



TP-CA2007

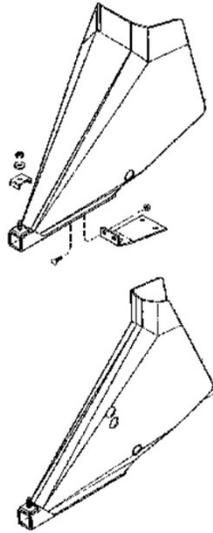
Adaptation manual for double command
Kit for CASE



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Take right original finger, detach chain.

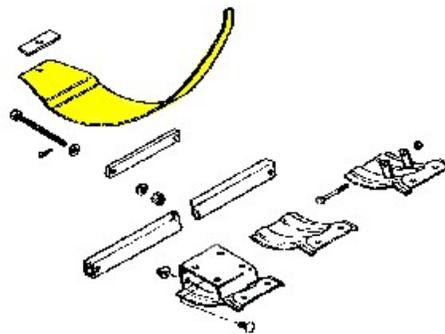


Picture 01



Picture 02

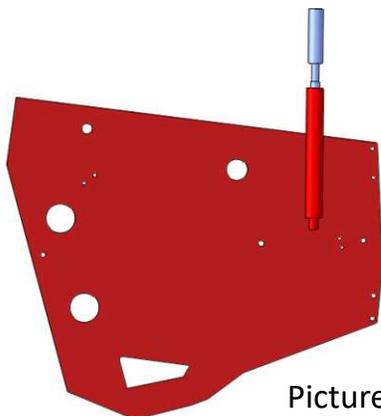
Disassemble original bucksaw that is next to the finger we just took off.



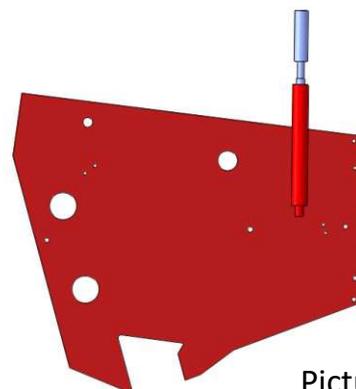
Picture 03

Cut the front of the chassis through which we will put the beam for the right bench.

On the left side of the platform, anyway, we will be able to observe and decide which parts need to be eliminated on the right side.



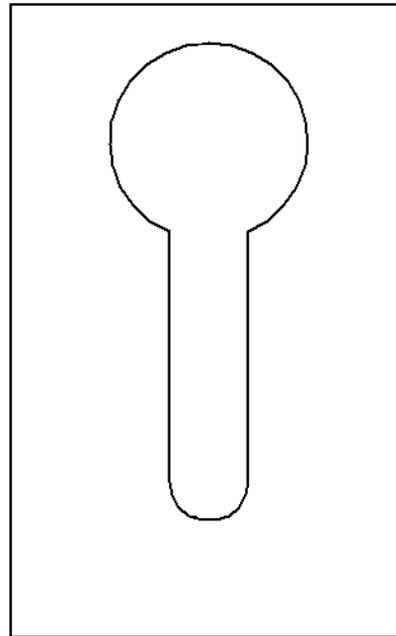
Picture 04



Picture 05

See picture 2 and change original part, weld it in its sides.
Take endless command tensor gears, take endless gears, dismantle full endless command hexagonal bar and cover, loose and take off height bulldozer.
Unweld (cut welding) tensor support bolts.

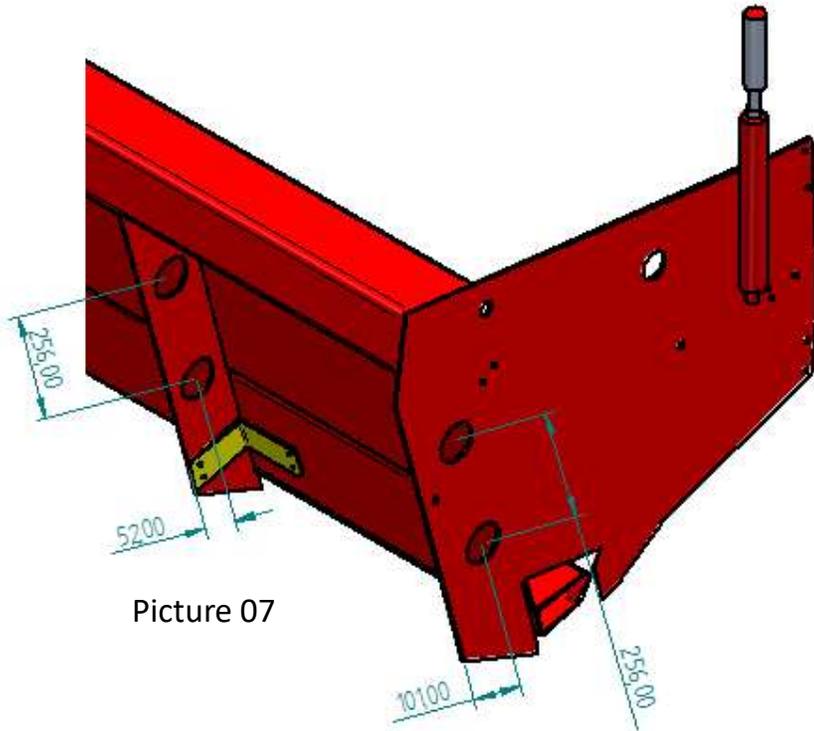
Tensor support
for spiral gears



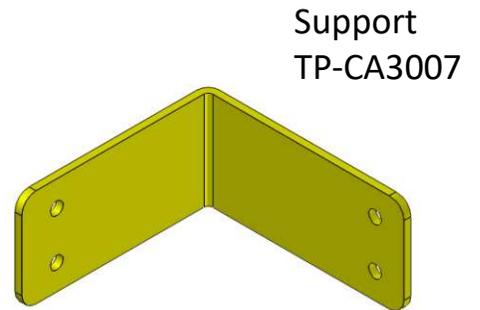
Picture 06

Then, we have to perforate studs (external and internal) of the right side of the platform according to the measures shown in picture 7 using a topping saw of $\varnothing 83\text{mm}$. Once this has been made, we will make the holes for the fastening screws. In order to do this, we will take an original bench and we will put it in the center of one of the holes. Make these holes with a bit of 10.50mm.
Do the same with the other 3 holes.

In the interior part, we will put the **support TP-CA3007** which will be fastened with 4 screws. The platform already has 2 holes and we will have to make 2 other holes with a bit of $\varnothing 8.50\text{mm}$.



Picture 07



Support
TP-CA3007

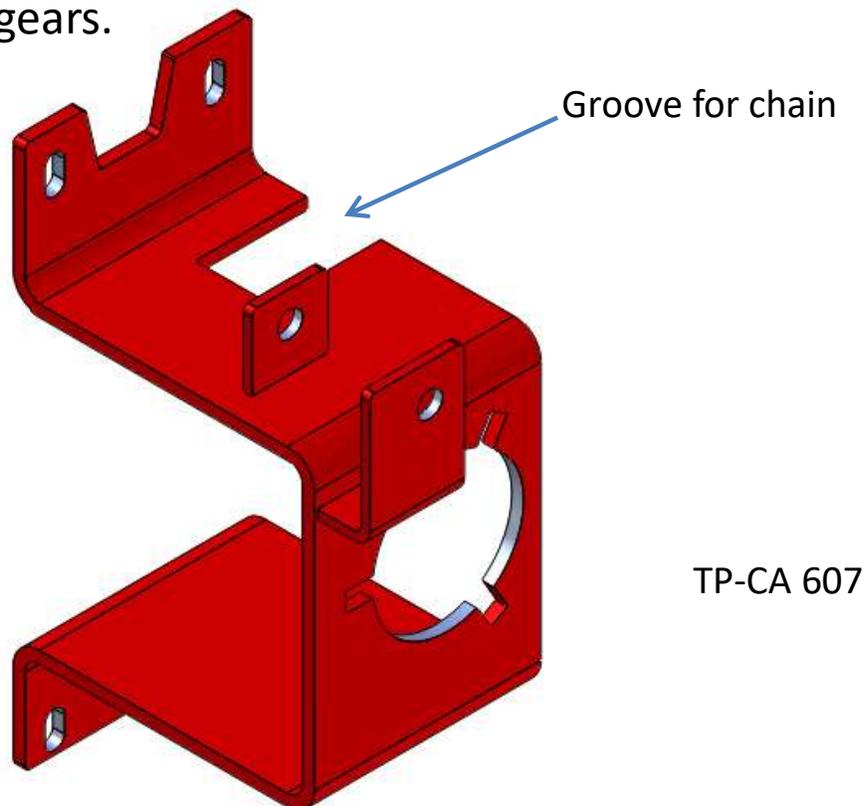
Picture 08

This new position of the hexagonal command bar improves the axis line of the feeding device to the right command axis of the platform, thus reducing vibration over the bar and control stick. We will put the **hexagonal bar TP-CA3807** in its position with its original cover, put original ball bearing and bench. Do not adjust them until we put the control stick in its working position, then adjust flange so that there is a space of between 4 and 5 mm with respect to the control stick.

On the other side, we will put the endless command original gears and, after putting them over the ball bearing with its two original alignment ring pulls, we will adjust the two screws. In this way, movement will be blocked. Adjust bench of the ball bearings and turn axis with your hands so that you can feel that the turn is soft and light.

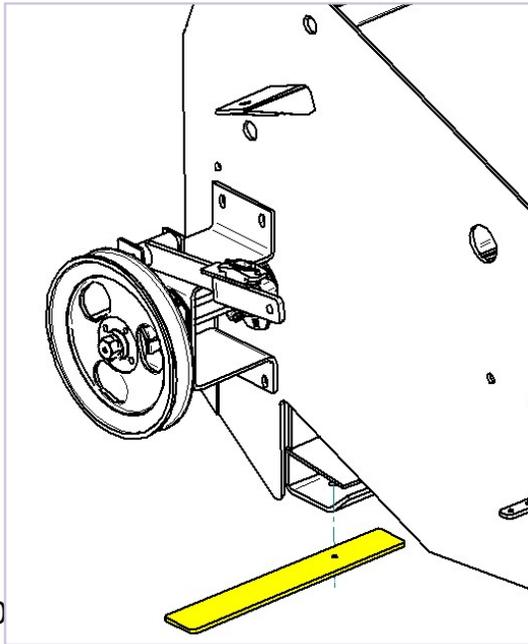
Then, we will put the **bench TP-CA607** with its ball bearing already put. The upper holes are on the side of the platform, we will put the screws and when adjusting them, we will make the two other holes with a bit of 10.50mm. Put screws and adjust.

Put endless gears and put chain (which will go through the groove of the bench). In this way, we will put and weld the bolts of the tensor gears. Please consider that the chain must be over the tensor gears.

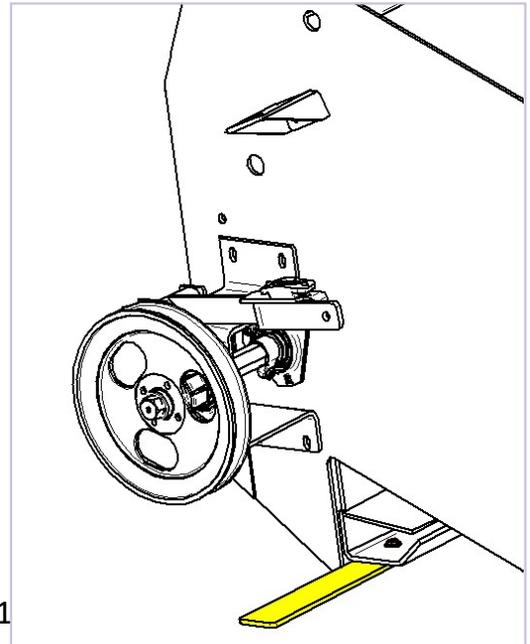


Picture 09

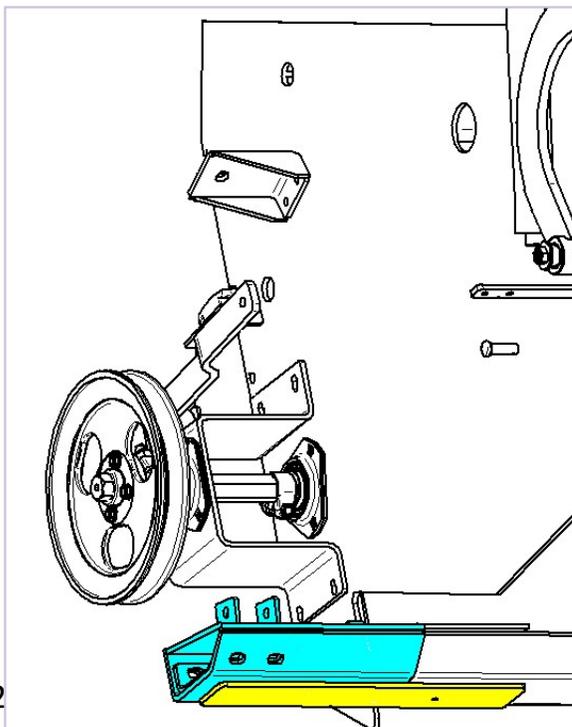
In order to put the **chassis extension TP-CA3307** and to align it, we will use the yellow ruler **TP-CA4807**, we will fix it to the chassis of the platform with a screw that is in the bolts kit. We will put the **extension TP-CA3307** over the ruler and weld in its sides and inferior part. See pictures 10, 11, 12, 13, 14.



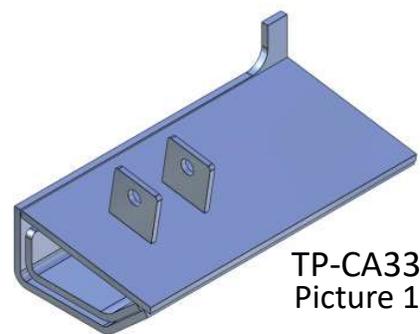
Picture 10



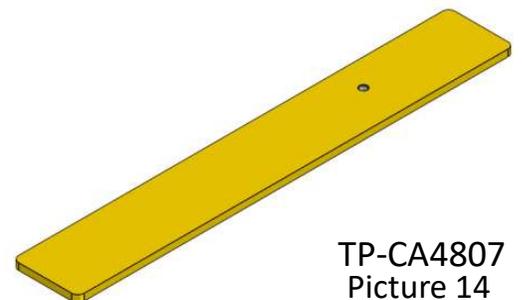
Picture 11



Picture 12



TP-CA3307
Picture 13



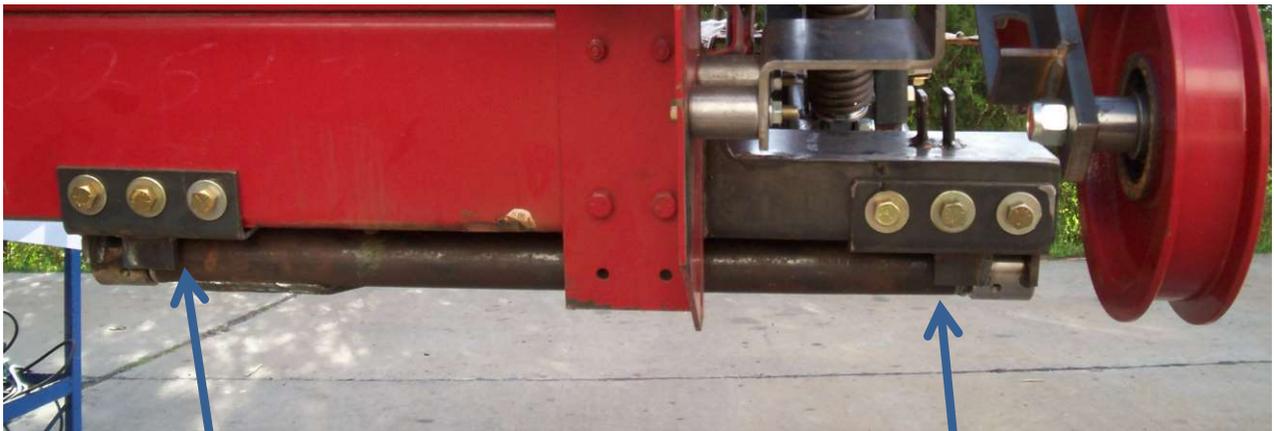
TP-CA4807
Picture 14

Positioning of benches on beam

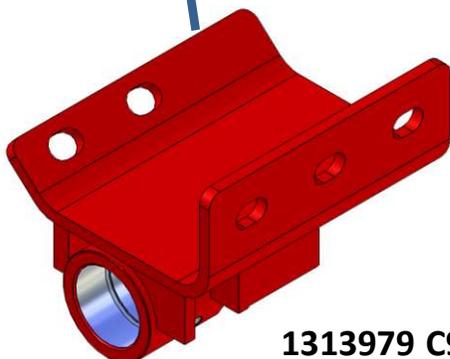
Fix the **bench TP-CA1907** on the chassis. Put **bench 1313979 C91** and fix it by welding it (two points) in order to mark in the center of the drivers the holes we have to make; first with a bit of $\varnothing 5\text{mm}$ and then with a bit of $\varnothing 10.50\text{mm}$. Once the holes have been made, screw with a male of $\frac{1}{2}'' \times 13\text{h}$.

Fix the bench with the five screws and cut the points of the electric welder.

Therefore, when we want to replace the ball and socket joint, we will only have to take off the screws in order to take of the benches without dismantling the beam.

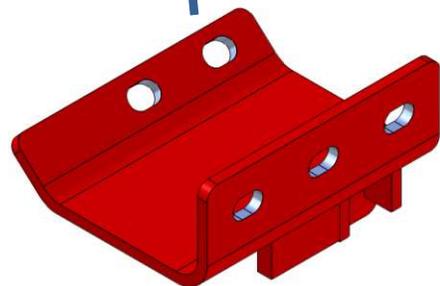


Picture 15



1313979 C91

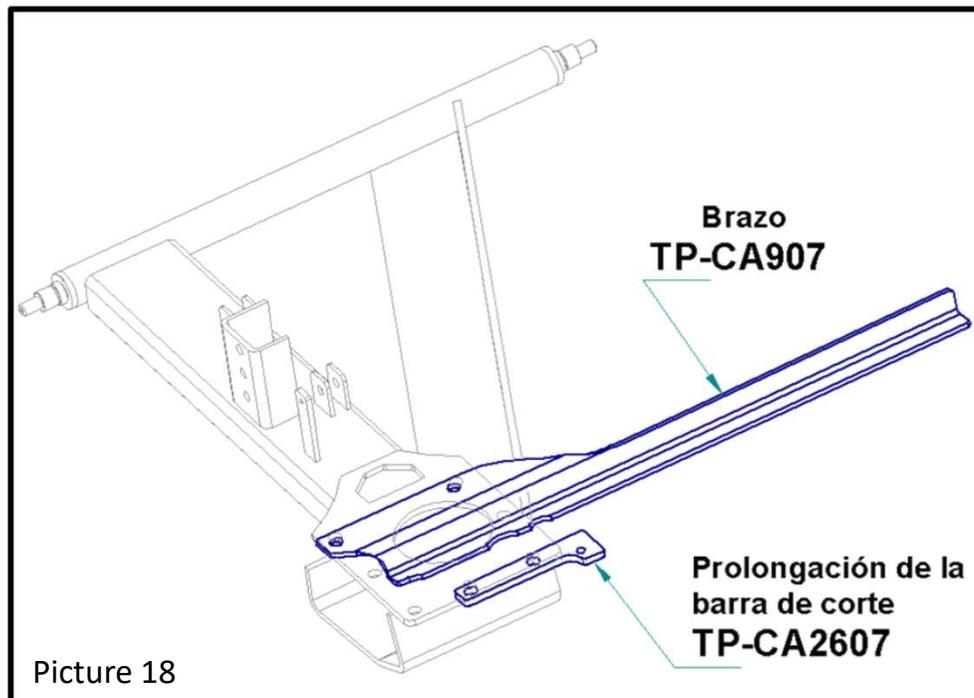
Picture 16



TP-CA 1907

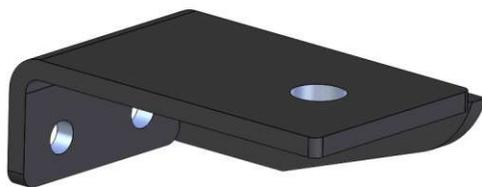
Picture 17

We recommend soaking the part **TP-CA2607** and the end of the cutting bar well so that we can weld well. Put the pulley stud, box of blades basis, tensor pulley arm spring and command pulley.

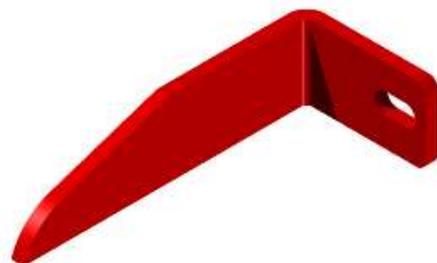


Positioning of the **bracket support TP-CA1407**: the side of the platform already has a hole for its positioning, but the **spring TP-1313103 C1** is the one that will fix the position as the tensor screw in its line will mark the position of the second hole. This must be made carefully because the hoses of the hydraulic system are behind it.

The part **TP-CA5307** will be welded to the **bracket support TP-CA1407** after having set in its right position.



TP-CA1407
Picture 19



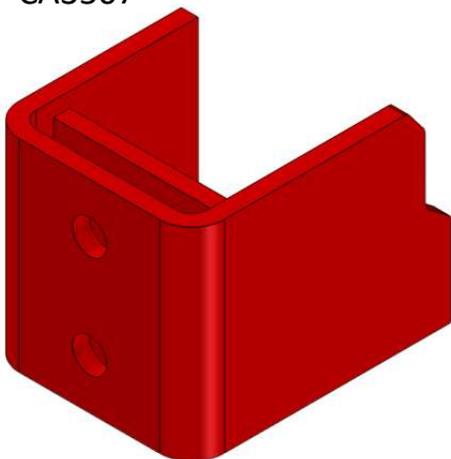
TP-CA5307
Picture 20

We will change the location of the **sensor support TP-CA1807** (picture 22) as follows:

With the measure of picture 23, we will have the first hole, the second hole will be made with the **sensor support TP-CA1807**. Put tensor, loosen ball and socket joint, turn and put it in the position of the beam.

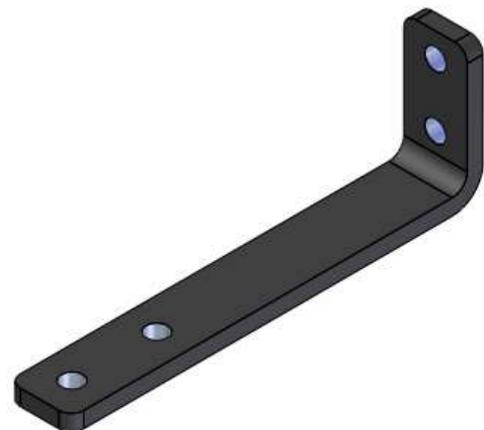
We will put the beam height **regulation support TP-CA3507** and chain slider fastener. We will do this as follows: fasten left side of the chain slider in its upper maximum point (as done for wheat, for example), measure and get a reference measure for this chain slider, then take it to the right chain slider by putting the fastener and welding the support of the right side trying to prevent the chain from making a $\frac{3}{4}$ turn.

HEIGHT REGULATION
TP-CA3507



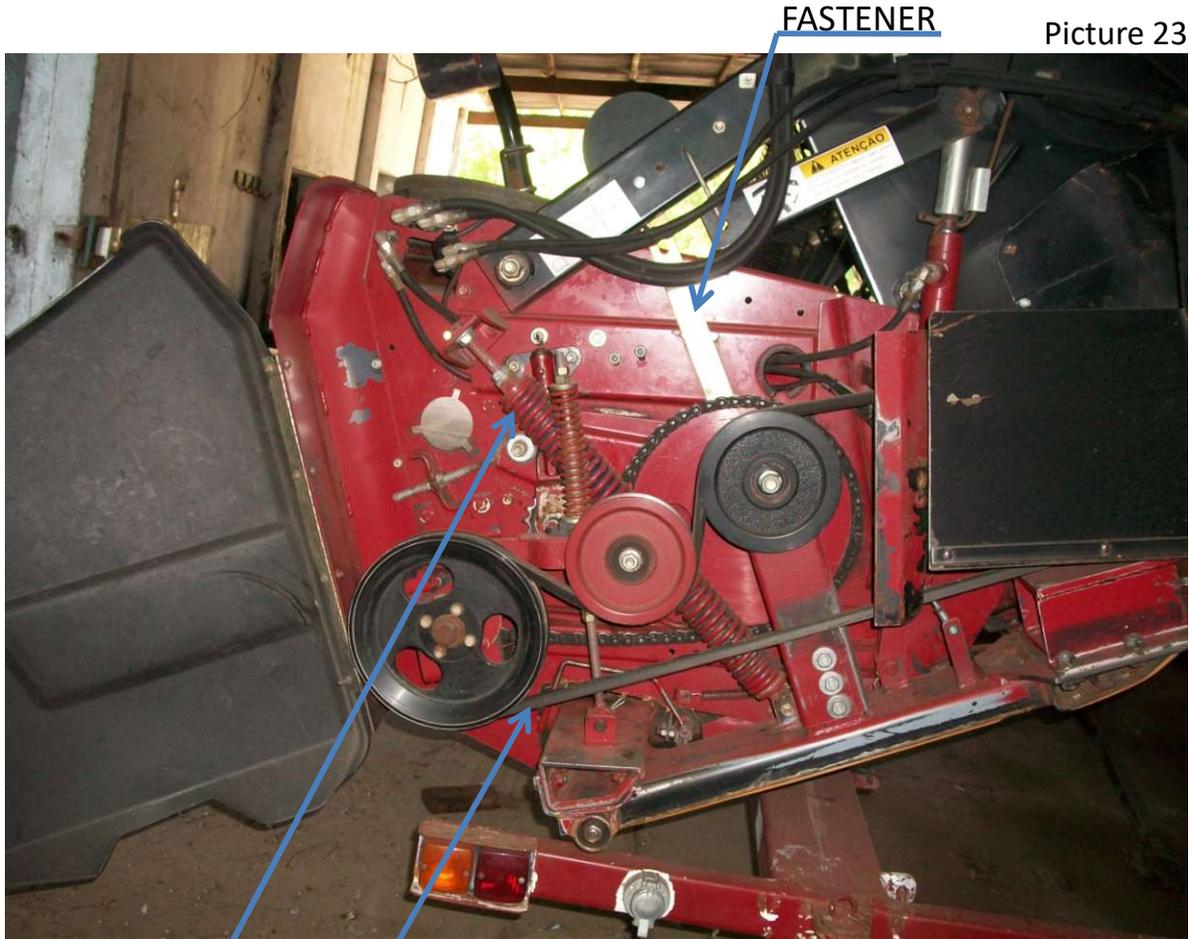
Picture 21

SENSOR SUPPORT
TP-CA1807

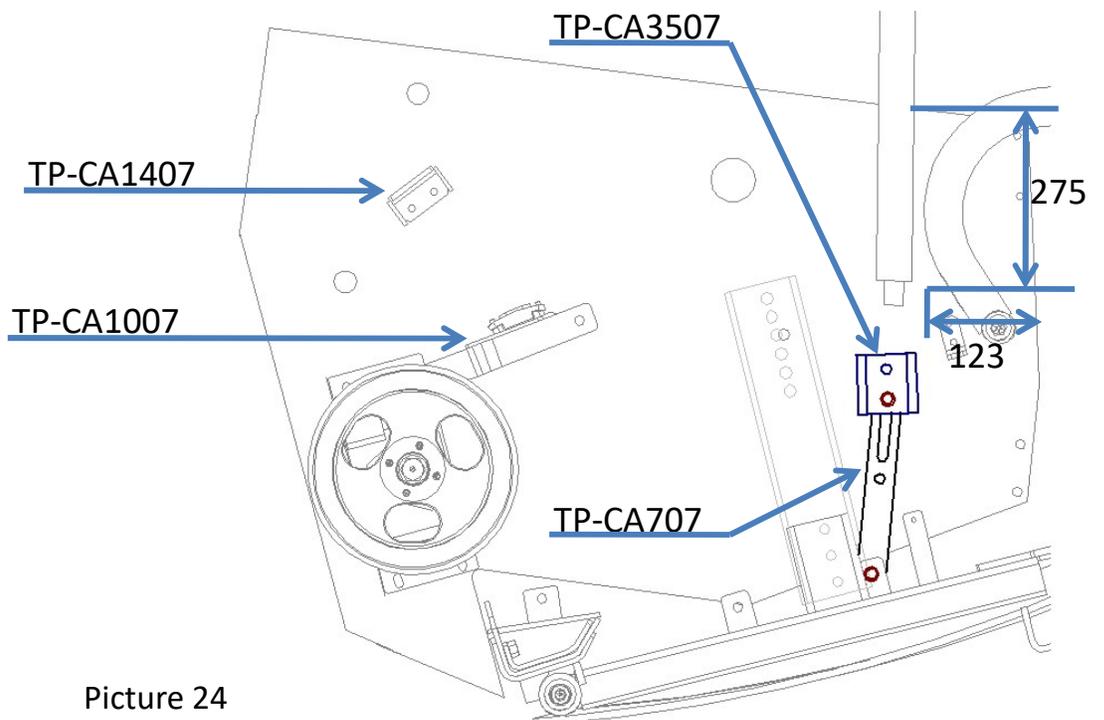


Picture 22

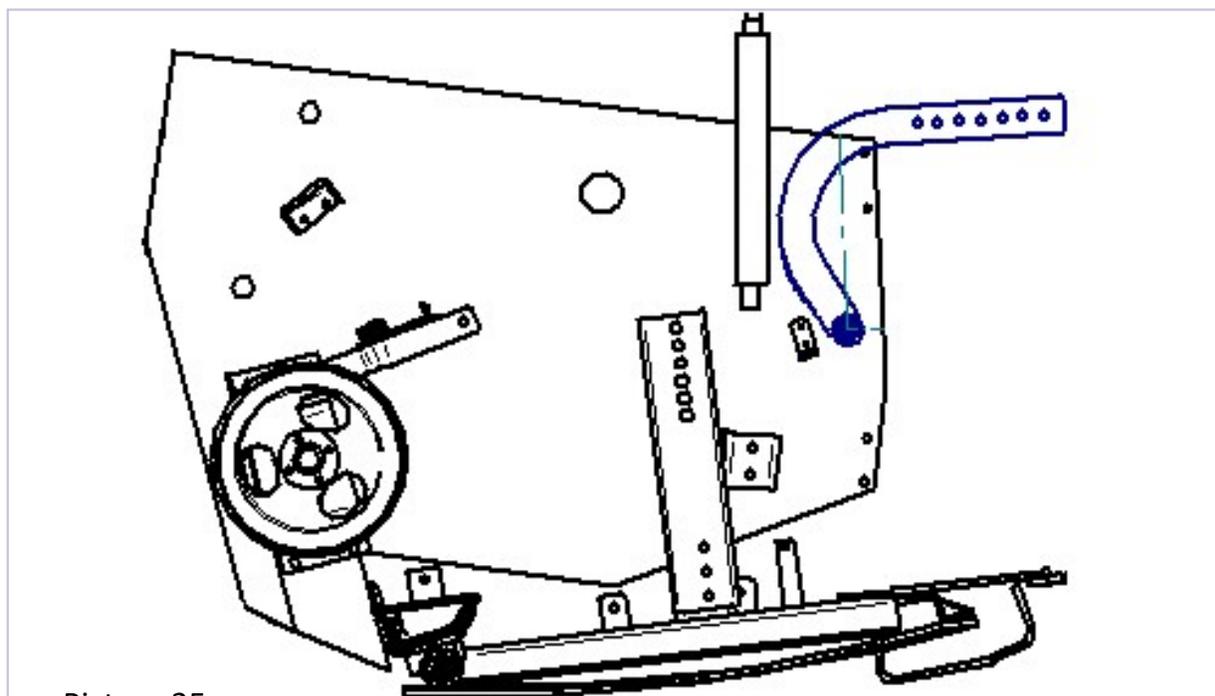
Place idlers, intermediate pulley and blade box. Place the **strap C114** and stress.



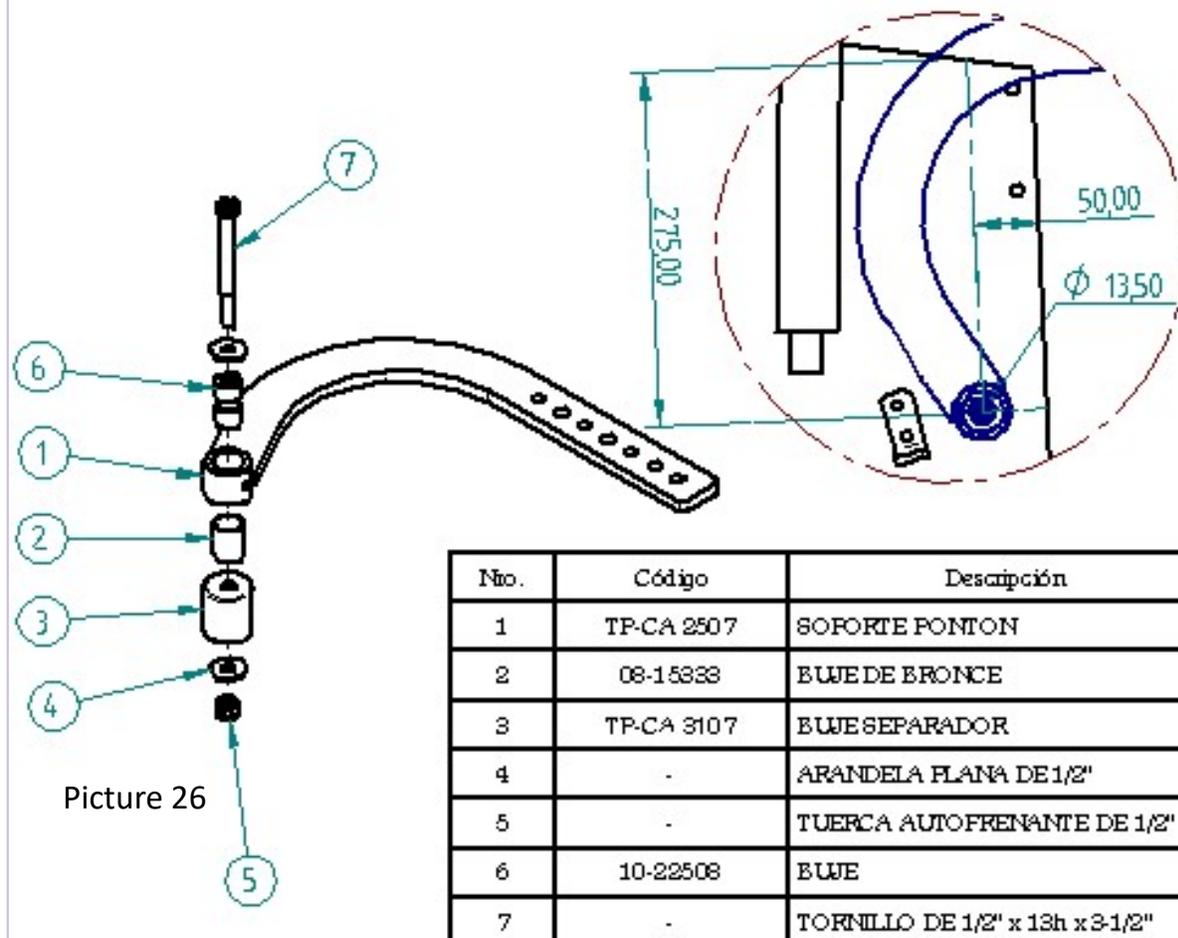
TP-87450162 C114



Replace original finger support with **support TP-CA2507** included in the kit. We will show the position below.



Picture 25



Picture 26

Nro.	Código	Descripción
1	TP-CA 2507	SOPORTE PONTON
2	08-15338	BUJE DE BRONCE
3	TP-CA 3107	BUJE SEPARADOR
4	-	ARANDELA FLANA DE 1/2"
5	-	TUERCA AUTOFRENANTE DE 1/2"
6	10-22508	BUJE
7	-	TORNILLO DE 1/2" x 13h x 3-1/2"

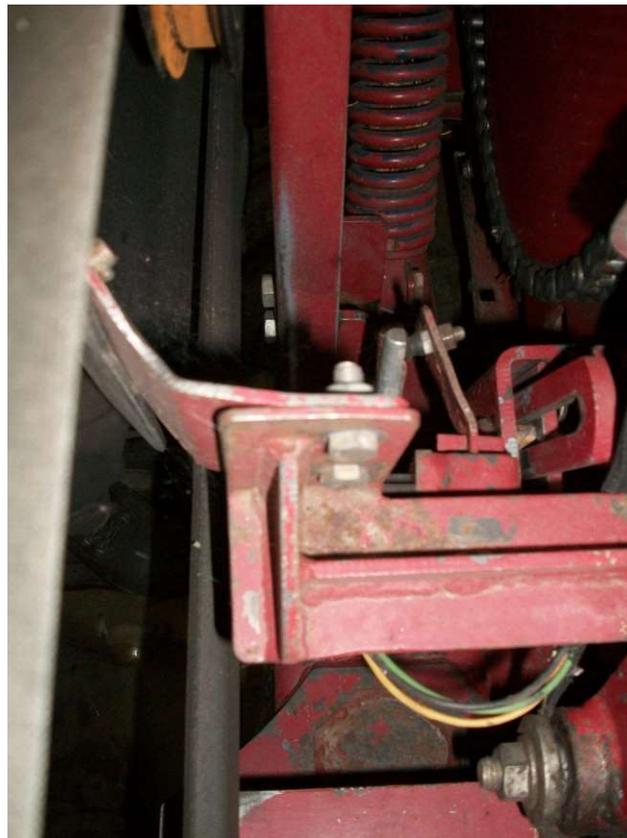
Side catch hood:

Remove hood latch of the original support and weld two points in the right place at the next picture.

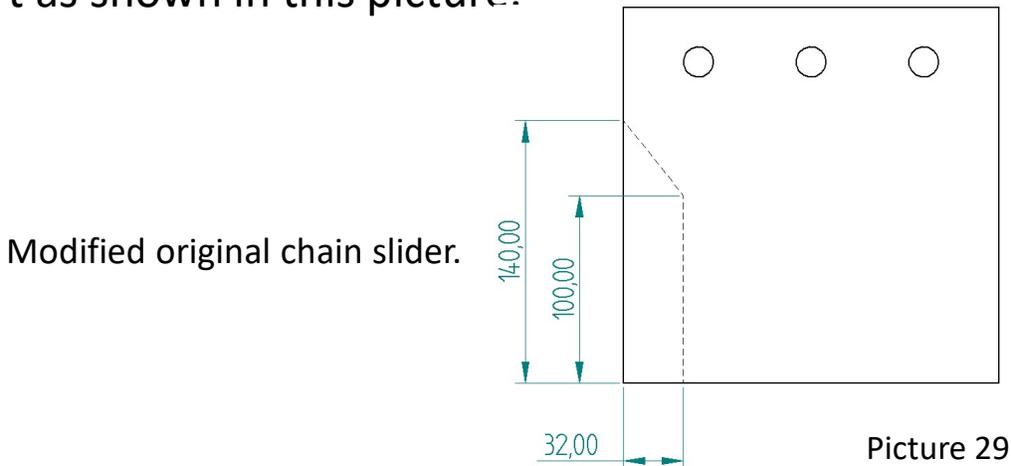
Picture 27



Picture 28



Dismantle original inferior chain slider in order to modify its front part as shown in this picture.



Then we will cut the blade bar

We need to stand in front of the platform, and we will measure 4550mm from the first intermediate section (this measure may be 4535mm depending on the position of the section joints). We now have two bars: left and right.

We will now make another cut at the end of the first section that is in the right bar.

Replace the first three sections of the right bar with the **milled sections TP-CA620**, then clinch them, smooth out rough edges and make even in the clinch for proper movement.

Put the **cutting bar TP-CA4307** on the left bar so that the three sections of the bar can be over the three modified sections of the right bar.

Put the two fingers included in the kit.

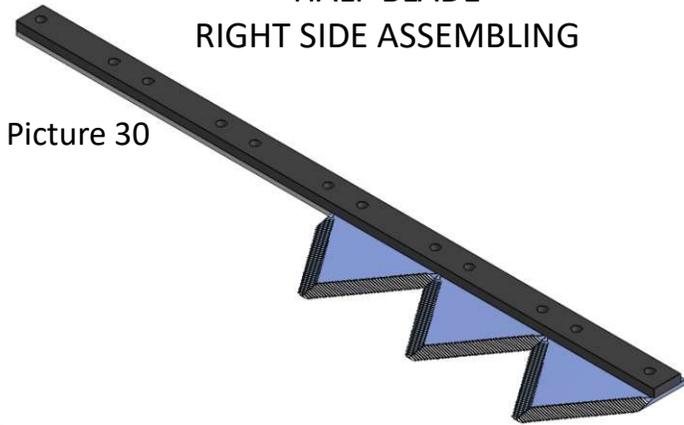
See pictures 30, 31 and 32.

Note: References are only for standing in front of the machine

INSTRUCTIONS FOR BLADE ASSEMBLING

TP-CA4307

TP-CA4307 ASSEMBLE FOR
HALF BLADE
RIGHT SIDE ASSEMBLING

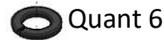


Picture 30

TP-CA4107



Quant 6



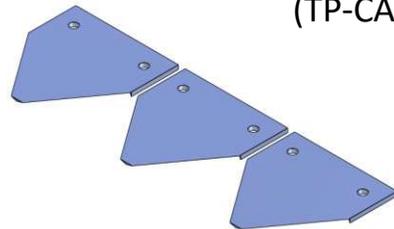
Quant 6



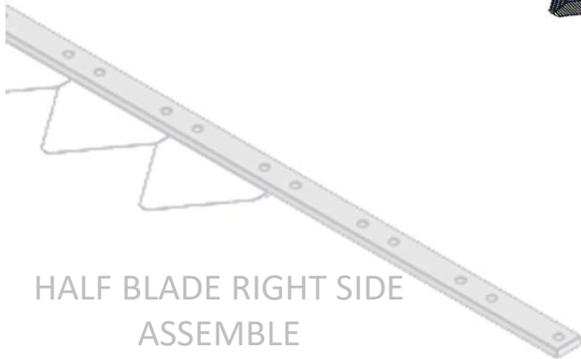
Quant 6

Picture 32

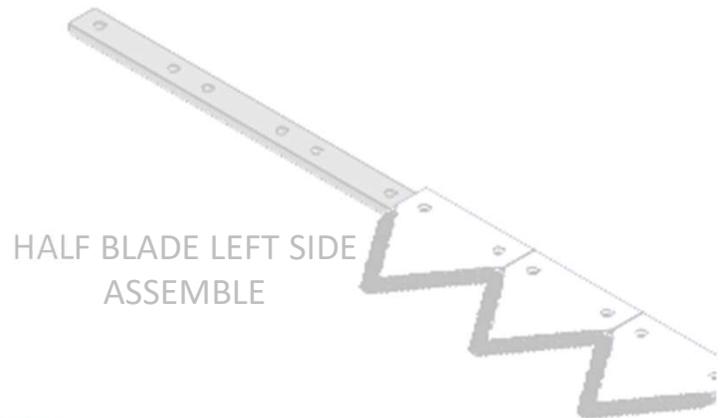
TP-CA620 THREE
SECTIONS (MILLED IN
THE REAR PART) TO
MOUNT OVER HALF
LEFT CUTTING BLADE
WITH ALLEN MILLED
HEAD SCREWS
(TP-CA4107)



Picture 31



HALF BLADE RIGHT SIDE
ASSEMBLE



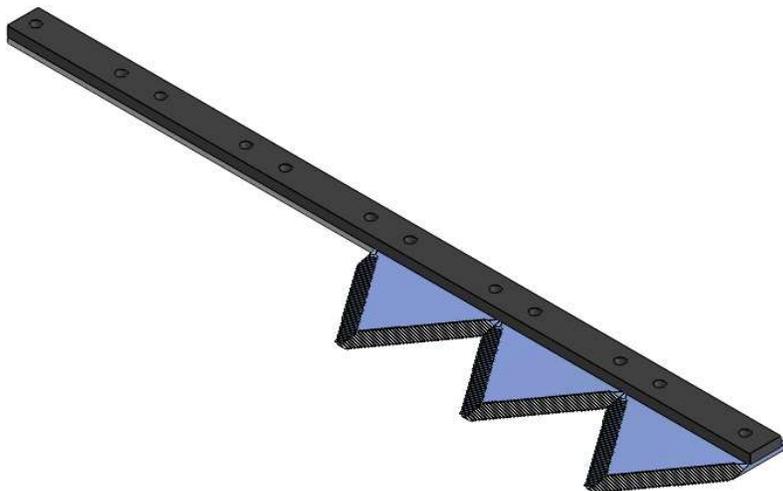
HALF BLADE LEFT SIDE
ASSEMBLE



CENTRAL SPECIAL
FORGED FINGER



Picture 33



TP-CA4307-A
Picture 35



TP-CA620
Picture 34

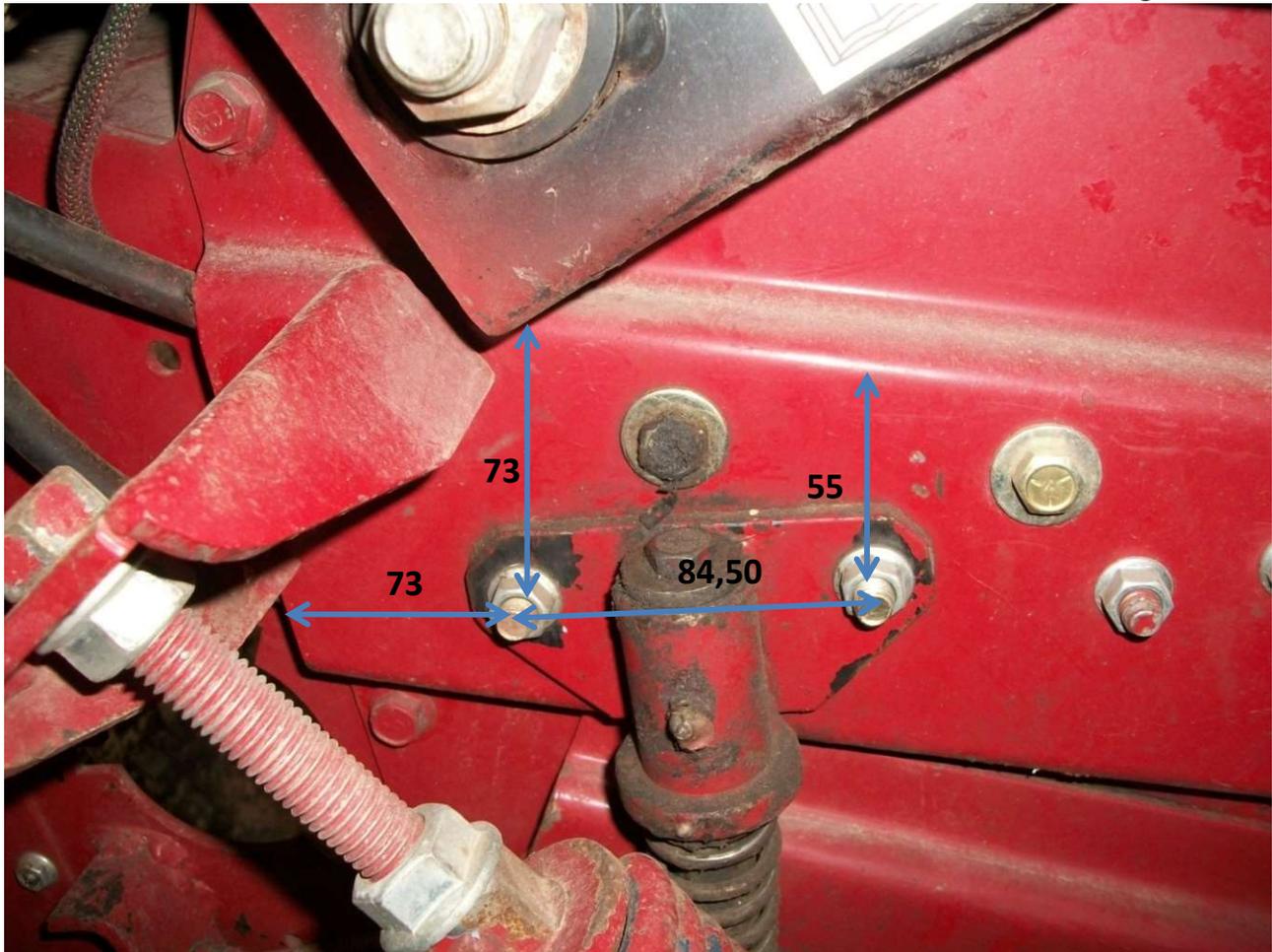
Important note:

In the position where we cut the cutting bar, it is very important to verify that, when turning the pulleys of the box of blade, in its maximum path outwards, there is one section mounted over another one and that, when closing the two boxes, the bars at both sides do not collide in the center. Repeat this so that movement is soft at both sides.

Location chain tensioner **TP-CA6507**:

Mark (not drill) on the side of the platform illustrated measures, support the tensioner as shown in the picture, place the chain on its working position and see if any correction is needed.

Figura 36



Once you found your position, drill, set the tightening **TP-CA6507** and tighten the screws.



Figura 37

Note:

Be careful when elevating grinder

When the grinder has to be taken to its maximum height to repair or replace a damaged part of the spiral, we recommend unfastening its fastener on its side (see picture 23) so that the box and axis are not damaged. Take off the whole chain because it will be stretched due to the movement of the spiral and it may cause damage.

Check the limit of the path of the chain in order to have it as a parameter when elevating the grinder (when the feeding device is loaded). We will do this as follows: start platform, begin elevating grinder and check when platform becomes stretched. Leave chain with little tension using tensor gears.

LAST DETAILS

Stretch belt C114

Lubricate:

- Inferior stump TP-CA111 of the box of blades TP-CA2012.
- Tensor pulley beam
- Finger support bushing
- Beam benches (the box is already lubricated)

We recommend reading manual of the box TP-CA2012 for its lubrication.

Start at low revolutions with low platform, check blade movement and tension of the stabilizing spring.

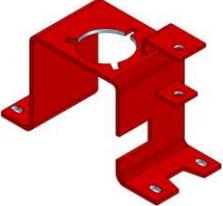
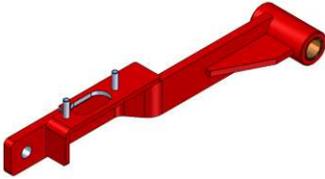
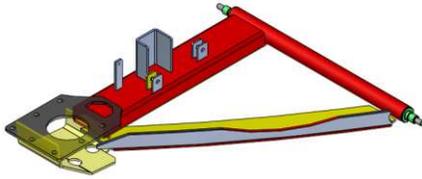
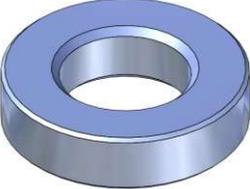
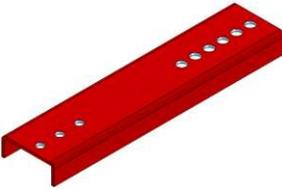
Check tension of command chain.

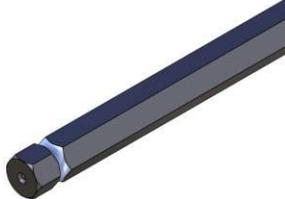
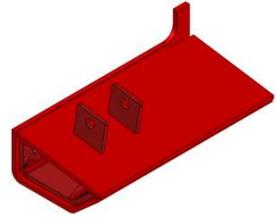
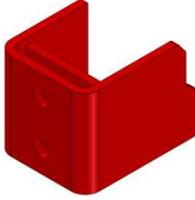
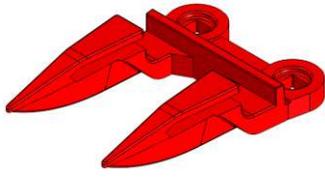
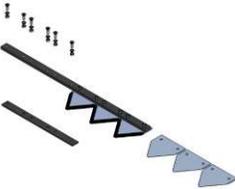
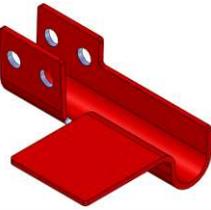
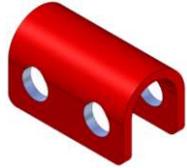
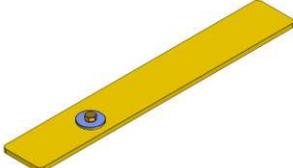
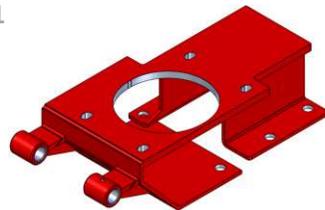
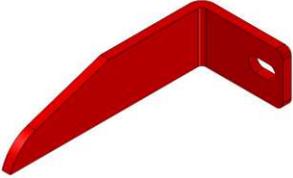
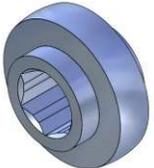
Increase RPM until reaching cutting speed.

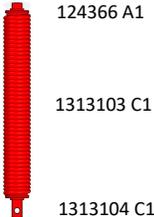
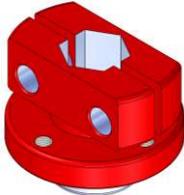
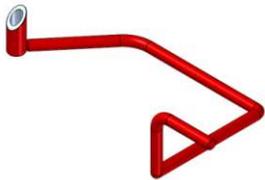
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<p>TP-CA200-I BUSHING FOR BOX BASIS QUANT. 2</p> 	<p>TP-CA310 RIGHT SIDE BLADE CUTTING EDGE QUANT. 1</p> 	<p>TP-CA407 RIGHT SIDE FINGER QUANT. 1</p> 
<p>TP-CA607 RIGHT SIDE BEARING BOX SUPPORT QUANT. 1</p> 	<p>TP-CA707 DRIVER QUANT. 1</p> 	<p>TP-CA807 FLAT HEAD BOLT QUANT. 3</p> 
<p>TP-CA907 SUPPORT QUANT. 1</p> 	<p>TP-CA1007 RIGHT SIDE ASSEMBLING TENSOR QUANT. 1</p> 	<p>TP-CA1107 RIGHT SIDE TIPPER SUPPORT QUANT. 1</p> 
<p>TP-CA1407 REINFORCEMENT QUANT. 1</p> 	<p>TP-CA1607 BUSHING FOR TIPPER QUANT. 2</p> 	<p>TP-CA1807 SUPPORT QUANT. 1</p> 
<p>TP-CA1907 RIGHT SIDE SUPPORT QUANT. 1</p> 	<p>TP-CA2107 TENSOR WITH ASSEMBLED SPRING QUANT. 1</p> 	<p>TP-CA2507 RIGHT SIDE FINGER ASSEMBLY ARM QUANT. 1</p> 
<p>TP-CA2607 SUPPORT QUANT. 1</p> 	<p>TP-CA2907 RECORD QUANT. 1</p> 	<p>TP-CA3007 REINFORCEMENT ANGLE QUANT. 1</p> 

<p>TP-CA3107 LIMIT QUANT. 1</p> 	<p>TP-CA3207 LONG HEXAGONAL AXIS V.05032008 QUANT. 1</p> 	<p>TP-CA3307 RIGHT SIDE EXTENSION SUPPORT QUANT. 1</p> 
<p>TP-CA3507 TENSOR QUANT. 1</p> 	<p>TP-CA3607 SPECIAL NUT QUANT. 6</p> 	<p>TP-CA3911 CENTRAL FORGED FINGER FOR KIT QUANT. 3</p> 
<p>TP-CA4307 ROD WITH SECTIONS QUANT. 1</p> 	<p>TP-CA4407 SUPPORT QUANT. 1</p> 	<p>TP-CA4507 SPACE BAR QUANT. 1</p> 
<p>TP-CA4607 BEARING HALF BOX WITH CUT QUANT. 2</p> 	<p>TP-CA4807 RULER QUANT. 1</p> 	<p>TP-CA5007 RIGHT SIDE BOX OF BLADE BASIS QUANT. 1</p> 
<p>TP-CA5107 BUSHING FOR TP-CA 1007 QUANT. 1</p> 	<p>TP-CA5307 BRACKET QUANT. 1</p> 	<p>TP-CA5507 ADAPTER FOR PLASTIC HOOD QUANT. 1</p> 
<p>TP-CA6207 HEXAGONAL INTERIOR BEARING QUANT. 1</p> 	<p>TP-CA6407 INTERIOR BUSHING 16 mm QUANT. 1</p> 	<p>TP-CA6507 ASSEMBLED TENSOR QUANT. 1</p> 

<p>TP-CA6907 FRONT MOUNT HOOD QUANT. 1</p> 	<p>TP-CA7107 HANDLE CHAIN 60 (1,59 MTS) + JOINT QUANT. 1</p> 	<p>TP-CA8107 MOUNT HOOD WITH LOCK QUANT. 1</p> 
<p>C114 BELT QUANT. 1</p> 	<p>04-18333 TOUCHING SHEET QUANT. 1</p> 	<p>10-22508RF RECTIFIED AND CEMENTED BOLT QUANT. 1</p> 
<p>TP-124365 A1 SPECIAL SCREW QUANT. 1</p> 	<p>1313103 C1TP FLANGE QUANT. 1</p> 	<p>125959 A1TP COMMAND PULLEY ϕ 270 QUANT. 1</p> 
<p>TP-125966 A1 FLANGE FOR BOX COMMAND PULLEY QUANT. 1</p> 	<p>TP-126339 A2 INDICATING ROD QUANT. 1</p> 	<p>TP-575098 R1 INTERIOR BUSHING 13 mm QUANT. 1</p> 
<p>TP-566518 R91 TENSOR PULLEY QUANT. 1</p> 	<p>TP-673214 R91 TENSOR PULLEY QUANT. 1</p> 	<p>TP-1316572 C1 ASSEMBLY BEVELLED LIMIT QUANT. 1</p> 
<p>TP-1313979 C91 LEFT SIDE SUPPORT QUANT. 1</p> 	<p>TP-CA2012 BOX OF BLADES QUANT. 2</p> 	

MEASURE	DESCRIPTION	QUANT	USS NUT	FLANGE NUT	SELF BRAKING NUT	PLAIN	GROWER	LOCATION
5/8 X 1-1/4	G5 USS BOLT	2		2				BEAM TO BOX BASIS
5/8 X 1-1/2	G5 USS BOLT	4		4				BEAM TO BOX BASIS
5/8 X 1-3/4	G5 USS BOLT	2	2					BAR CUTTING EDGE ADJUSTMENT IN BOX
5/8 X 2-1/2	G5 USS BOLT	1			1			TENSOR STUD PULLEY
			2	6	1			

1/2 X 2	G5 USS BOLT	4		4			4	TP-CA BOX ADJUSTMENT
1/2 X 1-1/2	G5 USS BOLT	5				5	5	BENCH OF CHASSIS F
1/2 X 1	G5 USS BOLT	5				5	5	BENCH OF MACHINE CHASSIS
1/2 X 1	G5 USS BOLT	3		3			3	TENSOR PULLEY STUD SUPPORT
1/2 X 4	G5 USS BOLT	1			1		1	TENSOR PULLEY ARM
1/2 X 5	G5 USS BOLT	1			1		1	FINGER ARM
1/2 X 2-3/4	G5 USS BOLT	2			2		2	TENSOR PULLEY ADJUSTMENT
1/2 X 3	G5 USS BOLT	2						FINGER ADJUSTMENT
1/2 X 1	G5 USS BOLT	1				1	1	INFERIOR TENSOR GEARS ADJUSTMENT
1/2 X 2-1/2	G5 USS BOLT	1			1		1	BEAM SPRING ADJUSTMENT
1/2 X 2 -1/4	G5 USS BOLT	2			2		2	MACE COMMAND PULLEY ADJUSTMENT
				7	7	11	25	

1/2 X 2-1/2	SQUARE NECK ROUND HEAD BOLT	1			1		1	UPPER TENSOR GEARS ADJUSTMENT
					1		1	

3/8 X 1	G5 USS BOLT	4					4	COMMAND PULLEY TO HEXAGONAL MACE
3/8 X 1	G5 USS BOLT	4		4				COMMAND PULLEY BENCH
3/8 X 1	G5 USS BOLT	3			3			SPRING STRETCHER BRACKET
3/8 X 1	G5 USS BOLT	3				3		HOOD SUPPORT
				4	3	3	4	

5/16 X 2	G5 USS BOLT	1			1		1	HEAD BLADE
5/16 X 3/4	G5 USS BOLT	4		4			4	STUD BRACKET
5/16 X 3/4	G5 USS BOLT	1		1			1	RULER FASTENER
				5	1		6	

1/4 X 3/4	G5 USS BOLT	4		4				HOOD STUD
1/4 X 5/8	BULON TANQUE	9		9				FINGER RUBBER ADJUSTMENT
				13				

1/4 straight	ALEMITE FITTING	4						
1/8 straight gas	ALEMITE FITTING	2						
12 diameter	BEVELED RING PULL	4						
665-002	BOLT WITH NUT 12-24X32-quant30	2						CUTTING EDGE ADJUSTMENT
5/8 USS	PLATED NUT USS 5/8		2					BEAM AXIS
7/16	NUT			4				BEAM AXIS
R 60 x 3,5	"R" PEG	3						