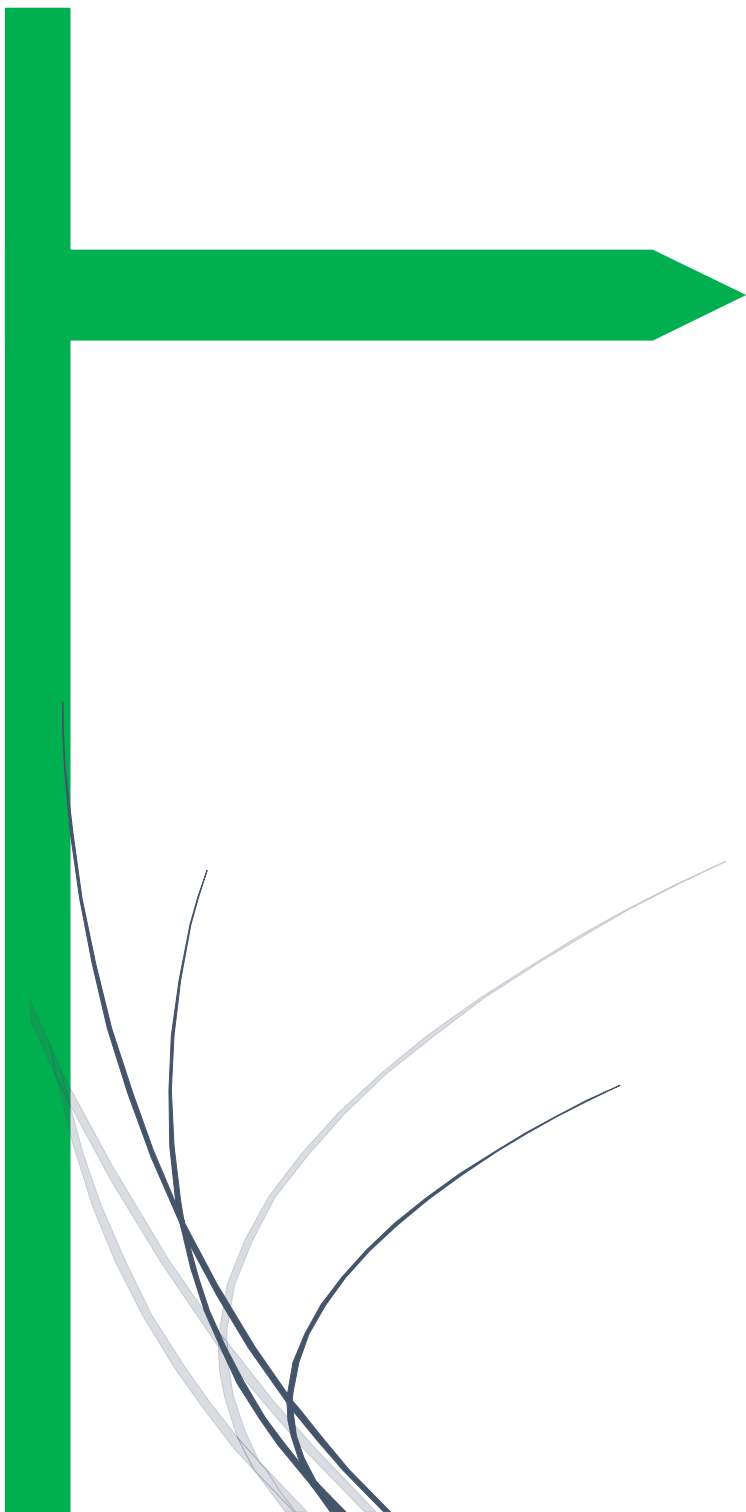
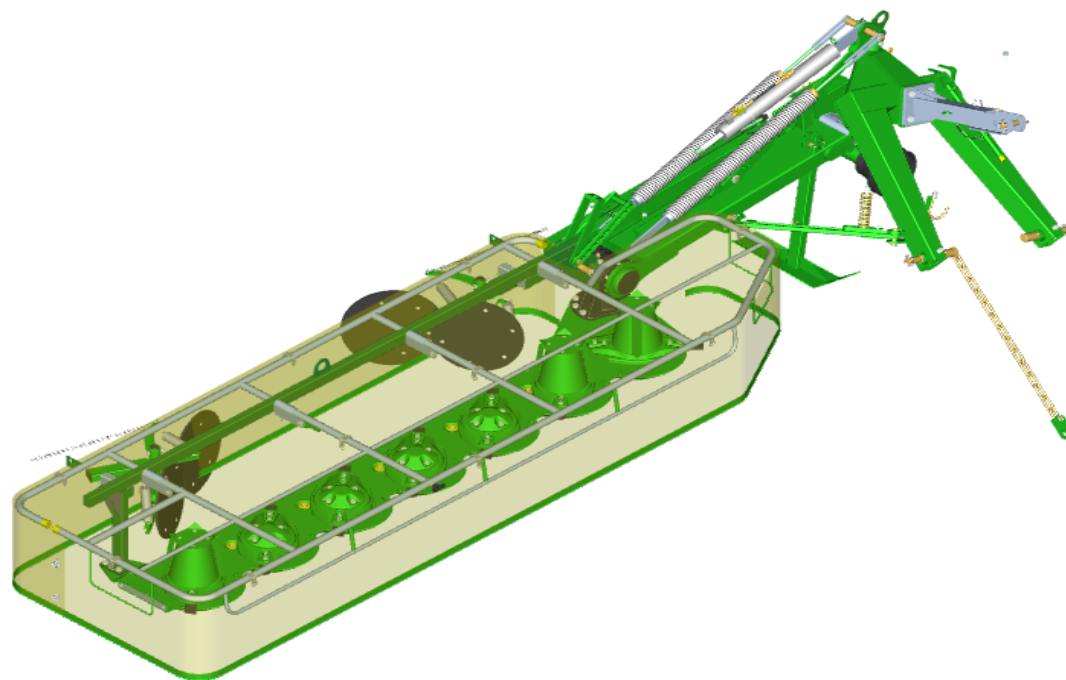


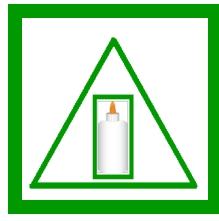
ASSEMBLY INSTRUCTIONS FOR KDT MOWERS



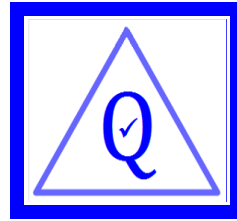
Designations and symbols used:



safety



use adhesive



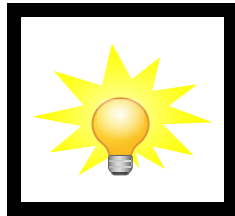
quality



use torque
wrench




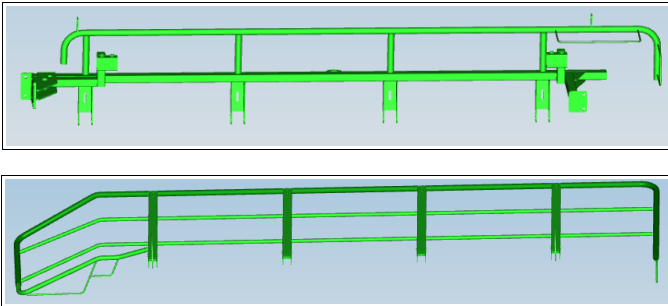
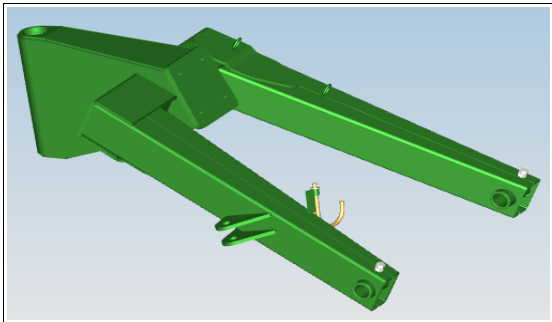
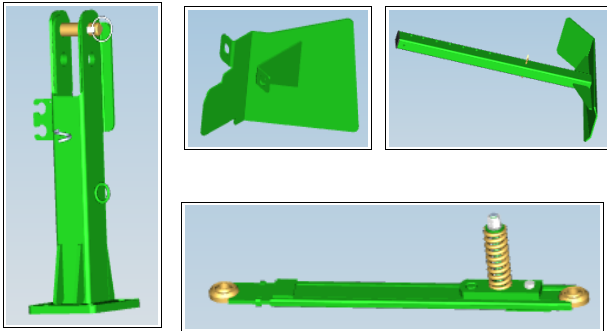

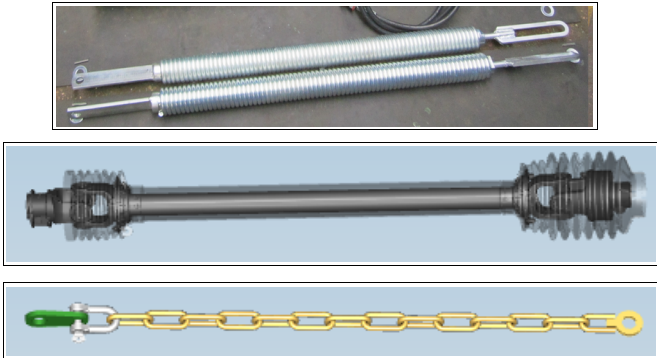
element lifting on
hook or sling

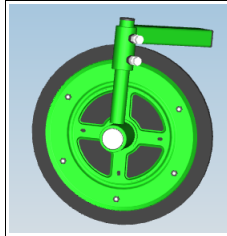
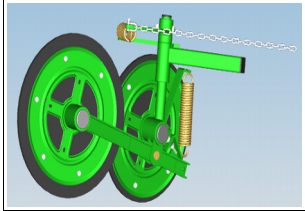


advice, recommendation

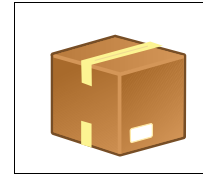
Checklist

MACHINE TYPE: KDT

<p>A</p> 	<p>B</p> 	<p>C</p> 
<ol style="list-style-type: none"> 1. Cutting unit – 0227.00.00.007 2. Carrying beam – 224.02.00.00_5 	<ol style="list-style-type: none"> 1. Welded frame – 227.04.01.00_6 2. Guard frame – 227.04.02.00_6 	<ol style="list-style-type: none"> 1. Hitch – 225.01.01.00_5
<p>D</p> 	<p>E</p> 	<p>F</p> 
<ol style="list-style-type: none"> 1. Upper hitch – 225.01.02.00 2. Transmission guard – 224.04.05.00 (KDT 180, 220, 260, 340 version) 3. Support foot – 225.02.05.00 4. Safety device – 225.03.00.00 	<ol style="list-style-type: none"> 1. Set: cylinder (0225.01.08.000) + welded head (225.01.04.00) + skew strip (225.01.05.00) + pawl (225.04.07.00) + cylinder screwed extension (225.04.10.00_4) + hydraulic hose M14x1.5 L-2700 A-A 	<ol style="list-style-type: none"> 1. Spring d10 (set) – 2pcs. 2. PTO transmission shaft – MIWB-091-000 3. Limiting chain complete – 225.01.00.00_5

Checklist**MACHINE TYPE: KDT****G**

1. Right guide – 227.07.00.00
2. Left guide – 224.06.00.00

H

1. Safety curtain.
2. Box with fastening elements.

I



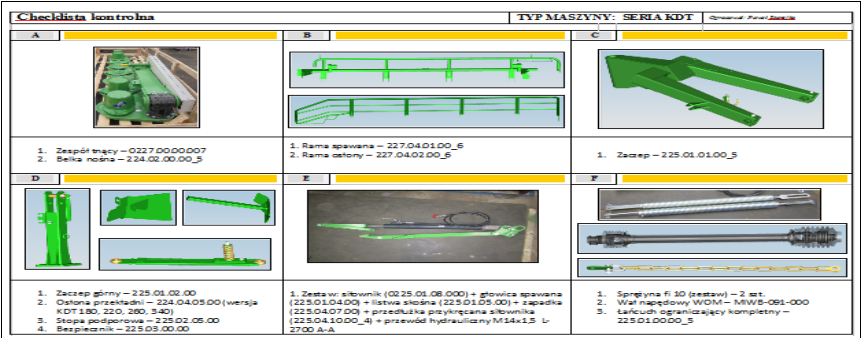

Checklist – Machine completeness KDT


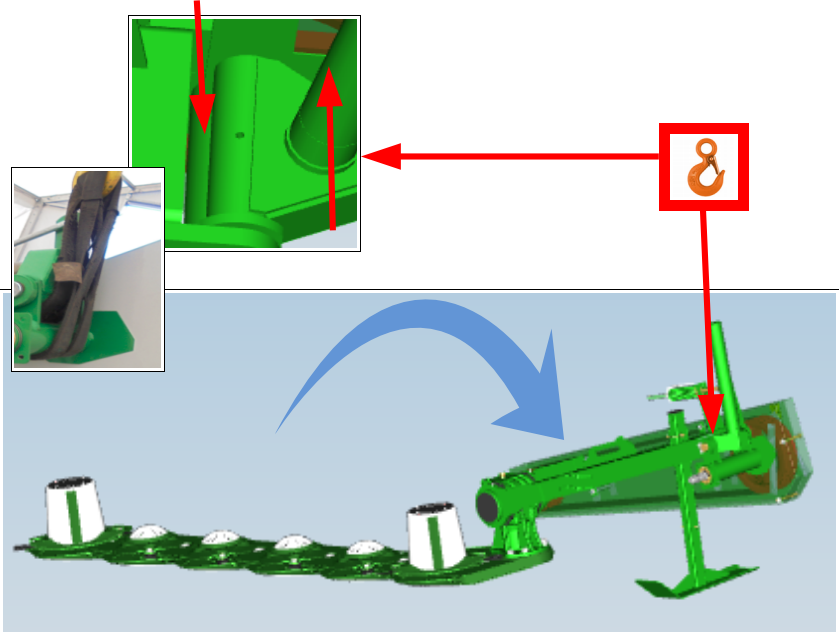

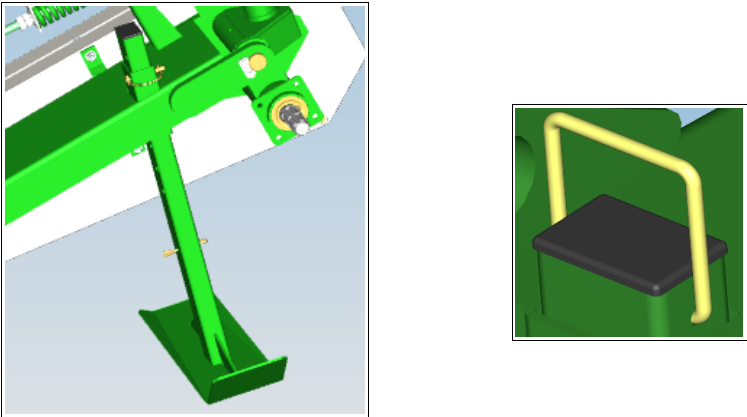
Date	
Machine number	
Prepared by	





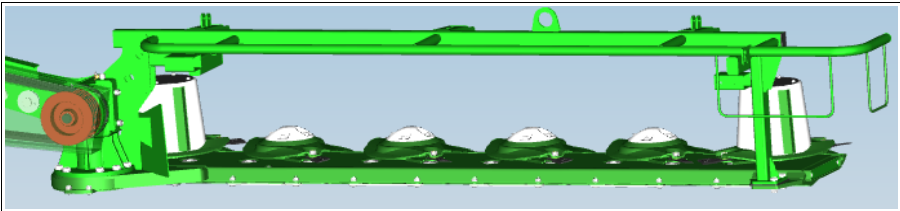
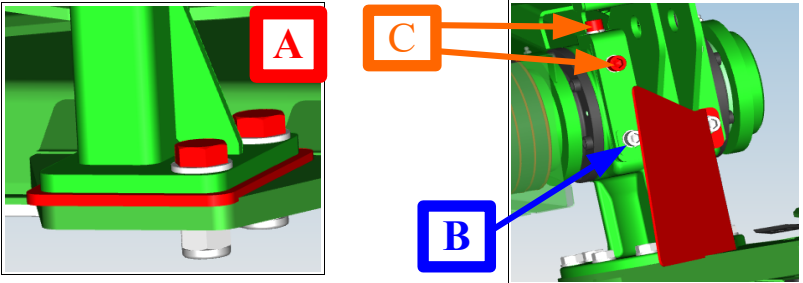
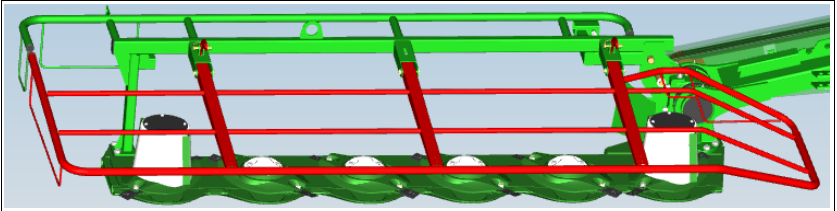
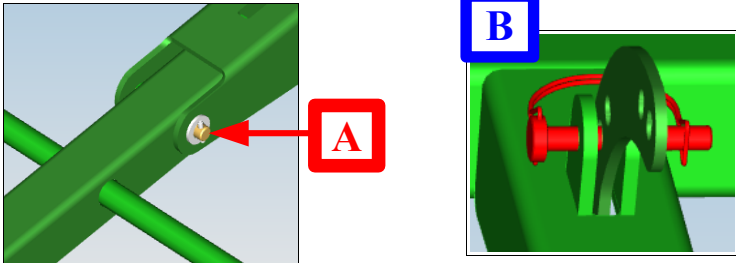
No.	Element name	Quantity	Name of sub-assembly which the element is assembled to				
BAG No. 1-10 – Machine elements				✓		✓	
B O X	1	Cotter 10x70 zinc-pl. for pipes	1pce	Support foot (D) with carrying beam (A).			
		Wire handle	1pce				
	2	Rubber separator		1pce	Welded frame (B) with transmission guard – (KDT 180, 220, 260, 340 version) with cutting unit (A).		
		Washer d14 zinc-pl.		8pcs.			
		Nut M14 cl. 8 zinc-pl.		2pcs.			
		Bolt M14x35 cl. 8.8 zinc-pl. KDT 300 version		8pcs.			
		Bolt M14x35 cl. 8.8 zinc-pl. KDT (180, 220, 260,340) version		6pcs.			
	3	Pin d12x90		4pcs.	Guard frame (B) with welded frame (B).		
		Dowel pin d4x20		8pcs.			
		Washer d12		8pcs.			
	4	Washer d16		4pcs.	Upper hitch (D) with hitch (C).		
		Bolt M16x45		4pcs.			
	5	Washer d14 zinc-pl.		1pce	Hitch (C) with carrying frame (A). Set (E) with carrying frame (A).		
		Nut M14 zinc-pl.		1pce			
		Bolt M14x110 cl. 8.8 zinc-pl.		1pce			
		Dowel pin 5x30 stainless		2pcs.			
		Washer d22 zinc-pl.		2pcs.			
	6	Pin SO d22 L-62		1pce	Safety device (D) with carrying frame (A).		
		Dowel pin 5x36		4pcs.			
		Washer d22 zinc-pl.		4pcs.			
	7	Pin SO d22 L-82		2pcs.	Springs d10 set (F) with carrying beam (A).		
		Dowel pin 5x30		4pcs.			
	8	Washer d22 zinc-pl.		4pcs.	Right and left guide (G) with welded frame (B)		
		Nut M12 cl. 8 zinc-pl.		4pcs.			
		Bolt M12x35 cl. 8.8 zinc-pl.		4pcs.			



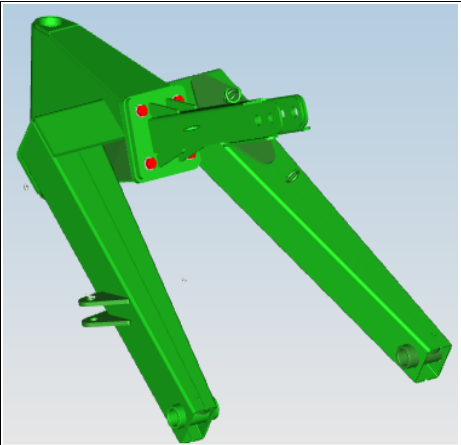

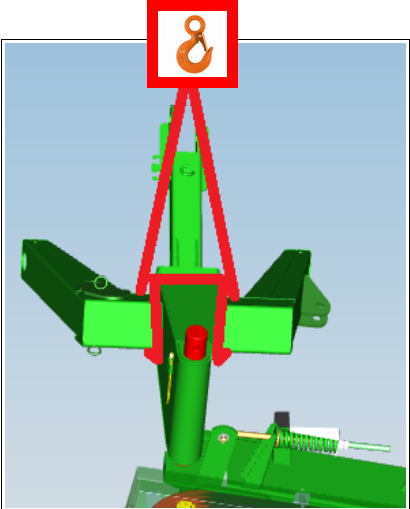

Checklist – completeness of the box with fastening elements				Machine no.	
				Date	
No.	Name	Reference	Quantity		
Box	Protection pin	0225.01.12.000	1		
	Pin d12 I-90	00SO.12.00.090	4		
	Upper hitch pin	0225.01.11.000	1		
	Pin SO d22 L-62	SO.22.00.062	1		
	Pin SO d22 L-82	SO.22.00.082	2		
	Spring tension lower pin	0225.04.08.000	1		
	Hitch pin L cat. III (KDT 300, 340)	0224.01.05.000	1		
	Hitch pin R cat. III (KDT 300, 340)	0224.01.06.000	1		
	Rubber separator	225.04.04.00	1		
	Knife replacement lever	0540.03.67.003	1		
	Wire handle	225.02.05.03	1		
	Shaft support	225.07.01.00	1		
	Ball cat. 2 (KDT 180, 220, 260), cat.3 (KDT 300, 340)	0544.01.65.002	2		
	Cotter 10x70 zinc-pl. for pipes	MZZZ-010-000	3		
	Cotter pin A11x45	MZZP-000-001	3		
	Rubber hanger complete with resilient wheels	0225.01.20.001	2		
	Metal band clip 100-120	MIIO-100-000	1		
	Dowel pin d4x20 stainless	MZZK-004-001	8		
Dowel pin 5x30 stainless	MZZK-005-005	4			

	Dowel pin 5x36 stainless	MZZK-005-006	8		
	Circlip Z 32	MZSE-032-000	2		
	Washer d10 zinc-pl.	MZPP-010-001	1		
	Washer d12 zinc-pl.	MZPP-012-002	8		
	Washer d14 zinc-pl.	MZPP-014-001	9		
	Washer d16 zinc-pl.	MZPP-016-001	4		
	Washer d20 zinc-pl.	MZPP-020-001	4		
	Washer d22 zinc-pl.	MZPP-022-001	6		
	Nut M12 cl. 8 zinc-pl.	MZNZ-012-002	6		
	Nut M14 cl. 8 zinc-pl.	MZNZ-014-002	2		
	Self-locking nut M14 cl. 8 zinc-pl.	MZNS-014-004	1		
	Bolt M12x35 cl. 8.8 zinc-pl.	MZSZ-012-003	4		
	Set screw M12x60 cl. 8.8 zinc pl.	MZWK-012-001	2		
	Bolt M14x35 cl. 8.8 zinc-pl.	MZSZ-014-005	8		
	Bolt M14x110 cl. 8.8 zinc-pl.	MZSZ-014-007	1		
	Bolt M16x45 cl. 8.8 zinc-pl.	MZSZ-016-008	4		

		MACHINE: KDT		
No.	ACTION		DESCRIPTION	FIGURE / PHOTO
1	Unloading of sets from container.		The KDT machines are packaged completely with single subassemblies in separate boxes. Depending on an available forklift truck boxes should be taken down one a time or in sets.	
2	Checking for completeness.		Once unloaded from container, check items for completeness with the checklist, and fastening elements in the box for completeness with the checklist above. If everything is in order start assembling the mower. If any part is missing, contact the supplier within 7 days from the delivery.	 

		MACHINE: KDT		
No.	ACTION		DESCRIPTION	FIGURE / PHOTO
3	Unfolding machine, installing support foot.		<p>Before assembling, remove side walls of transport box.</p> <p>Before installation unfold carrying beam which is supported on the cutterbar. Lower the beam suspended on a strap passed through points shown in illustration.</p>	
			<p>Before lowering the beam install support foot and lock with cotter 10x70 for pipes. Mount wire handle.</p>	

		MACHINE: KDT		
No.	ACTION		DESCRIPTION	FIGURE / PHOTO
4	Assembling welded frame.	   	<p>Fasten welded frame to mowing aggregate using bolts:</p> <p>A – place rubber separator and tighten with bolts M14x35 cl. 8.8 zinc-pl. + washer d14 zinc-pl. + nut M14 cl. 8 zinc-pl. + blue assembly adhesive. Use torque wrench and tighten to 90Nm.</p> <p>B – fasten to transmission guard (KDT 180, 220, 260, 340) using socket head hex bolts M14x40 cl. 8.8 zinc-pl. + washers d14 zinc-pl. and bolts M14x35 cl. 8.8 + washers d14 zinc-pl. + blue assembly adhesive – C. Use torque wrench and tighten to 140Nm.</p>	 
5	Assembling guard frame.		<p>Assemble the guard using pins d12 L=90 by locking with dowels (6x washer d12 zinc-pl., 6x dowel pin d4x20) - A Secure the guard using cotters 10x70 zinc-pl. - 2pcs. - B</p>	 

		MACHINE: KDT		
No.	ACTION		DESCRIPTION	FIGURE / PHOTO
6	Assembling hitch.	 	Fasten upper hitch to the hitch using bolts M16x45 cl. 8.8 zinc-pl. + washers M16 zinc-pl. + blue assembly adhesive. Use torque wrench and tighten to 200Nm .	
			Place mounted hitch as shown on a greased vertical axle.	 

MACHINE: **KDT**

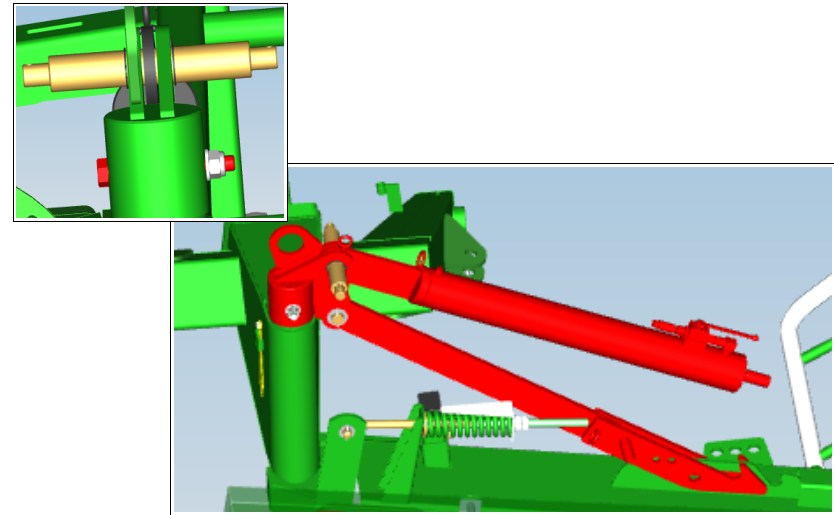
No.

ACTION

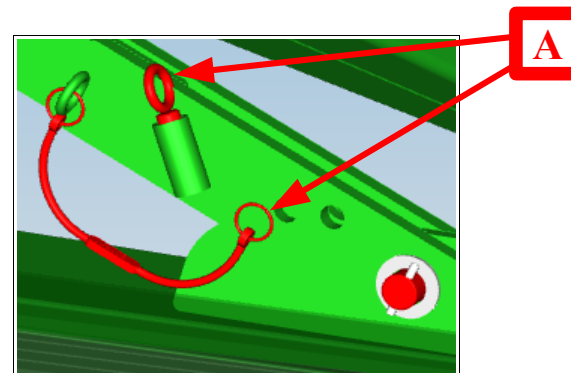
DESCRIPTION

FIGURE / PHOTO

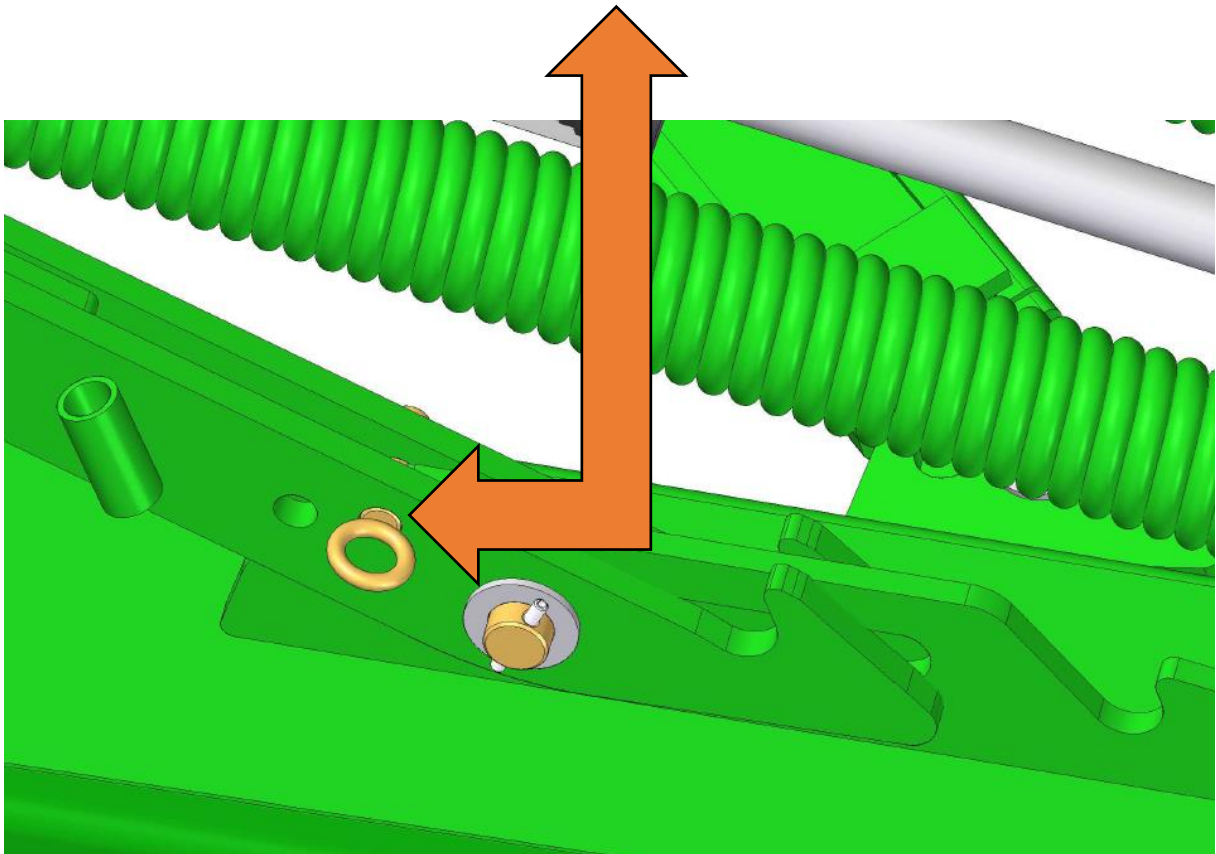
On vertical axle, install welded head together with cylinder and skew strip. Fasten the head using bolt M14x110 cl. 8.8 zinc-pl. + washer d14 zinc-pl. + nut M14 cl. 8 zinc-pl. Place the cylinder and the skew strip on the frame, while paying attention not to scratch any details.


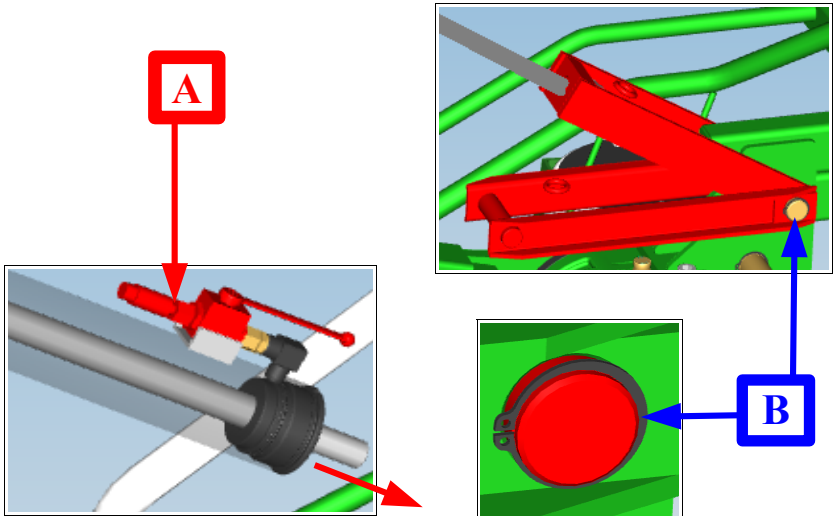
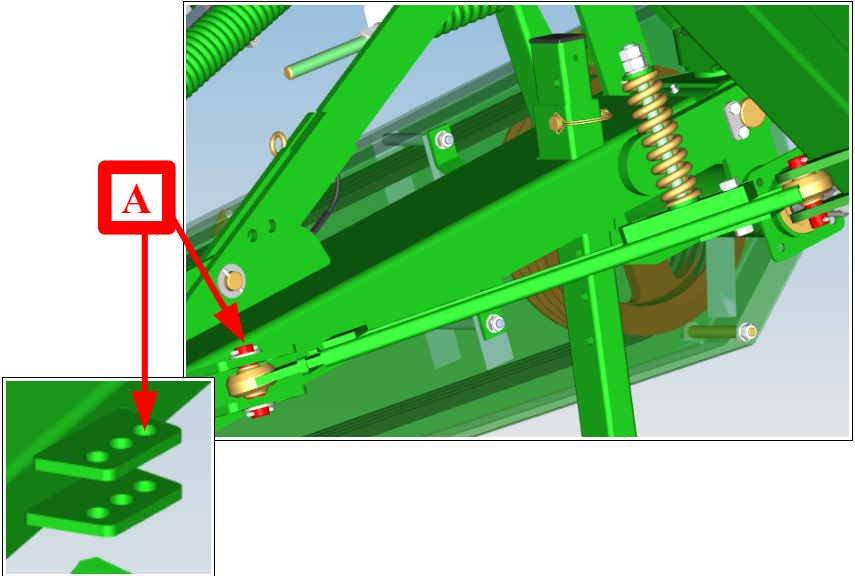


Lock the skew strip on skew beam using pin SO d22 L-62. Install washers d22 zinc-pl. on the pin. Hammer dowel pins 5x36 stainless. Install protection pin and rubber hanger complete with resilient wheels. Install one resilient wheel on the pin and the other on the eye of the skew strip - **A**.

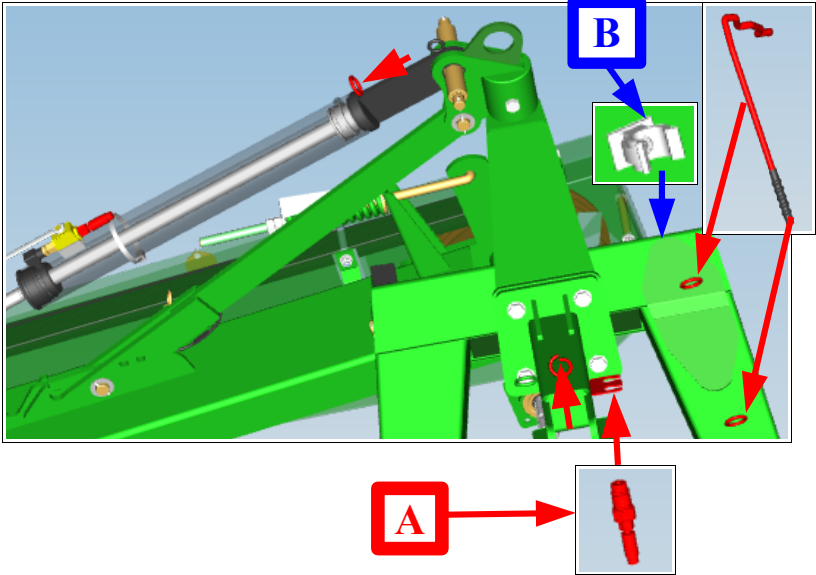
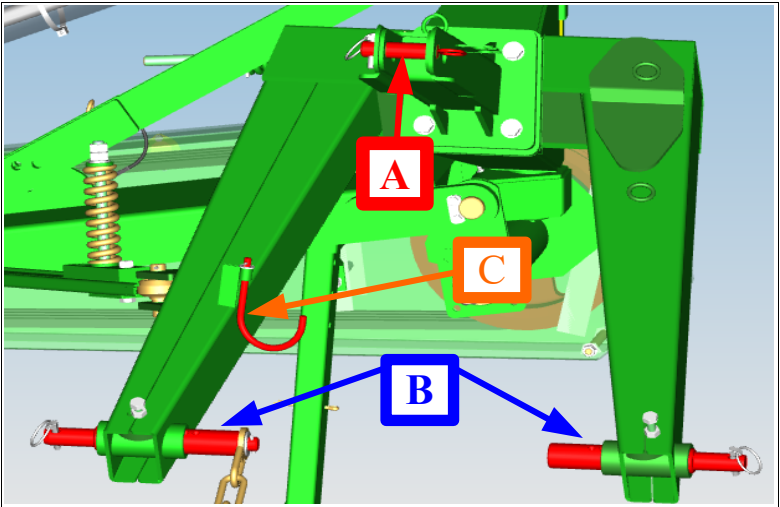


REMEMBER TO INSERT THIS PIN
WHILE ASSEMBLING BEVEL BAR
IN ORDER TO KEEP THE HEADSTOCK LEVEL

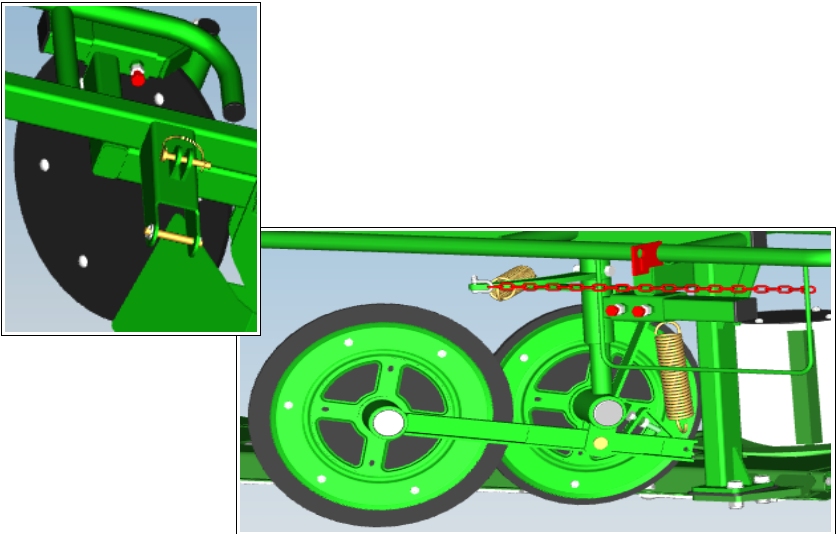
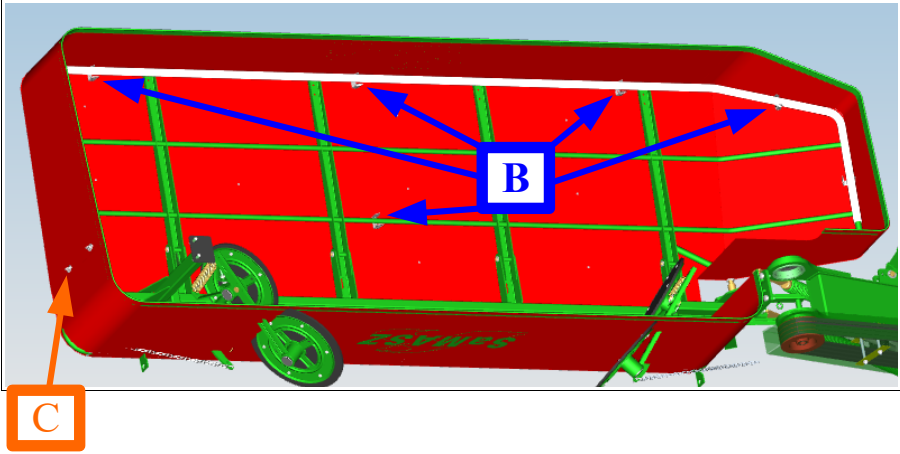


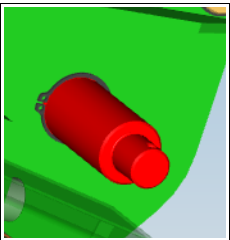
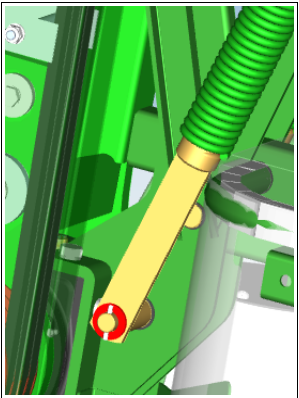

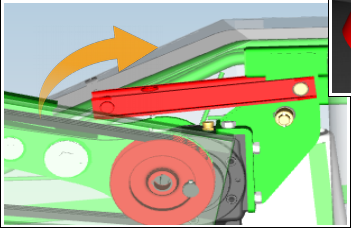
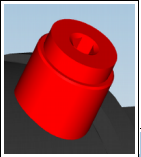
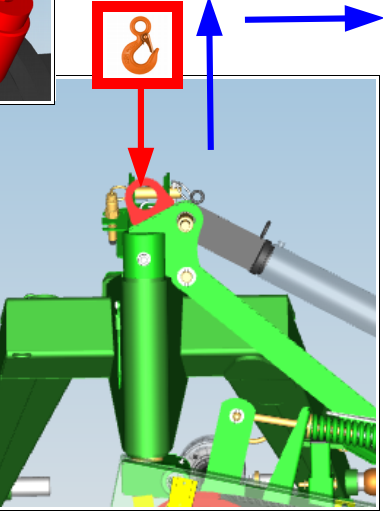
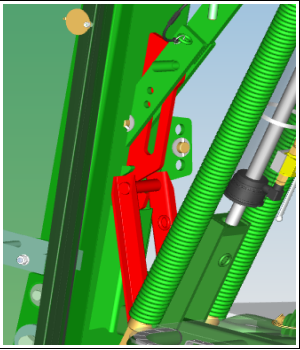
		MACHINE: KDT		
No.	ACTION		DESCRIPTION	FIGURE / PHOTO
			<p>Detach hydraulic hose M14x1.5 L-2700 - A from connector on the cylinder. Open vent on the cylinder.</p> <p>Open valve on the cylinder, protect the connector with a cleaning agent (likelihood of a hydraulic oil leak!) and retract cylinder rod with the pawl.</p> <p>Once the rod is retracted, unlock Seeger ring Z-25 on the pawl pin, remove the pin, fit pawls on the welded frame and put the pin through again. Secure the pin with Seeger ring Z-25 – B. Close the vent.</p>	
7	Installing safety device.		<p>Mount safety device. Secure using pins SO d22 L-82. Install washers d22 zinc-pl. on the pins; hammer dowel pins 5x36 stainless. Mount safety device in carrying frame in the marked hole – A.</p>	

MACHINE: **KDT**


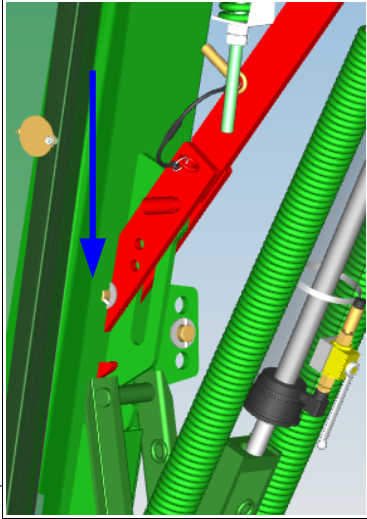
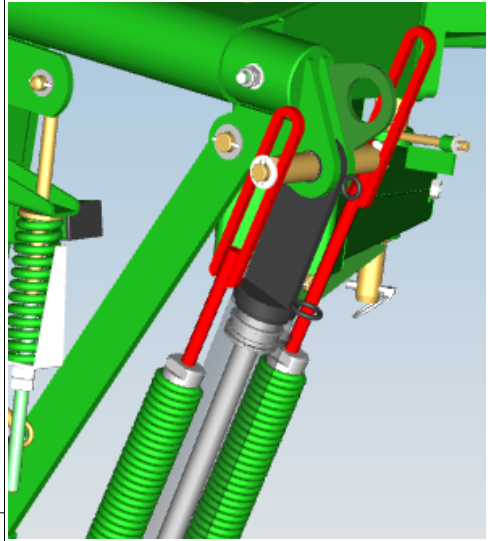
No.	ACTION	DESCRIPTION	FIGURE / PHOTO
8	Preparing hitch.	<p>Put the previously detached hydraulic hose through eyes as marked, and fasten them to connector on the cylinder. Put the end of hose with EURO connector and the cover on the hanger – A.</p> <p>In eyes on the hitch, install the lever for knife replacement, and then push it into the mounted holder – B.</p>	 <p>The diagram shows a green hydraulic cylinder and lever assembly. A red arrow points to a red connector labeled 'A'. A blue arrow points to a blue lever holder labeled 'B'. An inset shows a red hose with a connector. Another inset shows a red lever being inserted into a holder.</p>
		<p>Install upper hitch pin – A. Secure with cotter pin A11x45.</p> <p>Install greased hitch pins, left and right, cat. II (KDT 180, 220, 260) and cat. III (KDT 300, 340) as shown. Install ball cat. 3 (KDT 300, 340) and then cotter pins A11x45 – B. Secure the pins using set screws M12x60 cl. 8.8 zinc-pl. with mounted nuts M12 cl. 8. zinc-pl.</p> <p>Install shaft support – C. Secure using washer d10 zinc-pl. and dowel pin 4x20 stainless.</p>	 <p>The diagram shows a green hitch assembly with two main arms. A red arrow points to a red upper hitch pin labeled 'A'. A blue arrow points to two red greased hitch pins labeled 'B'. An orange arrow points to a red shaft support labeled 'C'.</p>


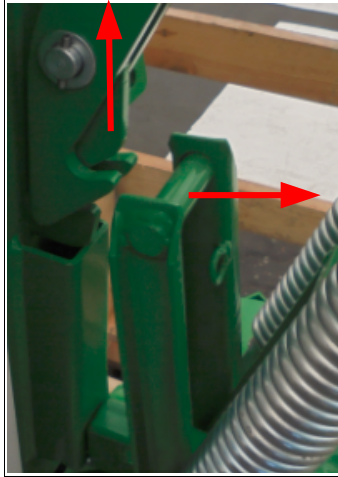
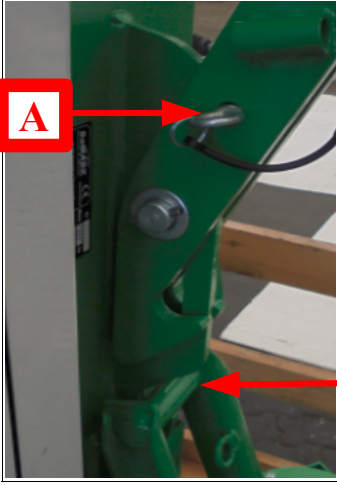


		MACHINE: KDT	
No.	ACTION	DESCRIPTION	FIGURE / PHOTO
		<p>Install limiting chain on hitch pin left – secure using washer d22 zinc-pl. dowel pin 5x36 stainless - A.</p> <p>Secure upper hitch pin by installing rubber hanger in points shown in figure B.</p>	
9	Installing PTO shaft.	<div style="display: flex; align-items: center;"> <p>Install the PTO shaft as shown. Grease the splined shaft.</p> </div> <div style="display: flex; align-items: center;"> <p>Install the shaft so that the latch is engaged on splines.</p> </div> <p>Position the shaft convoluted boot so that revision holes are directed downwards, and then fasten it using band clip 100-120.</p> <p>Once installed, put the shaft on the support.</p>	

		MACHINE: KDT	
No.	ACTION	DESCRIPTION	FIGURE / PHOTO
10	Mounting guides.	<p>Mount right and left guide by fastening bolts M12x35 cl. 8.8 zinc-pl. with screwed nuts M12 cl. 8 zinc-pl.</p> <p>Lock adjustment chain for right guide in a special flat shown in figure.</p>	
11	Assembling safety curtain.	<p>Unfold safety curtain. Fasten safety curtain to lifted guards – B. Couple safety curtains and swivel eyes – C.</p>	

		MACHINE: KDT		
No.	ACTION		DESCRIPTION	FIGURE / PHOTO
12	Installing support springs.		<p>Install lower pin for spring tension and secure using Seeger rings Z-32 at both sides.</p> <p>Install springs d10 on the pin as shown, lock using washers d20 zinc-pl. and dowel pins 5x36 stainless.</p>	 
			<p>Before the hitch is lifted, open the vent on the cylinder for venting.</p> <p>Lift the pawl. Lift the hitch slowly, while moving it right so that the pawl is fitted as shown.</p>	   

MACHINE: **KDT**

No.	ACTION		DESCRIPTION	FIGURE / PHOTO
			<p>Lower the hitch slowly so that the skew strip fits into the pawl. In this position it is possible to install springs on the upper pin. Close the vent.</p>	
			<p>Install tension bolts onto the pin and lock with washers d20 zinc-pl. and dowel pins 5x36 stainless.</p>	

		MACHINE: KDT		
No.	ACTION		DESCRIPTION	FIGURE / PHOTO
13	Checking function of transport lock, setting machine in transport position or for mounting on tractor.		Pull the pawl away. Lift the hitch up to install protection pin in lock hole - A . Re-install the pawl.	  
			<p>With such position of the transport lock the whole machine can be lifted safely.</p> <p>To unfold the machine, pull the pawl away, remove the protection pin, lower the hitch by placing support foot on the ground. The machine is ready to be mounted on a tractor.</p>	