

MINI-SH/SF

REV 2022



INSTRUCTIONS MANUAL AND SPARE PARTS LIST



CONGRATULATIONS!

You have just purchased a Mini-S from Ovlac.

As the country's largest producer of agricultural machinery for tillage and 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.

Sincerely yours: 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 MINI-N, 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.



INDEX

1.- Security rules	3
2.- Description and technical data	6
3.- Non-Stop Security Systems	8
4.- Start up	9
4.1.- Linking to the tractor	9
4.2.- Hydraulic connections	10
4.3.- Working bodies	10
4.4.- 1st body working width	11
4.5.- Allignment	11
4.6.- In/Out of furrow adjustment	12
4.7.- Workind depth de	12
4.8.- Turn	13
4.9.- Other adjustments	13
5.- Transport and parking	14
6.- Welding instructions	15
7.- Maintenance	16
8.- Maintenance Plan	17
9.- Optional gear	18
10.- Spare parts	19



1.- Security 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

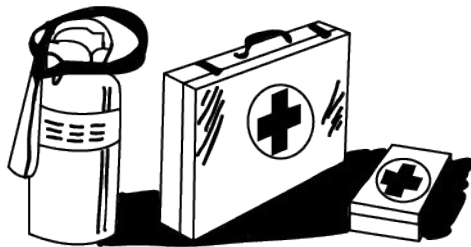
Before starting to work, read the instructions in the manual.

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.



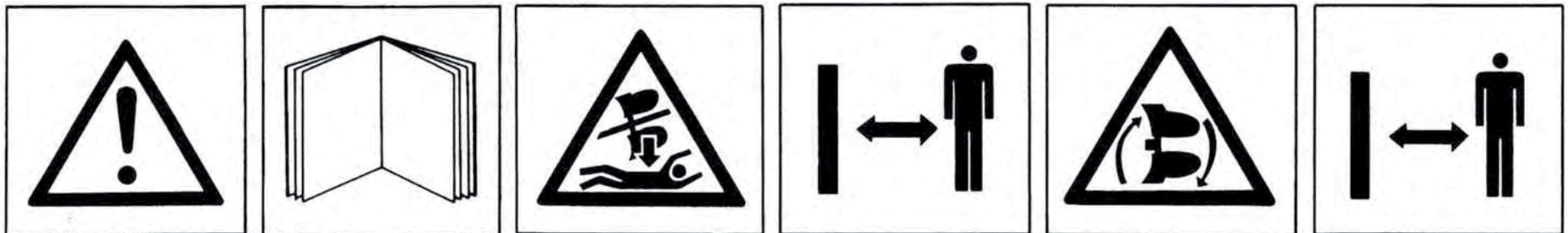
To be ready in case of an emergency

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.



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 bending, 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.

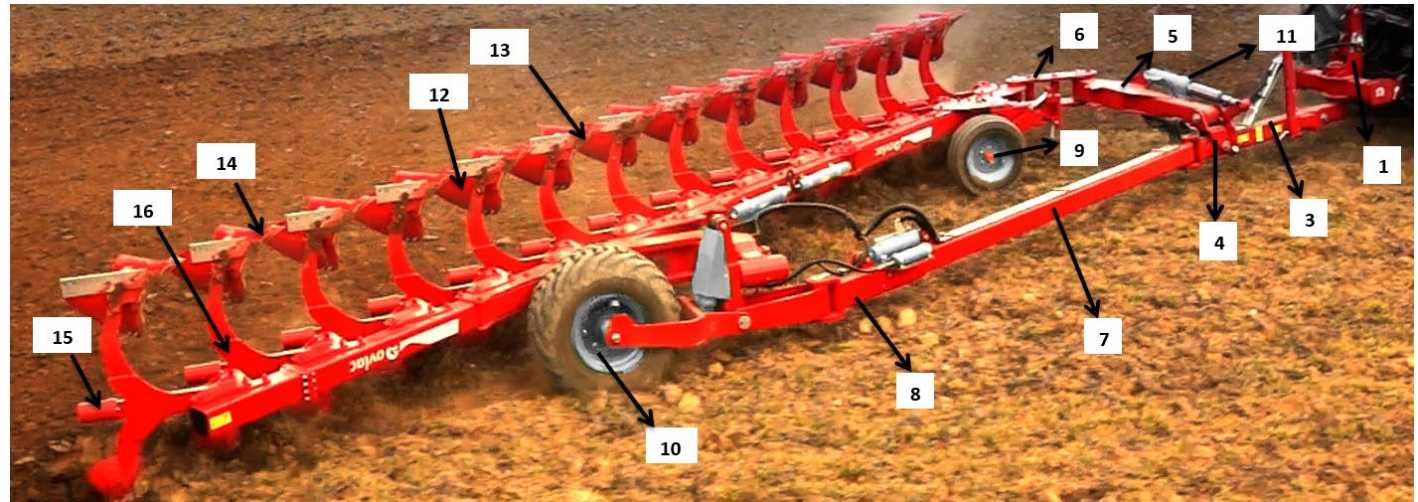
6 It is strictly forbidden to cool welding seams with water, air or any other substance.

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. SPEAR
4. KNEECAP
5. TURNING CONECTION
6. HAIRPIN
7. FRAME
8. TELESCOPIC FRAME
9. ADVANCED WHEEL
10. REAR WHEEL
11. TURNING CYLINDER
12. WORKING BODY
13. POINT SHARE
14. SHARE
15. HYDRAULIC SYSTEM
16. ANCHOR



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

*2. IDENTIFICATION PLATE



Technical Data

MODELS	MINI-S 12 / 12+1
Working Width	4,60 / 4,98
Recommended Power (HP)	250 - 325
Inter-body distance	66 cm
Underbeam clearance	72 cm
Weight (kg) no options	See pricelist
Standard front wheel	250/65 14,4" 12 PR
Standard Rear wheel	500/50 17" 18 PR
Frame	150 x 150 mm

MODELS	SECURITY	EXTENSIBILITY	WORKING WIDTH	WEIGHT (KG)
MINI-SF-12	Shearbolt	1	460 cm	4286
MINI-SF-12+1	Shearbolt	NO	498 cm	4436

MODELS	SECURITY	EXTENSIBILITY	WORKING WIDTH	WEIGHT (KG)
MINI-SH-12	Hydraulic	2	460 cm	4680
MINI-SH-12+1	Hydraulic	1	498 cm	4865



3.- Non Stop and Shearbolt Security Systems

SF Models: Security guaranteed through shearbolts. When the point meets an obstacle it breaks in order to allow the tine to turn over its placing. In order to continue the labor you must rearrange the tine again and change the shearbolt F (Fig. 1).

NOTE: Ovlac shearbolts are calculated to break at a certain pressure. It is important to use original shearbolts. The use of other kind of bolts fully cancels any warranty the machine may had.

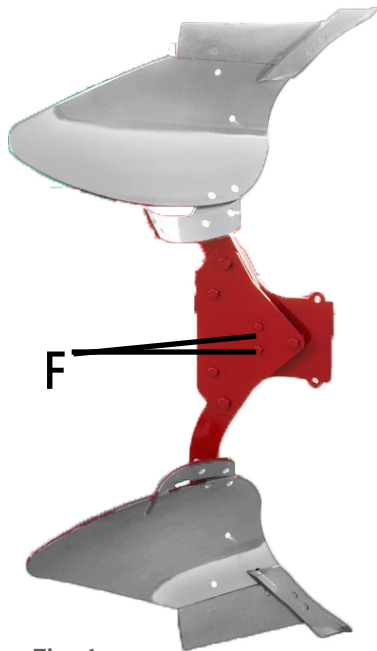


Fig. 1



Fig. 2

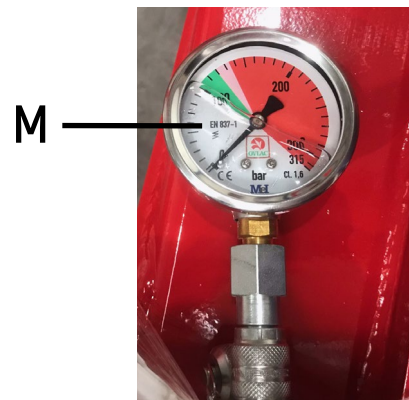


Fig. 3

Models SH: "Non-Stop" Hydraulic Security System works automatically. When the point meets an obstacle, the system gives up, allowing the tine to lift up and save the obstacle, getting back its original position without stopping the tractor. (Fig. 2) In the HYDRAULIC models, in order to adapt the plough to the conditions of the terrain, you may regulate the trigger pressure by injecting (hard terrains) or retiring (soft terrains) oil from the circuit and modifying the pressure in the whole system. This operation is done from the tractor's cabin through the pressure gauge M, supplied for such purpose, after opening the key L (Fig. 4).

The key L closes in parallel position to the tube, opposite to the normal, in order to avoid any object at the terrain impacts against it while laboring, causing an opening on the circuit.

Important: always works with a pressure in between 100 and 135 bars.

NOTE: OVLAC Non-Stop security systems are regulated in factory with an optimum pressure for mid hardness terrains. **IMPORTANT:** always work with a pressure in-between 100 and 135 bars. Maximum working pressure is 140 bars.

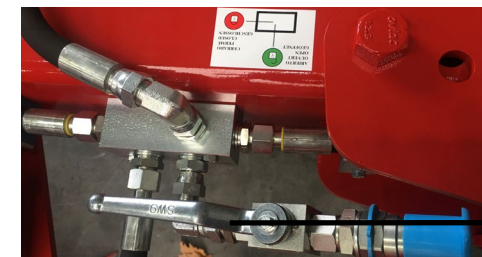


Fig. 4



4.- Turn Up

4.1 - Linking and unhooking

Before linking the plough check:

- Tractor arms are regulated at the same length and height.
- Tractor wheel must have identical pressure adequate to the manufacturer rules.
- Tractor arms must be centered with a slight margin for oscillating.

In order to link follow the next steps:

- Link the lower arms to the linking bolts CAT.III –distance between centers 1.025mm
- Link the 3rd point watching that the axis E (Fig. 6) remains the most vertically possible.
- Place the pawn P in working position P1 (Fig.7).
- Link the hoses to the tractor's hydraulic system.
- Make sure that the fastening chain from the headstock it's free.

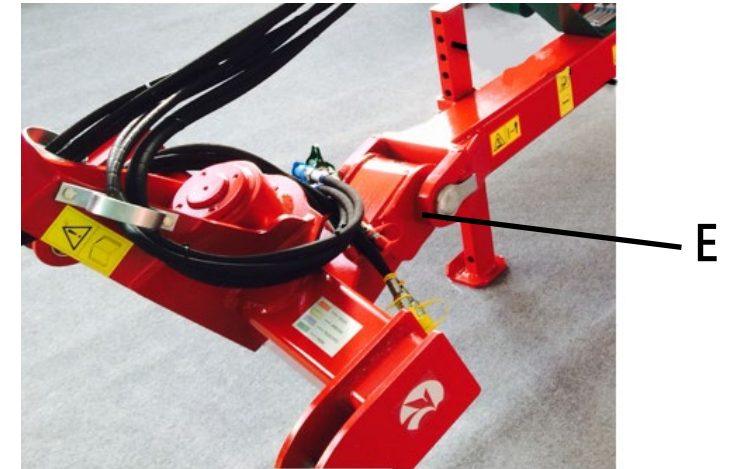


Fig. 6

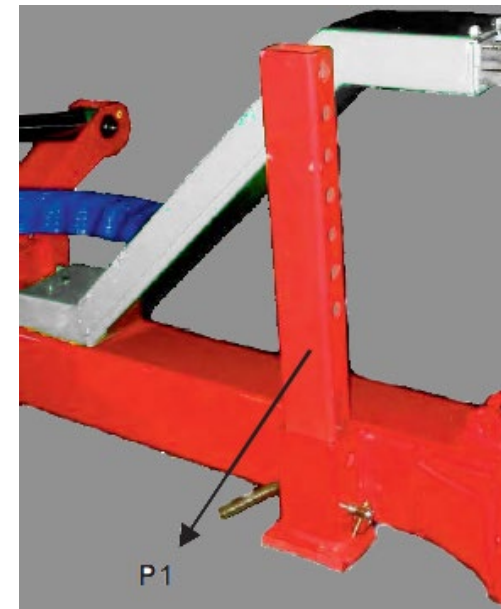


Fig. 7



For unhooking the plough you must:

- Place the pawn in P position (Fig.8).
- Lower the frontal part a bit (tractor's link elevator), and play with the wheel of the plough, place the plough on the ground so the bolts of the shaft remain horizontal to the ground. By doing this the un-hooking and the next hooking will be easier.
- Check that the holding chain prevents the free move of the shaft. (Fig. 9)
- Relieve the pressure from the tractor's hydraulic system.
- Unplug the tractor' hoses and place them at the holders of the plough.
- Unplug the third point and the lower arms.



4.2 - Hydraulic connections

In this type of plough, 4 double effect controllers are required for the next operations:

- Turning.
- Regulation of the working depth.
- Regulation of the 1st body width.
- Regulation of the position of the retracted frame.

4.3 - Working bodies

Eliminate the layer of paint from the working bodies before starting any labor, in order to avoid sticky soils.



4.4 - 1st body width Adjustment

The 1st body width is regulated standardly hydraulic through the cylinder A (Fig.11), The more retracted the cylinder gets, the more space between tractor and furrow.

IMPORTANT: IT'S RECOMMENDED TO HAVE THE CYLINDER A ON ITS SHORTEST POSITION, AS INDICATED IN FIG.11

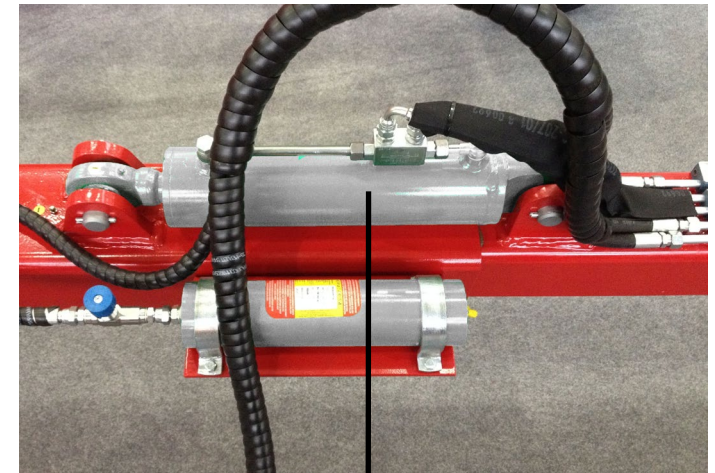


Fig. 11

A

4.5 - Alignment

While laboring, the plough must work parallel to the tractor's path. It's recommended for the inner width in-between wheels to be 130 to 150 cm. In order to avoid the side-drift of the plough, it's recommended to allow some space in the tractor arms. This move will be limited equally by both sides.



4.6 - Adjustment always out of the furrow

The labor on this kind of ploughs demands to work out of the furrow, always acting over the cylinder B (Fig.12). which must be retracted to its working position and stretched to make the turning maneuver and also for the transport. This cylinder is connected in a sequential way with the opening cylinder of the rear part, so when one's stretched, the other is retracted.

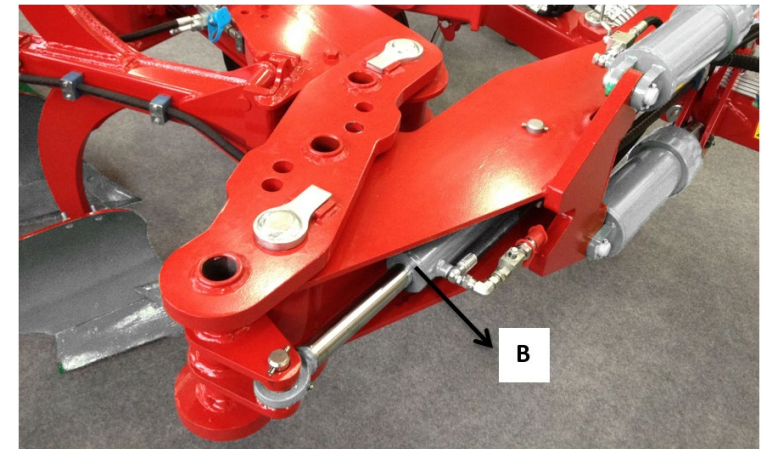


Fig. 12

4.7 - Working Depth

Working depth is regulated hydraulically through the cylinder C (Fig.13). Thorough mobile chocks D the optimal working depth is limited. As standard, a front wheel is equipped to help achieve a better control of the working depth of the whole plough. There's a relation between depth and width on work, which is convenient to respect for great results.

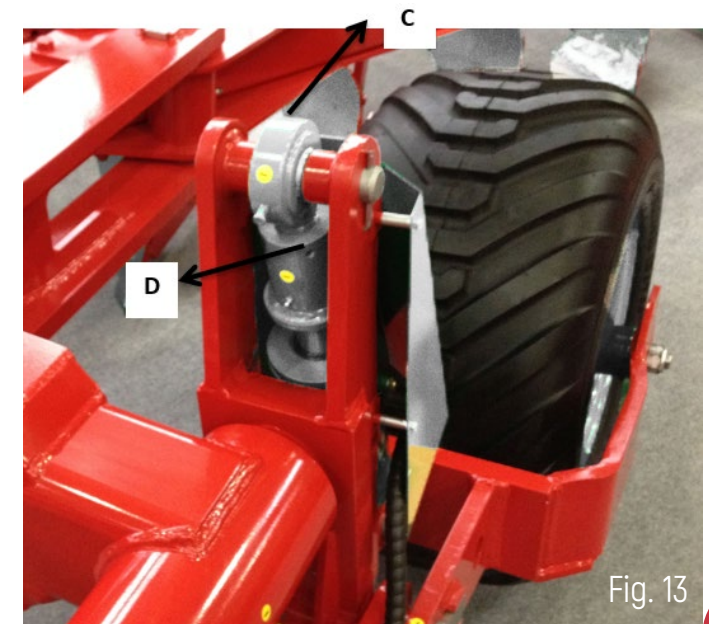


Fig. 13



4.8 - Turn

The turning of the plough it's made by acting hydraulically over the telescopic cylinders E (Fig.14), always must act previously on the cylinder B (Fig.12, pág. 12) this must be stretched for making the turning maneuver (aligning the most possible) diminishing the arm's pull as well as lowering the gravity center and prevent the overturning on the headstock's maneuver.



Fig. 14

4.9 - Other Adjustments

Must check that while working the anchors adopt a perpendicular position to the ground. For that, it's necessary that the tractor arms meet at the same height and act over the turning tops A under the turning cylinders (Fig.15).



Fig. 15



5.- Transport and parking

TRANSPORT: This plough is transported in half-turning position. The valves V must be closed to block the turning system (Fig.16), the cylinder B (Fig.12, pag. 12) straightened to the most, to align the plough as much as possible.

For the transport you must elevate the front part of the plough until there's enough distance in between the bolts or the linking rod, and the ground. Never have the cylinder C (Fig.13 pag. 12) of the wheel straightened to the most, always lower its maximum position a bit, so the standard hydraulic-shock-absorption system can act.

Remember that the supporting wheel of the plough goes in between the tractor ones, therefore you need to be cautious with possible obstacles when driving on the paths.



Fig. 16

PARKING: The support pawn P (Fig.17), assure an static position while parking. Place the blocking bolt on the hole that allows the linking rod or the bolts remain horizontal. While laboring the pawn must be in the position P1 (Fig. 18)



Fig. 17

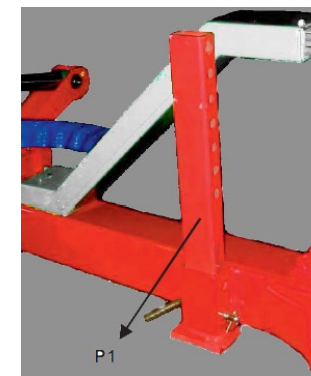


Fig. 18



6.- 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 bending, 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.



7.- Maintenance

Must check how tighten the bolts are after the first 2 hours of labor, specially the ones on the skimmers and shares. Afterwards, check every 100 hours of labor. By finishing the campaign, wash the plough and grease the skimmers to avoid rust.

Lubing: must grease regularly the turning points based on the conditions of the ambiental conditions, both dust and humidity, to assure that no waste of the machine happens. In the reversible ploughs it's recommended to grease, if the greasers allow it, once per each hand (clockwise and counter-wise), assuring that the grease, affected by gravity, it extends for the whole turn and not just from the greasing point to below.

Safe maintenance

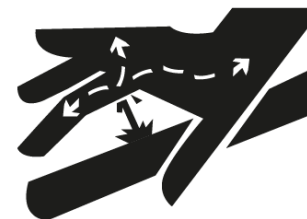
Get familiar with the maintenance procedures before doing any labor. The working area must be clean and dry. Not doing any greasing labor, repair or adjustment while the engine is running. Keep the hands, feets, and clothes always afar from the moving components. Place all the hydraulic controls on neutral-gear in order to relieve pressure. Lower all gear to the ground. All the components must be in good shape and correctly installed. Repair damage immediately. Change any wasted or broken piece. Keep all the components of the machine clean off of grease, oil and accumulated dirt. By dealing with traileed equipment, disconnecting the group of cables from the tractor before doing any welding on the machine.



Watch out for the high pressure leaks

Leaking fluids from the system might leak strong enough to tear flesh, causing severe injuries. Therefore, is indispensable to leave the system pressure-less before loosing or disconnecting any pipe and assure that all the connections and connectors are well-tighten before applying pressure to the system. In order to locate an hydraulic oil leak use a piece of cardboard placed in between the connections. Don't get near high-pressure leak. Even if after all this measures an accident happens, go immediately to see a doctor, who should remove the fluid surgically in a few hours in order to avoid gangrene. Unexperienced doctors with injuries of such nature may go to a specialized medical center.

Maintenance of hydraulic cylinders. **IMPORTANT:** keep the plugs clean. Abrasive particles, such as sand, metal sharps, may damage the cylinders, causing inner leaks. Once unplugged off the tractor, place the protection bolts and make sure they're not touching the ground.



8.- Maintenance Plan

Must grease the stand-out points indicated in the figure (Fig.19) with the next regularity:

1. Every 10 hours of labor
2. Every 50 hours of labor
3. Every 100 hours of labor

As a general rule, all this points must be greased before and after every campaign. IMPORTANT: check regularly the re-tighten of screws and bolts. Wheel pressure according to the board.

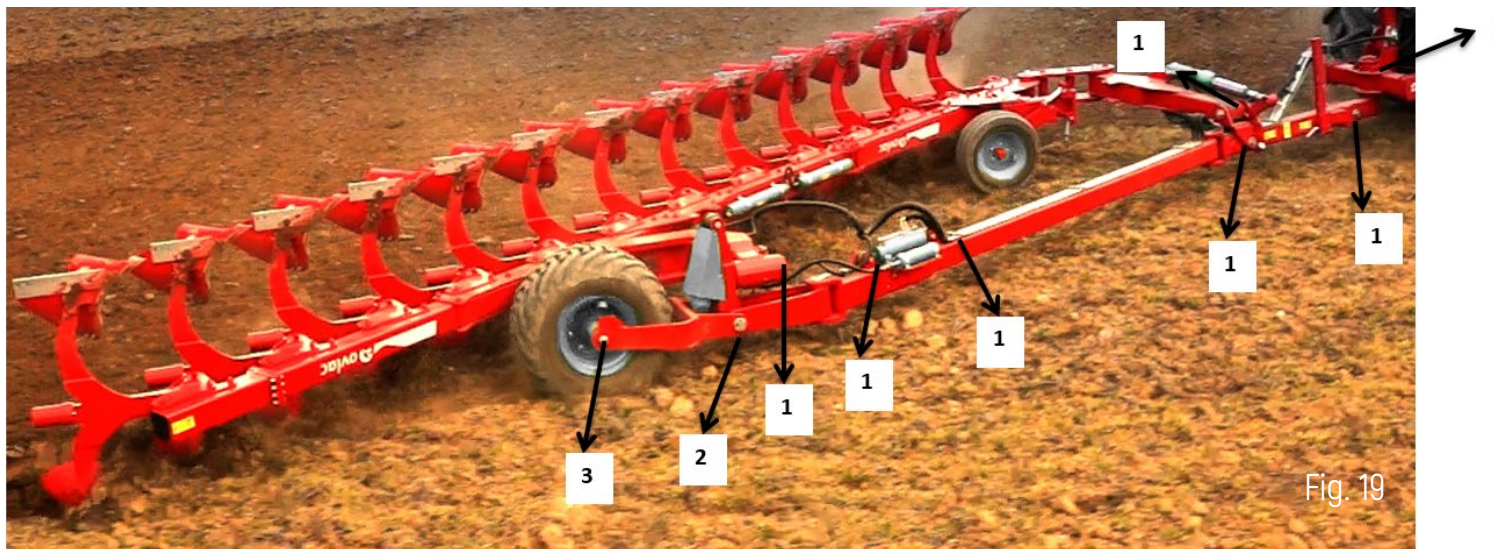


Fig. 19

6.00*9" - 10PR V50	5 Bar.
200/60*14,5" - 10PR	5 Bar.
250/65*14,5" - 12PR	4,75 Bar.
320/60-12 132A8 421TT	4 Bar.
400/60*15,5"TL-14PR FLOTATION	3,6 Bar.
500/45*22,5"-16PR	3,6 Bar.
08" 18x7 - 16PR TT	8 Bar.

9.- Optional equipment

Ovlac mini ploughs can be equipped with:

1. Trasboards (Fig. 20)
2. Slatted mouldboard (Fig. 21)
3. Landsline extension (Fig. 22)



Fig. 20



Fig. 21



Fig. 22



10.- Spare Parts

Spare parts' orders must be ordered through the distributor, and must always include the next directions:

- Type, model, and manufacturing number, indicated on the nameplate.
- Spare part' reference number (indicated on the spare parts pricelist).
- Name & quantity of the requested piece.
- Shipping method. Transport expenses are always charged to the buyer.
- NOTE: the terms Right or Left are meant to be facing the machine from its rear view. For the spare parts and optional parts, "right" is considered for those that are part of the tine that drift to the right and viceverse.
- Note about warranty: If the spare parts' order is placed on warranty it must be clearly specified. The manufacturer will always determine if the piece is in warranty or not. Plus, warranty loses its value if:
 - Unauthorized repairs by the manufacturer are made, non-original spare parts are set up or the wrong bolts are placed.
 - The power limits displayed on the technical data sheet are exceeded, or unusual maneuvers and/or operations are made.



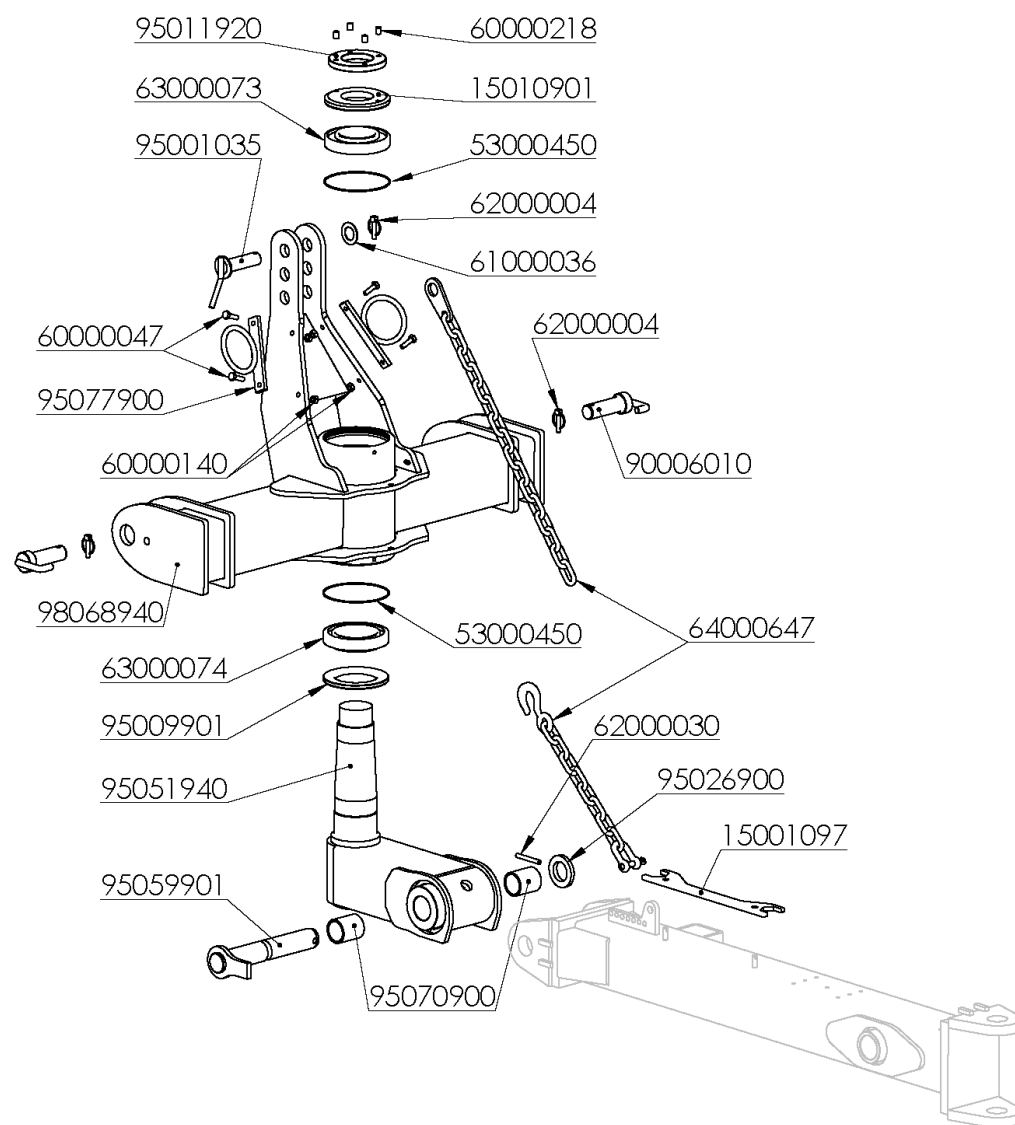
Index

HEADSTOCK.....	21
TURNOVER CONNECTION.....	23
FORK.....	25
FRAME FRONT PART	27
FRAME REAR PART.....	29
MODULE FRAME	31
TELESCOPIC FRAME.....	33
PNEUMATIC WHEEL.....	35
ADVANCED CONTROL WHEEL.....	37
HYDRAULIC TURNOVER SYSTEM	39
HYDRAULIC SYSTEM FORK	41
TELESCOPIC HYDRAULIC SYSTEM.....	43
HYDRAULIC SYSTEM WHEEL.....	45
HYDRAULIC SYSTEM WHEEL ACCUMULATOR.....	47
HYDRAULIC HOSE HOLDER.....	49
HYDRAULIC HOSE HOLDER.....	50
BODY NH	51
BODY NF.....	53
BODY ASSEMBLY	55
HYDRAULIC SYSTEM LEG	57
HYDRAULIC SYSTEM INTAKE.....	59
ACCUMULATOR HYDRAULIC SYSTEM (Front).....	61
ACCUMULATOR HYDRAULIC SYSTEM (Rear).....	63

HYDRAULIC SYSTEM MODULE.....	65
CHARGE HYDRAULIC HOSE.....	67
QUICK CONNECT NH BASE	69
QUICK CONNECTION END MODULE NH	71
REAR SIGNALING	73



HEADSTOCK

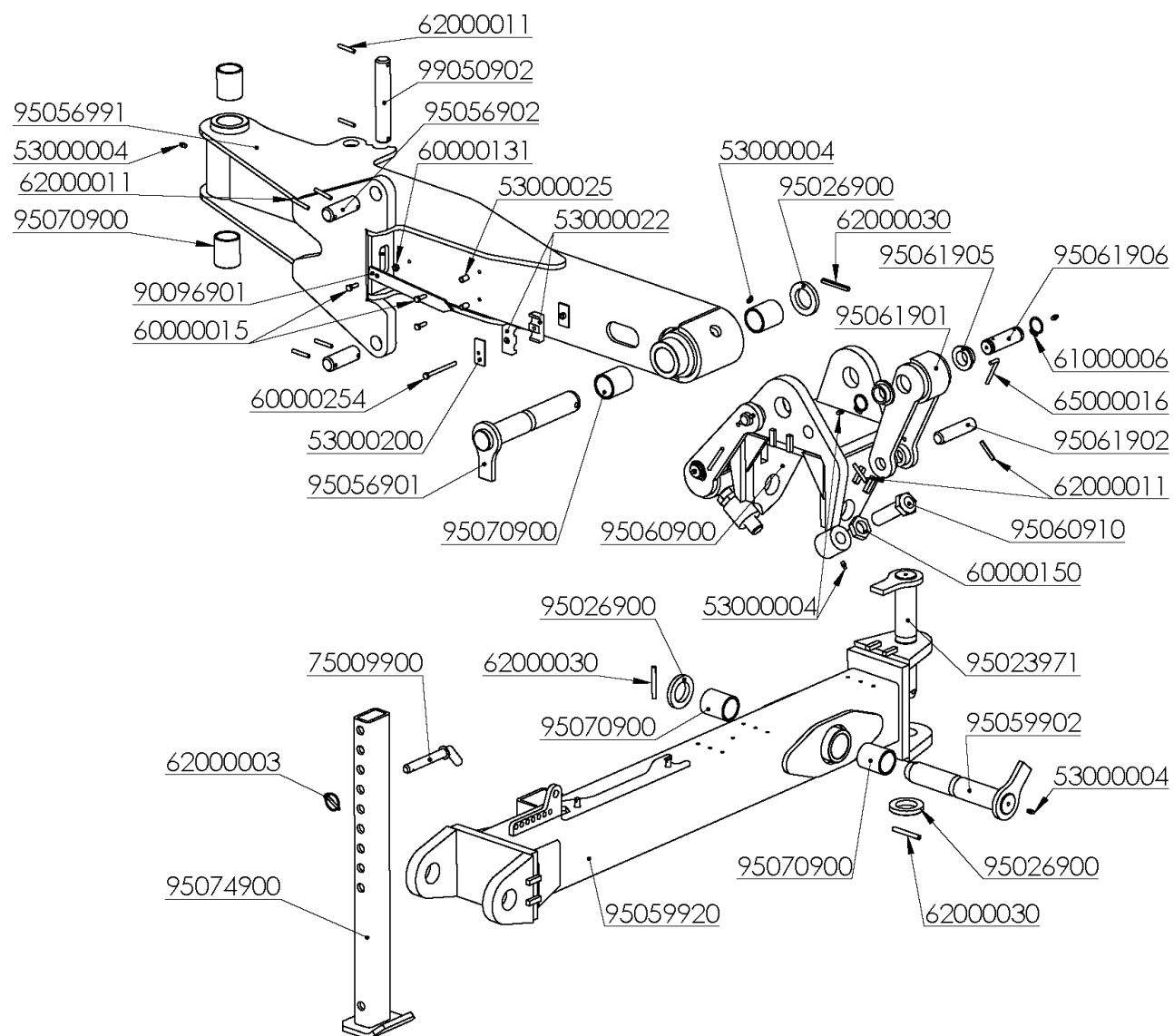


HEADSTOCK

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15001097	LLAVE 46-52	64000647	CADENA SEGURIDAD CABEZAL SS
15010901	TUERCA EJE CABEZAL 120 (D/06)	90006010	BULON D=60/50/36*146mm.(CAT-III)
53000450	JUNTA TORICA 160-3	95001035	BULON D=31,2*115mm.
60000047	TORN.EXAG.DIN-933 10* 35 8.8 ZINC.	95009901	ARAND.POST.120 (D/03)
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
60000218	TORN.ALLEN DIN-913 12* 16 12.9	95026900	ARAND.P/BULON GIRO BASTIDOR
61000036	ARAND.ESTANDAR-A 32 ZINC.	95051940	ARTIC.TIRO SS.(D/14)
62000004	PASADOR ANILLA 10 ZINC.	95059901	BULON D=50*324mm.LANZA TIRO SS
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
63000073	RODAM.ANTER.30218 F (C-120/D-03)	95077900	GUIA LATIG.CABEZAL SS
63000074	RODAM.POST.32021 XF (C-120/D-03)		



TURNOVER CONNECTION

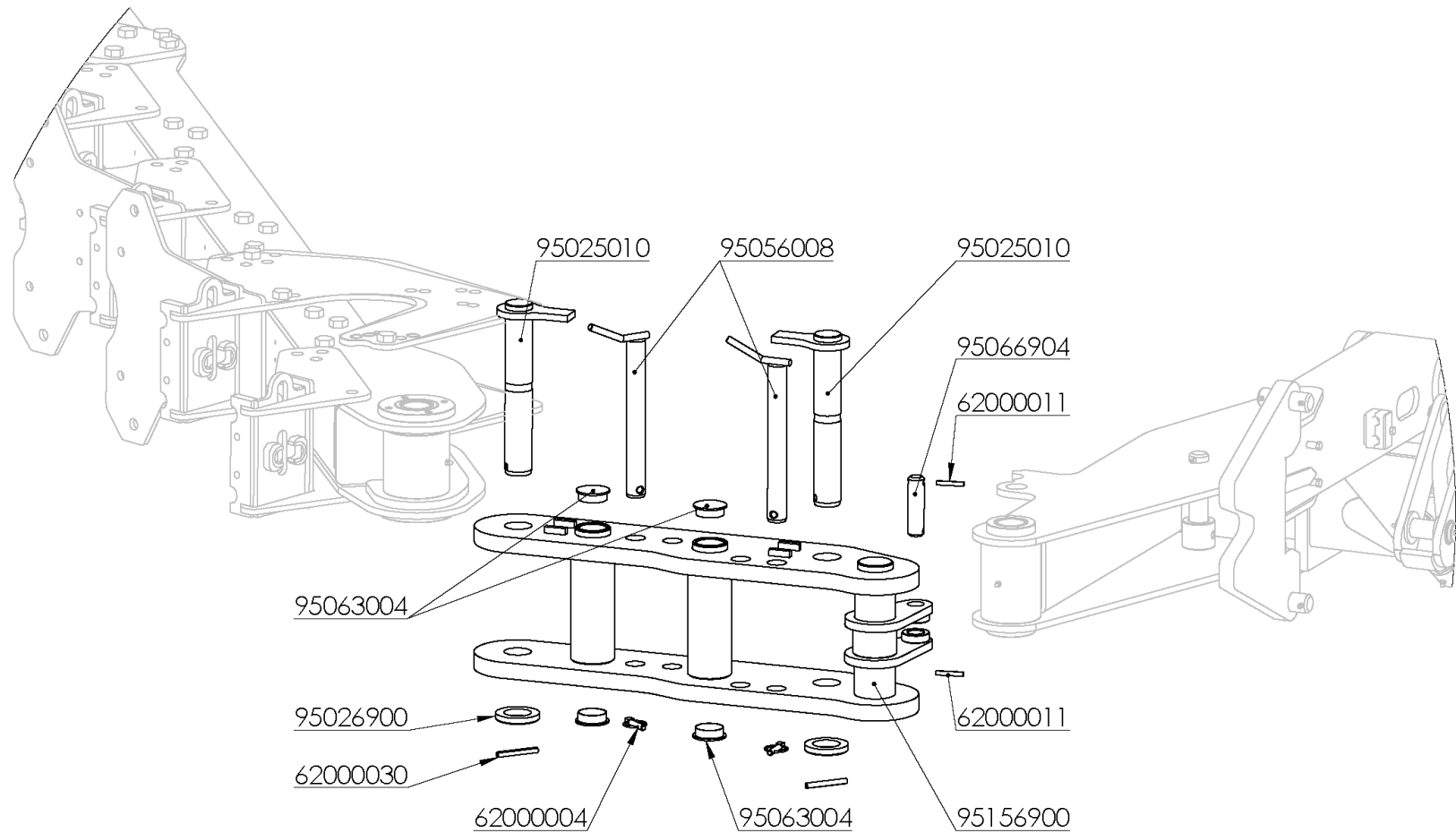


TURNOVER CONNECTION

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000004	ENGRASADOR AC° DIN-71412 8*125	95026900	ARAND.P/BULON GIRO BASTIDOR
53000022	ABRAZ.DOBLE D=19mm. 1D19PP	95056901	BULON D=50*319mm.CONEX.VOLTEO SS
53000025	M.TUBO ACERO D=12*9mm.ZINC..	95056902	BULON D=34,8*100mm.CILIND.VOLTEO SS + GEOMET
53000200	PLACA RFZO.AB.DOBLE 19 GD3D	95056991	CONEX.VOLTEO SSN FS (D/15)
60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.	95059902	BULON D=50*307mm.LANZA TIRO SS
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	95059920	LANZA TIRO SS(D/02)
60000150	TUER.BAJA DIN-936 1"1/4 W 10.9 ZINC.	95060900	ROTULA SS
60000254	TORN.EXAG.DIN-931 8*100 8.8 ZINC.	95060910	TOPE VOLTEO SS
61000006	ANILLO ELASTICO DIN-471 35	95061901	OREJA IZQD.VOLTEO SS
62000003	PASADOR ANILLA 6 ZINC.	95061902	BULON D=29,7*123mm.OREJA VOLTEO SS
62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.	95061905	CASQ.D= 59/44,9/35*20,5mm.CEM.OREJA VOLTEO SS
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	95061906	BULON D=34,7*113mm.RANURADO OREJA VOLTEO SS
65000016	PASADOR FIJACION D= 7,5mm. ZINC.	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
75009900	BULON D=20*255mm.REG.RDA.CH ZINC.	95074900	PEON SS
90096901	MARCADOR VERTICAL SS	99050902	BULON D=34,8*208mm.CILIND.RDA.SFB + GEOMET
95023971	BULON D=50*307mm.SOP.GIRO BAST.SS		



FORK

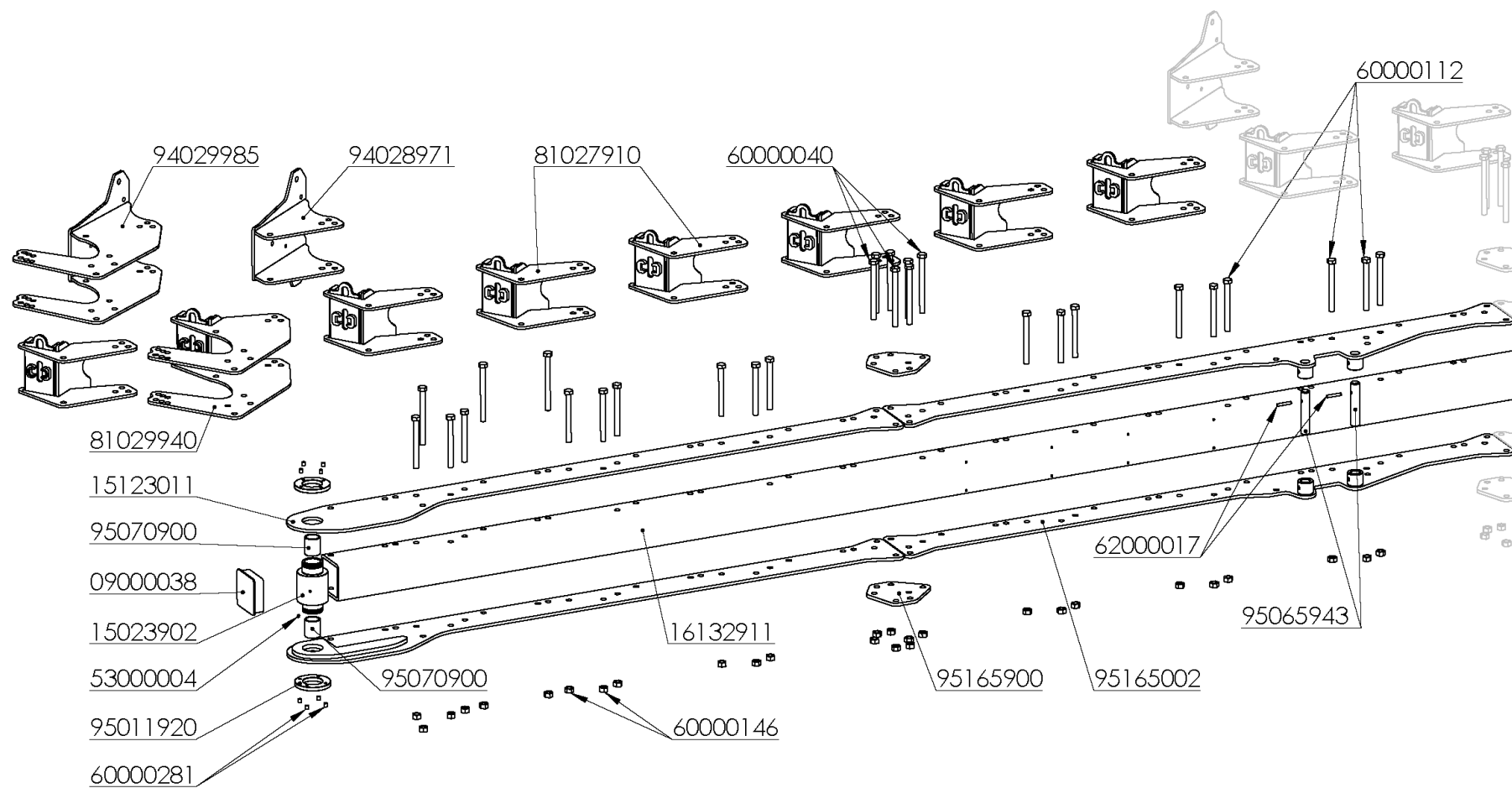


FORK

REFERENCIA	DESCRIPCIÓN
62000004	PASADOR ANILLA 10 ZINC.
62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
95025010	BULON D=50*322mm.
95026900	ARAND.P/BULON GIRO BASTIDOR
95056008	BULON D=34,5*295mm.
95063004	TAPON HORQ.SS
95066904	BULON D=29,7*112mm.CILIND.APERT SS
95156900	HORQUILLA SSN FS



FRAME FRONT PART

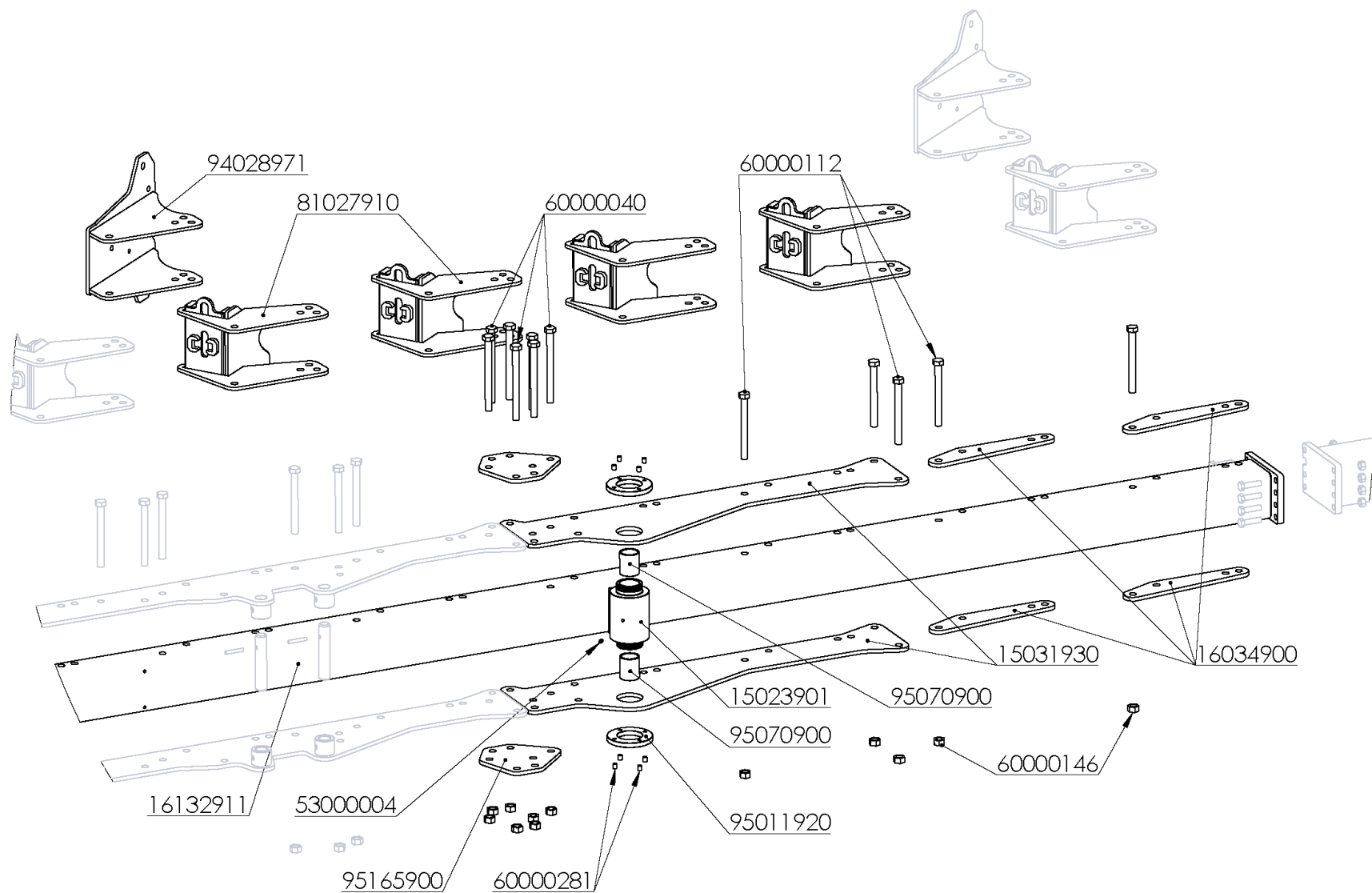


FRAME FRONT PART

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
09000038	TAPON GOMA 150*150*08mm.	81027910	SOP.ARTIC.CAMBA MH
15023902	CASQ.GIRO BAST.SN-150 - NO LANZAR OF	81029940	SOP.ARTIC.CAMBA/RDA.AVZD.MH (D/13)
15123011	PLACA SOP.GIRO BAST.MR-SS	94028971	SOP.ARTIC.CAMBA MMF
16132911	BAST.MINI SH-1-66-AMP.	94029985	SOP.ARTIC.CAMBA/RDA.AVZD.MMF
53000004	ENGRASADOR AC° DIN-71412 8*125	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
60000040	TORN.EXAG.DIN-931 20*230 8.8	95065943	BULON D=34,8*180mm.CILIND.APERT.SSN
60000112	TORN.EXAG.DIN-931 20*200 8.8	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	95165002	PLACA SOP.SIST.APERT.MR-SS
60000281	TORN.ALLEN DIN-913 12* 14 12.9	95165900	PLACA UNION SOP.SIST.APERT.MR-SS
62000017	PASADOR ELAST.DIN-1481 10* 60 ZINC.		



FRAME REAR PART

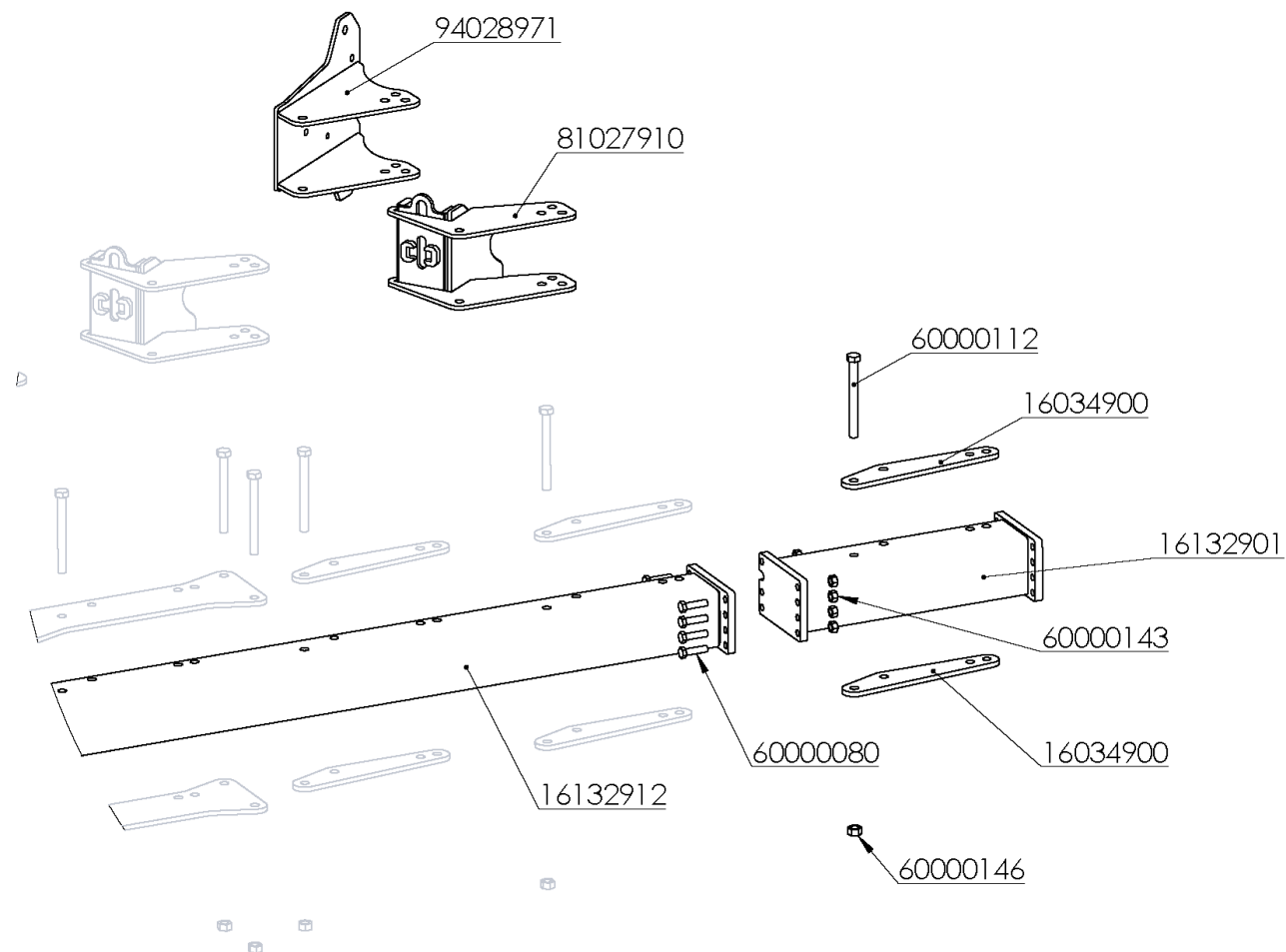


FRAME REAR PART

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15023901	CASQ.GIRO BAST.SN-120 - NO LANZAR OF	60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
15031930	PLACA SOP.GIRO RDA.MINI-SH	60000281	TORN.ALLEN DIN-913 12* 14 12.9
16034900	PLACA ASIENTO SOPORTES L	81027910	SOP.ARTIC.CAMBA MH
16132911	BAST.MINI SH-1-66-AMP.	94028971	SOP.ARTIC.CAMBA MMF
53000004	ENGRASADOR AC° DIN-71412 8*125	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
60000040	TORN.EXAG.DIN-931 20*230 8.8	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
60000112	TORN.EXAG.DIN-931 20*200 8.8	95165900	PLACA UNION SOP.SIST.APERT.MR-SS



MODULE FRAME

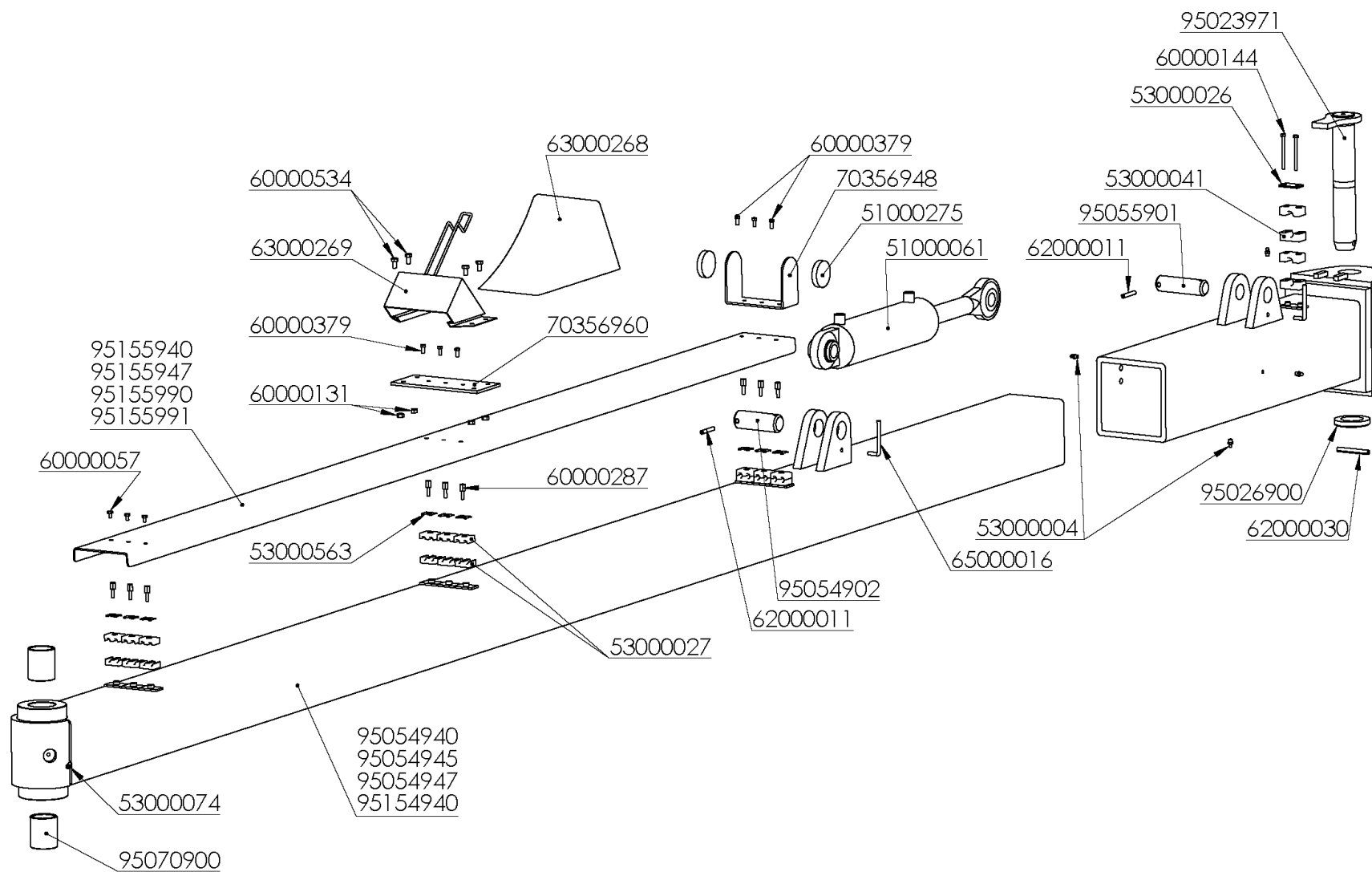


MODULE FRAME

REFERENCIA	DESCRIPCIÓN
16034900	PLACA ASIENTO SOPORTES L
16132901	BAST.MINI SH-1-66
16132912	BAST.MINI SH-12-66-AMP.
60000080	TORN.EXAG.DIN-931 16* 60 8.8 ZINC.
60000112	TORN.EXAG.DIN-931 20*200 8.8
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE
81027910	SOP.ARTIC.CAMBA MH
94028971	SOP.ARTIC.CAMBA MMF



TELESCOPIC FRAME

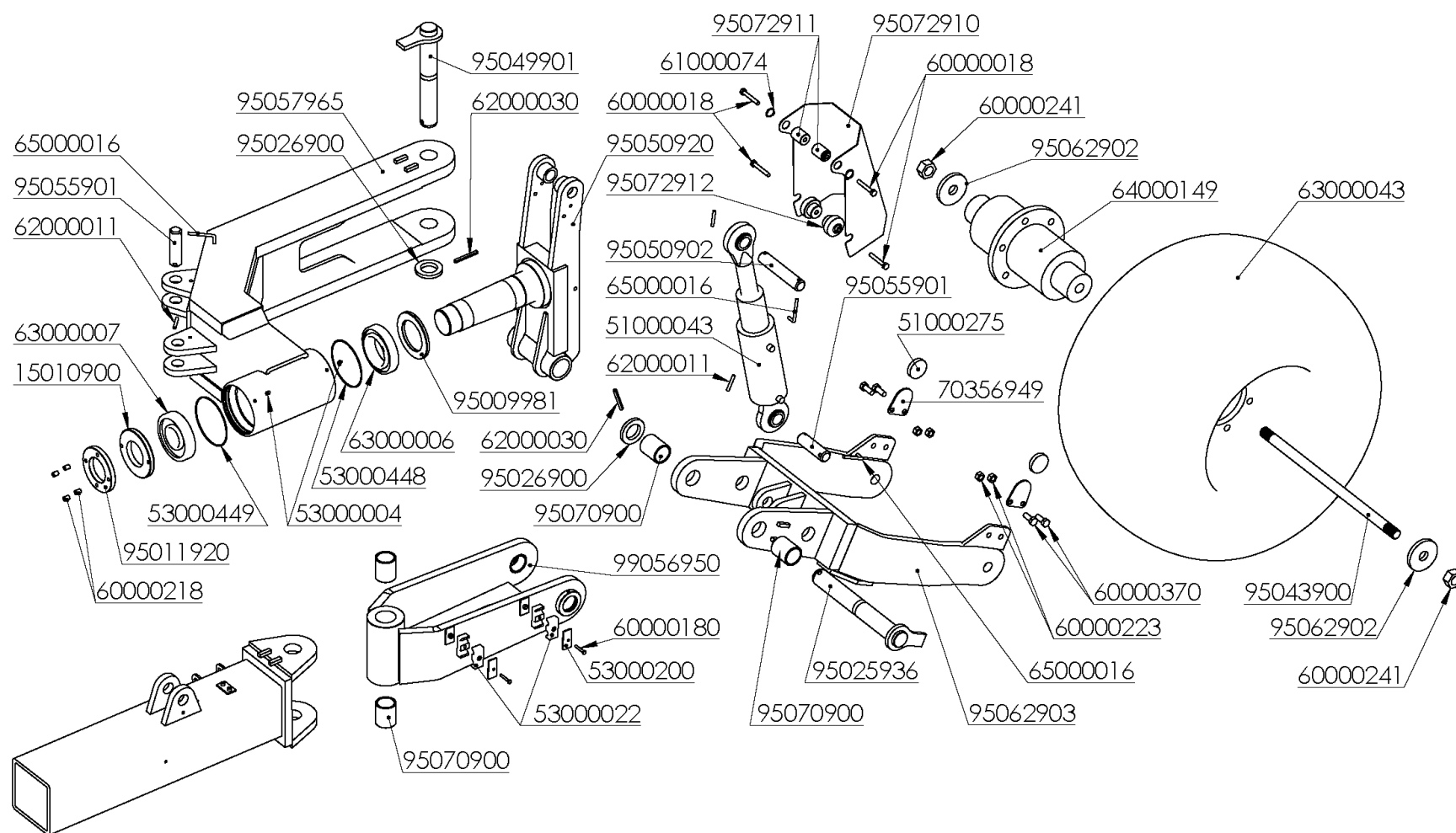


TELESCOPIC FRAME

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000061	CILIND.VOLTEO 40/95/300 ROT.D=40/35	63000269	SOPORTE CALZO AL-KO ZINCADO TIPO HA-46 St COD:244 377
51000275	CATADIOPTRICO AMBAR 04007	65000016	PASADOR FIJACION D= 7,5mm. ZINC.
53000004	ENGRASADOR AC° DIN-71412 8*125	70356948	PLACA SOP.CATADIOP.CENTRAL SS
53000026	PLACA RFZO.AB.SIMPLE 20 DP3	70356960	LLANTA SOP. CALZO SS
53000027	ABRAZ.DOUBLE D=12mm. 1D12PP	95023971	BULON D=50*307mm.SOP.GIRO BAST.SS
53000041	ABRAZ.SIMPLE D=19mm. 319PP	95026900	ARAND.P/BULON GIRO BASTIDOR
53000074	ENGRASADOR MT-506 45° 8*125	95054902	BULON D=39,8*110mm.CILIND.BAST.PPAL.SSN
53000563	PLACA SEGURIDAD S.DOUBLE SI1D	95054940	BAST.PPAL.SSN
60000057	TORN.EXAG.DIN-933 6* 10 8.8 ZINC.	95054945	BAST.PPAL.SSN-5
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	95054947	BAST.PPAL.SSN-7
60000144	TORN.EXAG.DIN-931 6* 75 8.8 ZINC.	95055901	BULON D=34,8*122mm.CIL.BAST.TElesc.SS + GEOMET
60000287	TORN.APILABLE SERIE L M-6x34 AF1	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
60000379	TORN.EXAG.DIN-933 6* 16 8.8 ZINC.	95154940	BAST.PPAL.SSN-6 (D/14) - 2710mm.
60000534	TORN.EXAG.DIN-933 8* 20 8.8 ZINC.	95155940	PLACA PROTECCION TUBOS SSN-6 (D/14) - 2710mm.
62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.	95155947	PLACA PROTECCION TUBOS SSN-7 (D/14) - 3755mm.
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	95155990	PLACA PROTECCION TUBOS SSN FS (D/14) - 4290mm.
63000268	CALZO AL-KO ZINCADO 5000kg TIPO UK 46 St	95155991	PLACA PROTECCION TUBOS SSN FS (D/14) - 3245mm.



PNEUMATIC WHEEL

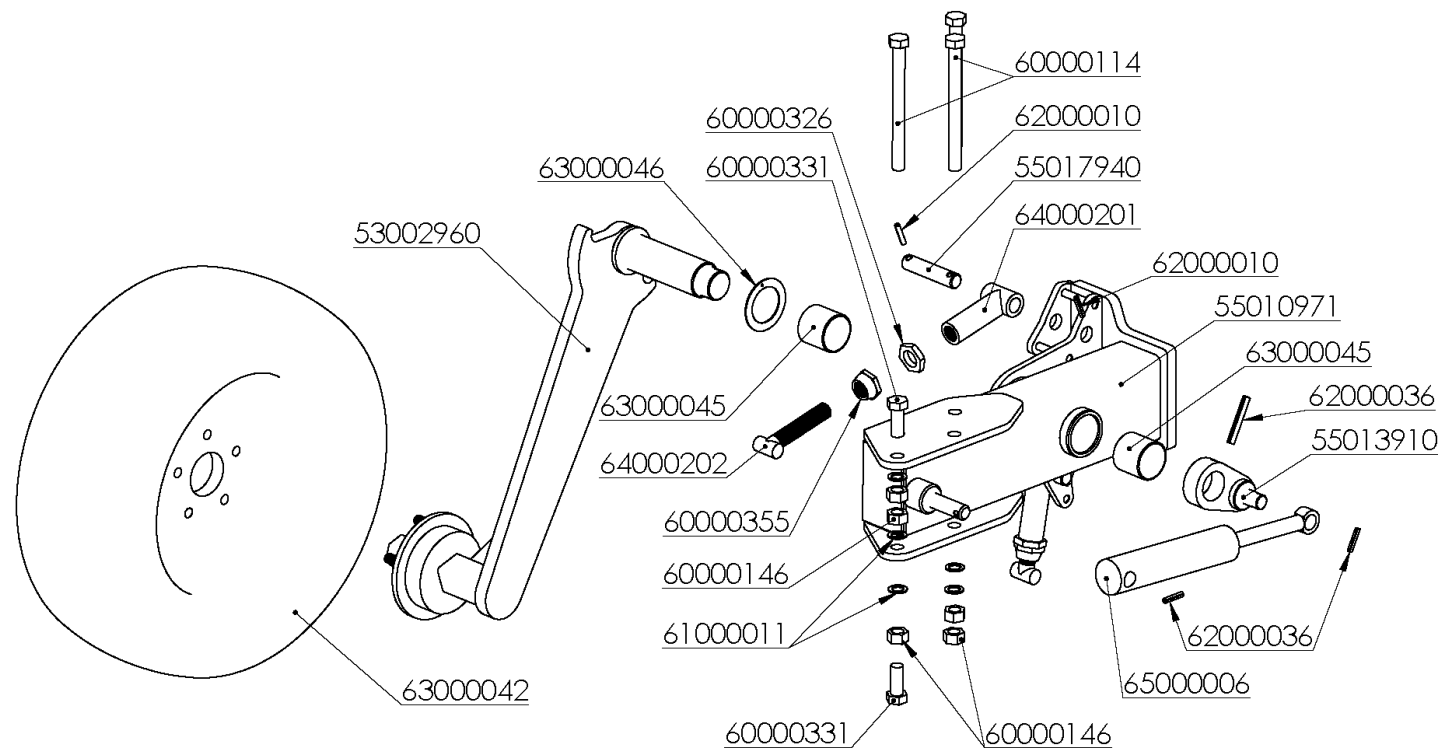


PNEUMATIC WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15010900	TUERCA EJE CABEZAL 110 (D/07)	64000149	CABEZA TRAILLA D/161 L-500
51000043	CILIND.ELEV.RDA.C/TCA.50/110/150 SS	65000016	PASADOR FIJACION D= 7,5mm. ZINC.
51000275	CATADIOPTICO AMBAR 04007	70356949	PLACA SOP.CATADIOP.TRASERO SS
53000004	ENGRASADOR AC° DIN-71412 8*125	95009981	ARAND.POST.110 (D/07)
53000022	ABRAZ.DOUBLE D=19mm. 1D19PP	95011920	CONTRATUERCA EJE CABEZAL 110 (D-07)/120/150
53000200	PLACA RFZO.AB.DOUBLE 19 GD3D	95025936	BULON D=50*402mm.HORQUILLA SS (D/14)
53000448	JUNTA TORICA 144-3	95026900	ARAND.P/BULON GIRO BASTIDOR
53000449	JUNTA TORICA 150-3	95043900	EJE RDA.SS
60000018	TORN.EXAG.DIN-931 10* 70 8.8 ZINC.	95049901	BULON D=50*334mm.SOP.GIRO RDA.SS
60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.	95050902	BULON D=34,8*188mm.CILIND.RDA.SS + GEOMET
60000218	TORN.ALLEN DIN-913 12* 16 12.9	95050920	CONJ.EJE ARTIC.RDA.SS (D/07)
60000223	TUER.AUTO.DIN-980 14 8.8 ZINC.	95055901	BULON D=34,8*122mm.CIL.BAST.TElesc.SS + GEOMET
60000241	TUER.AUTO.DIN-985 30/200 8.8 ZINC.	95057965	CONEX.RDA.MR-SS
60000370	TORN.EXAG.DIN-933 14* 35 8.8 ZINC.	95062902	ARAND.SUPL.BUJE RDA.SS
61000074	ANILLO ELASTICO DIN-471 25 INOX	95062903	HORQUILLA RDA.MR-SS (D/14) 500/50-17
62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.	95070900	CASQ.D= 60/50*70mm.CEM.ARTIC.SS/GIRO BAST.
62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.	95072910	CHAPA PROTEC.CILIND.RDA.SS. 550*370*2mm.
63000006	RODAM.POST.32019 (C-110-D/07)	95072911	CASQ.GIRO PROTECCION CIL.RDA.SS
63000007	RODAM.ANTER.30217 (C-110-D/07)	95072912	CASQ.TOPE PROTECCION CIL.RDA.SS
63000043	R.N.C/ATAQUE 500/50-17" 18PR 8 ESPARRAGOS SS	99056950	UNION HORQ.SFB (D/14)



ADVANCED CONTROL WHEEL

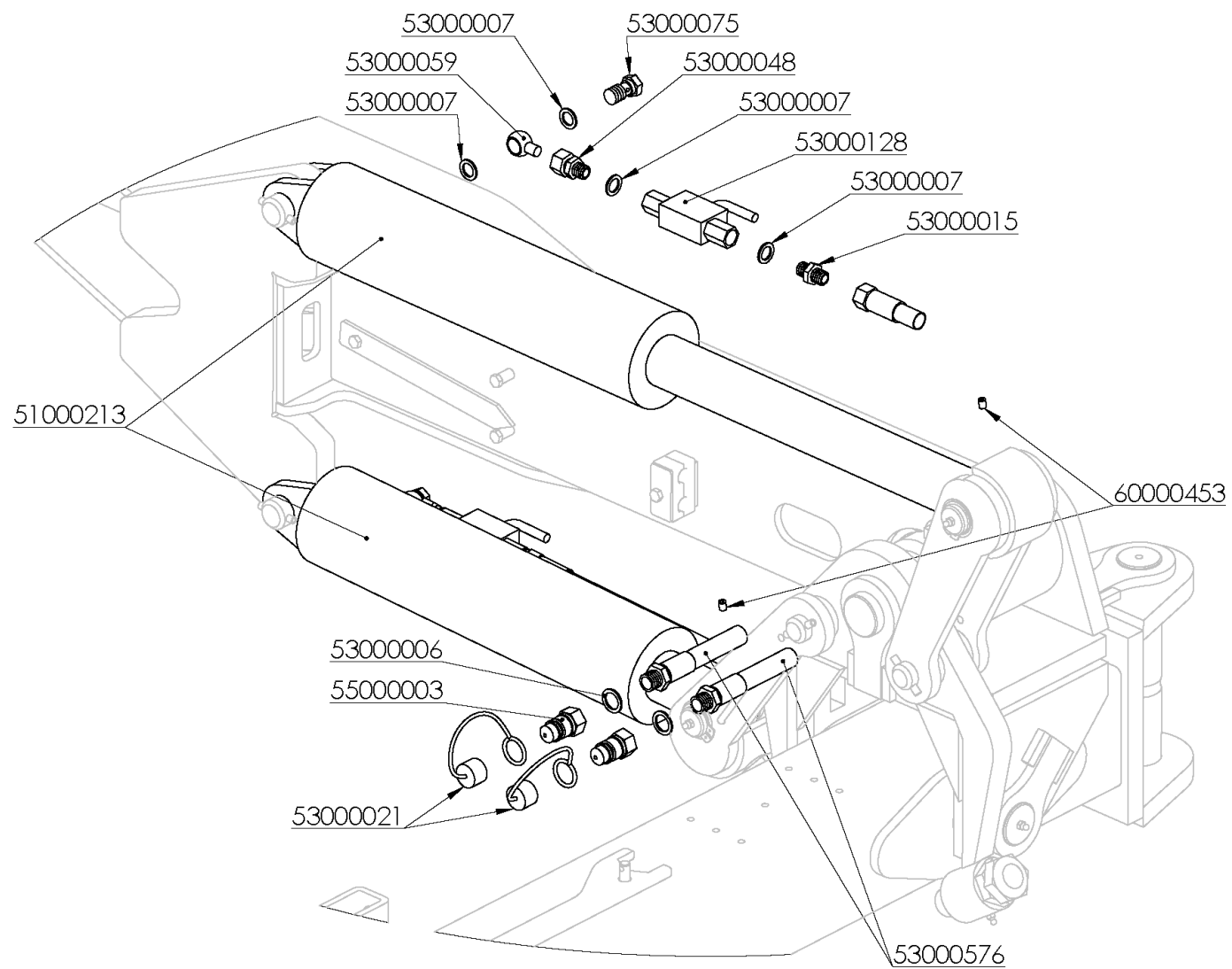


ADVANCED CONTROL WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53002960	BRAZO RDA.NEUM(200/60-250/65) (5-6) AVZD.	61000011	ARAND.DIN-125 20 ZINC.
55010971	SOP.RDA.AVZD.L (D/13) - PASAR A 55010976	62000010	PASADOR ELAST.DIN-1481 8* 40 ZINC.
55013910	EXCENTRICA RDA.C/T (D/02)	62000036	PASADOR ELAST.DIN-1481 12* 80 ZINC.
55017940	BULON D=25*116mm.TOPE RDA.C/T	63000042	R.N.C/ATAQUE 250/65*14,5"-12PR RAL-6029
60000114	TORN.EXAG.DIN-931 20*220 8.8 ZINC.	63000045	CASQ.FRICCION PAP 6060 P10
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	63000046	DISCO FRICCION PAW 62 P10
60000326	TUER.BAJA DIN-936 30/200 8.8 ZINC.	64000201	SOP.TOPE MOVIL RDA.C/T ZINC.
60000331	TORN.EXAG.DIN-933 20* 50 8.8 ZINC.	64000202	TOPE MOVIL RDA.C/T TRATADO + ZINC.
60000355	TUER.TOPE VOLTEO 30/200 8.8 ZINC.	65000006	AMORTIGUADOR C/ROT. 25/50/145



HYDRAULIC TURNOVER SYSTEM

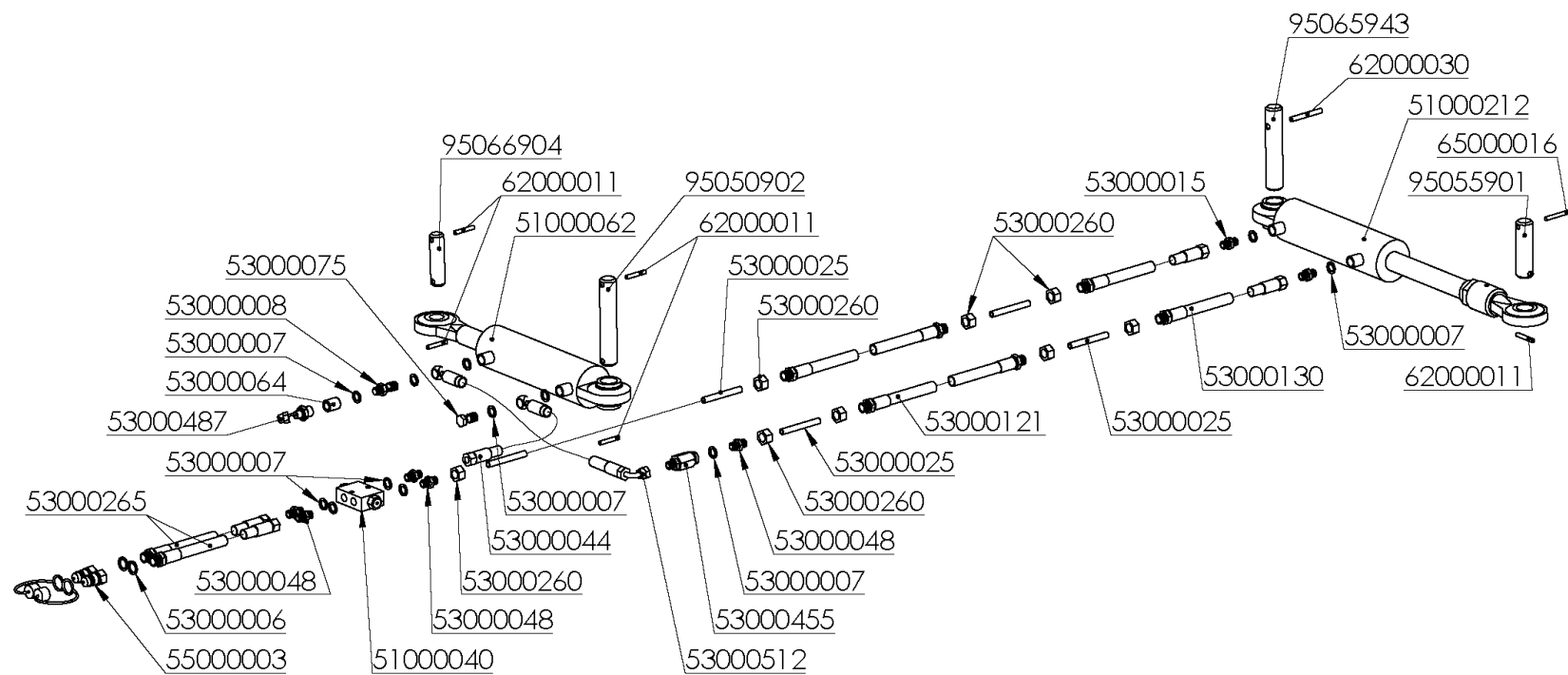


HYDRAULIC TURNOVER SYSTEM

REFERENCIA	DESCRIPCIÓN
51000213	CILIND.VOLTEO TElesc.2 EXP.60/100/470 SS
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000015	UNION MACHO 3/8 4062
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR
53000048	UNION MACHO BSP 3/8-12 GE12-L
53000059	ESFERICO 3/8" TUBO 12mm.CORTO 4002E
53000075	TORNILLO SIMPLE 3/8 REDUCTOR 4022-T
53000128	VALV.ESFERA 2/2 3/8 V2RH10
53000576	LATIG.R2-3/8*4000mm.MF-1/2/TL-3/8
55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
60000453	TORN.ALLEN DIN-913 8* 10 12.9



HYDRAULIC SYSTEM FORK

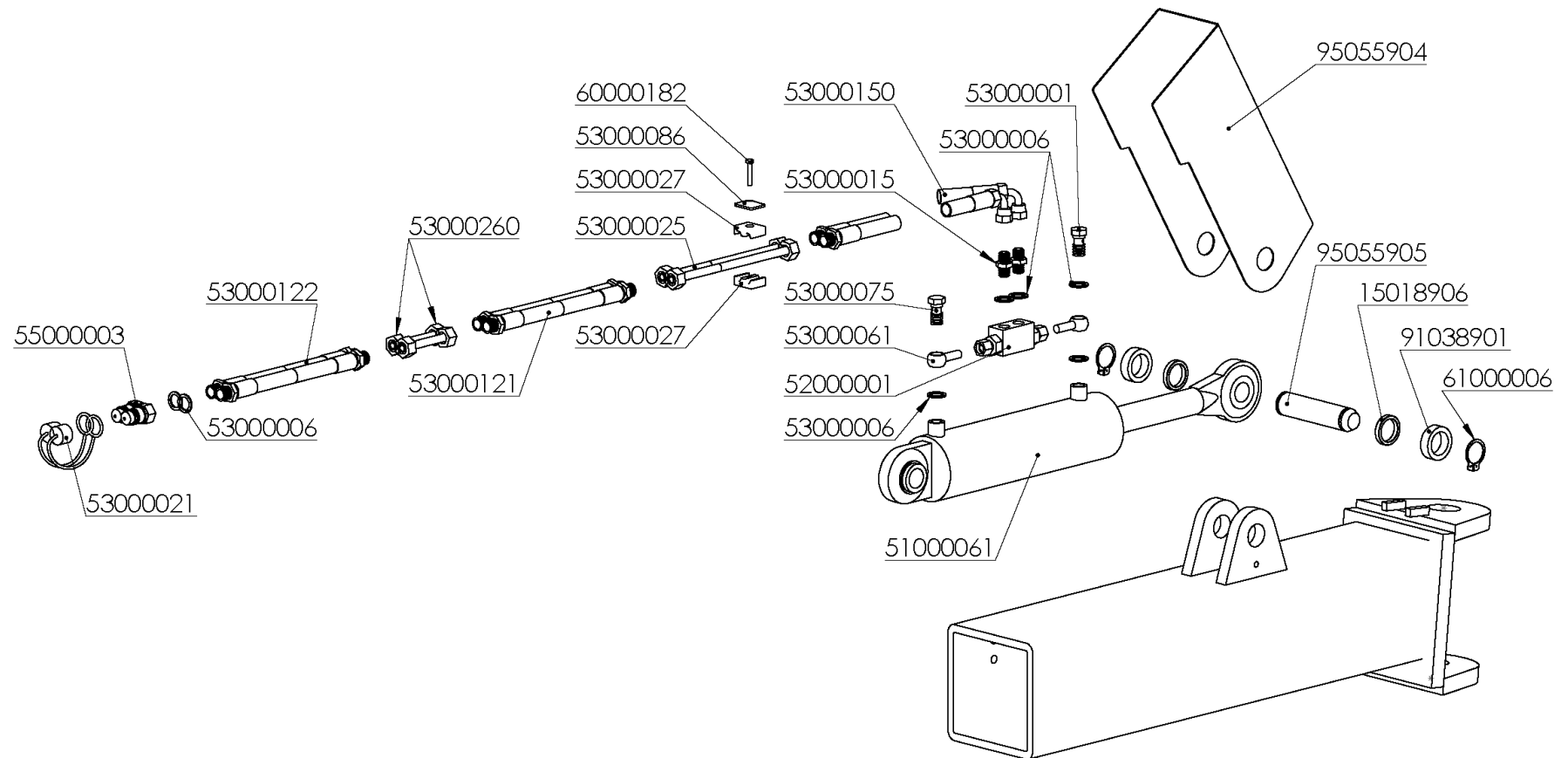


HYDRAULIC SYSTEM FORK

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000040	VALV.BLOQUEO ZINC.3/8 VBPDE-3/8-A	53000260	TUERCA M18*1,5 C/BICONO D12L M12-L PSR12LX
51000062	CILIND.VOLTEO 40/70/230 ROT.D=35/30	53000265	LATIG.R2-3/8*2500mm.MF-1/2/TL-18
51000212	CILIND.APERT. 40/70/230 C/TCA.	53000455	RACOR GIRATORIO RECTO 3/8 G1060
53000006	JUNTA METAL/GOMA 1/2" 11603	53000487	ADAPTADOR M.TOMA PRESION 3/8-16x200 MH191606
53000007	JUNTA METAL/GOMA 3/8" 11602	53000512	LATIG.R2-3/8*1800mm.OR-3/8/CTL-3/8
53000008	TORNILLO PROLONGACION 3/8 4182	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000015	UNION MACHO 3/8 4062	62000011	PASADOR ELAST.DIN-1481 8* 50 ZINC.
53000025	M.TUBO ACERO D=12*9mm.ZINC..	62000030	PASADOR ELAST.DIN-1481 10* 80 ZINC.
53000044	LATIG.R2-3/8*1900mm.OR-3/8/TL-18	65000016	PASADOR FIJACION D= 7,5mm. ZINC.
53000048	UNION MACHO BSP 3/8-12 GE12-L	95050902	BULON D=34,8*188mm.CILIND.RDA.SS + GEOMET
53000064	MANGUITO UNION 3/8 4132	95055901	BULON D=34,8*122mm.CIL.BAST.TElesc.SS + GEOMET
53000075	TORNILLO SIMPLE 3/8 REDUCTOR 4022-T	95065943	BULON D=34,8*180mm.CILIND.APERT.SSN
53000121	LATIG.R2-3/8* 500mm.MT-12/MT-12	95066904	BULON D=29,7*112mm.CILIND.APERT SS
53000130	LATIG.R2-3/8*2150mm.MT-12/TL-3/8		



TELESCOPIC HYDRAULIC SYSTEM

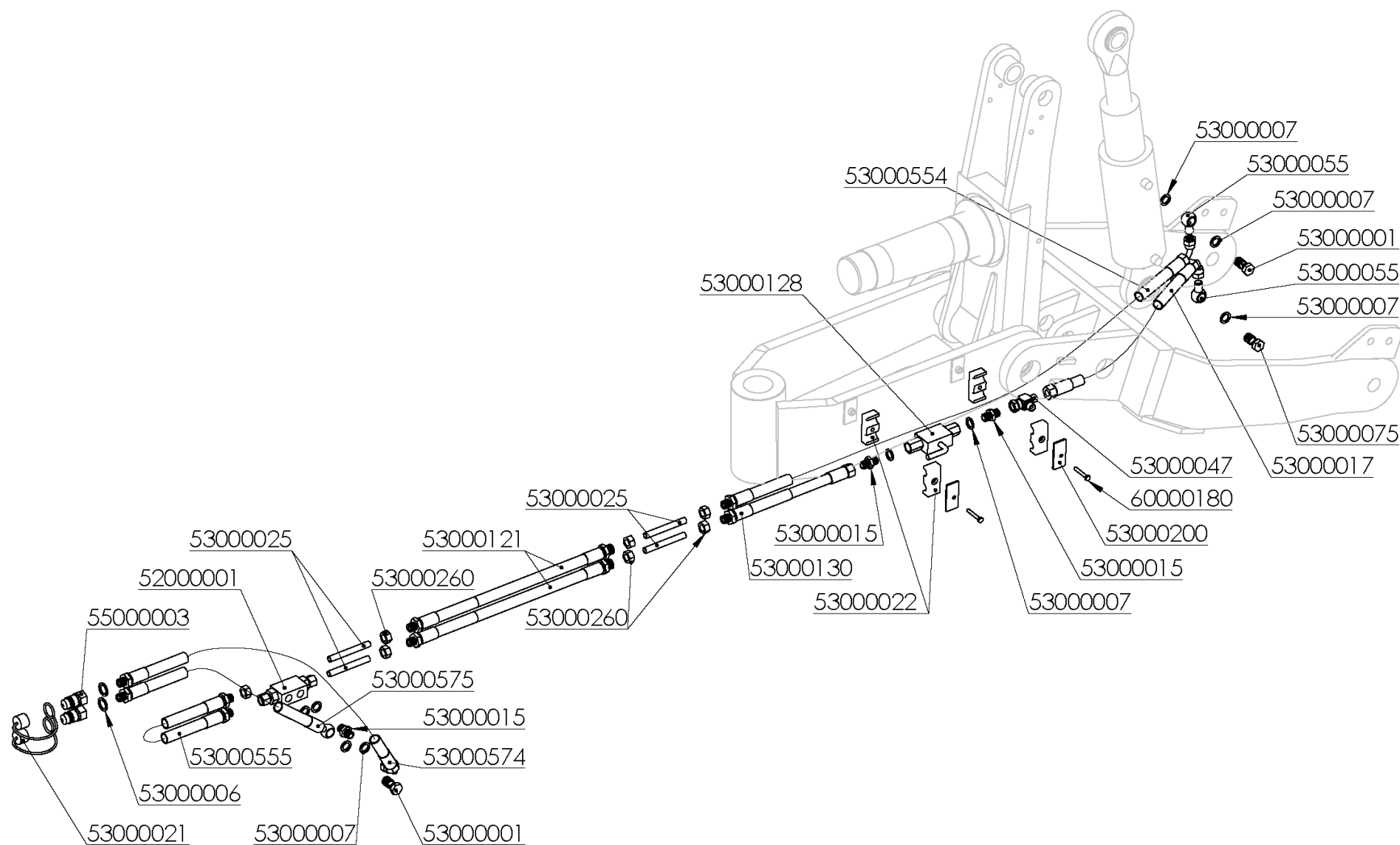


TELESCOPIC HYDRAULIC SYSTEM

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
15018906	CASQ.D=45/35*8 SEP.APERT.CICRO	53000086	PLACA RFZO.AB.DOBLE 12 GD1D
51000061	CILIND.VOLTEO 40/95/300 ROT.D=40/35	53000121	LATIG.R2-3/8* 500mm.MT-12/MT-12
52000001	VALV.BLOQUEO ZINC.12 VBD38	53000122	LATIG.R2-3/8*2450mm.MF-1/2/MT-12
53000001	TORNILLO SIMPLE 3/8 4022	53000150	LATIG.R2-3/8* 500mm.MT-12/CTL-3/8
53000006	JUNTA METAL/GOMA 1/2" 11603	53000260	TUERCA M18*1,5 C/BICONO D12L M12-L PSR12LX
53000015	UNION MACHO 3/8 4062	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR	60000182	TORN.EXAG.DIN-931 6* 35 8.8 ZINC.
53000025	M.TUBO ACERO D=12*9mm.ZINC..	61000006	ANILLO ELASTICO DIN-471 35
53000027	ABRAZ.DOBLE D=12mm. 1D12PP	91038901	SEP.B.P.51/36* 15mm.ZINC.
53000061	ESFERICO 3/8" TUBO 12mm.L=200	95055904	CHAPA PROTEC.CILIND.PRIMER CPO.SS
53000075	TORNILLO SIMPLE 3/8 REDUCTOR 4022-T	95055905	BULON D=34,8*151mm.PROT.CIL.PRIMER CPO.SS



HYDRAULIC SYSTEM WHEEL

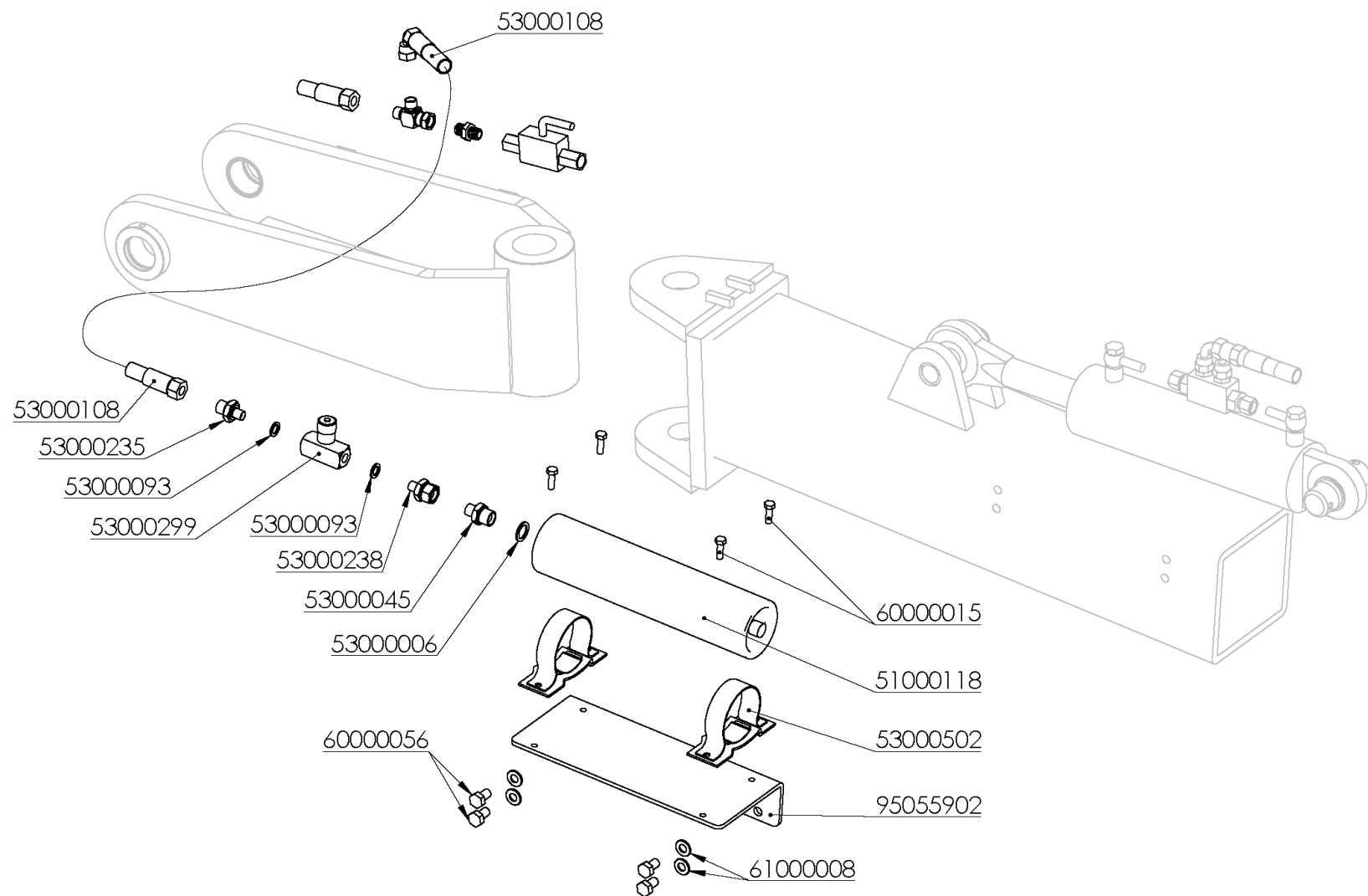


HYDRAULIC SYSTEM WHEEL

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
52000001	VALV.BLOQUEO ZINC.12 VBD38	53000121	LATIG.R2-3/8* 500mm.MT-12/MT-12
53000001	TORNILLO SIMPLE 3/8 4022	53000128	VALV.ESFERA 2/2 3/8 V2RH10
53000006	JUNTA METAL/GOMA 1/2" 11603	53000130	LATIG.R2-3/8*2150mm.MT-12/TL-3/8
53000007	JUNTA METAL/GOMA 3/8" 11602	53000200	PLACA RFZO.AB.DOBLE 19 GD3D
53000015	UNION MACHO 3/8 4062	53000260	TUERCA M18*1,5 C/BICONO D12L M12-L PSR12LX
53000017	LATIG.R2-3/8* 500mm.TL/CTL-3/8	53000554	LATIG.R2-3/8*2850mm.MT-12/CTL-3/8
53000021	PROTECTOR E.R.MACHO 1/2" ROJO 5029-4PR	53000555	LATIG.R2-3/8* 500mm.MT-12/TL-18
53000022	ABRAZ.DOBLE D=19mm. 1D19PP	53000574	LATIG.R2-3/8*2590mm.MF-1/2/CTL-3/8
53000025	M.TUBO ACERO D=12*9mm.ZINC..	53000575	LATIG.R2-3/8*2550mm.MF-1/2/OR-3/8
53000047	TE M/M C/TCA.LOCA LAT.3/8 4402	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000055	ESFERICO ROSCADO 3/8 4012	60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.
53000075	TORNILLO SIMPLE 3/8 REDUCTOR 4022-T		



HYDRAULIC SYSTEM WHEEL ACCUMULATOR

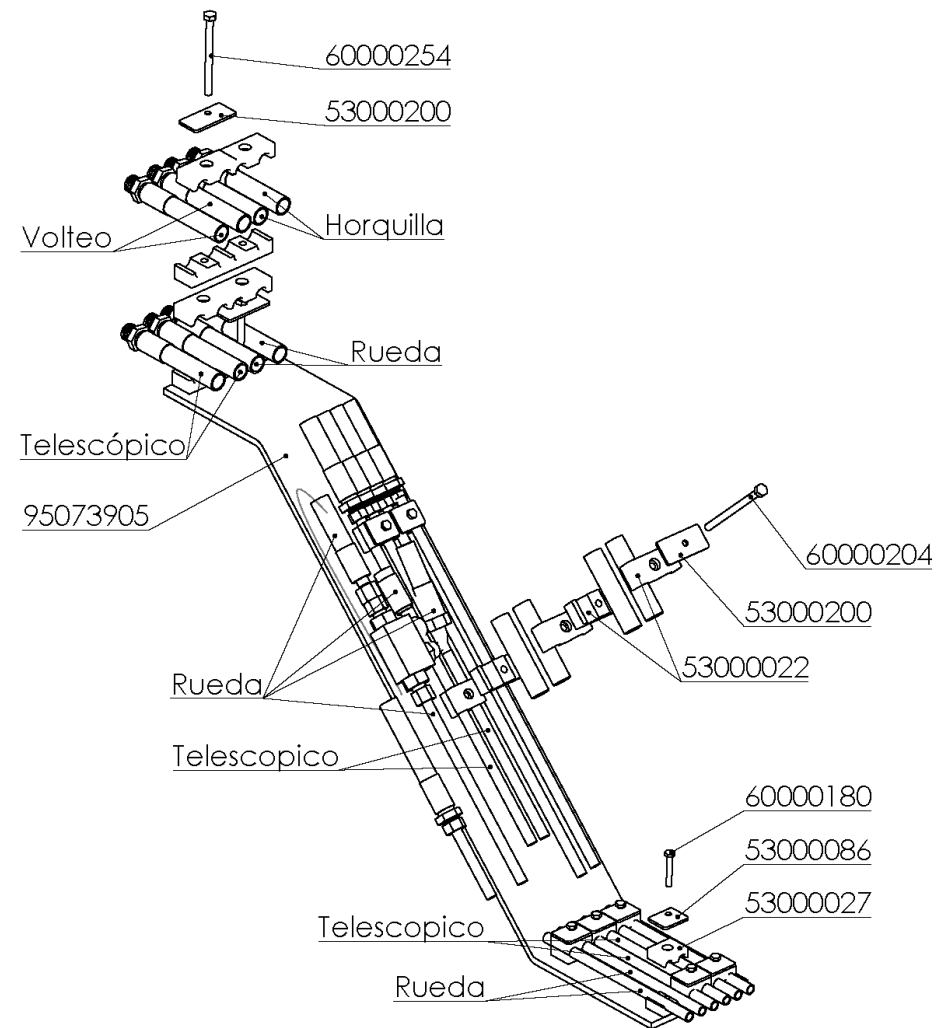


HYDRAULIC SYSTEM WHEEL ACCUMULATOR

REFERENCIA	DESCRIPCIÓN
51000118	ACUMULADOR PISTON PO10A34N1-AC RAL-7047
53000006	JUNTA METAL/GOMA 1/2" 11603
53000045	UNION REDUCCION 3/8-1/2 4072
53000093	JUNTA METAL GOMA 1/4 11601
53000108	LATIG.R2-3/8* 900mm.TL/CTL-3/8
53000235	UNION REDUCCION 1/4-3/8 4071
53000238	REDUCCION MACHO-TUERCA LOCA 1/4-3/8 4322
53000299	REGULADOR CAUDAL POMO UNID.1/4 9F400S
53000502	ABRAZ.ACUMULADOR 80/88 MPC
60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.
60000056	TORN.EXAG.DIN-933 12* 20 12.9
61000008	ARAND.DIN-125 12 ZINC.
95055902	SOP.ACUMULADOR RDA.SS



HYDRAULIC HOSE HOLDER

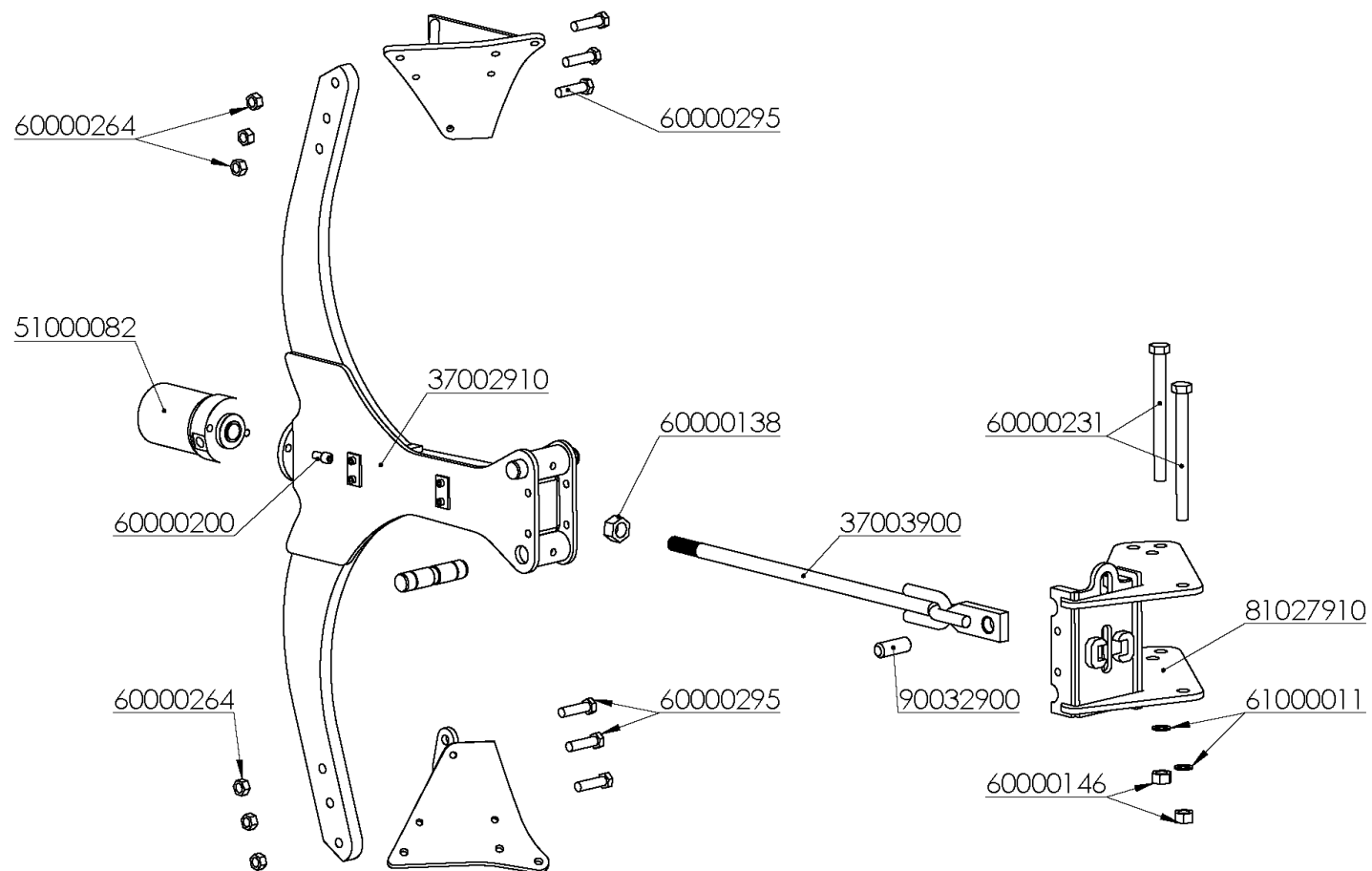


HYDRAULIC HOSE HOLDER

REFERENCIA	DESCRIPCIÓN
53000022	ABRAZ.DOBLE D=19mm. 1D19PP
53000027	ABRAZ.DOBLE D=12mm. 1D12PP
53000086	PLACA RFZO.AB.DOBLE 12 GD1D
53000200	PLACA RFZO.AB.DOBLE 19 GD3D
60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.
60000204	TORN.EXAG.DIN-931 8*120 8.8 ZINC.
60000254	TORN.EXAG.DIN-931 8*100 8.8 ZINC.
95073905	SOPORTE LATIG.SS



BODY NH

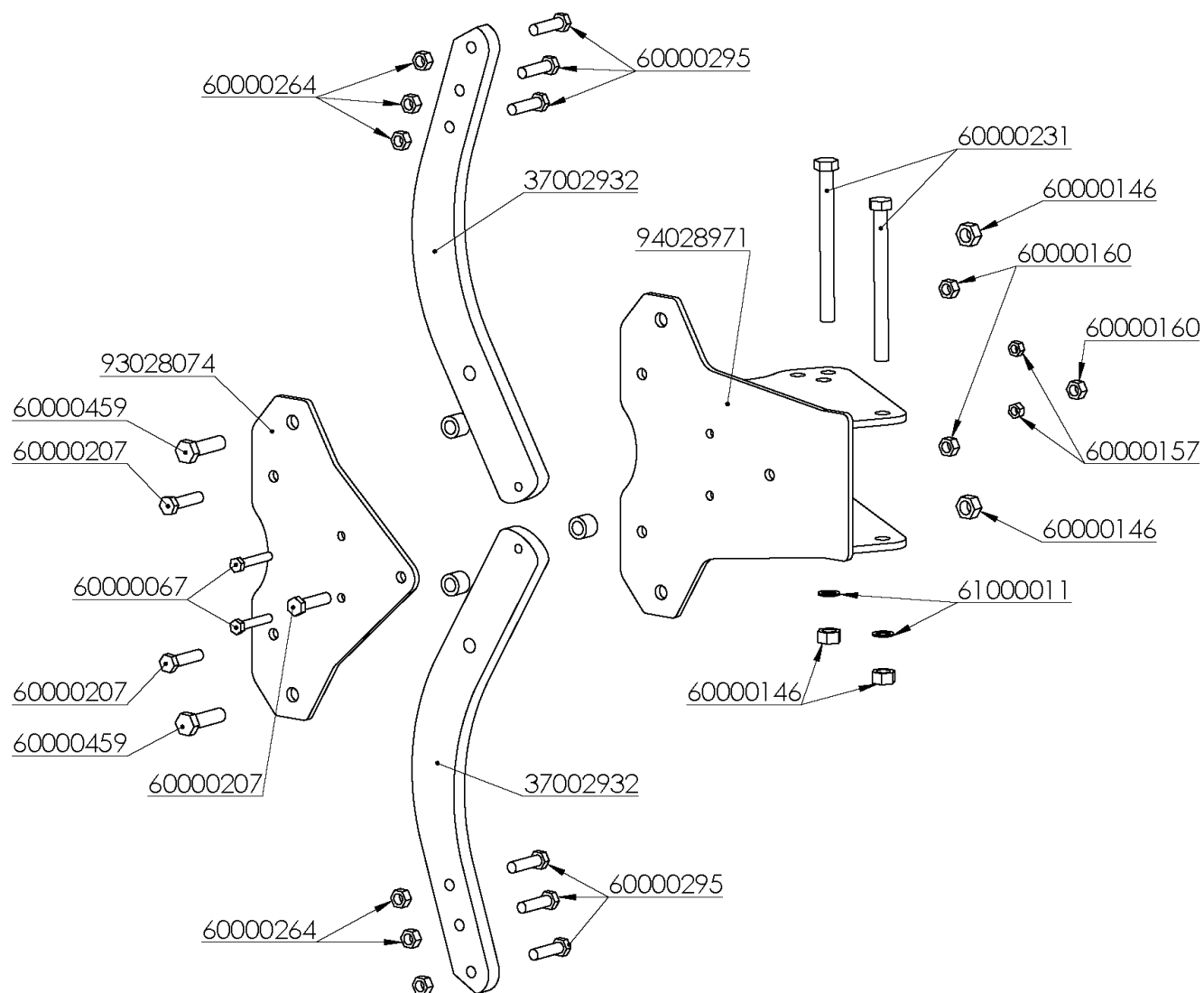


BODY NH

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
37002910	BRAZO PORTACAMBA NH	60000231	TORN.EXAG.C/LAR.20*225 12.9
37003900	BARRA TENSORA MR	60000264	TUER.AUTO.DIN-980 16 10.9 ZINC.
51000082	CILIND.TRACCION 90/36/60 AR PINTADO RAL 3001	60000295	TORN.EXAG.DIN-931 16* 60 12.9
60000138	TUER.AUTO.DIN-980 1"SAE 10.9 ZINC.	61000011	ARAND.DIN-125 20 ZINC.
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	81027910	SOP.ARTIC.CAMBA MH
60000200	TORN.ALLEN DIN-912 12* 25 8.8 ZINC.	90032900	BULON D=25* 70mm.TIRO BARRA TENSORA



BODY NF

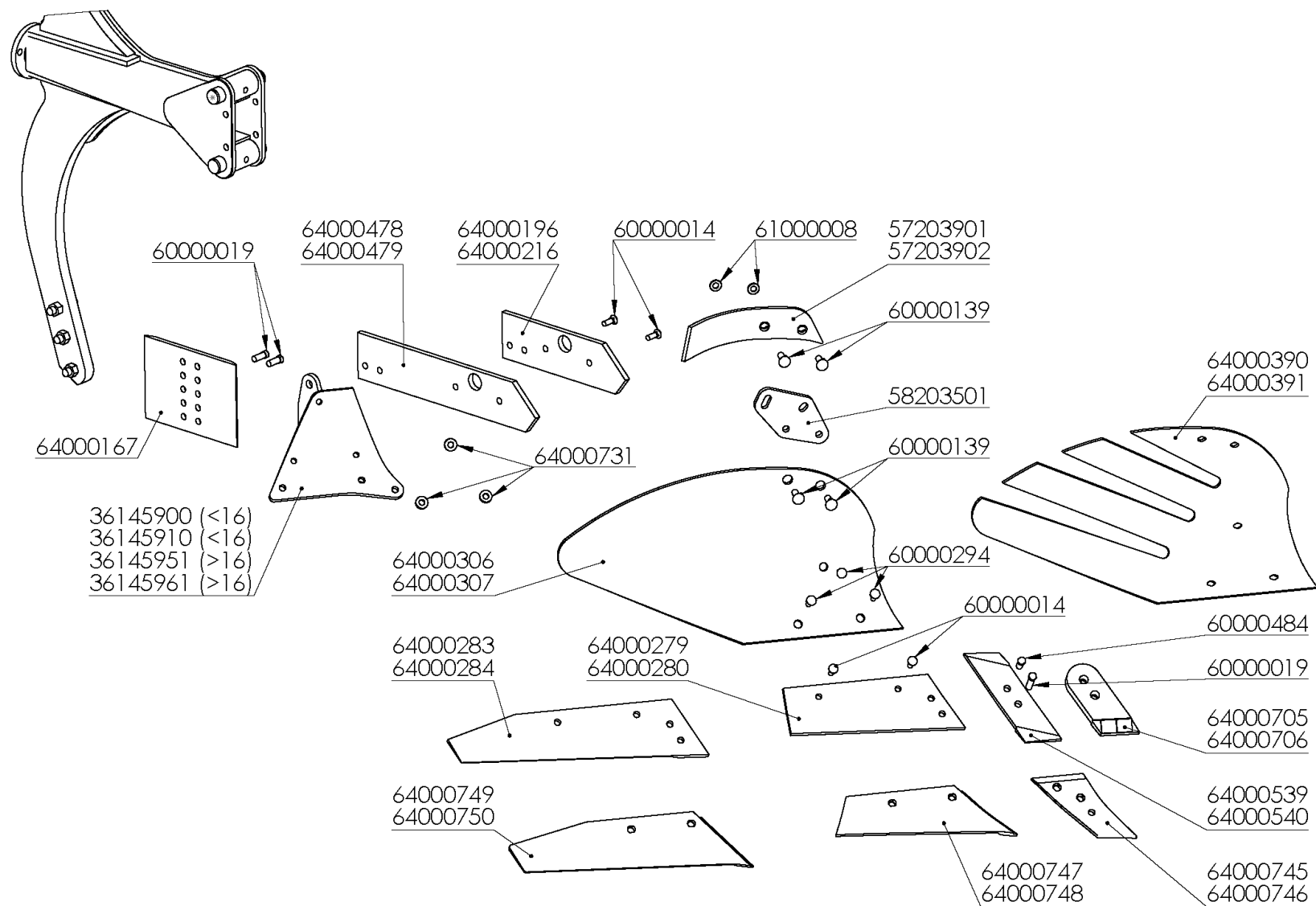


BODY NF

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
37002932	CAMBA NF 25mm.	60000264	TUER.AUTO.DIN-980 16 10.9 ZINC.
60000067	TORN.EXAG.DIN-931 12* 70 8.8 ZINC.	60000295	TORN.EXAG.DIN-931 16* 60 12.9
60000146	TUER.AUTO.DIN-980 20 10.9 ZINC. CON SOBREGOLPE	60000459	TORN.EXAG.C/LAR. 20* 70 10.9
60000157	TUER.EXAG.DIN-934 12 8.8 ZINC	61000011	ARAND.DIN-125 20 ZINC.
60000160	TUER.EXAG.DIN-934 16 8.8 ZINC.	93028074	PLACA PORTACAMBA EXT.MMF
60000207	TORN.EXAG.DIN-931 16* 65 8.8	94028971	SOP.ARTIC.CAMBA MMF
60000231	TORN.EXAG.C/LAR.20*225 12.9		



BODY ASSEMBLY

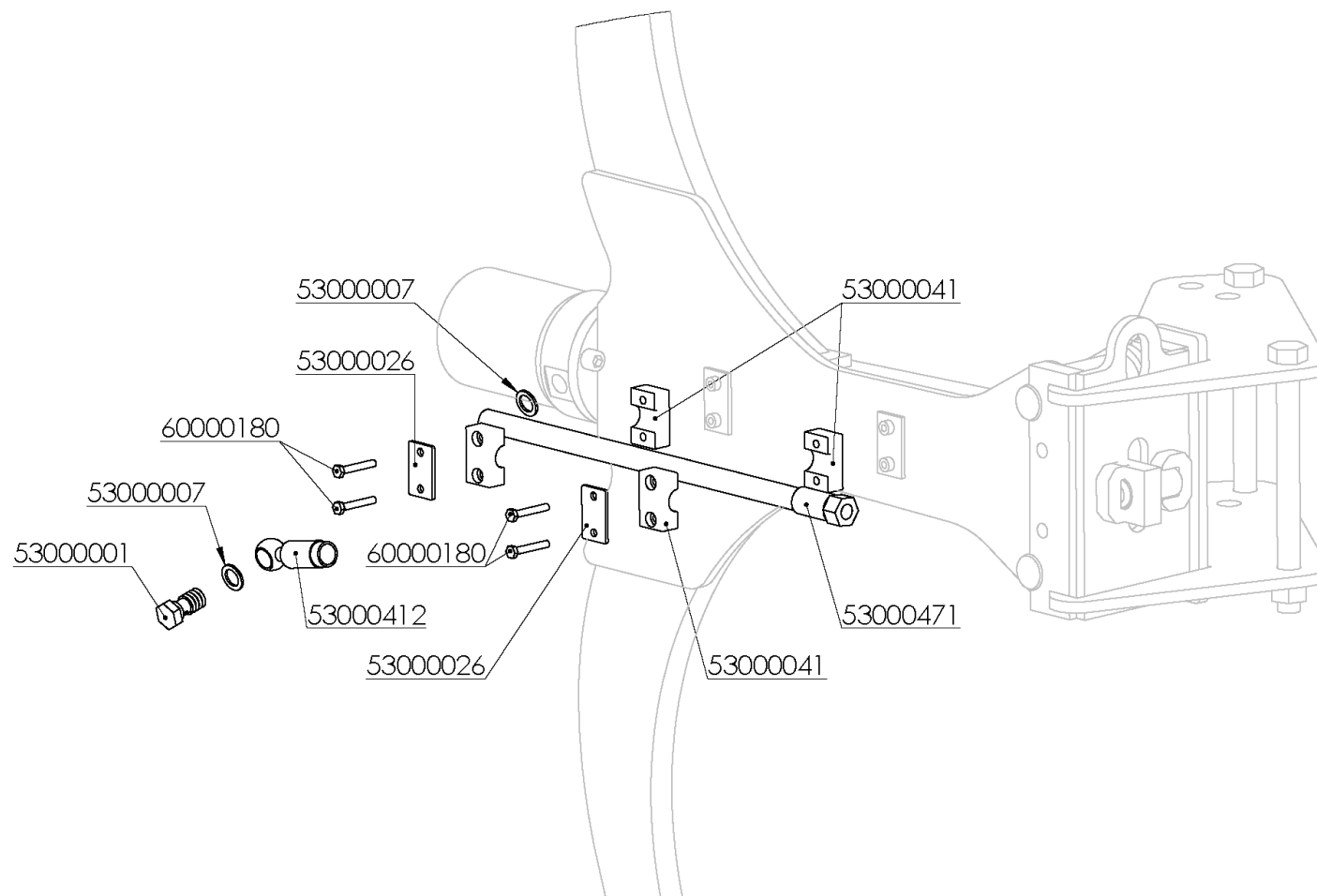


BODY ASSEMBLY

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
36145900	PORTA-REJAS DCH. 1701-A	64000284	REJA 1329B-11-I-CAV LARGA
36145910	PORTA-REJAS IZQD.1701-A	64000306	VERTEDERA BORO 1741-D-CAV
36145951	PORTA-REJAS DCH.1741N	64000307	VERTEDERA BORO 1741-I-CAV
36145961	PORTA-REJAS IZQD.1741N	64000390	VERTEDERA BORO 1741-D-CAVT
57203901	DEFLECTOR ECO-D	64000391	VERTEDERA BORO 1741-I-CAVT
57203902	DEFLECTOR ECO-I	64000478	COSTANERA MINI LARGA-D
58203501	SOPORTE CUBRE RASTROJO 1741	64000479	COSTANERA MINI LARGA-I
60000014	TORN.ARADO C/OV/934 12*33 12.9	64000539	PUNTA REJA MINI D (D/14)
60000019	TORN.ARADO C/OV/934 12*36 12.9	64000540	PUNTA REJA MINI I (D/14)
60000139	TORN.ARADO 2TET/934 12*35 8.8 ZINC.	64000705	PUNTA REJA MINI-D C/TUNGSTENO Y APORTE
60000294	TORN.ARADO 2TET/934 10*30 10.9 ZINC.	64000706	PUNTA REJA MINI-I C/TUNGSTENO Y APORTE
60000484	TORN.ARADO C/OV/934 12*45 12.9	64000731	ARAND.GOMA ADHESIVA M-12 REFORZADA
61000008	ARAND.DIN-125 12 ZINC.	64000745	PUNTA REJA MINI DCHA.2 MITADES 253
64000167	TALONERA 2357	64000746	PUNTA REJA MINI IZQ.2 MITADES 253
64000196	COSTANERA MINI 2368-D-CAV	64000747	COLA CORTA REJA MINI DCHA.2 MITADES 253
64000216	COSTANERA MINI 2368-I-CAV	64000748	COLA CORTA REJA MINI IZQ.2 MITADES 253
64000279	REJA 1329C-11-D-CAV	64000749	COLA LARGA REJA MINI DCHA.2 MITADES 253
64000280	REJA 1329C-11-I-CAV	64000750	COLA LARGA REJA MINI IZQ.2 MITADES 253
64000283	REJA 1329B-11-D-CAV LARGA		



HYDRAULIC SYSTEM LEG

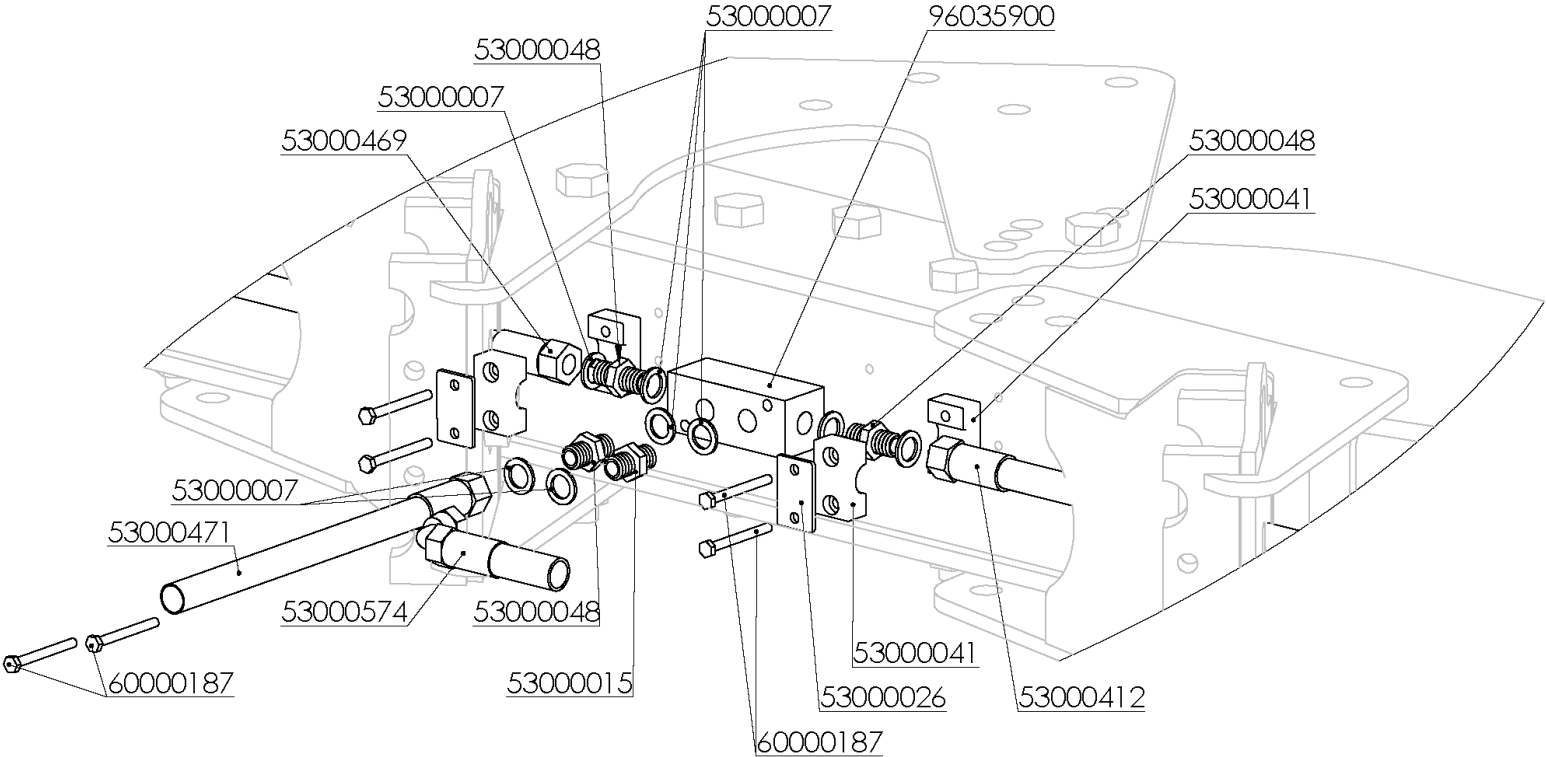


HYDRAULIC SYSTEM LEG

REFERENCIA	DESCRIPCIÓN
53000001	TORNILLO SIMPLE 3/8 4022
53000007	JUNTA METAL/GOMA 3/8" 11602
53000026	PLACA RFZO.AB.SIMPLE 20 DP3
53000041	ABRAZ.SIMPLE D=19mm. 319PP
53000412	LATIG.R2-3/8*1370mm.OR-3/8/TL-18
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18
60000180	TORN.EXAG.DIN-931 6* 40 8.8 ZINC.



HYDRAULIC SYSTEM INTAKE

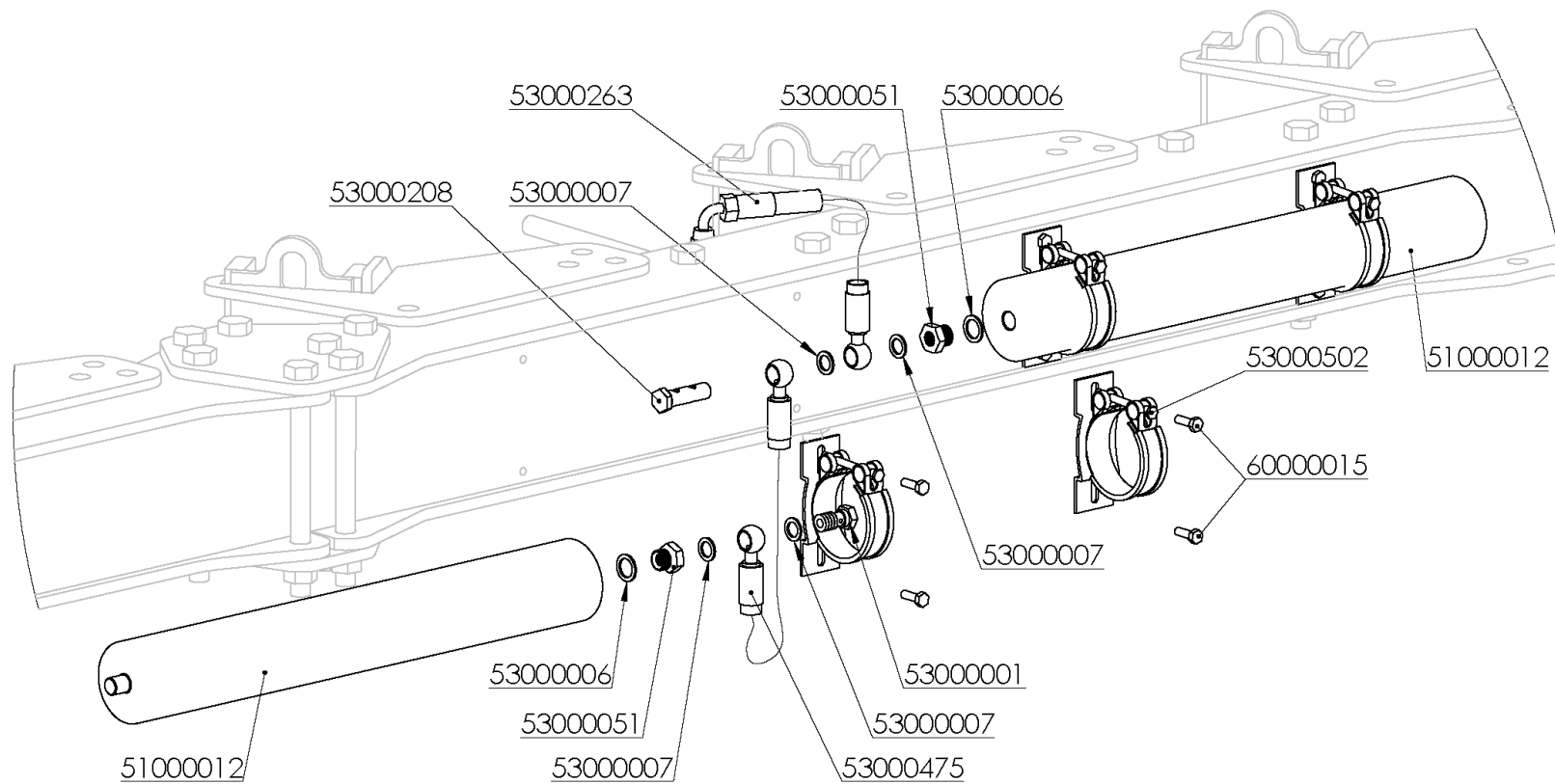


HYDRAULIC SYSTEM INTAKE

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000007	JUNTA METAL/GOMA 3/8" 11602	53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18
53000015	UNION MACHO 3/8 4062	53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18
53000026	PLACA RFZO.AB.SIMPLE 20 DP3	53000574	LATIG.R2-3/8*2590mm.MF-1/2/CTL-3/8
53000041	ABRAZ.SIMPLE D=19mm. 319PP	60000187	TORN.EXAG.DIN-931 6* 60 8.8 ZINC.
53000048	UNION MACHO BSP 3/8-12 GE12-L	96035900	SOP.TOMAS HIDRAULICAS
53000412	LATIG.R2-3/8*1370mm.OR-3/8/TL-18		



ACCUMULATOR HYDRAULIC SYSTEM (Front)

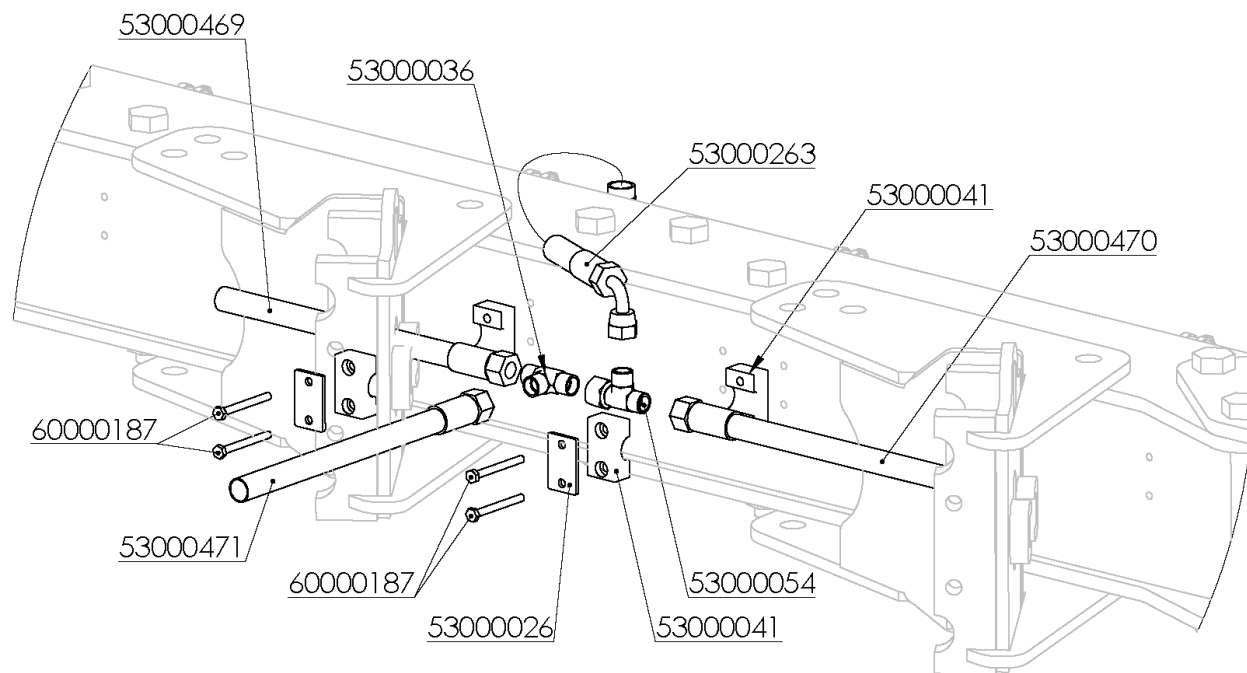


ACCUMULATOR HYDRAULIC SYSTEM (Front)

REFERENCIA	DESCRIPCIÓN
51000012	ACUMULADOR PISTON PO20A34N1-AC RAL-7047
53000001	TORNILLO SIMPLE 3/8 4022
53000006	JUNTA METAL/GOMA 1/2" 11603
53000007	JUNTA METAL/GOMA 3/8" 11602
53000051	REDUCTOR 1/2-3/8 4171
53000208	TORNILLO DOBLE 3/8" 4032
53000263	LATIG.R2-3/8* 450mm.OR-3/8/CTL-18
53000475	LATIG.R2-3/8* 300mm.OR-3/8/OR-3/8
53000502	ABRAZ.ACUMULADOR 80/88 MPC
60000015	TORN.EXAG.DIN-933 8* 25 8.8 ZINC.



ACCUMULATOR HYDRAULIC SYSTEM (Rear)

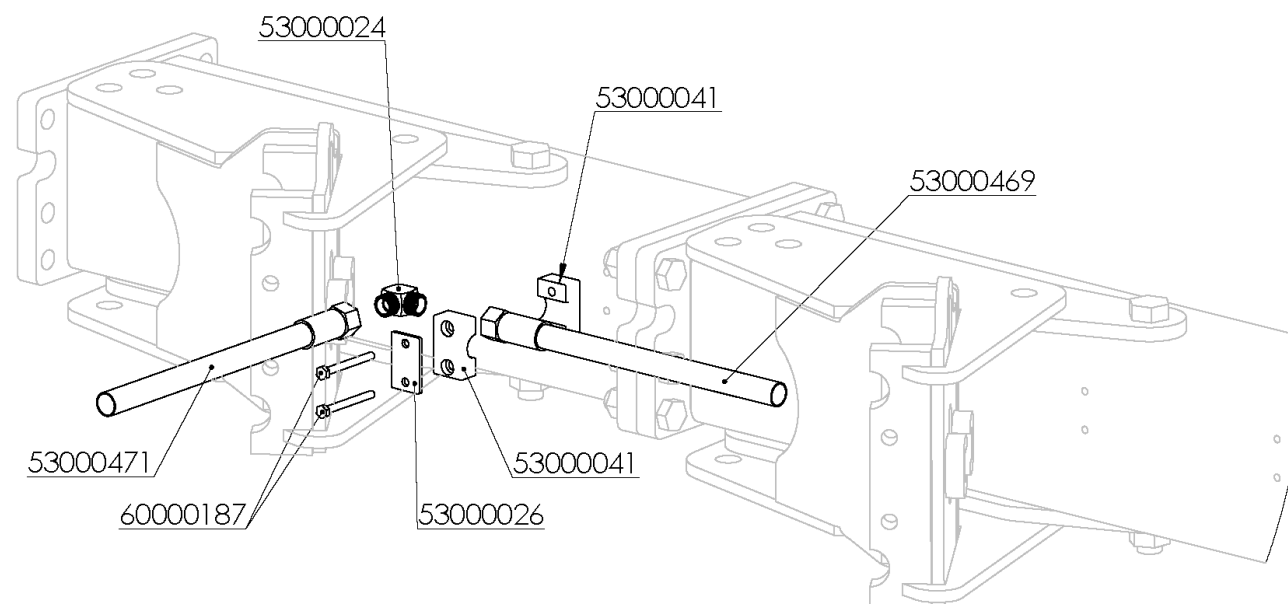


ACCUMULATOR HYDRAULIC SYSTEM (Rear)

REFERENCIA	DESCRIPCIÓN
53000026	PLACA RFZO.AB.SIMPLE 20 DP3
53000036	TE UNION IGUAL 12 T12-L
53000041	ABRAZ.SIMPLE D=19mm. 319PP
53000054	TE C/TCA.LOCA LATERAL 12 EVL12-PL
53000263	LATIG.R2-3/8* 450mm.OR-3/8/CTL-18
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18
53000470	LATIG.R2-3/8* 545mm.TL-18/TL-18
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18
60000187	TORN.EXAG.DIN-931 6* 60 8.8 ZINC.



HYDRAULIC SYSTEM MODULE

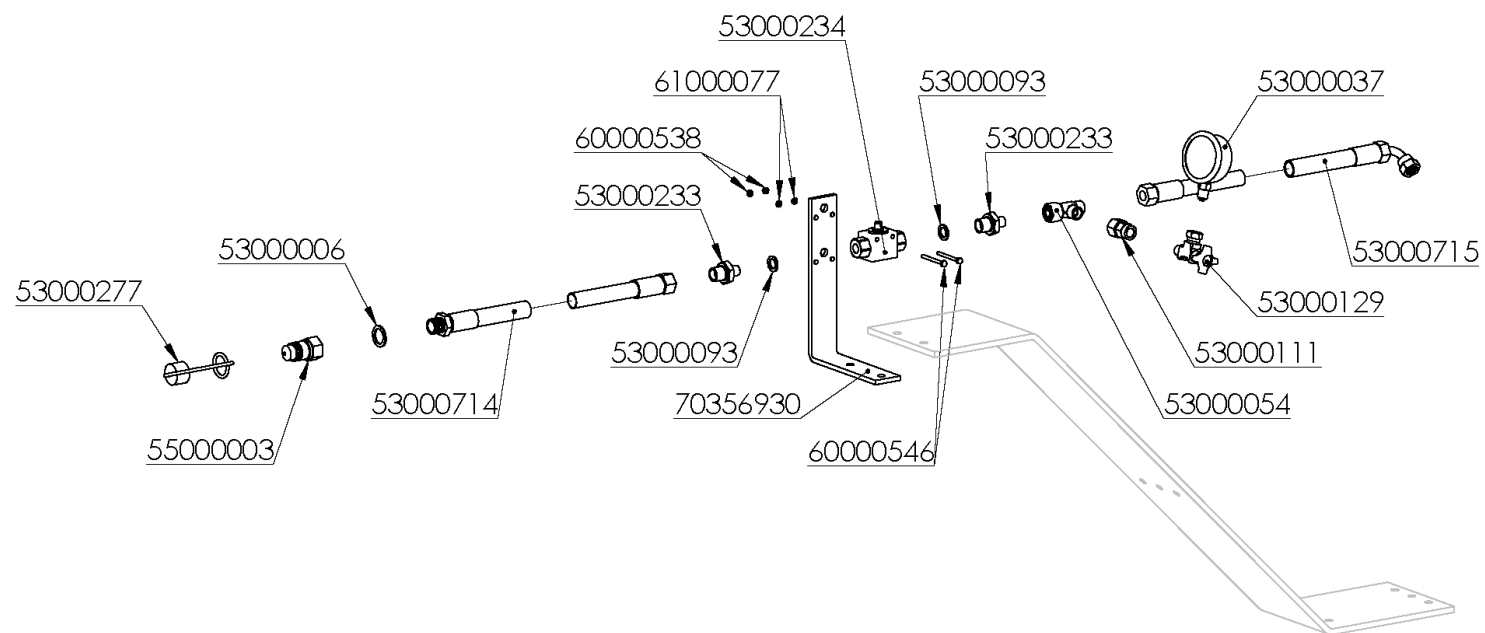


HYDRAULIC SYSTEM MODULE

REFERENCIA	DESCRIPCIÓN
53000024	CODO TUBO/TUBO 12mm. W12-L
53000026	PLACA RFZO.AB.SIMPLE 20 DP3
53000041	ABRAZ.SIMPLE D=19mm. 319PP
53000469	LATIG.R2-3/8* 613mm.TL-18/TL-18
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18
60000187	TORN.EXAG.DIN-931 6* 60 8.8 ZINC.



CHARGE HYDRAULIC HOSE

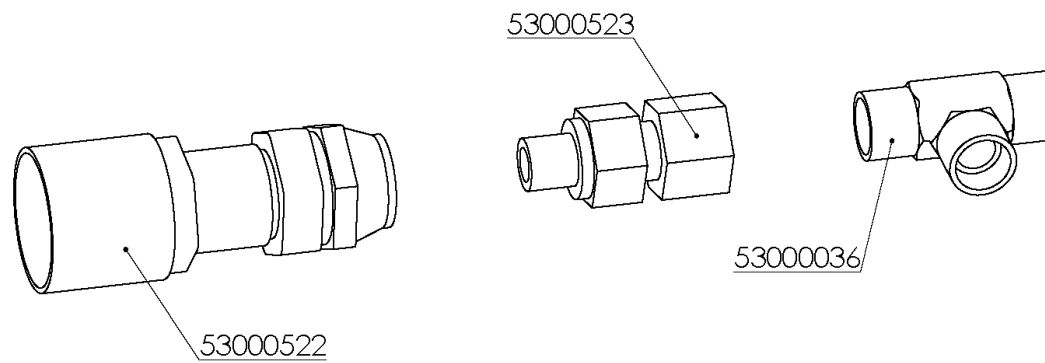


CHARGE HYDRAULIC HOSE

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
53000006	JUNTA METAL/GOMA 1/2" 11603	53000277	PROTECTOR E.R.MACHO 1/2" AZUL 5029-4PB
53000037	MANOM.GLIC.63 0-315 (MOD.OVLAC) 263R0-315	53000714	LATIG.R2-3/8*2150mm.MF-1/2/TL-18
53000054	TE C/TCA.LOCA LATERAL 12 EVL12-PL	53000715	LATIG.R2-3/8*2850mm.CTL-3/8/TL-18
53000093	JUNTA METAL GOMA 1/4 11601	55000003	ADAPTADOR E.R.FASTER 1/2" 30410108
53000111	UNION HEMBRA MANOMETRO MAVE12-L	60000538	TUER.AUTO.DIN-985 4 8.8 ZINC.
53000129	PROTECTOR MANOMETRO CODO 1/4 FT-291	60000546	TORN.EXAG.DIN-931 4* 45 8.8 ZINC.
53000233	UNION MACHO BSP 12-1/4 GE12-L1/4	61000077	ARAND.DIN-125 4 ZINC.
53000234	VALV.ESFERA 2/2 1/4 GE2 DN6	70356930	LLANTA AMARRE SOPORTE LATIG. MCH-A



QUICK CONNECT NH BASE

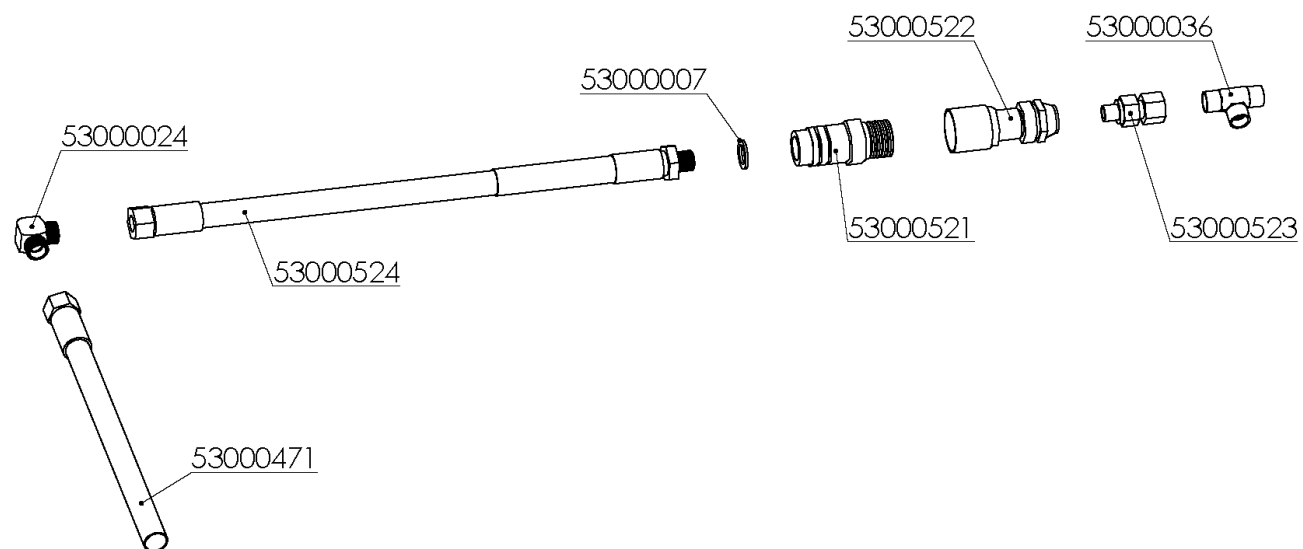


QUICK CONNECT NH BASE

REFERENCIA	DESCRIPCIÓN
53000036	TE UNION IGUAL 12 T12-L
53000522	CONECTOR ROSCADO 3/8 HEMBRA LEK-PVT4-3/8F
53000523	MACHO GAS 3/8 TUERCA LOCA 12 VG-TN126AGG12L



QUICK CONNECTION END MODULE NH

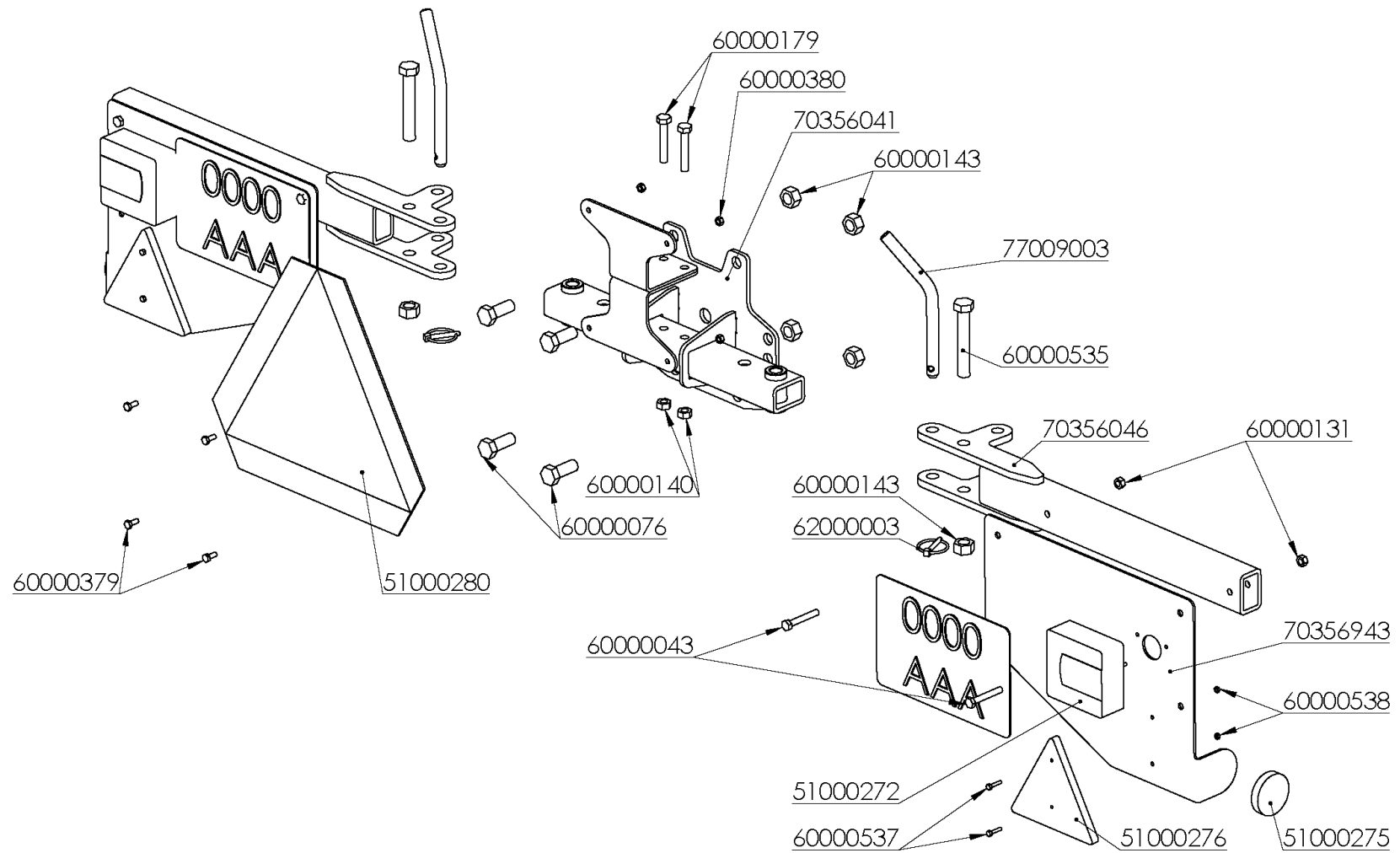


QUICK CONNECTION END MODULE NH

REFERENCIA	DESCRIPCIÓN
53000007	JUNTA METAL/GOMA 3/8" 11602
53000024	CODO TUBO/TUBO 12mm. W12-L
53000036	TE UNION IGUAL 12 T12-L
53000471	LATIG.R2-3/8* 970mm.OR-3/8/TL-18
53000521	CONECTOR ROSCADO 3/8 MACHO LEK-PVT4-3/8M
53000522	CONECTOR ROSCADO 3/8 HEMBRA LEK-PVT4-3/8F
53000523	MACHO GAS 3/8 TUERCA LOCA 12 VG-TN126AGG12L
53000524	LATIG.R2-3/8* 480mm.MF-3/8/TL-18



REAR SIGNALING



REAR SIGNALING

REFERENCIA	DESCRIPCIÓN	REFERENCIA	DESCRIPCIÓN
51000272	PILOTO TRASERO LED 02007DHLED3 DCHO.	60000379	TORN.EXAG.DIN-933 6* 16 8.8 ZINC.
51000275	CATADIOPTRICO AMBAR 04007	60000380	TUER.AUTO.DIN-985 6 8.8 ZINC.
51000276	TRIANGULO ROJO 04010	60000535	TORN.EXAG.DIN-931 16*100 8.8 ZN.
51000280	PANEL PLACA V-5 VEHICULO LENTO 06050	60000537	TORN.EXAG.DIN-933 4* 20 8.8 ZINC.
60000043	TORN.EXAG.DIN-931 8* 55 8.8 ZINC.	60000538	TUER.AUTO.DIN-985 4 8.8 ZINC.
60000076	TORN.EXAG.DIN-933 16* 40 8.8 ZINC.	62000003	PASADOR ANILLA 6 ZINC.
60000131	TUER.AUTO.DIN-980 8 8.8 ZINC.	70356041	PLACA BASE SOP.SEÑAL.SS
60000140	TUER.AUTO.DIN-980 10 8.8 ZINC.	70356046	OREJA BRAZO SEÑAL.SS
60000143	TUER.AUTO.DIN-980 16 8.8 ZINC.	70356943	PLACA DCH. SEÑALIZACION SS
60000179	TORN.EXAG.DIN-931 10* 60 10.9 ZINC.	77009003	BULON D=16*235mm.ACODADO





Polígono Industrial, C/ TAF, P163
34200 - Venta de Baños
Palencia - España



+34 979 76 10 11



comercial@ovlac.com



www.ovlac.com