

VERSATILL

REV. 2024



INSTRUCTIONS AND SPARE PARTS MANUAL



CONGRATULATIONS!

You have just purchased a VERSATILL from Ovlac.

As the country's largest producer of agricultural machinery for soil tillage, we are honoured that you have chosen Ovlac as your trusted choice.

After many years of experience in the field, we make sure that you will be proud of your purchase in the same way that we are proud of the product we have created under the strictest quality standards.

For the correct use and enjoyment of this equipment, we strongly recommend that the customer read the instructions contained in this manual and use it as a reference for any questions that may arise regarding the operation of your Ovlac equipment.

Yours sincerely: Jorge Calvo
CEO of Ovlac



CONSIDERATIONS

This instruction manual describes the Operating and Maintenance Instructions and Spare Parts for the indicated equipment.

This agricultural equipment, called VERSATILL, is designed for tilling the soil, applied to a Tractor with lifting gear and universal three-point linkage.

The proper functioning of the machine depends on its correct use. It is therefore advisable to read the instructions given in this manual carefully in order to avoid any inconvenience that could impair the proper functioning and durability of the machine.

It is also important to follow the instructions in the manual, as the Manufacturer declines all responsibility for negligence and non-observance of these instructions.

The Manufacturer is at your disposal to guarantee immediate and accurate technical assistance and to provide all that may be necessary for a better functioning and performance of the machine.

The Manufacturer reserves the right to modify the Machine without the need to urgently update this publication.



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1.- Safety Rules

Read carefully all the instructions for use of the cultivator.

The manufacturer declines all responsibility for any inconvenience caused by NOT observing the Safety and Accident Prevention Regulations described below.

- 1.- Pay attention to the danger and warning symbols shown in this manual and indicated on the equipment.
- 2.- Repairs and adjustments to the equipment must always be carried out with the engine stopped and the tractor locked.
- 3.- It is strictly forbidden to transport people or animals on the equipment.
- 4.- It is strictly forbidden to entrust the driving of the tractor, with the equipment hooked up, to people without a driving license, inexperienced, or who are not in good condition.
- 5.- Scrupulously observe all the accident prevention measures recommended and described in this manual.
- 6.- The application of additional equipment to the tractor implies a different weight distribution on the tractor axles.
- 7.- Before putting the tractor and the equipment into operation, check that all the safety elements for transport and use are in perfect condition.
- 8.- The symbols with warnings displayed on the equipment give the appropriate suggestions for the use of the same.
- 9.- To circulate on the road, it is necessary to observe the rules of circulation according to the country where it's operated.
- 10.- Respect the maximum weight foreseen on the tractor, the total mobile weight, the transport regulations and the road code.
- 11.- Before starting to work, familiarise yourself with the control devices.
- 12.- Pay the utmost attention to hitching and unhitching the equipment.
- 13.- Never leave the driving position when the tractor is in motion.
- 14.- Remember that road adherence, steering and braking capacity may vary significantly due to the presence of suspended equipment.
- 15.- It is strictly forbidden to remain in the area of action of the equipment.
- 16.- Before leaving the tractor, lower the suspended equipment, stop the engine, apply the parking brake, and remove the ignition key from the dashboard.
- 17.- The category of the hitch pins of the equipment must correspond to that of the linkage of the lift.
- 18.- Pay maximum attention when working in the area of the arms of the tractor, it is a very dangerous area.
- 19.- It is strictly forbidden to stand between the tractor and the equipment to manoeuvre the external lifting control.
- 20.- During road transport with the equipment suspended, put the control lever of the hydraulic lift in the locking position.
- 21.- The spare parts must correspond to the requirements defined by the Manufacturer. Always use original spare parts.
- 22.- The safety instruction decals must always be clearly visible. Clean and replace them if they are not legible (You can ask your dealer for them).
- 23.- The instruction manual must be kept for the whole life of the equipment.



WARNING

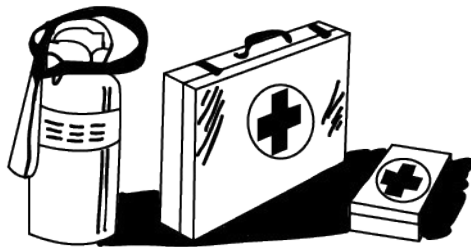
Before starting to work, read the instructions in the manual.

DANGER

Do not handle the equipment when it is suspended, danger of crushing. Maintain the safety distance.

DANGER

Lifting the equipment can cause injuries due to reaching. Maintain the safety distance.



To be ready in case of an emergency

Keep a first aid kit and fire extinguisher on hand. Write down the telephone numbers of doctors, ambulance and fire brigade and keep them near the phone.

Use adequate clothes

Avoid loose clothing and use appropriate safety equipment depending on the type of work. Safe operation of the machine requires the full attention of the operator.

Don't use headphones for listening to the radio while working with the machine.

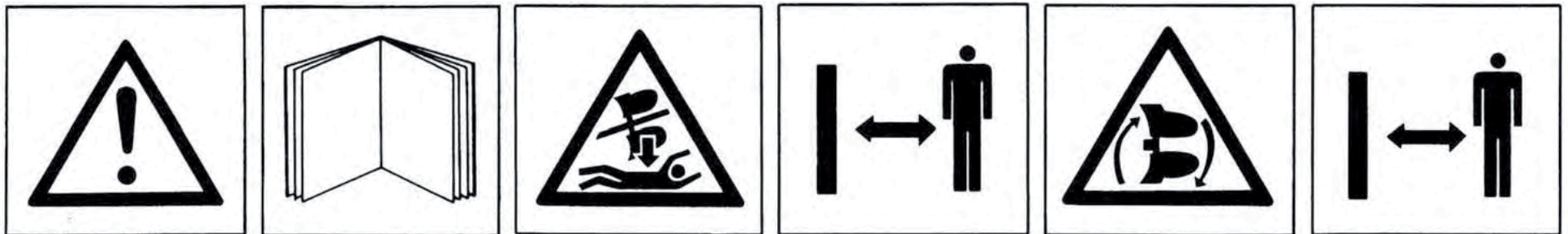


Fig. 1



SPECIFIC INSTRUCTIONS FOR WELDING REPAIRS

When repair by welding is **authorised by the manufacturer**, the following points shall be taken into account generally. In particular cases, appropriate welding instructions shall be provided for each application.

1 Repair welding should be carried out by qualified welders and in accordance with good technical and safety code practice.

2 Before welding repairs, remove paint, oxides, dirt or any other substances harmful to the weld.

3 To avoid damage to mechanical or hydraulic components such as bearings, shafts, hydraulic actuators, hydraulic systems, etc., care should be taken to place the earth connection in an area of good contact, free of paint and oxides.

On machines with hydraulic cylinders, we must ensure that the welding current does not flow through such elements. For this purpose, the earth connection shall be placed on the same part of the machine to be repaired.

4 Our machines are made of high elastic limit (HEL) steels, which means that special attention must be paid to welding processes and filler materials. In general, basic coated electrodes E7016 or E7018 will be used. For the MAG (semi-automatic) welding process, ER70S6 wire and Ar+20CO₂ will be used as shielding gas. In both cases, follow the recommendations for drying times and temperatures recommended by the manufacturers of the filler material.

5 When the parts to be welded are thicker than 15 mm, or the ambient temperature is lower than 15 C, preheating by flame between 75-100 C is recommended.

6 It is strictly forbidden to cool welding seams with water, air or any other substance.

In case of questions during repair, please contact the manufacturer via the usual means of communication.

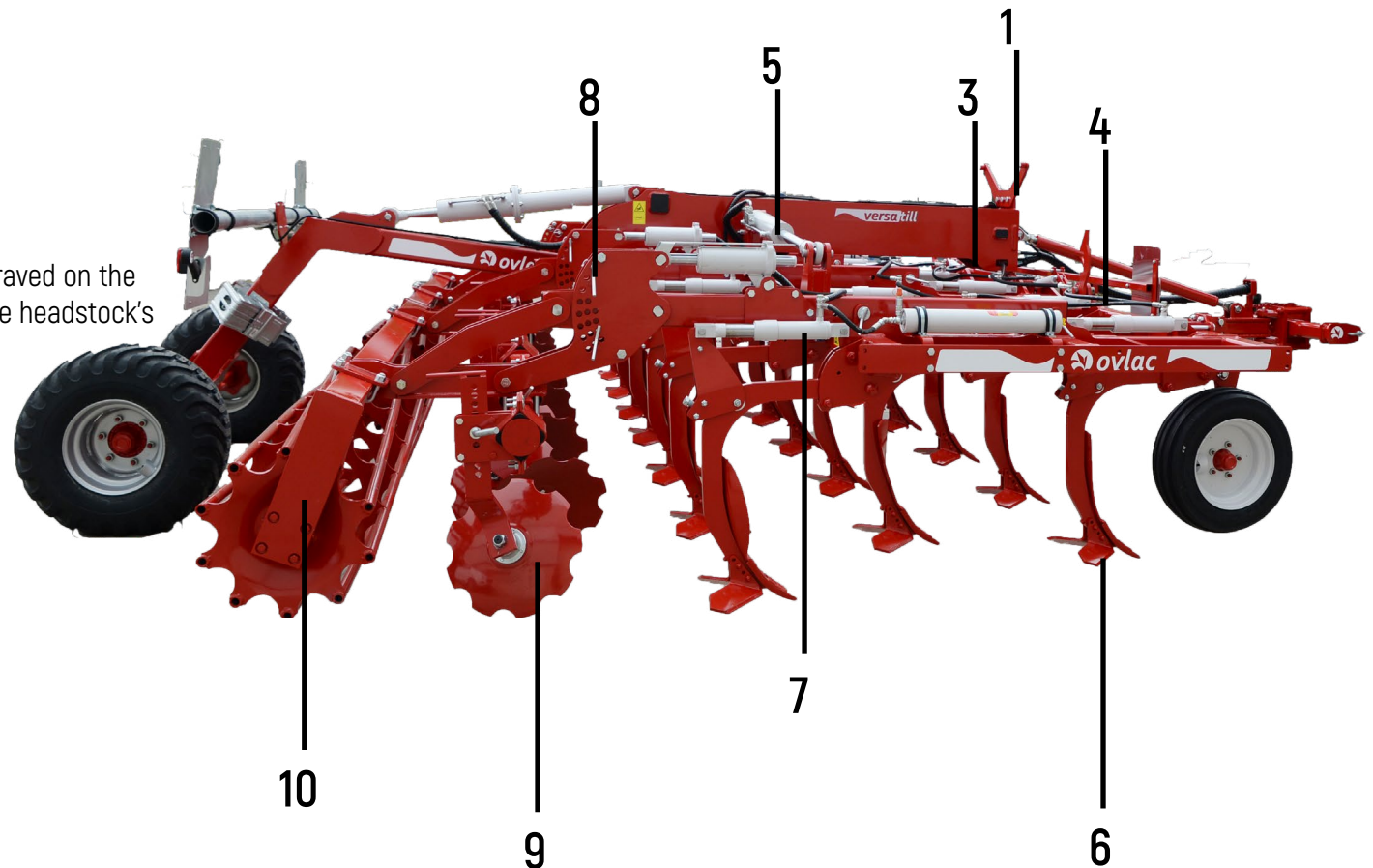


2.- Description and Technical Data

1. HEADSTOCK
2. IDENTIFICATION PLATE*
3. CENTRAL FRAME
4. SIDE FRAMES
5. FOLDING CILINDERS
6. WORKING BODY
7. SECURITY SYSTEMS
8. PARALLELOGRAM SYSTEM
9. DISCS
10. ROLLER

Note: the number of the plough's manufacture, engraved on the nameplate, must match the number engraved on the headstock's support.

*2. NAMEPLATE.



Technical Data

		Nb of rows	Folding	Working Width (m)	Transport Width (m)	Power* (HP)	Weight** (kg)	Nb of Discs	Underbeam clearance (cm)	Tine spacing	Row distance
Mounted 2 Rows	VERSATILL-2-9	2	Fix	2.70	3.00 m	125	1.210	-	86 cm	30 cm	95 cm
	VERSATILL-2-11		Fix	3.00	3 or 3.30	155	1.320	-		27.5 cm	
	VERSATILL-2-13		Fix	3.90	3.90	185	1.435	-		30 cm	
	VERSATILL-2-13 PV		2 Parts	3.90	3.00	185	2.140	-		30 cm	
	VERSATILL-2-15 PV		2 Parts	4.50	3.00	210	2.255	-		30 cm	
	VERSATILL-2-17 PV		2 Parts	5.10	3.00	240	2.375	-		30 cm	
	VERSATILL-2-19 PV		2 Parts	6.00	3.00	270	2.510	-		31.50 cm	
Mounted 3 Rows	VERSATILL-3-8	3	Fix	2.40	2.70	115	1.380	4		30 cm	75 cm
	VERSATILL-3-10		Fix	3.00	3 or 3.30	140	1.730	6		30 cm	
	VERSATILL-3-12		Fix	3.60	3.80	170	2.085	6		30 cm	
	VERSATILL-3-13		Fix	3.90	3.90	185	2.290	8		30 cm	
	VERSATILL-3-13 PV		2 Parts	3.90	3.00	185	2.485	8		30 cm	
	VERSATILL-3-15 PV		2 Parts	4.50	3.00	210	2.860	10		30 cm	
	VERSATILL-3-17 PV		2 Parts	5.10	3.00	240	3.235	10		30 cm	
	VERSATILL-3-19 PV		2 Parts	6.00	3.00	270	3.665	12		31.50 cm	
Semi-mounted 3 Rows	VERSATILL-3-13 A		2 Parts	3.90	3.00	185	3.485	8		30 cm	
	VERSATILL-3-15 A		2 Parts	4.50	3.00	210	3.860	10		30 cm	
	VERSATILL-3-17 A		2 Parts	5.10	3.00	240	4.235	10		30 cm	
	VERSATILL-3-19 A		2 Parts	6.00	3.00	270	4.665	12		31.50 cm	



3.- Non-Stop Security Systems

The various "Non-Stop" security systems (leaf spring / hydraulic) operate automatically. When the tip encounters an obstacle, the system trips up, allowing the tine to go over the obstacle, then returns to its original position without stopping the tractor.

In this way, all impacts caused by uneven terrain are absorbed by the safety system, thus protecting all parts of the machine and, of course, the tractor as well.

For the same reason, the "Non-Stop" security systems reduce the tractive effort by preventing the tractor from having to "power through" all the obstacles that the terrain presents at even work.

ADJUSTMENTS: On models with Non-Stop leaf spring security system it is important to check that the centre-to-centre distance of the leaf spring pins is 500 mm $\pm$ 2 mm (Fig. 2). Too large of a distance can result in the leaf spring bending downwards after tripping, rendering it unusable and requiring replacement. On the other side, a smaller distance reduces the trigger pressure.

On models with a hydraulic safety system, the trigger pressure can be increased or decreased to adapt the Versatill to the soil conditions. To do this, oil must be injected into or withdrawn from the hydraulic circuit via the charging hose C with blue cap (Fig. 4), which is connected directly to the tractor. First open the shut-off valves L and LL and close them when the pressure gauge M shows that the desired pressure has been reached.

Important: always keep the working pressure with the Versatill at rest within the range indicated on the pressure gauge. Excessive pressure can stiffen the arms, overriding the security system and potentially causing serious damage to the structure.

Note: OVLAC Non-Stop safety systems are factory-set at an optimum pressure for medium-hard ground.

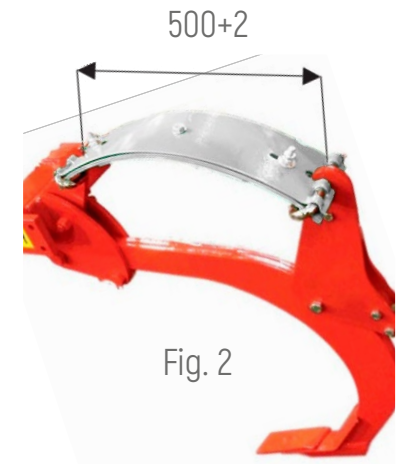


Fig. 2



Fig. 3

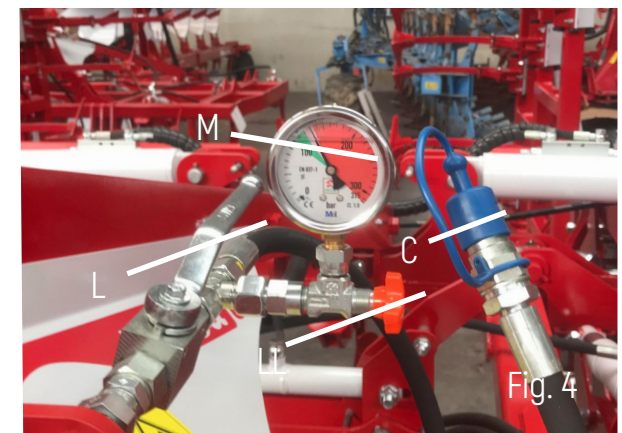


Fig. 4



4.- Start Up

4.1 - Adaptation to the tractor

OVLAC's machinery are designed to adapt to the 3 universal points of any tractor.

The oscilating shaft, o barra de enganche, is supplied in two versions (distanc between centers):

Category II	890 mm.
Category III	1025 mm.

Before linking the cultivator assure that:

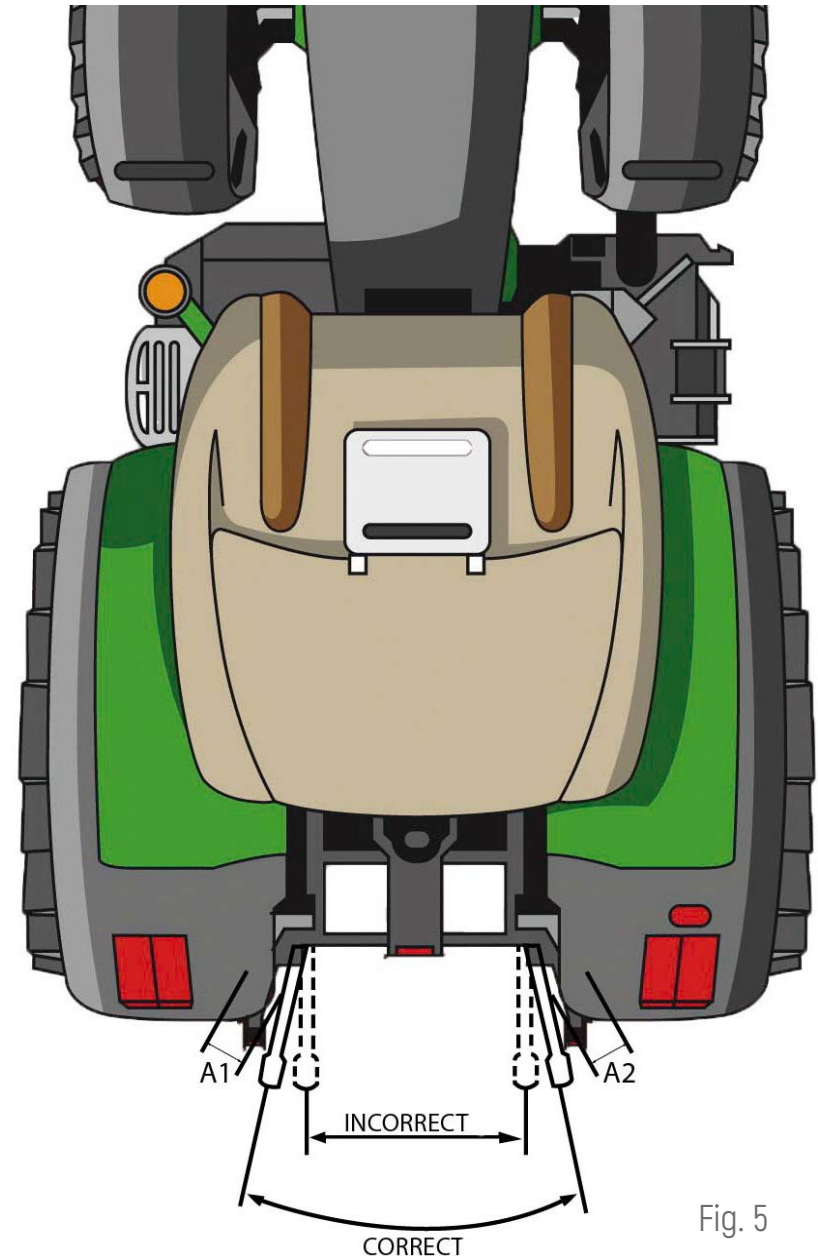
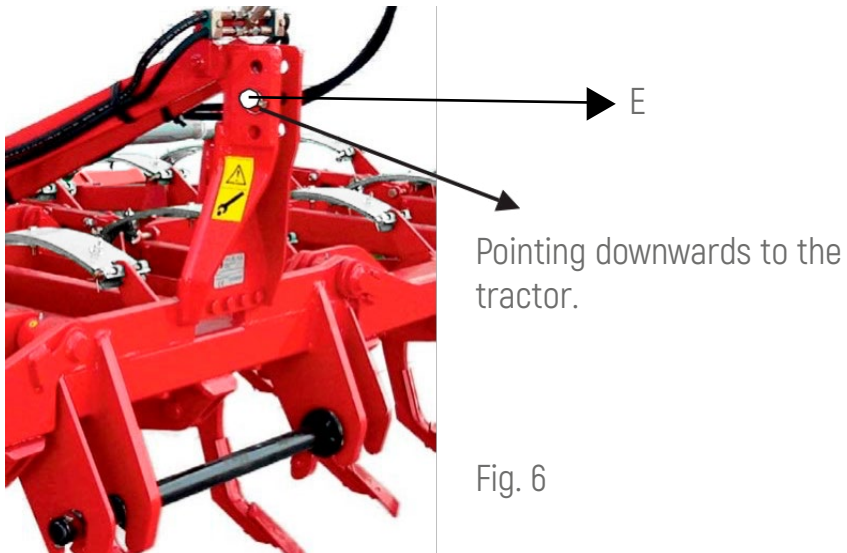
- Tractor' arms are regulated at the same length and height.
- The tractor's wheels have the same pressure and it fits the manufacturer recommendations.
- Tractor' arms must be centered with some clearance for the oscillating movement.



4.2 - Alignment

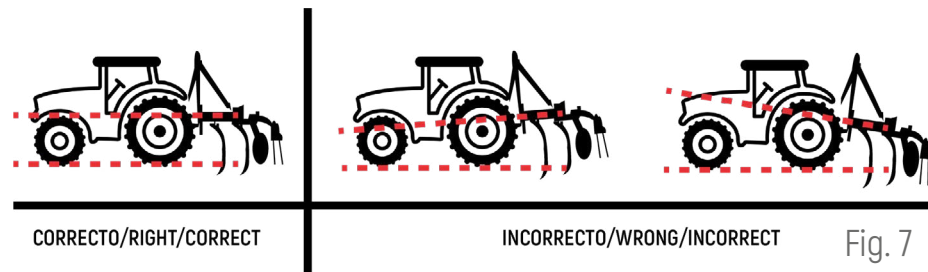
The machinery must be aligned with the tractor; if not, this must abandon the path. Must assure that the distance is $A1 = A2$ (Fig. 5).

The third point's tine must be coupled in order that the end linked over the machine remains slightly higher than the end linked to the tractor. The third point must be coupled always to the oblong hole E, trying that its length allows its free movement while on labor (except for tractors with control on the third point).



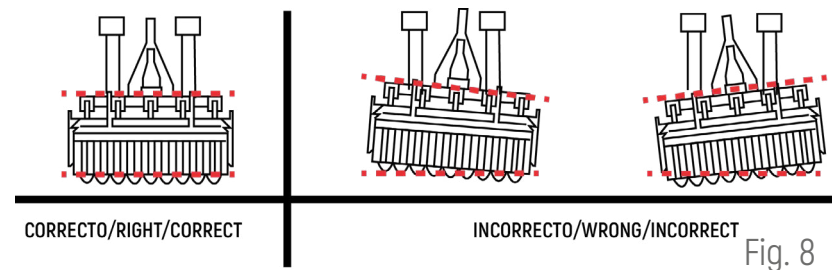
4.3 - Other adjustments

The length of the third option must be adjusted in a way that the frame adopts a parallel position to the ground, since the opposite action would make the different rows of tines to work at different heights, hence making an uneven labor. (Fig. 7)



Because of the same reason, it's necessary that the tractor' arms are placed at the same height, so the machine can work at the same depth throughout its whole width (Fig. 8).

IMPORTANT: curves at work must be avoided whenever it's possible, specially with very wide machinery, since the lever effort can cause important damage on the structure of the equipment.



5.- Working depth

Working depth is regulated through the machine's standard roller, by means of the adjusting bolts A (Fig. 10). Nevertheless, in order to get an even working depth, all Versatill can be equipped with side wheels whose height can be adjusted by means of the stop bolts B (Fig. 11).

For a perfectly levelled finish it is important to adjust the height of the discs D through the turnbuckle T. In addition each disc can be individually regulated through bolts C. (Fig. 10)

Once the discs have been correctly adjusted, you can modify the working depth without actually touching the discs thanks to the parallelogram system that offsets simultaneously discs and roller.

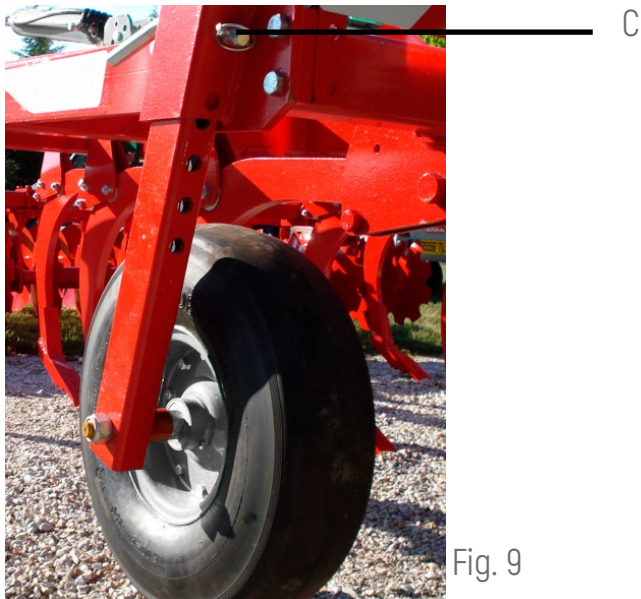


Fig. 9

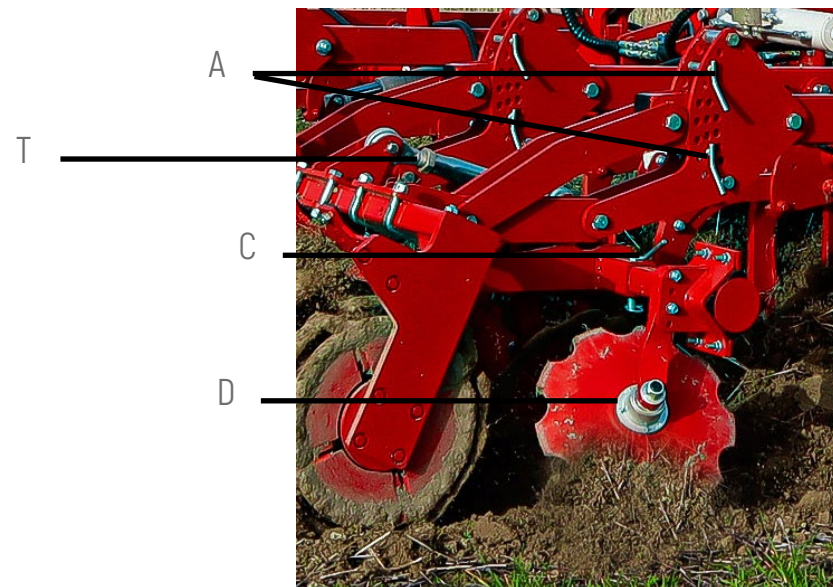


Fig. 10



6.- Transport

Machines with hydraulic folding will be retracted in order to ease its transport, leaving the equipment to its minimum width. (Fig. 11) All the folded versions incorporate a hydraulic automatic lock for an improved security. Trailed versions come with hydraulic suspension on the transport cylinder A. (Fig. 12) To prevent the rollers from swinging during transportation on the road, lock them with pins A, described in the previous point. Trailed models must be raised to the top on the transport wheels extending cylinder C (fig. 10) to its maximum length for a safe transport on the road. Cylinder C houses a damper inside for greater comfort on driving. When circulating on public roads it is important to respect the driving code and install if it is necessary to install the road lights (optional).



Fig. 11

In the transport position, a speed of 25 km/h must never be exceeded. If necessary, the tyre pressure must be checked in accordance with the manufacturer's instructions on the sidewall of the tyre.

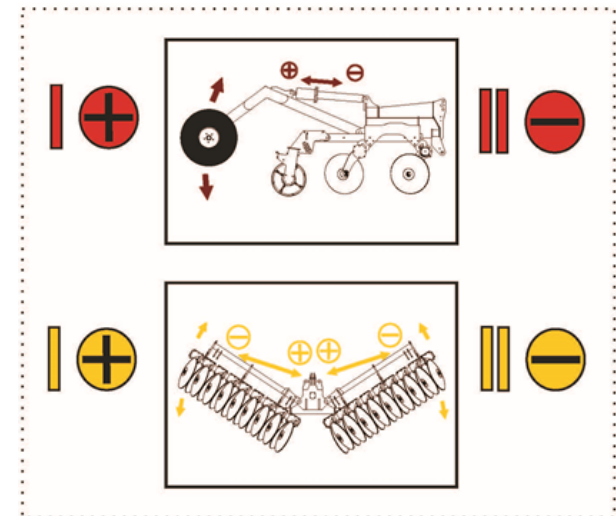


Fig. 12

6.1- Hydraulic functions

There's 2 hydraulic functions available:

1. Red: Elevate/Lower the trail kit, in order to regulate the height of the machine.
2. Yellow: Fold/unfold the machine for Work (folding cylinders stretched) –Transport (retracted cylinders)



7.- Maintenance

Must check the tightening of all the bolts after the first 2 hours of labor, specially the tips and skimmers ones. Afterwards, check every 100 hours of labor. When finishing the area, clean up and grease down the skimmers in order to avoid rustiness.

Lube: must grease regularly the greasing points.

Safe maintenance

Get familiar with the maintenance procedures before getting to work. The labor area must be clean and dry. No greasing, fixing, or engine adjusting while the engine is on the run. Keep hands, feet and clothes away from the mobile components. In order to relieve the pressure, set all controls on break-even point. Lower all gear to the ground. Every component must be in good conditions and installed correctly. Fix the damage immediately. Change any worn-down and/or broken wearing part. Keep the machinery components free of grease, oil, and dirt accumulated. When it comes to trailed equipment, unplug the hoses from the tractor before doing any welding on the machine.

Watch out for the high-pressure leaks.

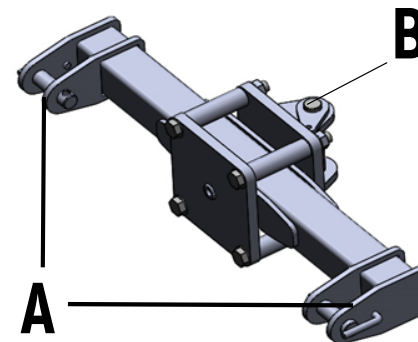
Fluids coming out of the system can be potent enough to pierce through skin, causing severe injuries. Therefore, is mandatory to lower the pressure off before unplugging any hose off and make sure that all conexions and racores are well tightened before applying any kind of pressure on to the system.



In order to locate an hydraulic oil leak, use a piece of cardboard used for placing over the conexions. Don't get your hands nor your body close to a high pressure leak. If despite the precautions an accident happens, go immediately to a healthcare center to get the fluid removed surgically in a few hours in order to avoid gangrene. Unexperienced doctors on this kind of injuries may contact an specialized healthcare center.

Hydraulic hoses storage.

IMPORTANT: keep the plugs clean. Abrasive particles such as sand or metal sharps may damage the hoses and cylinder, provoking internal leaks. Once unplugged from the tractor make sure the gear is not touching the ground.



LINKING BOLTS

The linking bolts A and the turning bolt B must be made of: F-125 TREATED OF 36 and 40 diameter each.

For the proper adjustment and functioning the bolts will be replaced when the clearance between the bolt and the holder overpass 2 mm.



8.- Optional equipment

Ovlac's Versatill can be equipped with:

1. Pair of wings (Fig.13)
2. Trail kit (Fig.14)
3. Roadlights and signs (Fig.14)
4. Levelling side discs (Fig.15)
5. Non-Stop discs (Fig.16)
6. Side wheels (Fig.17)
7. Hydraulic adjustment of the roller's depth (Fig.18)
8. Forged tip points (Fig.19)
9. Rollers (Fig. 20, 21, 22, 23, 24)

Fig. 13



Fig. 14

Fig. 15



Fig. 16

Fig. 17



Fig. 18

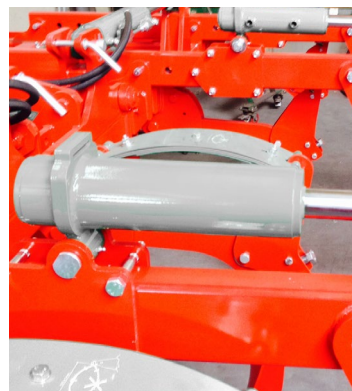


Fig. 19





Fig. 20



Fig. 21

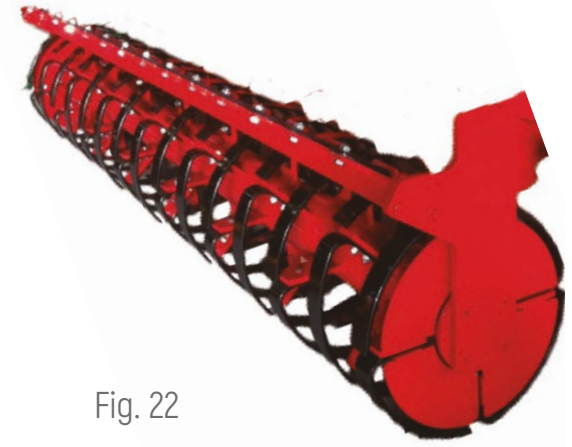


Fig. 22



Fig. 23



Fig. 24



9.- Spare parts

Spare parts orders must always be placed through dealers and will include the next indications:

- Type, model and plough's number of manufacturing. This data is indicated on the identification plate of the plough.
- Reference of the piece. Indicated on the spareparts catalogue.
- Name of the piece and quantity required.
- Method of shipping. Transport expenses run of the purchaser.
- NOTE: The terms left or right, indicated on the name, are meant to be understood always facing the plough from its rear view. When it comes to supposed-to-break gear, rights are considered ll those that are part of the body that drifts to the righth and viceversa.
- Note on warranty: must be clearly specified if the spare parts order are ordered under warranty time. The manufacturer will be the one to decide if the order stands to warranty or not when replacing the pieces. Plus, warranty loses all its value if:
 - Repairs Unauthorized by the manufacturer are made, unoriginal spare parts and bolts are inadequate.
 - User goes through the power limit stated on the technical data sheet, or abnormal maneuvers are made.





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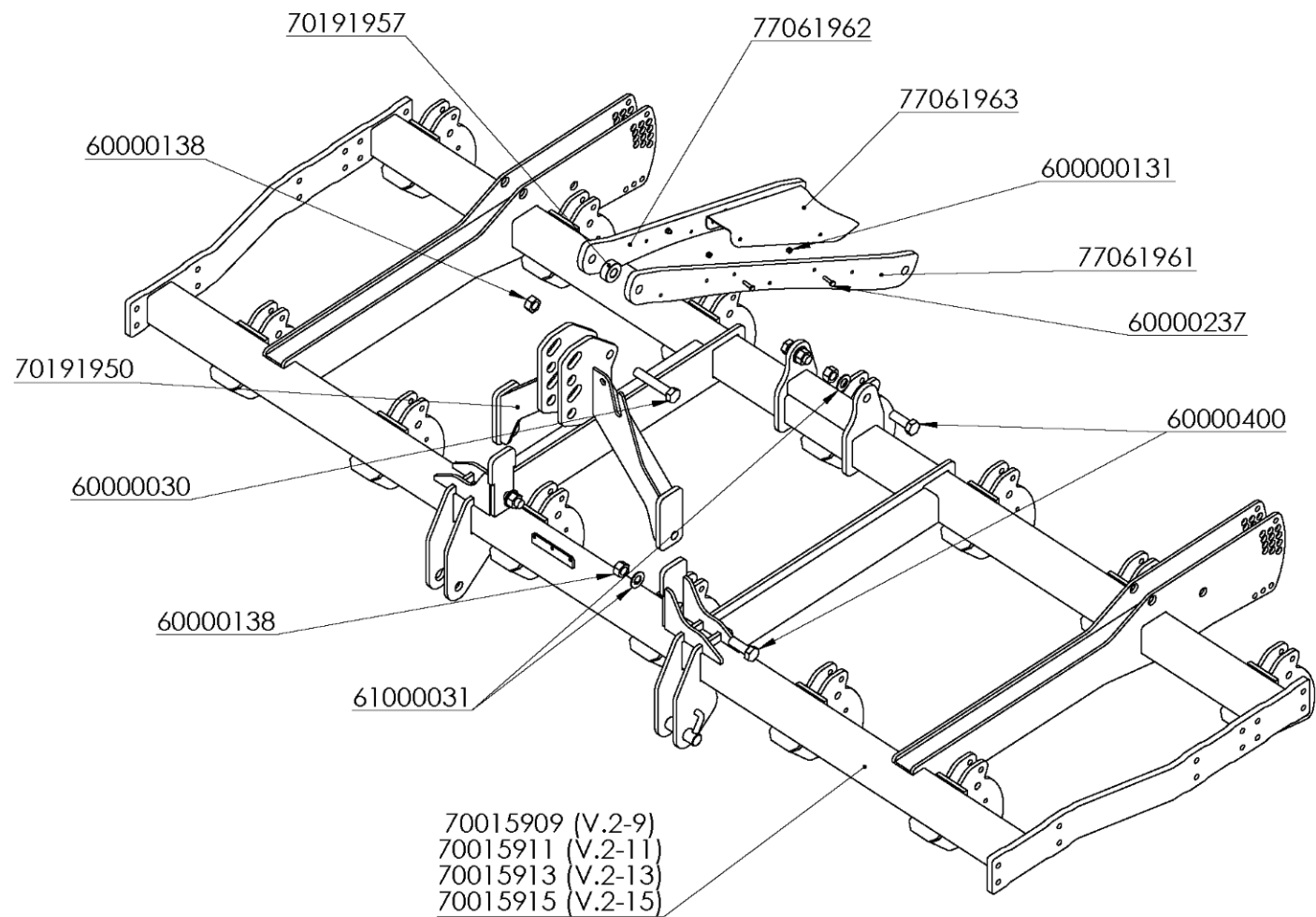
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FRAME 2

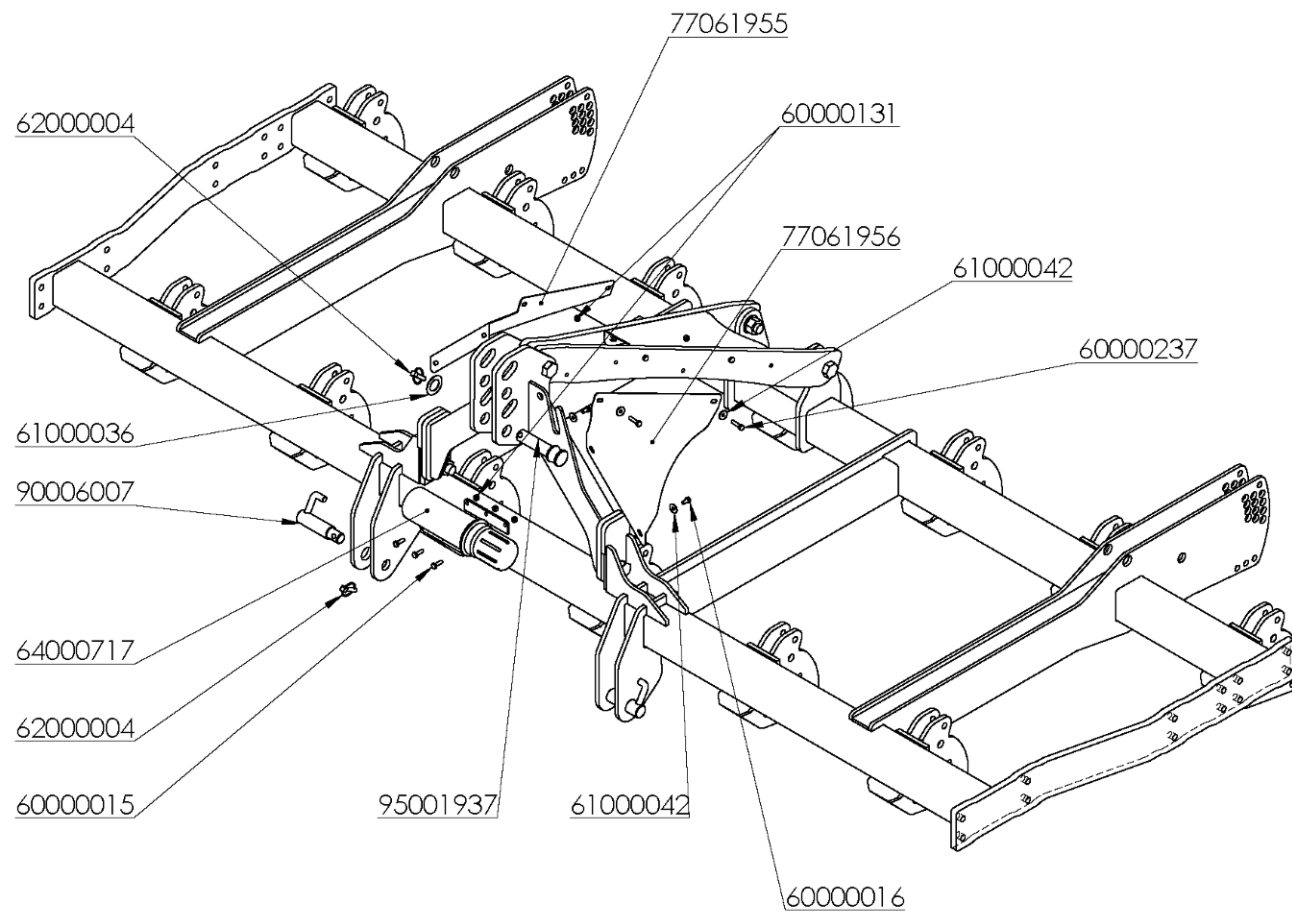


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60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	77061963	PLACA UNION TIRANTES CHH
60000237	TORN.EXAG.DIN-933 8* 35 8.8 ZINC.	60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.
60000400	TORN.EXAG.DIN-931 1"* 70 SAE 12.9	70015911	BAST.CHH-11
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	70015913	BAST.CHH-13
70191950	TORRETA VHC CAT-III	70015915	BAST.CHH-15
70191957	CASQ. D=60/26*24mm.SEP.TORRETA VHC	70015909	BAST.CHH-9
77061961	TIRANTE SUP.IZQDO.CHH		



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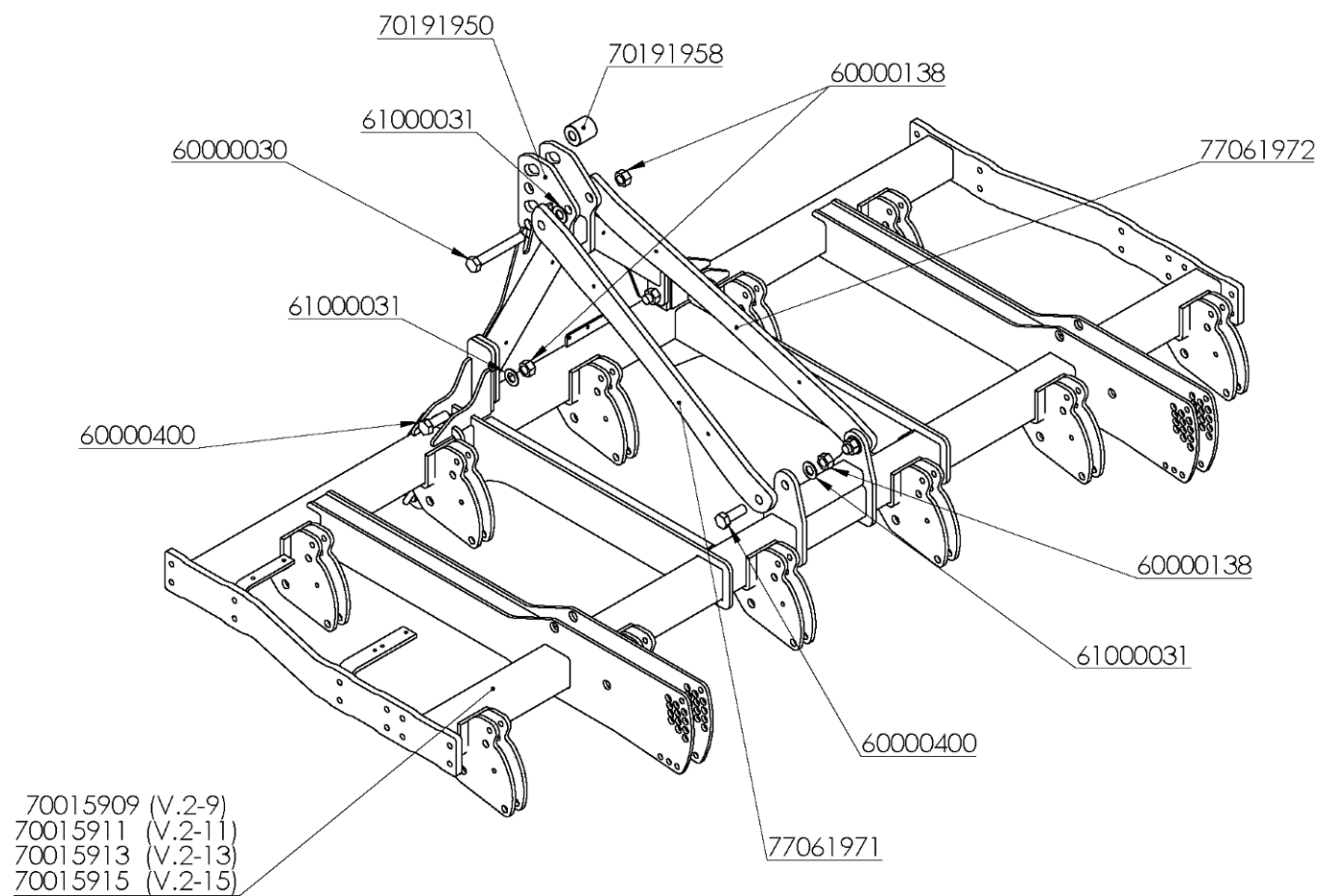


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60000016	TORN.EXAG.DIN-933 8* 16 8.8 ZINC.	64000717	PORTA-DOCUMENTOS ATORNILLABLE
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60000237	TORN.EXAG.DIN-933 8* 35 8.8 ZINC.	77061956	EMBELLECEDOR IZQDO.EURODISC-P
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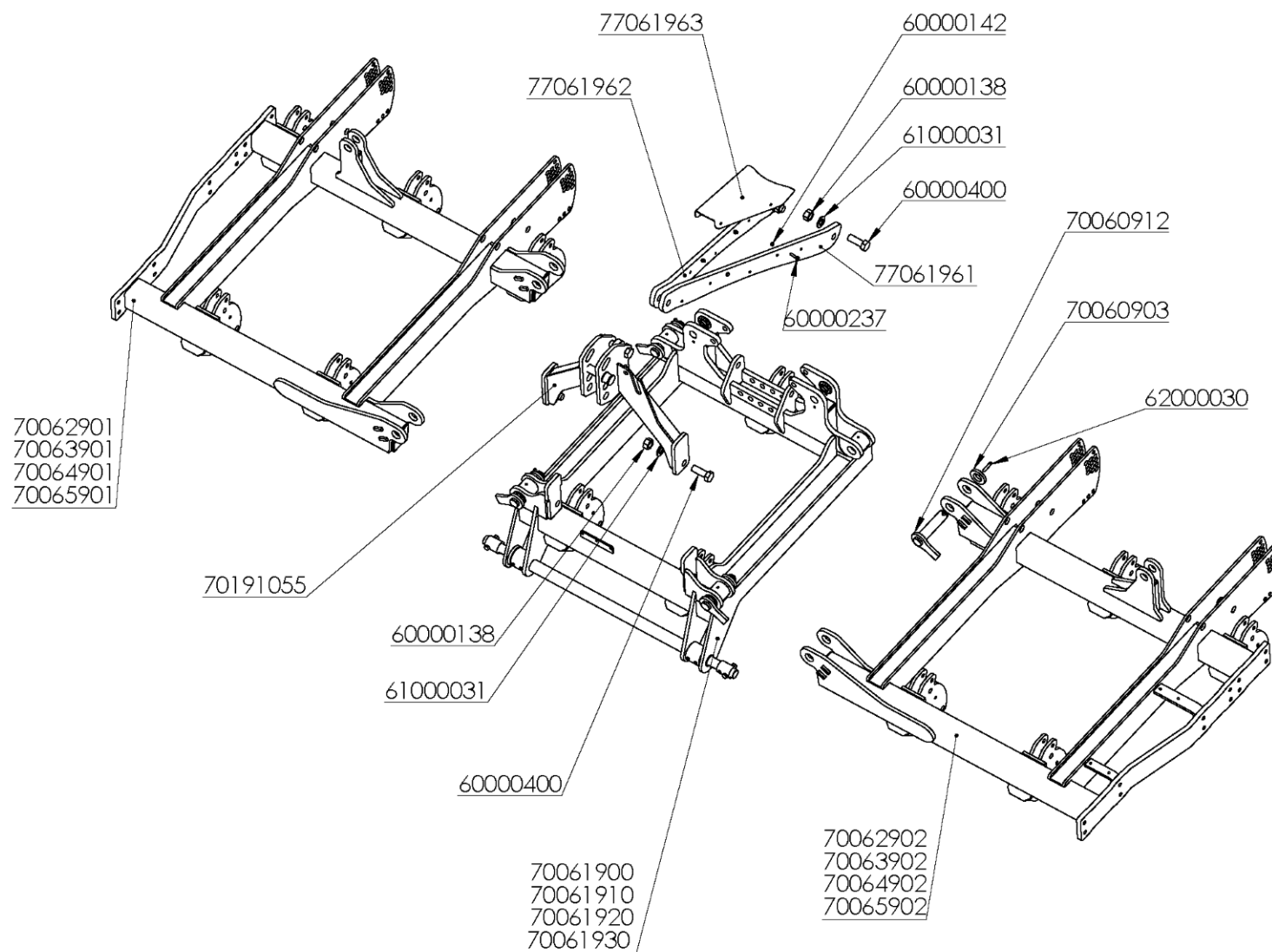


FRAME 2 LEAFSPRINGS

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60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	70191958	CASQ.D=60/26*64mm.SEP.TORRETA VHB
60000400	TORN.EXAG.DIN-931 1"* 70 SAE 12.9	70015909	BAST.CHH-9
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	70015911	BAST.CHH-11
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77061971	TIRANTE SUP.IZQDO.VHB	70015915	BAST.CHH-15



FRAME 2 FOLDABLE

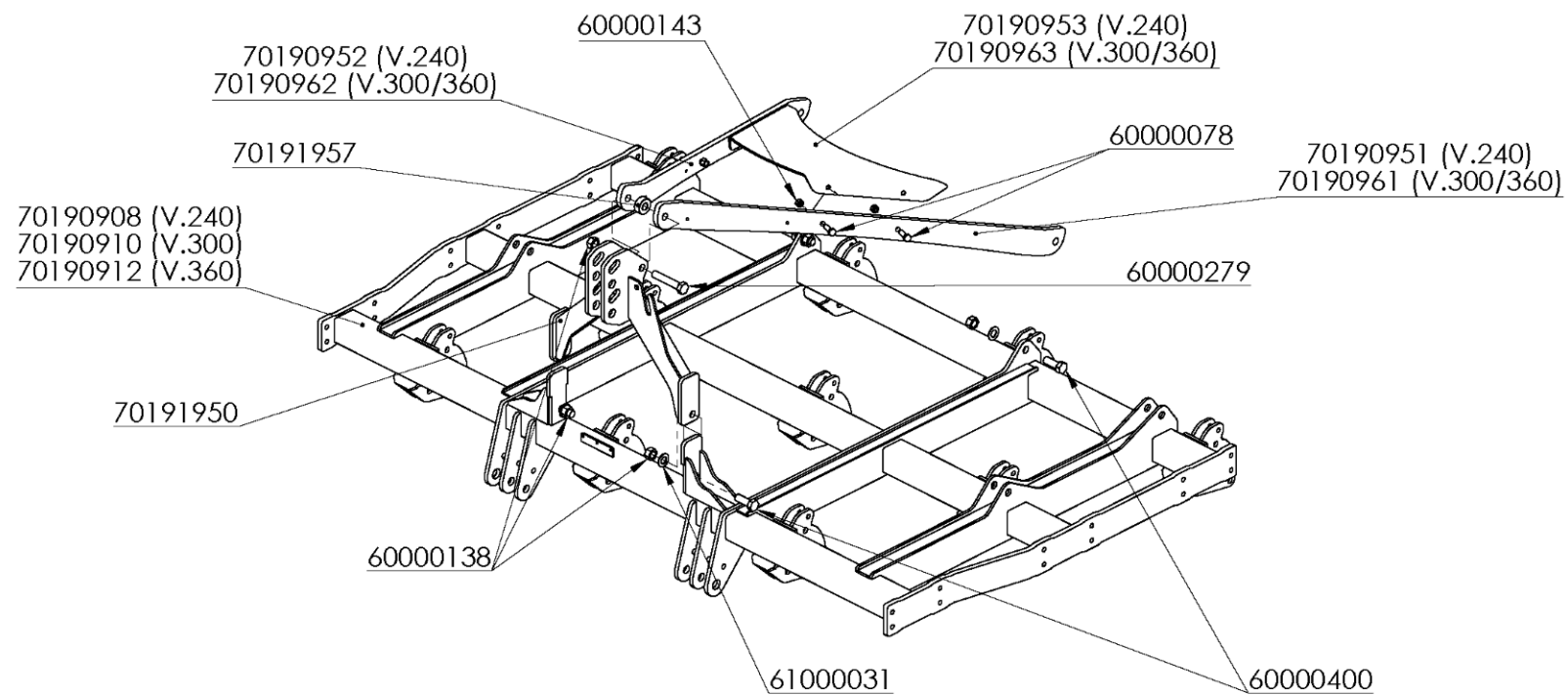


FRAME 2 FOLDABLE

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	70062902	BAST.IZQUIERDO VHC-2-450P
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	70063901	BAST.DERECHO VHC-2-400P
60000237	TORN.EXAG.DIN-933 8* 35 8.8 ZINC.	70063902	BAST.IZQUIERDO VHC-2-400P
60000400	TORN.EXAG.DIN-931 1"* 70 SAE 12.9	70064901	BAST.DERECHO VHC-2-500P
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	70064902	BAST.IZQUIERDO VHC-2-500P
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	70065901	BAST.DERECHO VHC-2-600P
70060912	BULON D=40*184mm.PLEG.VHC	70065902	BAST.IZQUIERDO VHC-2-600P
70061900	BAST. CENTRAL VHC-2-450-P	70191055	PLACA RFZO.DCH.TORRETA VHC
70061910	BAST. CENTRAL VHC-2-400-P	77061961	TIRANTE SUP.IZQDO.CHH
70061920	BAST. CENTRAL VHC-2-500-P	77061962	TIRANTE SUP.DCHO.CHH
70061930	BAST. CENTRAL VHC-2-600-P	77061963	PLACA UNION TIRANTES CHH
70062901	BAST.DERECHO VHC-2-450P		



FRAME 3

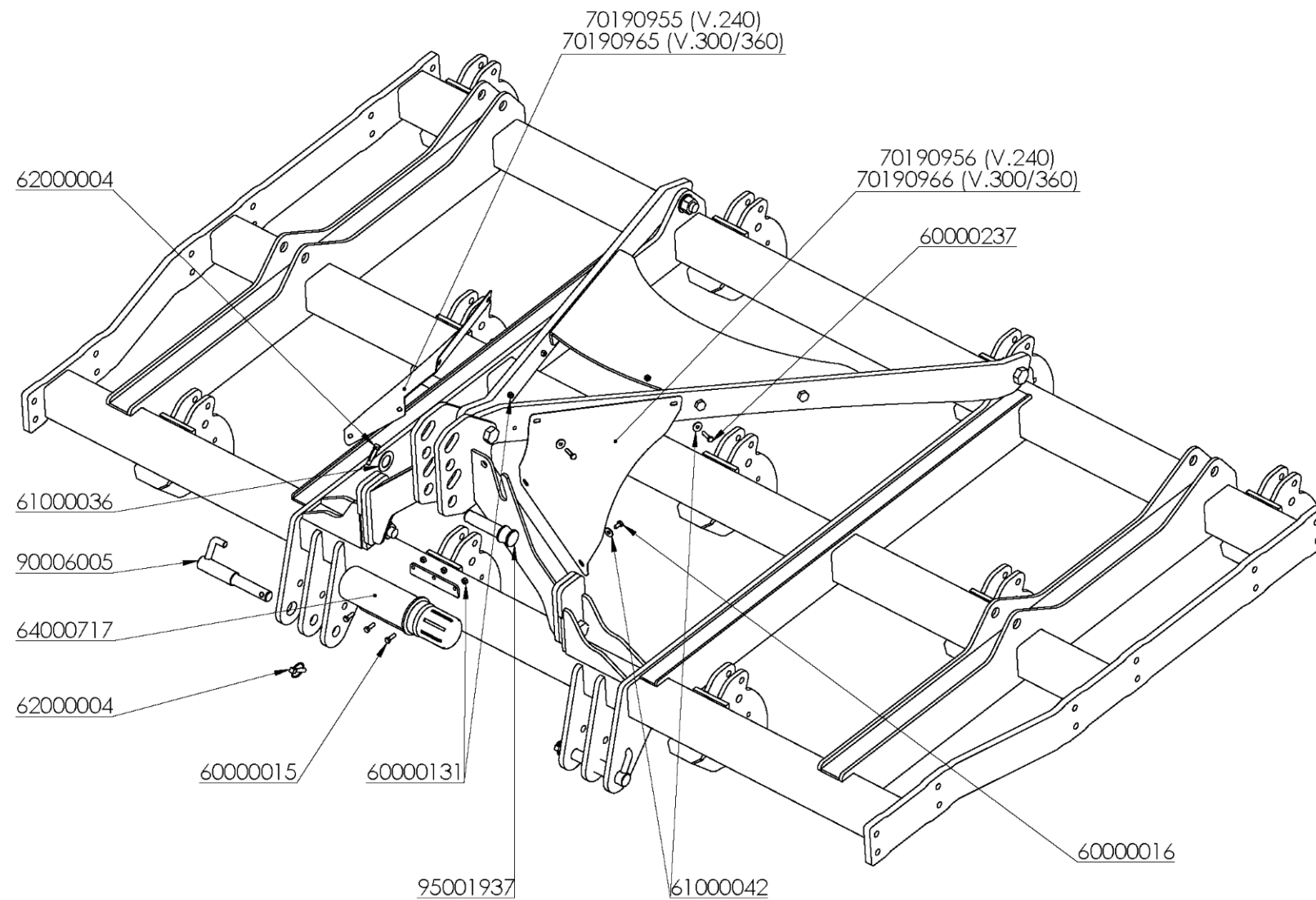


FRAME 3

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000078	TORN.EXAG.DIN-933 16* 50 8.8 ZINC.	70190951	TIRANTE SUP.IZQDO.VHC-240
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	70190952	TIRANTE SUP.DCHO.VHC-240
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	70190953	PLACA UNION TIRANTES VHC-240
60000279	TORN.EXAG.C/LAR.1"*135 SAE 12.9 ZINC.	70190910	BAST.VHC-300-10/3
60000400	TORN.EXAG.DIN-931 1"* 70 SAE 12.9	70190961	TIRANTE SUP.IZQDO.VHC-300/360
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	70190962	TIRANTE SUP.DCHO.VHC-300/360
70191950	TORRETA VHC CAT-III	70190963	PLACA UNION TIRANTES VHC-300/360
70191957	CASQ. D=60/26*24mm.SEP.TORRETA VHC	70190912	BAST.VHC-360-12/3
70190908	BAST.VHC-240-8/3		



FRAME 3 FINISHED

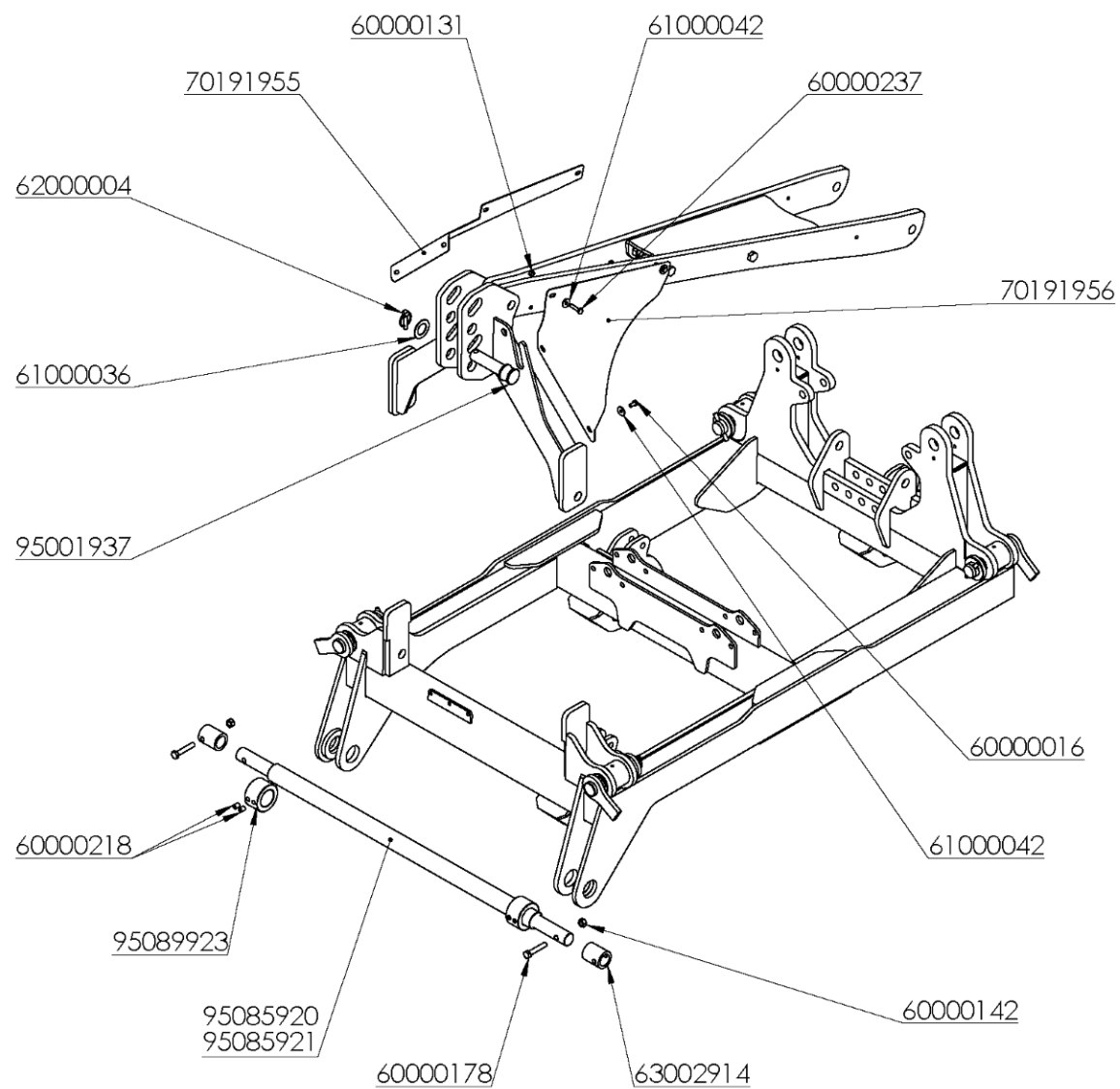


FRAME 3 FINISHED

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.	70190956	EMBELLECEDOR IZQDO.VHC-240
60000016	TORN.EXAG.DIN-933 8* 16 8.8 ZINC.	70190965	EMBELLECEDOR DCHO.VHC-300/360
60000237	TORN.EXAG.DIN-933 8* 35 8.8 ZINC.	70190966	EMBELLECEDOR IZQDO.VHC-300/360
61000042	ARAND.DIN-9021 8 ZINC.	62000004	PASADOR ANILLA 10 ZINC.
64000717	PORTA-DOCUMENTOS ATORNILLABLE	61000036	ARAND.ESTANDAR-A 32 ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	90006005	BULON D=36/28*205mm.(CAT-II/III)
70190955	EMBELLECEDOR DCHO.VHC-240	95001937	BULON D=31,7*153mm.3er.PTO.CAT.III (D/21)



FRAME 3 FOLDABLE

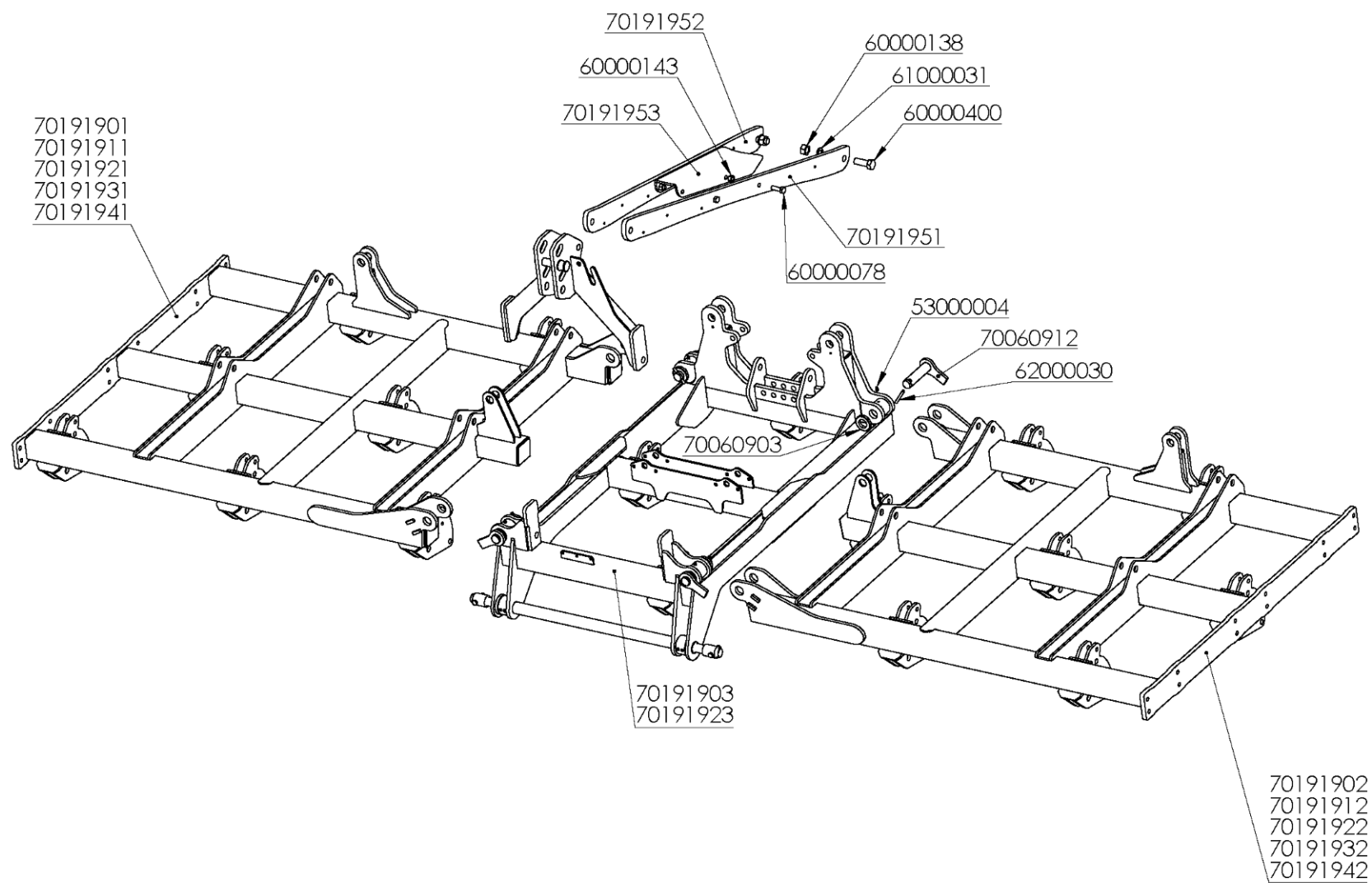


FRAME 3 FOLDABLE

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000016	TORN.EXAG.DIN-933 8* 16 8.8 ZINC.	62000004	PASADOR ANILLA 10 ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	63002914	CASQ.D= 50/37*60mm.ENG.RAP.CAT-III RFZD.
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	70191955	EMBELLECEDOR DCHO.VHC-P
60000178	TORN.EXAG.DIN-931 12* 65 8.8 ZINC.	70191956	EMBELLECEDOR IZQDO.VHC-P
60000218	TORN.ALLEN DIN-913 12* 16 12.9	95001937	BULON D=31,7*153mm.3er.PTO.CAT.III (D/21)
60000237	TORN.EXAG.DIN-933 8* 35 8.8 ZINC.	95085920	BARRA ENG.VBC PLEG.
61000036	ARAND.ESTANDAR-A 32 ZINC.	95085921	BARRA ENG.VBC PLEG.CAT.III/IV
61000042	ARAND.DIN-9021 8 ZINC.	95089923	CASQ.D= 80/50*47mm.ENG.RAP.VHC



FRAME 3 FOLDABLE

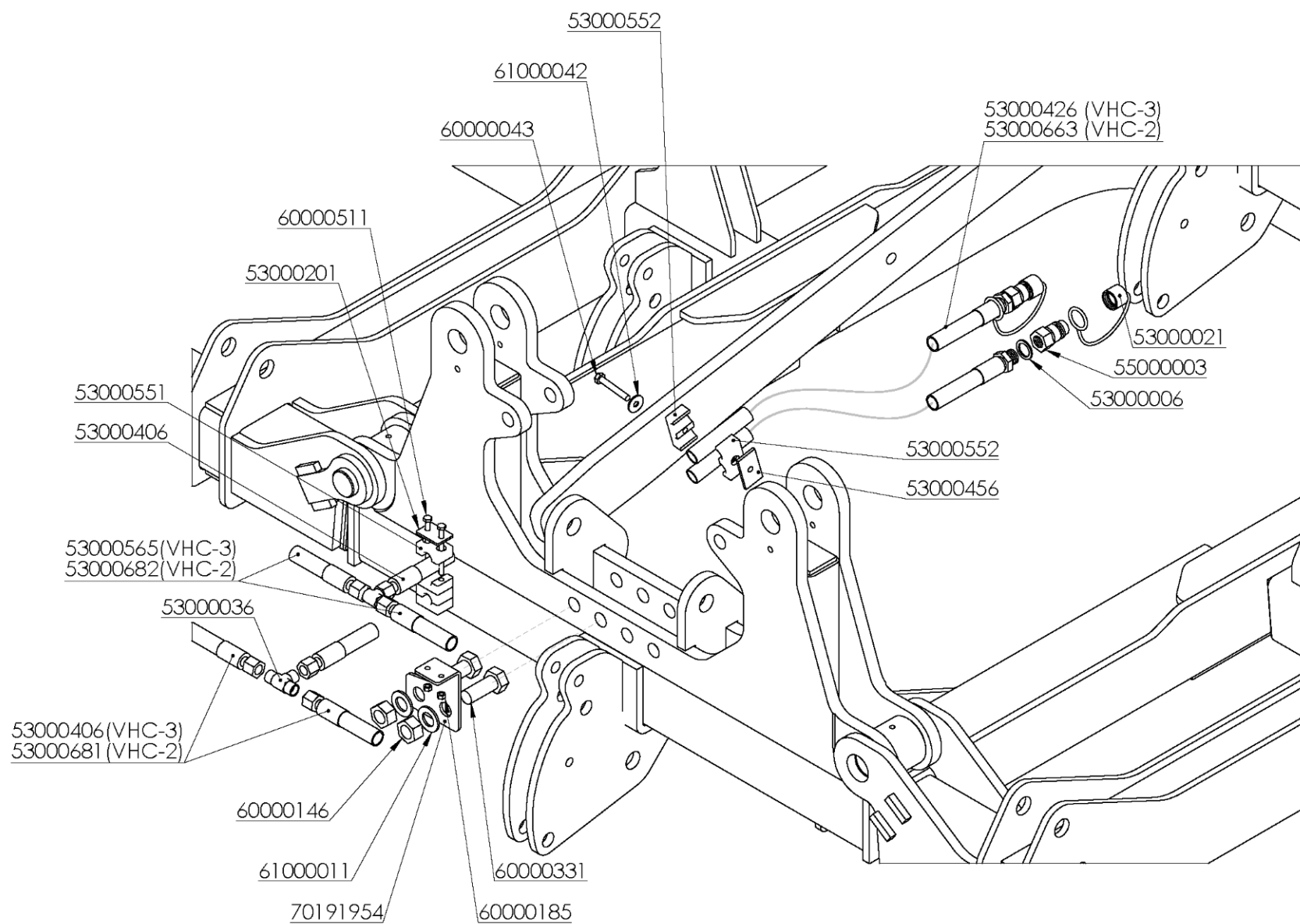


FRAME 3 FOLDABLE

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000004	ENGRASADOR AC° DIN-71412 8*125	70191911	BAST.DERECHO VHC-390
60000078	TORN.EXAG.DIN-933 16* 50 8.8 ZINC.	70191912	BAST.IZQUIERDO VHC-390
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	70191921	BAST.DERECHO VHC-500
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	70191922	BAST.IZQUIERDO VHC-500
60000400	TORN.EXAG.DIN-931 1"* 70 SAE 12.9	70191923	BAST.CENTRAL VHC-510/570
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	70191931	BAST.DERECHO VHC-570
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	70191932	BAST.IZQUIERDO VHC-570
70060903	ARAND.P/BULON PLEG.CH/MCH/DISC	70191941	BAST.DERECHO VHC-600
70060912	BULON D=40*184mm.PLEG.VHC	70191942	BAST.IZQUIERDO VHC-600
70191901	BAST.DERECHO VHC-450	70191951	TIRANTE SUP.IZQDO.VHC-P
70191902	BAST.IZQUIERDO VHC-450	70191952	TIRANTE SUP.DCHO.VHC-P
70191903	BAST.CENTRAL VHC-390/450	70191953	PLACA UNION TIRANTES VHC-P



FOLDING HYDRAULIC SYSTEM

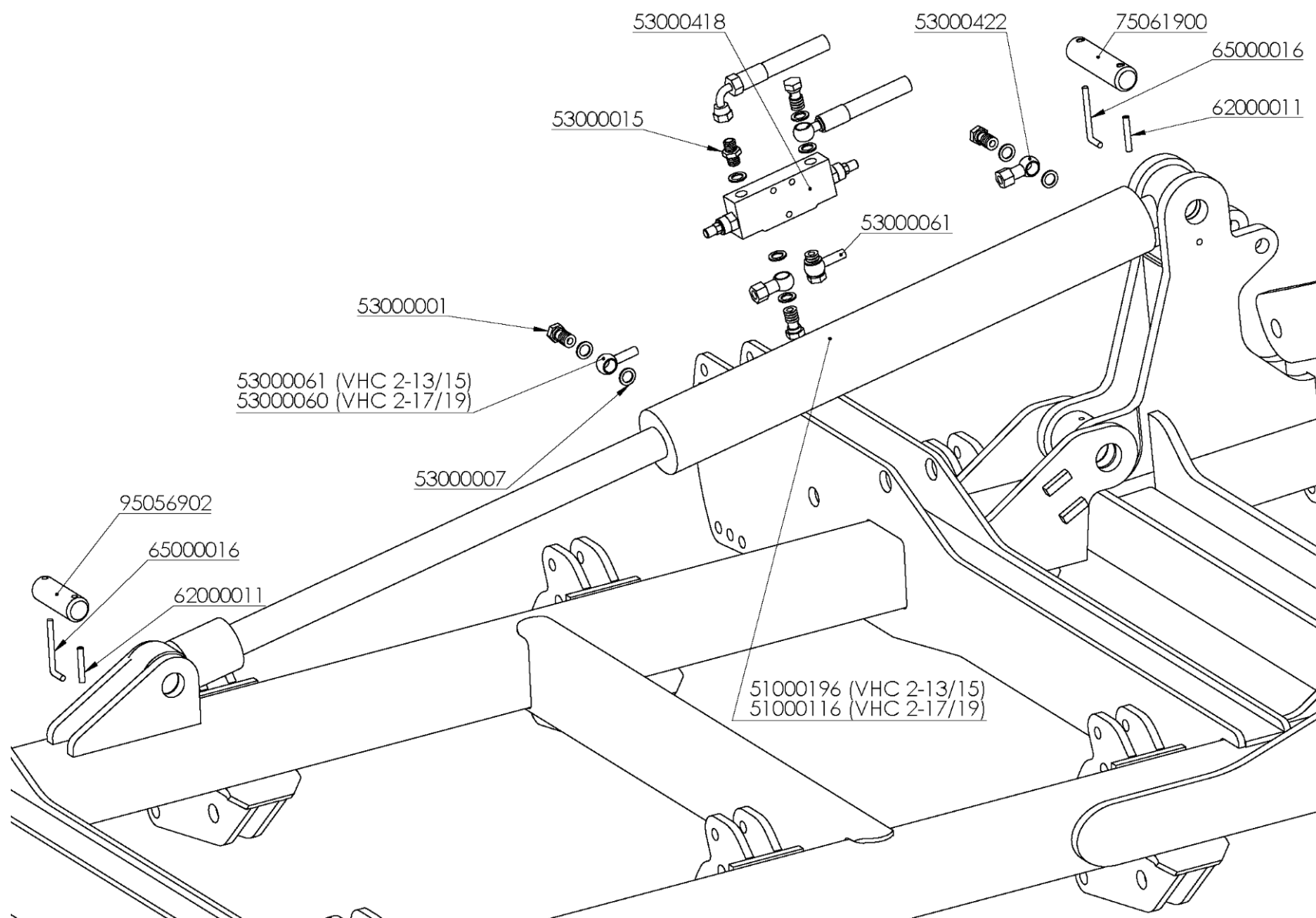


FOLDING HYDRAULIC SYSTEM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000006	JUNTA METAL/GOMA 1/2" 11603	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR	60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.
53000036	TE UNION IGUAL 12 T12-L	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
53000201	PLACA RFZO.AB.SIMPLE 18 DP2	60000185	TUER.AUTO.DIN-980 6 8.8 ZINC.
53000406	LATIG.PREMIER-3/8* 550mm.OR-3/8/TL-18	60000331	TORN.EXAG.DIN-933 20* 50 8.8 ZINC.
53000426	LATIG.PREMIER-3/8*3200mm.MF-1/2/TL-18	60000511	TORN.EXAG.DIN-931 6* 80 8.8 ZINC.
53000456	PLACA SOLDAR AB.DOUBLE 15/18 SP2D	61000011	ARAND.DIN-125 20 ZINC.
53000551	ABRAZ.SIMPLE LAT.PREMIER 3/8	61000042	ARAND.DIN-9021 8 ZINC.
53000552	ABRAZ.DOUBLE LAT.PREMIER 3/8	70191954	SOP.LATIG.PLEGADO VHC
53000565	LATIG.PREMIER-3/8* 680mm.OR-3/8/TL-18		



HYDRAULIC SYSTEM 2 ROWS

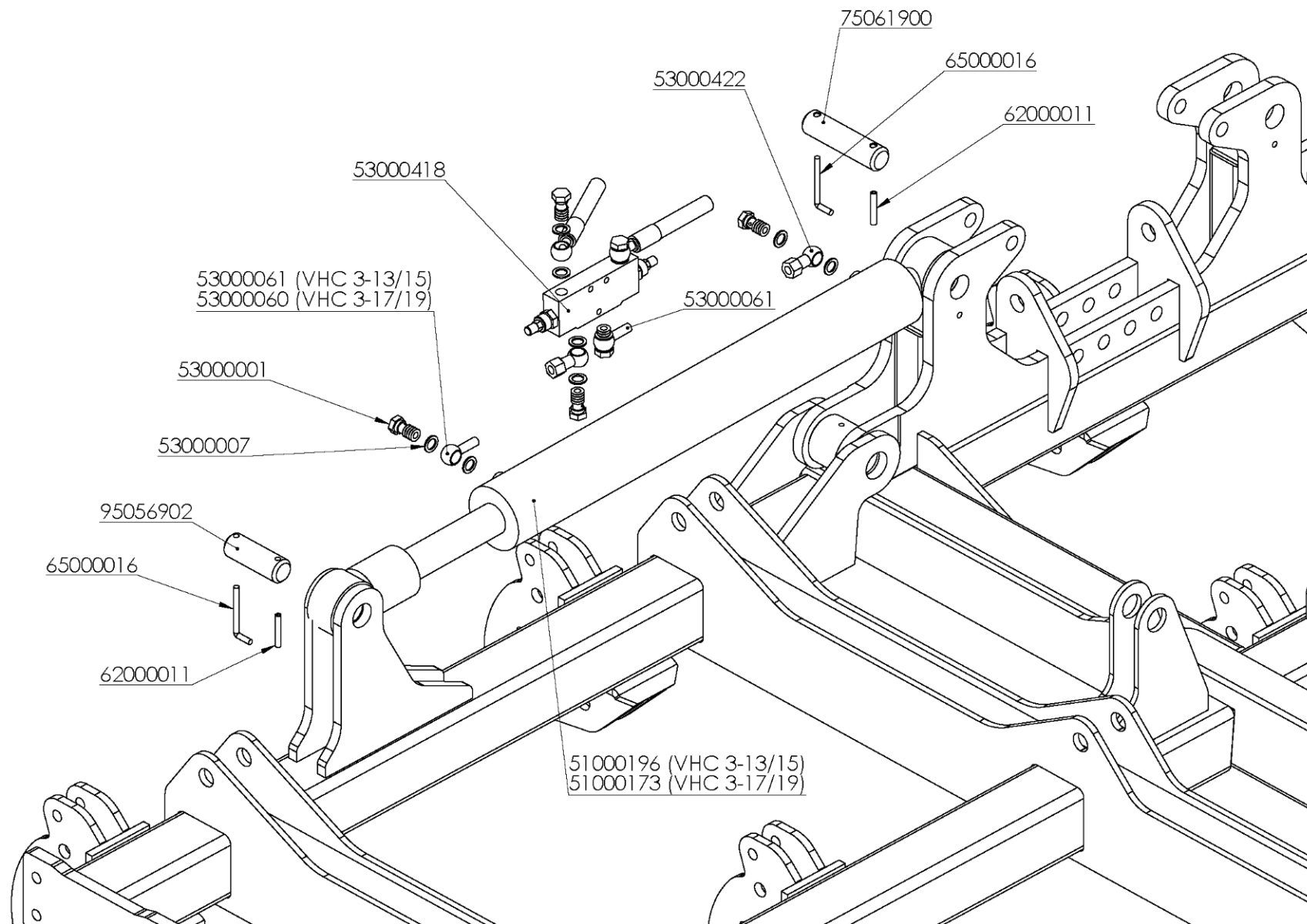


HYDRAULIC SYSTEM 2 ROWS

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000116	CILIND.PLEG.MCH/DISC/FENIX 50/100/500	53000418	VALV.OVERCENTER VBCD 3/8 DE-A V0422
51000196	CILIND.PLEG.CHISEL/VBC/EURO/MAXIDISC 90/45/375	53000422	ESFERICO 3/8" + UNION TUBO/TUBO 12 4002E+12L
53000001	TORNILLO SIMPLE 3/8 4022	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
53000007	JUNTA METAL/GOMA 3/8" 11602	65000016	PASADOR FIJACION D= 7,5mm. ZINC.
53000015	UNION MACHO 3/8 4062	75061900	BULON D=34,8*138mm.CILIND.LATERAL + GEOMET
53000060	ESFERICO 3/8" TUBO 12mm.L=400 4002E2	95056902	BULON D=34,8*100mm.CILIND.VOLTEO SS + GEOMET
53000061	ESFERICO 3/8" TUBO 12mm.L=200		



HYDRAULIC SYSTEM 3 ROWS

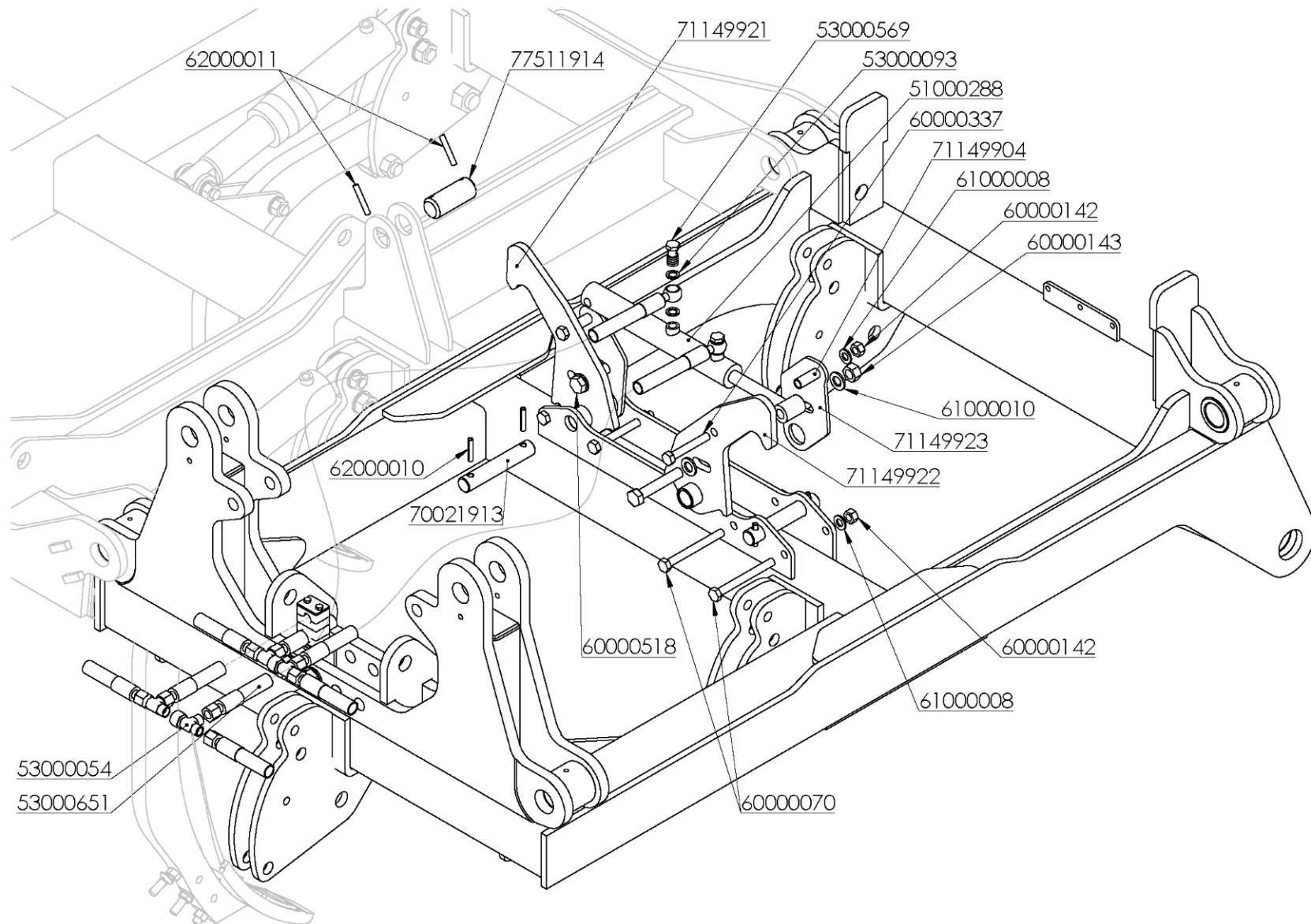


HYDRAULIC SYSTEM 3 ROWS

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000173	CILIND.PLEG.VBC 50/100/489	53000422	ESFERICO 3/8" + UNION TUBO/TUBO 12 4002E+12L
51000196	CILIND.PLEG.CHISEL/VBC/EURO/MAXIDISC 90/45/375	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
53000001	TORNILLO SIMPLE 3/8 4022	62000048	PASADOR ELAST.DIN-1481 8*50
53000007	JUNTA METAL/GOMA 3/8" 11602	65000016	PASADOR FIJACION D= 7,5mm. ZINC.
53000060	ESFERICO 3/8" TUBO 12mm.L=400 4002E2	75061900	BULON D=34,8*138mm.CILIND.LATERAL + GEOMET
53000061	ESFERICO 3/8" TUBO 12mm.L=200	95056902	BULON D=34,8*100mm.CILIND.VOLTEO SS + GEOMET
53000418	VALV.OVERCENTER VBCD 3/8 DE-A V0422		



AUTOMATIC TRANSPORT LOCKING

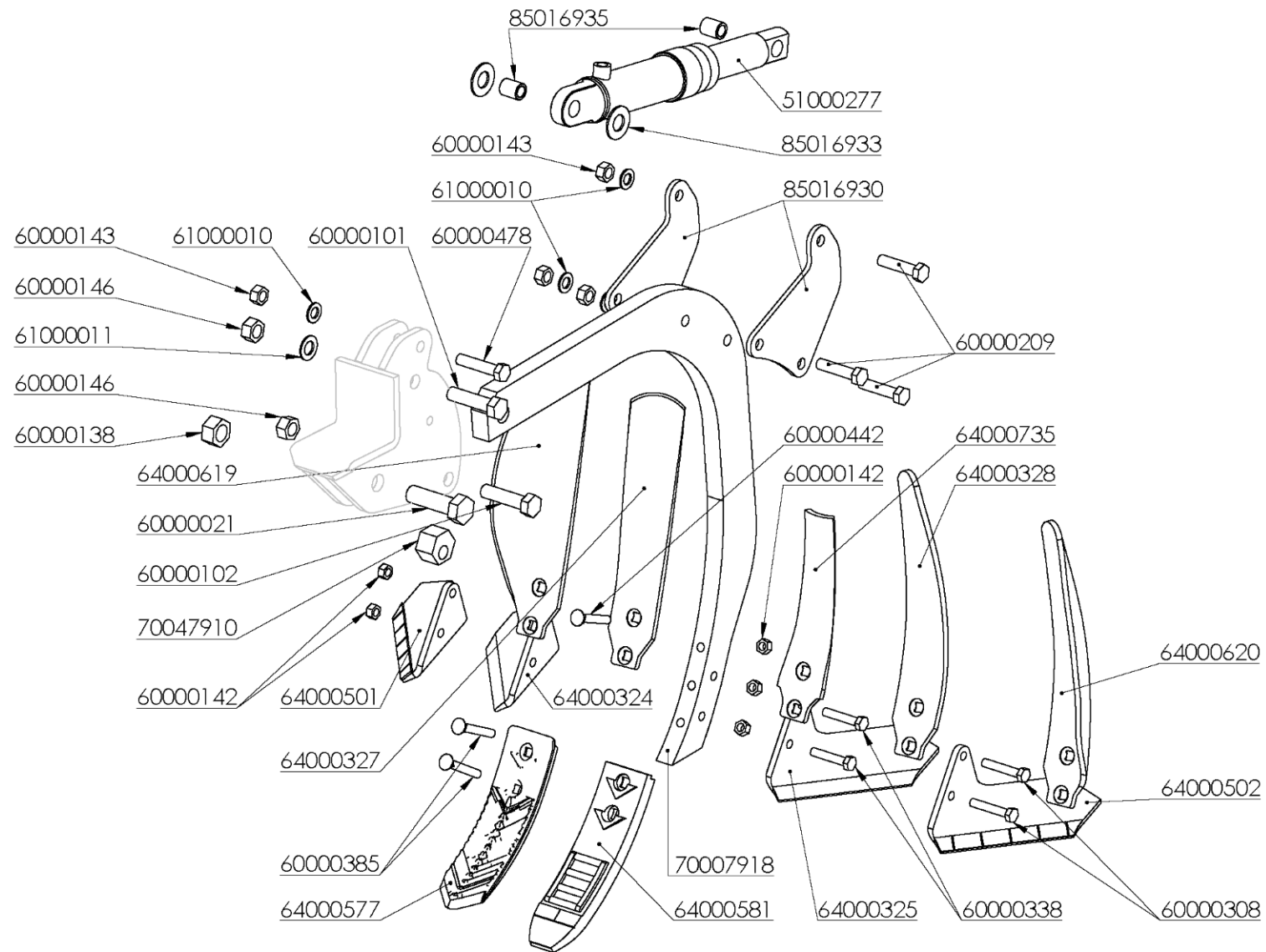


AUTOMATIC TRANSPORT LOCKING

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000288	CILINDRO CASQUILLO D.E. 20/32/50	61000008	ARAND.DIN-125 12 ZINC.
53000054	TE C/TCA.LOCA LATERAL 12 EVL12-PL	61000010	ARAND.DIN-125 16 ZINC.
53000093	JUNTA METAL GOMA 1/4 11601	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
53000569	TORNILLO SIMPLE 1/4	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
53000651	LATIG.PREMIER-1/4* 800mm.TL-18/OR-1/4	70021913	BULON D=25*135mm.BIELA GRADA ABAT.
60000070	TORN.EXAG.DIN-931 12*120 8.8 ZINC.	71149904	SEP.TUBO 18*14*41mm.
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	71149921	GANCHO TRANQUE DCH.VHC
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	71149922	GANCHO TRANQUE IZQ.VHC
60000337	TORN.EXAG.DIN-931 12* 80 8.8 ZINC.	71149923	PLACA APOYO GANCHO TRANQUE VHC
60000518	TORN.EXAG.DIN-931 16* 90 8.8 ZINC.	77511914	BULON D=34,8*86mm.CILIND.ABAT.MINIVID



VHC BODY ASSEMBLY

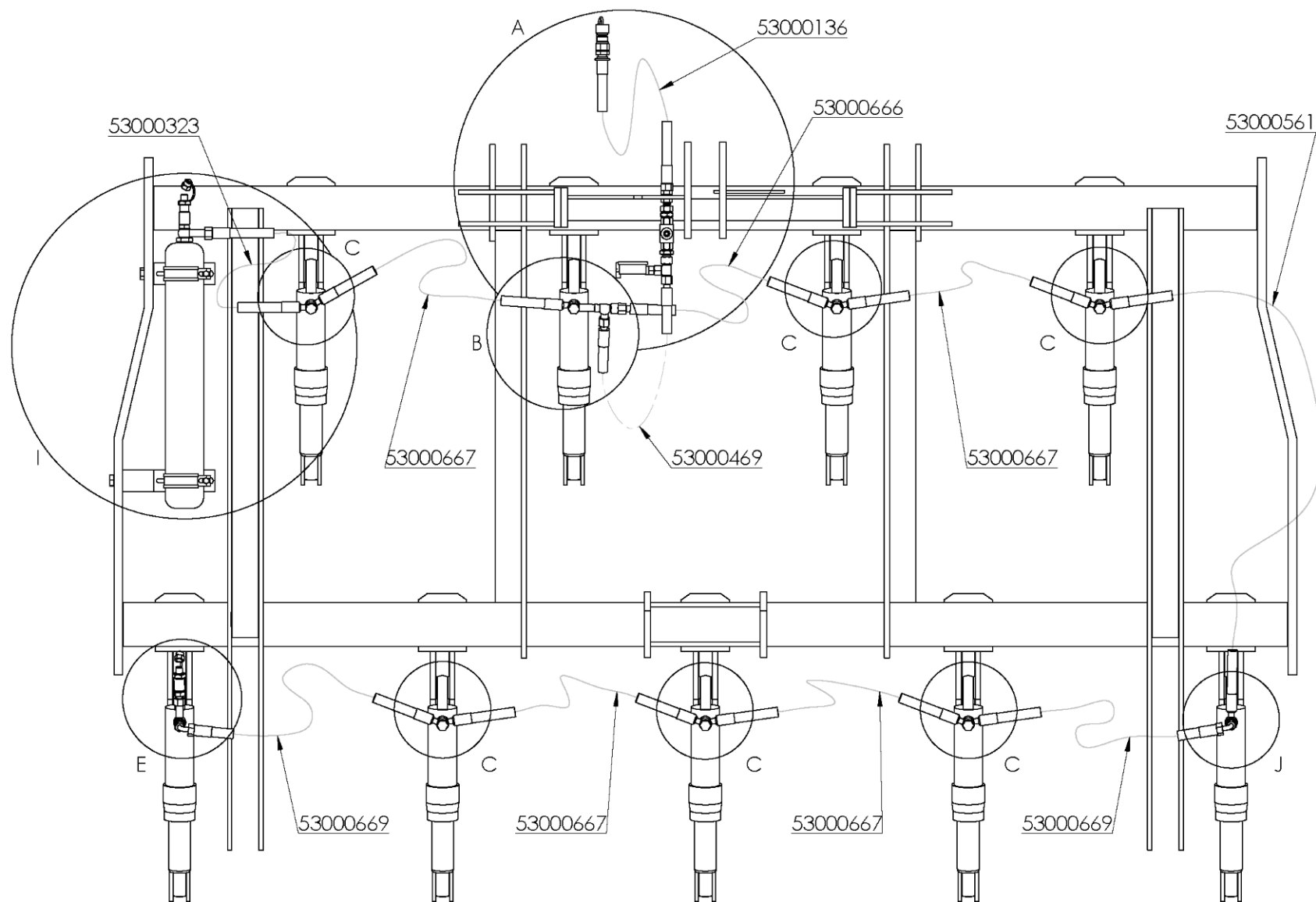


VHC BODY ASSEMBLY

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000277	CILIND.COMPRESION S.E. 50-65-125 ROT./CASQ.	64000324	ALA LATERAL D VERSATILL 34060857N
60000021	TORN.EXAG.C/LAR. 1"* 85 SAE 12.9	64000325	ALA LATERAL I VERSATILL 34060856N
60000101	TORN.EXAG.DIN-931 20* 80 10.9 ZINC.	64000327	DEFLECTOR D VB 34060859N
60000102	TORN.EXAG.DIN-931 20* 80 8.8	64000328	DEFLECTOR I VB 34060858N
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	64000501	ALA DCH.VERSATILL C/TUNGSTENO
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	64000502	ALA IZQD.VERSATILL C/TUNGSTENO
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	64000577	PUNTA VERSATILL 2/A
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	64000581	PUNTA VERSATILL 2/A C/TUNGSTENO Y APORTE
60000209	TORN.EXAG.C/LAR. 16* 70 12.9 GEOMET	64000619	DEFLECTOR D VB 34182600
60000308	TORN.EXAG.C/LAR. 12*70 12.9	64000620	DEFLECTOR I VB 34182700
60000338	TORN.EXAG.DIN-931 12* 65 10.9 ZINC.	64000735	PROTECTOR RECTO BRAZO VERSATILL
60000385	TORN.ARADO DIN-608 12*85 12.9	70007918	CAMBA VHC
60000442	TORN.ARADO DIN-608 12*75 12.9	70047910	SEP.HEXAG.REGULAC.FN/VBC
60000478	TORN.EXAG.C/LAR. 16* 75 10.9 ZINC.	85016930	PORTABALLESTAS VHC
61000010	ARAND.DIN-125 16 ZINC.	85016933	ARANDELA NYLON 50*25*3mm
61000011	ARAND.DIN-125 20 ZINC.	85016935	CASQ.D= 24,9/16,5*31mm.CILINDRO VHC



HYDRAULIC VHC-2-9

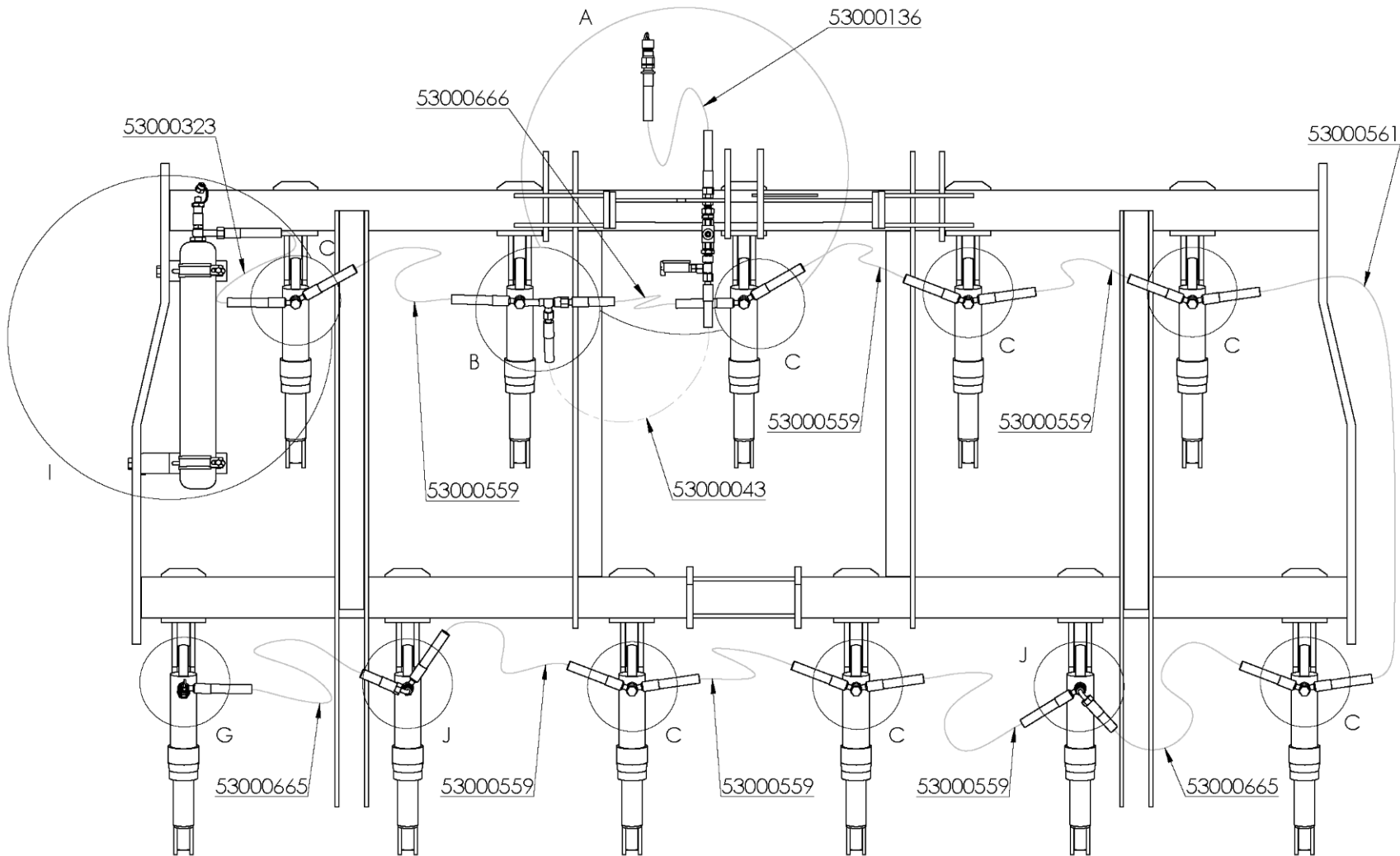


HYDRAULIC VHC-2-9

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000666	LATIG.R2-3/8* 640mm.OR-3/8/TL-18
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18	53000667	LATIG.R2-3/8*700mm.OR/OR-3/8
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18	53000669	LATIG.R2-3/8*700mm.OR/CTL-3/8
53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8		



HYDRAULIC VHC-2-11

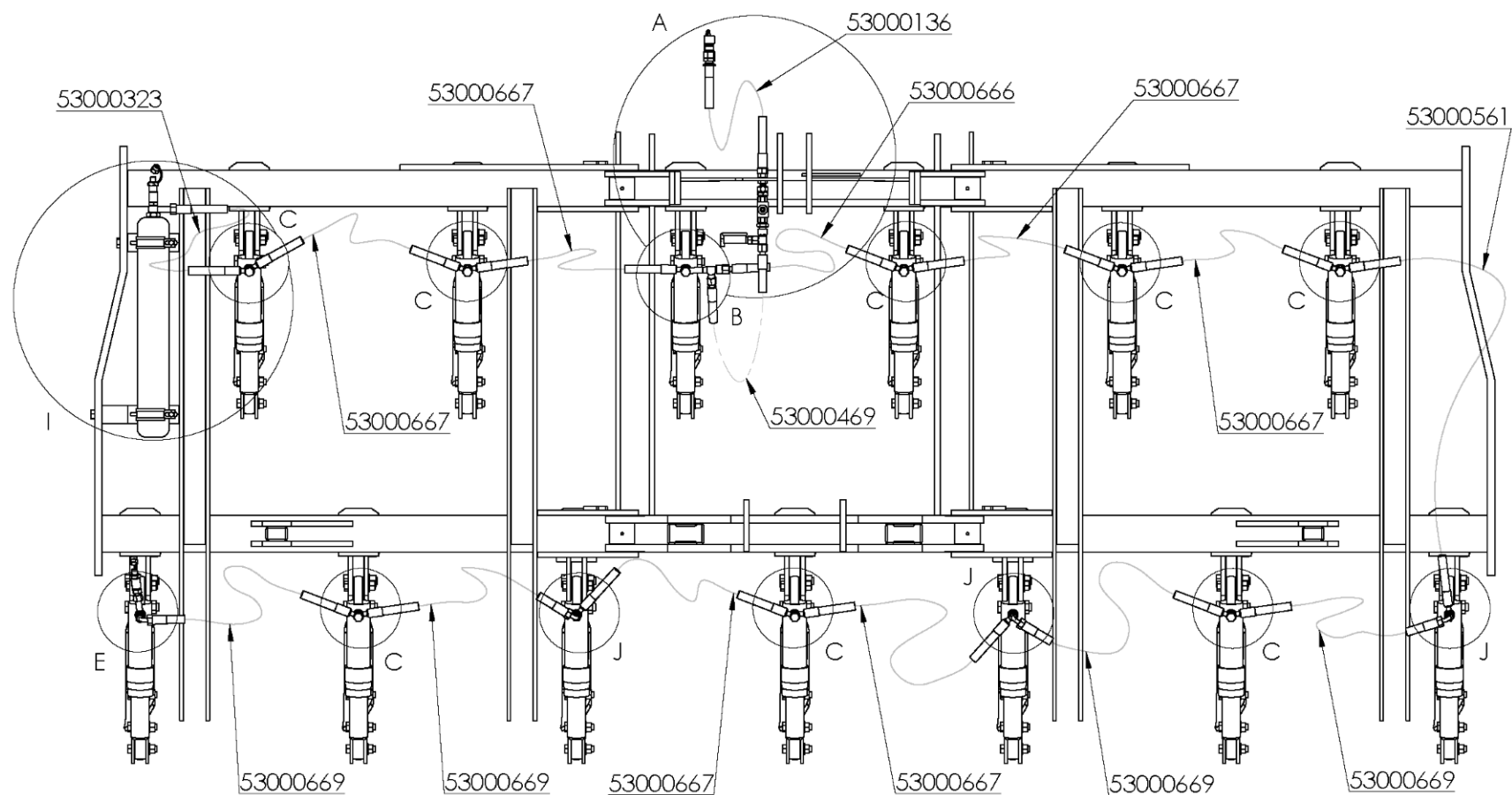


HYDRAULIC VHC-2-11

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000043	LATIG.R2-3/8* 830mm.TL-18/TL-18	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000665	LATIG.R2-3/8*680mm.OR/CTL-3/8
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18	53000666	LATIG.R2-3/8* 640mm.OR-3/8/TL-18
53000559	LATIG.R2-3/8*680mm.OR/OR-3/8		



HIDRAULIC VHC-2-13-P

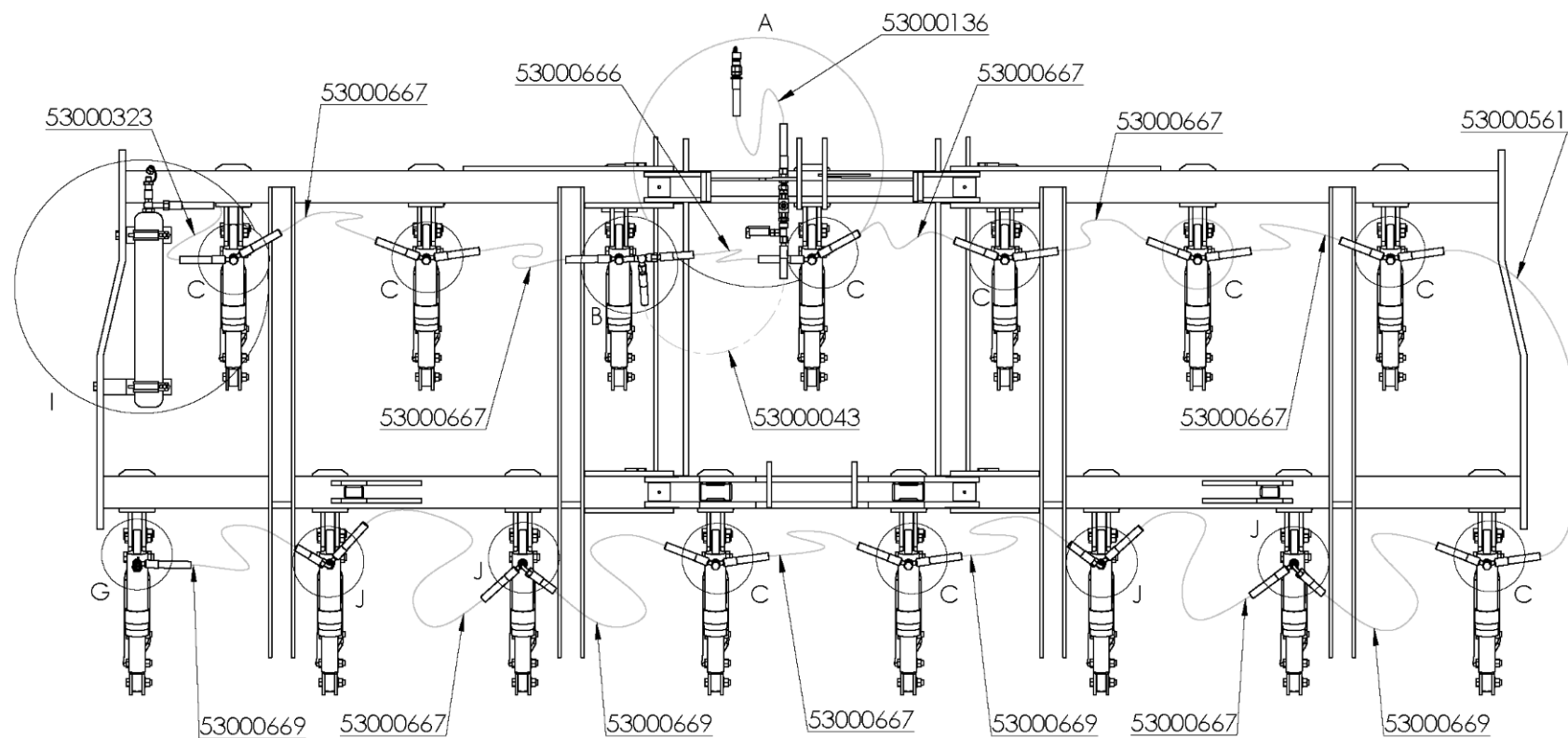


HIDRAULIC VHC-2-13-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000666	LATIG.R2-3/8* 640mm.OR-3/8/TL-18
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18	53000667	LATIG.R2-3/8*700mm.OR/OR-3/8
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18	53000669	LATIG.R2-3/8*700mm.OR/CTL-3/8
53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8		



HIDRAULIC VHC-2-15-P

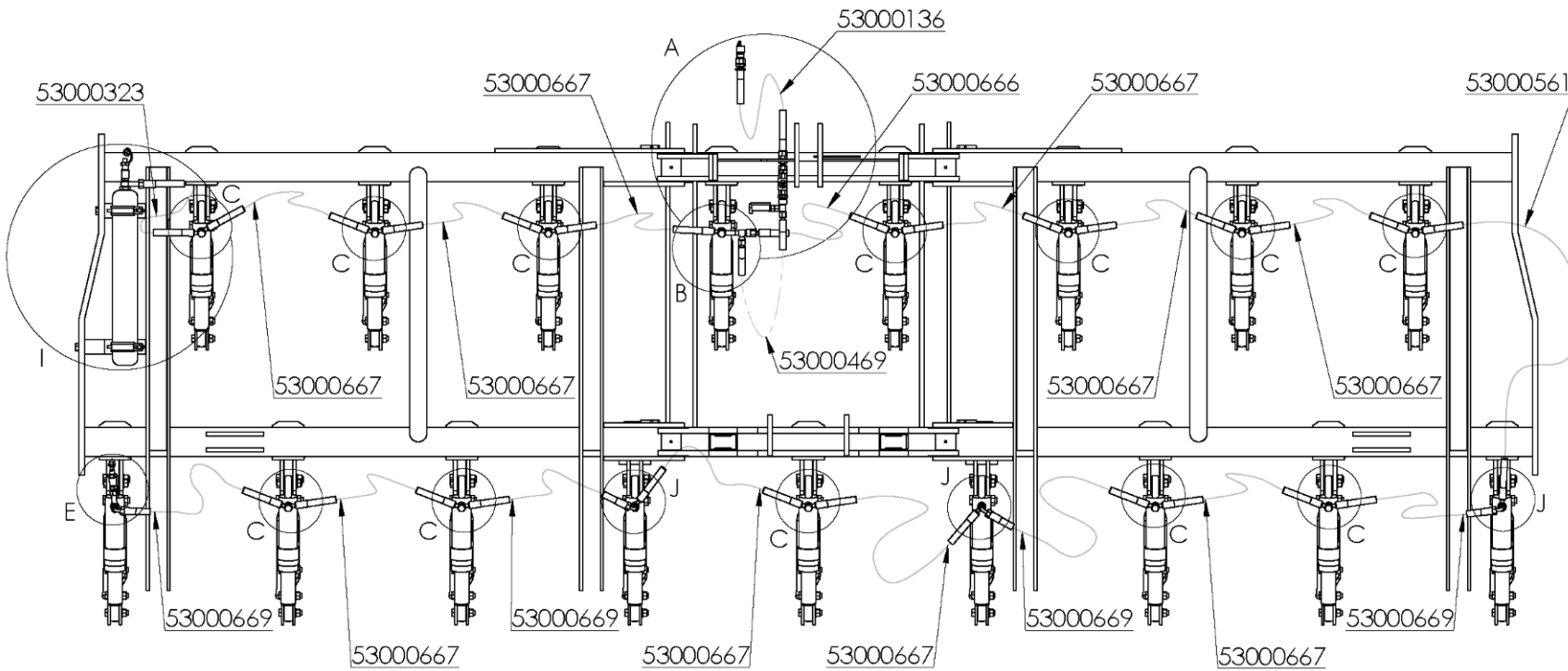


HIDRAULIC VHC-2-15-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000043	LATIG.R2-3/8* 830mm.TL-18/TL-18	53000666	LATIG.R2-3/8* 640mm.OR-3/8/TL-18
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000667	LATIG.R2-3/8*700mm.OR/OR-3/8
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18	53000669	LATIG.R2-3/8*700mm.OR/CTL-3/8
53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8		



HIDRAULIC VHC-2-17-P

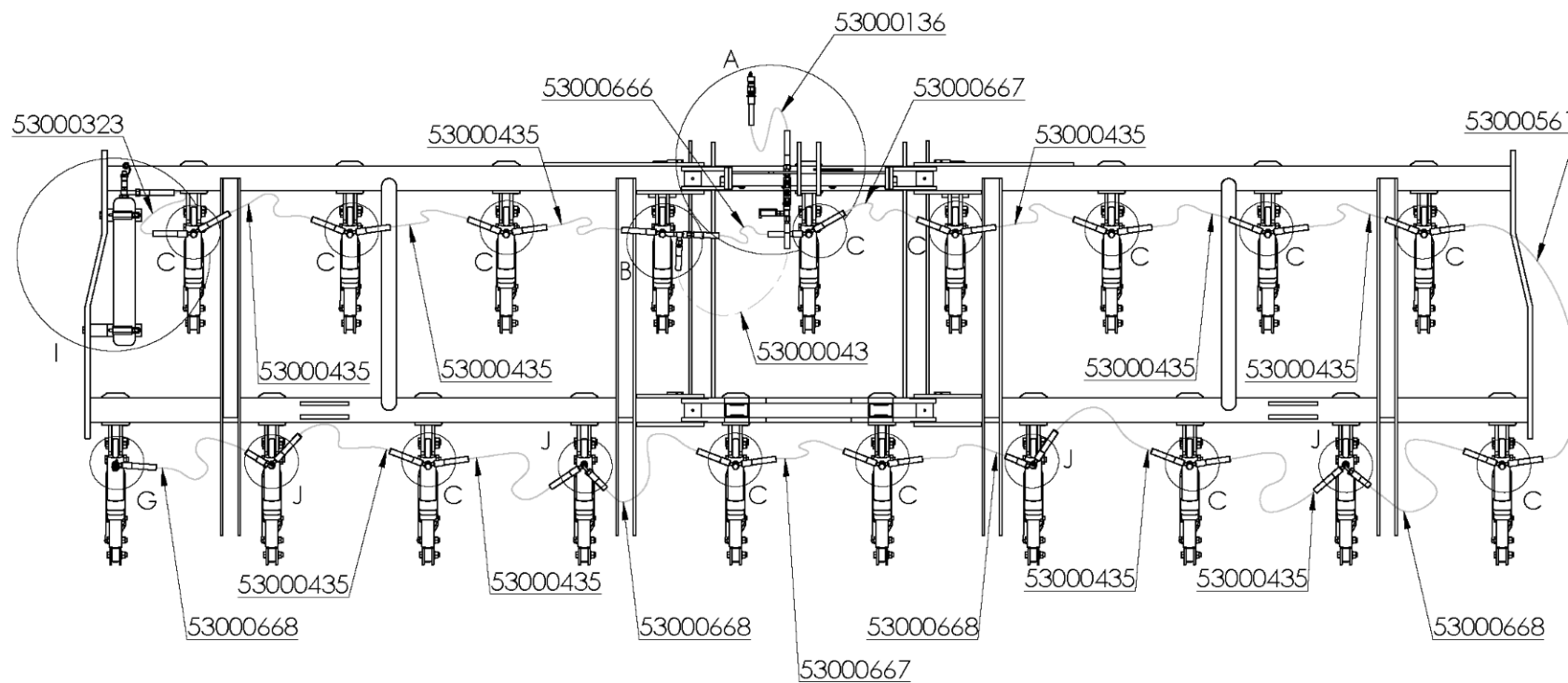


HIDRAULIC VHC-2-17-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000666	LATIG.R2-3/8* 640mm.OR-3/8/TL-18
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18	53000667	LATIG.R2-3/8*700mm.OR/OR-3/8
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18	53000669	LATIG.R2-3/8*700mm.OR/CTL-3/8
53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8		



HIDRAULIC VHC-2-19-P

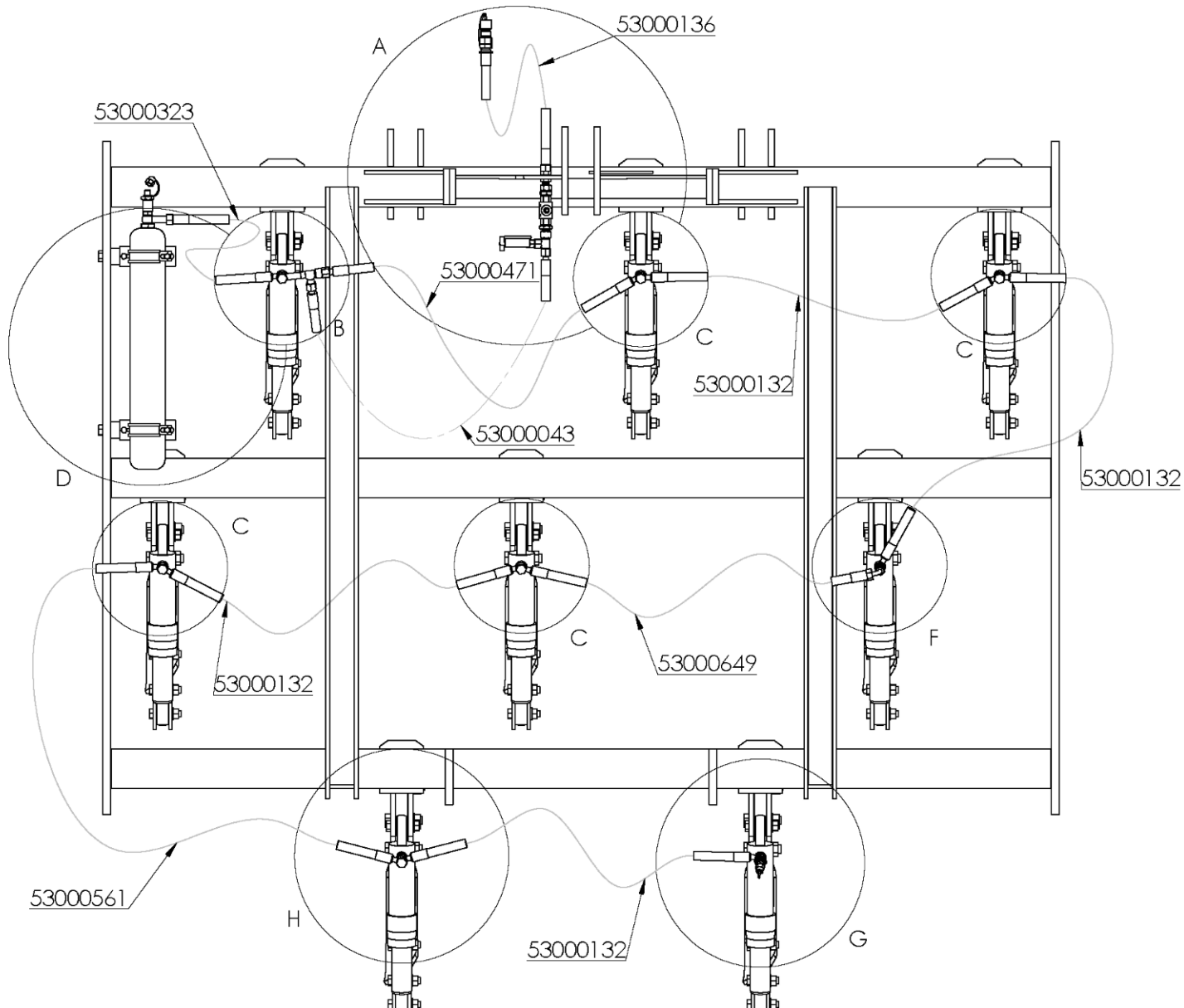


HIDRAULIC VHC-2-19-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000043	LATIG.R2-3/8* 830mm.TL-18/TL-18	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000666	LATIG.R2-3/8* 640mm.OR-3/8/TL-18
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18	53000667	LATIG.R2-3/8* 700mm.OR/OR-3/8
53000435	LATIG.R2-3/8* 750mm.OR/OR-3/8	53000668	LATIG.R2-3/8*730mm.OR/CTL-3/8



HIDRAULIC VHC-3-8

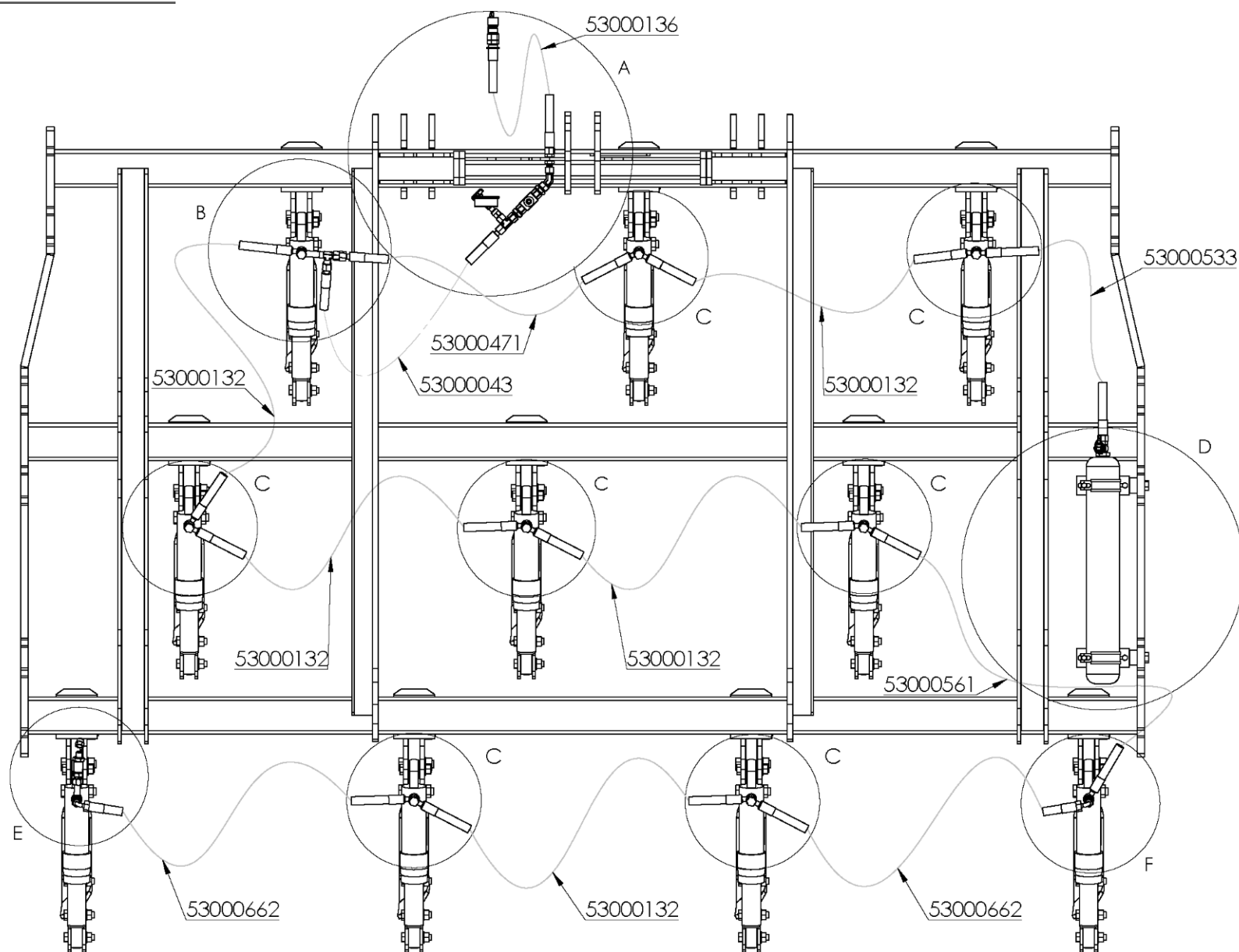


HIDRAULIC VHC-3-8

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000043	LATIG.R2-3/8* 830mm.TL-18/TL-18	53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18
53000132	LATIG.R2-3/8*1000mm.OR/OR-3/8	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000649	LATIG.R2-3/8*1000mm.OR-3/8/CTL-3/8
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18		



HIDRAULIC VHC-3-10

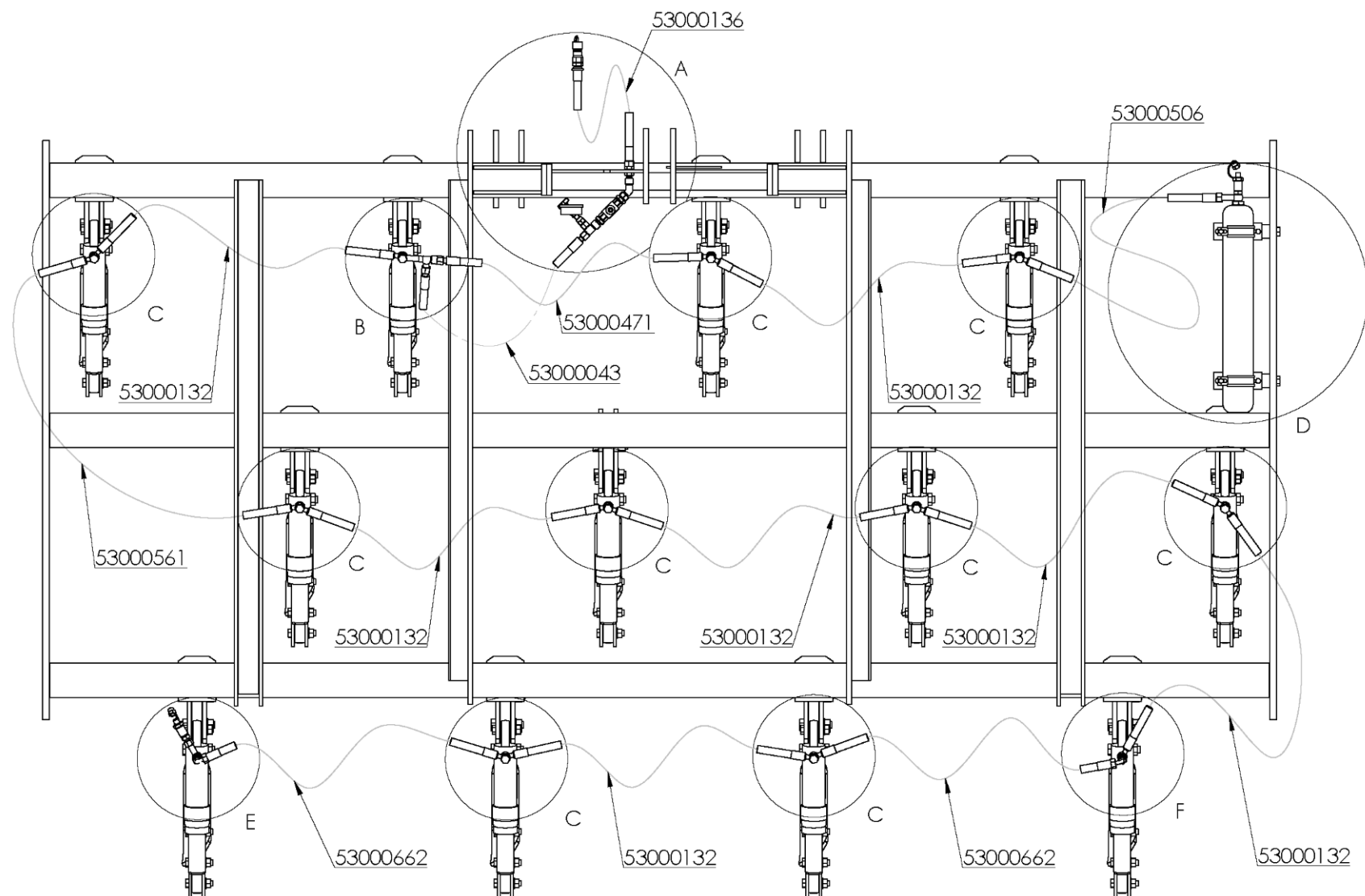


HIDRAULIC VHC-3-10

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000043	LATIG.R2-3/8* 830mm.TL-18/TL-18	53000533	LATIG.R2-3/8* 750mm.OR-3/8/TL-3/8
53000132	LATIG.R2-3/8*1000mm.OR/OR-3/8	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000662	LATIG.R2-3/8*1060mm.OR-3/8/CTL-3/8
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18		



HIDRAULIC VHC-3-12

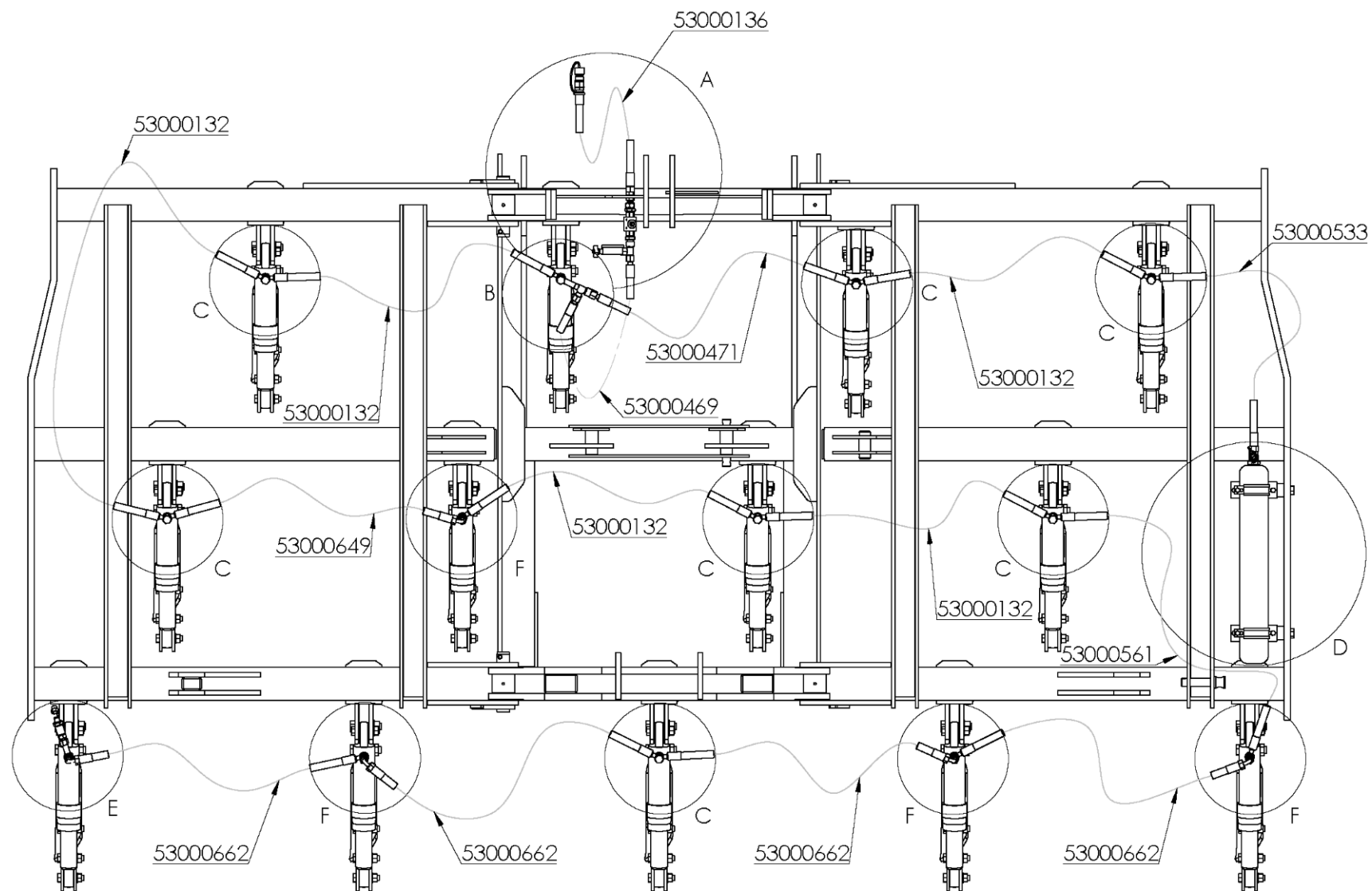


HIDRAULIC VHC-3-12

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000043	LATIG.R2-3/8* 830mm.TL-18/TL-18	53000506	LATIG.R2-3/8* 800mm.OR-3/8/TL-18
53000132	LATIG.R2-3/8*1000mm.OR/OR-3/8	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000662	LATIG.R2-3/8*1060mm.OR-3/8/CTL-3/8
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18		



HIDRAULIC VHC-3-13-P

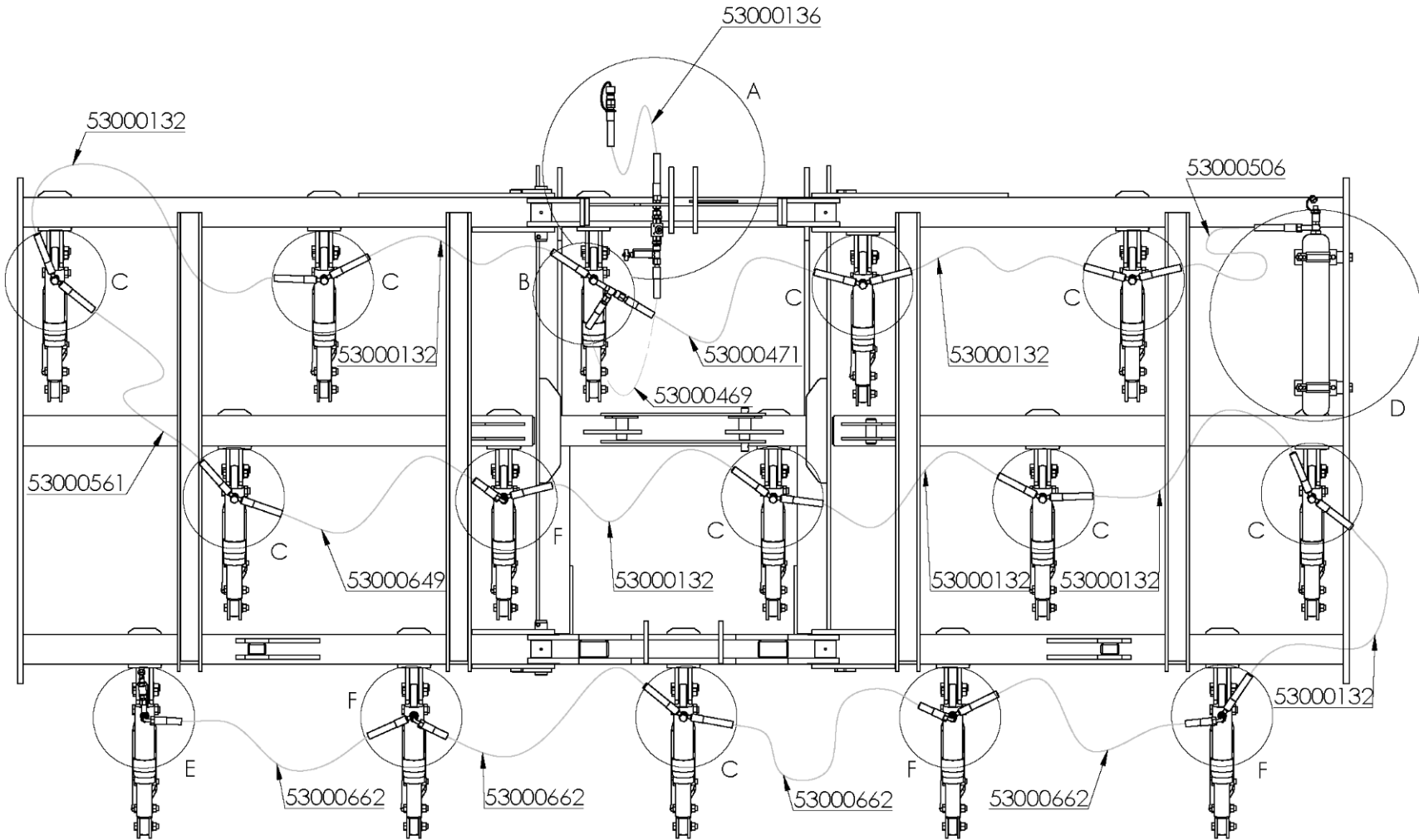


HIDRAULIC VHC-3-13-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000132	LATIG.R2-3/8*1000mm.OR/OR-3/8	53000533	LATIG.R2-3/8* 750mm.OR-3/8/TL-3/8
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18	53000649	LATIG.R2-3/8*1000mm.OR-3/8/CTL-3/8
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18	53000662	LATIG.R2-3/8*1060mm.OR-3/8/CTL-3/8



HIDRAULIC VHC-3-15-P

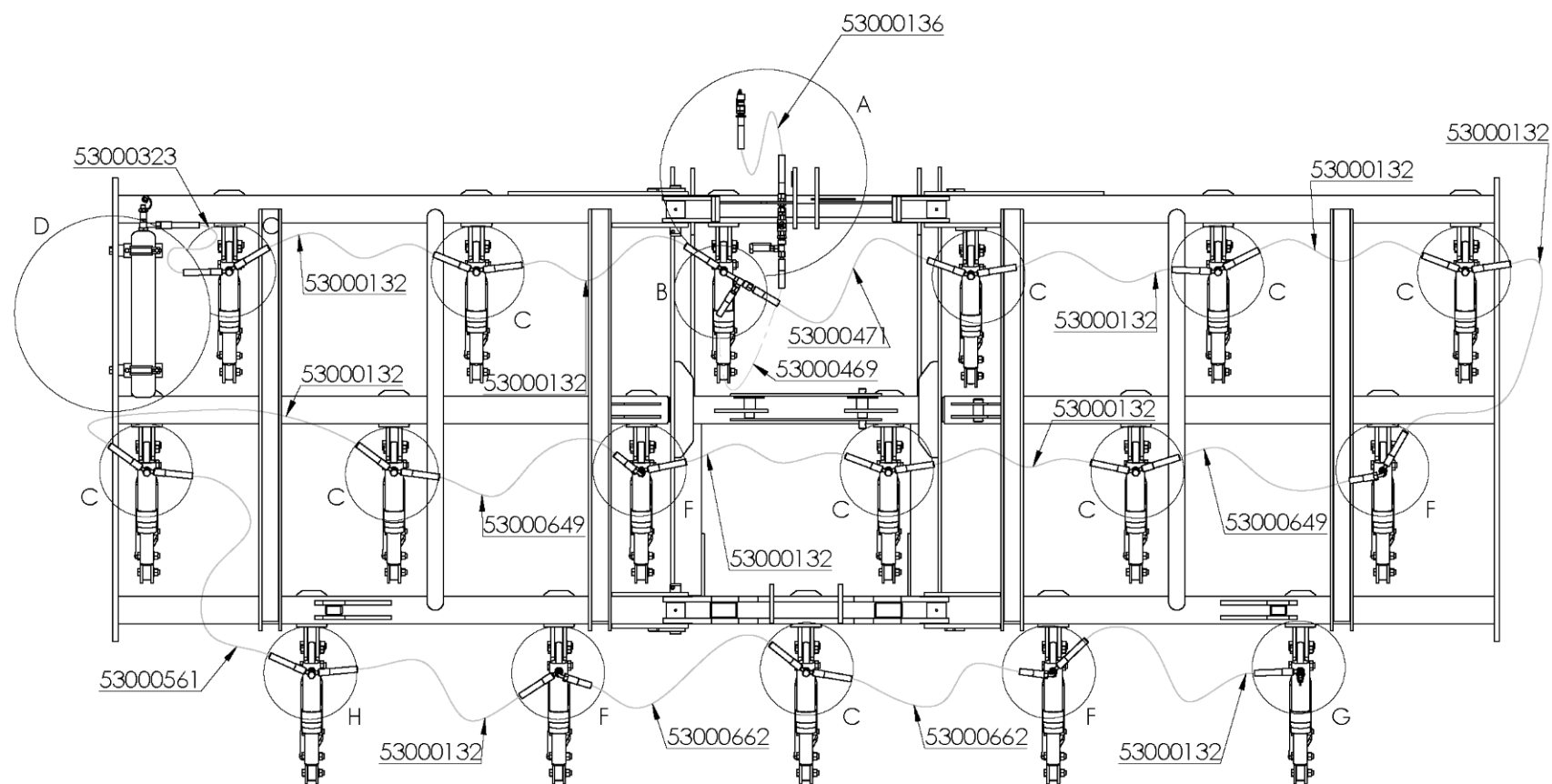


HIDRAULIC VHC-3-15-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000132	LATIG.R2-3/8*1000mm.OR/OR-3/8	53000506	LATIG.R2-3/8* 800mm.OR-3/8/TL-18
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18	53000649	LATIG.R2-3/8*1000mm.OR-3/8/CTL-3/8
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18	53000662	LATIG.R2-3/8*1060mm.OR-3/8/CTL-3/8



HIDRAULIC VHC-3-17-P

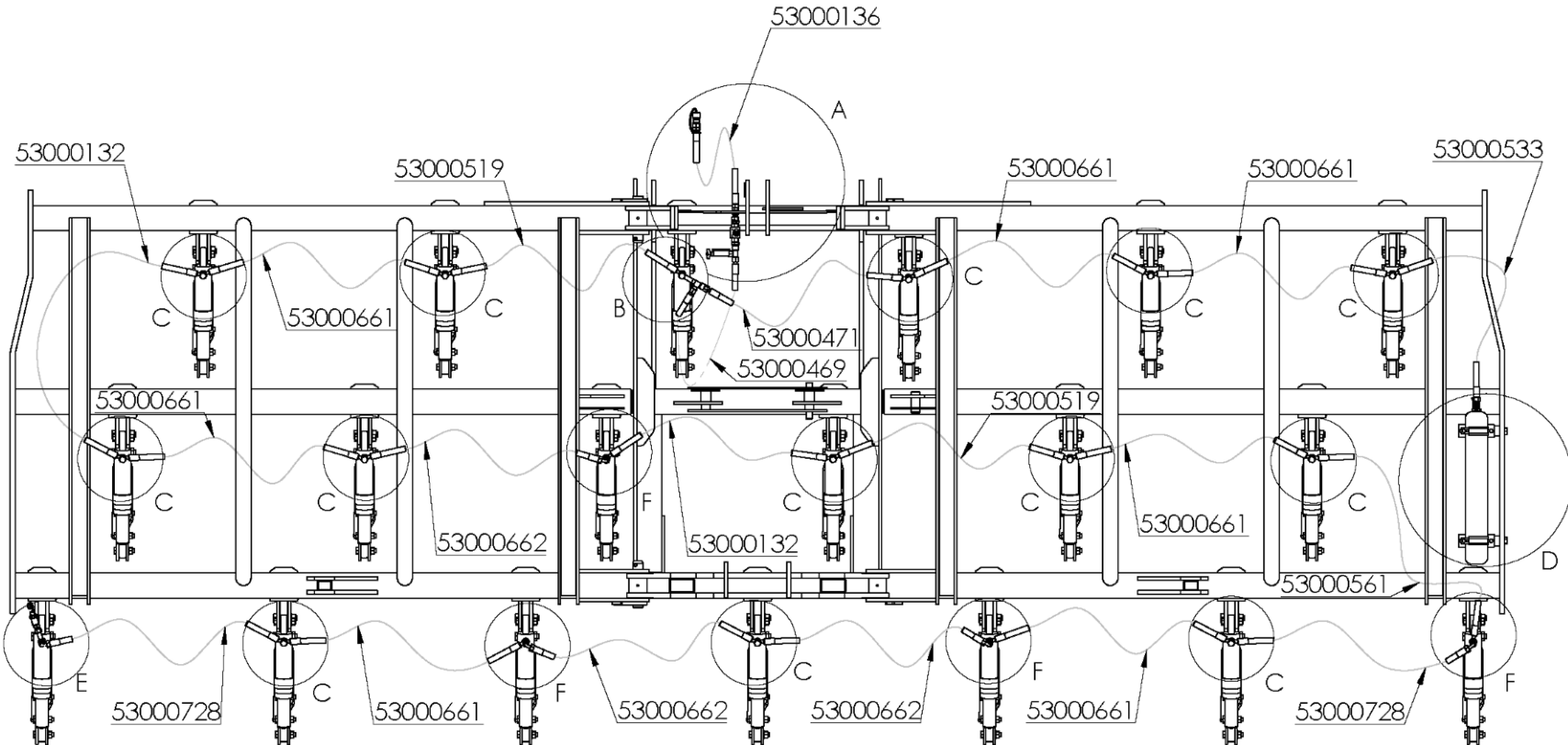


HIDRAULIC VHC-3-17-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000132	LATIG.R2-3/8*1000mm.OR/OR-3/8	53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000323	LATIG.R2-3/8* 500mm.OR-3/8/TL-18	53000649	LATIG.R2-3/8*1000mm.OR-3/8/CTL-3/8
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18	53000662	LATIG.R2-3/8*1060mm.OR-3/8/CTL-3/8



HIDRAULIC VHC-3-19-P



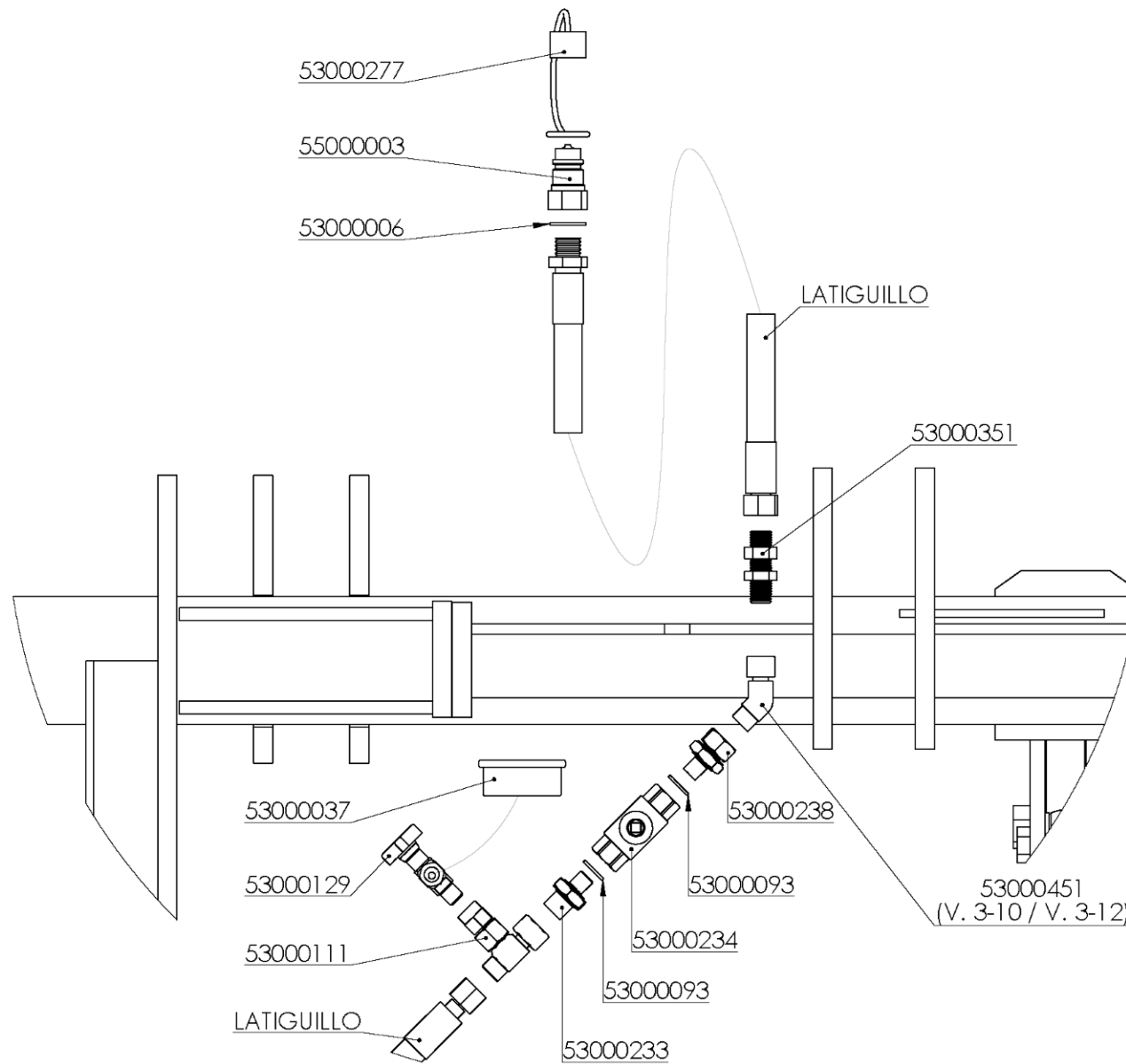
HIDRAULIC VHC-3-19-P

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000132	LATIG.R2-3/8*1000mm.OR/OR-3/8	53000533	LATIG.R2-3/8* 750mm.OR-3/8/TL-3/8
53000136	LATIG.R2-3/8*1400mm.MF-1/2/TL-3/8	53000561	LATIG.R2-3/8*1200mm.OR/OR-3/8
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18	53000661	LATIG.R2-3/8*1060mm.OR/OR-3/8
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18	53000662	LATIG.R2-3/8*1060mm.OR-3/8/CTL-3/8
53000519	LATIG.R2-3/8*1040mm.OR/OR-3/8	53000728	LATIG.R2-3/8*1120mm.OR-3/8/CTL-3/8



DETAIL-A

DETALLE A
ESCALA 1 : 4



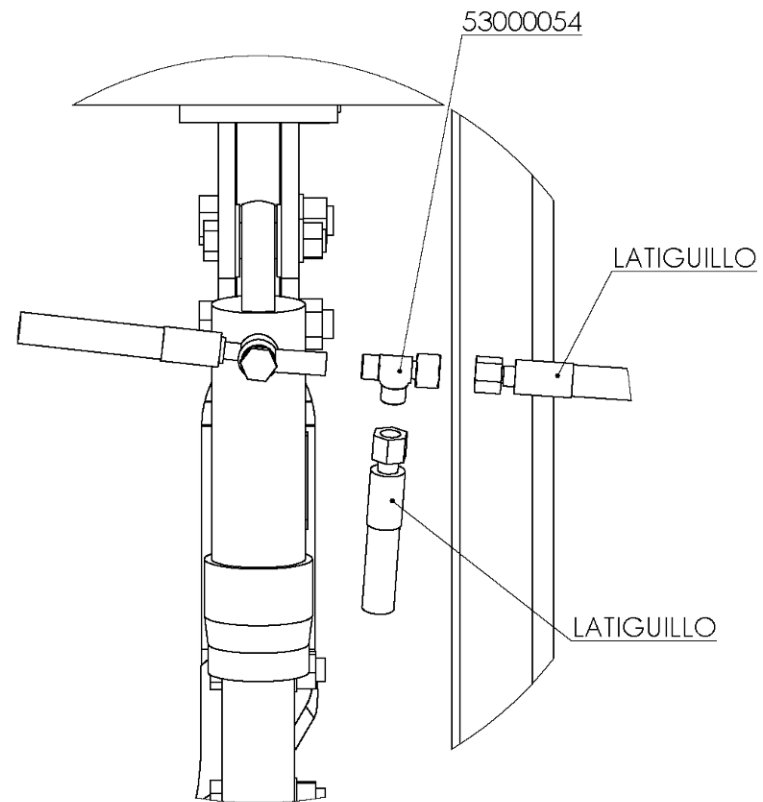
DETAIL-A

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000006	JUNTA METAL/GOMA 1/2" 11603	53000234	VALV.ESFERA 2/2 1/4 GE2 DN6
53000037	MANOM.GLIC.63 0-315 (MOD.OVLAC) 263R0-315	53000238	REDUCCION MACHO-TUERCA LOCA 1/4-3/8 4322
53000093	JUNTA METAL GOMA 1/4" 11601	53000277	PROTECTOR E.R.MACHO 1/2" AZUL 5029-4PB
53000111	UNION HEMBRA MANOMETRO MAVE12-L	53000351	PASATABIQUES 3/8 C/TUERCA
53000129	PROTECTOR MANOMETRO CODO 1/4 FT-291	53000451	CODO 45° C/TCA.LOCA 3/8 S952-17
53000233	UNION MACHO BSP 12-1/4 GE12-L1/4	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108



DETAIL-B

DETALLE B
ESCALA 1 : 4



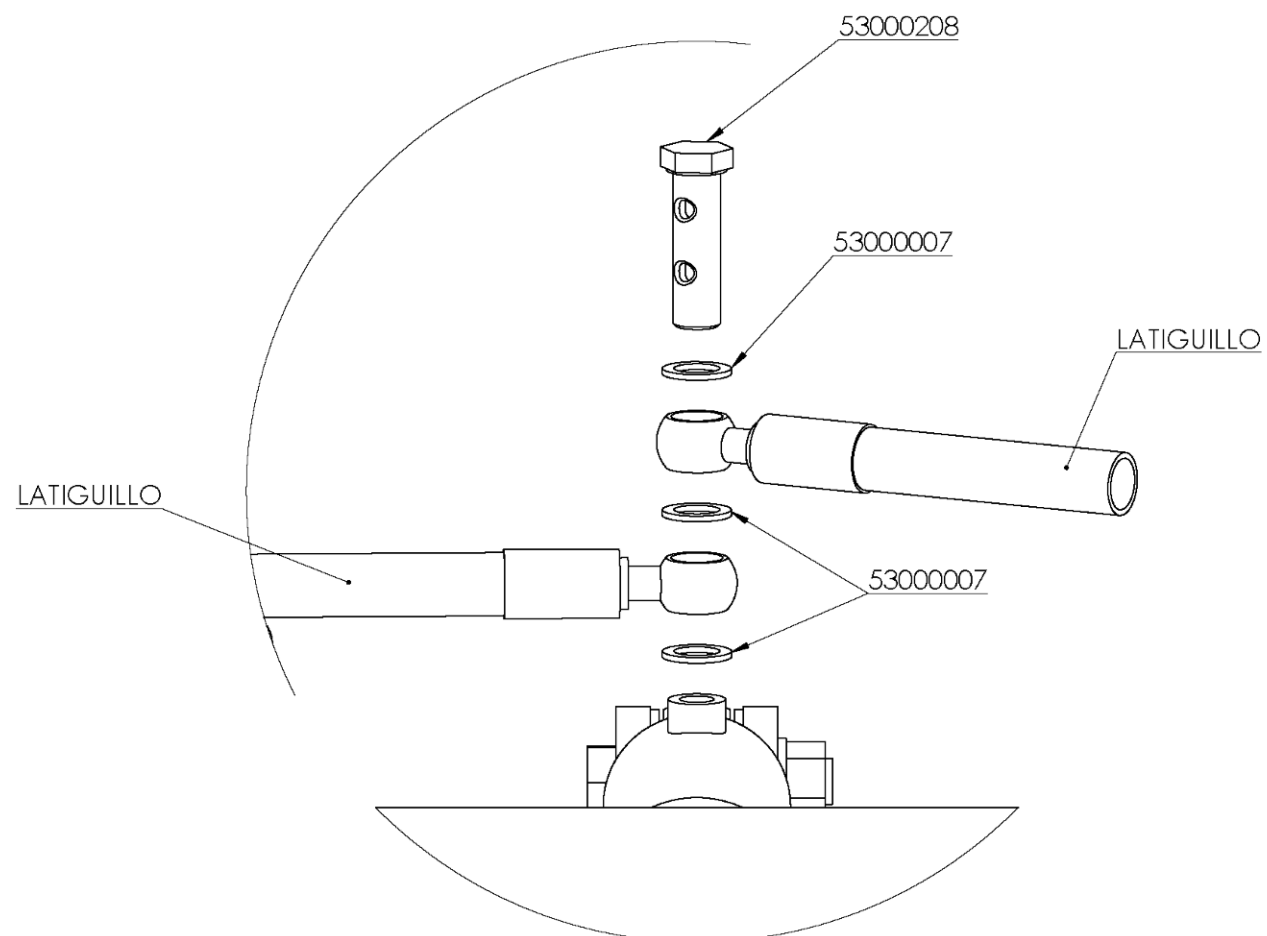
DETAIL-B

REFERENCIA	DESCRIPCIÓN		REFERENCIA	DESCRIPCIÓN
53000054	TE C/TCA.LOCA LATERAL 12	EVL12-PL		



DETAIL-C

DETALLE C
ESCALA 1:2

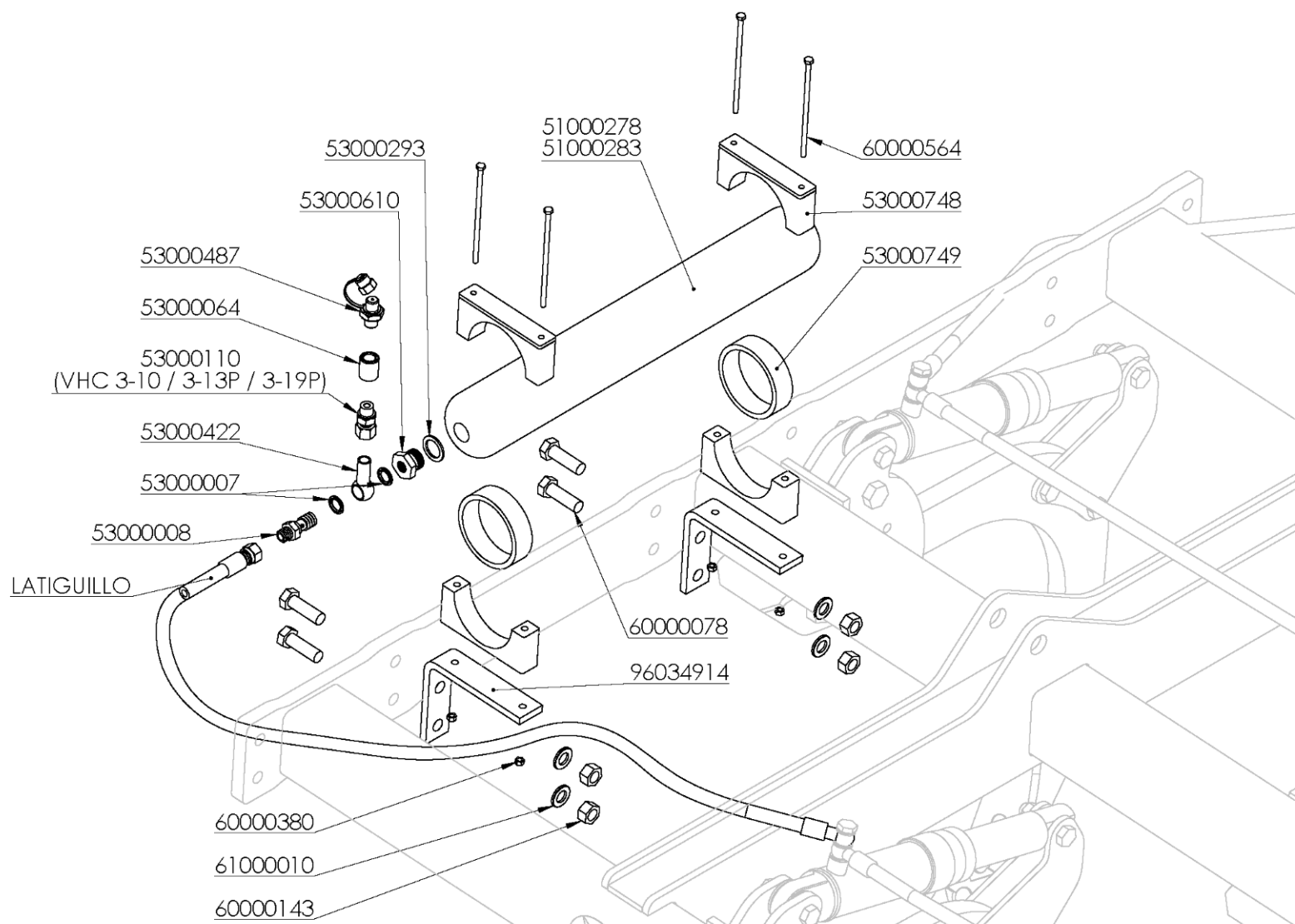


DETAIL-C

REFERENCIA	DESCRIPCIÓN		REFERENCIA	DESCRIPCIÓN	
53000007	JUNTA METAL/GOMA 3/8"	11602	53000208	TORNILLO DOBLE 3/8"	4032



DETAIL-D



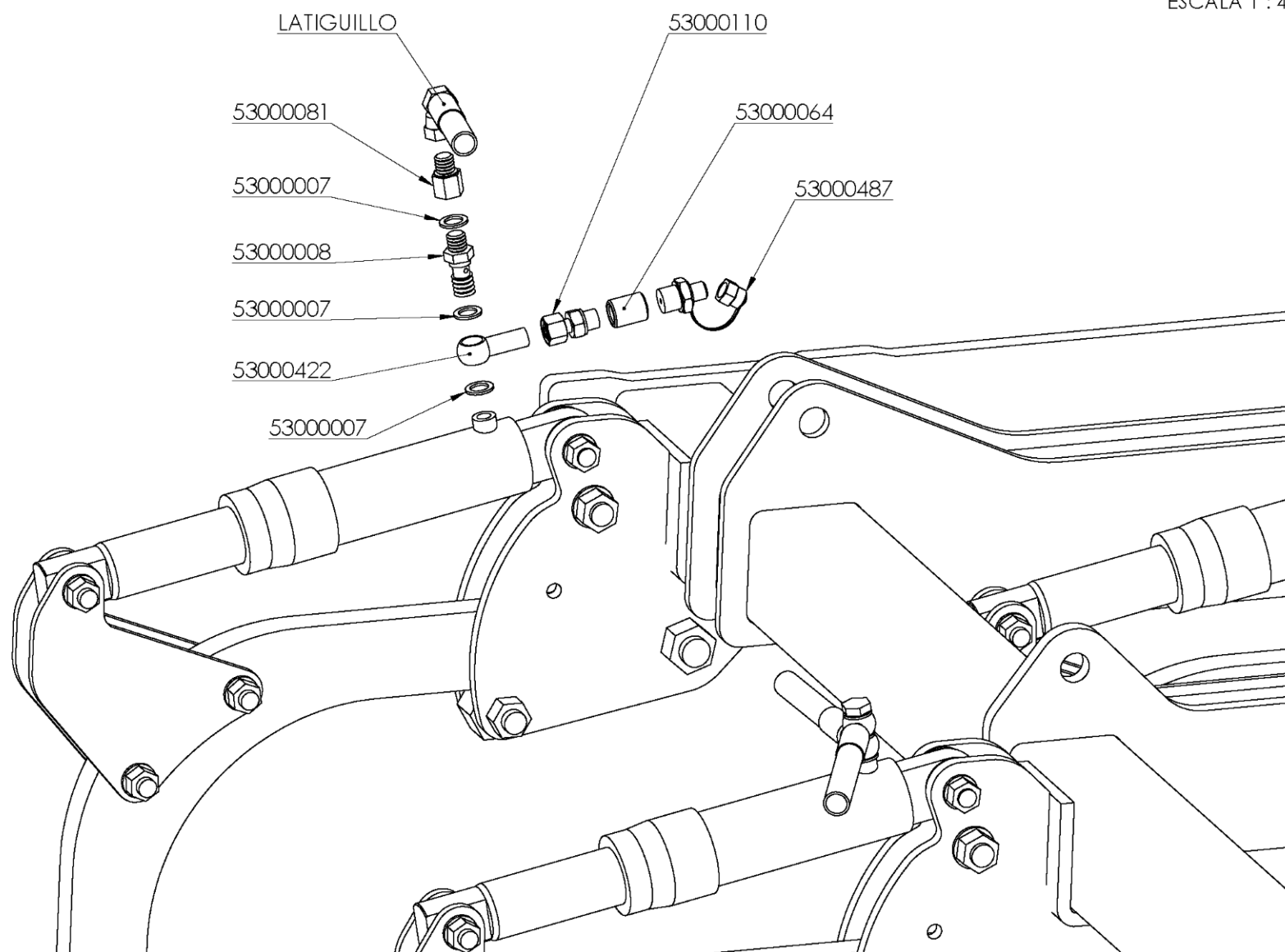
DETAIL-D

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000278	ACUMULADOR 2 L. SK280-2/3218U-280AAE-VB-08-120 RAL	53000610	REDUCCION MACHO-HEMBRA 3/4"-3/8" ROSCA BSP 416
51000283	ACUMULADOR 3 L. SK280-3/3218U-280AAE-VB-08-120 RAL	53000748	ABRAZ.2 TORN.D.102 (4") SIN PLACA P/SOLDAR NI TORN
53000007	JUNTA METAL/GOMA 3/8" 11602	53000749	PLANCHA GOMA NR-SBR 3x30x310mm.
53000008	TORNILLO PROLONGACION 3/8 4182	60000078	TORN.EXAG.DIN-933 16* 50 8.8 ZINC.
53000064	MANGUITO UNION 3/8 4132	60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
53000110	MACHO BSP 3/8 TUERCA LOCA 12 EVGE12-L	60000380	TUER.AUTO.DIN-985 6 8.8 ZINC.
53000293	JUNTA METAL/GOMA 3/4" 11604	60000564	TORN.EXAG.DIN-931 6*150 8.8 ZINC.
53000422	ESFERICO 3/8" + UNION TUBO/TUBO 12 4002E+12L	61000010	ARAND.DIN-125 16 ZINC.
53000487	ADAPTADOR M.TOMA PRESION 3/8-16x200 MH191606	96034914	SOP.ACUMULADOR VHC (D/23)



DETAIL-E

DETALLE E
ESCALA 1 : 4



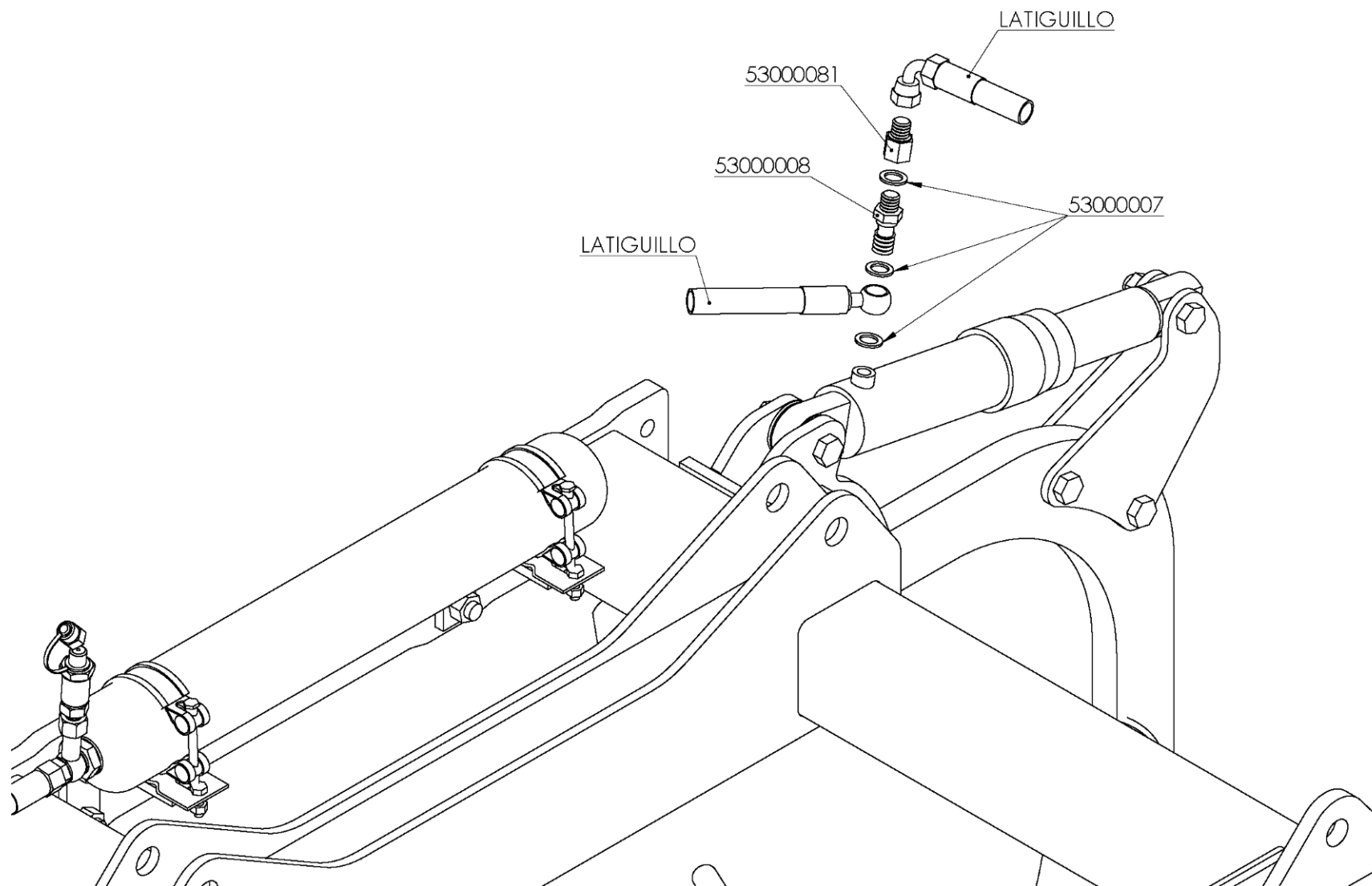
DETAIL-E

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000007	JUNTA METAL/GOMA 3/8" 11602	53000110	MACHO BSP 3/8 TUERCA LOCA 12 EVGE12-L
53000008	TORNILLO PROLONGACION 3/8 4182	53000422	ESFERICO 3/8" + UNION TUBO/TUBO 12 4002E+12L
53000064	MANGUITO UNION 3/8 4132	53000487	ADAPTADOR M.TOMA PRESION 3/8-16x200 MH191606
53000081	SUPLEMENTO 3/8" 4092		



DETAIL-F

DETALLE F
ESCALA 1 : 4



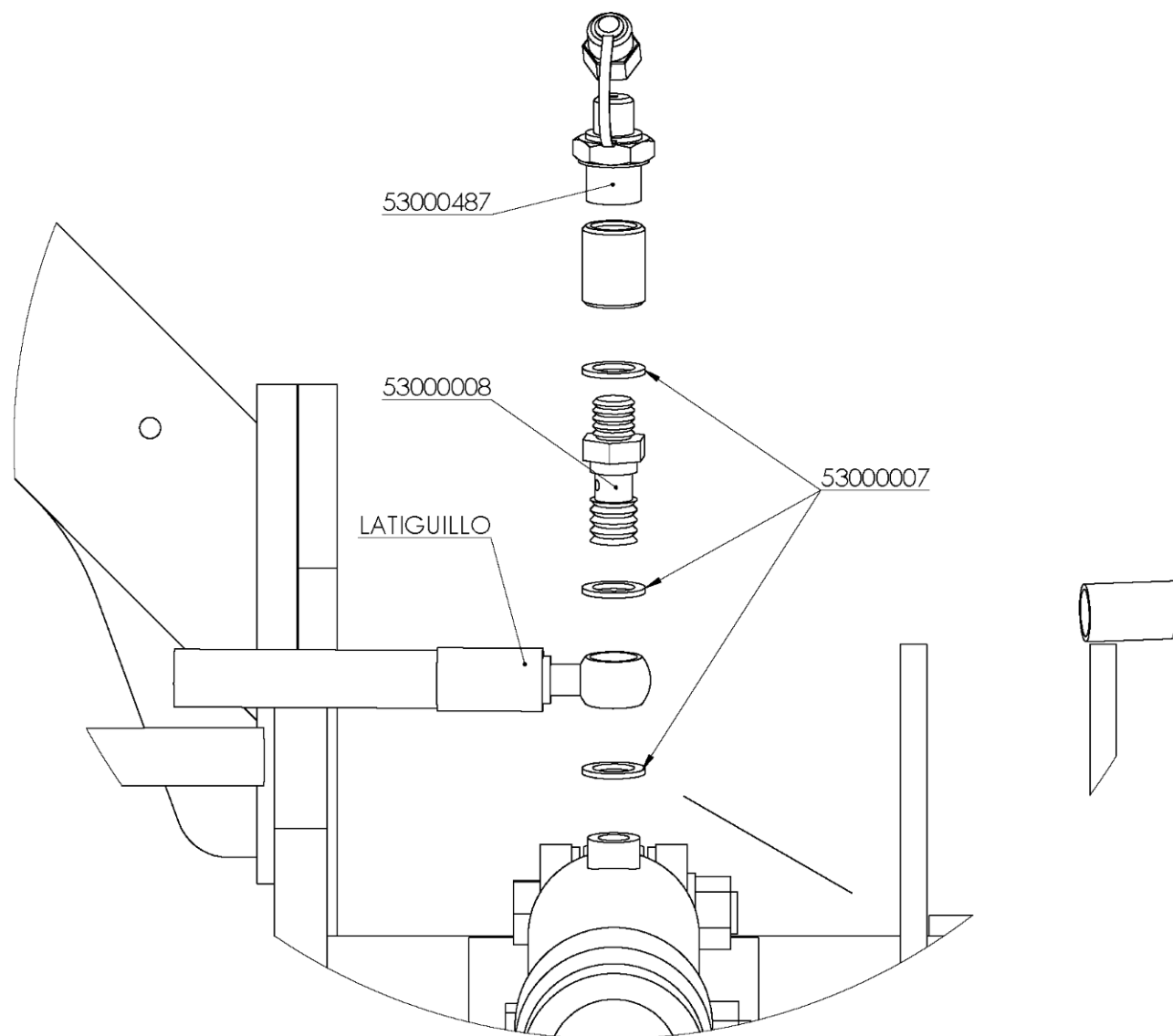
DETAIL-F

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000007	JUNTA METAL/GOMA 3/8" 11602	53000081	SUPLEMENTO 3/8" 4092
53000008	TORNILLO PROLONGACION 3/8 4182		



DETAIL-G

DETALLE G
ESCALA 1 : 2



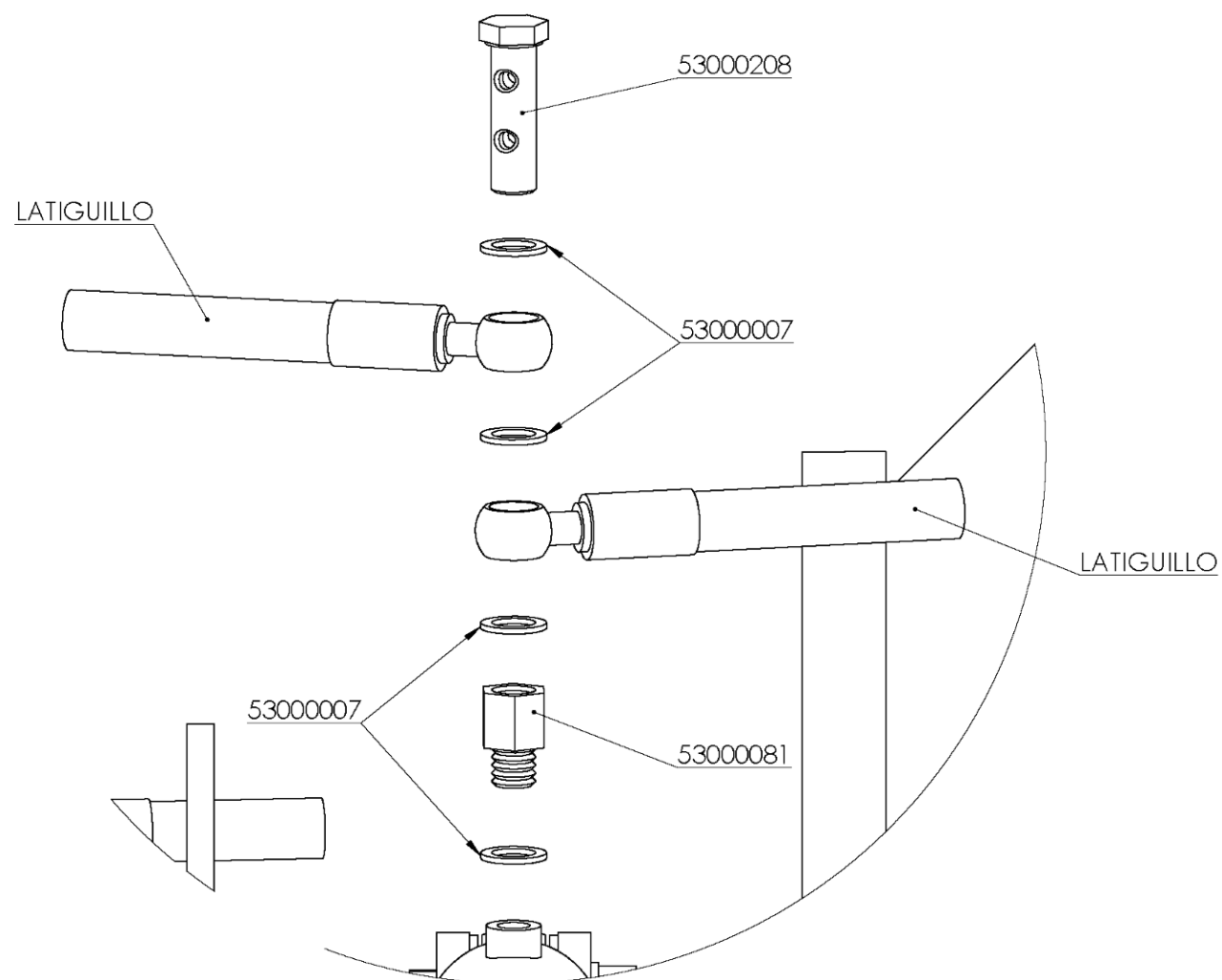
DETAIL-G

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000007	JUNTA METAL/GOMA 3/8" 11602	53000487	ADAPTADOR M.TOMA PRESION 3/8-16x200 MH191606
53000008	TORNILLO PROLONGACION 3/8 4182		



DETAIL-H

DETALLE H
ESCALA 1:2

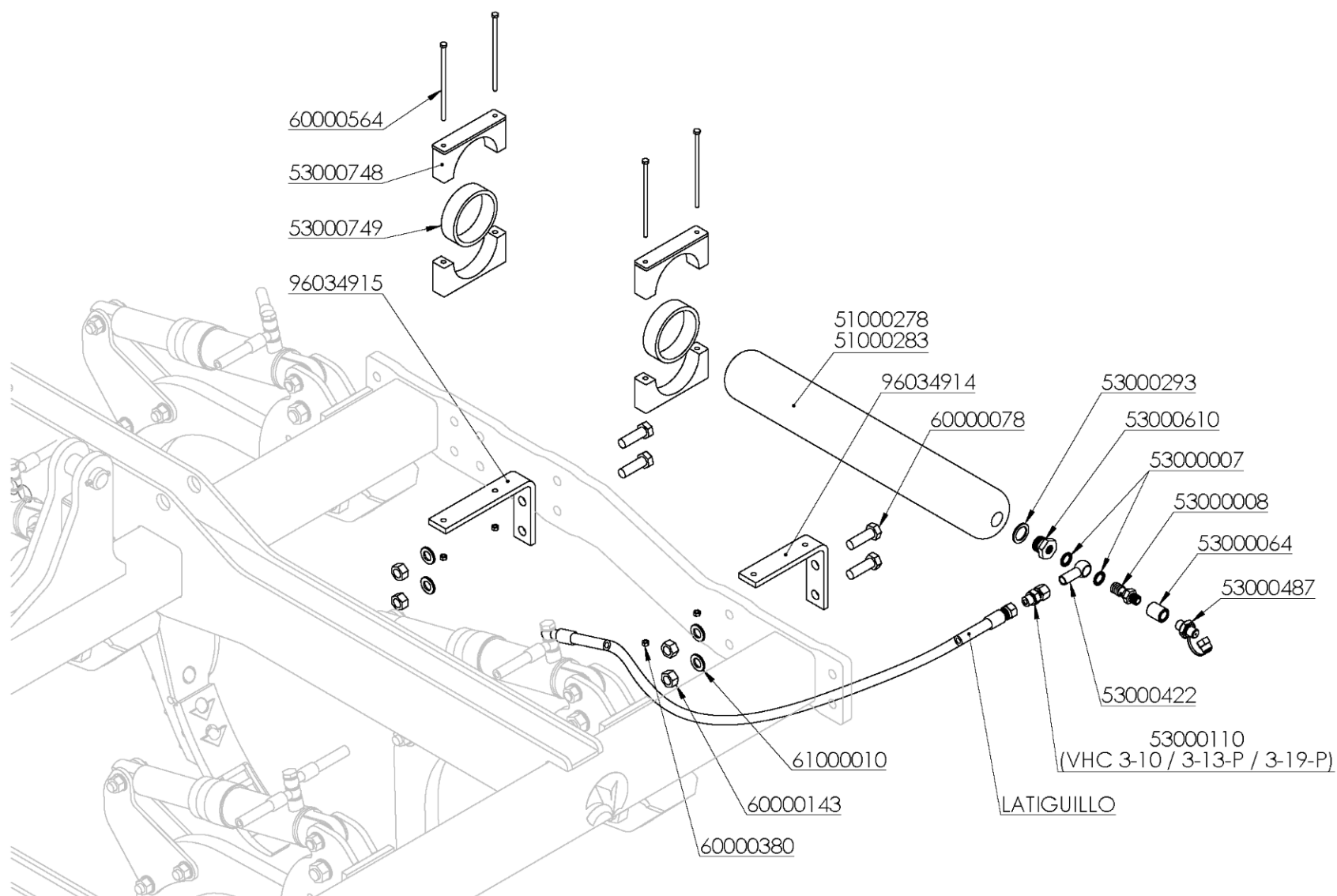


DETAIL-H

REFERENCIA	DESCRIPCIÓN		REFERENCIA	DESCRIPCIÓN	
53000007	JUNTA METAL/GOMA 3/8"	11602	53000208	TORNILLO DOBLE 3/8"	4032
53000081	SUPLEMENTO 3/8"	4092			



DETAIL-I



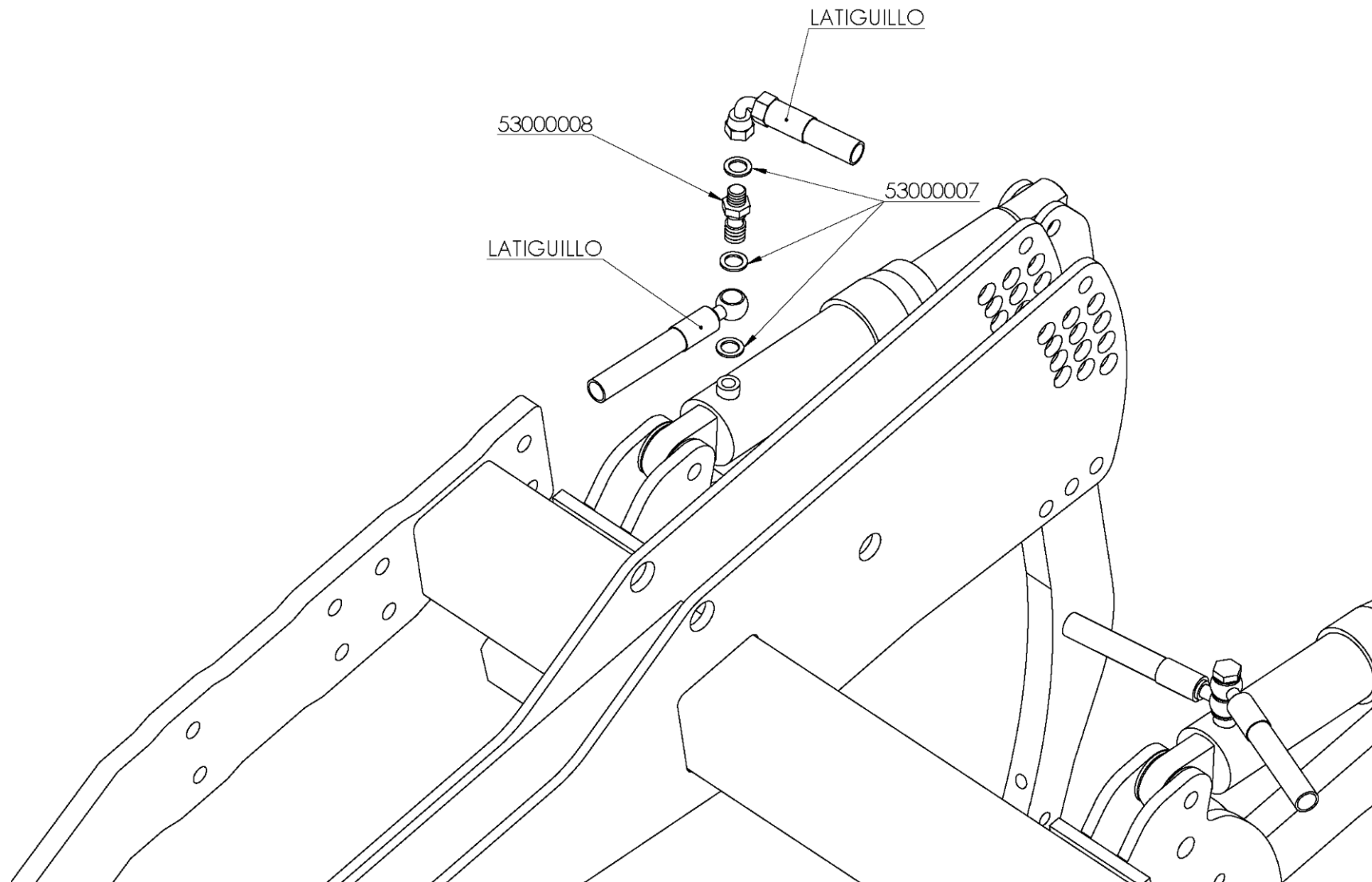
DETAIL-I

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000278	ACUMULADOR 2 L. SK280-2/3218U-280AAE-VB-08-120 RAL	53000748	ABRAZ.2 TORN.D.102 (4") SIN PLACA P/SOLDAR NI TORN
51000283	ACUMULADOR 3 L. SK280-3/3218U-280AAE-VB-08-120 RAL	53000749	PLANCHA GOMA NR-SBR 3x30x310mm.
53000007	JUNTA METAL/GOMA 3/8" 11602	60000078	TORN.EXAG.DIN-933 16* 50 8.8 ZINC.
53000008	TORNILLO PROLONGACION 3/8 4182	60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
53000064	MANGUITO UNION 3/8 4132	60000380	TUER.AUTO.DIN-985 6 8.8 ZINC.
53000110	MACHO BSP 3/8 TUERCA LOCA 12 EVGE12-L	60000564	TORN.EXAG.DIN-931 6*150 8.8 ZINC.
53000293	JUNTA METAL/GOMA 3/4" 11604	61000010	ARAND.DIN-125 16 ZINC.
53000422	ESFERICO 3/8" + UNION TUBO/TUBO 12 4002E+12L	96034914	SOP.ACUMULADOR VHC (D/23)
53000487	ADAPTADOR M.TOMA PRESION 3/8-16x200 MH191606	96034915	SOP.ACUMULADOR VHC-2 (D/23)
53000610	REDUCCION MACHO-HEMBRA 3/4"-3/8" ROSCA BSP 416		



DETAIL-J

DETALLE J
ESCALA 1 : 4

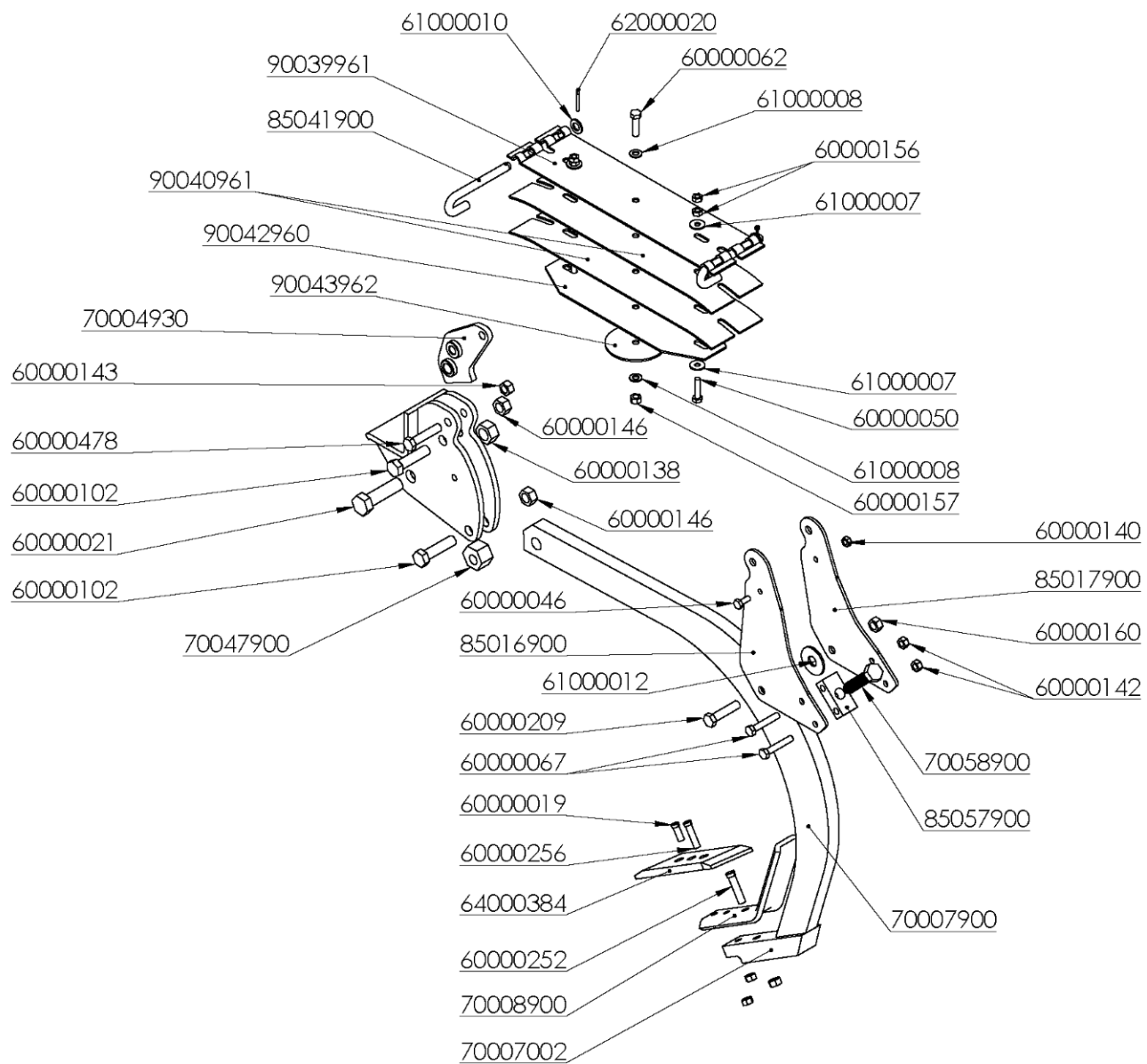


DETAIL-J

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000007	JUNTA METAL/GOMA 3/8" 11602	53000008	TORNILLO PROLONGACION 3/8 4182



BODY VHB

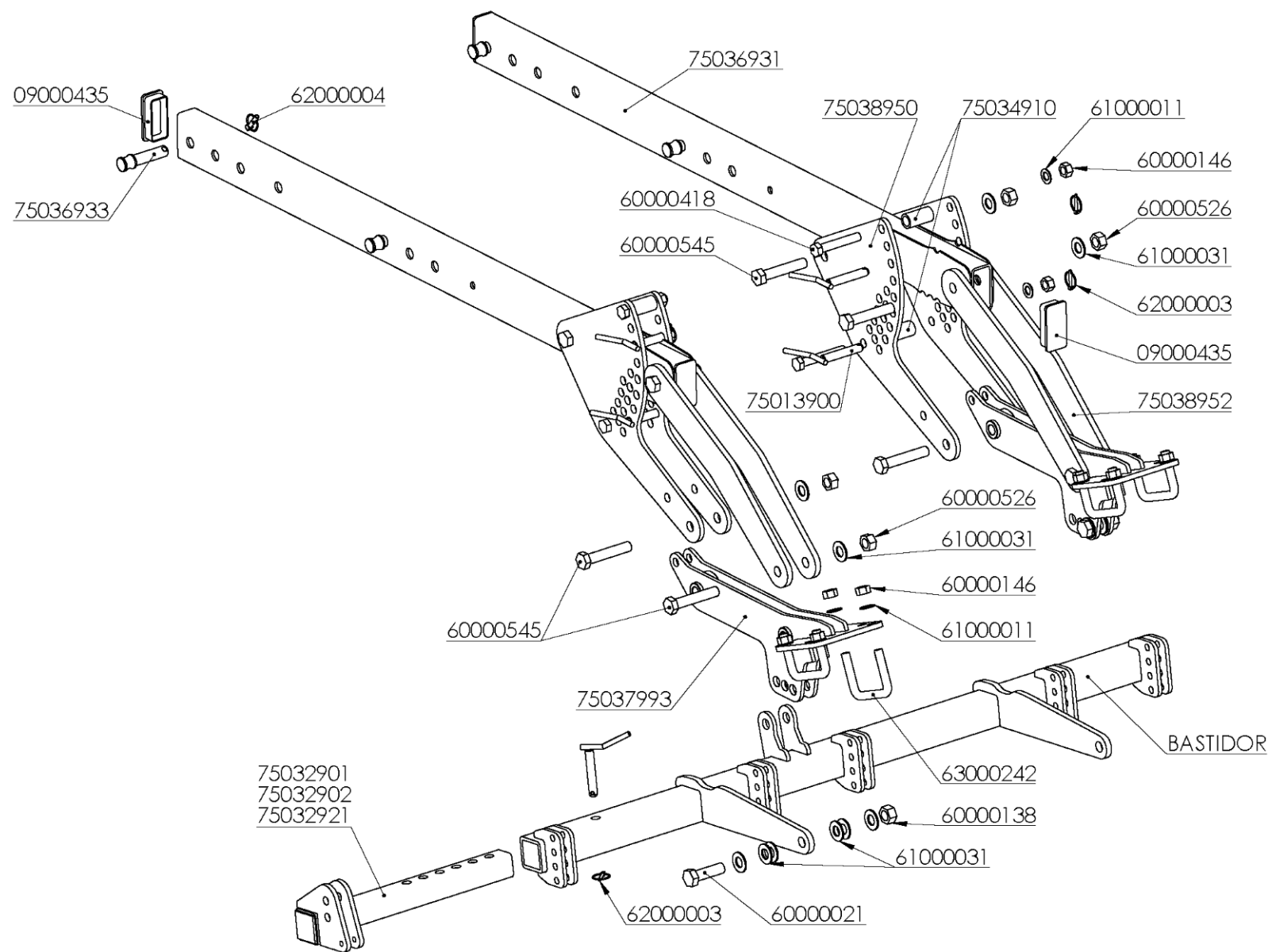


BODY VHB

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000019	TORN.ARADO C/OV/934 12*36 12.9	61000007	ARAND.DIN-9021 10 ZINC.
60000021	TORN.EXAG.C/LAR.1"* 85 SAE 12.9	61000008	ARAND.DIN-125 12 ZINC.
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.	61000010	ARAND.DIN-125 16 ZINC.
60000050	TORN.EXAG.DIN-931 10* 45 10.9 ZINC.	61000012	ARAND.DIN-9021 20 ZINC.
60000062	TORN.EXAG.DIN-931 12* 45 10.9 ZINC.	62000020	PASADOR MED.CAÑA DIN-94 4*40 ZINC.
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.	64000384	PUNTA CH-OVLAC D 75x15mm./3A
60000102	TORN.EXAG.DIN-931 20* 80 8.8	70004930	PORTABALLESTA ANTER VHB
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	70007900	CAMBA CH 30/40mm
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	70008900	PORTA-PUNTAS CH
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	70047900	SEP.HEXAG.REGULAC.CH
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	70058900	TORNILLO REGULACION BALLESTA CHISEL (22*100)
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	85016900	PORTABALLESTA LARGA IZQD.
60000156	TUER.EXAG.DIN-934 10 8.8 ZINC.	85017900	PORTABALLESTA LARGA DCH.
60000157	TUER.EXAG.DIN-934 12 8.8 ZINC	85041900	PASADOR CACHABA BALLESTA GEOMET
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	85057900	SOP.REGULACION BALLESTA ZINC.
60000209	TORN.EXAG.C/LAR.16* 70 12.9 GEOMET	90039961	BALLESTA MAESTRA CORTA BLANCO RAL-7047
60000252	TORN.ARADO C/OV/934 14*65 12.9	90040961	BALLESTA 1er.RFZO.CORTO BLANCO RAL-7047
60000256	TORN.ARADO C/OV/934 12*60 12.9	90042960	BALLESTA 3er.RFZO.BLANCO RAL-7047
60000478	TORN.EXAG.C/LAR.16* 75 10.9 ZINC.	90043962	BALLESTA BOTON CH BLANCO RAL-7047



PARALLELOGRAM ASSEMBLY



PARALLELOGRAM ASSEMBLY

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
9000435	TAPON GOMA 120* 60* 6mm.	63000242	ABARCON RODILLO 122x98 M-20 12.9 GEOMET
60000021	TORN.EXAG.C/LAR. 1"* 85 SAE 12.9	75013900	BULON D=20*118mm.REG.RODILLO ZINC.
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	75032901	BAST.DISCOS VBC CIERRE IZQDO.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	75032902	BAST.DISCOS VBC CIERRE DCHO.
60000418	TORN.EXAG.DIN-931 20*120 8.8 ZINC.	75032921	BAST.DISCOS NON-STOP VBC/VHC CIERRE
60000526	TUER.AUTO.DIN-985 M-24 8.8 ZN.	75034910	SEP.B.P.36/25* 70mm.ZINC.
60000545	TORN.EXAG.C/LAR. 24*130 10.9 ZINC.	75036931	BRAZO SOP.DISCOS/RODILLO VBC (D/14)
61000011	ARAND.DIN-125 20 ZINC.	75036933	BULON BRAZO RODILLO VHC
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	75037993	BRAZO.SOP.RODILLO C/DISCOS (D/22)
62000003	PASADOR ANILLA 6 ZINC.	75038950	ABANICO BRAZO DISCOS/RODILLO VBC (D/22)
62000004	PASADOR ANILLA 10 ZINC.	75038952	BIELA BRAZO DISCOS/RODILLO VBC (D/22)



BASTIDOR DISCOS NIVELADORES

MODELO	REFERENCIA	DESCRIPCION
3-8	75043908	BAST.DISCOS VBC 2,145m.(D/20)
3-10	75043910	BAST.DISCOS VBC 2,745m.(D/20)
3-12	75043912	BAST.DISCOS VBC 3,385m.(D/20)
3-13-P	75043923	BAST.DISCOS VBC 1,550m.DCHO.(D/20)
	75043922	BAST.DISCOS VBC 1,550m.IZQDO.(D/20)
3-15-P	75043925	BAST.DISCOS VBC 1,870m.DCHO.(D/20)
	75043924	BAST.DISCOS VBC 1,870m.IZQDO.(D/20)
3-17-P	75043927	BAST.DISCOS VBC 2,150m.DCHO.(D/20)
	75043926	BAST.DISCOS VBC 2,150m.IZQDO.(D/20)
3-19-P	75043931	BAST.DISCOS VBC 2,590m.DCHO.(D/20)
	75043930	BAST.DISCOS VBC 2,590m.IZQDO.(D/20)



BASTIDOR DISCOS NIVELADORES NON-STOP

MODELO	REFERENCIA	DESCRIPCION
3-8		
3-10	75044910	BAST.DISCOS VHC NON-STOP 2,650m.
3-12		
3-13-P	75044923	BAST.DISCOS VHC NON-STOP DCHO. 1,520m.
	75044922	BAST.DISCOS VHC NON-STOP IZQDO. 1,520m.
3-15-P	75044925	BAST.DISCOS VHC NON-STOP DCHO. 2,010m.
	75044924	BAST.DISCOS VHC NON-STOP IZQDO. 2,010m.
3-17-P	75044927	BAST.DISCOS VHC NON-STOP DCHO. 2,120m.
	75044926	BAST.DISCOS VHC NON-STOP IZQDO. 2,120m.
3-19-P	75044931	BAST.DISCOS VHC NON-STOP DCHO. 2,550m.
	75044930	BAST.DISCOS VHC NON-STOP IZQDO. 2,550m.



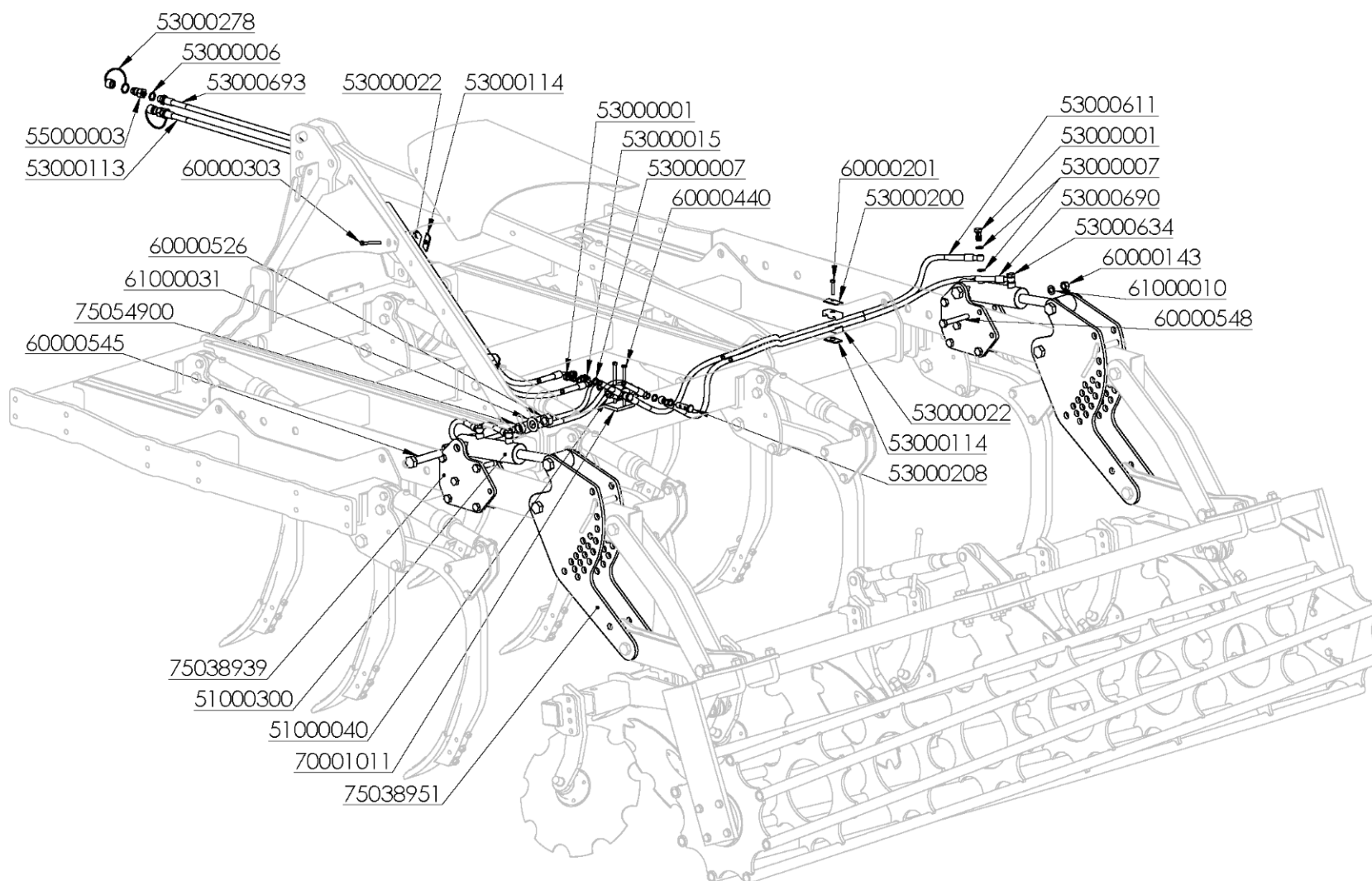
BASTIDOR NIVELADORES

MODELO	REFERENCIA	DESCRIPCION
3-8		
3-10	75045910	BAST.NIVELADORES VHC 2,650m.
3-12		
3-13-P		
3-15-P		
3-17-P	75045927	BAST.NIVELADORES VHC DCHO. 2,120m.
	75045926	BAST.NIVELADORES VHC IZQDO. 2,120m.
3-19-P		





FIXED ROLLER HYDRAULIC SUPPLEMENT

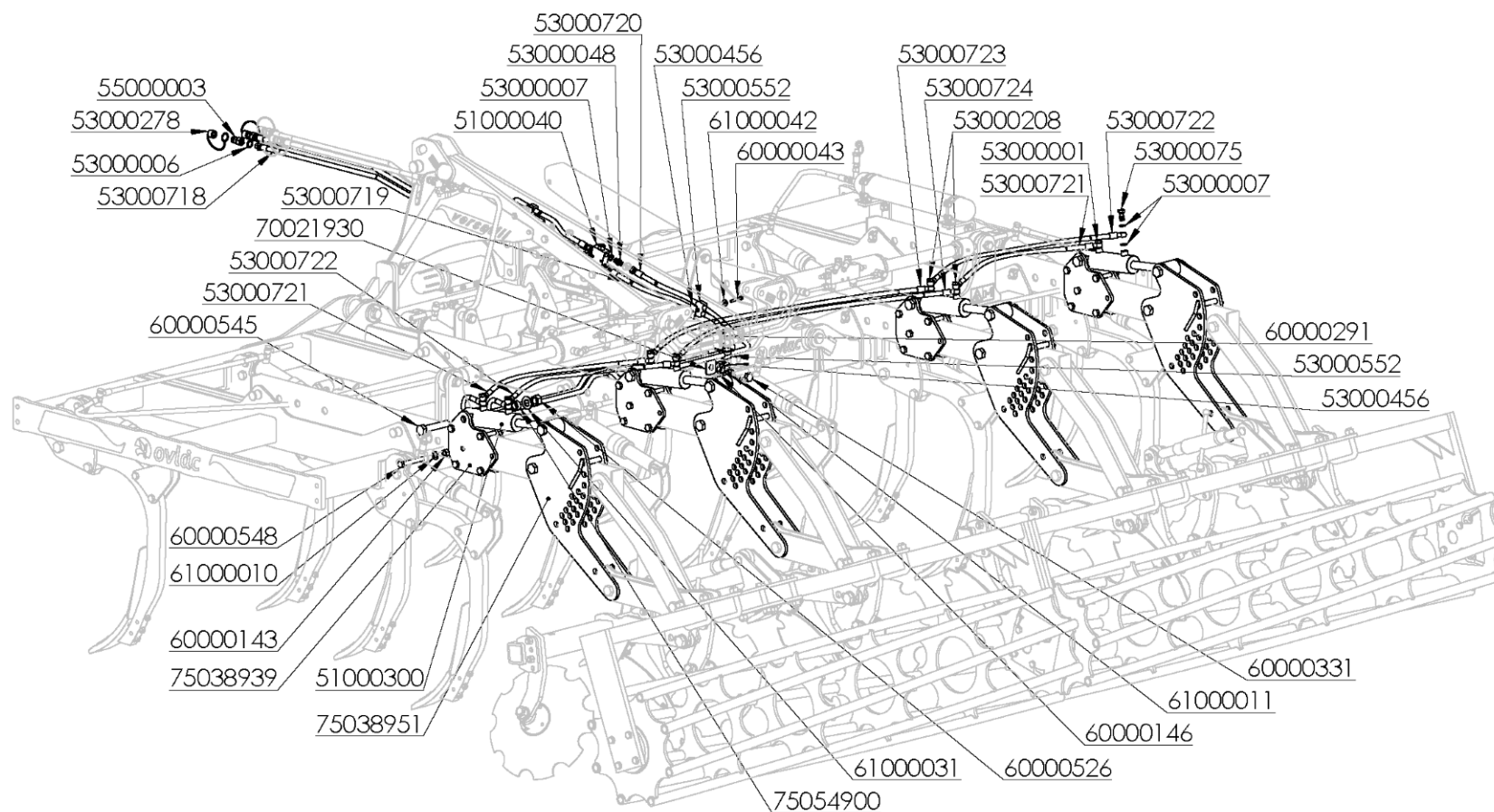


FIXED ROLLER HYDRAULIC SUPPLEMENT

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000040	VALV.BLOQUEO ZINC.3/8 VBPDE-3/8-A	53000693	LATIG.R2-3/8*3600mm.MF-1/2/CTL-3/8
51000300	CILINDRO CASQUILLO D.E. 30/60/110	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000001	TORNILLO SIMPLE 3/8 4022	60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
53000006	JUNTA METAL/GOMA 1/2" 11603	60000201	TORN.EXAG.DIN-931 8* 45 8.8 ZINC.
53000007	JUNTA METAL/GOMA 3/8" 11602	60000303	TORN.EXAG.DIN-931 8* 65 8.8 ZINC.
53000015	UNION MACHO 3/8 4062	60000440	TORN.EXAG.DIN-931 8*140 8.8 ZINC.
53000022	ABRAZ.DOBLE D=19mm. 1D19PP	60000526	TUER.AUTO.DIN-985 M-24 8.8 ZN.
53000113	LATIG.R2-3/8*3600mm.MF-1/2/OR-3/8	60000545	TORN.EXAG.C/LAR. 24*130 10.9 ZINC.
53000114	PLACA SOLDAR AB.DOBLE 19 SP3D	60000548	TORN.EXAG.C/LAR. 16*110 12.9 GEOMET
53000200	PLACA RFZO.AB.DOBLE 19 GD3D	61000010	ARAND.DIN-125 16 ZINC.
53000208	TORNILLO DOBLE 3/8" 4032	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
53000278	PROTECTOR E.R.MACHO 1/2" AMARILLO 5029-4PY	70001011	ESTRUCT.100/100/ 8*2958 BAST.CH-11/VBC-300/FENIX-7
53000611	LATIG.R2-3/8*1600mm.OR/OR-3/8	75038939	PLACA SOP.CILIND.RODILLO HID.VHC/MAXIDSIC
53000634	TORNILLO SIMPLE 3/8" REDUCTOR TAL.UNICO DE 1MM 40	75038951	ABANICO BRAZO DISCOS/RODILLO HIDR.VBC (D/22)
53000690	LATIG.R2-3/8*1820mm.OR/OR-3/8	75054900	SEP.B.P.36/25* 15mm.ZINC.



HYDRAULIC SUPPLEMENT FOR FOLDING ROLLER

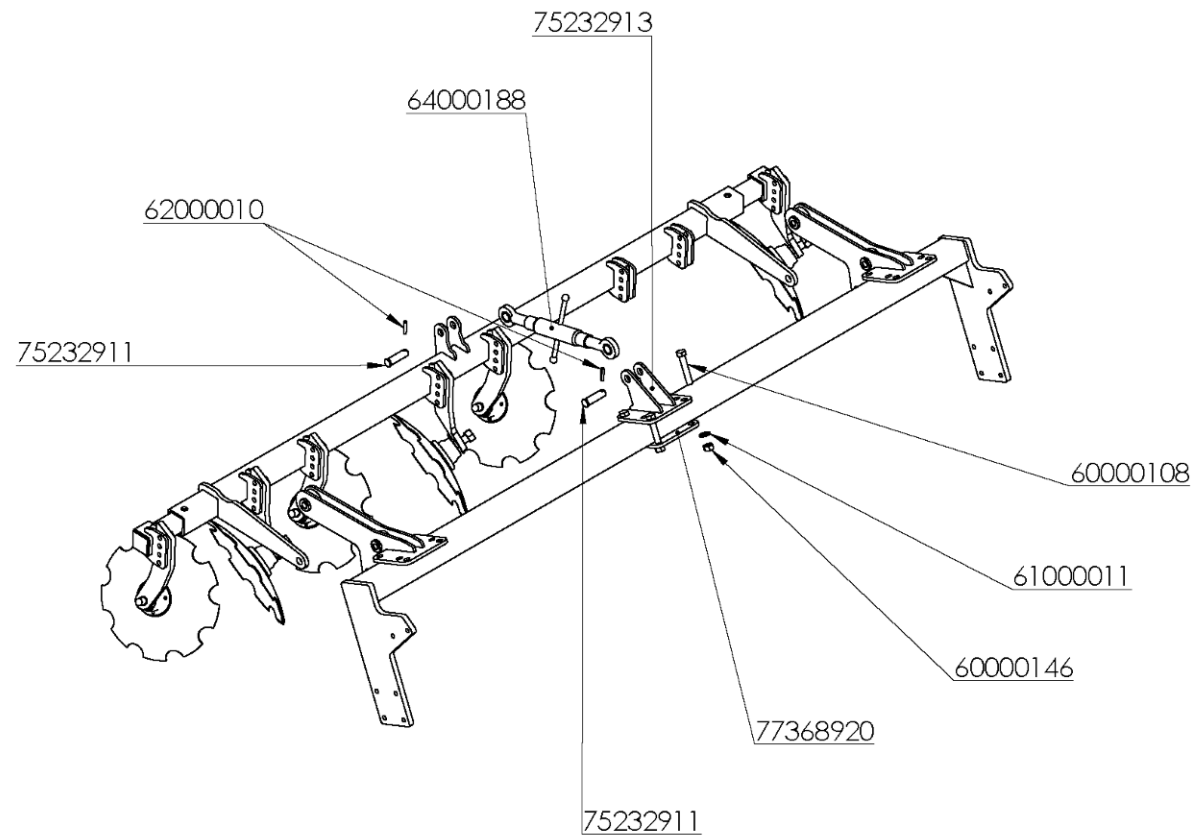


HYDRAULIC SUPPLEMENT FOR FOLDING ROLLER

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000040	VALV.BLOQUEO ZINC.3/8 VBPDE-3/8-A	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
51000300	CILINDRO CASQUILLO D.E. 30/60/110	60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.
53000001	TORNILLO SIMPLE 3/8 4022	60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
53000006	JUNTA METAL/GOMA 1/2" 11603	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
53000007	JUNTA METAL/GOMA 3/8" 11602	60000291	TORN.EXAG.DIN-931/933 8* 40 8.8 ZINC.
53000048	UNION MACHO BSP 3/8-12 GE12-L	60000331	TORN.EXAG.DIN-933 20* 50 8.8 ZINC.
53000075	TORNILLO SIMPLE 3/8 REDUCTOR 4022-T	60000526	TUER.AUTO.DIN-985 M-24 8.8 ZN.
53000208	TORNILLO DOBLE 3/8" 4032	60000545	TORN.EXAG.C/LAR. 24*130 10.9 ZINC.
53000278	PROTECTOR E.R.MACHO 1/2" AMARILLO 5029-4PY	60000548	TORN.EXAG.C/LAR. 16*110 12.9 GEOMET
53000456	PLACA SOLDAR AB.DOUBLE 15/18 SP2D	61000010	ARAND.DIN-125 16 ZINC.
53000552	ABRAZ.DOUBLE LAT.PREMIER 3/8	61000011	ARAND.DIN-125 20 ZINC.
53000718	LATIG.PREMIER-3/8*2800mm.MF-1/2/TL-18	61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)
53000719	LATIG.PREMIER-3/8*2400mm.OR-3/8/TL-18	61000042	ARAND.DIN-9021 8 ZINC.
53000720	LATIG.PREMIER-3/8*2550mm.OR-3/8/TL-18	70021930	SOP.LATIG.MINIVID ABATIBLE
53000721	LATIG.PREMIER-3/8*1000mm.OR-3/8/OR-3/8	75038939	PLACA SOP.CILIND.RODILLO HID.VHC/MAXIDSIC
53000722	LATIG.PREMIER-3/8*1200mm.OR-3/8/OR-3/8	75038951	ABANICO BRAZO DISCOS/RODILLO HIDR.VBC (D/22)
53000723	LATIG.PREMIER-3/8*1650mm.OR-3/8/OR-3/8	75054900	SEP.B.P.36/25* 15mm.ZINC.
53000724	LATIG.PREMIER-3/8*1850mm.OR-3/8/OR-3/8		



TENSIONER ASSEMBLY

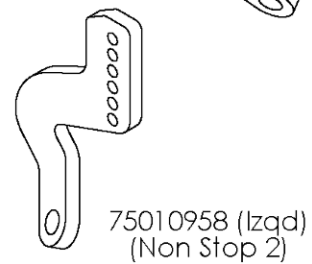
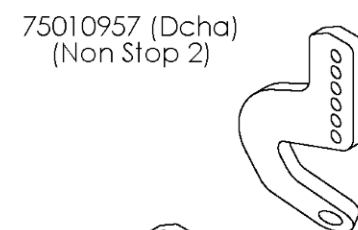
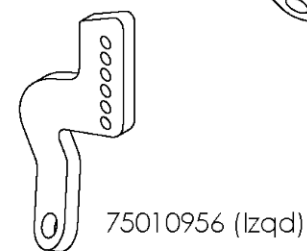
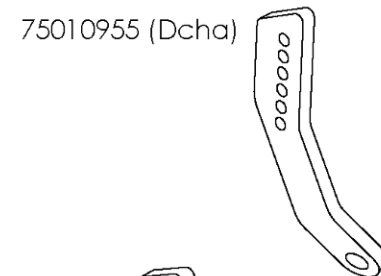
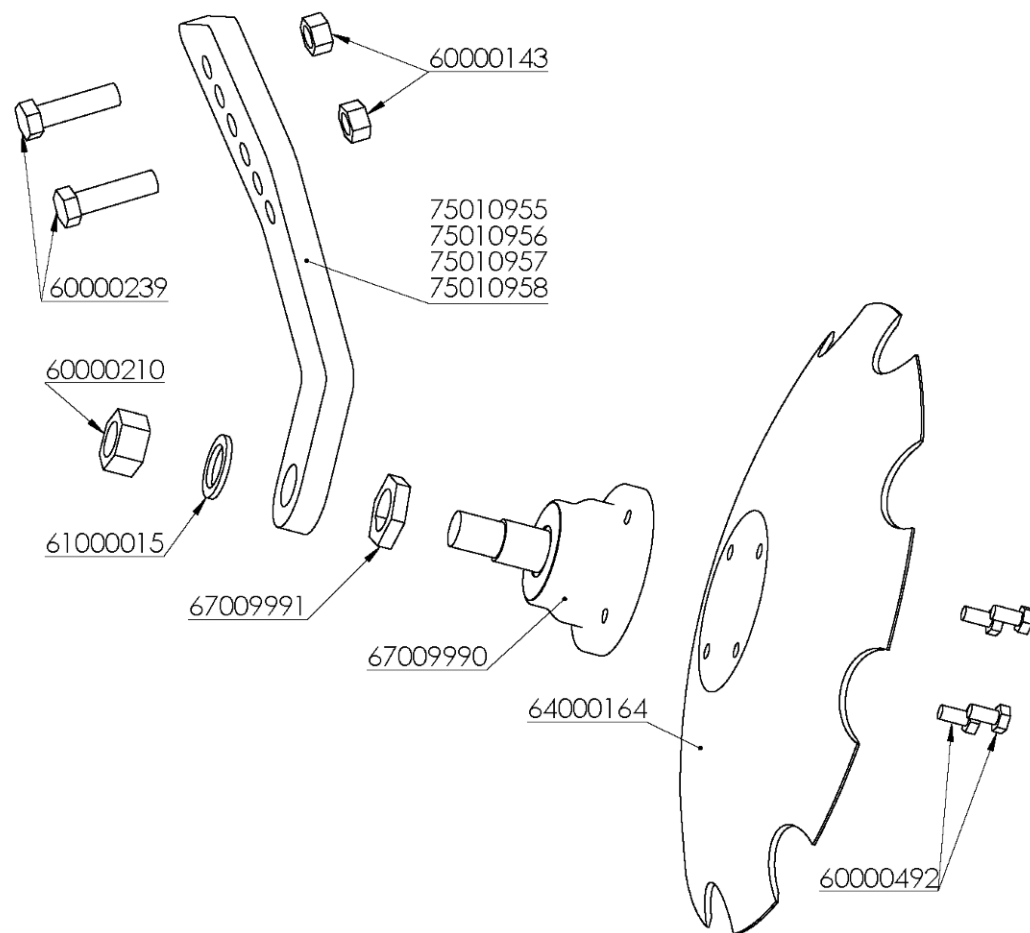


TENSIONER ASSEMBLY

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000108	TORN.EXAG.DIN-931 20*110 8.8 ZINC.	64000188	TENSOR C/ROT.D=26 30360 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	75232911	BULON D=30/25,5*93mm.TENSOR DISCOS VBC
61000011	ARAND.DIN-125 20 ZINC.	75232913	SOP.TENSOR BAST.DISCOS VBC (D/20)
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.	77368920	PLACA AMARRE RODILLO MAXIDISC-II/VBC



DISC ARM

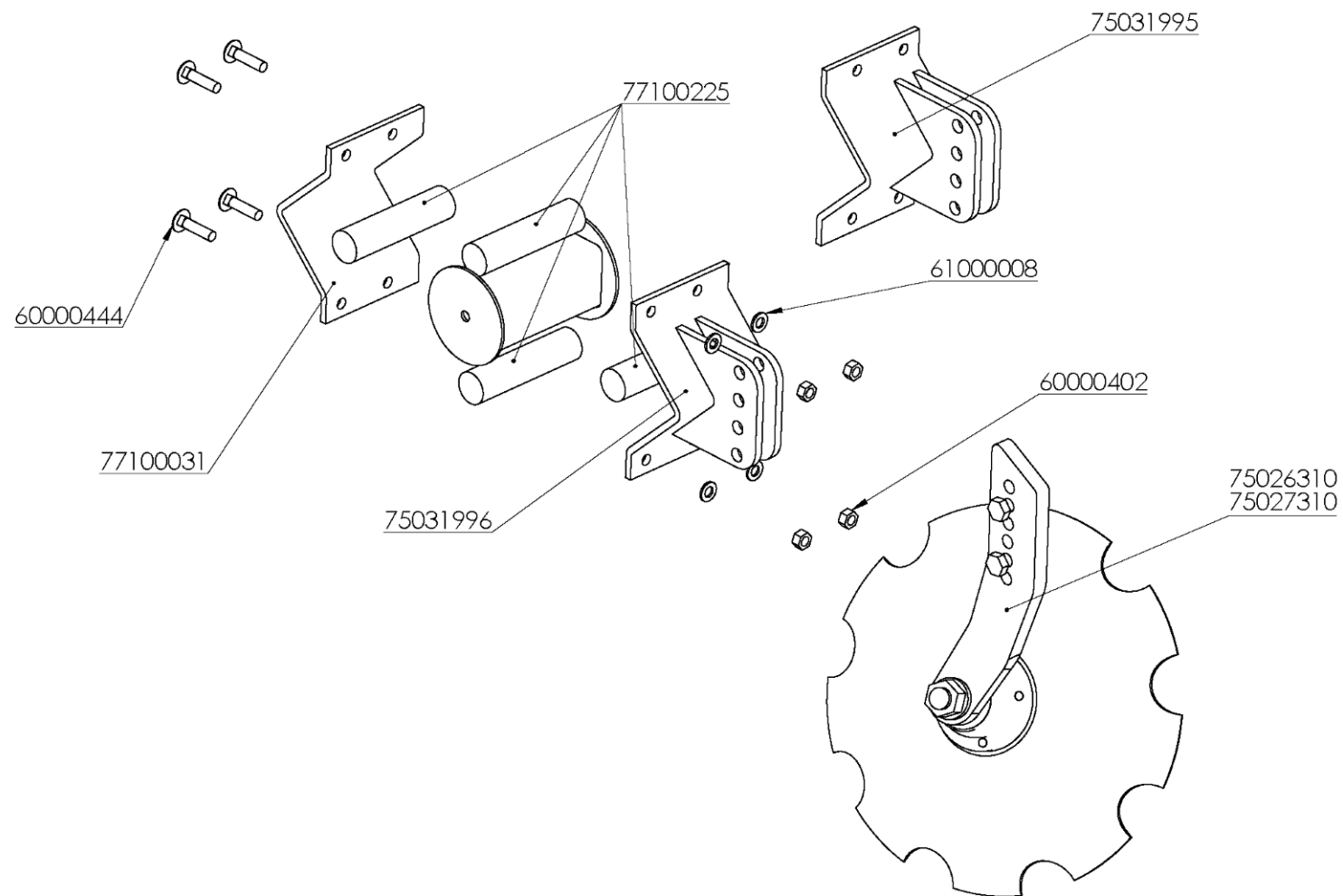


DISC ARM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	67009990	CONJ.BUJE + EJE DISCOS 20" (D/16)
60000210	TUER.AUTO.DIN-985 1" SAE 8.8 ZN.	67009991	ARANDELA FRENO BUJE DISCOS
60000239	TORN.EXAG.DIN-931 16* 60 10.9 ZINC.	75010955	SOP.DISCOS VHC DCHO.(D/23)
60000492	TORN.EXAG.DIN-933 10* 20 10.9 ZINC.	75010956	SOP.DISCOS VHC IZQDO.(D/23)
61000015	ARAND.DIN-125-B 30 ZINC.	75010957	SOP.DISCOS CIERRE VHC DCHO.(D/23)
64000164	DISCO CONCAVO MUESCADO VBC 18" 4mm.	75010958	SOP.DISCOS CIERRE VHC IZQDO.(D/23)



NON-STOP DISCS 2

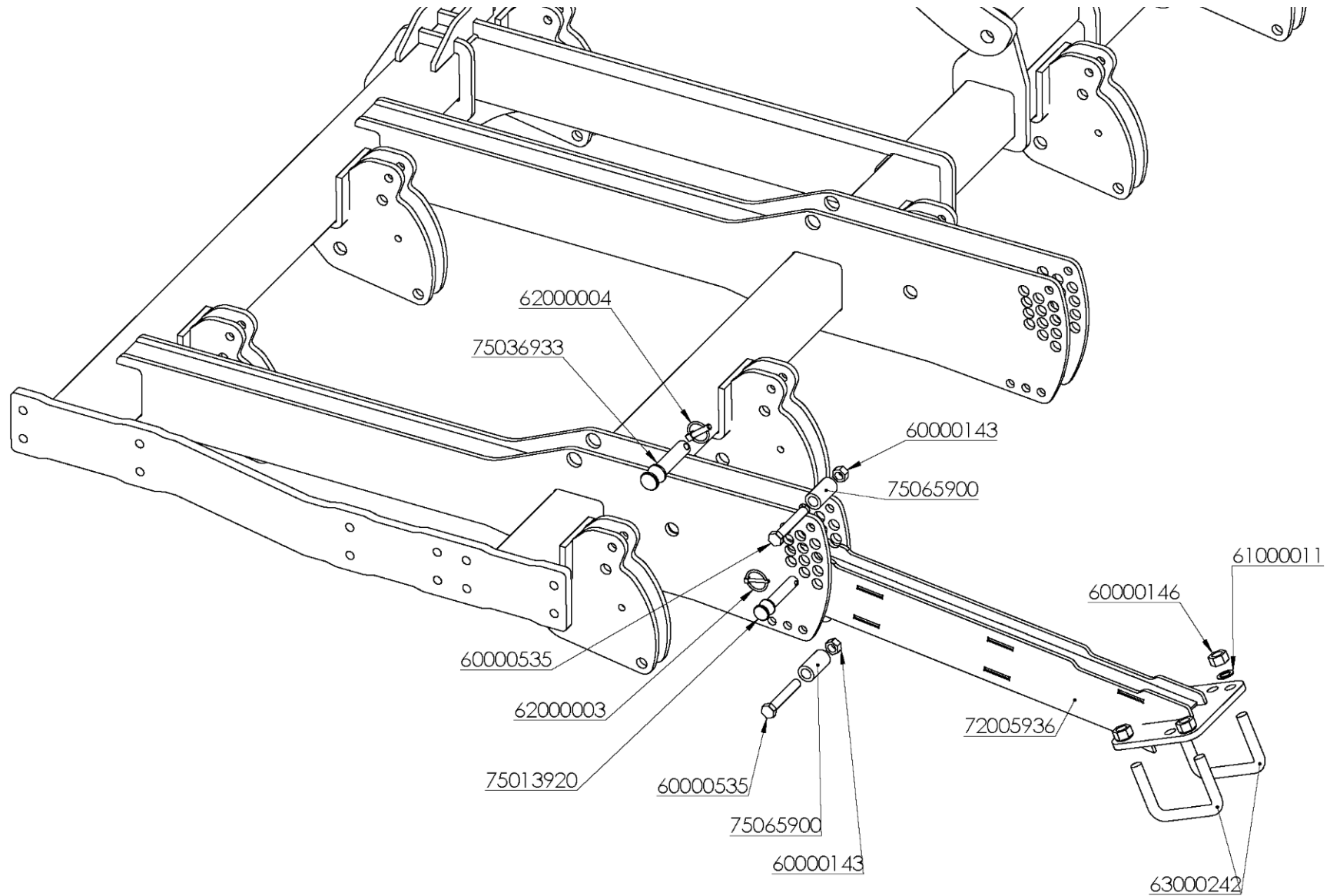


NON-STOP DISCS 2

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000402	TUER.EXAG.DIN-934 12 10.9 ZINC.	75031995	SOP.DISCO NON-STOP VBC DESCENTRADO (D/19)
60000444	TORN.ARADO DIN-603 12*50 10.9 ZINC.	75031996	SOP.DISCO NON-STOP VBC CENTRADO (D/19)
61000008	ARAND.DIN-125 12 ZINC.	77100031	LLANTA AMARRE DISCO NON-STOP VBC
75026310	CONJ.DISCO VBC IZQD.(D/19)	77100225	SUSPENSION ELASTICA D=40*160mm.
75027310	CONJ.DISCO VBC DCHO.(D/19)		



ROLLER ARM ASSEMBLY VHC-2

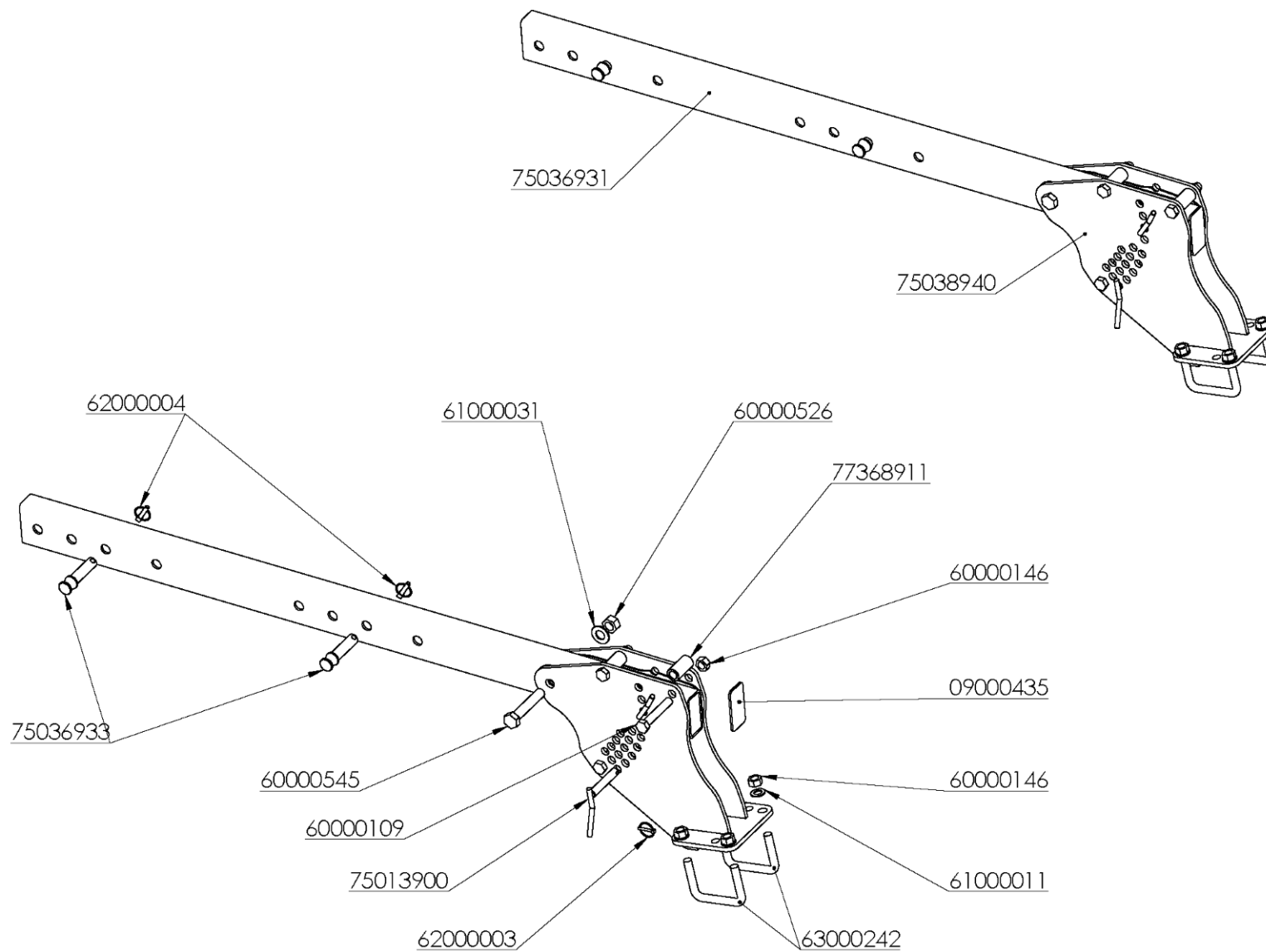


ROLLER ARM ASSEMBLY VHC-2

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	63000242	ABARCON RODILLO 122x98 M-20 10.9 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	72005936	BRAZO SOP.RODILLO CH/EURODISC (D/20)
60000535	TORN.EXAG.DIN-931 16*100 8.8 ZN.	75013920	BULON D=20*126mm.REG.RODILLO ZINC.
61000011	ARAND.DIN-125 20 ZINC.	75036933	BULON BRAZO RODILLO VHC
62000003	PASADOR ANILLA 6 ZINC.	75065900	SEP.B.P.32/20* 62mm.
62000004	PASADOR ANILLA 10 ZINC.		



ROLLER ARM ASSEMBLY VHC-3

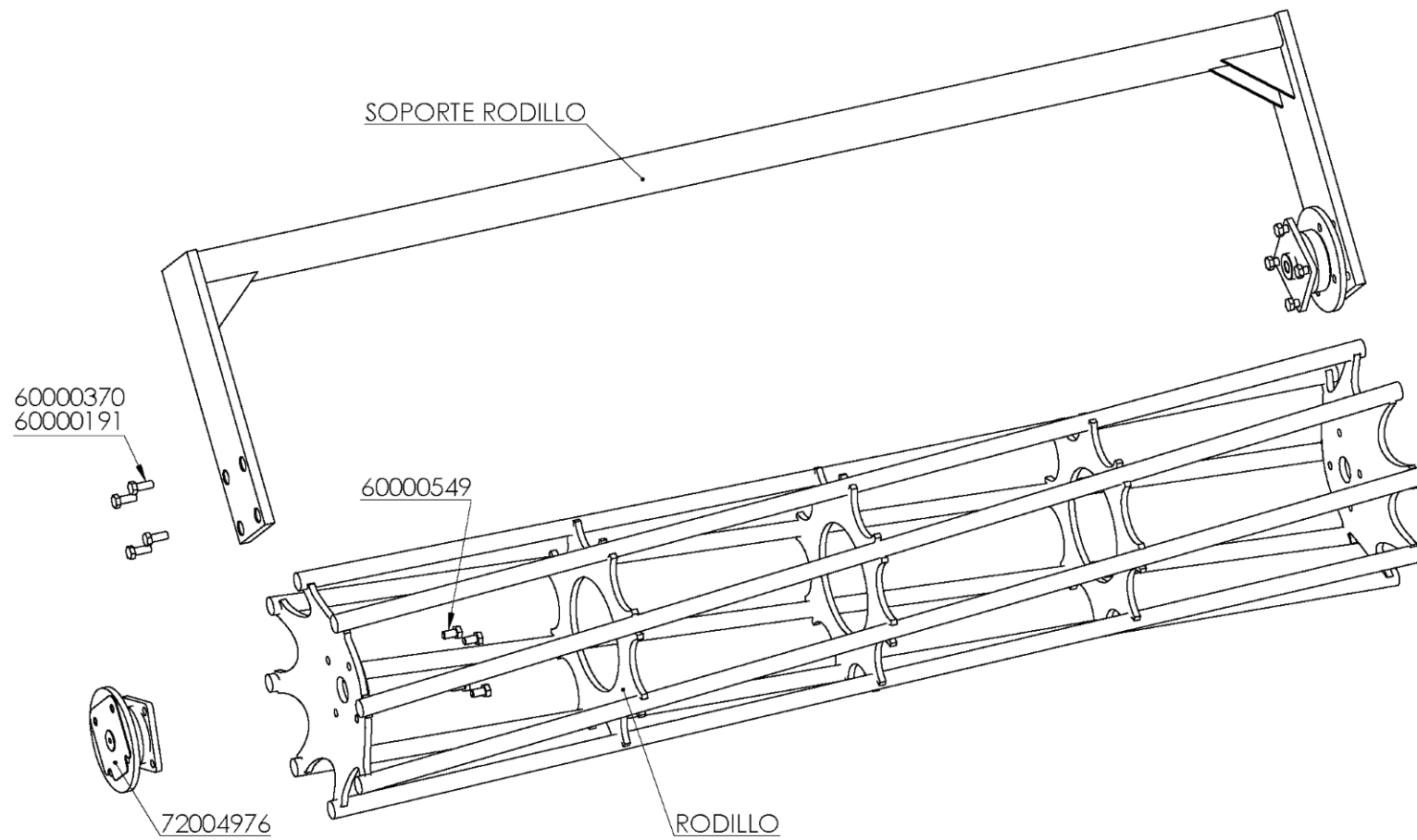


ROLLER ARM ASSEMBLY VHC-3

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
9000435	TAPON GOMA 120* 60* 6mm.	62000004	PASADOR ANILLA 10 ZINC.
60000109	TORN.EXAG.DIN-931 20*120 8.8	63000242	ABARCON RODILLO 122x98 M-20 10.9 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	75013900	BULON D=20*118mm.REG.RODILLO ZINC.
60000526	TUER.AUTO.DIN-985 M-24 8.8 ZN.	75036931	BRAZO SOP.DISCOS/RODILLO VBC (D/14)
60000545	TORN.EXAG.C/LARGA 24*130 10.9 ZINC.	75036933	BULON BRAZO RODILLO VHC
61000011	ARAND.DIN-125 20 ZINC.	75038940	SOP.REGULACION RODILLO VHCH
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	77368911	CASQ.D=35/21*71mm.SEP.RODILLO MAXIDISC-II
62000003	PASADOR ANILLA 6 ZINC.		



ROLLERS

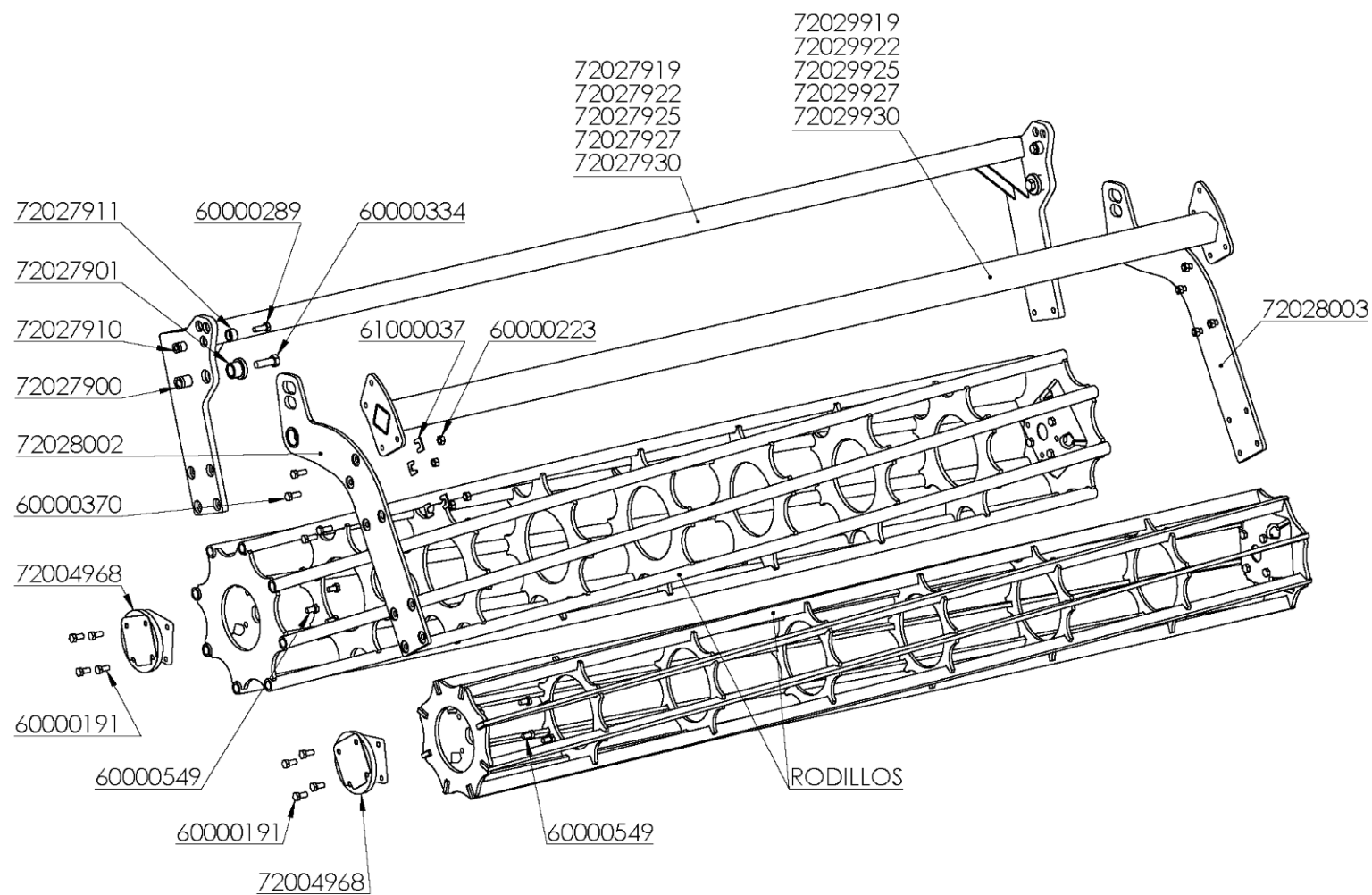


ROLLERS

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000191	TORN.EXAG.DIN-933 14* 30 8.8 ZINC.	60000549	TORN.EXAG.DIN-933 14*25 8.8
60000370	TORN.EXAG.DIN-933 14* 35 8.8 ZINC.	72004976	CONJ.BUJE RFZD.RODILLO (D/20) - REDONDO (FUNDIDO)



FREE DOUBLE ROLLER



FREE DOUBLE ROLLER

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000191	TORN.EXAG.DIN-933 14* 30 8.8 ZINC.	72027919	SOP.RODILLO P/TANDEM 1,95m.
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	72027922	SOP.RODILLO P/TANDEM 2,20m.
60000289	TORN.EXAG.DIN-931 14* 40 12.9 DACROMET	72027925	SOP.RODILLO P/TANDEM 2,55m.
60000334	TORN.EXAG.DIN-931 20* 60 8.8 ZINC.	72027927	SOP.RODILLO P/TANDEM 2,70m.
60000370	TORN.EXAG.DIN-933 14* 35 8.8 ZINC.	72027930	SOP.RODILLO P/TANDEM 3,00m.
60000549	TORN.EXAG.DIN-933 14*25 8.8	72028002	PLACA IZQDA.RODILLO TANDEM
61000037	ARAND.CALZO BASTIDOR MODULO	72028003	PLACA DCHA.RODILLO TANDEM
72004968	CONJ.RODAMIENTO RODILLO REDONDO (FUNDIDO)	72029919	PUENTE P/TANDEM 1,95m.
72027900	TUERCA GUIA TANDEM	72029922	PUENTE P/TANDEM 2,20m.
72027901	CASQ.GUIA TANDEM	72029925	PUENTE P/TANDEM 2,55m.
72027910	TUERCA TOPE TANDEM	72029927	PUENTE P/TANDEM 2,70m.
72027911	CASQ.TOPE TANDEM	72029930	PUENTE P/TANDEM 3,00m.



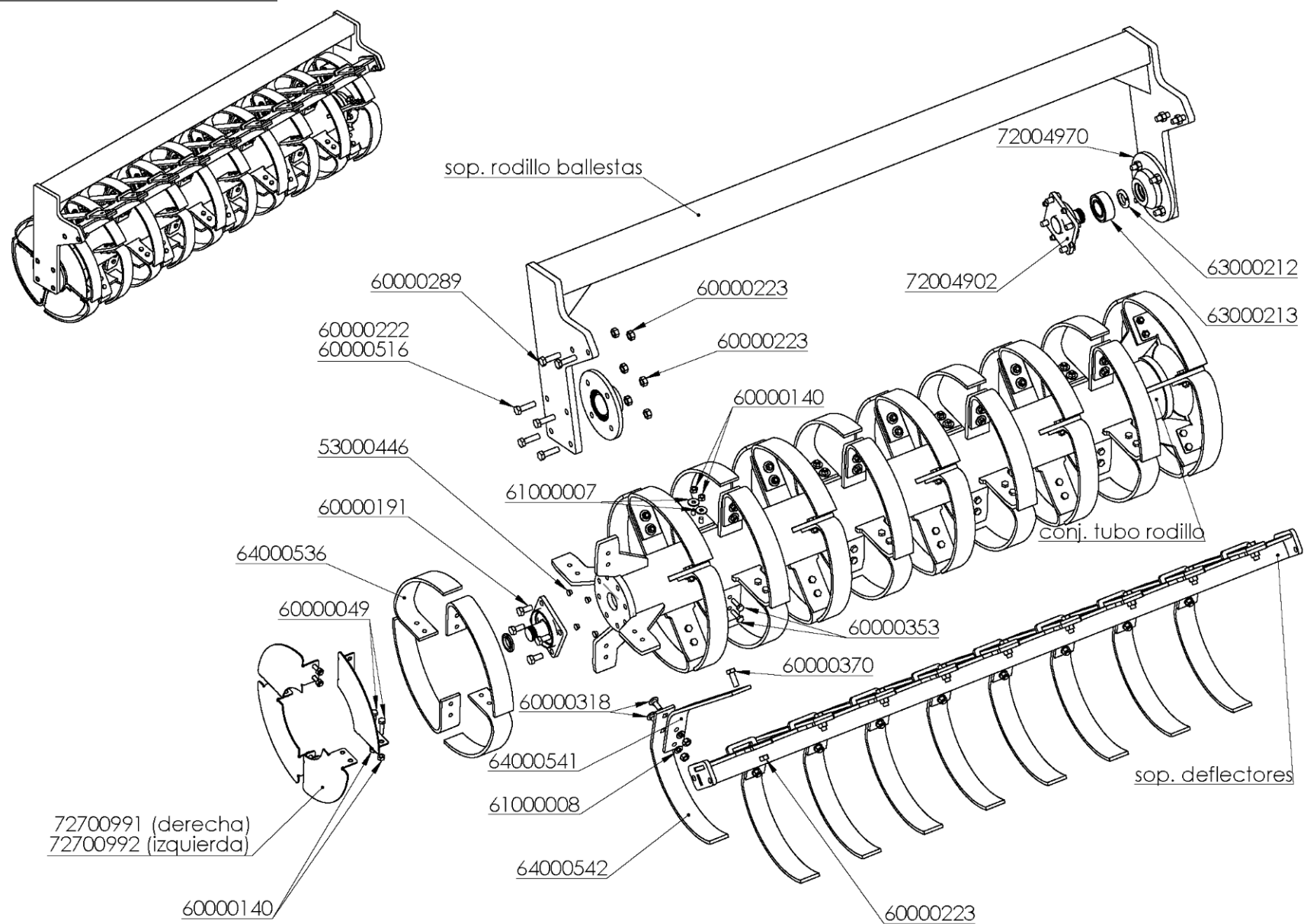
CLASIFICACIÓN RODILLOS VHC

MODELO	METROS	8 BARRAS	10 BARRAS	8 MUESCAS	10 MUESCAS	SOP. RODILLOS	SOP. RODILLOS DOBLE
3-8	2,55	72001926	72011926	72602925	72151926	72021925	72053925
2-9	2,70	72001925	72011925	72602926	72151925	72021927	72053927
3-10 2-11	3,00	72001931	72011931	72602930	72151931	72021930	72053931
3-12	3,60	72001936	72011936	72602935	72151936	72021936	
3-13-P 3-13-P	2 x 1,95	72001919	72011919	72602920	72151919	72021919	72053919
3-15-P 2-15-P	2 x 2,20	72001920	72011920	72602920	72151920	72021922	72053922
3-17-P 2-17-P	2 x 2,55	72001926	72011926	72602925	72151926	72021925	72053925
3-19-P 2-19-P	2 x 3,00	72001931	72011931	72602926	72151931	72021930	72053931





LEAF SPRING ROLLER



LEAF SPRING ROLLER

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000446	TAPON PVC NEGRO 12,3mm.	63000213	RODAM.ENT-140225-308E BUJE RODILLO MCH
60000049	TORN.EXAG.DIN-931 10* 40 10.9 ZINC.	64000536	BALLESTA RODILLO 60*9
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	64000541	SOP.DEFLECTOR ROD.BALLESTA 60*9
60000191	TORN.EXAG.DIN-933 14* 30 8.8 ZINC.	64000542	DEFLECTOR ROD.BALLESTA
60000222	TORN.EXAG.DIN-931/933 14* 40 8.8	72004902	EJE RODILLO CIERRE ESFERICO (OJO PEDIR RODAM.63000213)
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	72004970	BUJE C/BRIDA RODILLO MCH (D/14)
60000289	TORN.EXAG.DIN-931 14* 40 12.9 ZINC.	72004974	CONJ.RODAMIENTO RODILLO REDONDO (BALLESTAS-"T"-"U")
60000318	TORN.ARADO DIN-603/934 12*35 8.8 ZINC.	72004999	CALZO BUJE RODILLO
60000353	TORN.EXAG.DIN-931 10* 35 10.9 ZINC.	72700920	CONJUNTO TUBO RODILLO BALLESTAS 2,00m.
60000370	TORN.EXAG.DIN-933 14* 35 8.8 ZINC.	72700991	CHAPA PLEGADA DCHA. ROD. BALL.
60000516	TORN.EXAG.DIN-933 14* 45 8.8	72700992	CHAPA PLEGADA IZQ. ROD. BALL.
61000007	ARAND.DIN-9021 10 ZINC.	72702920	SOP.DEFLECTORES RODILLO BALLESTAS 2,00m.
61000008	ARAND.DIN-125 12 ZINC.	72703920	SOP.RODILLO BALLESTAS 2,00m. (D/14)
63000212	TUERCA FIJACION KMA 8		



CLASIFICACIÓN RODILLOS BALLESTAS VHC

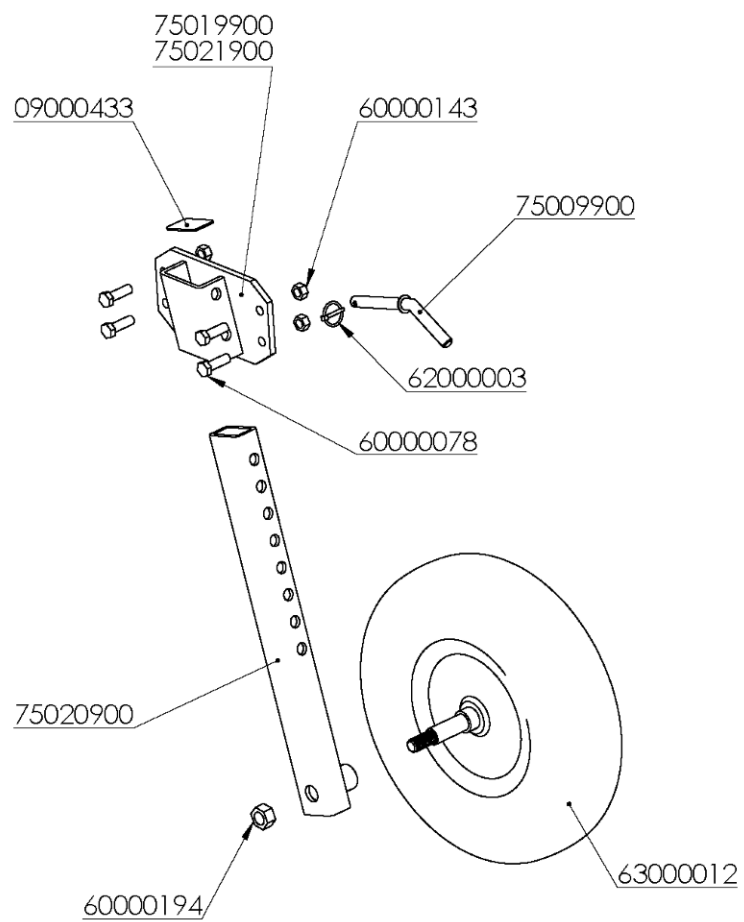
MODELO	METROS	SOP.BALLESTAS	SOP.DEFLECTORES	CONJ. TUBO RODILLO BALLESTAS	CONJ. TUBO RODILLO "T-RING"	CONJ. TUBO RODILLO "U-RING"
3-8	2,40	72703926	72702924	72700924	72730924	
2-9	2,80	72703928	72702928	72700928		
3-10 2-11	3,00	72703930	72702930	72700930	72730930	72740930
3-12	3,60	72703936	72702936	72700936		72740936
3-13-P 3-13-P	2 x 2,00	72703920	72702920	72700920	72730920	72740920
3-15-P 2-15-P	2,20 + 2,40	72703922 + 72703924	72702922 + 72702924	72700922 + 72700924	72730922 + 72730924	
3-17-P 2-17-P	2 x 2,60	72703926	72702926	72700926	72730926	
3-19-P 2-19-P	2 x 3,00	72703930	72702930	72700930	72730930	72740930



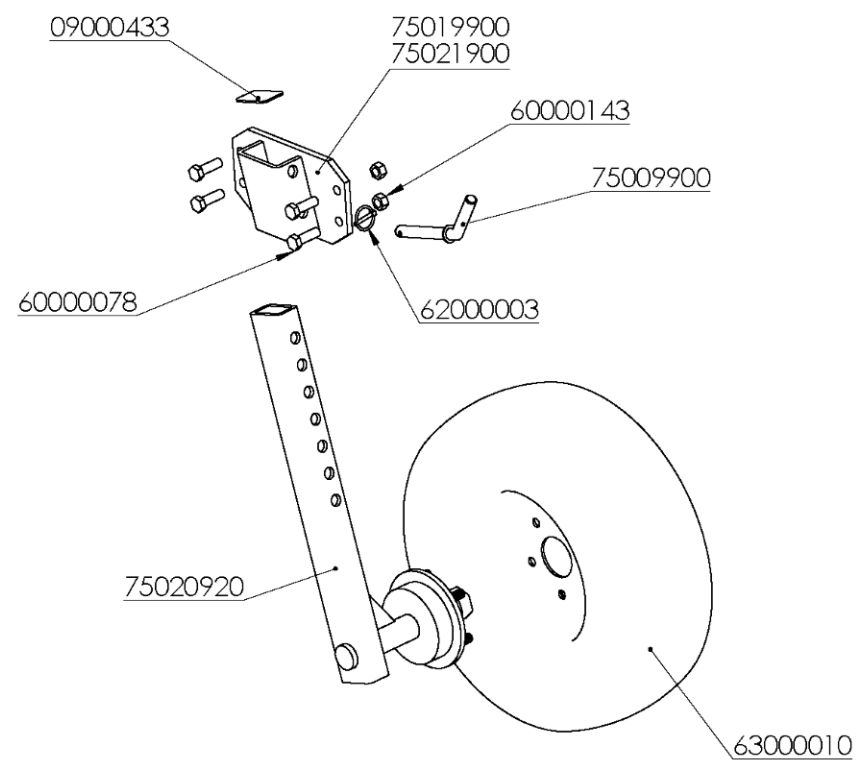


LATERAL WHEELS

PAREJA RUEDAS NEUMÁTICAS 6.00*9"



PAREJA RUEDAS NEUMÁTICAS 200*14.5"

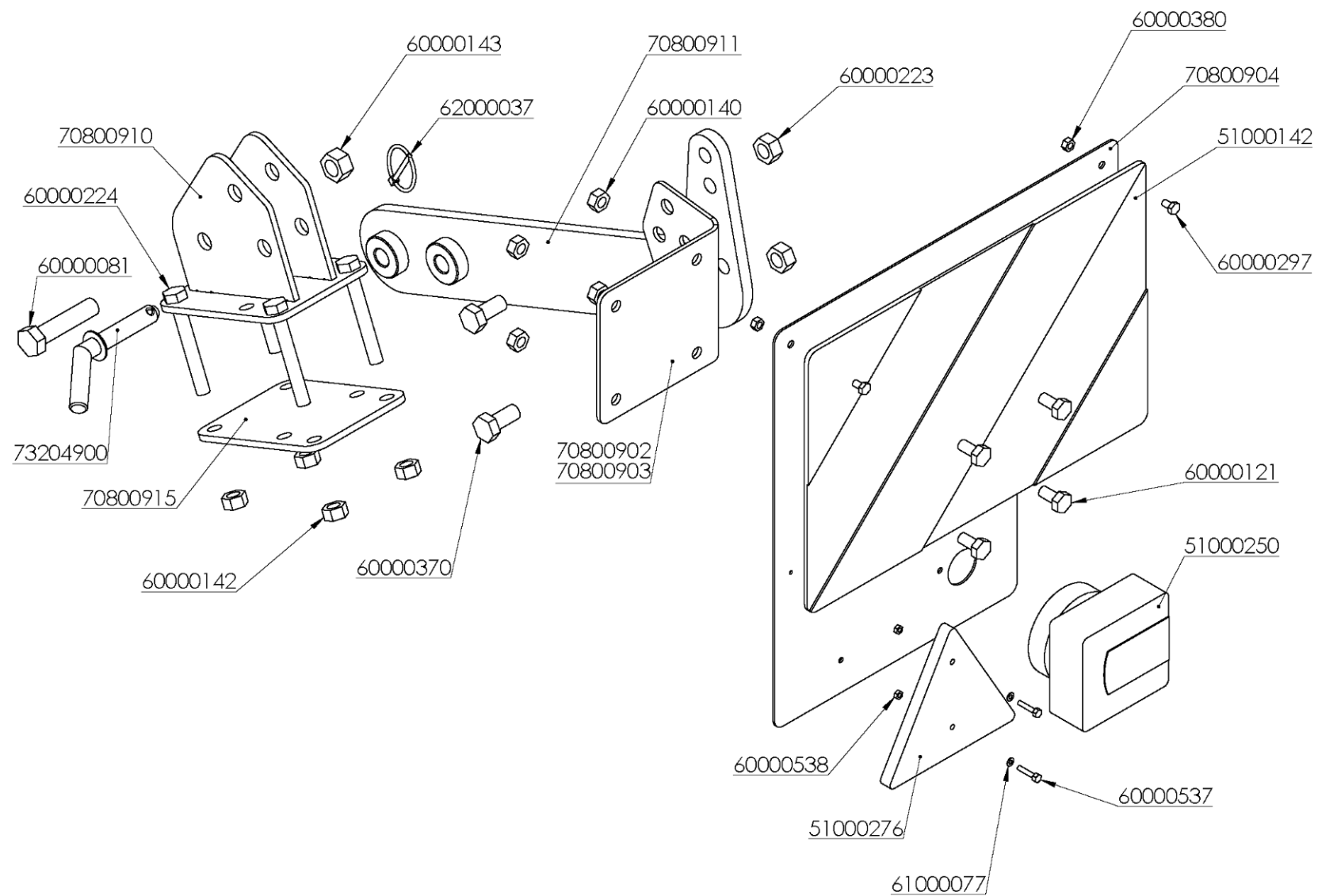


LATERAL WHEELS

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
9000433	TAPON GOMA 80* 50* 8mm.	63000012	R.N.C/EJE 6.00*9"-10PR V50 RAL-6029
60000078	TORN.EXAG.DIN-933 16* 50 8.8 ZINC.	75009900	BULON D=20*255mm.REG.RDA.CH ZINC.
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	75019900	SOP.RDA.CHISEL DCH.
60000194	TUER.AUTO.DIN-985 24/200 8.8	75020900	BRAZO RDA.CHISEL
62000003	PASADOR ANILLA 6 ZINC.	75020920	BRAZO RDA.NEUM.(608*205) CHISEL
63000010	R.N.C/ATAQUE 200/60*14,5"-10PR RAL-6029	75021900	SOP.RDA.CHISEL IZQD.



ROAD & LIGHTS SIGNS VHC FIX

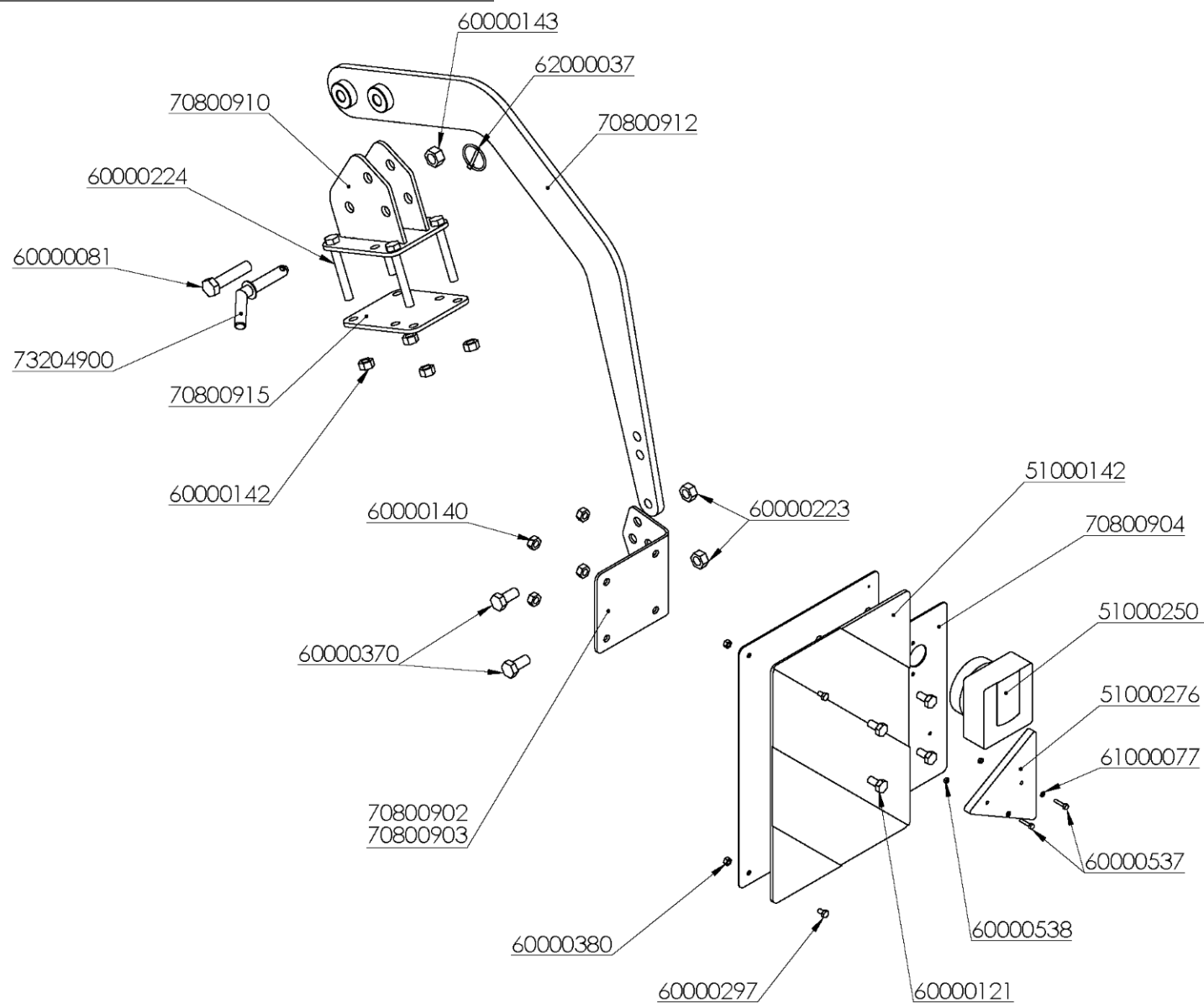


ROAD & LIGHTS SIGNS VHC FIX

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000142	PAREJA PANEL PLACA 423x282 239909	60000380	TUER.AUTO.DIN-985 6 8.8 ZINC.
51000250	KIT LUCES MAGNETICAS LED INALAMBRICAS 1216802	60000537	TORN.EXAG.DIN-933 4* 20 8.8 ZINC.
51000276	TRIANGULO ROJO 04010	60000538	TUER.AUTO.DIN-985 4 8.8 ZINC.
60000081	TORN.EXAG.DIN-931 16* 70 8.8 ZINC.	61000077	ARAND.DIN-125 4 ZINC.
60000121	TORN.EXAG.DIN-933 10* 20 8.8 ZINC.	62000037	PASADOR ANILLA 4,5 ZINC.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	70800902	PLACA SOP.IZQDA.SEÑALIZACION MULTIPLE
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	70800903	PLACA SOP.DCHA.SEÑALIZACION MULTIPLE
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	70800904	PLACA SEÑALIZACION MULTIPLE
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	70800910	SOP.SEÑAL.VBC/MAXIDISC
60000224	TORN.EXAG.DIN-931 12* 90 10.9 ZINC.	70800911	BRAZO SEÑAL.VBC/MAXIDISC FIJA
60000297	TORN.EXAG.DIN-931 6* 10 8.8 ZINC.	70800915	PLACA AMARRE.SOP.SEÑAL.VBC/MAXIDISC
60000370	TORN.EXAG.DIN-933 14* 35 8.8 ZINC.	73204900	BULON D=16*150mm.REG.RDA.DOBLE



ROAD & LIGHTS SIGNS VHC FOLDABLE

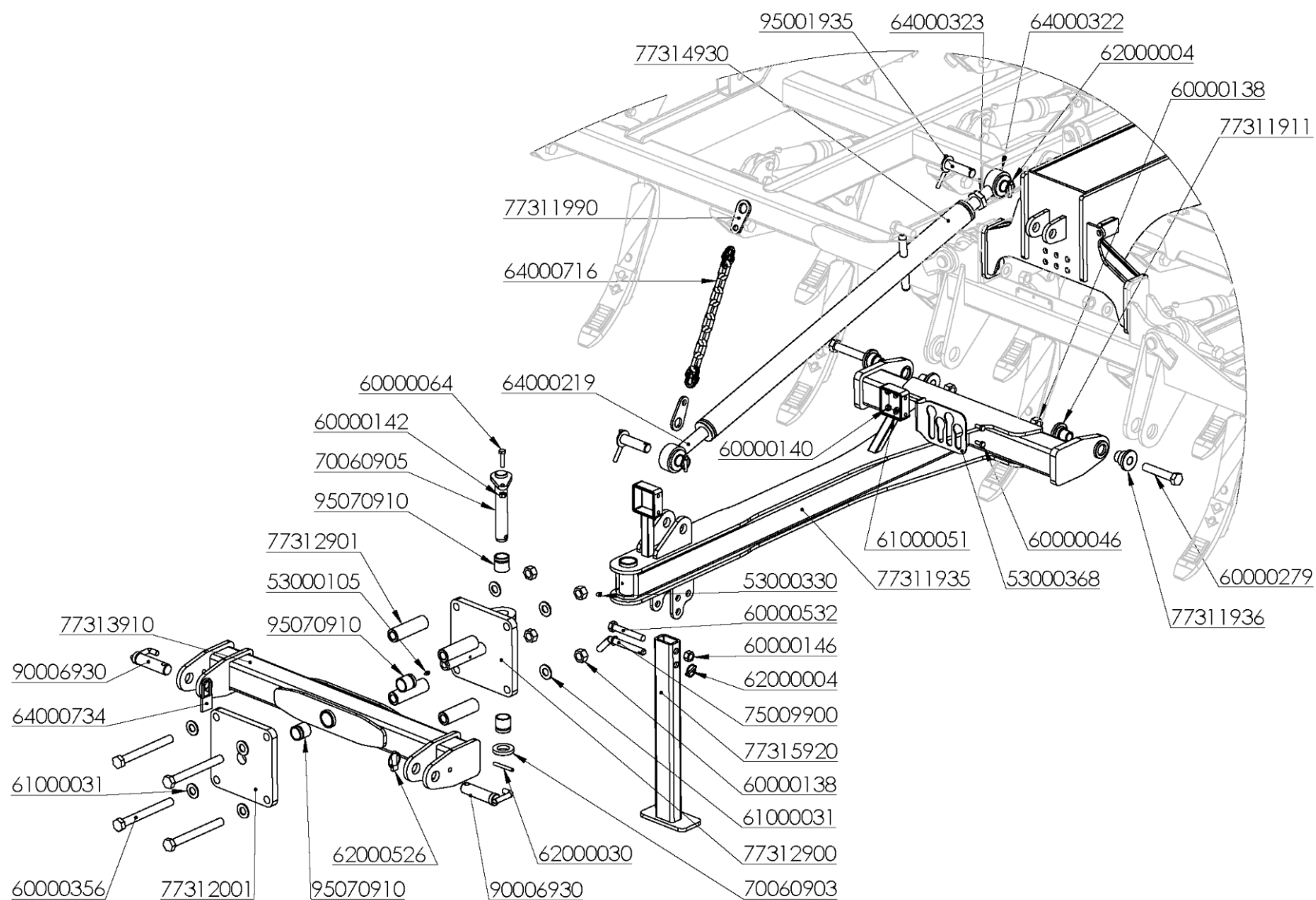


ROAD & LIGHTS SIGNS VHC FOLDABLE

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000142	PAREJA PANEL PLACA 423x282 239909	60000380	TUER.AUTO.DIN-985 6 8.8 ZINC.
51000250	KIT LUCES MAGNETICAS LED INALAMBRICAS 1216802	60000537	TORN.EXAG.DIN-933 4* 20 8.8 ZINC.
51000276	TRIANGULO ROJO 04010	60000538	TUER.AUTO.DIN-985 4 8.8 ZINC.
60000081	TORN.EXAG.DIN-931 16* 70 8.8 ZINC.	61000077	ARAND.DIN-125 4 ZINC.
60000121	TORN.EXAG.DIN-933 10* 20 8.8 ZINC.	62000037	PASADOR ANILLA 4,5 ZINC.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	70800902	PLACA SOP.IZQDA.SEÑALIZACION MULTIPLE
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	70800903	PLACA SOP.DCHA.SEÑALIZACION MULTIPLE
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	70800904	PLACA SEÑALIZACION MULTIPLE
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	70800910	SOP.SEÑAL.VBC/MAXIDISC
60000224	TORN.EXAG.DIN-931 12* 90 10.9 ZINC.	70800912	BRAZO SEÑAL.VBC/MAXIDISC PLEG.
60000297	TORN.EXAG.DIN-931 6* 10 8.8 ZINC.	70800915	PLACA AMARRE.SOP.SEÑAL.VBC/MAXIDISC
60000370	TORN.EXAG.DIN-933 14* 35 8.8 ZINC.	73204900	BULON D=16*150mm.REG.RDA.DOBLE



FRONT TRAILER KIT

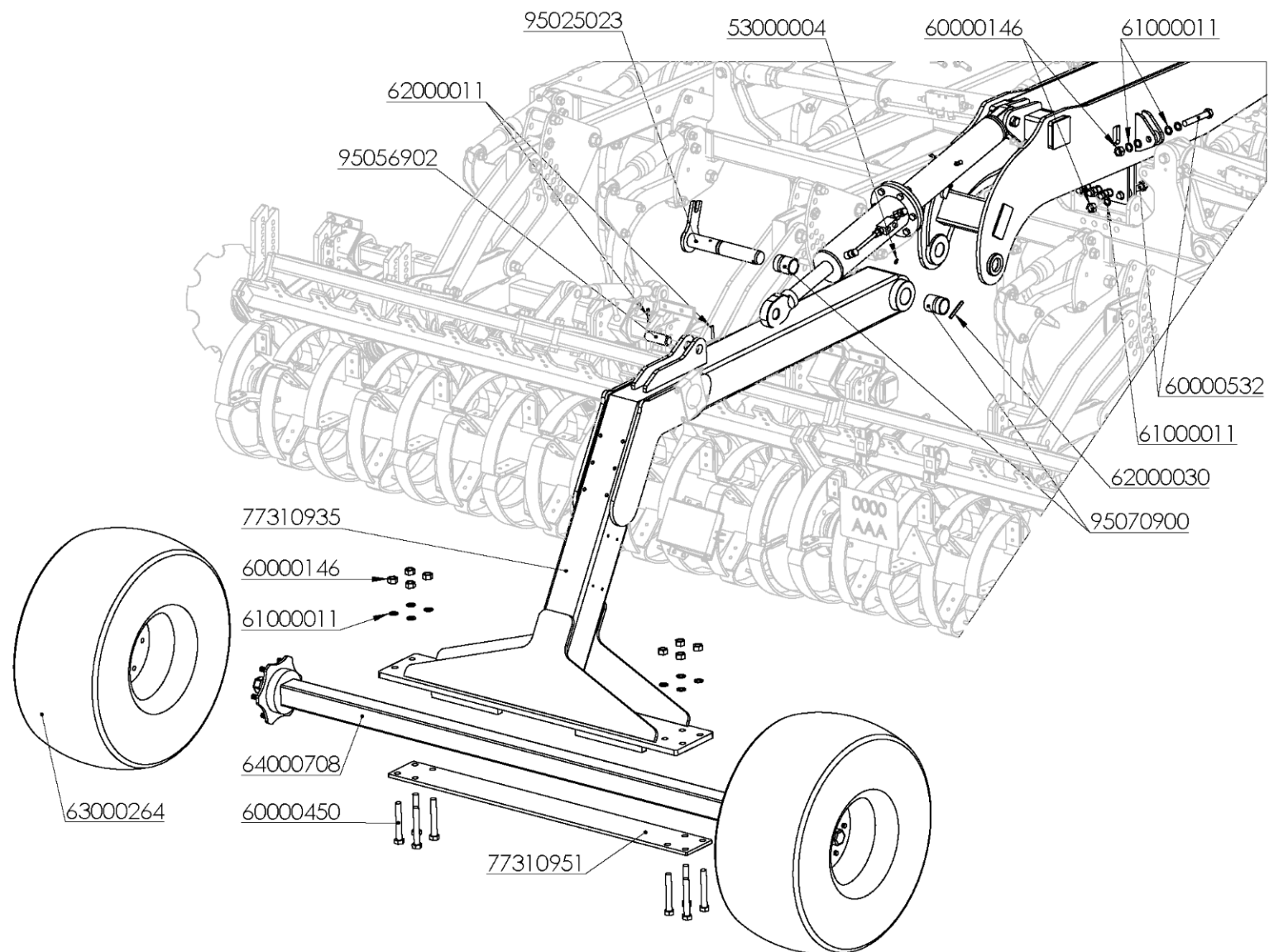


FRONT TRAILER KIT

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000105	ENGRASADOR MT-503 10*150	64000323	CONTRATUERCA M-39
53000330	ENGRASADOR MT-506 90ø 8*125	64000716	CADENA SEGURIDAD KIT ARRASTRE
53000368	SOPORTE LATIG.TORRETA 4 HUECOS ZINC.	64000734	CANDADO SEGURIDAD LATON IFAM K-40 AL PARA SS
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.	70060903	ARAND.P/BULON PLEG.CH/MCH/DISC
60000064	TORN.EXAG.DIN-931 12* 50 10.9 ZINC.	70060905	BULON D=40*244mm.ARRASTRE MAXIDISC
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	75009900	BULON D=20*255mm.REG.RDA.CH ZINC.
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	77311911	CASQ.D=70/50/37/26*52mm.LANZA VBC
60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.	77311935	LANZA TIRO VHC
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	77311936	CASQ.D=70/50/37/26*54mm.LANZA VHC
60000279	TORN.EXAG.C/LAR.1"*135 SAE 12.9 GEOMET	77311990	PLACA CADENA KIT ARRASTRE
60000356	TORN.EXAG.C/LAR.1"*240 SAE 12.9	77312001	PLACA ROTULA VBC/MAXI/EURODISC
60000532	TORN.EXAG.C/LAR. 20* 130 10.9 ZN.	77312900	ROTULA VBC/MAXI/EURODISC
61000031	ARAND.STANDAR S/BISEL CL-26 ZINC.(50x27x3)	77312901	CASQ.D=45/26*150mm.ROTULA MAXIDISC
61000051	ARAND.DIN-125 10 ZINC.	77313910	BALANC.VBC/MAXI/EURODISC CAT.III
62000004	PASADOR ANILLA 10 ZINC.	77314930	CUERPO TENSOR VBC/EURODISC (D/19)
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	77315920	PEON VBC/EURODISC
62000526	PASADOR ANILLA LATERAL 16 ZINC.	90006930	BULON D=40/36*145mm.ENGANCHE MAXI/EURO/VBC CAT-III
64000219	BRAZO IZQD.C/ROT.32mm 30354	95001935	BULON D=31,2*115mm.3er.PTO.PENT.CAT.III (D/02)
64000322	BRAZO DCH.C/ROT.32mm 30353	95070910	CASQ.D= 48/40*50mm.CEM.ARTIC.KIT ARRASTRE



REAR TRAILER KIT

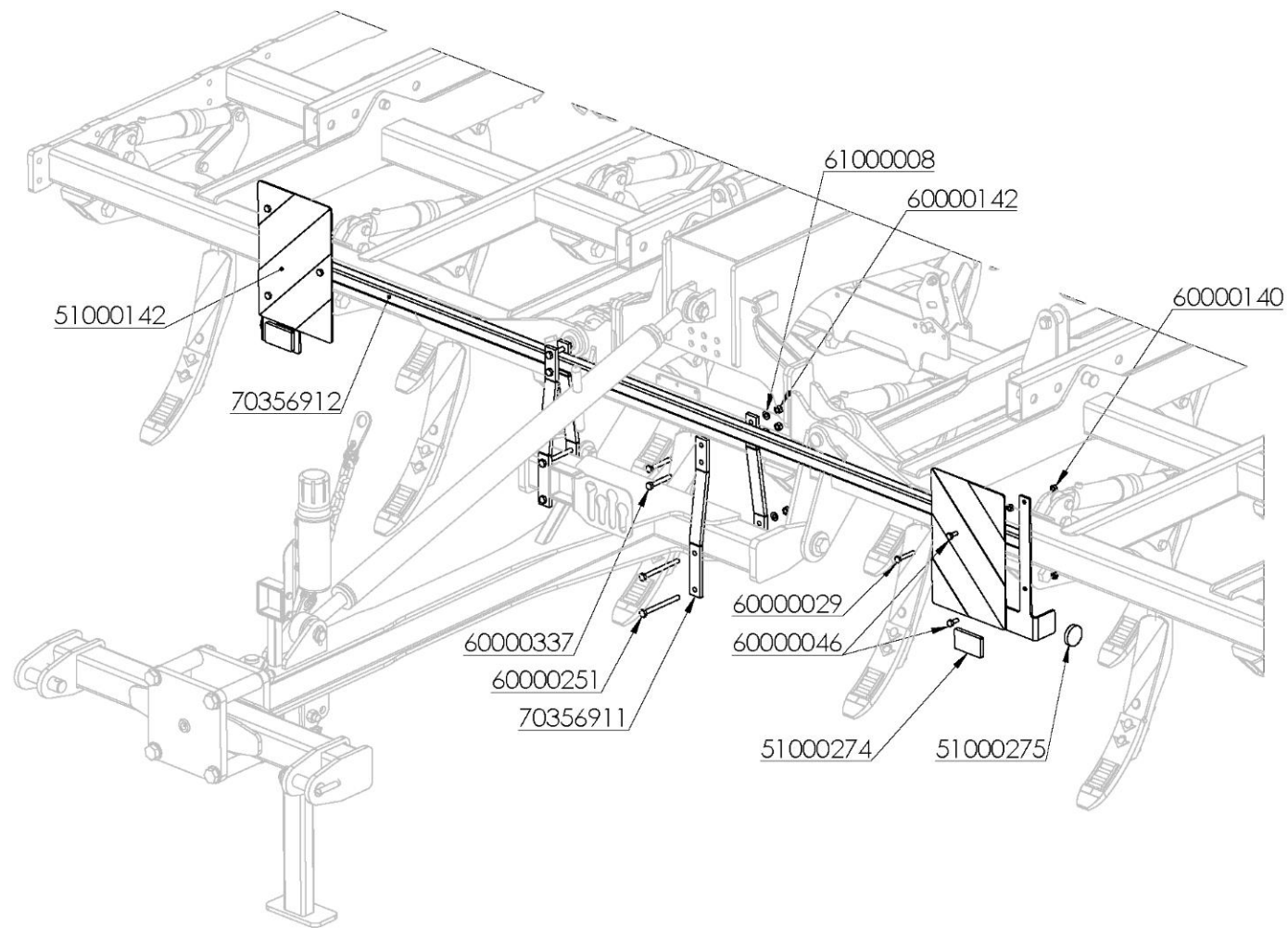


REAR TRAILER KIT

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000004	ENGRASADOR ACØ DIN-71412 8*125	63000264	PAR R.N.C/ATAQUE 500/50-17"-18PR DCH+IZQ. 6 ESPARR
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	64000708	EJE RECTO S/F-80-70-300-60-16020-2450BL
60000450	TORN.EXAG.DIN-931 20*140 8.8 ZINC.	77310935	ARBOL RDA.VBC/VHC (D/19)
60000532	TORN.EXAG.C/LAR. 20* 130 10.9 ZN.	77310951	PLACA INF.EJE ARBOL RDA.MAXIDISC (D/19)
61000011	ARAND.DIN-125 20 ZINC.	95025023	BULON D=50*342mm.
62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.	95056902	BULON D=34,8*100mm.CILIND.VOLTEO SS + GEOMET
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.



FRONT SIGNALING KIT

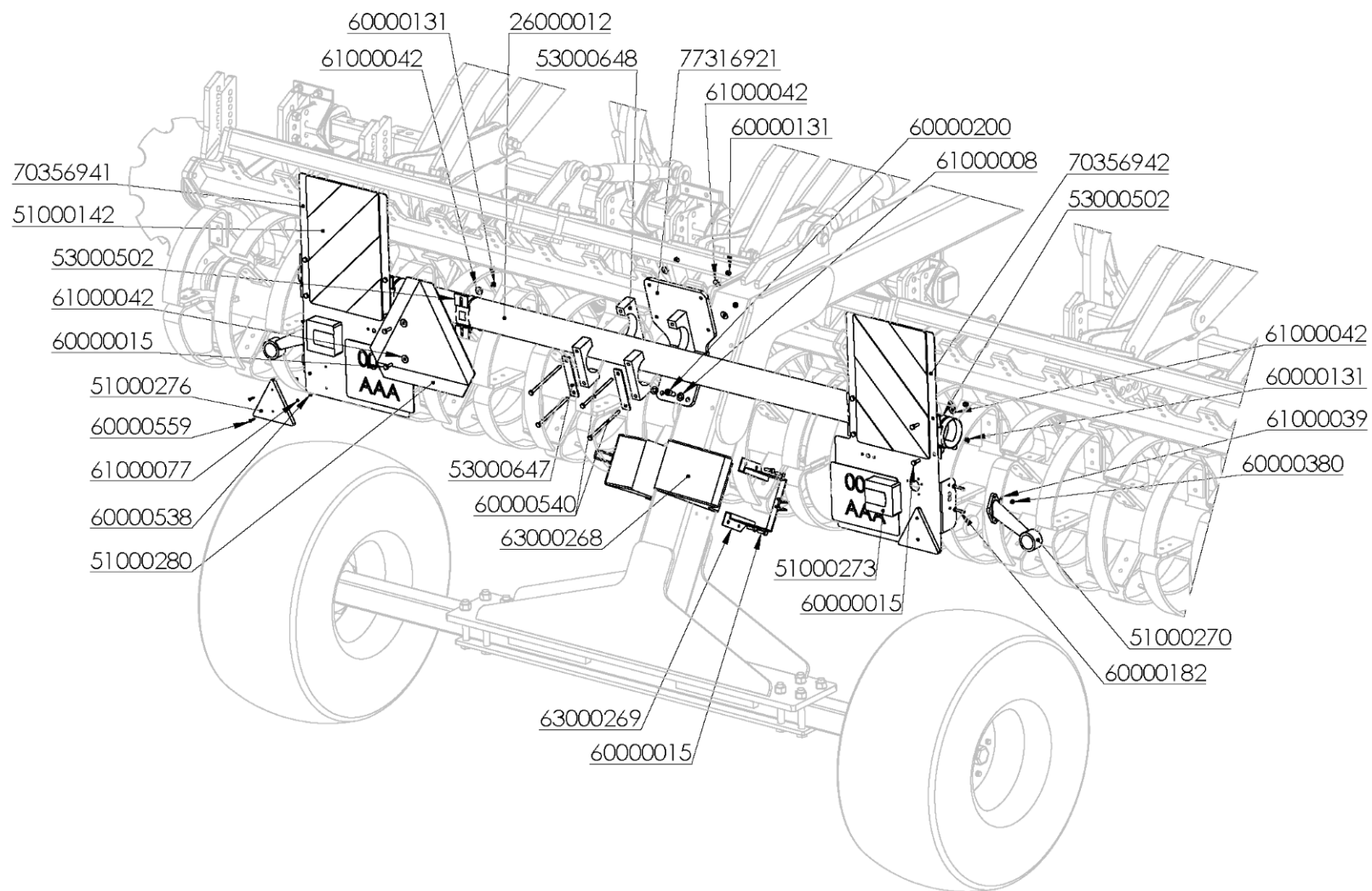


FRONT SIGNALING KIT

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000142	PANEL PLACA 423x282 (PAREJA) 1220128	60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.
51000274	CATADIOPTICO BLANCO 04026	60000251	TORN.EXAG.DIN-931 12*140 8.8 ZINC.
51000275	CATADIOPTICO AMBAR 04007	60000337	TORN.EXAG.DIN-931 12* 80 8.8 ZINC.
60000029	TORN.EXAG.DIN-931 10* 60 8.8 ZINC.	61000008	ARAND.DIN-125 12 ZINC.
60000046	TORN.EXAG.DIN-933 10* 25 8.8 ZINC.	70356911	LLANTA SOP SEÑALIZACION FRONTAL MAXIDISC
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	70356912	SOP.SEÑALIZACION FRONTAL EURODISC



REAR SIGNALING KIT

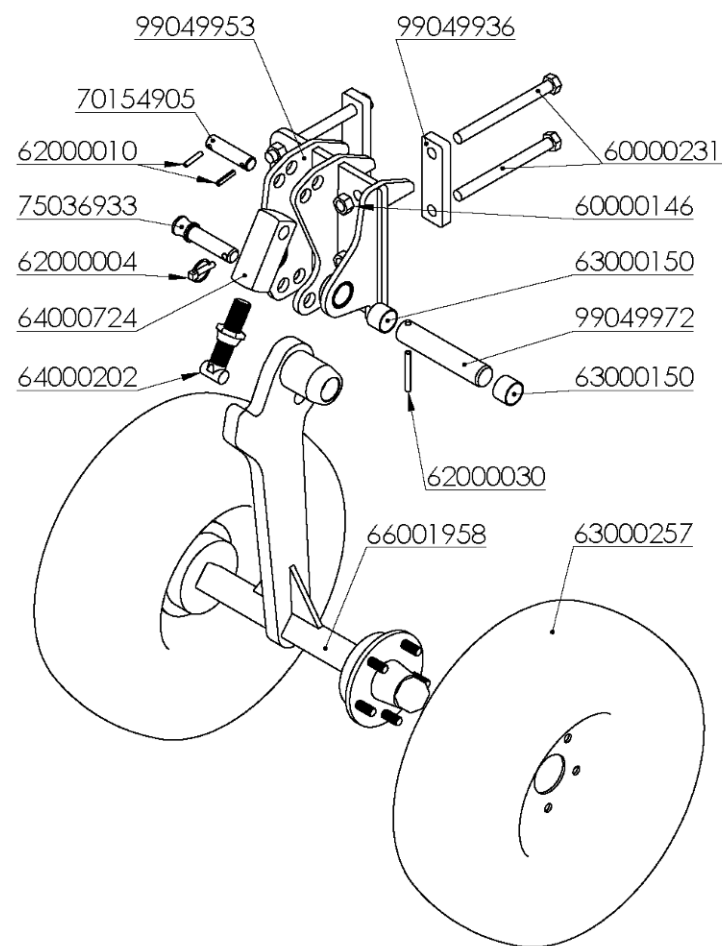


REAR SIGNALING KIT

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
26000012	M.TUBO LAMIN.FRIO GALV.D=88,9*2mm.	60000380	TUER.AUTO.DIN-985 6 8.8 ZINC.
51000142	PANEL PLACA 423x282 (PAREJA) 1220128	60000538	TUER.AUTO.DIN-985 4 8.8 ZINC.
51000270	CUERNO GALIBO LED LARGO 195X118 - FT009E	60000540	TORN.EXAG.DIN-931 8*150 8.8 ZINC.
51000273	PILOTO TRASERO LED 02007IZLED3 IZQ.	60000559	TORN.EXAG.DIN-7991 4* 20 8.8 ZINC.
51000276	TRIANGULO ROJO 04010	61000008	ARAND.DIN-125 12 ZINC.
51000280	PANEL PLACA V-5 VEHICULO LENTO 06050	61000039	ARAND.DIN-125 6 ZINC.
53000502	ABRAZ.ACUMULADOR 80/88 MPC	61000042	ARAND.DIN-9021 8 ZINC.
53000647	PLACA RFZO ABRAZADERA KIT SEÑALIZACION	61000077	ARAND.DIN-125 4 ZINC.
53000648	ABRAZ.2 TORN.D.88,9 SER. (C9-88-9) KIT LUCES	63000268	CALZO AL-KO ZINCADO 5000kg TIPO UK 46 St
60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.	63000269	SOPORTE CALZO AL-KO ZINCADO TIPO HA-46 St COD:244
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	70356941	PLACA IZQ. SEÑALIZACION MAXIDISC (D/18)
60000182	TORN.EXAG.DIN-931 6* 35 8.8 ZINC.	70356942	PLACA DCH. SEÑALIZACION MAXIDISC (D/18)
60000200	TORN.ALLEN DIN-912 12* 25 8.8 ZINC.	77316921	PLACA SOPORTE BARRA LUCES FRANCIA



FRONT WHEELS

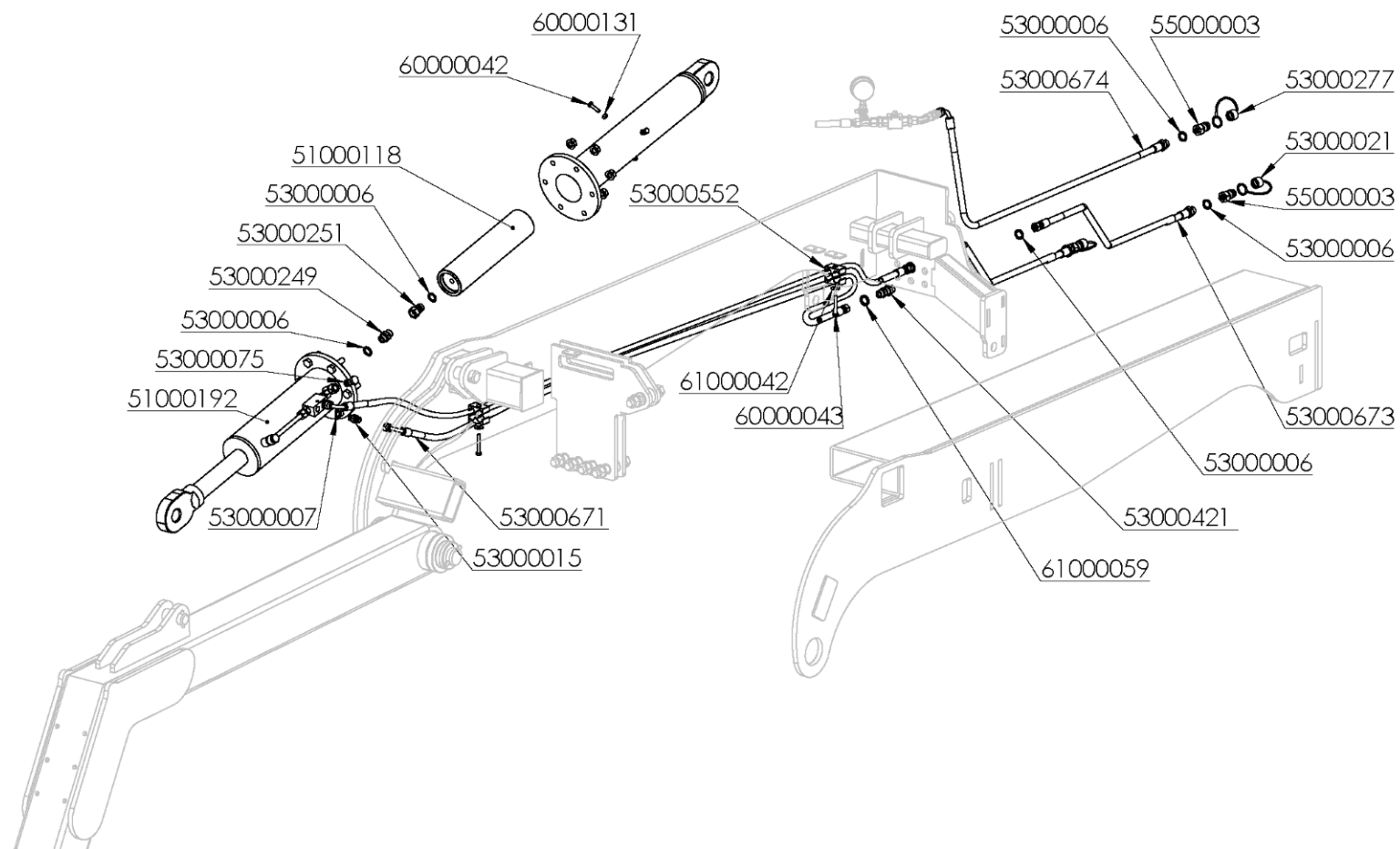


FRONT WHEELS

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	64000724	SOP.TOPE MOVIL RDA.C/T NH ZINC.
60000231	TORN.EXAG.C/LAR.20*225 12.9	66001958	BRAZO IZQD.RDA.DOBLE NEUM.(200/60) EURODISC (D/21)
62000004	PASADOR ANILLA 10 ZINC.	70154905	BULON D=25*110mm.CILIND.MINI/GRADA/MCH
62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.	75036933	BULON BRAZO RODILLO VHC
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	99049936	LLANTA AMARRE RDA.DELANTERA EURODISC
63000150	CASQ.FRICCION PAP 4030 P10	99049953	SOP.IZQD.RDA.DELANTERA EURODISC
63000257	R.N.C/ATAQUE 200/60*14,5"-10PR	99049972	BULON D=40*200mm.BRAZO RDA.MCH-A
64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.		



TRAILER KIT HYD SYSTEM

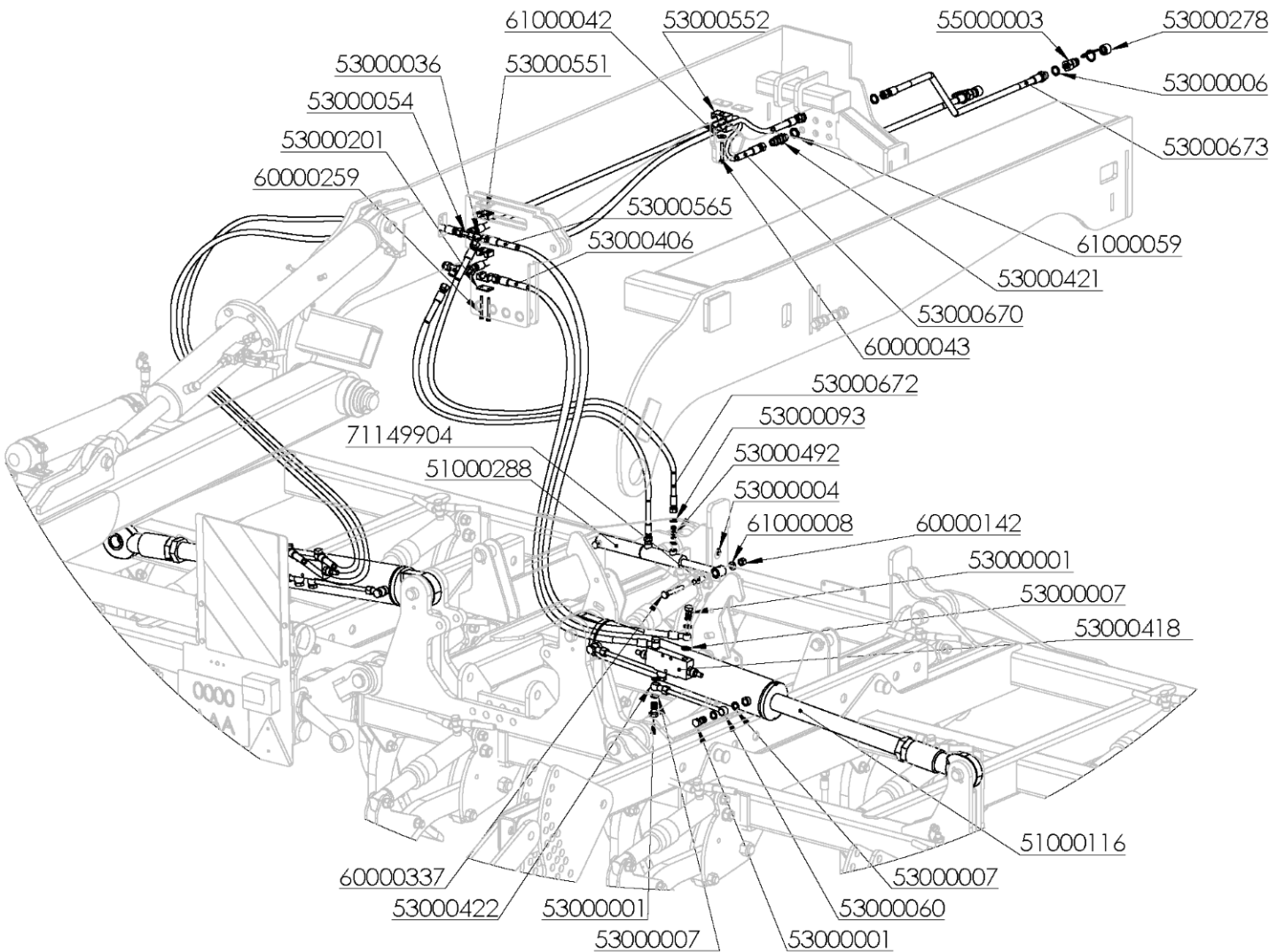


TRAILER KIT HYD SYSTEM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000118	ACUMULADOR PISTON PO10A34N1-AC RAL-7047	53000552	ABRAZ.DOBLE LAT.PREMIER 3/8
51000192	CILIND.ELEV.RDAS.50/110/210 VBC	53000671	LATIG.PREMIER-3/8* 3100mm.TL-18/CTL-3/8
53000006	JUNTA METAL/GOMA 1/2" 11603	53000673	LATIG.PREMIER-3/8*3600mm.MF-1/2/TL-18
53000007	JUNTA METAL/GOMA 3/8" 11602	53000674	LATIG.PREMIER-3/8*3750mm.MF-1/2/CTL-3/8
53000015	UNION MACHO 3/8 4062	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR	60000042	TORN.EXAG.DIN-933 8* 30 8.8 ZINC.
53000075	TORNILLO SIMPLE 3/8 REDUCTOR 4022-T	60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.
53000249	UNION MACHO 1/2 4063	60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.
53000251	UNION MACHO-TL 1/2 4313	61000042	ARAND.DIN-9021 8 ZINC.
53000277	PROTECTOR E.R.MACHO 1/2" AZUL 5029-4PB	61000059	ARAND.DIN-6798-A 18
53000421	PASATABIQUES 18*1,5 12L		



AUTOMATIC FOLDABLE LOCK



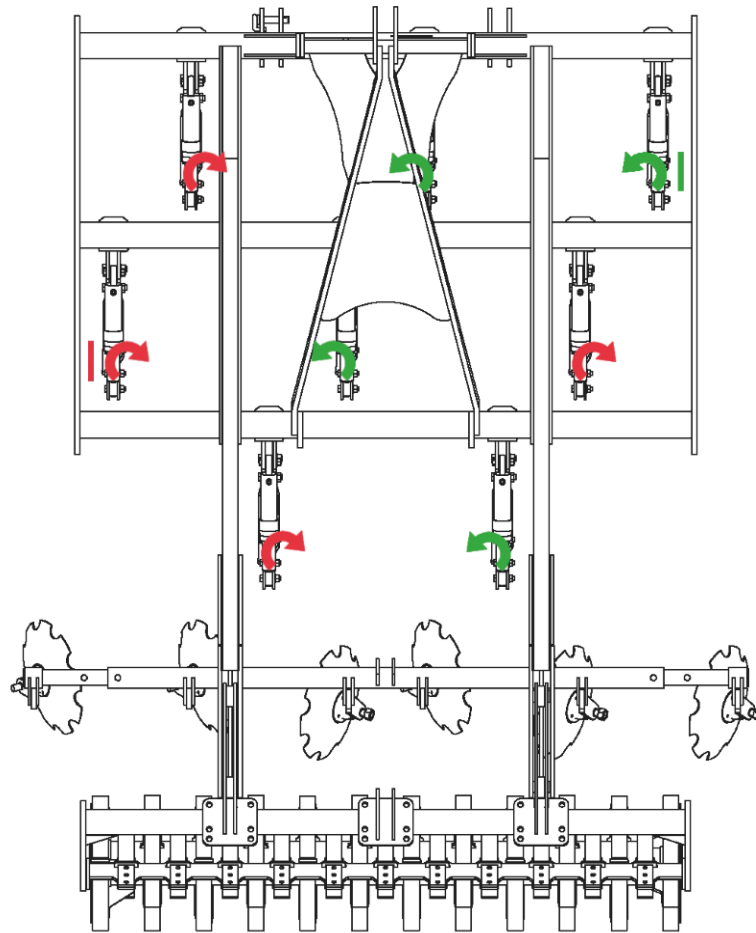
AUTOMATIC FOLDABLE LOCK

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000116	CILIND.PLEG.MCH/DISC/FENIX 50/100/500	53000492	UNION MACHO 1/4
51000288	CILINDRO CASQUILLO D.E. 20/32/50	53000551	ABRAZ.SIMPLE LAT.PREMIER 3/8
53000001	TORNILLO SIMPLE 3/8 4022	53000552	ABRAZ.DOBLE LAT.PREMIER 3/8
53000004	ENGRASADOR ACØ DIN-71412 8*125	53000565	LATIG.PREMIER-3/8* 680mm.OR-3/8/TL-18
53000006	JUNTA METAL/GOMA 1/2" 11603	53000670	LATIG.PREMIER-3/8* 1680mm.TL-18/TL-18
53000007	JUNTA METAL/GOMA 3/8" 11602	53000672	LATIG.PREMIER-1/4* 1000mm.TL-18/TL-1/4
53000036	TE UNION IGUAL 12 T12-L	53000673	LATIG.PREMIER-3/8*3600mm.MF-1/2/TL-18
53000054	TE C/TCA.LOCA LATERAL 12 EVL12-PL	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000060	ESFERICO 3/8" TUBO 12mm.L=400 4002E2	60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.
53000093	JUNTA METAL GOMA 1/4 11601	60000142	TUER.AUTO.DIN-980 12 8.8 ZINC.
53000201	PLACA RFZO.AB.SIMPLE 15/18 DP2	60000259	TORN.EXAG.DIN-931 6* 65 8.8 ZINC.
53000278	PROTECTOR E.R.MACHO 1/2" AMARILLO 5029-4PY	60000337	TORN.EXAG.DIN-931 12* 80 8.8 ZINC.
53000406	LATIG.PREMIER-3/8* 550mm.OR-3/8/TL-18	61000008	ARAND.DIN-125 12 ZINC.
53000418	VALV.OVERCENTER VBCD 3/8 DE-A V0422	61000042	ARAND.DIN-9021 8 ZINC.
53000421	PASATABIQUES 18*1,5 12L	61000059	ARAND.DIN-6798-A 18
53000422	ESFERICO 3/8" + UNION TUBO/TUBO 12 4002E+12L	71149904	SEP.TUBO 18*14*41mm.



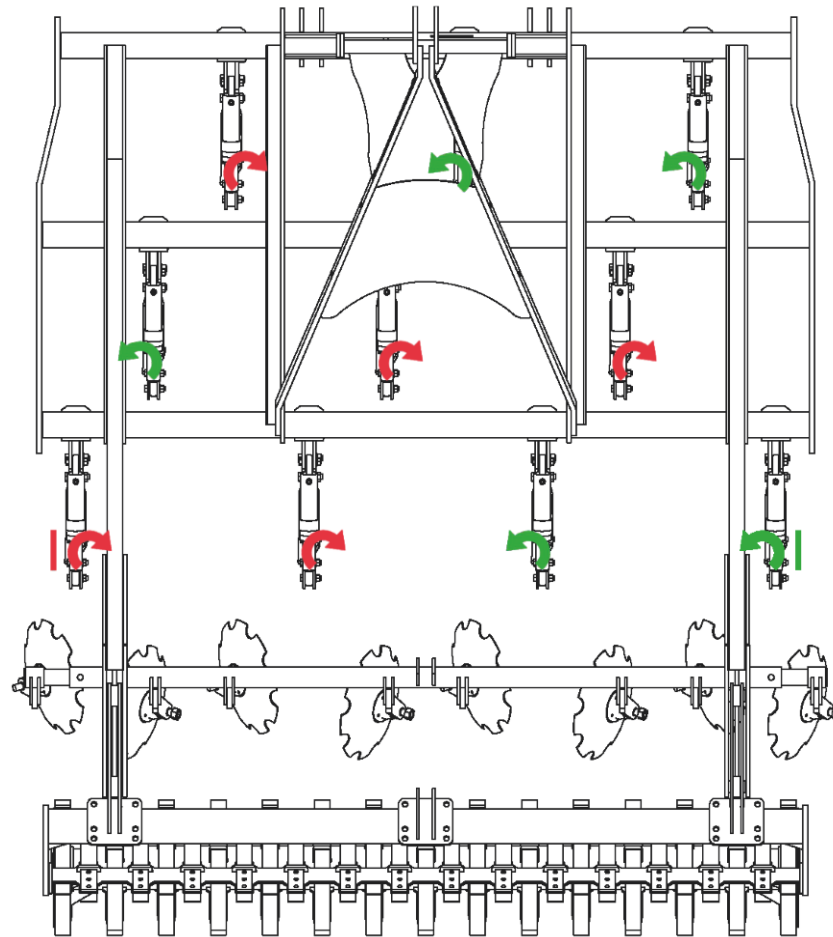
VERSATILL 3-8

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 64000619	 64000620



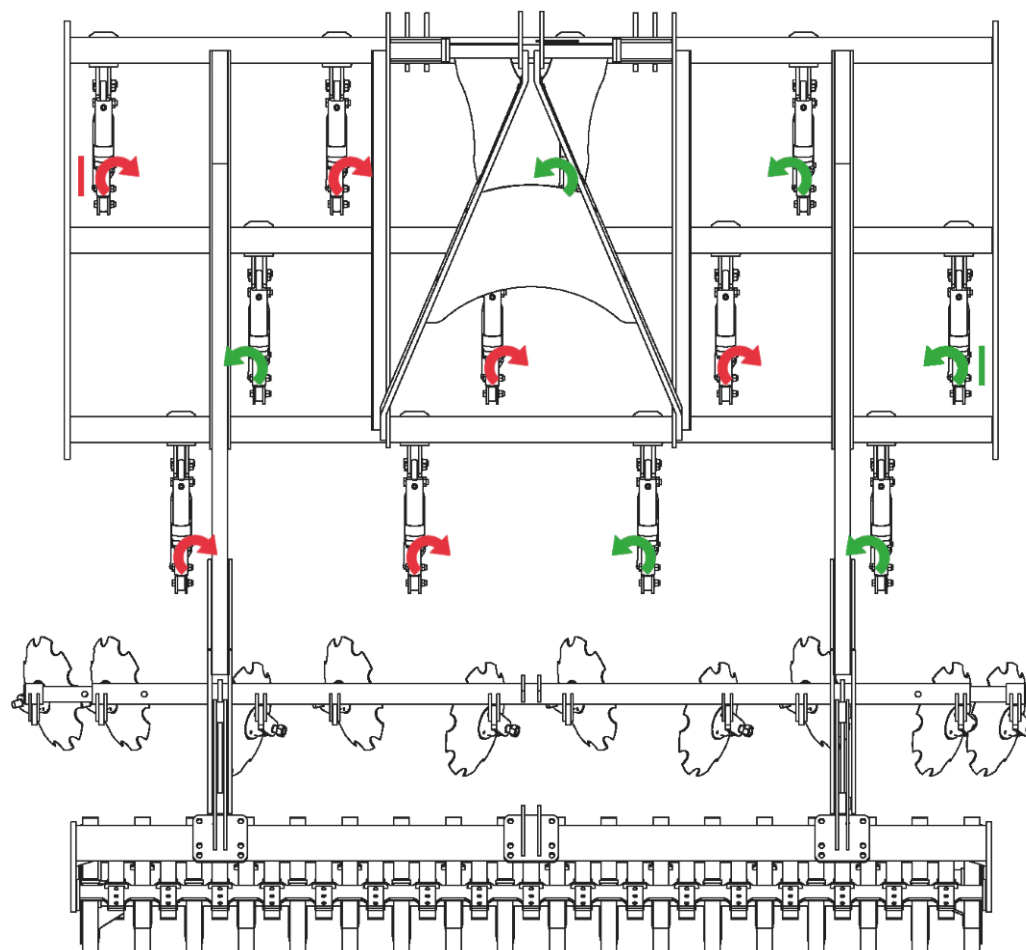
VERSATILL 3-10

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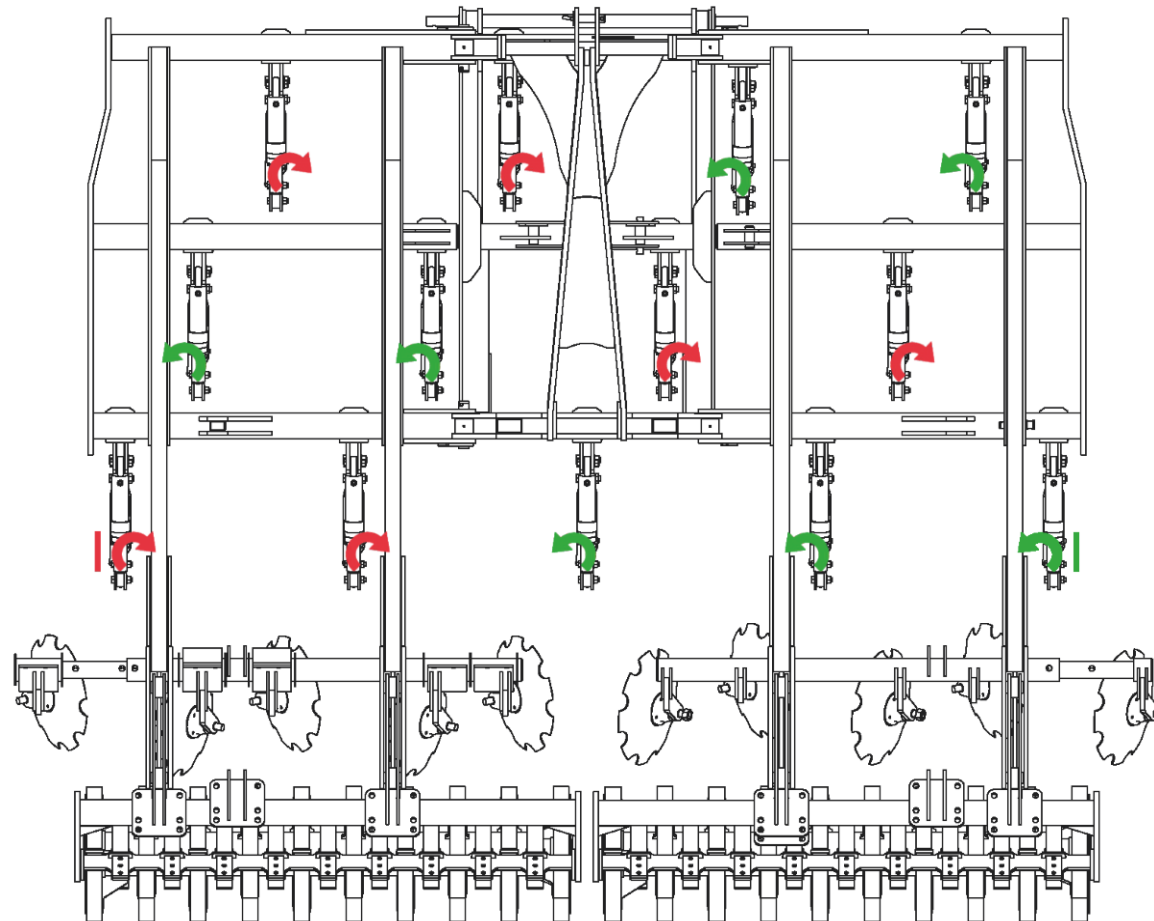
VERSATILL 3-12

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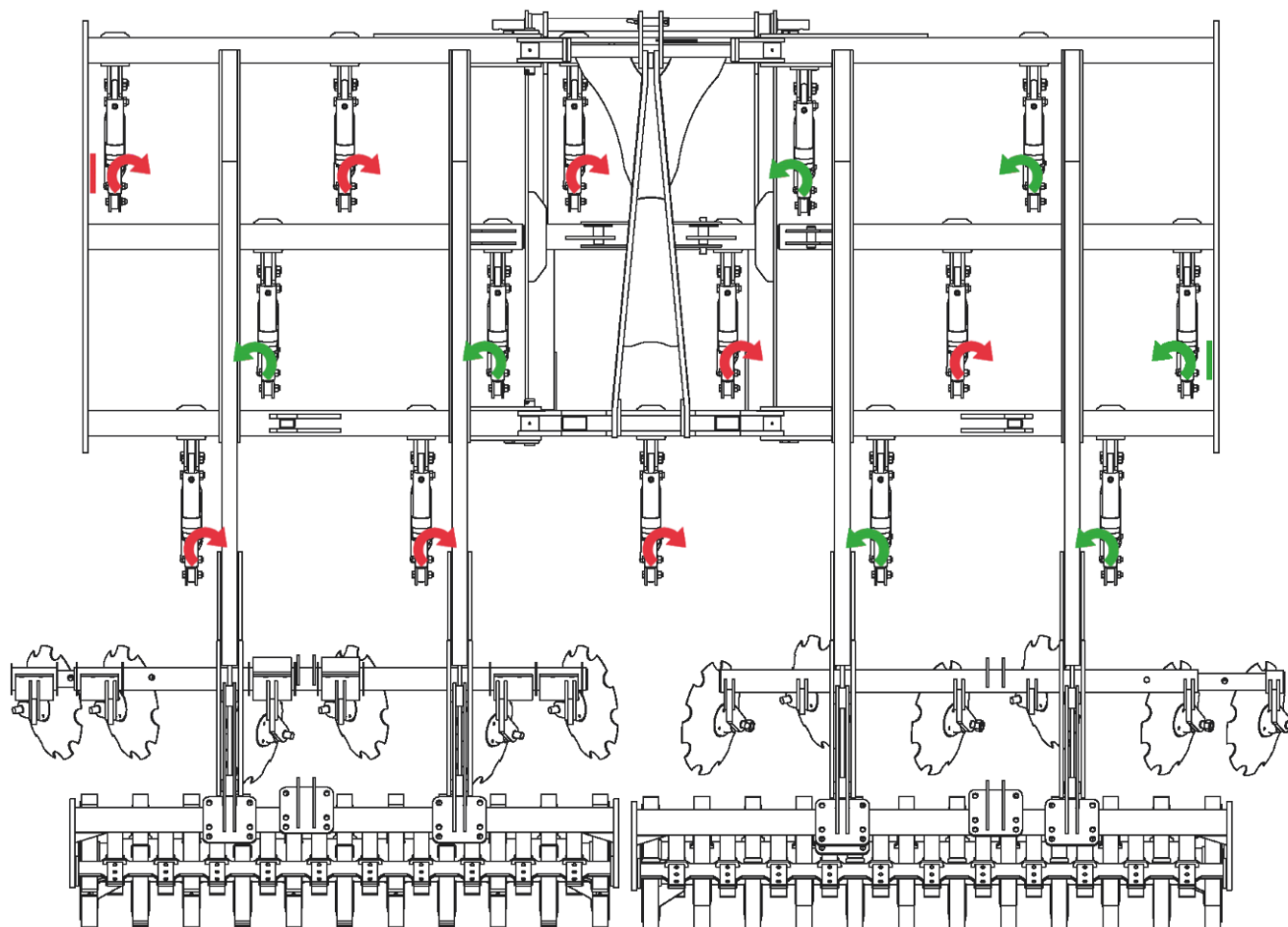
VERSATILL 3-13-P

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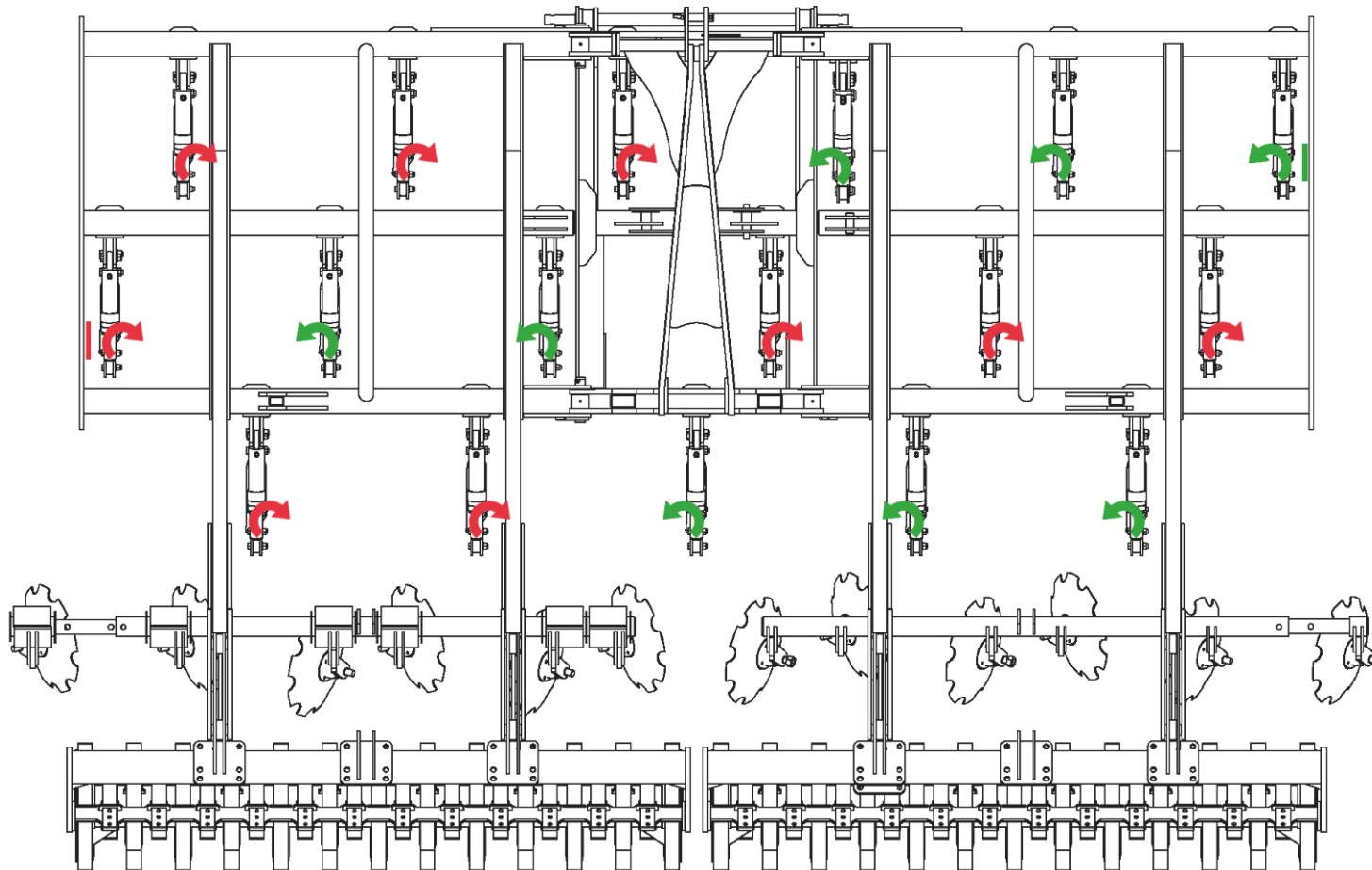
VERSATILL 3-15-P

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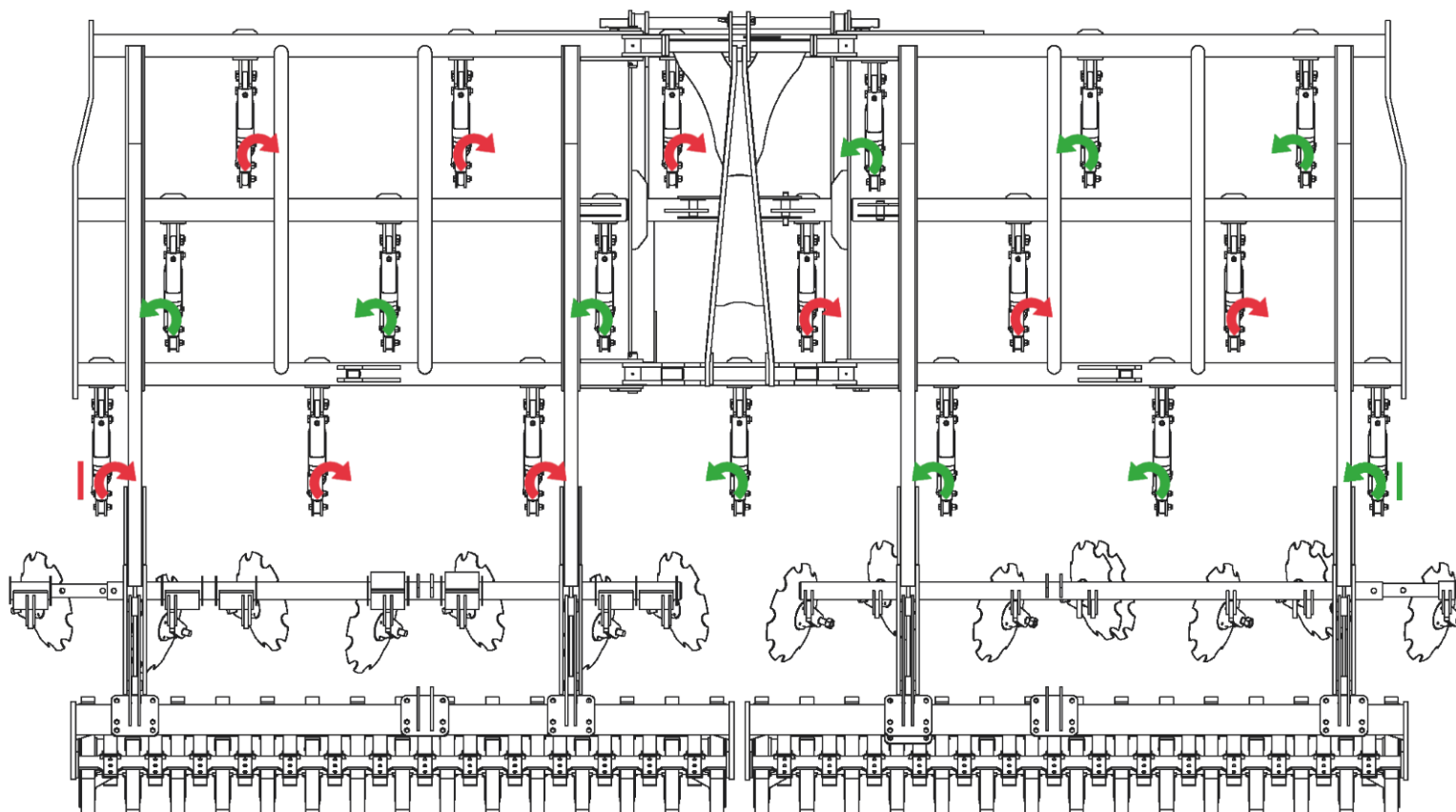
VERSATILL 3-17-P

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 64000619	 64000620



VERSATILL 3-19-P

 64000327	 64000328
 64000619	 64000620







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