



GreatER Bar™ Owners' Manual

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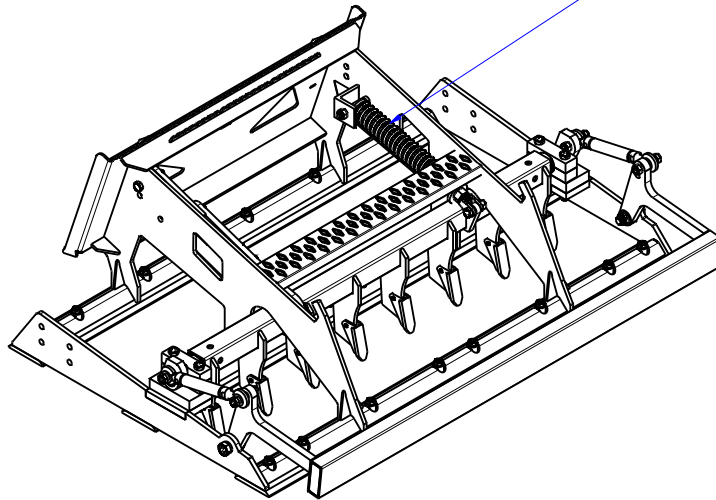
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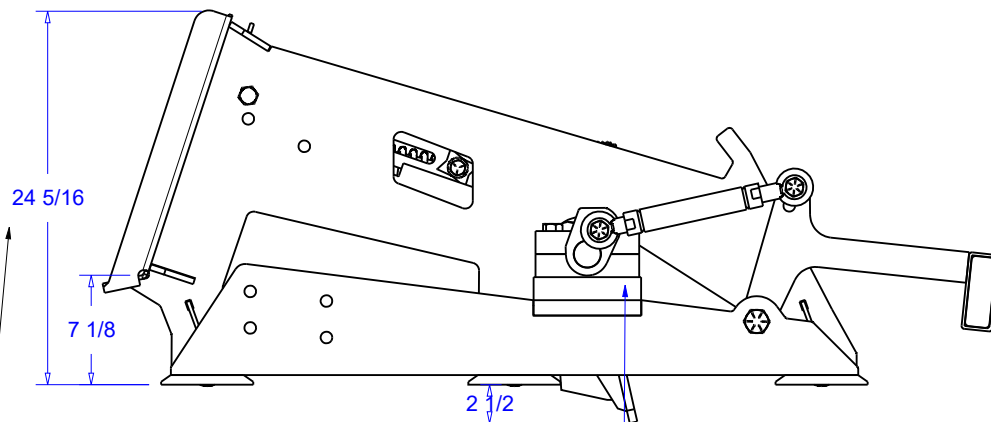
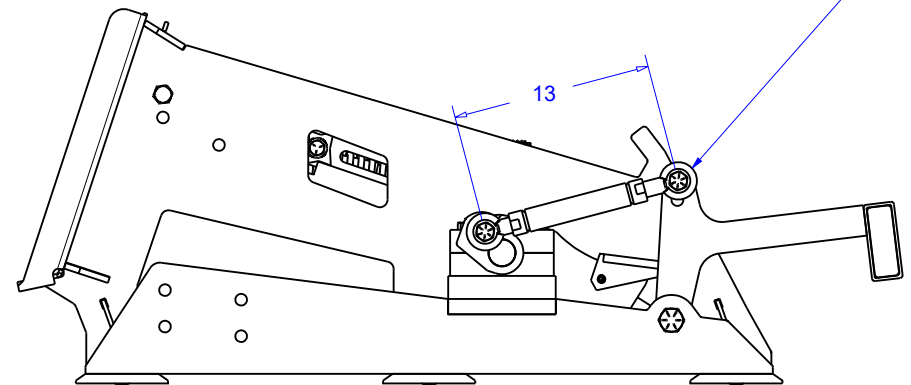
Grader Maintenance and Adjustment



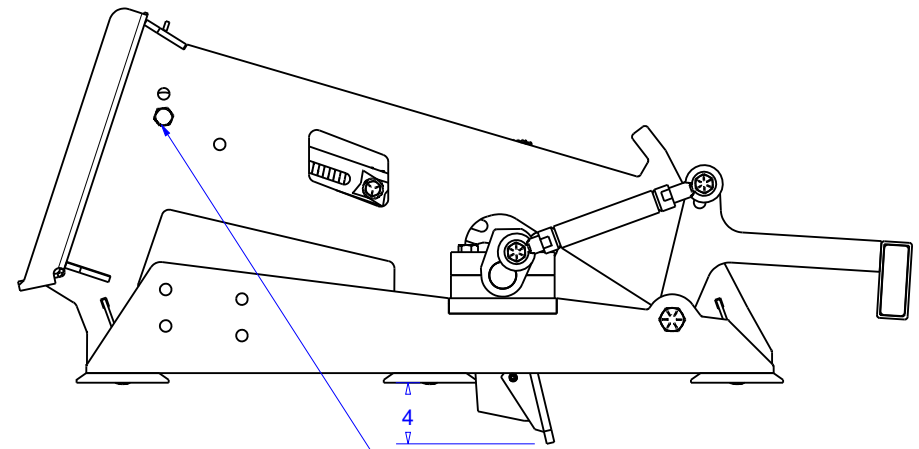
Spring tubes should be greased every 6 months.
Replace blades before wear in mounting angle begins



Default length for top link is 13". Lengthening or moving to the lower bolt hole will allow teeth deployment with less downward angle. However this will increase the pressure required to activate the teeth.
Lighter machines may need to reduce the length of the top link.



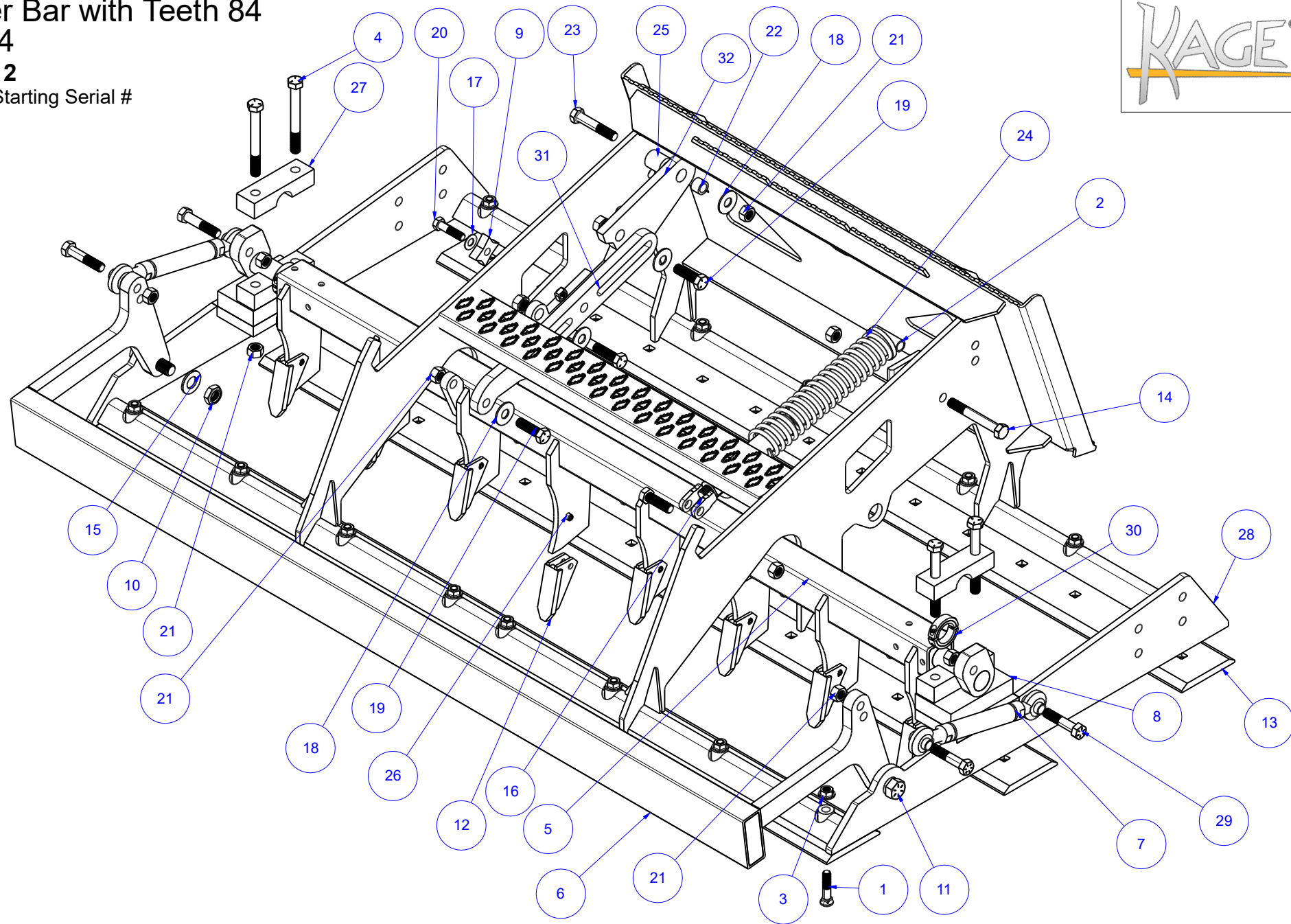
Note skid steer Minimum door height



Tooth depth can be increased 1-1/2" by removing the plastic spacer and lowering the Gear Plate to the lower bolt hole

Grader Bar with Teeth 84
GBT84

Version# 2
Version Starting Serial #



Grader Bar with Teeth 84 GBT84

Version#

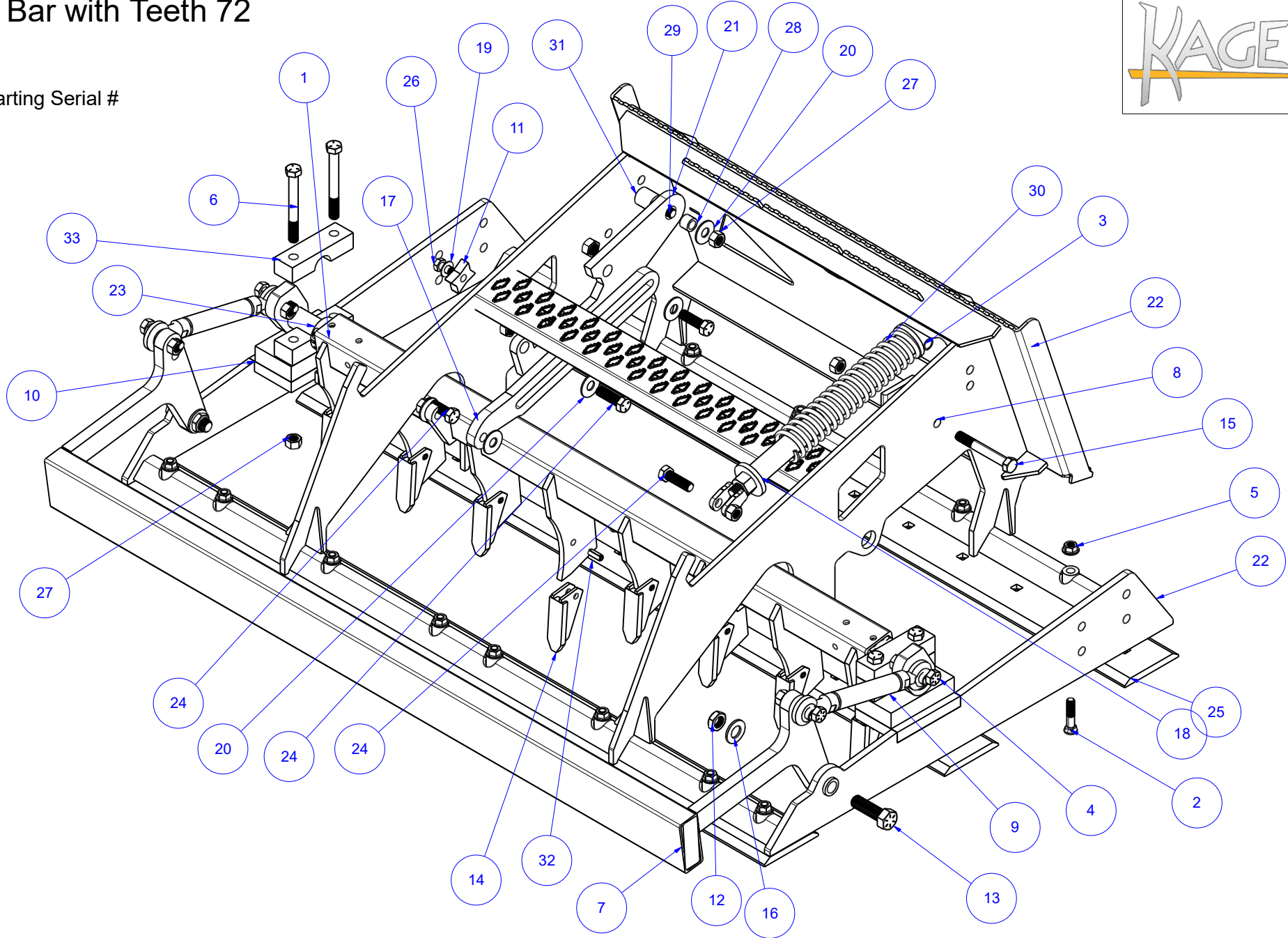
Version Starting Serial #



Item	Part Name	Part Number	Quantity	Alibre Part Revision
1	Plow Bolt 5/ 8-11 x 3	90934A806	24	1
2	Spring Top L	SP900	1	BLANK
3	Flange Locknut 5/8-11	3221357	24	BLANK
4	Hex Bolt GR5 3/4-10 x 6.5	91247A860	4	BLANK
5	Teeth Bar Weldment 84	G1275	1	1
6	Star Latch Lever Weldment 84	G1450	1	1
7	Top Link CAT I	22507	2	BLANK
8	Bar Spacer	G1108	2	2
9	Star gear	G1103	1	4
10	1-8 Thin Hex Nylock Nut Gr5	91342A260	2	BLANK
11	Hex Bolt Gr8 1-8 x 3.25	92620A959	2	1
12	Tooth Cap	G1300	8	1
13	Grader Cutting Edge 84	GCE84	3	1
14	Hex Bolt GR8 3/4-10 x 5.5	91257A857	1	BLANK
15	SAE Flat Washer 1 x 2	90126A038	2	BLANK
16	Spring Bottom 2013	SP-160	1	BLANK
17	Flat Washer 5/8	90126A035	1	BLANK
18	3/4" Flat Washer	90108A036	4	BLANK
19	Hex Bolt Gr5 3/4-10 x 2.5	92865A845	4	BLANK
20	Hex Bolt GR5 5/8-11 x 2.5	91247A804	1	BLANK
21	CenterLocknut GR2 3/4-10	90040A147-K5	12	BLANK
22	Gear Plate Bushing	G1551	1	2
23	Hex Bolt GR8 3/4-10 x 4"	91257A851	1	BLANK
24	Spring (old style)	SP1-4	1	
25	Gear Bushing	G1256	1	2
26	Roll Pin 1 x 1-1/2	95755A641	8	1
27	Rotation Block	G1106	4	3
28	Base Weldment 84	G1600	1	1
29	Hex Bolt GR8 3/4-10 x 3.5	91257A849	4	BLANK
30	Shaft Collar 1.75	3370K39	2	1
31	Guide Plate Weldment	G1150	1	1
32	Gear Plate Weldment	G1550	1	1

Grader Bar with Teeth 72
GBT72

Version# 2
Version Starting Serial #



Grader Bar with Teeth 72 GBT72

Version#

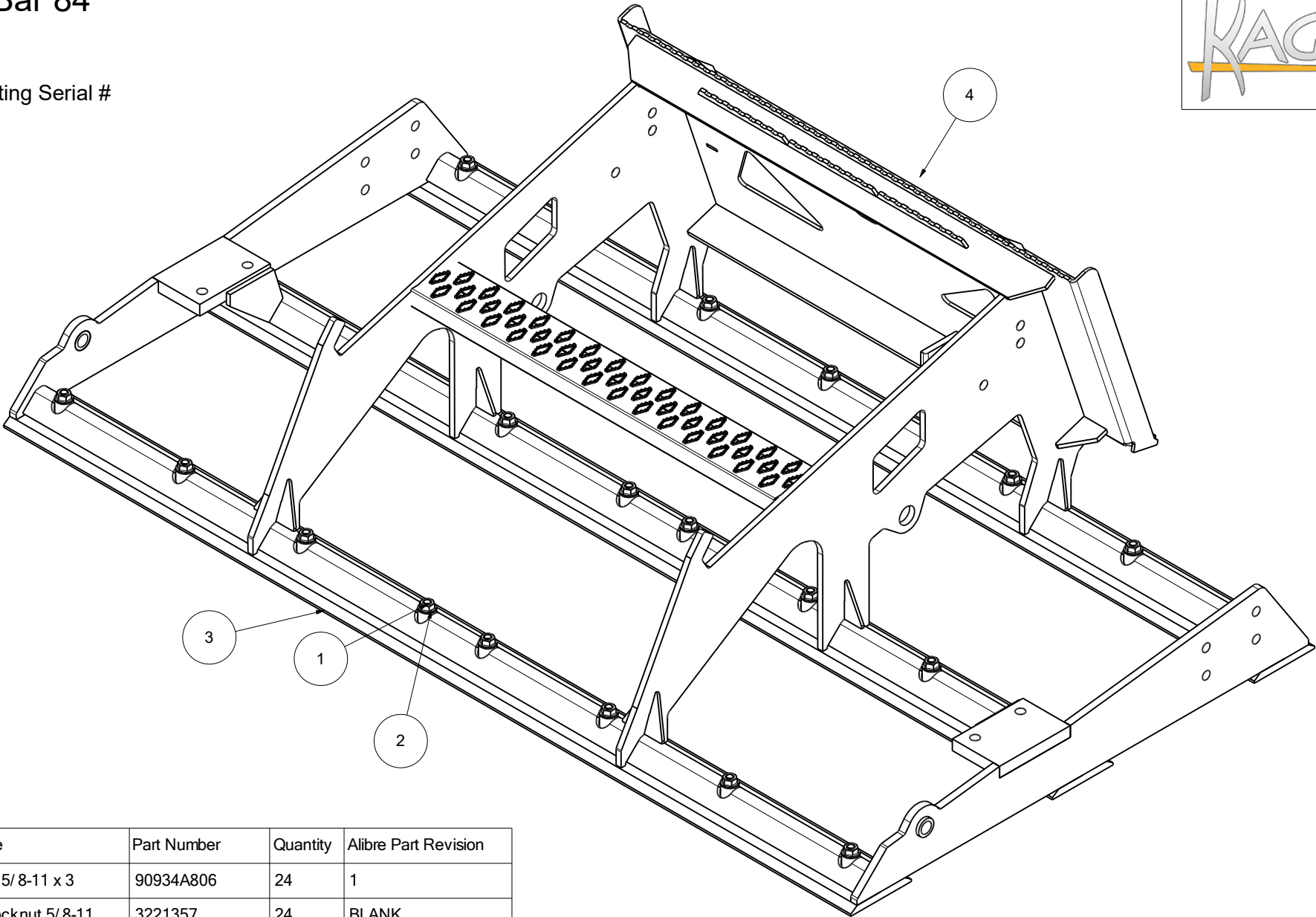
Version Starting Serial #



Item	Part Name	Part Number	Quantity	Alibre Part Revision
1	Teeth Bar Weldment 72	G1200	1	1
2	Plow Bolt 5/ 8-11 x 3	90934A806	24	1
3	Spring Top L	SP900	1	BLANK
4	Hex Bolt GR8 3/ 4-10 x 3.5	91257A849	4	BLANK
5	Flange Locknut 5/ 8-11	3221357	24	BLANK
6	Hex Bolt GR5 3/ 4-10 x 6.5	91247A860	4	BLANK
7	Star Latch Lever Weldment 72	G1400	1	1
8	Bushing .75 x .5	98042A718	1	BLANK
9	Top Link CAT I	22507	2	BLANK
10	Bar Spacer	G1108	2	2
11	Star gear	G1103	1	4
12	1-8 Thin Hex Nylock Nut Gr5	91342A260	2	BLANK
13	Hex Bolt Gr8 1-8 x 3.25	92620A959	2	1
14	Tooth Cap	G1300	8	1
15	Hex Bolt GR8 3/ 4-10 x 5.5	91257A857	1	BLANK
16	SAE Flat Washer 1 x 2	90126A038	2	BLANK
17	Guide Plate Weldment	G1150	1	1
18	Spring Bottom 2013	SP-160	1	BLANK
19	Flat Washer 5/ 8	90126A035	1	BLANK
20	3/ 4" Flat Washer	90108A036	5	BLANK
21	Gear Plate Weldment	G1550	1	1
22	Base Weldment 72	G1500	1	1
23	Shaft Collar 1.75	3370K39	2	1
24	Hex Bolt Gr5 3/ 4-10 x 2.5	92865A845	4	BLANK
25	Grader Cutting Edge 72	GCE72	3	1
26	Hex Bolt GR5 5/ 8-11 x 2.5	91247A804	1	BLANK
27	CenterLocknut GR2 3/ 4-10	90040A147-K5	12	BLANK
28	Gear Plate Bushing	G1551	1	2
29	Hex Bolt GR8 3/ 4-10 x 4"	91257A851	1	BLANK
30	Spring (old style)	SP1-4	1	
31	Gear Bushing	G1256	1	2
32	Roll Pin 1 x 1-1/ 2	95755A641	8	1
33	Rotation Block	G1106	4	3

Grader Bar 84
GB84

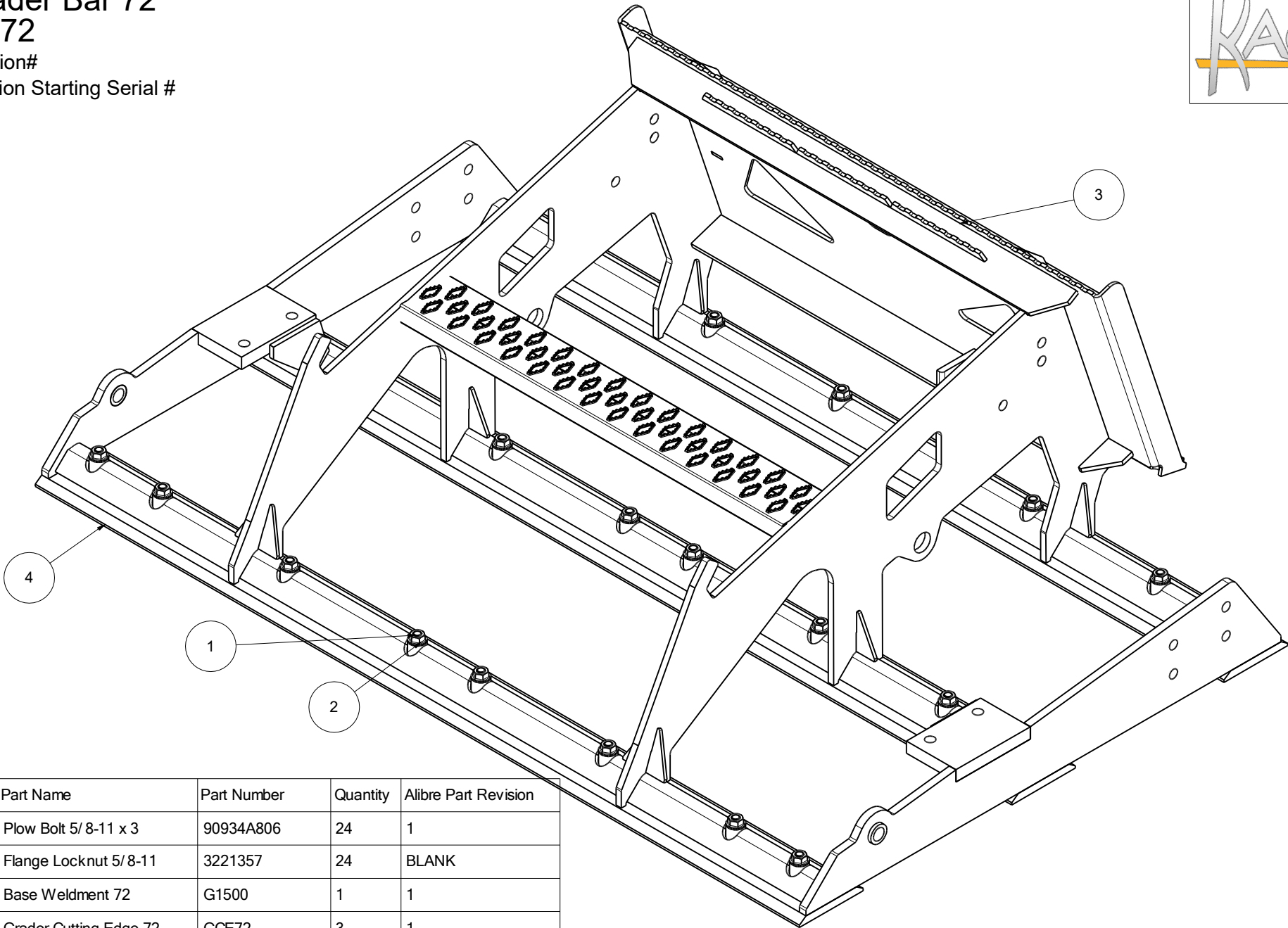
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Grader Bar 72
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1	Plow Bolt 5/8-11 x 3	90934A806	24	1
2	Flange Locknut 5/8-11	3221357	24	BLANK
3	Base Weldment 72	G1500	1	1
4	Grader Cutting Edge 72	GCE72	3	1

Kage Limited Warranty

Kage Innovation will repair or, at the option of Kage Innovation, replace those parts which prove defective due to material or workmanship under normal use for a period of two (2) years from the date of retail sale or date of invoice from Kage Innovation, whichever is later. Expendable items, such as rubber, or polyurethane are excluded from this warranty.

Kage Innovation warrants that the products manufactured by us to be in accordance with our published specifications or those specifications agreed to by us in writing at the time of sale. The obligation of Kage Innovation is expressly limited to repairing or replacing, at its option, any product not meeting such specifications within the warranty period.

LIMITATIONS OF WARRANTY AND DAMAGES

KAGE INNOVATION MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND MAKES NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR ANY PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF.

IN NO EVENT SHALL KAGE INNOVATION, BE HELD LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES RESULTING FROM MISAPPLICATION, ABUSE, MISUSE, ACTS OF GOD, UNAUTHORIZED ALTERATION OF THE KAGE INNOVATION PRODUCT, OR SUBSTITUTION OF PARTS NOT AUTHORIZED IN WRITING BY KAGE INNOVATION.

To obtain service under this warranty the consumer must return the defective Kage Innovation product to Kage Innovation directly, the dealer from which the product was purchased or to any authorized Kage Innovation dealer, transportation and freight charges prepaid. Only Kage Innovation dealers are authorized to perform the obligations under this warranty with pre-authorization from Kage Innovation.

No person is authorized to alter or amend this warranty or to create any warranty other than that set forth herein without the expressed written consent of Kage Innovation.

Kage Innovation reserves the right to make improvement changes on any of our products without prior notice.