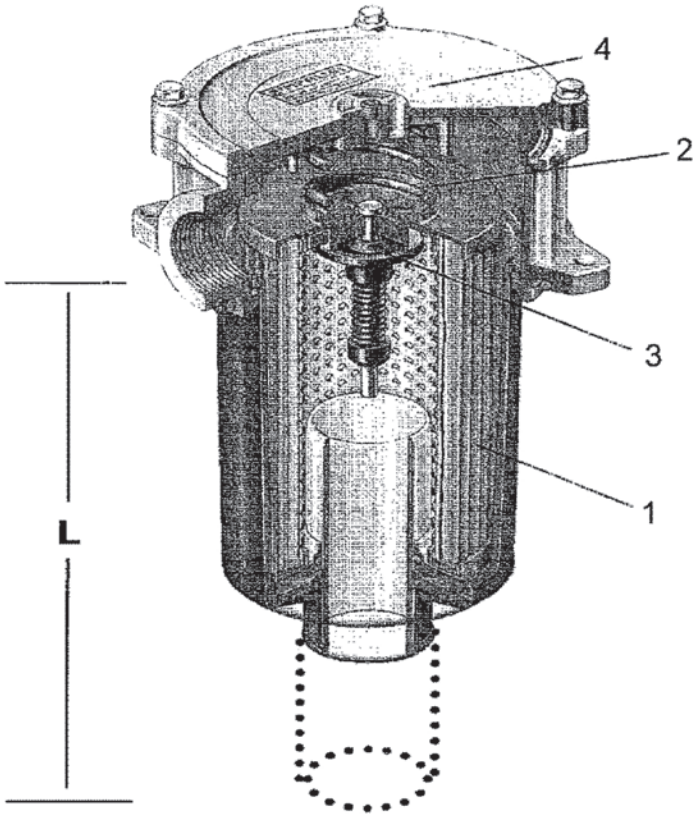
FILTER ASY - UNDER FENDER TANK P/N 33802961000



ITEM	PART NO.	QTY.	DESCRIPTION
-----	33802961000	1	FILTER ASY
1	33002961001	1	FILTER ELEMENT
2	33002972678	1	SPRING
3	33002973782	1	FILTER BYPASS, VALVE
4	33002978349	1	FILTER COVER
-----	33002978354	1	SEAL KIT (NOT SHOWN)
	33002978355	1	NUT (NOT SHOWN)
	33002961452	1	O-RING (NOT SHOWN)

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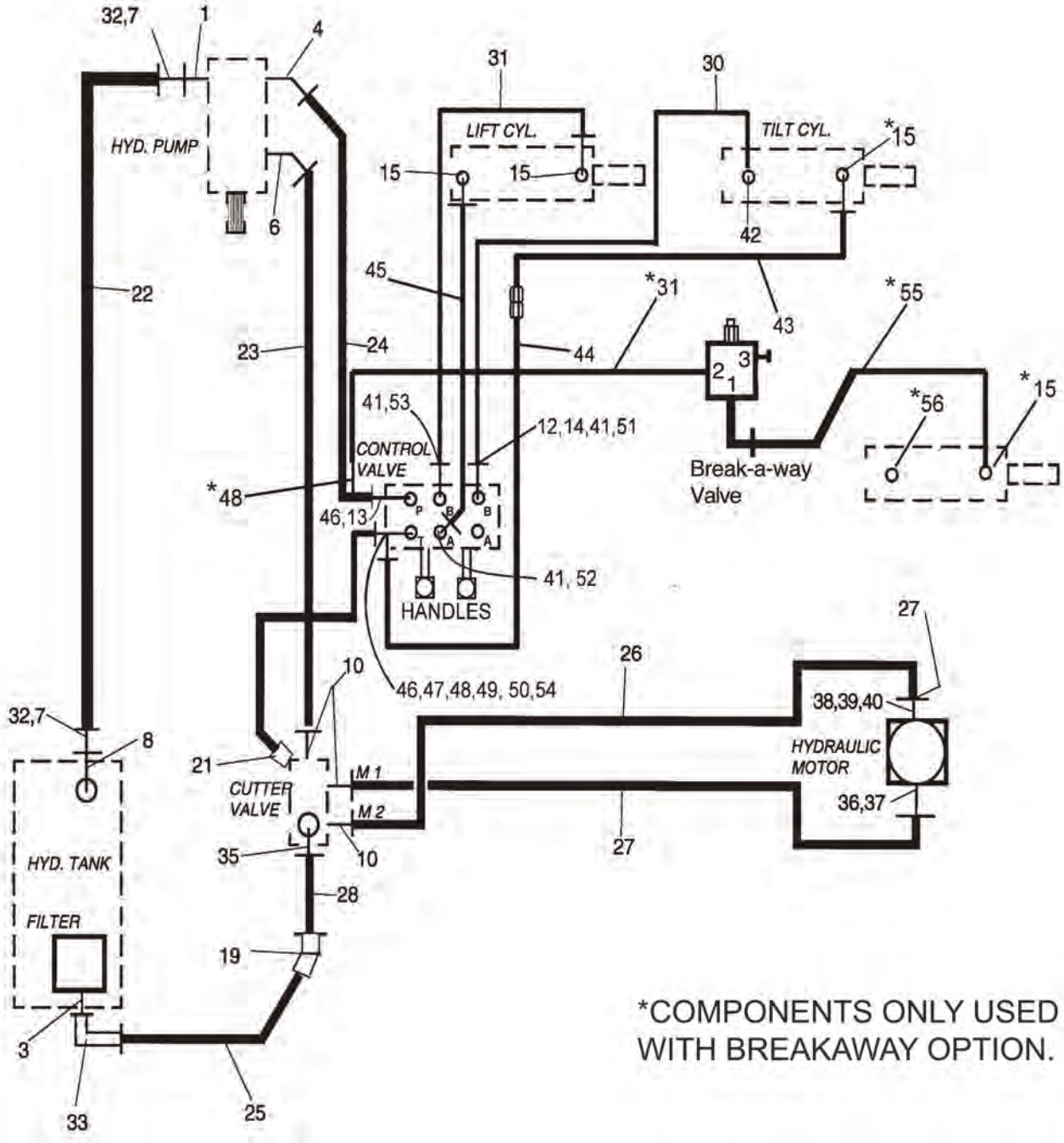
KSM60 HYDRAULIC SYSTEM (PART 1)



ITEM	PART NO.	QTY.	DESCRIPTION
1	33802827700	1	FLANGE KIT
2	33802961000	1	IN-TANK FILTER
3	33002961001	1	FILTER ELEMENMT

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
-----	33002961001	1	FILTER ELEMENMT
3	33002960809	1	ADAPTER
4	33002962214	1	ELBOW
6	33002961825	2	ADAPTER
7	33002411000	2	HOSE BIB
8	33002047200	1	ELBOW
10	33002960807	3	ADAPTER
11	33002889500	1	ADAPTER
12	33002969398	1	ORIFICE PLATE
13	30002968828	1	VINYL TAPE RED 1/2" WIDE
14	33002972159	1	STRAIGHT ADAPTER
15	33002890900	4	*ELBOW
19	33002889700	1	ELBOW - 45 DEGREES
21	33063042700	1	ADAPTER
22	33002982751	1	HOSE-TANK TO PUMP
23	33002972574	1	HOSE-PUMP TO CUTTER VALVE
24	33002982765	1	HOSE-PUMP TO CONTROL VALVE
25	33002977013	1	HOSE-FILTER TUBE TO TEE
26	33002961287	1	HOSE-CUTTER VALVE TO MOTOR
27	33002992253	1	HOSE-MOTOR TO CUTTER VALVE
28	33002961148	1	HOSE-CUTTER VALVE TO TEE
29	33061026400	1	HOSE-CONTROL VALVE TO CUTTER VALVE (CUTTER UNITS)
30	33002839000	1	HOSE- CONTROL VALVE TO TILT CYLINDER (CAB UNITS)
31	33002823600	1	*HOSE-CONTROL VALVE TO LIFT CYLINDER (CAB UNITS)
32	30002026200	2	HOSE CLAMP
33	33002960409	2	FILTER RETURN TUBE
35	33002961003	2	ADAPTER
36	33002961028	2	ELBOW

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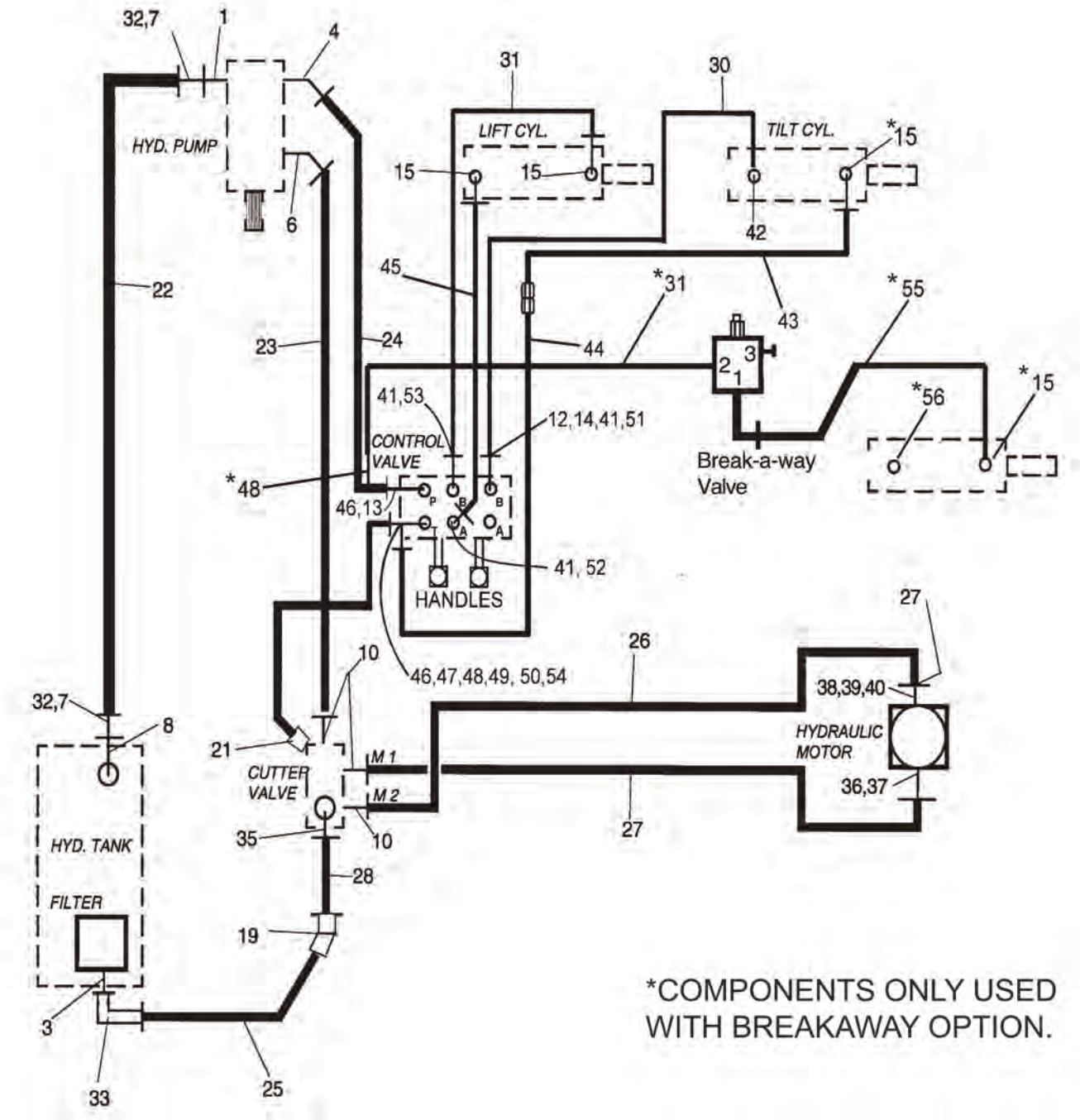
KSM60 HYDRAULIC SYSTEM (PART 2)



ITEM	PART NO.	QTY.	DESCRIPTION
37	33800749101	2	SPLIT FLANGE KIT
39	33000751731	1	REDUCER
41	33002962249	2	ELBOW

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Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
43	330001849	2	HOSE WITH #4MJ
45	33002823600	1	HOSE
46	33063042700	1	STRAIGHT ADAPTER
47	33002761100	1	ELBOW
48	33002967150	1	*TEE
49	33002967151	1	STRAIGHT ADAPTER
50	30002968830	1	VINYL TAPE BLUE 1/2" WIDE
51	30002968831	1	VINYL TAPE BLUE 1/4" WIDE
52	30002968832	1	VINYL TAPE GREEN 1/2" WIDE
53	30002968833	1	VINYL TAPE GREEN 14" WIDE
54	30002968834	1	VINYL TAPE ORANGE 1/2" WIDE
55	300001848	1	*HOSE
56	3300034900	1	*PLUG

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TERRAIN KING

Limited Warranty

1. Limited Warranties

1.01. Terrain King ("Manufacturer") warrants for one year from the purchase date to the original non-commercial, governmental, or municipal purchaser and warrants for six months to the original commercial or industrial purchaser ("Purchaser", as applicable) that the goods purchased are free from defects in material or workmanship.

1.02. Manufacturer will replace for the Purchaser any part or parts found, upon examination at one of its factories, to be defective under normal use and service due to defects in material or workmanship during the applicable warranty period.

1.03. This limited warranty does not apply to any part of the goods which has been subjected to improper or abnormal use, negligence, alteration, modification, or accident, damaged due to lack of maintenance or use of wrong fuel, oil, or lubricants, or which has served its normal life. This limited warranty does not apply to any part of any internal combustion engine, or expendable items such as blades, shields, guards, or pneumatic tires except as specifically found in your operator's manual.

1.04. No employee, agent, dealer, or other person is authorized to give any warranties of any nature on behalf of Manufacturer.

2. Remedies And Procedures

2.01. This limited warranty is not effective unless the purchaser returns the registration and warranty form to Manufacturer within 30 days of purchase.

2.02. Purchaser claims must be made in writing to the authorized dealer ("dealer") from whom Purchaser purchased the goods or an approved authorized dealer ("dealer") within 30 days after Purchaser learns of the facts on which the claim is based.

2.03. Purchaser is responsible for returning the goods in question to the dealer.

2.04. If after examining the goods and/or parts in question, Manufacturer finds them to be defective under normal use and service due to defects in material or workmanship, Manufacturer will:

(A) repair or replace the defective goods or part(s) or

(B) reimburse Purchaser for the cost of the part(s) and reasonable labor charges (as determined by Manufacturer) if Purchaser paid for the repair and/or replacement prior to the final determination of applicability of the warranty by Manufacturer. The choice of remedy shall belong to Manufacturer.

2.05. Purchaser is responsible for any labor charges exceeding a reasonable amount as determined by Manufacturer and for returning the goods to the dealer, whether or not the claim is approved. Purchaser is responsible for the transportation cost for the goods or part(s) from the dealer to the designated factory.

3. Limitation Of Liability

3.01. MANUFACTURER DISCLAIMS ANY EXPRESS (EXCEPT AS SET FORTH HEREIN) AND IMPLIED WARRANTIES WITH RESPECT TO THE GOODS INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

3.02. MANUFACTURER MAKES NO WARRANTY AS TO THE DESIGN, CAPABILITY, CAPACITY, OR SUITABILITY FOR USE OF THE GOODS.

3.03. EXCEPT AS PROVIDED HEREIN, MANUFACTURER SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO PURCHASER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS, OR DAMAGE CAUSED OR ALLEGED TO BE CAUSED DIRECTLY OR INDIRECTLY BY THE GOODS INCLUDING, BUT NOT LIMITED TO, ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES RESULTING FROM THE USE OR OPERATION OF THE GOODS OR ANY BREACH OF THIS WARRANTY. NOT WITHSTANDING THE ABOVE LIMITATIONS AND WARRANTIES, MANUFACTURER'S LIABILITY HEREUNDER FOR DAMAGES INCURRED BY PURCHASER OR OTHERS SHALL NOT EXCEED THE PRICE OF THE GOODS.

3.04. NO ACTION ARISING OUT OF ANY CLAIMED BREACH OF THIS WARRANTY OR TRANSACTIONS UNDER THIS WARRANTY MAY BE BROUGHT MORE THAN TWO (2) YEARS AFTER THE CAUSE OF ACTION HAS OCCURRED.

4. Miscellaneous

4.01. Proper venue for any lawsuits arising from or related to this limited warranty shall be only in Guadalupe County, Texas.

4.02. Manufacturer may waive compliance with any of the terms of this limited warranty, but no waiver of any terms shall be deemed to be a waiver of any other term.

4.03. If any provision of this limited warranty shall violate any applicable law and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provisions herein.

4.04. Applicable law may provide rights and benefits to Purchaser in addition to those provided herein.

Keep for your records

Attention: Purchaser should fill in the blanks below for his reference when buying repair parts and/or for proper machine identification when applying for warranty.

Terrain King Implement Model _____ Serial Number _____
Date Purchased _____ Dealer _____

Attention:
Read your operator's manual

TERRAINKING™
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Terrain King
1502 E WALNUT ST
SEGUIN TX 78155-5202
800-882-5756

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TO THE OWNER/OPERATOR/DEALER

To keep your implement running efficiently and safely, read your manuals thoroughly and follow these directions and the Safety Messages in this Manual. The Table of Contents clearly identifies each section where you can easily find the information you need.

The OCCUPATIONAL SAFETY AND HEALTH ACT (1928.51 Subpart C) makes these minimum safety requirements of tractor operators:

REQUIRED OF THE OWNER

1. Provide a Roll-Over-Protective Structure that meets the requirements of this standard.
2. Provide seat belts that meet the requirements of this paragraph of this standard and SAE J4C.
3. Ensure that each employee uses such seat belt while the tractor is moving.
4. Ensure that each employee tightens the seat belt sufficiently to confine the employee to the protected area provided by the ROPS.

REQUIRED OF THE OPERATOR

1. Securely fasten seat belt if the tractor has a ROPS.
2. Where possible, avoid operating the tractor near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going, especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the tractor smoothly, no jerky turns, starts, or stops.
8. Hitch only to the draw bar and hitch points recommended by the tractor manufacturer.
9. When the tractor is stopped, set brakes securely and use park lock, if available.

☑ **Keep children away from danger all day, every day...**

☑ **Equip tractors with rollover protection (ROPS) and keep all machinery guards in place...**

☑ **Please work, drive, play and live each day with care and concern for your safety and that of your family and fellow citizens.**

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