



472/484

Rotary Mower

Rev 11-12

Part No.00781404P

PART'S MANUAL



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 Servis-Rhino (800-446-5158) to obtain a Free copy before operating the equipment.



¡ATENCIÓN!

LEA EL INSTRUCTIVO

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



RHINO®

1020 S. Sangamon Ave.
Gibson City, IL 60936
800-446-5158

Email: parts@servis-rhino.com

© 2008 Alamo Group Inc.



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!



DANGER

FAILING TO FOLLOW SAFETY MESSAGES AND OPERATING INSTRUCTIONS CAN CAUSE SERIOUS BODILY INJURY OR EVEN DEATH TO OPERATOR AND OTHERS IN THE AREA.

1.



2. NO RIDERS. NO CHILDREN OPERATORS.



3. USE SAFETY SHOES, HARD HAT, SAFETY GLASSES, SEAT BELTS, & ROPS.



4. BLOCK UP SECURELY BEFORE WORKING UNDER.



1. Study and understand Operator's Manuals, Safety Signs, and Instructional Decals for tractor and implement to prevent misuse, abuse and accidents.

- Learn how to stop engine suddenly in an emergency. Be alert for passersby and especially children.

2. Allow no children on or near implement or tractor. Allow no riders on tractor or implement. Falling off may cause serious injury or death from being run over by tractor or cutter or contact with rotating blades.

3. Operate only with tractor having Roll-Over Protective Structure (ROPS) and with seatbelt fastened securely and snugly to prevent injury and possible death from falling off or tractor overturn. Personal Protective Equipment such as Hard Hat, Safety Glasses, Safety shoes, and Ear Plugs are recommended.

4. Block up or support raised machine and all lifted components securely before putting hands or feet under or working underneath any lifted components to prevent crushing injury or death from sudden dropping or inadvertent operation of controls. Make certain area is clear before lowering or folding.

5. Before transporting, put Lift Lever in detent or full-lift position. Secure the implement for transport by installing Cylinder Stops or Transport Pin on pull-type implement center axle and Wing Transport Locks on folding implements.

- Attach Safety Chain to cutter and towing unit securely. See Operator's Manual.

6. Make certain that SMV sign, Warning Lights, and Reflectors are clearly visible. Follow local traffic codes.

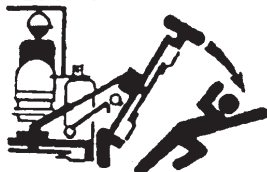
7. Never operate with Cutting Head raised if passersby, bystanders, or traffic are in the area to reduce possibility of injury or death from objects thrown by Blades under Guards or cutter structure.

8. Before dismounting, secure implement in transport position or lower to ground.

- Put tractor in park or set brake, disengage PTO, stop engine, and remove key, and wait until noise of rotation has ceased to prevent entanglement in rotating parts which can cause injury or death.

- Never mount or dismount a moving vehicle. Crushing from runover may cause injury or death.

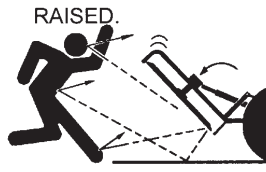
5. TRANSPORT SAFELY, LOCK UP.



6. USE SMV, LIGHTS, & REFLECTORS.



7. DO NOT OPERATE WITH CUTTER OR WING RAISED.



8. DO NOT MOUNT OR DISMOUNT WHILE MOVING.



226-316

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.

PARTS SECTION

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.

NOTE: Please refer to The Safety Section in the front of this Manual for the proper Part Number when ordering Replacement Safety Decals.



For maximum safety and to guarantee optimum product reliability, always use genuine Servis-Rhino 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:

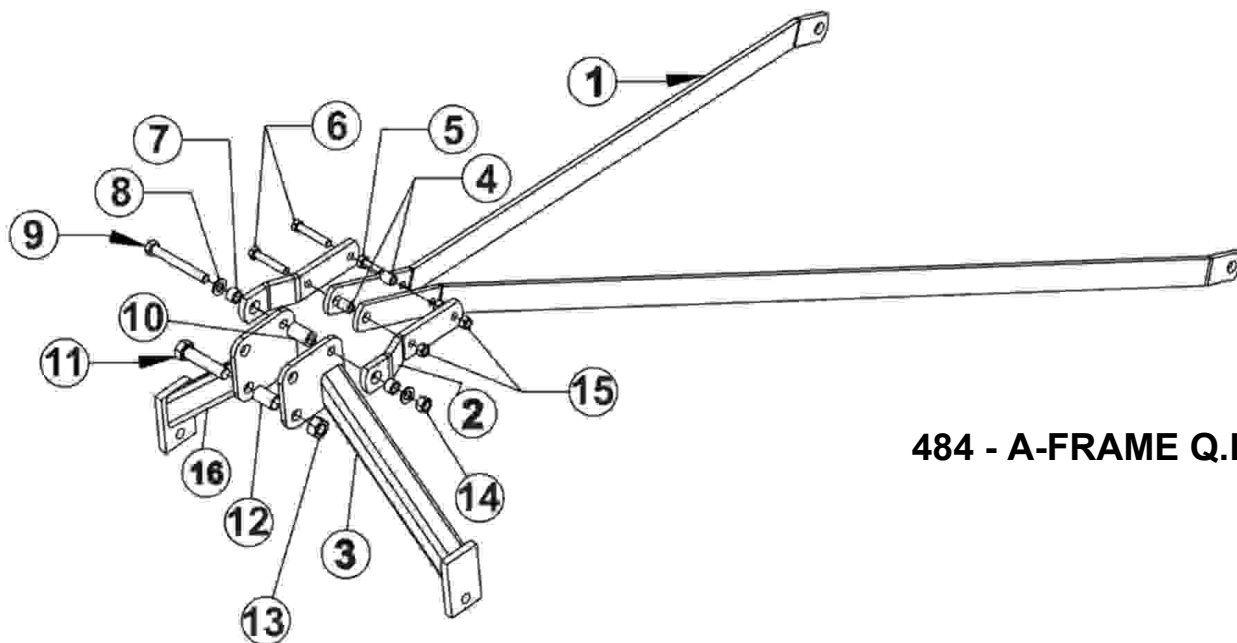


RHINO®
1020 S. Sangamon Ave.
Gibson City, IL 60936
800-446-5158
Email: parts@servis-rhino.com

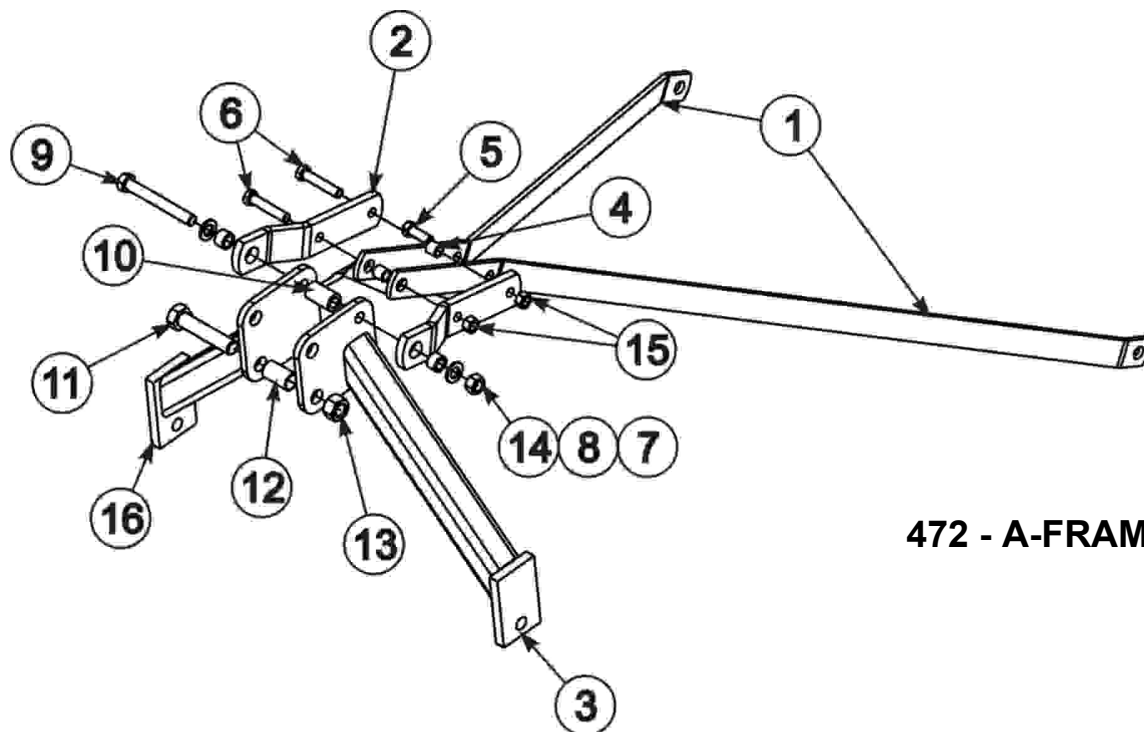
PART NAME INDEX

A-FRAME QUICK HITCH ASSEMBLY 472/484.....	4
A-FRAME QUICK HITCH ATTACHMENT 472/484.....	6
AXLE ASSEMBLY PULL TYPE.....	8
BLADE PAN ASSEMBLY 472/484.....	10
CHAINGUARD ASSEMBLY - FRONT.....	11
CHAINGUARD ASSEMBLY - REAR.....	12
DOUBLE CHAINGUARD ASSEMBLY - FRONT	13
DOUBLE CHAINGUARD ASSEMBLY - REAR	14
DRIVELINE ASSEMBLY CV.....	15
DRIVELINE ASSEMBLY CAT-5 472/484 LIFT TYPE.....	16
DRIVELINE ASSEMBLY - JACKSHAFT.....	17
DRIVELINE ASSEMBLY - SLIP CLUTCH CAT 5 484.....	18
GEARBOX ASSEMBLY 00777838P 472.....	19
GEARBOX ASSEMBLY 00777842P 484.....	21
GEARBOX ATTACHMENT 472/484.....	23
HUB ASSEMBLY - PULL.....	24
HUB ASSEMBLY - LIFT.....	25
HYDRAULIC CYLINDER.....	26
SKID SHOE ASSEMBLY.....	27
TAILWHEEL ASSEMBLY 472.....	28
TAILWHEEL ASSEMBLY 484.....	29
TAILWHEEL ASSEMBLY 484 - DUAL.....	30
TONGUE ASSEMBLY 484 - PULL TYPE	31
CURRENT JACKSHAFT SUPPORT ASSEMBLY 484 - PULL TYPE	33

A-FRAME QUICK HITCH ASSEMBLY 472/484



484 - A-FRAME Q.H.



472 - A-FRAME Q.H.

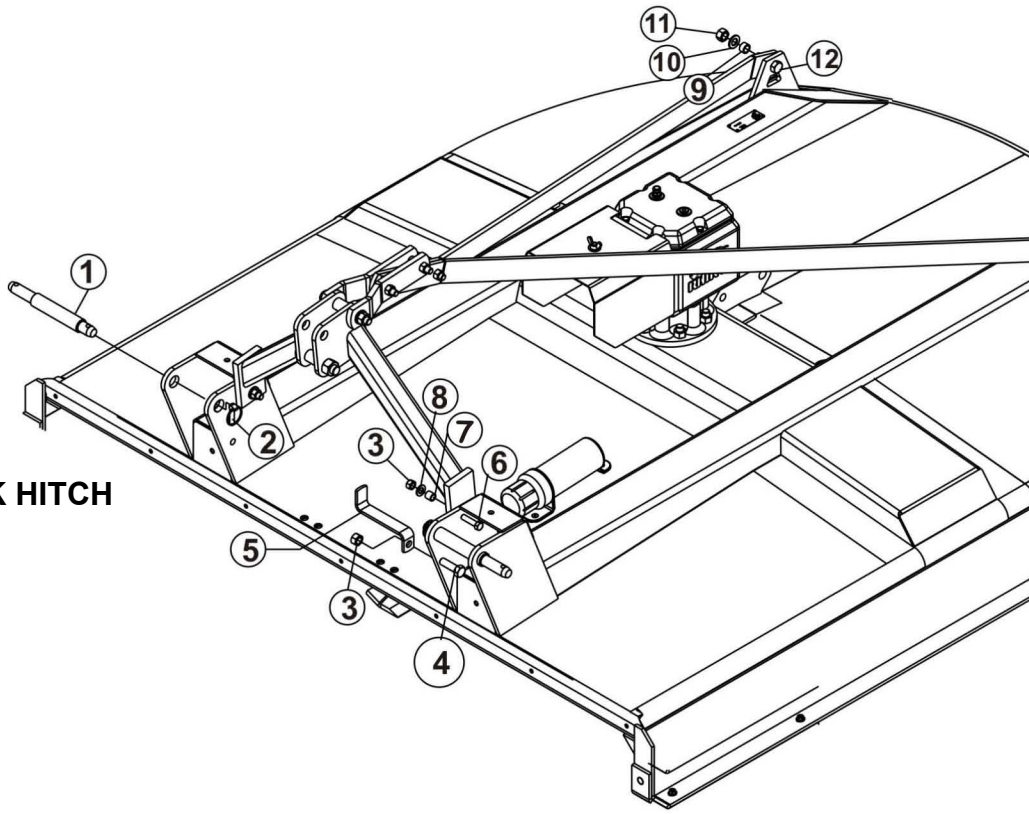
A-FRAME QUICK HITCH ASSEMBLY 472/484

Continued...

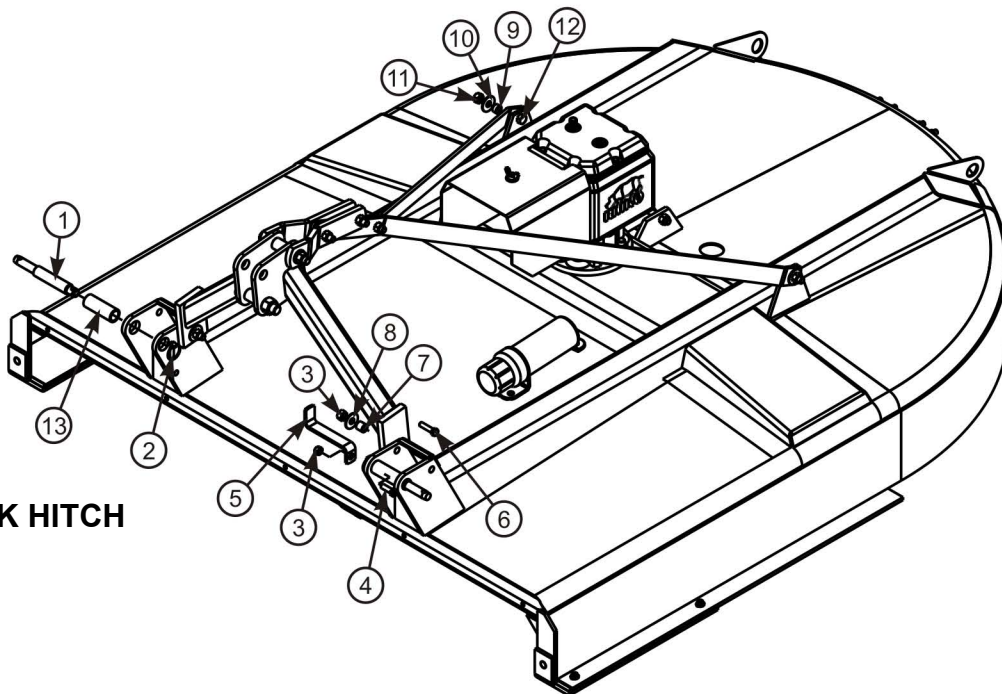
ITEM	PART NO.	QTY.	DESCRIPTION
1	00780585	2	FLAT REAR BRACE 472
	00781069	2	FLAT REAR BRACE 484
2	00781196	2	FLAT QUICK HITCH TOGGLE 472 / 484
3	00780959	1	WELDMENT, RH A-FRAME 472 / 484
4	00780592	2	BUSHING, A-FRAME TOGGLE 472
	00761199	2	SPACER TUBE 484
5	00760711	1	HHCS 5/8 - 11NC 1 -3/4 PL5 472
	02845500	1	BOLT, 5/8 X 2 484
6	00600700	2	HEXB 5/8 NC 3-1/4 PL5 472
	00750311	2	HEXB 5/8 NC 3-1/2, ZP GRD5 484
7	361125	2	SPACER -25/32 X 1-1/8 X 3/4 LG 472 / 4 84
8	5312316	2	WASHER, 3/4" HARDENED 472 / 484
9	02025700	1	HHCS 3/4NC X 6 PL5 472 / 484
10	0758550030	1	SPACER 427 / 484
11	7AH5161436	1	HHCS 1-14 x 4 1/2 PL5 472/484
12	0758550031	1	BUSHING 472 / 484
13	5JRC16140	1	NUT, 1-14" TOPLOCK 472/484
14	00037200	4	LOCKNUT 3/4-NC TLM PLC 472 / 484
15	00695100	4	NUT, 5/8 NC TOPLOCK 472 / 484
16	00780954	1	WELDMENT LH A-FRAME 472
	00781194	1	WELDMENT LH A-FRAME 484

A-FRAME QUICK HITCH ATTACHMENT 472/484

484 - QUICK HITCH



472 - QUICK HITCH

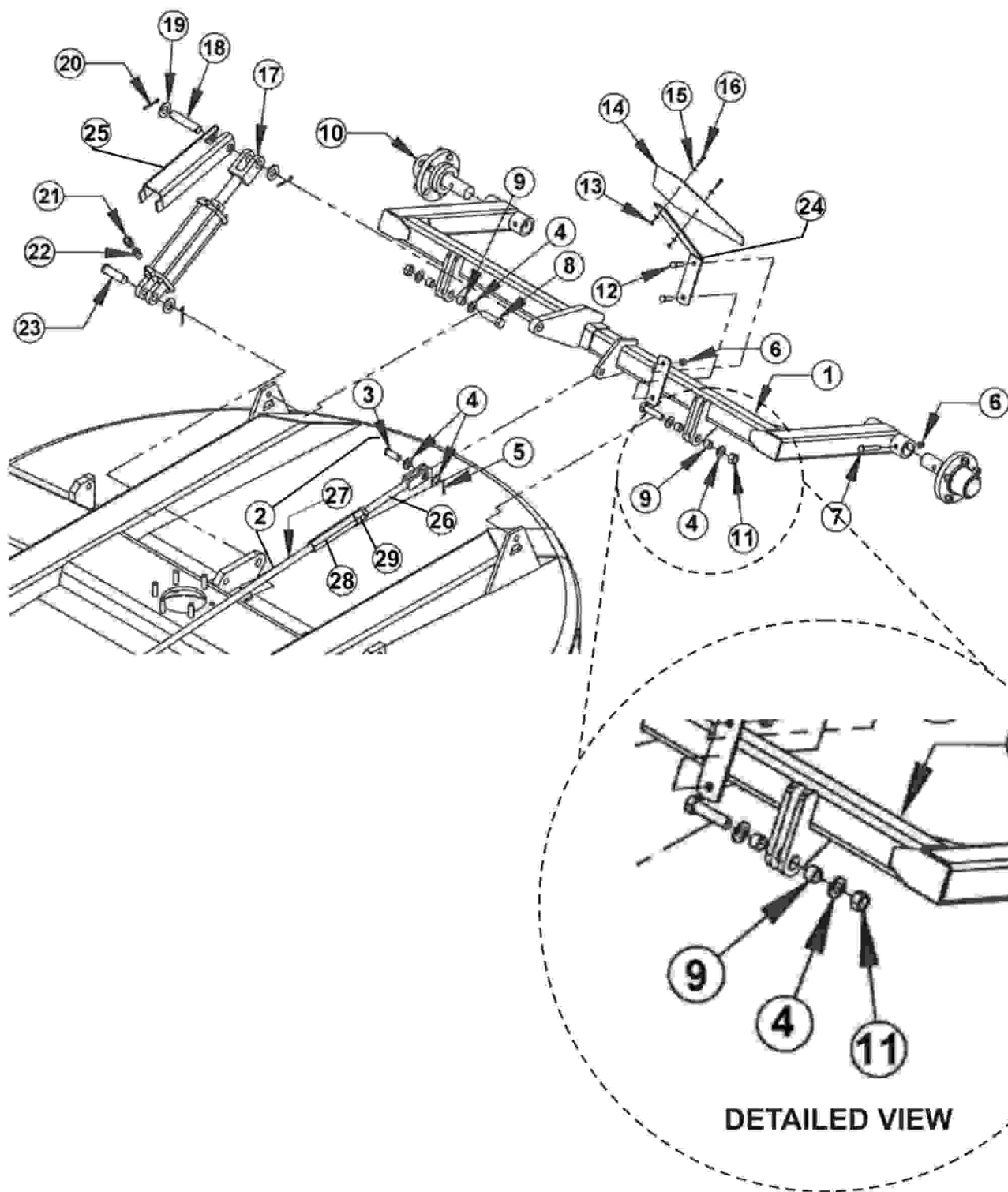


A-FRAME QUICK HITCH ATTACHMENT 472/484

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00775243	2	PIN WRIST CAT 1&2 - 472
	69141	2	HITCH PIN CAT II & III - 484
2	2196	2	CLIP LYNCH PIN 13-32 DIA. - 427/484
3	00695100	4	NUT, 5/8 NC TOPLOCK - 472/484
4	00748823	1	HHCS, 1/2-13NC X 1-1/2 PL5 - 472/484
5	00780663	1	FLAT DRIVELINE STORAGE - 472/484
6	00759636	2	HHCS 5/8NC 2-1/2 PLAIN5 - 472/484
7	00780592	2	BUSHING, A-FRAME TOGGLE - 472/484
8	00756077	2	5/8 HARDNENED WASHER - 472/484
9	00761724	2	BUSHING HITCH - 472
	511016	2	BUSHING HITCH - 484
10	00756077	2	5/8 HARDNENED WASHER - 472
	5312316	2	WASHER, 3/4' HARDENED - 484
11	00695100	2	NUT, 5/8 NC TOPLOCK - 472
	00037200	2	LOCKNUT 3/4-NC TLM PLC - 472/484
12	02845500	2	BOLT, 5/8 X 2 - 472
	00037100	2	HEXB 3/4 NC 2-1/2 PL5 - 484
13	00785238	2	BUSHING, QUICK HITCH CAT II - 472

AXLE ASSEMBLY PULL TYPE - 484

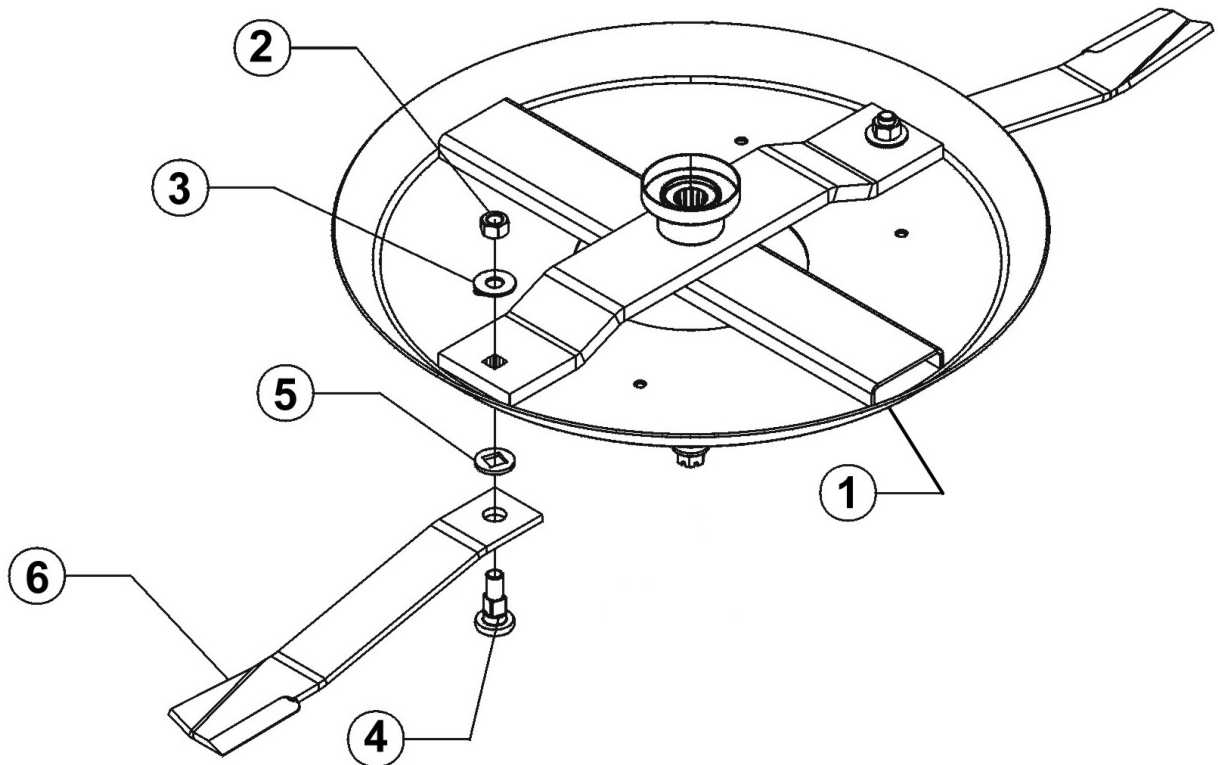


AXLE ASSEMBLY PULL TYPE - 484

Continued...

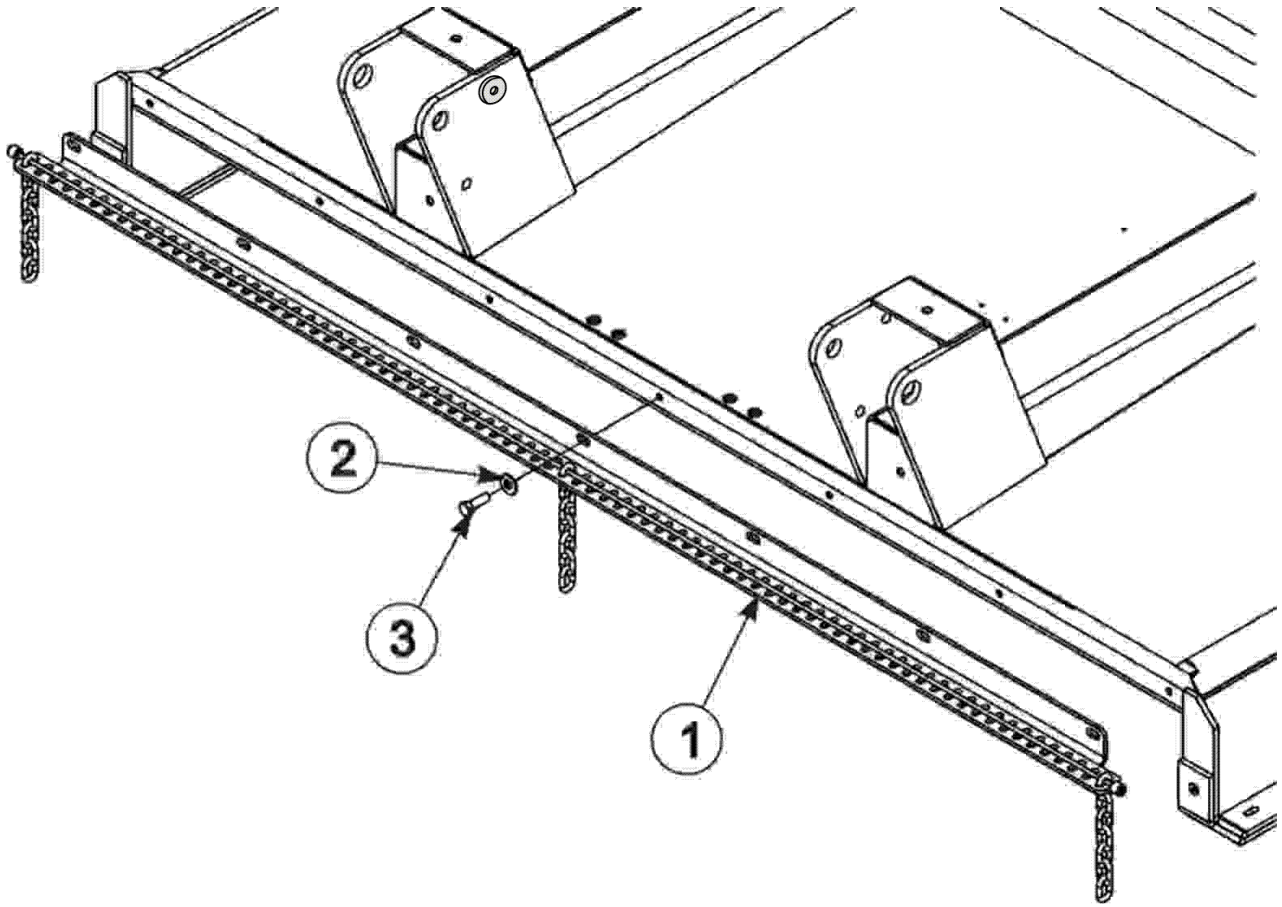
ITEM	PART NO.	QTY.	DESCRIPTION
1	00781149	1	WDMT, AXLE - 484
2	00781178	1	ASY, LEVEL ROD - 484
3	651102	2	PIN, DRILLED
4	00002701	2	FLATWASHER, 3/4, TYPE AW, ZP
5	00755153	2	PIN, COTTER 3/16 X 1-1/2 PLATED
6	00001800	2	LOCKNUT TLM 1/2 NC PLB
7	00764375	2	HHCS 1/2NC X 3-1/4 PL5
8	00007800	2	HEXB 3/4 NC 3 PL5
9	511016	4	BUSHING
10		2	SEE PARTS SECTION 25
11	00037200	2	NUT 3/4-NC TOPLOCK GRC PL
12	00748823	2	HHCS, 1/2 - 13NC X 1-1/2 PL5
13	02959924	2	NUT, 1/4" NC
14	03200347	1	EMBLEM, SMV
15	00024100	4	1/4" FLATWASHER
16	10058000	2	HHCS 1/4 NC 1 PL5
17		1	SEE PART SECTION 23 FOR HYDRAULIC CYLINDER
18	103266	1	CYLINDER PIN
19	02822500	2	FLATWASHER 1 PL STD
20	00606000	4	PIN, COTTER 3/16 X 2
21	7329	1	ADAPTER, HYD, STGHT
22	0652141311	1	STRAIGHT ADAPTER 8MP-8MJ
23	8354	1	PIN, HYD. CYLINDER
24	00785646	1	SMV BRACKET
25	00777963	1	TRANSPORT LOCK PLATE
26	00758643	1	ROD, CONTROL
27	00781177	1	WELDMENT LONG LEVEL ROD
28	00778159	1	NUT, 9" ADJUSTING
29	5C1490	1	HEXNUT, 7/8 JAM ZP

BLADE PAN ASSEMBLY 472/484



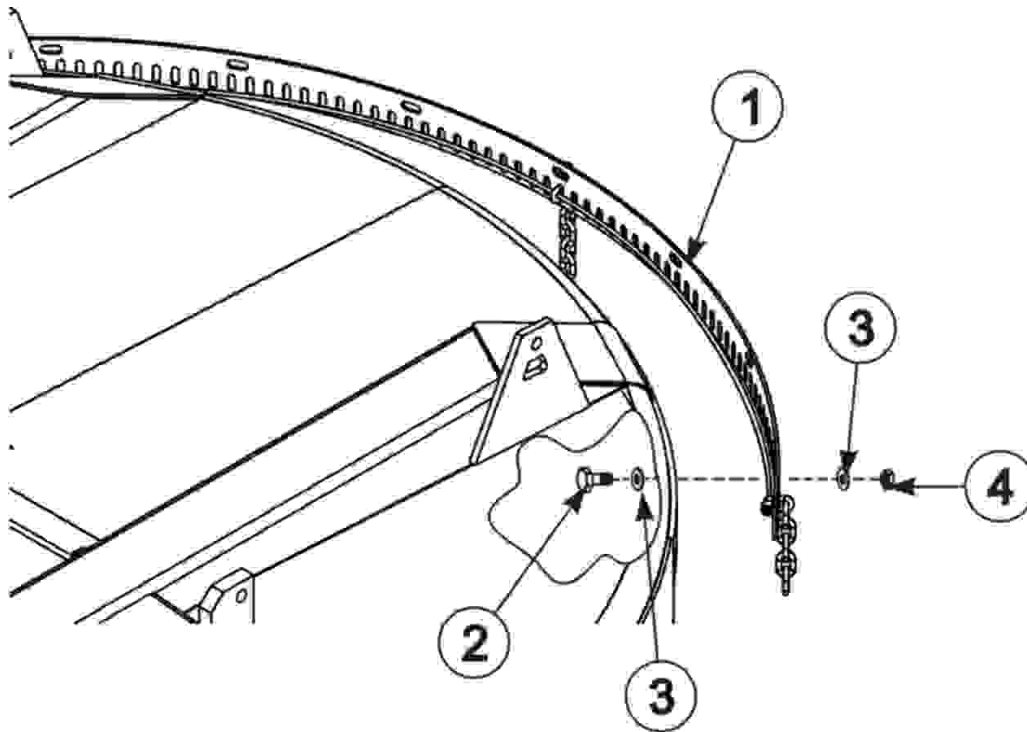
ITEM	PART NO.	QTY.	DESCRIPTION
1	00781191	1	WELDMENT, BLADE CARRIER - 484
	00781011	1	WELDMENT BLADE CARRIER - 472
2	5GL16140	2	LOCKNUT
3	571045	2	WASHER 1 STRUCURAL
4	B571044	1	BOLT, KIT
5	00778047	2	BLADE WASHER
6	0582010330	2	BLADE, CCW FAN ROTARY MOWER - 484 (STANDARD)
	582013A	2	BLADE, FLAT - 484
	00757833	2	BLADE, HIGH SUCTION TWISTED - 484
	00780882	2	BLADE - 472 (STANDARD)
	0652010030	2	BLADE, FLAT - 472
	00757830	2	BLADE, HIGH SUCTION TWISTED - 472

CHAINGUARD ASSEMBLY - FRONT



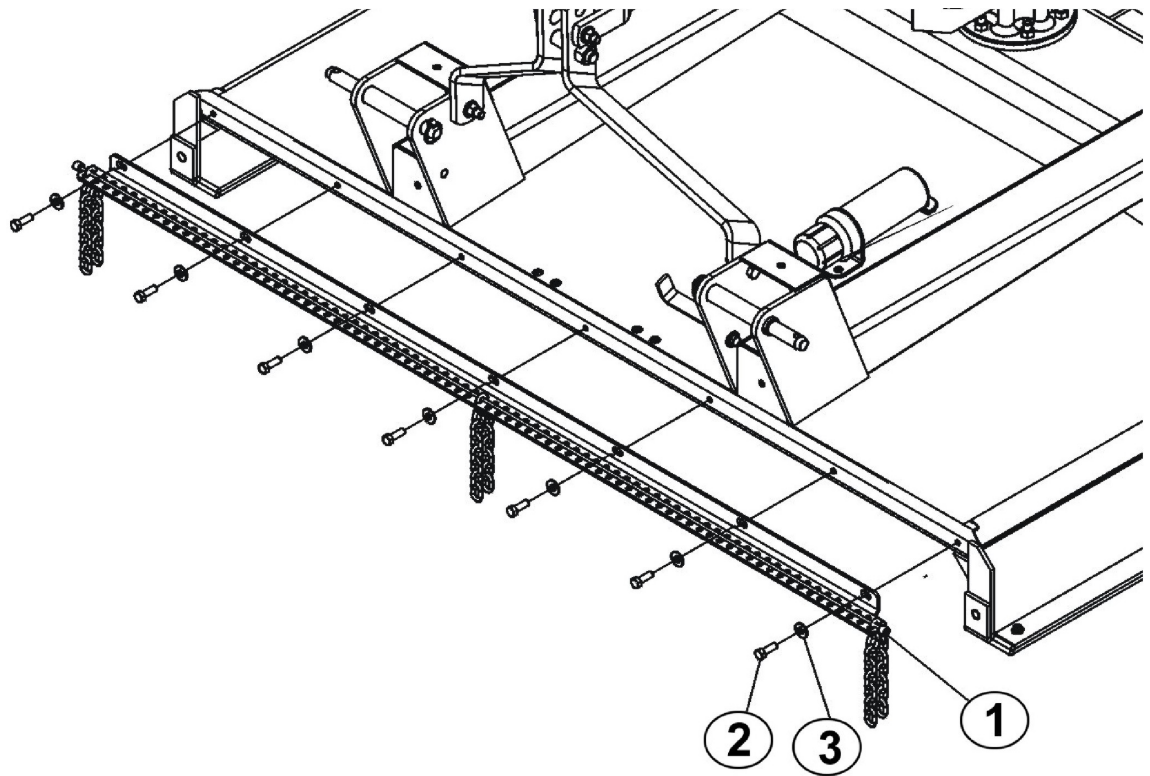
ITEM	PART NO.	QTY.	DESCRIPTION
1	00781256	1	FLAT, FRONT C.G. ASSY. - 472
	00781265	1	FLAT, FRONT C.G. ASSY. - 484
2	00002700	7	FLATWASHER 1/2 PL STD - 472/484
3	00748823	7	HHCS 1/2-13UNC 1-1/2 PL5 - 472/484

CHAINGUARD ASSEMBLY - REAR



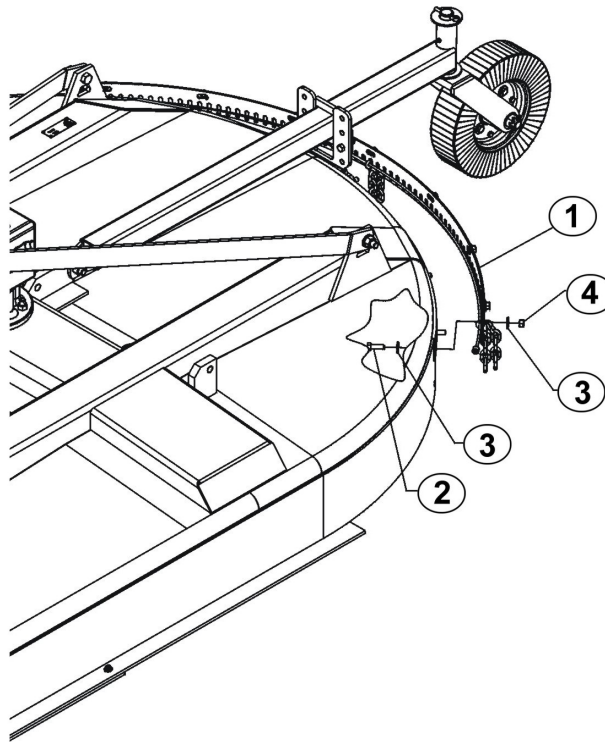
ITEM	PART NO.	QTY.	DESCRIPTION
1	00785231	1	REAR CHAIN GUARD, ASSY. - 472
	00781264	1	REAR CHAIN GUARD, ASSY - 484
2	00748823	9	HHCS 1/2-13UNC 1-1/2 PL5 - 472/484
3	00002700	18	FLATWASHER 1/2 PL STD - 472/484
4	00001800	9	LOCKNUT TLM 1/2 NC PLB - 472/484

DOUBLE CHAINGUARD ASSEMBLY - FRONT



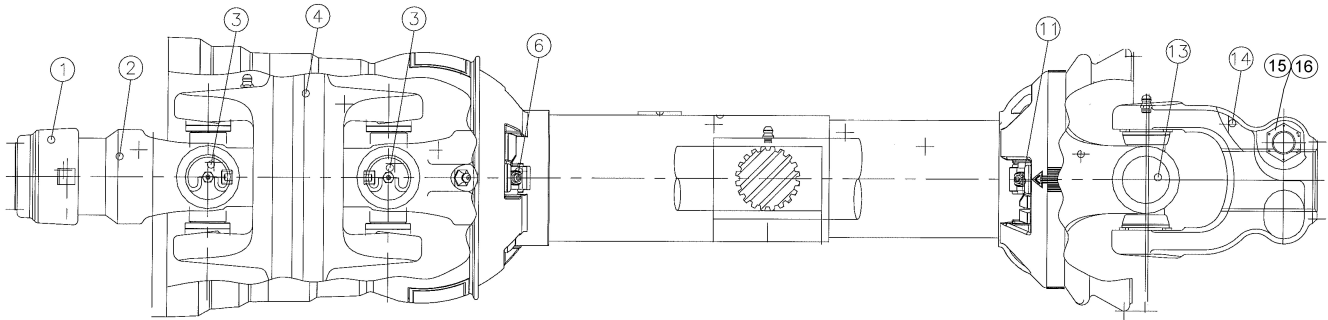
ITEM	PART NO.	QTY.	DESCRIPTION
1	00785246	1	ASY,FRONT DOUBLE CG- 472
	00785248	1	ASY,FRONT DOUBLE CG- 484
2	00748823	7	HHCS 1/2-13UNC 1-1/2 PL5
3	00002700	7	FLATWASHER 1/2 PL STD

DOUBLE CHAINGUARD ASSEMBLY - REAR



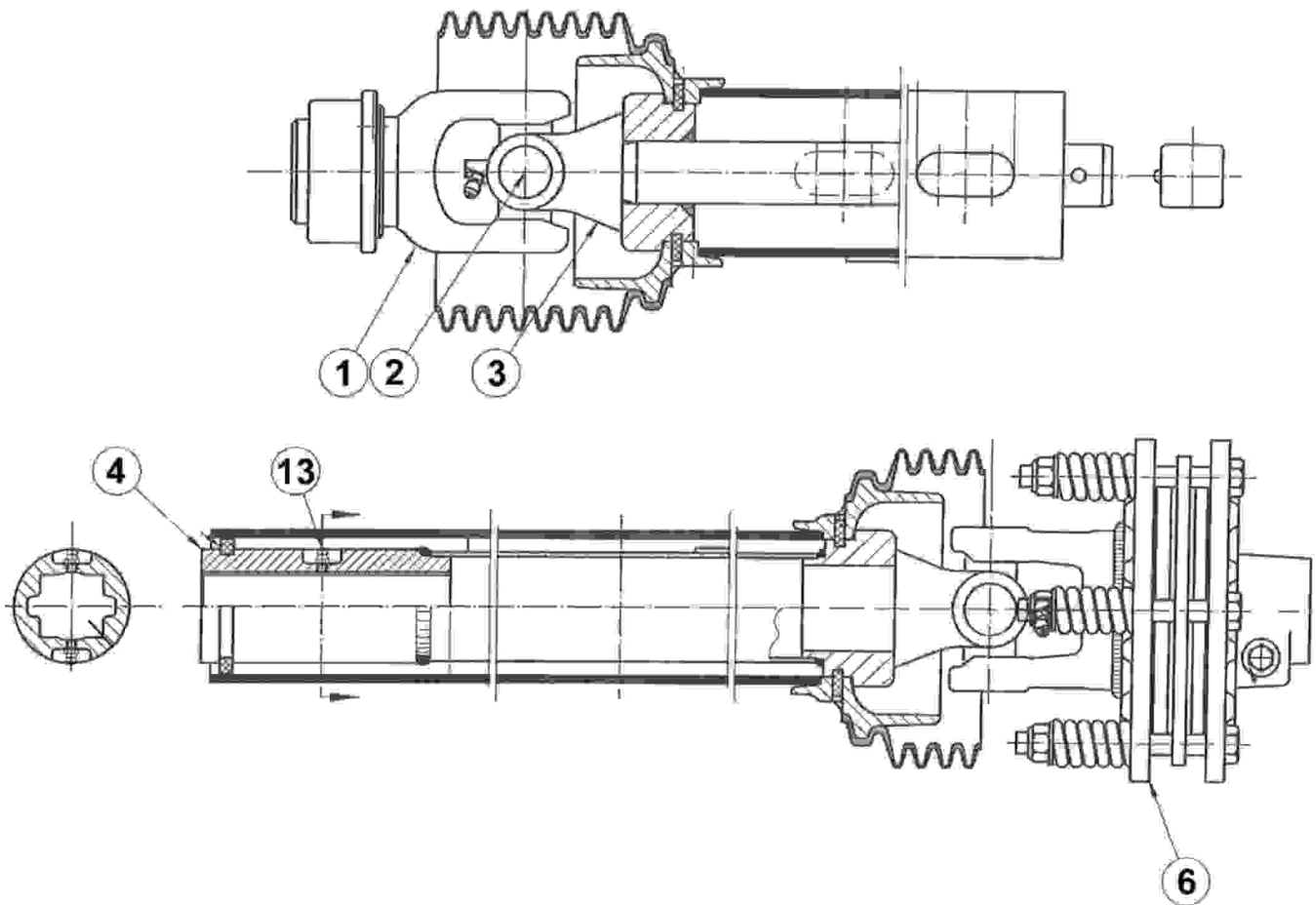
ITEM	PART NO.	QTY.	DESCRIPTION
1	00785247	1	ASY,REAR DOUBLE CG- 472
	00785249	1	ASY,REAR DOUBLE CG- 484
2	00748823	9	HHCS 1/2-13UNC 1-1/2 PL5
3	00002700	18	FLATWASHER 1/2 PL STD
4	00001800	9	LOCKNUT TLM 1/2 NC PLB

DRIVELINE ASSEMBLY CV



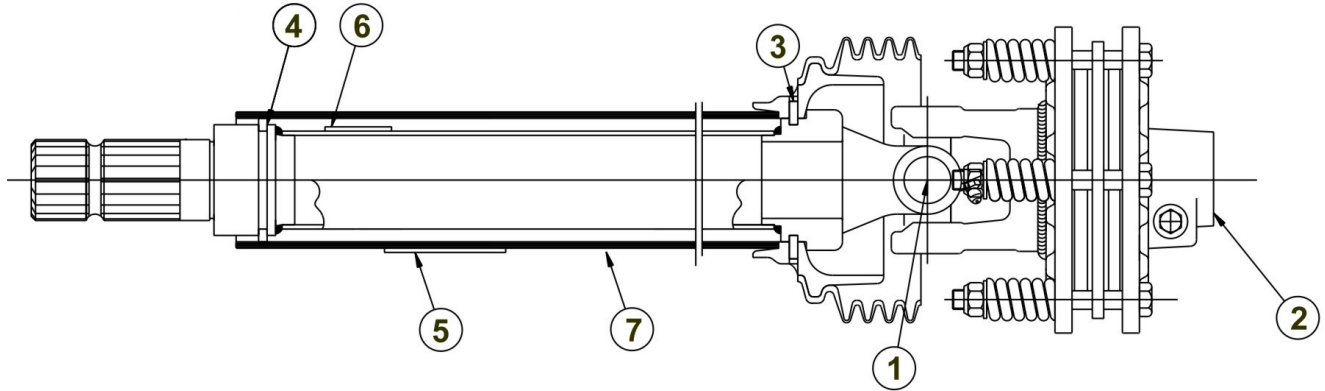
ITEM	PART NO.	QTY.	DESCRIPTION
	00779504	1	DRIVELINE ASSEMBLY CV - COMPLETE
1	2716820	1	REPAIR KIT
2	00779522	1	ASY,SAFETY SLIDE LOCK YOKE
3	00779521	2	KIT,CROSS & BEARING
4	00779520	1	HOUSING,CENTER
13	00779519	1	KIT,CROSS & BEARING
14	00779518	1	YOKE
15	02956948	1	LOCKNUT, 5/8 NC PLC
16	00765690	1	HHCS 5/8-11UNC 3LG GR8 PL
	00779525	1	ASY,GUARD SET

DRIVELINE ASSEMBLY CAT-5 472/484 - LIFT TYPE



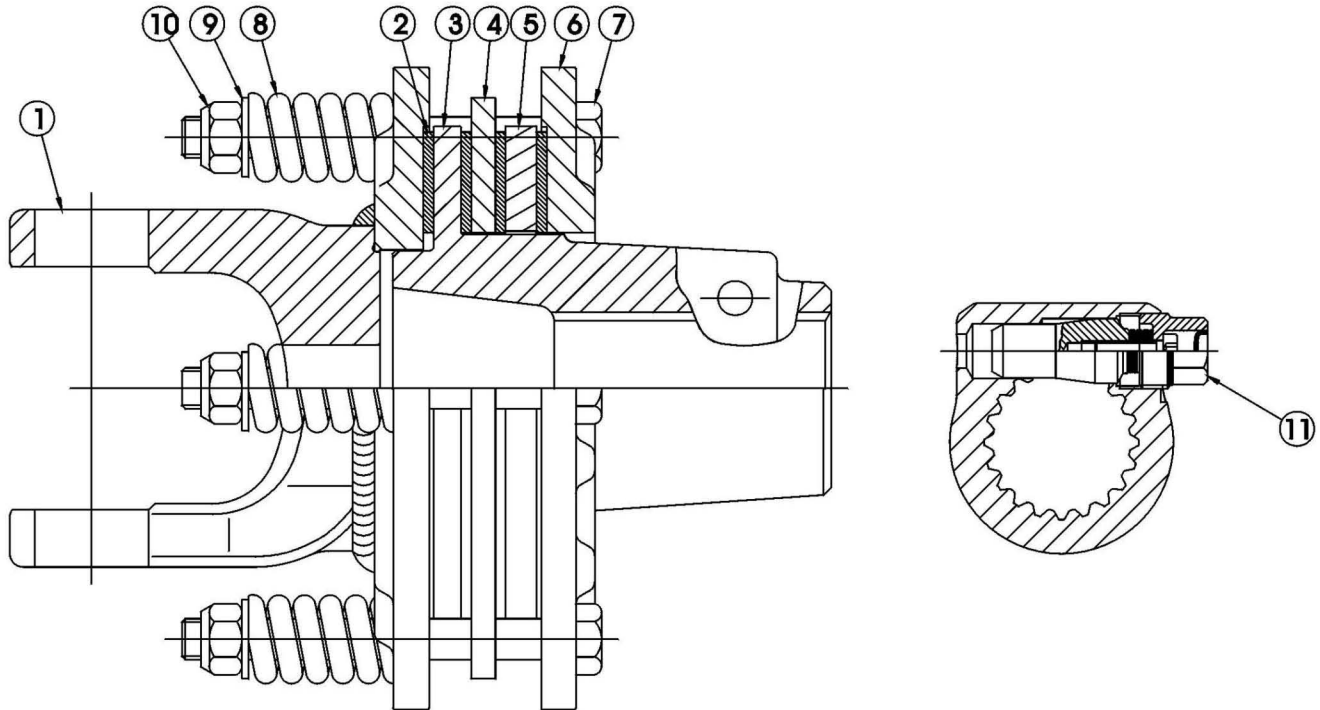
ITEM	PART NO.	QTY.	DESCRIPTION
	00781406	1	DRIVELINE ASSEMBLY
1	W821A	1	YOKE 44 1-3/8-6 SLID
2	W840	2	KIT,CROSS SAME AS P
3	W816F	1	YOKE SHAFT PAINT BLA
4	00775344	1	YOKE, I.B. TUBE & SLEEVE W.A.
6	00779357	1	COMPT. CLUTCH HUB 1440 1350MM
13	00752670	2	FITTING,GREASE STRAIGHT 1/4-28
**	00785935	1	SHIELD, COMPLETE - PARTS 7 & 8

DRIVELINE ASSEMBLY - JACKSHAFT 484



ITEM	PART NO.	QTY.	DESCRIPTION
	00785731	1	JACKSHAFT
1	W840	1	CROSS & BEARING KIT
2	00779357	1	FRICTION CLUTCH
3	00775347	2	SHIELD BEARING
4	00775348	1	SUPPORT BEARING
5	00756005	1	DECAL OUTER
6	00756004	1	DECAL INN
7	00785832	1	INN. SHIELD TUBE ASSY

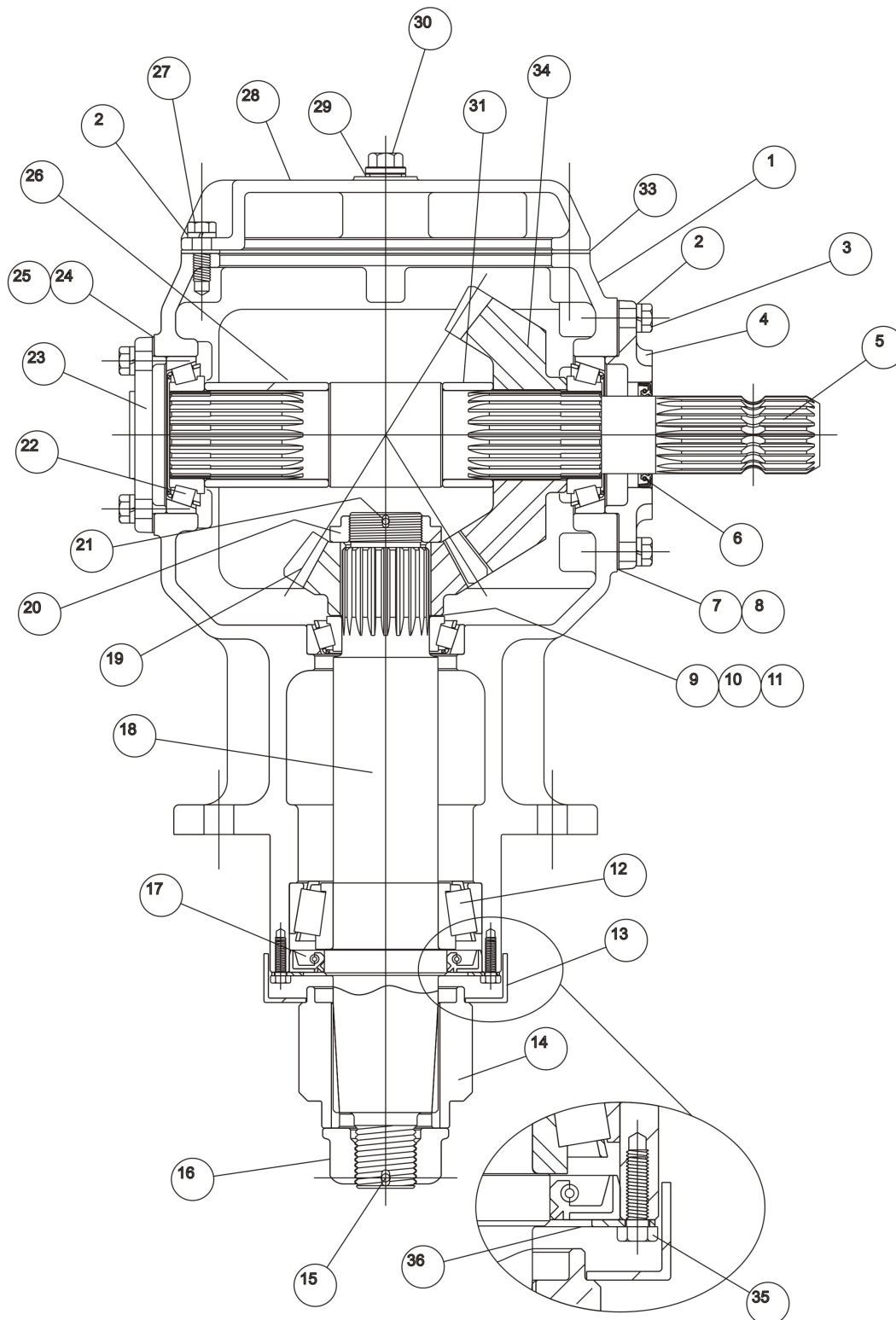
DRIVELINE ASSEMBLY CAT 5 484 - SLIP CLUTCH



ITEM	PART NO.	QTY.	DESCRIPTION
	00779357	-	FRICTION CLUTCH - COMPLETE
1	00775383	1	YOKE FLANGE
2	0921000462	4	DISK, CLUTCH 5-15/16X3-19/32X
3	00779366	1	HUB 1-3/4-20
4	00775335	1	DRIVE PLATE
5	00779365	1	DRIVE PLATE
6	00775337	1	THRUST PLATE
11	00774208	1	LOCK ASY CC YOKE
**	00785918	1	KIT, SPRING & BOLT, CONTAINS PARTS - 7,8,9, & 10

PAGE LEFT INTENTIONALLY BLANK

GEARBOX ASSEMBLY 00777838P 472 - 540RPM



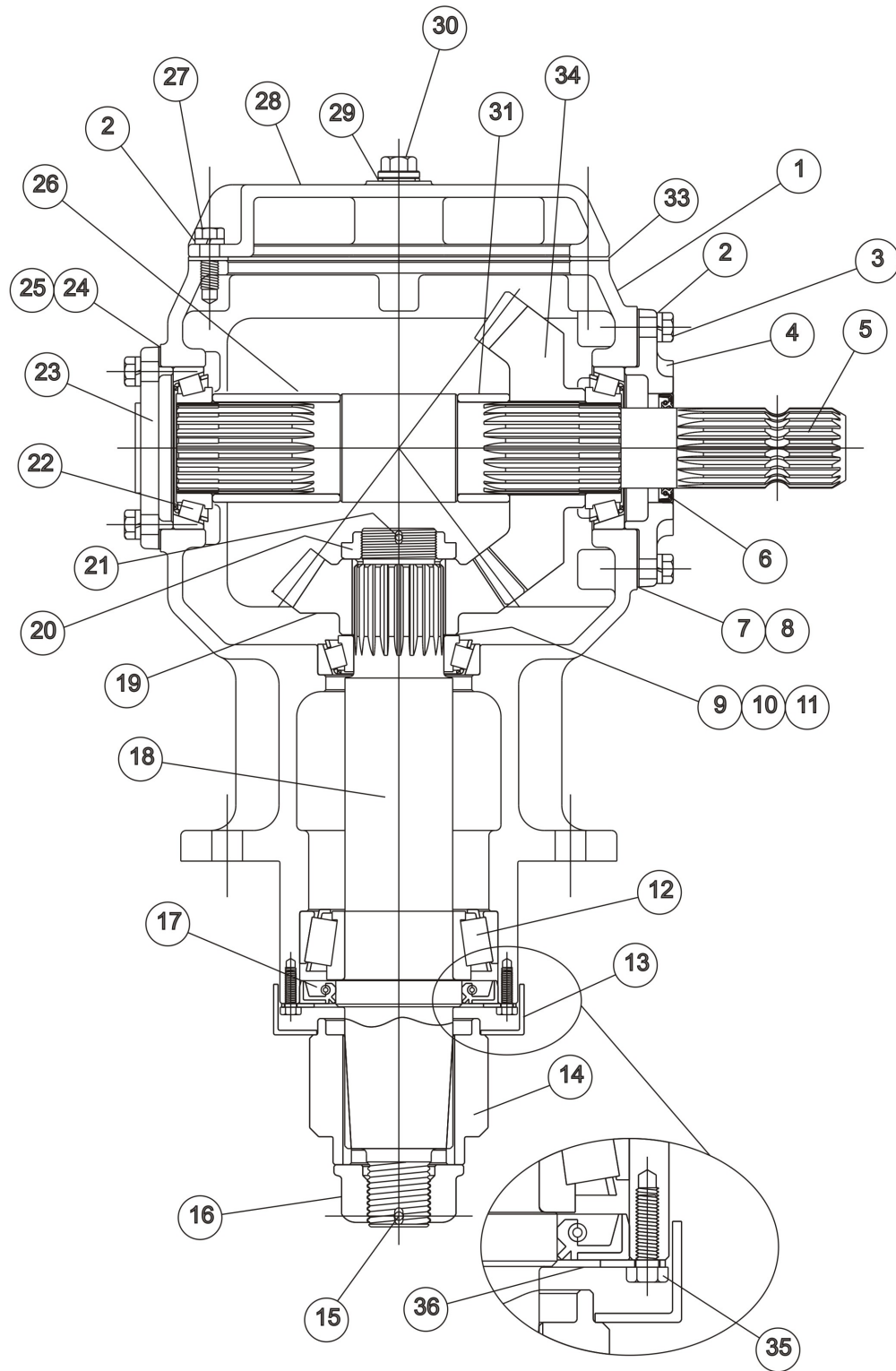
472-484 (March-08) S/N -Curent

GEARBOX ASSEMBLY 00777838P 472 - 540RPM

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
	00777838P	1	GEARBOX ASSEMBLY
2	00755954	18	LOCKWASHER M10 SPRING
3	00762398	12	HHCS, M10-P1.5 X 30MM PL8.8
4	00777881	1	INPUT CAP
5	00777880	1	SHAFT,INPUT
13	00777876	1	SEAL PROTECTOR
14	00771227	1	HUB W/2-7/8 SHOULDER
15	01422502	1	PIN,COTTER 3/16 X 2-1/2
16	00777874	1	NUT,HEX SLOTTED FLANGED M36
18	00777872	1	OUTPUT SHAFT
19	00777871	1	GEAR, 15 TOOTH PINION
20	00762121	1	NUT,HEX,THIN SLOTTED
21	00770421	1	PIN, COTTER 3.6MM X 65MM
23	00777870	1	BLANK ADJUSTING CAP
26	00777867	1	BEARING SPACER
27	61368C8	6	M10X1.5X25 GR.8.8-FT HEX CAPSC
28	00777866	1	INSPECTION COVER CAP
29	00769321	2	WASHER,SEALING
30	00762123	2	M18X1.5X30 HEX HEAD PLUG
31	00758657	2	SPACER,INPUT SHAFT
32	00777883	1	DIP STICK BREATHER ASSY
34	00777864	1	GEAR, 24 TOOTH PINION
35	02969728	2	HEXB METRIC 6-P1.0 - 20MM
36	00778621	1	SUPER 200 OUTPUT SEAL PLATE
**	00785916	1	KIT, GEARBOX GASKET & SHIM, CONTAINS PARTS - 7,8,9,10,11,24,25,& 33
**	00785917	1	KIT, BEARING & SEAL, CONTAINS PARTS - 6,12,17, & 22
**	00765444	-	NLGI "000" EP GEAR LUBE

GEARBOX ASSEMBLY 00777842P 484 - 540RPM

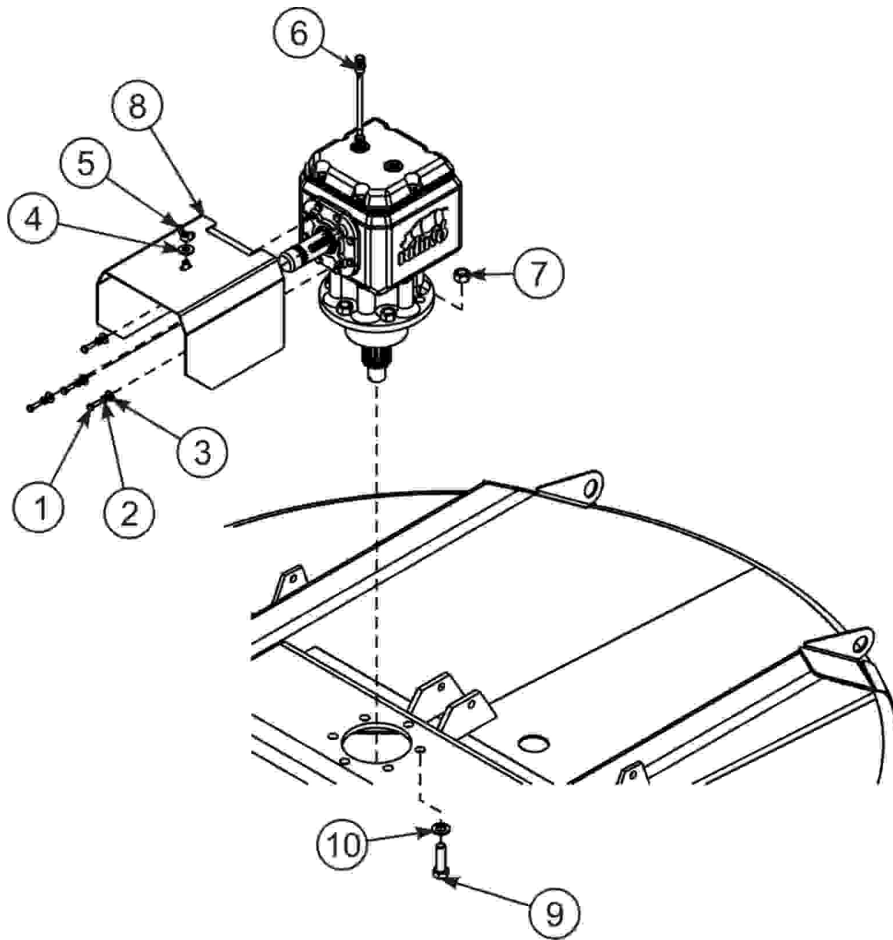


GEARBOX ASSEMBLY 00777842P 484 - 540RPM

Continued...

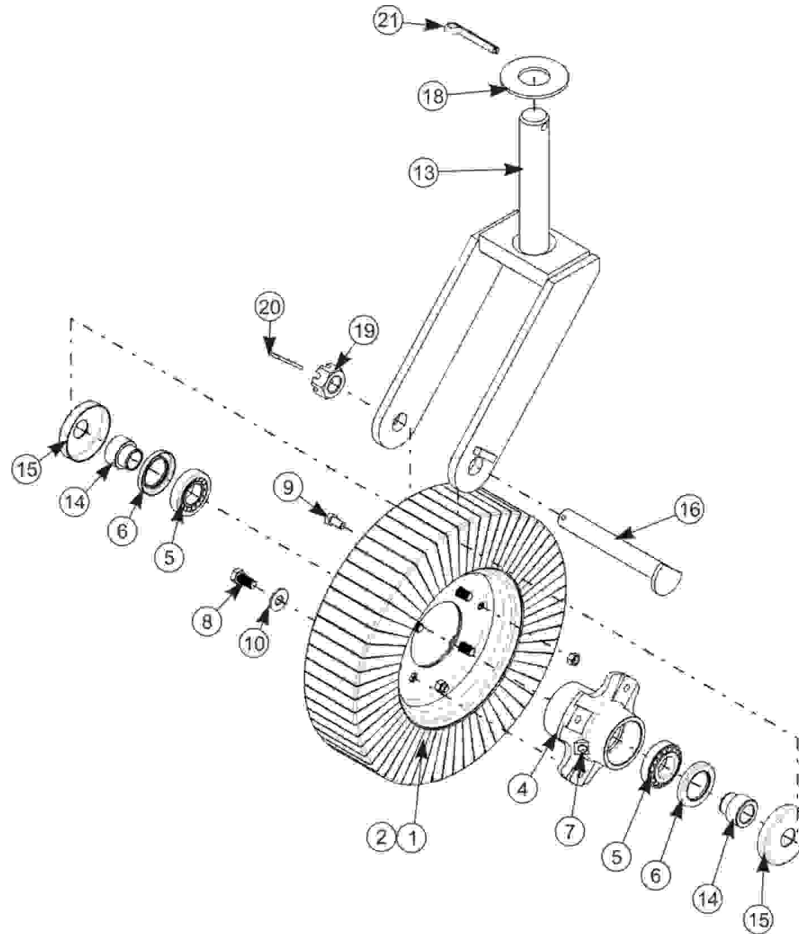
ITEM	PART NO.	QTY.	DESCRIPTION
	00777842P	1	GEARBOX ASSEMBLY
2	00755954	18	LOCKWASHER M10 SPRING
3	00762398	12	HHCS, M10-P1.5 X 30MM PL8.8
4	00777881	1	INPUT CAP
5	00777880	1	SHAFT,INPUT
13	00777876	1	SEAL PROTECTOR
14	00771227	1	HUB W/2-7/8 SHOULDER
15	01422502	1	PIN,COTTER 3/16 X 2-1/2
16	00777874	1	NUT,HEX SLOTTED FLANGED M36
18	00777872	1	OUTPUT SHAFT
19	00777887	1	GEAR, 19 TOOTH PINION
20	00762121	1	NUT,HEX,THIN SLOTTED
21	00770421	1	PIN, COTTER 3.6MM X 65MM
23	00777870	1	BLANK ADJUSTING CAP
26	00777867	1	BEARING SPACER
27	61368C8	6	M10X1.5X25 GR.8.8-FT HEX CAPSC
28	00777866	1	INSPECTION COVER CAP
29	00769321	2	WASHER,SEALING
30	00770737	2	LEVEL PLUG M18 X 1.5
31	00758657	1	SPACER,INPUT SHAFT
32	00777883	1	DIP STICK BREATHER ASSY
34	00777886	1	GEAR, 25 TOOTH PINION
35	02969728	2	HEXB METRIC 6-P1.0 - 20MM
36	00778621	1	SUPER 200 OUTPUT SEAL PLATE
**	00785916	1	KIT, GEARBOX GASKET & SHIM, CONTAINS PARTS - 7,8,9,10,11,24,25,& 33
**	00785917	1	KIT, BEARING & SEAL, CONTAINS PARTS - 6,12,17, & 22
**	00765444	-	NLGI "000" EP GEAR LUBE

GEARBOX ATTACHMENT 472/484



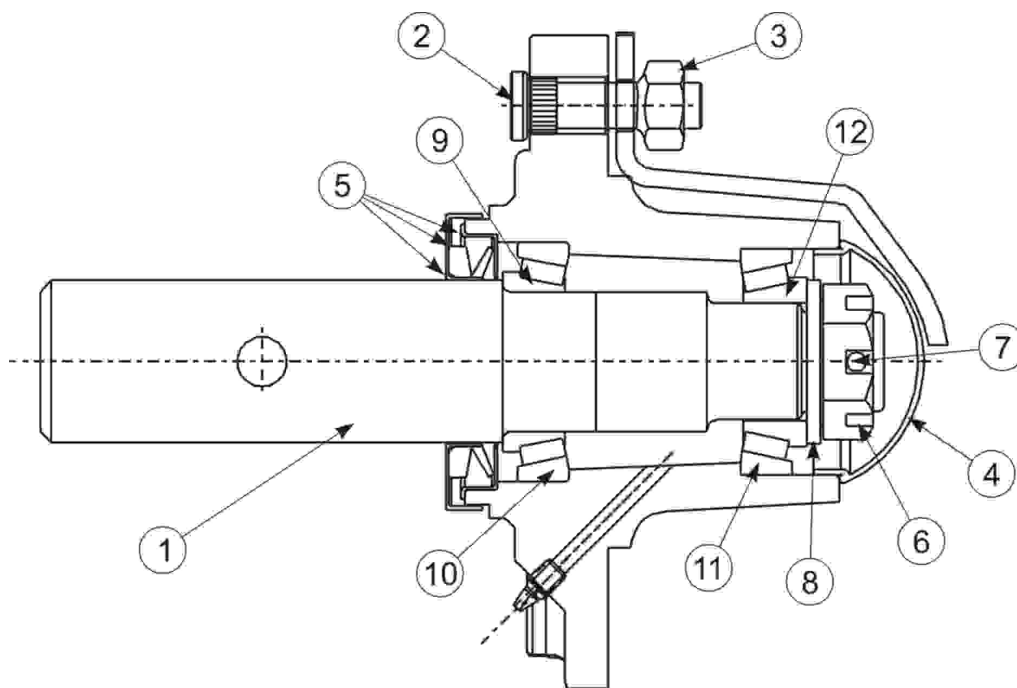
ITEM	PART NO.	QTY.	DESCRIPTION
1	10119000	4	HEXB 5/16 X 1NC GR5
2	00011700	4	LOCKWASHER, 5/16" PL STD
3	00023500	4	FLATWASHER, 5/16 TYPE, AW, ZP
4	00002700	2	FLATWASHER 1/2
5	5F8130	1	WINGNUT 1/2NC
6	00777883	1	DIP STICK BREATHER ASY
7	00037200	6	LOCKNUT 3/4-NC TLM PLC
8	00779439	1	SHIELD WELDMENT FR.
9	5312316	8	HEXB 3/4 NC 2-1/2 PL5
10	00037100	10	WASHER, 3/4 HARDENED

HUB ASSEMBLY - LIFT TYPE



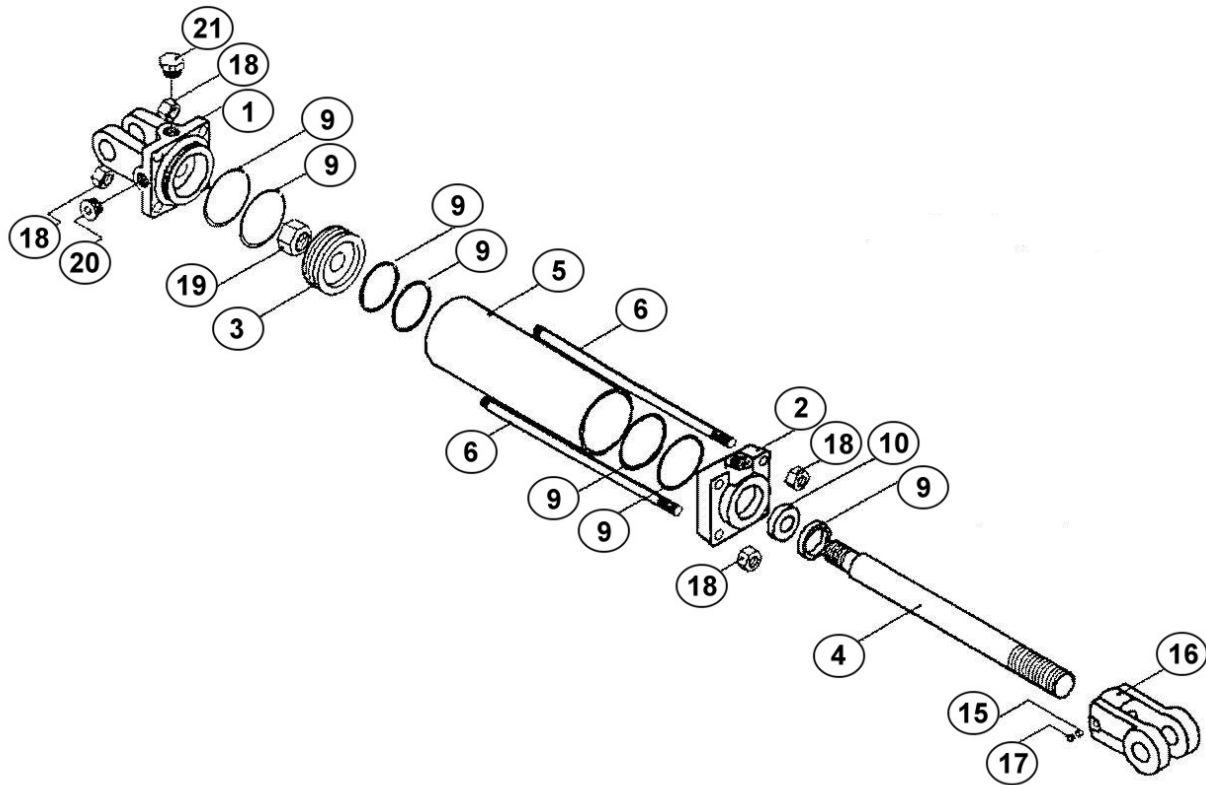
ITEM	PART NO.	QTY.	DESCRIPTION
	00776220	1	CASTER WHEEL AND HUB ASSEMBLY
1	373024H	1	TIRE WHEEL ASSEMBLY
2	00780238	1	TAILWHEEL HUB ASSEMBLY INCLUDES 5,6,7,14, & 15
6	00776219	2	SEAL, OIL
8	00776216	4	BOLT
9	7A6166	4	BOLT
10	00776215	4	FLATWASHER
11	00012101	4	LOCKWASHER
12	00013901	4	NUT
13	0585020210A	1	CASTER FORK WELDMENT
15	00772018	2	DUST CAP
16	00776211	1	SPINDLE BOLT
17	02822500	1	WASHER
18	15B2400	1	FLATWASHER
19	00776212	1	CASTELLATED NUT
20	00771620	1	COTTER PIN
21	00758899	1	COTTER PIN
**	00785915	1	KIT, BEARING & SEAL - CONTAINS PARTS 5,6,7,14, & 15

HUB ASSEMBLY - PULL TYPE



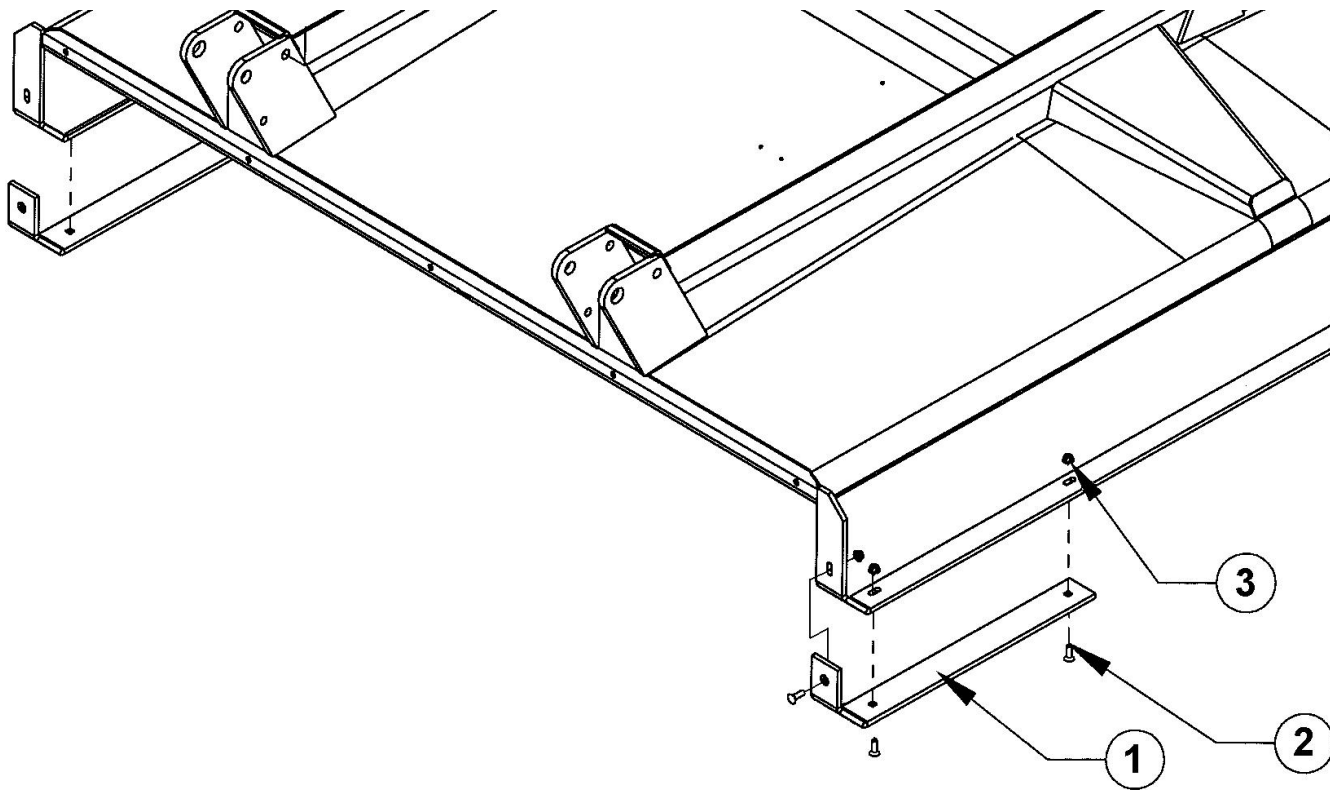
ITEM	PART NO.	QTY.	DESCRIPTION
	00775616A	1	HUB ASSEMBLY
1	00774821	1	SPINDLE
2	13198	5	STUB BOLT 1/2"-20 UNF
3	00756014	5	WHEEL NUT 1/2"-20 UNF
5	00778108	1	SEAL KIT
**	00756528	1	KIT, WHEEL HUB BEARING - CONTAINS PARTS 4 -12

HYDRAULIC CYLINDER



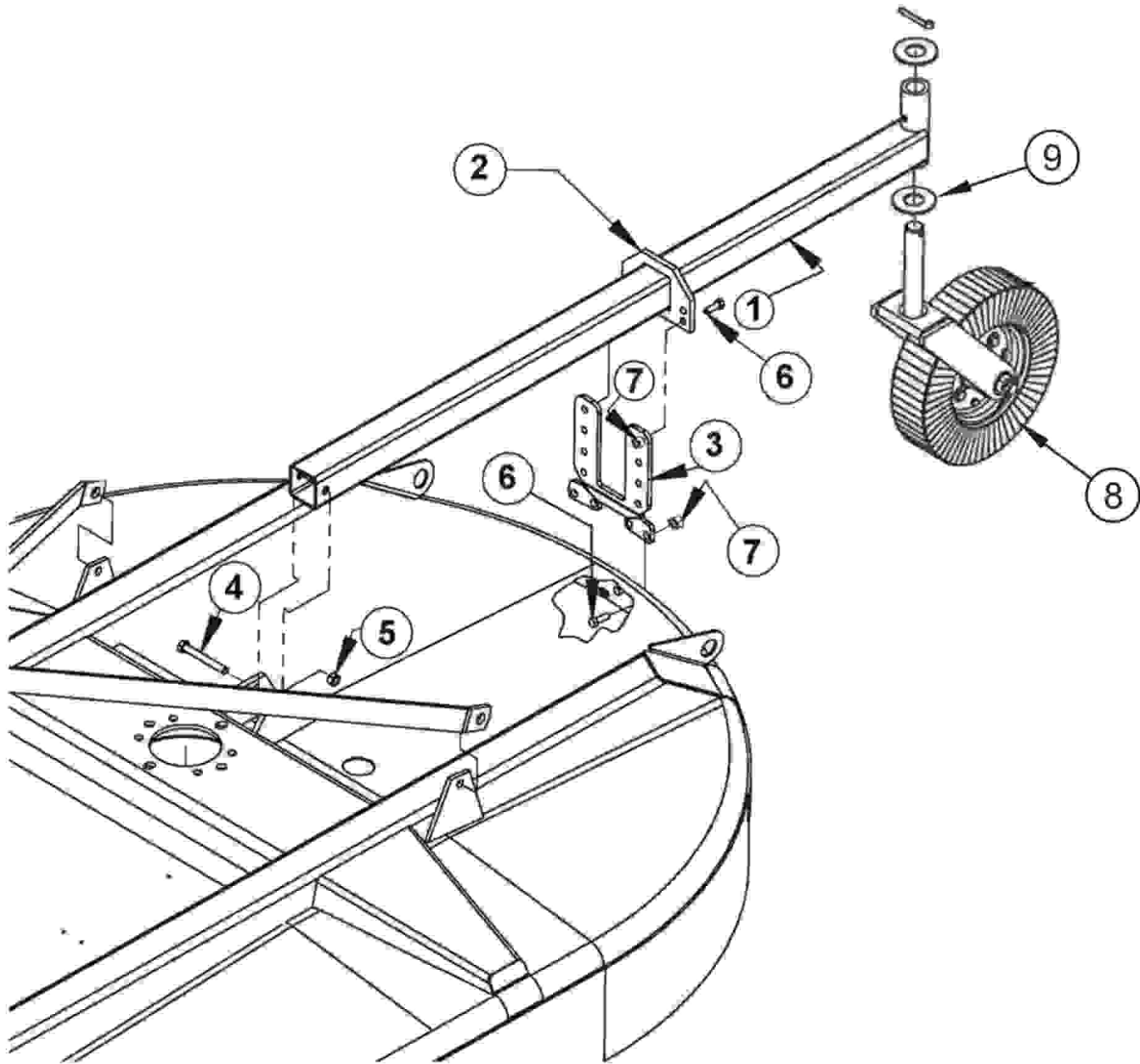
ITEM	PART NO.	QTY.	DESCRIPTION
	8727A	1	HYDRAULIC CYLINDER
1	00774729	1	CLEVIS CAP 2.5-3/4 ORB-1.00
3	00774730	1	PISTON 2.5-0.75-S HALL W/RING
9	00774760	1	SEAL KIT
16	1917140	1	ROD CLEVIS
17	00774740	1	SC SCKT SET 3/8UNCX1/2 KNUR
18	33003H5C	8	HEX NUT 3/8-16 GR.5
19	5JRC12160	1	NUT TOPLOCK 3/4 NF PLC
20	1917132	1	SCKT HD O-RNG PLUG,3/4-16 UNF
21	2417154	1	BREATHER,CYLINDER #8 ORB
22	651132	1	HOSE, #6-8MP-8MP-144LG (NOT SHOWN)

SKID SHOE ASSEMBLY



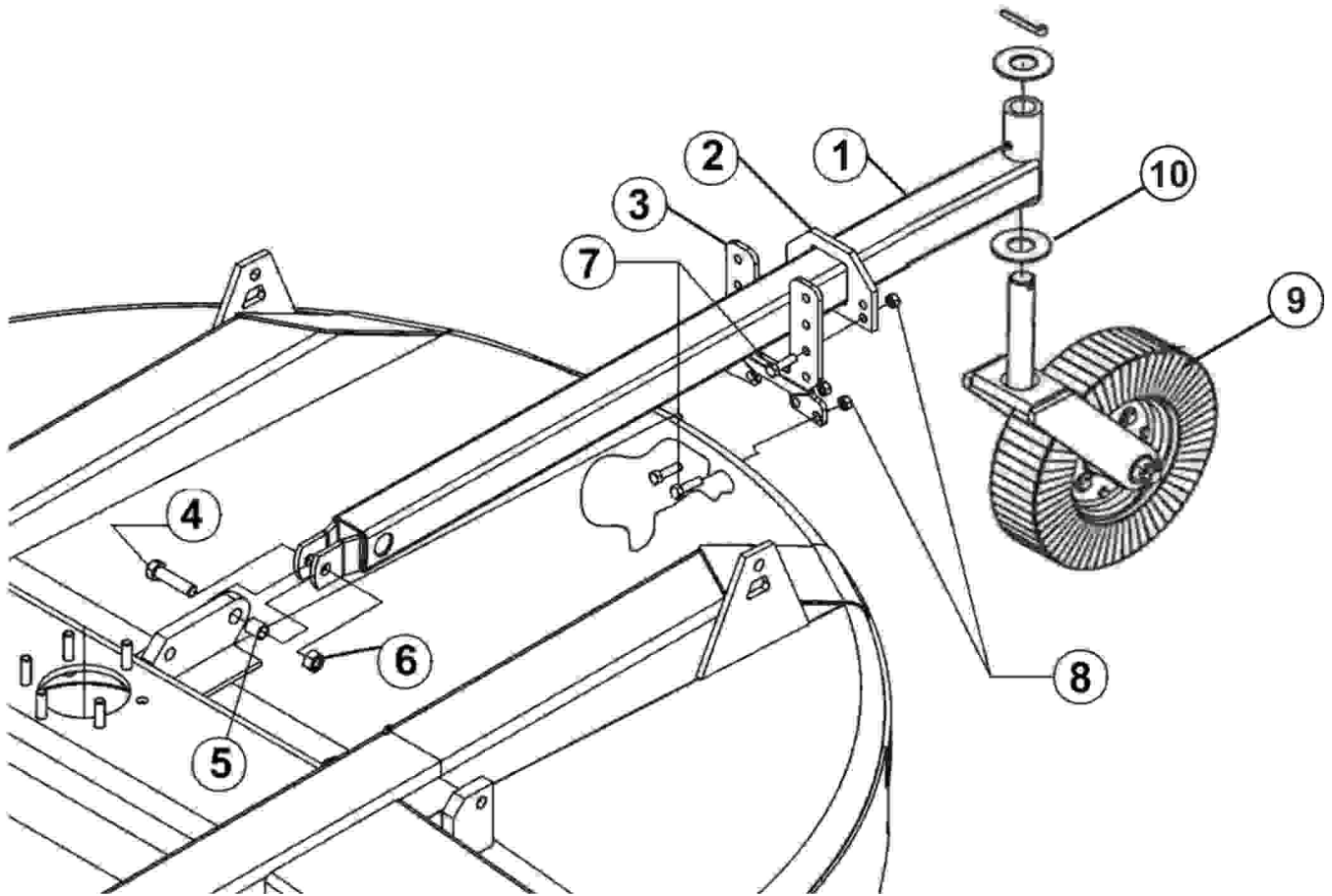
ITEM	PART NO.	QTY.	DESCRIPTION
1	00778905	2	SKID SHOE BAR
2	8277	6	PLOW BOLT 3/8 NC 1-1/4 #3 PL
3	4528	6	NUT, LOCK 3/8-16 FLG WHIZ

TAILWHEEL ASSEMBLY 472



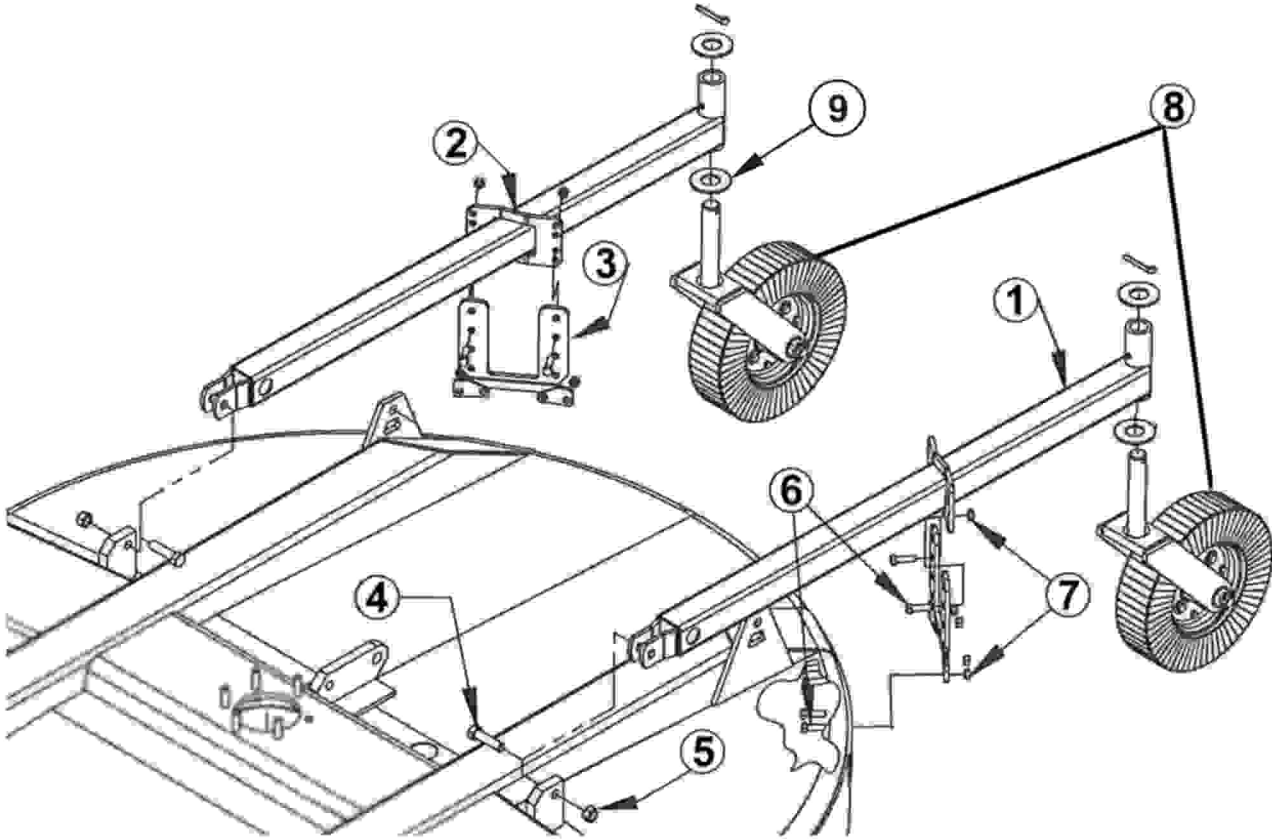
ITEM	PART NO.	QTY.	DESCRIPTION
1	00780876	1	WDMT, T/W BEAM - 472
2	0585020300	1	BRACKET, POSITION
3	00785239	1	MOUNT, TAILWHEEL BEAM
4	00059000	1	HEXB 5/8 NC X 5 PL5
5	00695100	1	LOCKNUT TOPLOCK 5/8NC PLB
6	00749130	4	HHCS 1/2-13 UNC 1-1/2 PL5
7	00001800	4	LOCKNUT TLM 1/2 NC PLB
8	00776220	1	ASSY CASTER FORK & WHEEL

TAILWHEEL ASSEMBLY 484



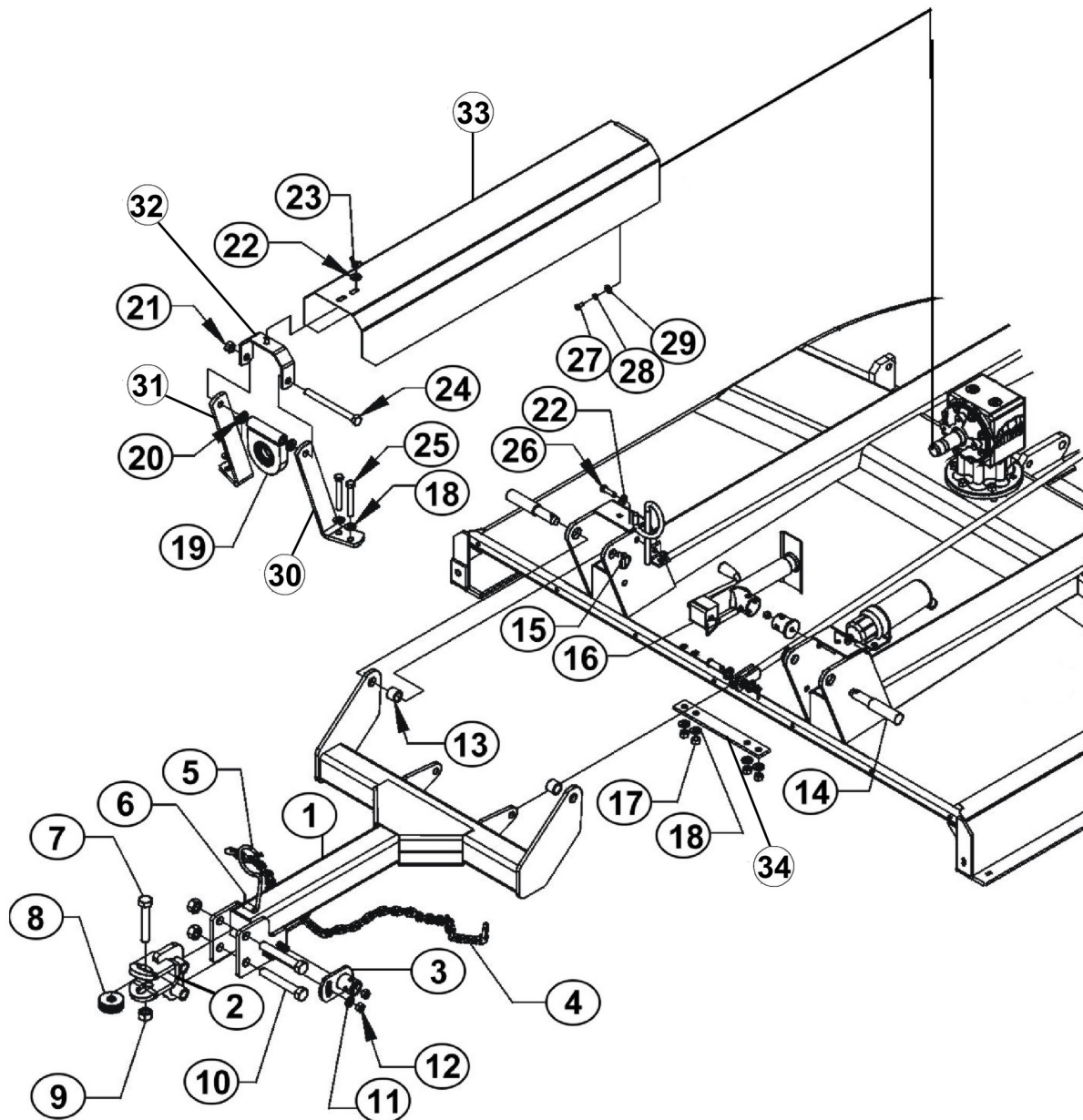
ITEM	PART NO.	QTY.	DESCRIPTION
1	00781077	1	WELDMENT, T/W BEAM
2	0585020300	1	BRACKET POSITION
3	00785239	1	MOUNT, T/W BEAM
4	00007800	1	HEXB 3/4 NC X 3 PL5
5	00781367	1	TUBE BUSHING
6	00037200	1	LOCKNUT 3/4 NC TLM PLC
7	00749130	4	HHCS 1/2-13 UNC 1-3/4 PL5
8	00001800	4	TOPLOCKNUT, 1/2-13 NC PL
9	00776220	1	ASY,CASTER FORK & WHEEL
10	15B2400	2	WASHER

DUAL TAILWHEEL ASSEMBLY 484



ITEM	PART NO.	QTY.	DESCRIPTION
1	00781077	2	WDMT, T/W BEAM - 484
2	00781071	2	FLAT, POSITION BRACKET
3	00785473	2	MOUNT, DUAL TAILWHEEL BEAM
4	00007800	2	HEXB 3/4 NC 3 PL5
5	00037200	2	LOCKNUT 3/4-NC TLM PLC
6	00749130	8	HHCS 1/2-13 UNC 1-3/4 PL5
7	00001800	8	LOCKNUT TLM 1/2 NC PLB
8	00776220	1	WHEEL & FORK ASSEMBLY
9	15B2400	2	WASHER

TONGUE ASSEMBLY 484 - PULL TYPE



PULL TYPE TONGUE ASSEMBLY 484

Continued...

ITEM	PART NO.	QTY.	DESCRIPTION
1	00777459	1	WDMT, TONGUE
2	00778053	1	WDMT, CLEVIS
3	00760941	1	WDMT, JACK TUBE MOUNT
4	00764515	1	CHAIN, SAFETY TOW-6000# CAP.
5	1431565	1	SHAFT, PTO IID TRANSPORT SUPPRT
6	40010000	1	PIN, COTTER 1/8 X1
7	00755076	1	HHCS 1 NC 5-1/2 PL8
8	00759275	3	WASHER, HITCH CLEVIS
9	02030300	3	NUT TOPLOCK 1 NC PLB
10	00754107	2	BOLT 1 - 8UNC X 6-1/2 PL8
11	00756077	2	WASHER, 5/8 HARDENED
12	00695100	2	LOCKNUT TOPLOCK 5/8 NC PLB
13	00761890	2	BUSHING 1.5 OD X 1.14 IDX 1-3/16 LG
14	00758146	2	PIN, TONGUE PIVOT
15	2196	2	CLIP (LYNCH PIN), 13/32 DIA.
16	00772391	1	PARKING JACK SIDEWIND
17	00695100	4	NUT, 5/8 NC TOPLOCK
18	00001400	8	FLATWASHER 5/8 PL STD
19	00775006A	1	BEARING ASSEMBLY
20	00002701	2	FLATWASHER, 3/4, TYPE AW, ZP
21	00037200	1	LOCKNUT 3/4-NC TLM PLC
22	00002700	1	FLATWASHER 1/2
23	5F8130	1	WINGNUT 1/2 NC
24	00781172	1	HHCS 3/4 NC 8-1/2 PL5
25	02845800	4	HEXB, 5/8 NC X 4-1/2 GRD5 ZP
26	00749130	2	HHCS 1/2 - 13 UNC 1-3/4 PL5
27	00002000	1	HEX CAP 3/8 - 16 X 3/4 GR.5 ZP
28	00012101	1	LOCKWASHER 3/8 PL
29	00011100	1	FLATWASHER 3/8 PL STD
30	00781166	1	FLAT, LH BEARING PIVOT
31	00781167	1	FLAT, RH BEARING PIVOT
32	00781174	1	WELDMENT, SHIELD BRACKET
33	00781205	1	WLDMT, J/S SHIELD
34	00781175	1	FLAT, REINFORCING STRAP

NEW JACKSHAFT SUPPORT ASSEMBLY 484

Rework Instructions:

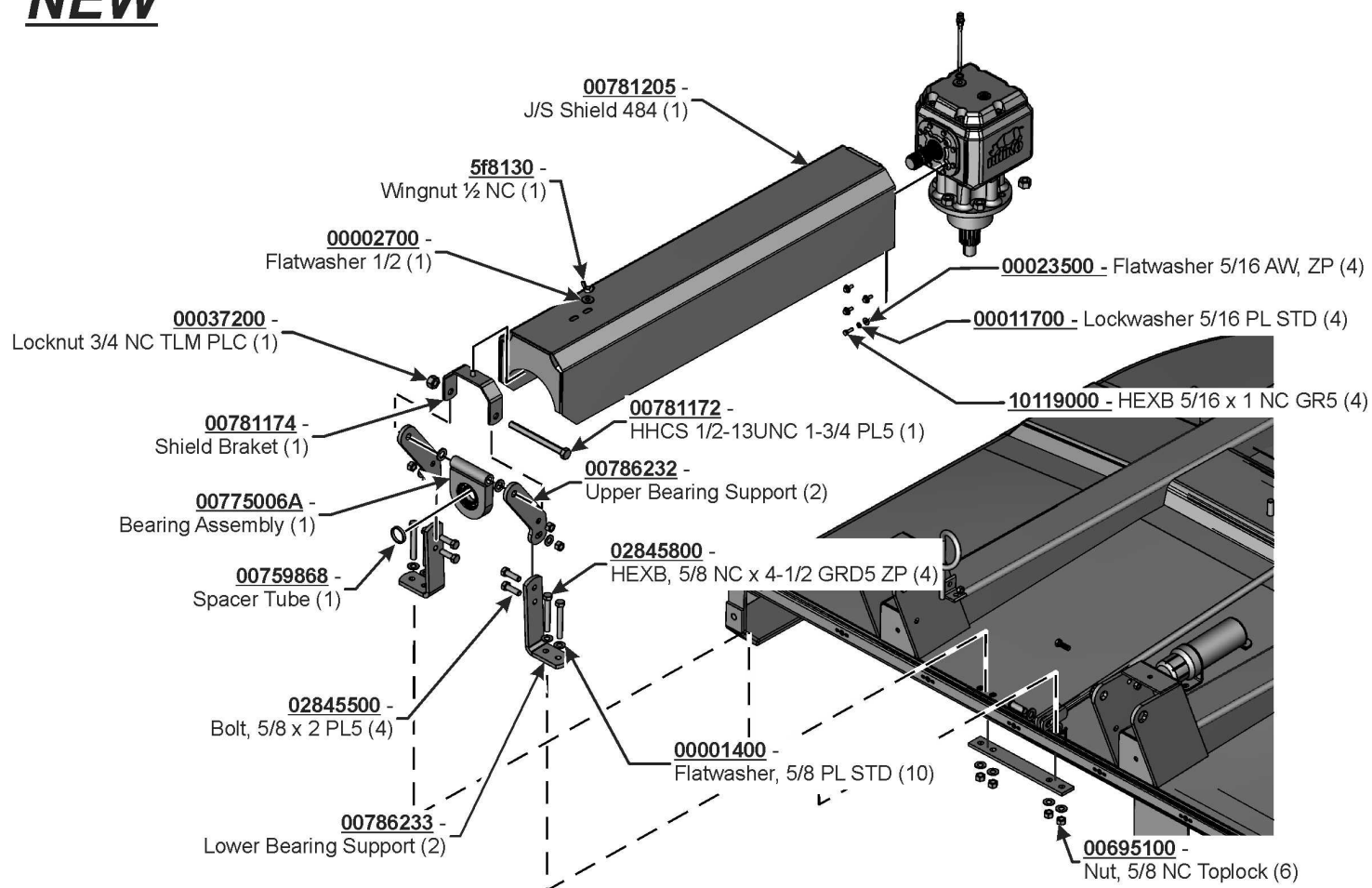
- Remove the Old left and right arms, P/N's **00781167** & **00781166**.
- Replace with new Current arms **00786232** & **00786233**. (2 on each side)
- Add related hardware **02845500** (4), **00001400** (2), **00695100** (4), and spacer **00759868** (1).

OLD

00781167 -
RH Bearing Pivot (1)

00781166 -
LH Bearing Pivot (1)

NEW



SERVIS-RHINO

LIMITED WARRANTY

1. LIMITED WARRANTIES

- 1.01. Servis-Rhino warrants for one year from the purchase date to the original non-commercial, governmental, or municipal purchaser ("Purchaser") and warrants for six months to the original commercial or industrial purchaser ("Purchaser") 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.
- 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. Except as provided herein, 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. NOTWITHSTANDING 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.

Servis-Rhino Implement Model _____ Serial Number _____

Date Purchased _____ Dealer _____

ATTENTION:
READ YOUR OPERATOR'S MANUAL

RHINO®
1020 S. Sangamon Ave.
Gibson City, IL 60936
800-446-5158
Email: parts@servis-rhino.com





TO THE OWNER/OPERATOR/DEALER

To keep your implement running efficiently and safely, read your manual 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; and
2. Provide Seatbelts that meet the requirements of this paragraph of this Standard and SAE J4C; and
3. Ensure that each employee uses such Seatbelt while the tractor is moving; and
4. Ensure that each employee tightens the Seatbelt sufficiently to confine the employee to the protected area provided by the ROPS.

REQUIRED OF THE OPERATOR

1. Securely fasten seatbelt 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 drawbar 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.

