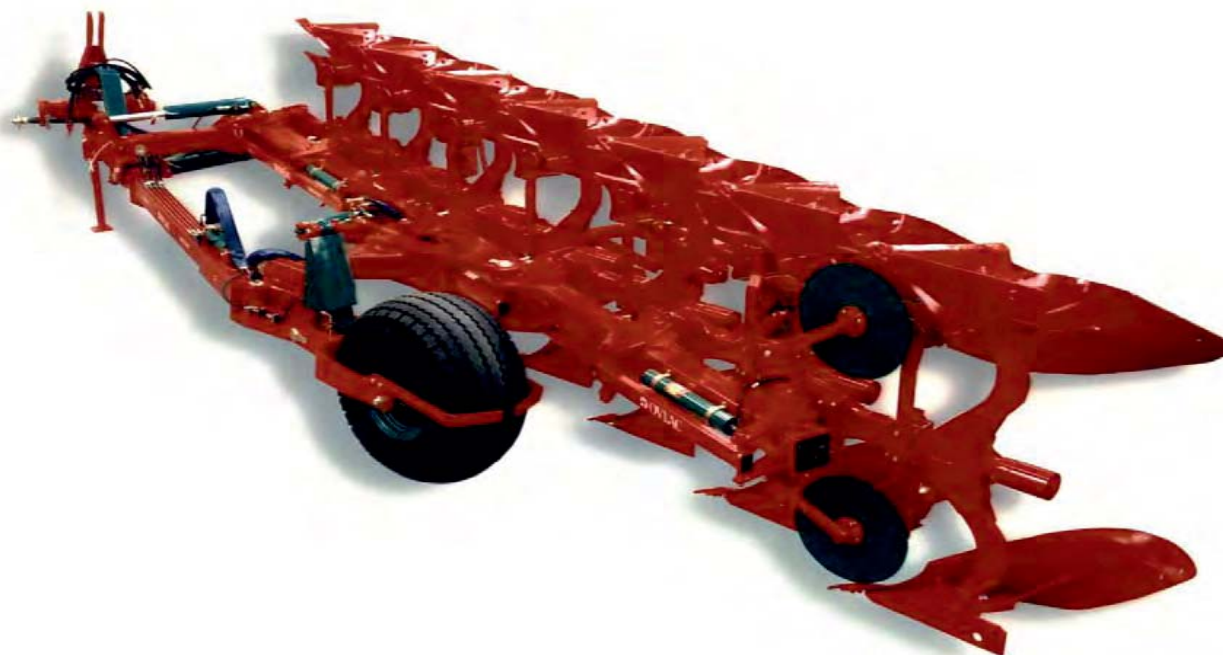




ovlac



INSTRUCTIONS AND SPARE PARTS

REV : 2014 - 08



SL-SS

OBSERVATIONS

This handbook describes the use, maintenance instructions and spare parts, supplied for the indicated plough.

The farming implement known as a "plough" is designed to work the soil, linked to a tractor with lift and universal 3-point coupling.

Regular and satisfactory operation together with economic and long lasting use of the implement depend on compliance with the instructions given in this handbook. It is, therefore, advisable to strictly comply with the following instructions in order to prevent faults which could jeopardize the correct and long-lasting operation of the implement.

Compliance with the instructions in this handbook is also important **since the Manufacturer declines all and every responsibility caused by negligence and failure to comply with these instructions.**

The Manufacturer shall, however, remain at the customers disposal for immediate and thorough assistance together with anything else that may be required in order to ensure the correct operation and maximum efficiency of the implement. The Manufacturer reserves the right to make any modifications and improvements to the implement as may be considered opportune, without being obliged to immediately inform the user.

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1.- TECHNICAL DATA

MODEL	WORKING WIDTH (cm)	UNDERBEAM CLEARANCE	POINT TO POINT CLEARANCE	APPROX WEIGHT (kg)
SLF-5	16"-18"-20"-22"	72 / 78 cm	100 cm	2520
SLF-6	16"-18"-20"-22"	72 / 78 cm	100 cm	2715
SLF-7	16"-18"-20"-22"	72 / 78 cm	100 cm	2910
SLF-8	16"-18"-20"-22"	72 / 78 cm	100 cm	3920
SSF-5	12"-20"	72 / 78 cm	100 cm	2910
SSF-6	12"-20"	72 / 78 cm	100 cm	3150
SSF-7	12"-20"	72 / 78 cm	100 cm	3395
SSF-8	12"-20"	72 / 78 cm	100 cm	3825
SLB-5	16"-18"-20"-22"	72 / 78 cm	100 cm	2950
SLB-6	16"-18"-20"-22"	72 / 78 cm	100 cm	3230
SLB-7	16"-18"-20"-22"	72 / 78 cm	100 cm	3510
SLB-8	16"-18"-20"-22"	72 / 78 cm	100 cm	3980
SSB-5	12"-20"	72 / 78 cm	100 cm	3275
SSB-6	12"-20"	72 / 78 cm	100 cm	3590
SSB-7	12"-20"	72 / 78 cm	100 cm	3905
SSB-8	12"-20"	72 / 78 cm	100 cm	4410
SLH-5	16"-18"-20"-22"	72 / 78 cm	100 cm	2850
SLH-6	16"-18"-20"-22"	72 / 78 cm	100 cm	3110
SLH-7	16"-18"-20"-22"	72 / 78 cm	100 cm	3370
SLH-8	16"-18"-20"-22"	72 / 78 cm	100 cm	3820
SSH-5	12"-20"	72 / 78 cm	100 cm	3150
SSH-6	12"-20"	72 / 78 cm	100 cm	3450
SSH-7	12"-20"	72 / 78 cm	100 cm	3760
SSH-8	12"-20"	72 / 78 cm	100 cm	4260

2.- SAFETY PROVISIONS

- **Thoroughly read all the plough use instructions**
- **The Manufacturer declines all and every responsibility for failure to comply with the safety and accident-preventing rules described herein.**

1.- Comply with the instructions given by the danger signals exposed in this handbook (Fig.1) and affixed to the plough itself.

2.- Operations and adjustments to the implement must always be carried out when the engine is off and the tractor braked.

3.- It is absolutely forbidden to carry passengers or animals on the equipment

4.- It is absolutely forbidden for persons without a driving license, inexpert persons or those in precarious health conditions to drive the tractor with the equipment mounted.

5.- Strictly comply with all the recommended accident preventing measures described in this handbook.

6.- Assembly of an implement on the tractor will shift the weights on the axles.

7.- Before starting the tractor and equipment, always check that all safety devices guarding transport and use are in perfect conditions.

8.- The instructions labels affixed to the equipment give useful advice on how to prevent accidents.

9.- Always comply with the highway code in force in your country when travelling on public roads.

10.- Comply with the maximum permissible weight on the axle of the tractor, the total adjustable weight, transport regulations and the highway code.

11.- Always become familiar with the controls and their operation before starting work.

12.- Take the utmost care during the equipment coupling and release phases

13.- Never ever leave the driving seat whilst the tractor is moving.

14.- Remember that the road holding, steering and breaking capacity may be notably influenced by the presence of a mounted implement

15.- It is absolutely forbidden to stand within the operative range of the machine.

16.- Before leaving the tractor, lower the machine to the ground, stop the engine, engage the hand brake and remove the ignition key from the control panel.

17.- The category of the implement coupling pins must correspond to that of the lift coupling.

18.- Take care when working close to the lift links. This is a very dangerous area.

19.- It is absolutely forbidden to stand between the tractor and the equipment, to manoeuvre the outside lift control.

20.- Set the control lever of the hydraulic lift to the locked position during road transport.

21.- The spare parts must correspond to the requirements established by the Manufacturer. Use only genuine spare parts.

22.- The safety transfers must always be perfectly visible. They must be kept clean and should be replaced if they become illegible. Replacements are available on request from your local dealer.

23.- The instruction manual must be kept for as long as the machine lasts

WARNING

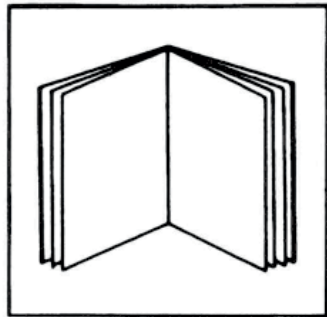
Thoroughly read the manual before starting to work

DANGER

Danger of crushing. Keep safety distance

DANGER

Damage can be caused by the rotation , folded or opened of the equipment. Keep safety distance



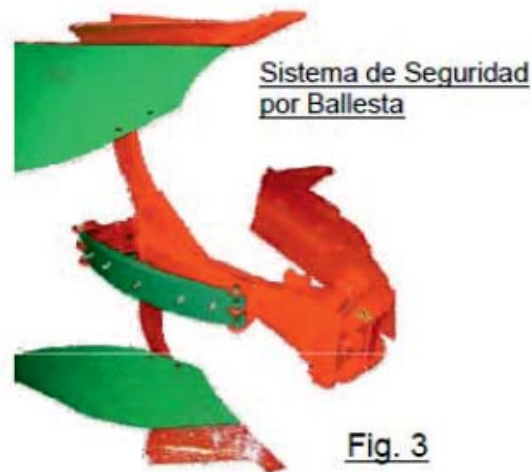
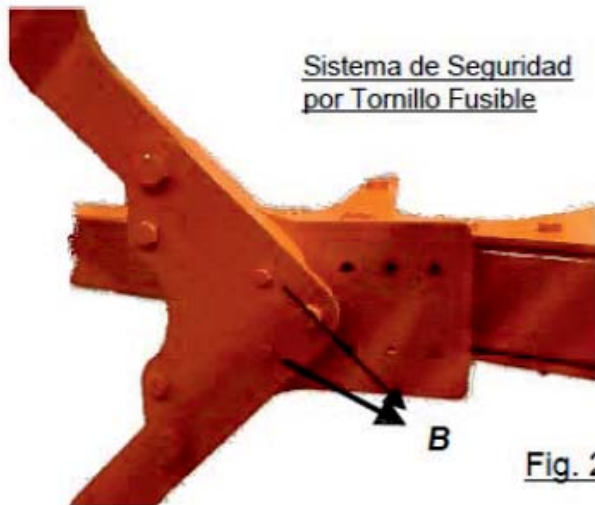
3.- PROTECTION SYSTEMS

3.1.- Shear bolt Protection: In the **SLF and SSF** models, protection is achieved by means of shear bolts (Fig.2). When the share point meets an obstacle, the shear bolt breaks and permits the beam to pivot back around its bedding. To continue work, swing back the beam to its original position and replace the shear bolt B.

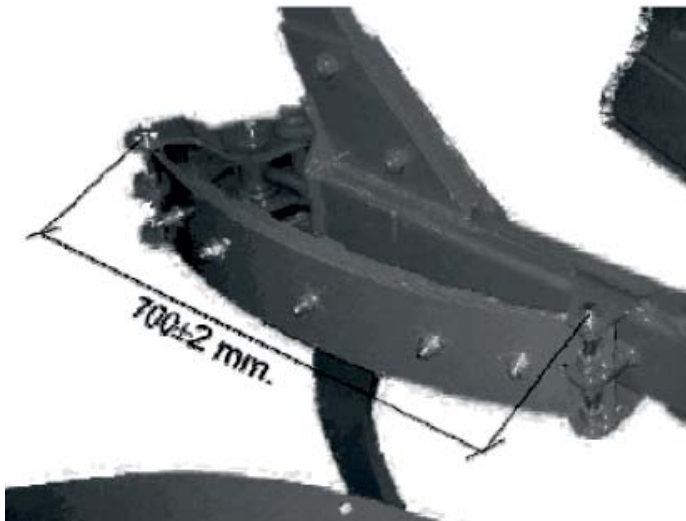
WARNING: use only genuine shear bolts. Other types of bolts may offer a difference resistance and serious damage can be produced. In this case the warranty will be void

3.2.- The Auto Reset protection systems (leafspring or hydraulic) work automatically. When the share meets an obstacle the beam trips up thus overcoming the obstacle and returns back to its original position afterwards with no need to stop the tractor.

This way all the impacts produced by an uneven field are absorbed by the protection system thus protecting all the elements of the plough and of the tractor too. For the same reason, the Auto Reset protection decreases the traction effort by not making the tractor overcome every eventual obstacle.



3.2.1.-Leafspring models (SSB and SLB): In heavy duty conditions one or more leaves can be added to ease penetration of the plough.
Check that the distance of the arch of the spring is always $700 \pm 2\text{mm}$ (Fig.3).



3.2.2.- Hydraulic models (SSH and SLH). In order to adapt the plough to soil conditions, in the hydraulic models the release pressure can be adjusted by means of injecting (heavy conditions) or removing (light conditions) oil from the system

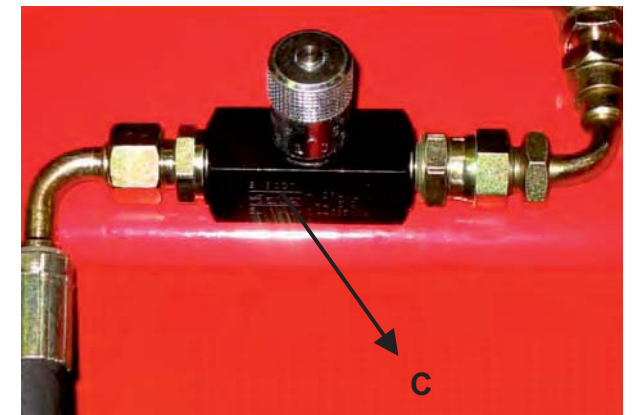
To adjust the working pressure proceed as follows:

- Open valve L (Fig. 5) to read the current pressure on the manometer
- Open valve C (Fig. 5) placed by the varywidth cylinder (SS models) or by the first furrow width cylinder (SL models)
- Act on the corresponding tractor spool valve to increase or decrease the working pressure.
- Once the working pressure is set, close valves L and C

Note: The Auto Reset systems from OVLAC are set at the factory for average conditions. In order to minimize impacts on both the tractor and the plough, we recommend to work at the lowest possible pressure. The maximum working pressure for the hydraulic protection is 140 bar.



Fig. 5



4.- SET TO WORK

4.1.- ATTACHING THE PLOUGH

Before attaching the plough check the following points:

- the lift rods of the tractor must be set to the same length and height
- the wheels of the tractor must have the same pressure and it must be set according to manufacturer's instructions
- the lower links must be fixed in a centered position allowing for a little freedom to prevent side pull.

To attach the plough proceed as follows:

- Attach lower links to the draw bar
- Attach the top link so that the shaft E (Fig. 6) remains vertical while working. Attach the top link in the position of the headstock that allows the maximum verticality when lifting the front
- Place the stay P (Fig. 7) in its working position P1.
- Connect hydraulic hoses to the tractor hydraulic system

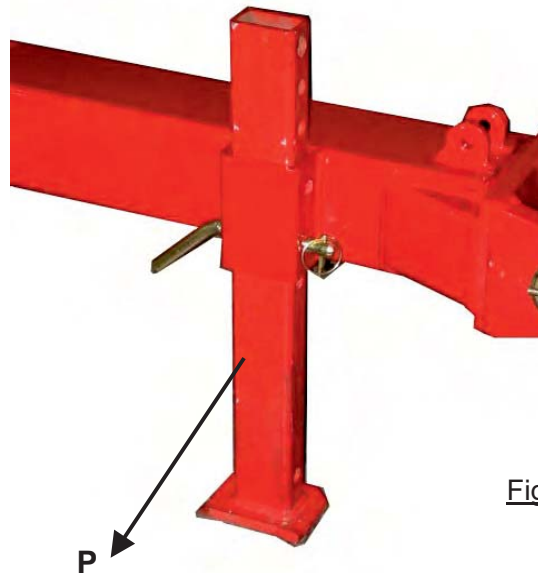
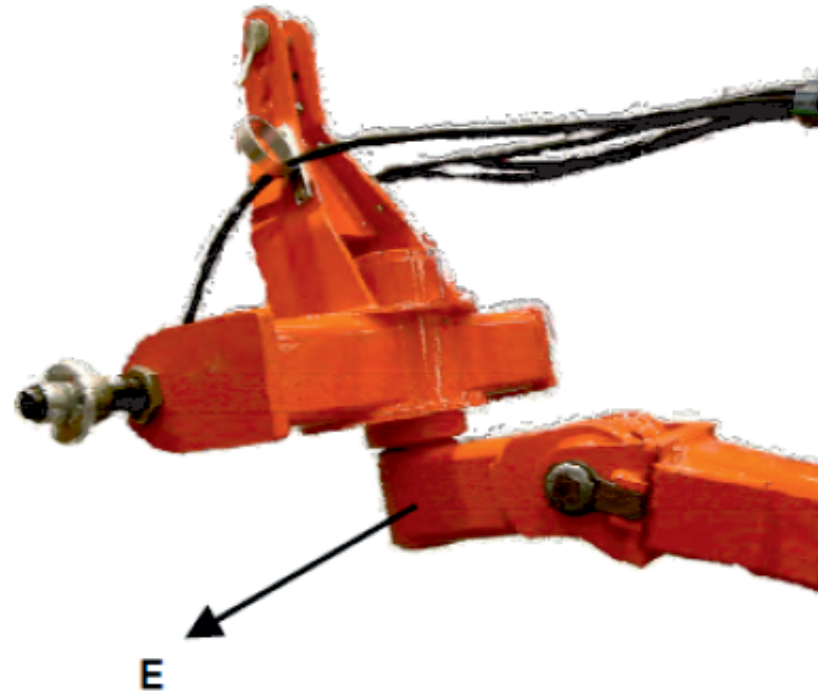


Fig. 7



Fig. 6

To detach proceed as follows:

- Lower the front part of the plough and act on the wheel so the tractor is lowered with the drawing bar in a horizontal position. In this way detaching as well as the next attaching will be much easier.
- Relieve pressure from the spool valves
- Remove hydraulic hoses from the tractor
- Set the stay in its stand position P (Fig.7)
- Remove top link and lower links

4.1.HYDRALIC CONNECTIONS

SS MODELS: 4 double acting spool valves are needed to operate: the turnover device, working width adjustment, working depth adjustment, first furrow width adjustment

SL MODELS: 3 double acting spool valves are needed to operate: the turnover device, working depth adjustment, first furrow width adjustment

If the tractor has less spool valves than needed, the plough can optionally be equipped with electro valves to run two operations with a single spool valve.

4.3.- MOULDBOARDS

Before starting work, the paint on the mouldboards should be removed to avoid that the soil remains adhered.

4.4- WORKING WIDTH

The "**S**"series (**SSF, SSB and SSH**) features the OVLAC exclusive system to adjust hydraulically the furrow width-Varilabor- which allows to choose any working width between 12" (30cm) and 20" (50cm) by means of the cylinder A (Fig.8). The direction of the wheel is adjusted automatically. A fine adjustment may be made if necessary by means of the turnbuckle T

Varying the furrow width permits to adapt the plough to soil conditions and to the power of the tractor.

In the "**L**" series (**SLF, SLB and SLH**) the furrow width can be adjusted manually in steps of 2" (5cm) by means of placing bolt F on the desired position (Fig.9). Positions 1 and 4 correspond to the minimum and maximum width respectively.

The wheel must be set accordingly with respect to the position of the bodies by means of turnbuckle T (Fig.8) so that it runs parallel to the working direction.



Fig 8

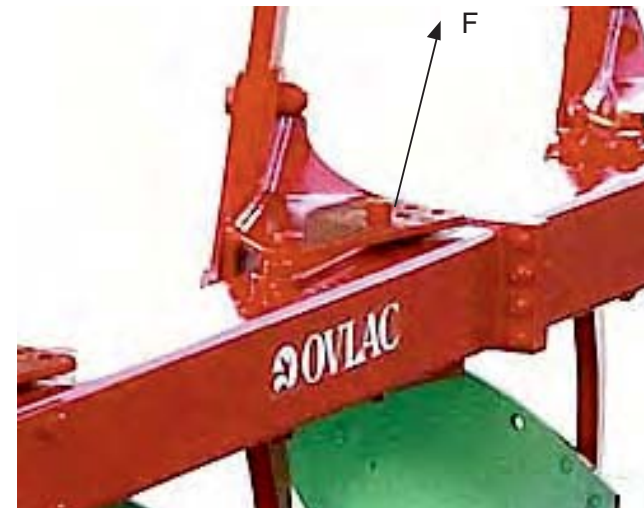


Fig-9

4.5 – ALIGNMENT

During work, the plough must run straight and parallel to the working direction. It is recommended that the inside width between the rear wheels of the tractor is in the range of 130 – 150 cm. To avoid the lateral pull of the plough it is recommended to allow for a certain lateral freedom in the three point linkage. This freedom must be adjusted equally on both sides.

4.6 .- FIRST FURROW WIDTH ADJUSTMENT

The first furrow width is adjusted hydraulically by means of the cylinder A (Fig.10). The longer the ram, the wider the first furrow.



Fig. 10

4.7 .- WORKING DEPTH

The working depth is adjusted hydraulically by means of the cylinder B (Fig.11). The maximum working depth is adjusted by means of nut C on the ram of this cylinder.

In order to achieve a proper turn of the soil it is always advisable that the working width be greater than the working depth.

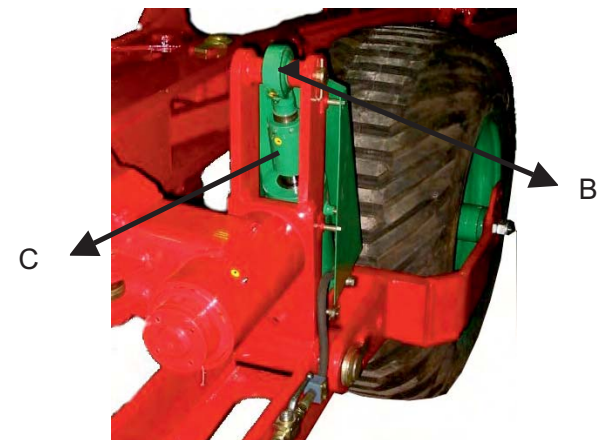


Fig.11

4.8.- OTHER ADJUSTMENTS

Check that the beams work vertically with respect to the field. To achieve this, make sure that the lifting arms of the tractor are set at the same length and act on the stop bolts A below the turn over rams (Fig.12)

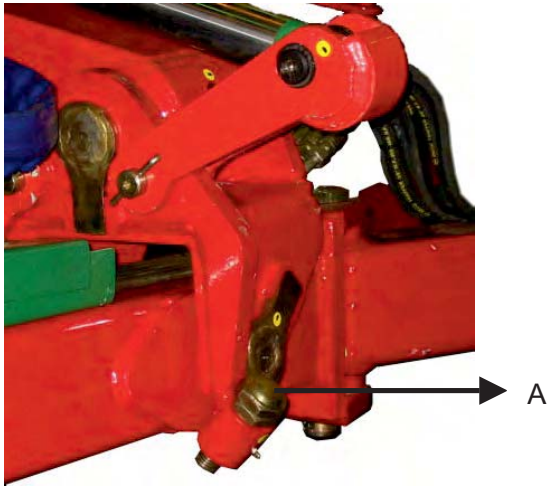


FIG. 12

5.- TRANSPORT AND PARKING

This plough is transported in “butterfly position”. The valves V must be closed so that the turn over mechanism is locked (Fig 13).

For transport, the front part of the plough must be lifted until there is enough clearance between the draw bar and the ground. The rear part must also be lifted by means of the wheel ram and then lowered a bit always maintaining an appropriate clearance to the ground.

Remember the wheel of the plough during transport is rolling just in between the tractor wheels. Be aware of obstacles on having circulated along the ways .

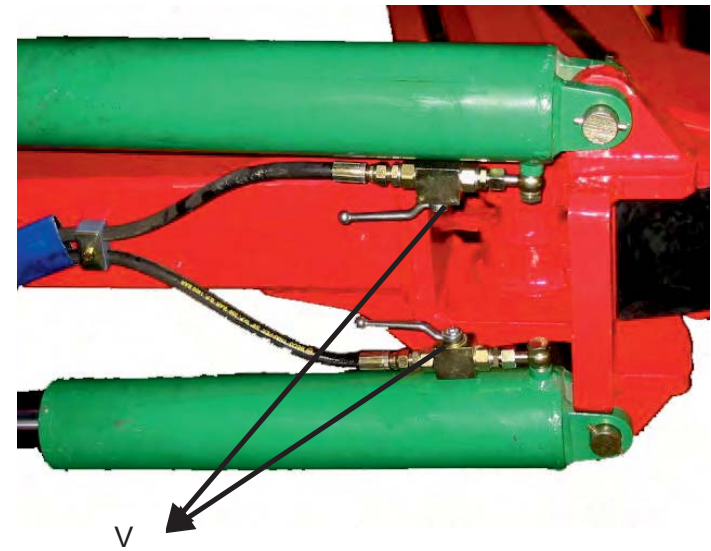
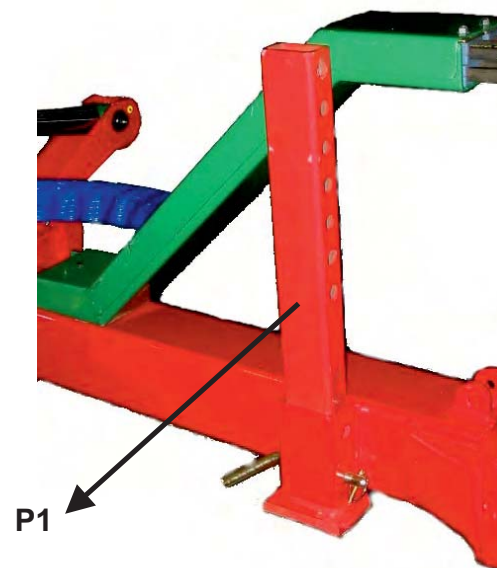
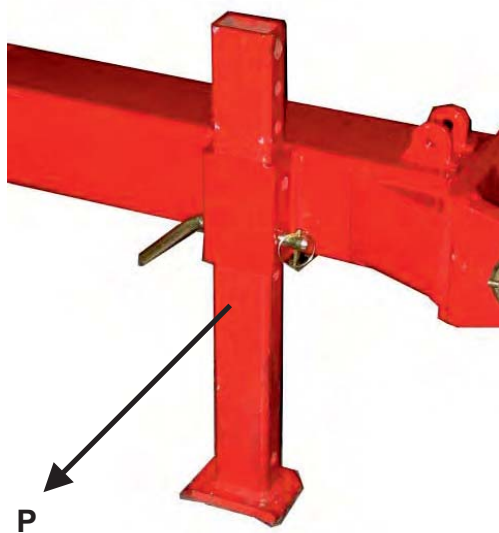


FIG. 13

The stand P (Fig.14) guarantees a steady position when the plough is parked. When parking the plough make sure that the locking pin of the stand is placed in the right hole so that the draw bar is horizontal. When ploughing the stand must be in the position marked as P1.



6.- OPTIONAL EQUIPMENT

6.1.- TRASH BOARDS

The trash boards can be adjusted by means of brackets S provided with slotted holes (Fig.15)

6.2.- SKIMMERS

The working depth of the skimmers must be set at 7cm approximately. The skimmers are adjusted properly when the skimmed slice falls cleanly to the bottom of the furrow. Fixing bolts T must be tightened strongly. (Fig.16, 17)

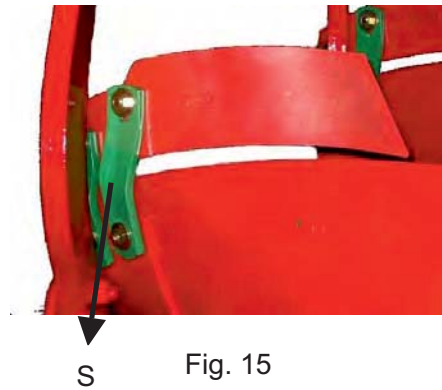


Fig. 15

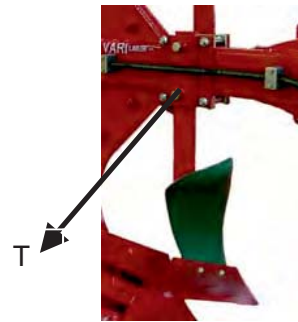


Fig. 16

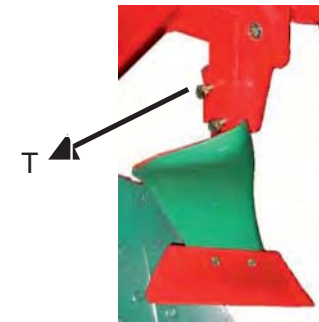


Fig. 17

6.3.- DISC COULTERS

Disc coulters should be set at a working depth of aprox. 8-10 cm and at a distance of aprox. 2cm towards the furrow wall parallel to the landslide .

To adjust the depth, loosen bolt T, turn arm B to the desired position and tighten firmly (Fig 18, 19)

To adjust the discs laterally, loosen clamp A and adjust shank M appropriately (Fig.18, 19)

The turn of arm B must be limited by means of stop G so that the discs do not hit any other element of the plough in the turn over manoeuvre.

Auto reset coulters are also available. To adjust its depth place bolt D in the desired position (Fig.20)

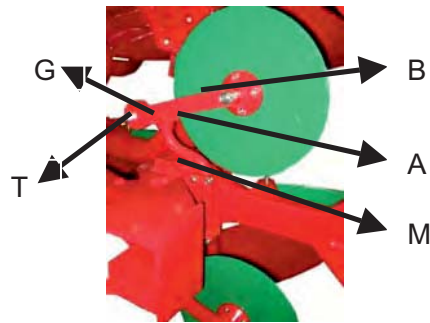


Fig. 18



Fig. 19

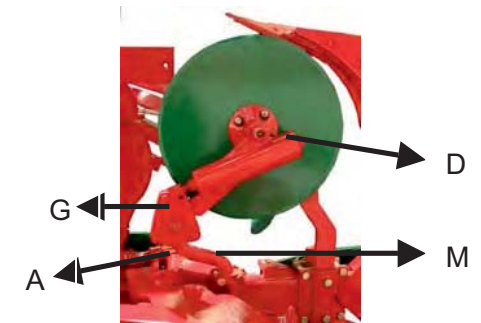


Fig. 20

6.4.- OTHER OPTIONS

Other options are available such as share knives, lanslide extension or mouldboard presses.

7.- MAINTENANCE

The points marked in Fig. 21 and 22 must be greased with the following periodicity:

- 1- every 10 working hours
- 2- every 50 working hours
- 3- every 100 working hours

As a general rule, all of these points should be greased before and after every season.

IMPORTANT: Check regularly that all bolts and nuts are properly tightened.

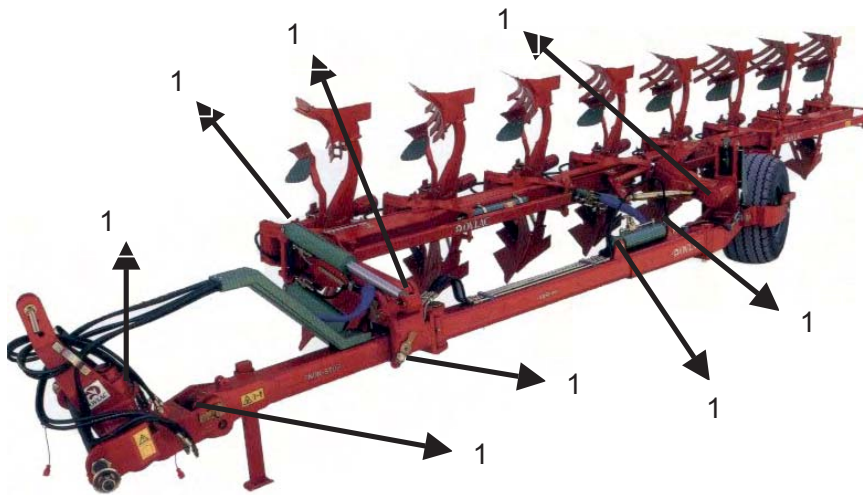


Fig. 21

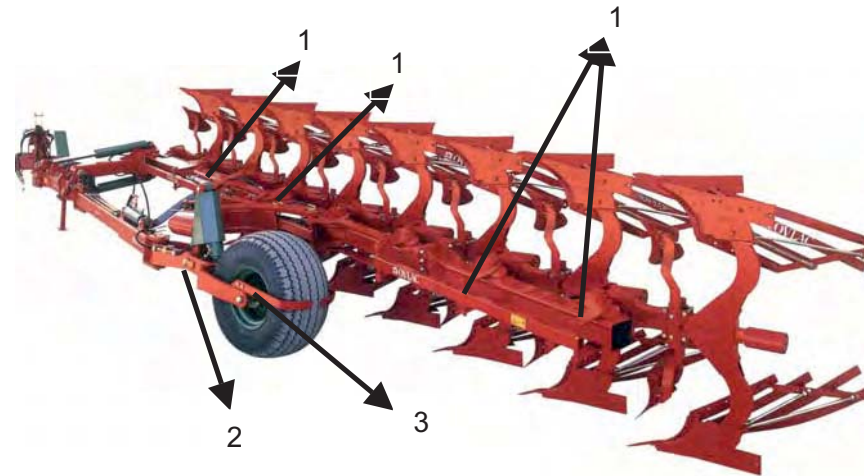
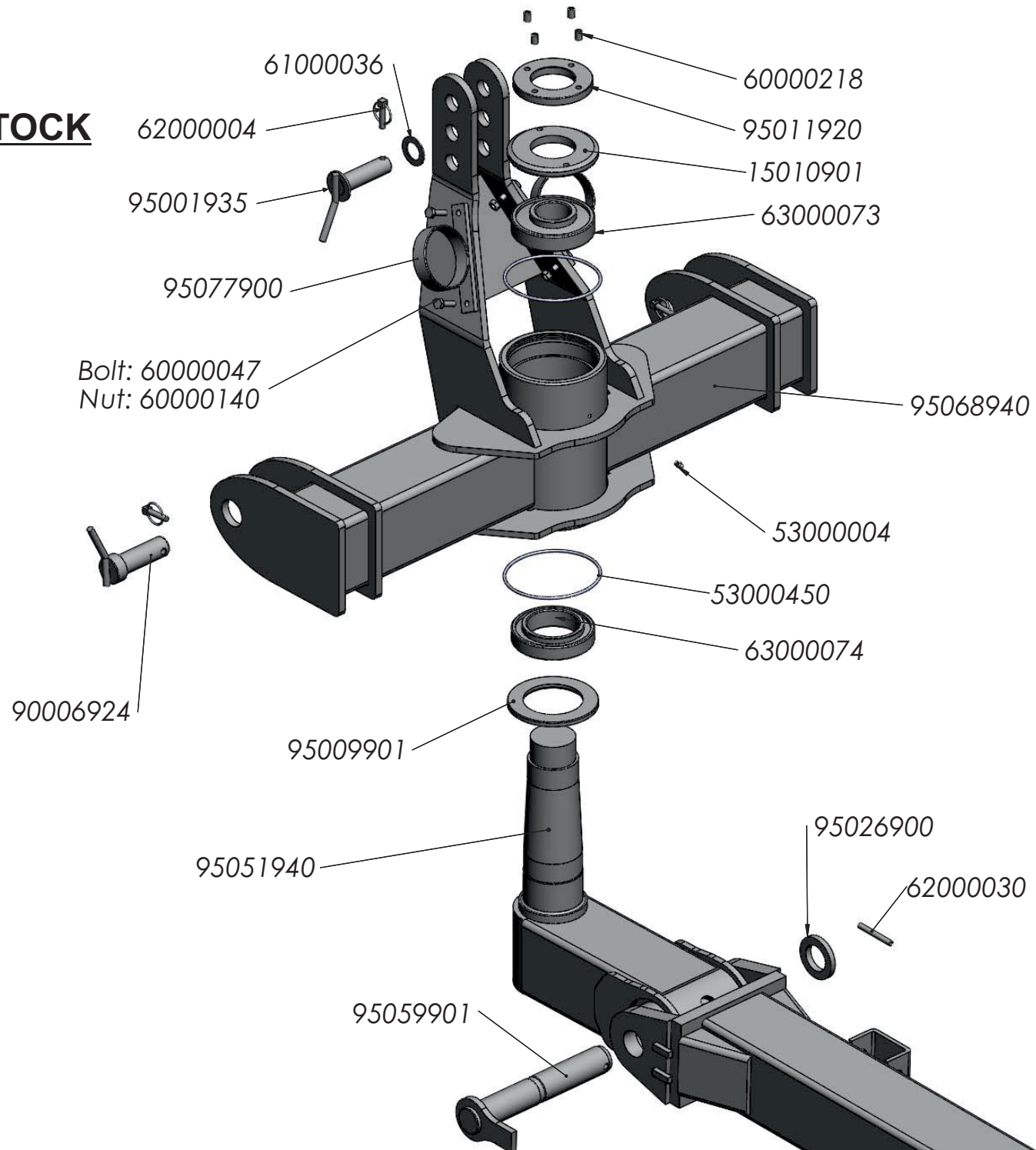


Fig. 22

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HEADSTOCK

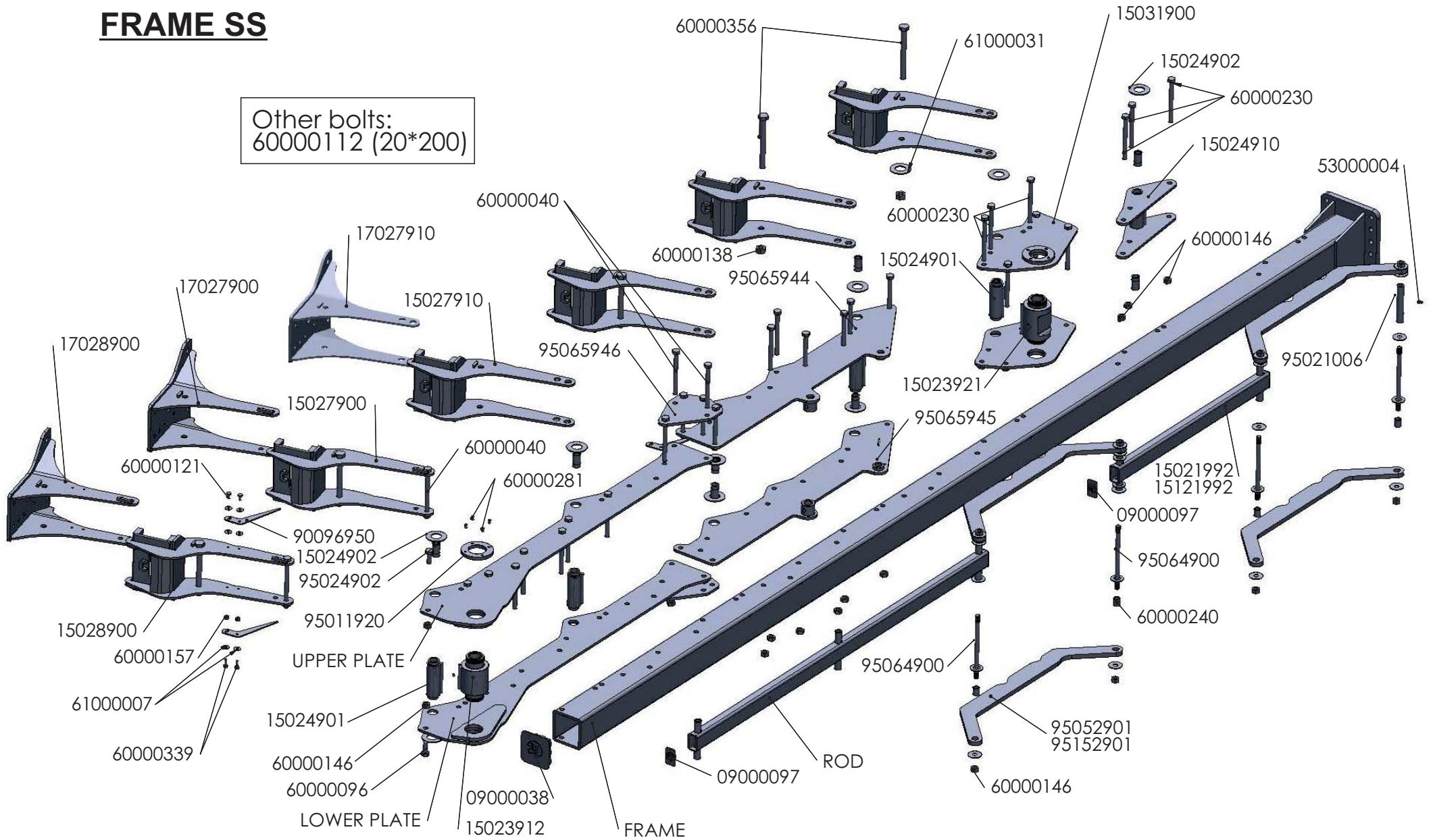


HEADSTOCK

Reference	Description
15010901	HEADSTOCK 120 AXLE NUT (D/06)
53000004	GREASER MT-503 8*125 D-71412
53000450	O-RING 160-3
60000047	BOLT D-933 10*35 8.8 ZINC
60000140	SELF LOCK. NUT D-980 10 8.8 ZINC
60000218	ALLEN BOLT D-913 12*16 12.9
61000036	WASHER 32 ZINC
62000004	RING SPLIT PIN 10 ZINC
62000030	ELASTIC PIN D-1481 10*80 ZINC
63000073	FRONT BEARING 30218 F
63000074	REAR BEARING 32021 XF
90006924	PIN D=50/36*130 mm SS CAT-III
95001935	PIN D=31,2*115 mm 3RD POINT CAT.III
95009901	REAR WASHER 120 (D/03)
95011920	HEADSTOCK 110/120/150 SHAFT NET LOCK
95026900	WASHER FRAME TURNING
95051940	DRAW TURN SS (D/14)
95059901	SS DRAWING BAR PIN (324mm)
95068940	HEADSTOCK SS (D/14)
95077900	PIPES GUIDE SS HEADSTOCK

FRAME SS

Other bolts:
60000112 (20*200)



FRAME SS

Reference	Description	Reference	Description
9000038	RUBBER CAP 150*150*10 mm	60000121	BOLT D-931 10*20 8.8 ZINC
9000097	RUBBER CAP 80*50*6 mm	60000138	SELF LOCK NUT D-980 1" SAE 10.9 ZINC
15021992	ROD WIDTH S-2-100 SSN	60000146	SELF LOCK NUT D-980 20 10.9 ZINC
15023912	FRAME TURNING BUSH SN 150	60000157	NUT D-934 12 8.8 ZINC
15023921	FRAME TURNING BUSH SSN	60000230	BOLT 20*200 12.9
15024901	BUSH D=60/45,9/35*183mm.	60000240	BUSH D=29,7/20,5*34 mm
15024902	WASHER D=90/46*4mm	60000281	ALLEN BOLT D-913 12*14 12.9
15024910	TURNING SUPPORT BEAM BRACKET SN	60000339	BOLT D-933 10*30 8.8 ZINC
15027900	BEAM BRACKET SBN	60000356	BOLT 1"*240 SAE 12.9
15027910	BEAM BRACKET SSBN	61000007	WASHER D-9021 10 ZINC
15028900	BEAM BRACKET SBN - POINTER	90096950	WIDTH POINTER 2P ZINC
15031900	PLATE WHEEL TURN SUPPORT SSN	95011920	HEADSTOCK 110/120/150 SHAFT NET LOCK
15121992	ROS S-2-105 VARYWIDTH SSN	95021006	BUSH D=32/20,5*178 mm
17027900	BEAM BRACKET SMN	95024902	LAMINATED BUSH D=35/26/30*60 mm
17027910	BEAM BRACKET SSMN	95052901	ROD CONNECTION SSN-100
17028900	BEAM BRACKET SMN - POINTER	95064900	ROD PIVOT BOLT SS
53000004	GREASER MT-503 8*125 D-71412	95065944	UPPER PLATE FRAME TURN SUPPORT SSN-7
60000040	BOLT D-931 20*230 8.8	95065945	LOWER PLATE FRAME TURN SUPPORT SSN-7
60000096	BOLT D-933 20*50 8.8	95065946	UNION PLATE FRAME TURN SUPPORT SSN (D/13)
60000112	BOLT D-931 20*200 8.8	95152901	SPLICE ROD SSN-105

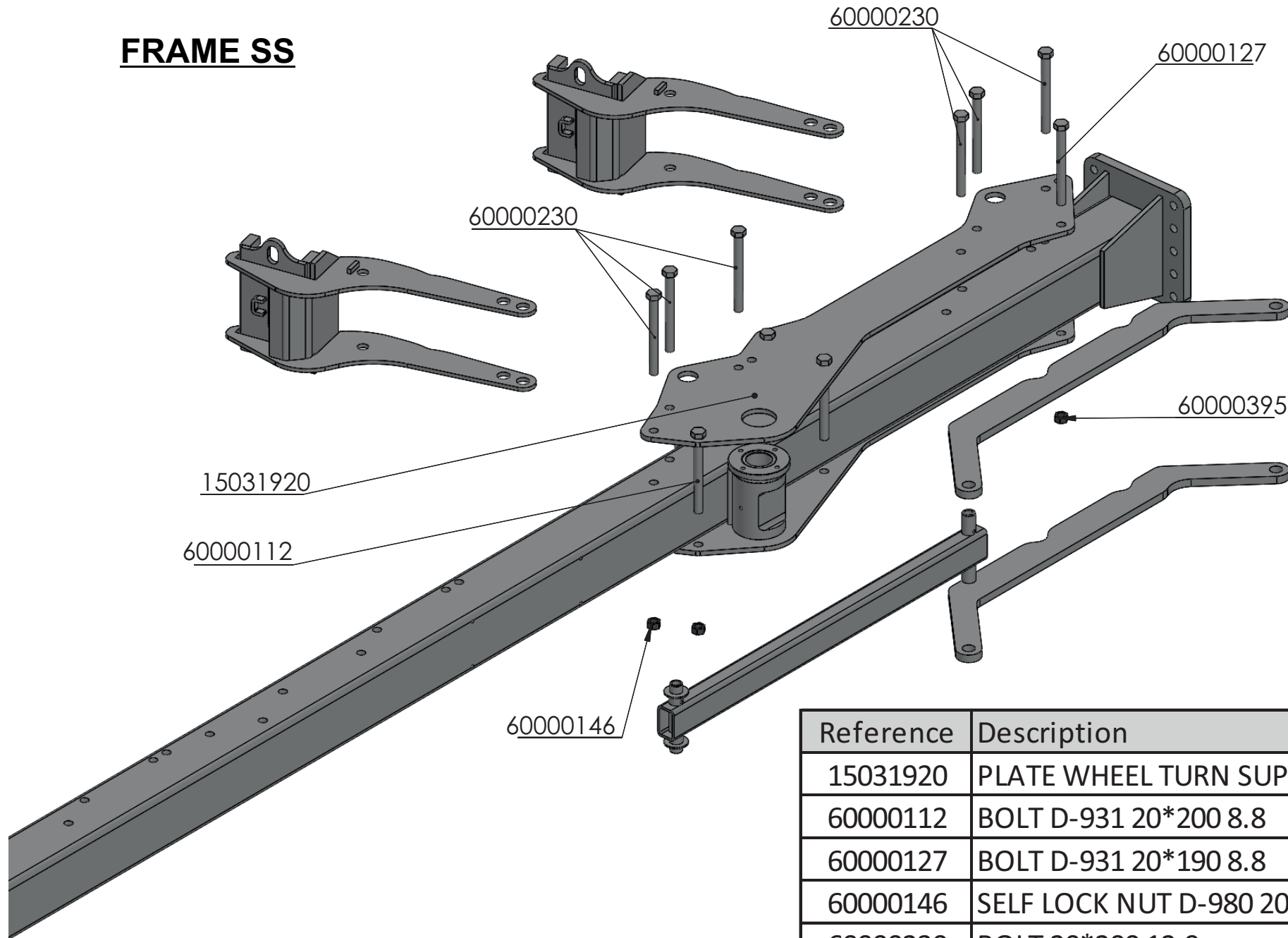
FRAME SS

UPPER PLATE		LOWER PLATE	
Reference	Description	Reference	Description
15023970	UPPER PLATE FRAME TURN SUPPORT SSN-100	15023971	LOWER PLATE FRAME TURN SUPPORT SSN-100
15023980	UPPER PLATE FRAME TURN SUPPORT SSN-5-100	15023981	LOWER PLATE FRAME TURN SUPPORT SSN-5-100
15023982	UPPER PLATE FRAME TURN SUPPORT SSN-7-100	15023983	LOWER PLATE FRAME TURN SUPPORT SSN-7-100
15123907	UPPER PLATE FRAME TURN SUPPORT SSN-7-105 FS	15123917	LOWER PLATE FRAME TURN SUPPORT SSN-7-105 FS

FRAME	
Reference	Description
15030906	FRAME SSN-6-100-EXT
15030907	FRAME SSN-7-100-EXT
15030915	FRAME SSN-5-100-EXT (DOUBLE EXT. KIT)
15030916	FRAME SSN-6-100-EXT (DOUBLE EXT. KIT)
15131906	FRAME SSN-6-105-EXT.
15131916	FRAME SSN-6-105-EXT. (DOUBLE KIT)
15131917	FRAME SSN-7-105-EXT. (DOUBLE KIT)
16030906	FRAME SSHN-6-100-EXT.
16030915	FRAME SSHN-5-100-EXT (DOUBLE EXT. KIT)
16030917	FRAME SSHN-7-100-EXT (BASE 6)
16030926	FRAME SSHN-6-100-EXT (BASE 5)
16131916	FRAME SSHN-6-105-EXT. (DOUBLE KIT)

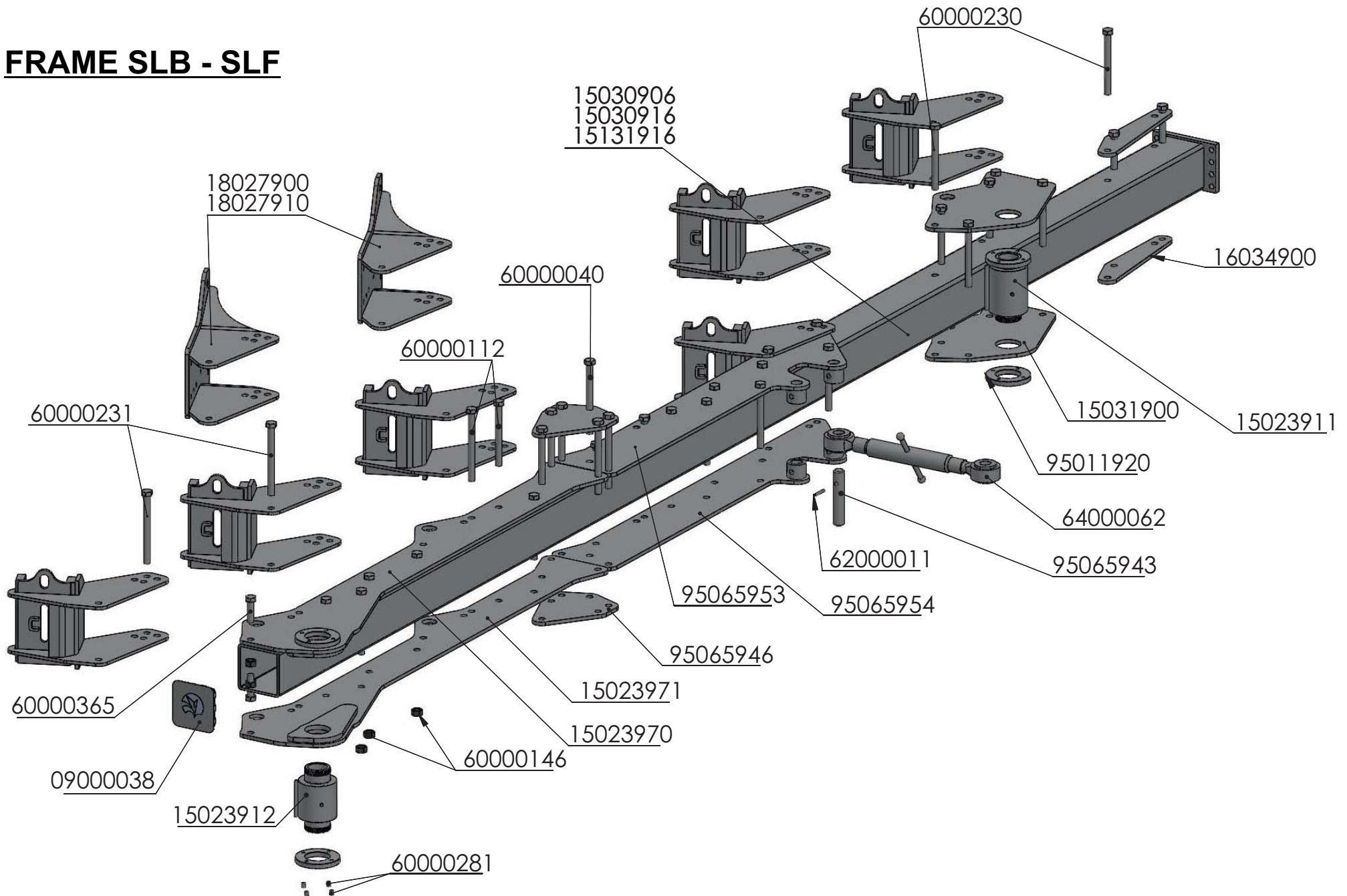
ROD	
Reference	Description
15021983	ROD S-3-100 SSN
15021994	ROD S-4-100 SSN
15022982	ROD S-2-100 SSN
15022992	ROD S-2-100 (KIT EXT.)
15121983	ROD S-3-105 SSN
15121984	ROD S-4-105 SSN

FRAME SS



Reference	Description
15031920	PLATE WHEEL TURN SUPPORT SSN-105
60000112	BOLT D-931 20*200 8.8
60000127	BOLT D-931 20*190 8.8
60000146	SELF LOCK NUT D-980 20 10.9 ZINC
60000230	BOLT 20*200 12.9
60000395	SELF LOCK NUT D-980 20 8.8 LOW ZINC

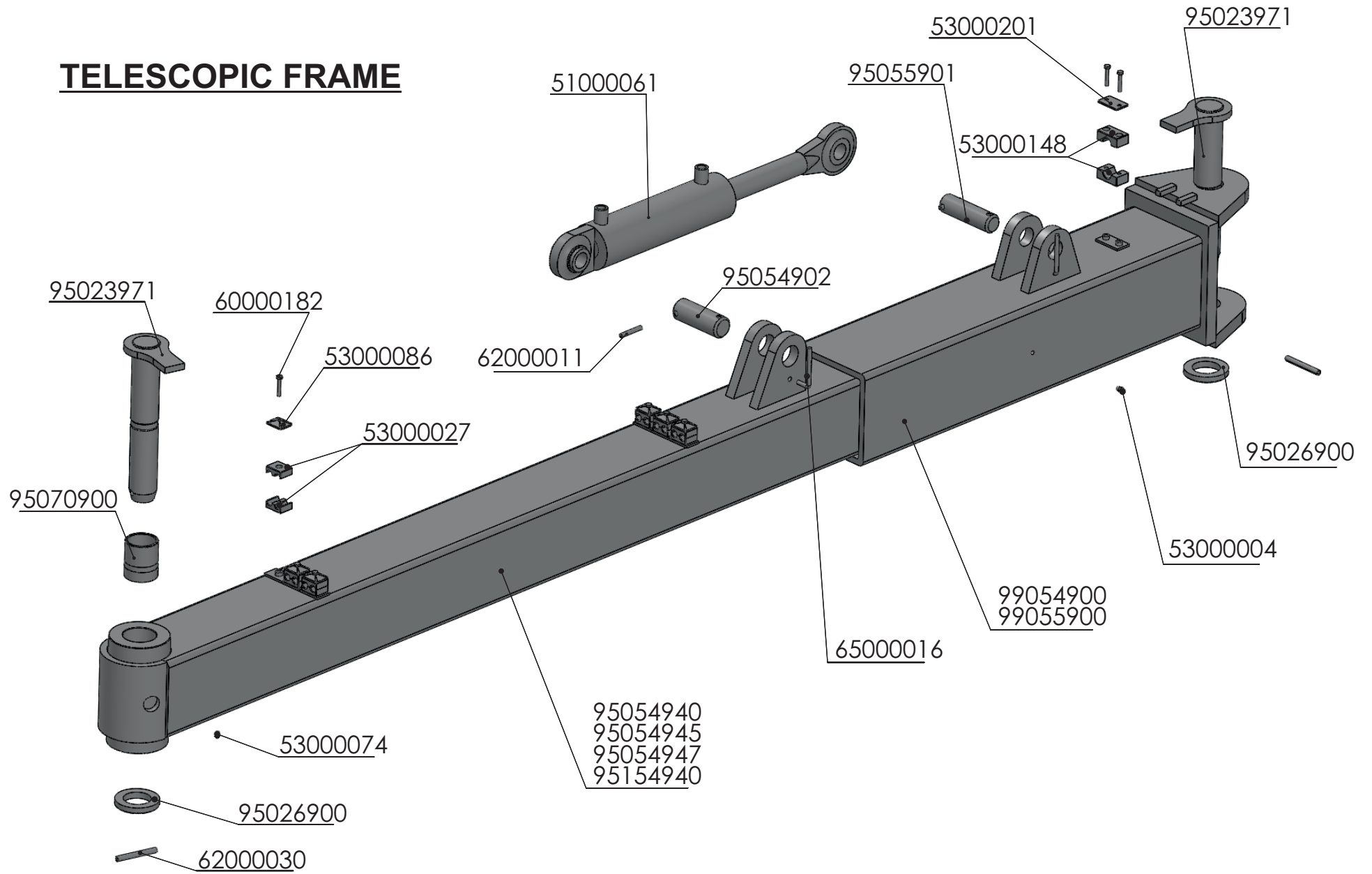
FRAME SLB - SLF



FRAME SLB - SLF

Reference	Description	Reference	Description
9000038	RUBBER CAP 150*150*10 mm	60000112	BOLT D-931 20*200 8.8
15023911	FRAME TURNING BUSH SN 120	60000146	SELF LOCK NUT D-980 20 10.9 ZINC
15023912	FRAME TURNING BUSH SN 150	60000230	BOLT 20*200 12.9
15023970	UPPER PLATE FRAME TURN SUPPORT SSN-100	60000231	BOLT 20*225 12.9
15023971	LOWER PLATE FRAME TURN SUPPORT SSN-100	60000281	ALLEN BOLT D-913 12*14 12.9
15030906	FRAME SSN-6-100-EXT	60000365	BOLT D-931 20*70 12.9
15030916	FRAME SSN-6-100-EXT (DOUBLE EXT. KIT)	62000011	ELASTIC PIN D-1481 8*50 ZINC
15031900	PLATE WHEEL TURN SUPPORT SSN	64000062	TURNBUCKLE WITH EYE D=35 30386 ZINC
15130916	FRAME SLN-6-100-EXT (DOUBLE EXT. KIT)	95011920	HEADSTOCK 110/120/150 SHAFT NET LOCK
16034900	LEAN PLATE BRACKETS L	95065943	WIDTH CYLINDER PIN D=34,8*180mm
18027900	BEAM BRACKET LFN	95065946	UNION PLATE FRAME TURN SUPPORT SSN (D/13)
18027910	BEAM BRACKET PLATE LFN (D/14)	95065953	UPPER PLATE VARYWIDTH SYSTEM SUPPORT SLN (D/13)
60000040	BOLT D-931 20*230 8.8	95065954	LOWER PLATE VARYWIDTH SYSTEM SUPPORT SLN (D/13)

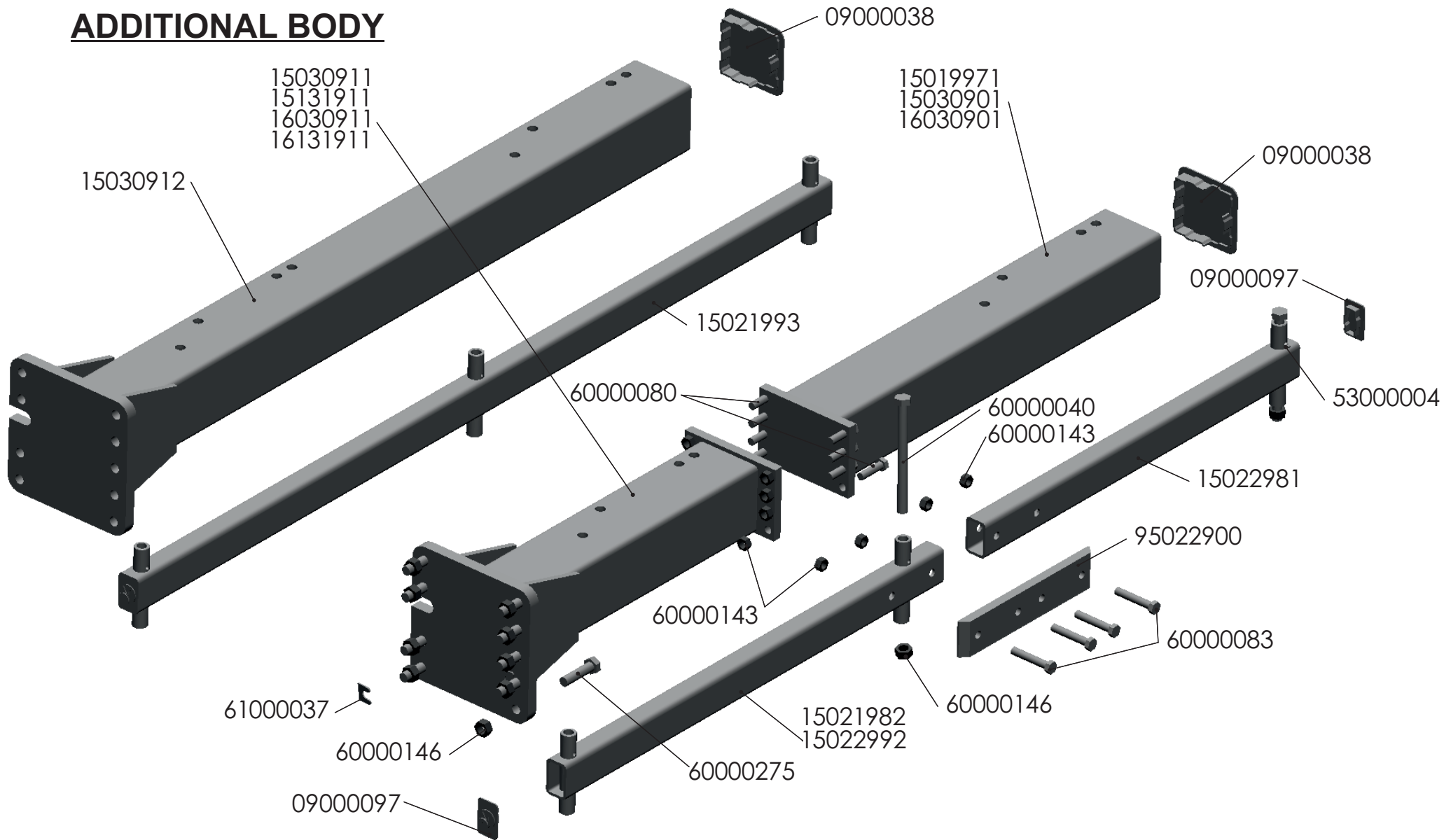
TELESCOPIC FRAME



TELESCOPIC FRAME

Reference	Description	Reference	Description
51000061	TURNOVER CYLINDER 40/95/300 ROT. D= 40/35	95023971	FRAME TURN SUPPORT PIN D=50*307 mm SS
53000004	GREASER MT-503 8*125 D-71412	95026900	WASHER FRAME TURNING
53000027	DOUBLE STIRRUP D=12 mm 1D12PP	95054902	PIN D=39,8*110 mm SSN MAIN FRAME CYLIND.
53000074	GREASER MT-506 45° 8*125	95054940	MAIN FRAME SSN
53000086	REINFORCEMENT PLATE 12 GD1D	95054945	MAIN FRAME SSN-5
53000148	SIMPLE STIRRUP D=18 mm 218PP	95054947	MAIN FRAME SSN-7
53000201	REINFORCEMENT PLATE 18 DP2	95055900	TELESCOPIC FRAME SS
60000182	BOLT D-933 6*35 8.8 ZINC	95055901	PIN D=34,8*122 mm SS TELESCOPIC FRAME CYLIND.
62000011	ELASTIC PIN D-1481 8*50 ZINC	95070900	LAMINATED BUSH D=60/50*70 mm SS / FRAME TURNING
62000030	ELASTIC PIN D-1481 10*80 ZINC	95154940	FRAME SSN-6 (D/14) - 2710 mm
65000016	LOCK PIN D=7,5	99054900	SFB TELESCOPIC FRAME

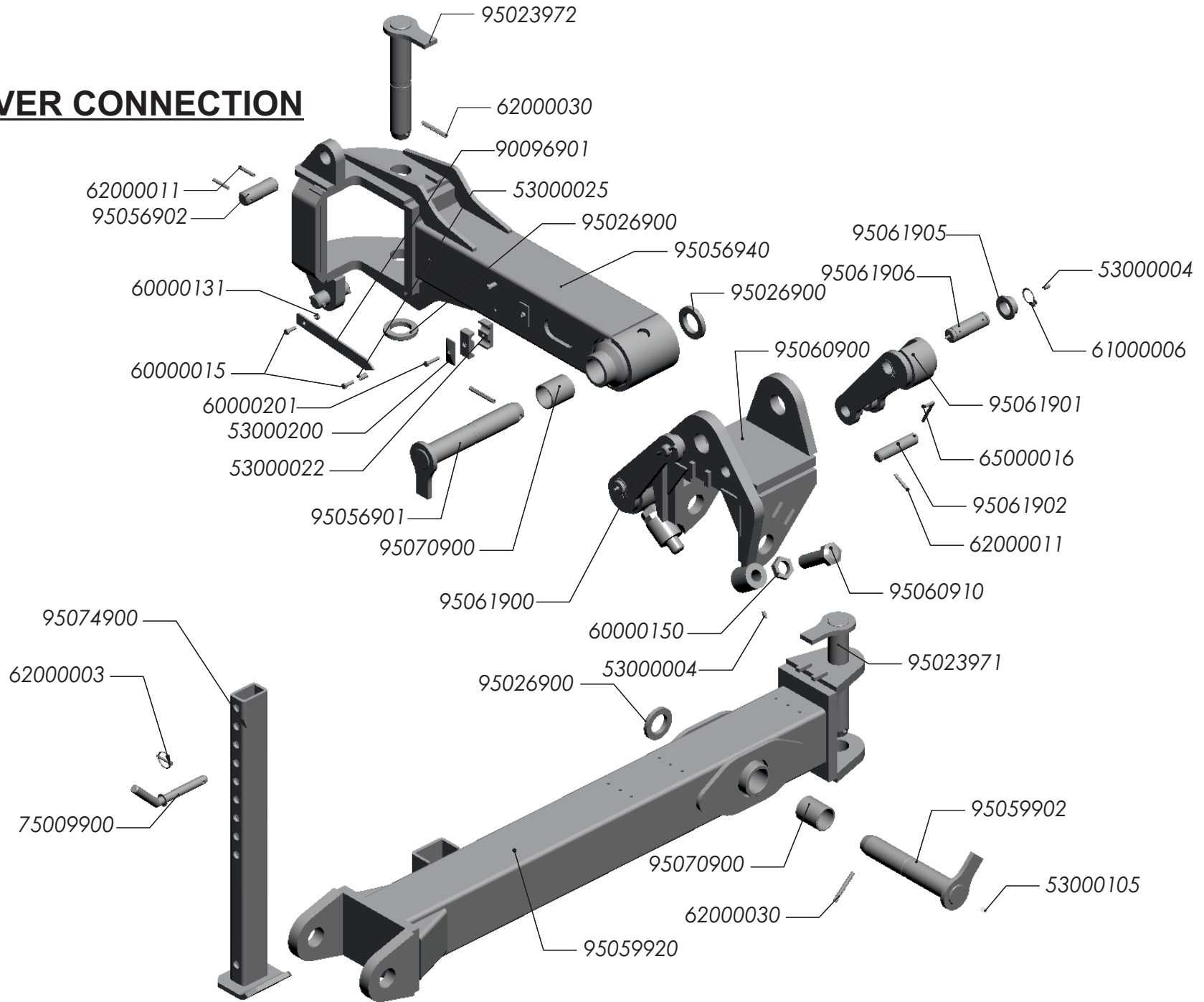
ADDITIONAL BODY



ADDITIONAL BODY

Reference	Description	Reference	Description
9000038	RUBBER CAP 150*150*10 mm	16030911	FRAME SSHN-1-100-EXT
9000097	RUBBER CAP 80*50*6 mm	16131911	FRAME SSHN-1-105-EXT.
15019971	FRAME SN-1-105-(150)	53000004	GREASER MT-503 8*125 D-71412
15021982	ROD S-2-100 SSN (ADDIT.FU.)	60000040	BOLT D-931 20*230 8.8
15021993	ROD S-3-100 SSN (2-FU.EXTENSION)	60000080	BOLT D-931 16*60 8.8 ZINC
15022981	ROD S-1-100 SEMIMOUNTES (2° ADDIT.FU.)	60000083	BOLT D-931 16*90 8.8
15022992	ROD S-2-100 (KIT EXT.)	60000143	SELF LOCK NUT D-980 16 8.8 ZINC
15030901	FRAME SSN-1-100	60000146	SELF LOCK NUT D-980 20 10.9 ZINC
15030911	FRAME SSN-1-100-EXT	60000275	BOLT D-931 20*80 8.8 ZINC
15030912	FRAME SSN-2-100 (DOUBLE EXT. KIT)	61000037	WASHER FRAME SHAFT
15131911	FRAME SSN-1-105-EXT.	95022900	CONNECTION PLATE ROD ADD. FU.
16030901	FRAME SSHN-1-100		

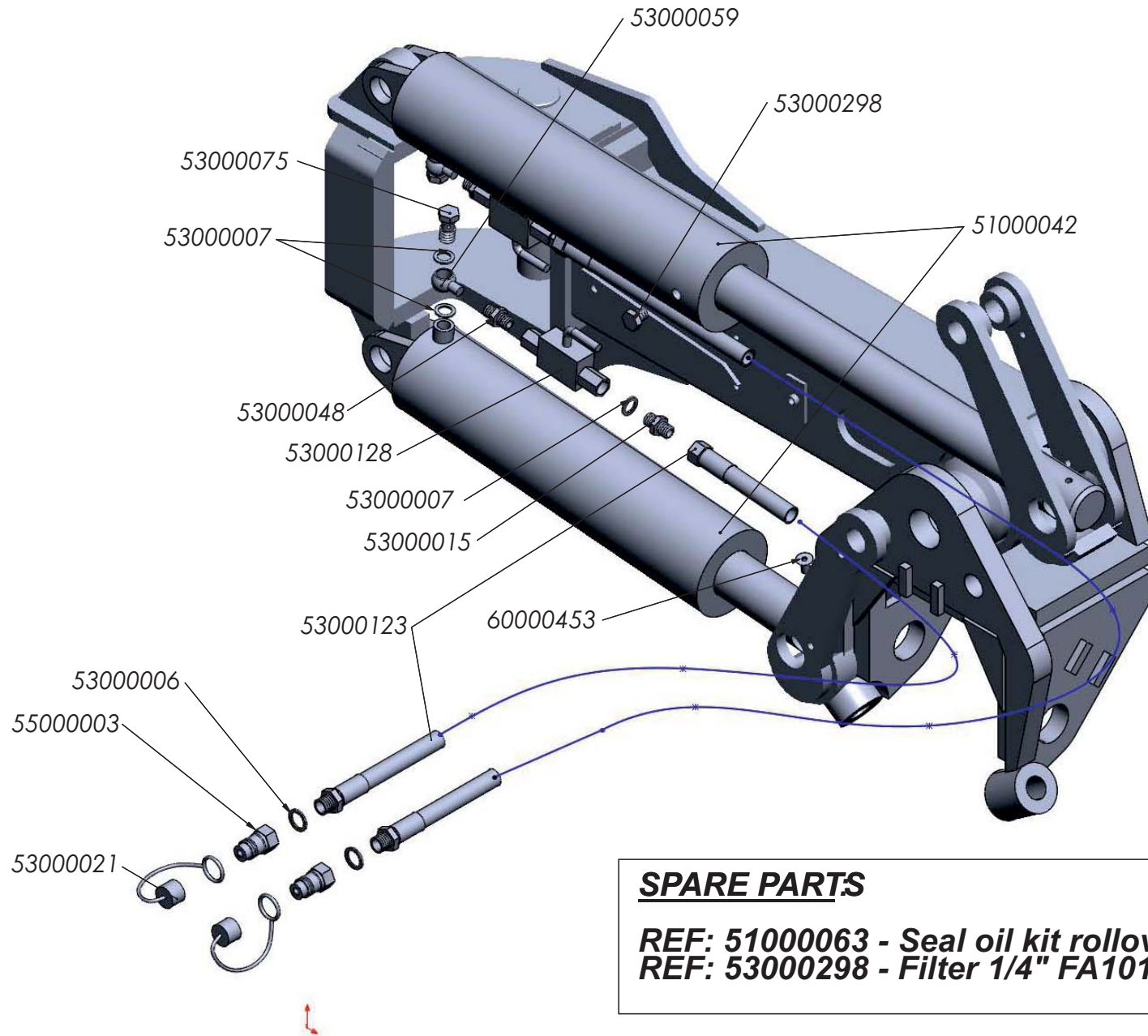
TURNOVER CONNECTION



TURNOVER CONNECTION

Reference	Description	Reference	Description
53000004	GREASER MT-503 8*125 D-71412	95023972	FRAME TURN SUPPORT PIN SSN D=50*307 mm
53000022	DOUBLE U-BOLT D=19 mm 1D19PP	95026900	WASHER FRAME TURNING
53000025	METRE STEEL TUBE 12*9 mm ZINC	95056901	SS TURNOVER CONNECTION PIN D=50*319 mm
53000105	GREASER MT-503 10*150	95056902	PIN D=34,8*100 mm (TURNOVER CYLIND.SS)
53000200	REINFORCEMENT PLATE	95056940	SSN TURNOVER CONNECTION
60000015	BOLT D-933 8*25 8.8 ZINC	95059902	SS DRAWING BAR PIN D=50*307 mm
60000131	SELF LOCKING NUT D-980 8 8.8 ZINC	95059920	DRAW FRAME SS (D/02)
60000150	NUT D-936 1"1/4 SAE 5.6	95060900	EYE PIECE SS
60000201	BOLT D-931 8*50 8.8 ZINC	95060910	SS TURNOVER STOP
61000006	ELASTIC RING D-471 35	95061900	TURNOVER RIGTH PLATE SS
62000003	RING SPLIT PIN 6 ZINC	95061901	TURNOVER LEFT PLATE SS
62000011	ELASTIC PIN D-1481 8*50 ZINC	95061902	PIN D=29,7*123 mm (TURNOVER PLATE SS)
62000030	ELASTIC PIN D-1481 10*80 ZINC	95061905	LAMINATED BUSH TUENOVER PLATE SS D=59*44,9/35*20,5 mm
65000016	LOCK PIN D=7,5	95061906	PIN D=34,7*113 mm
75009900	PIN D=20*255 mm WHEEL ADJUSTMENT ZINC	95070900	LAMINATED BUSH D=60/50*70 mm SS / FRAME TURNING
90096901	SS VERTICAL SCOREBOARD	95074900	STAND SS
95023971	FRAME TURN SUPPORT PIN D=50*307 mm SS		

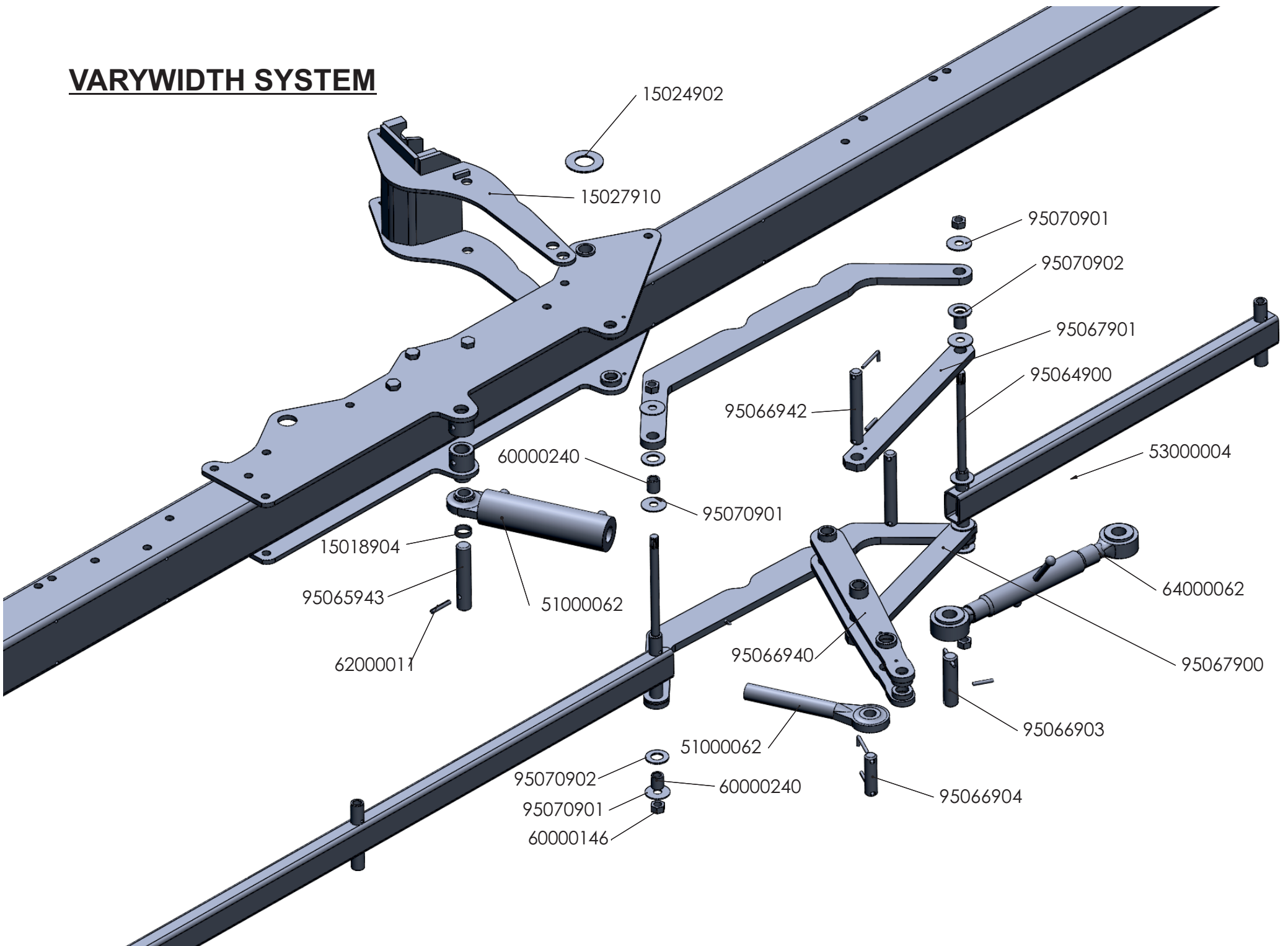
HYDRAULIC ROLLOVER SYSTEM



HYDRAULIC ROLLOVER SYSTEM

Reference	Description
51000042	TURN CYLINDER 60/100/470 SS
53000006	GASKET 1/2" 11603
53000007	GASKET 3/8" 11602
53000015	MALE JOINT 3/8" 4062
53000021	PLUG RED CAP 1/2"
53000048	MALE JOINT BSP 3/8-1/2 GE12-L
53000059	NIPPLE 3/8" * 12mm SHORT 4002E
53000075	BOLT 3/8 4022-T
53000123	HYDR.TUBE 3/8*3700 mm MF-1/2; TL-3/8
53000128	BALL VALVE 2/2 3/8 V2RH10
53000298	FILTER 1/4" FA101
55000003	MALE FAST COUPLING 1/2" 30410108
60000453	ALLEN BOLT D-913 8*10 12.9

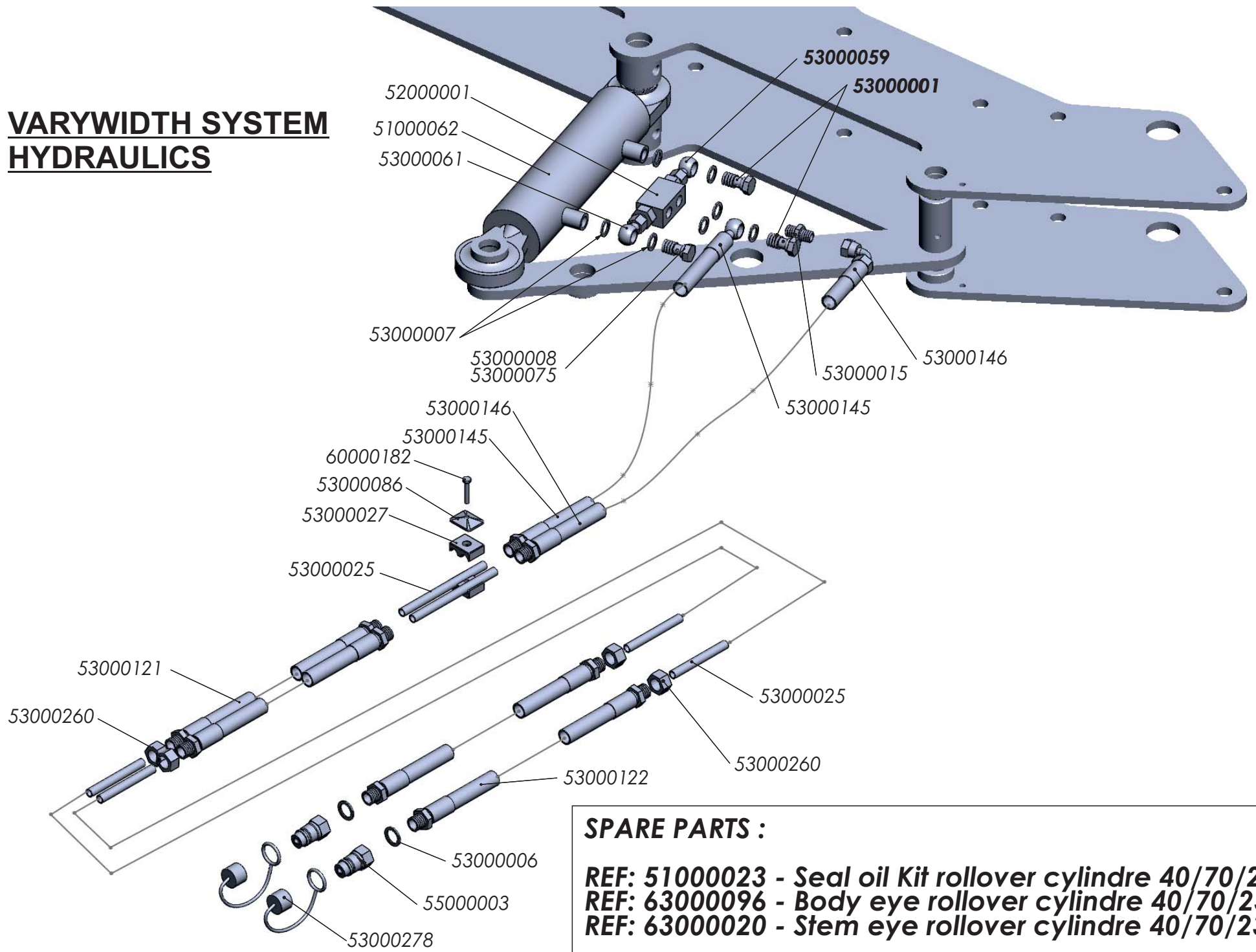
VARYWIDTH SYSTEM



VARYWIDTH SYSTEM

Reference	Description	Reference	Description
15018904	WIDTH SPACER D=40/35*13 mm.	95065943	WIDTH CYLINDER PIN D=34,8*180mm
15024902	WASHER D=90/46*4mm	95066903	PIN D=34,8*138 mm (TURNB)
15027910	BEAM BRACKET SSBN	95066904	PIN D=29,7*112 mm (CYLINDER)
51000062	ROLLOVER CYLIND 40/70/230 ROT. D=35/30	95066940	WIDTH SYSTEM ROD SSN
53000004	GREASER MT-503 8*125 D-71412	95066942	PIN D=29,7*204 mm SSN
60000146	SELF LOCK NUT D-980 20 10.9 ZINC	95067900	BEAM BRACKET PLATE SS
60000240	BUSH D=29,7/20,5*34 mm	95067901	BEAM BRACKET PLATE SS WITH LOCK.
62000011	ELASTIC PIN D-1481 8*50 ZINC	95070901	WASHER 20 LAMINATED
64000062	TURNBUCKLE WITH EYE D=35 30386 ZINC	95070902	WASHER 30 LAMINATED
95064900	ROD PIVOT BOLT SS		

VARYWIDTH SYSTEM HYDRAULICS



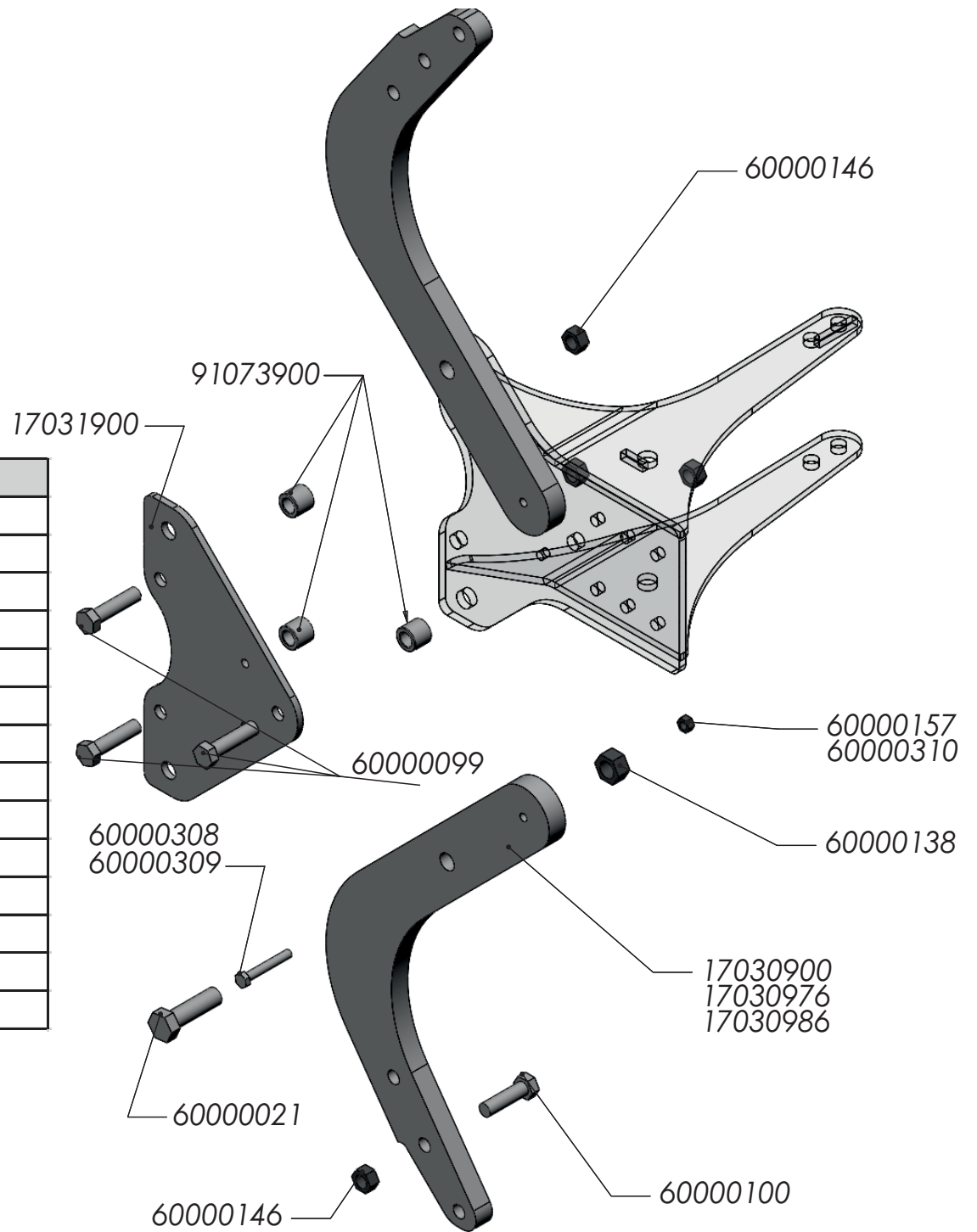
SPARE PARTS :
REF: 51000023 - Seal oil Kit rolover cylindre 40/70/230
REF: 63000096 - Body eye rolover cylindre 40/70/230
REF: 63000020 - Stem eye rolover cylindre 40/70/230

VARYWIDTH SYSTEM HYDRAULICS

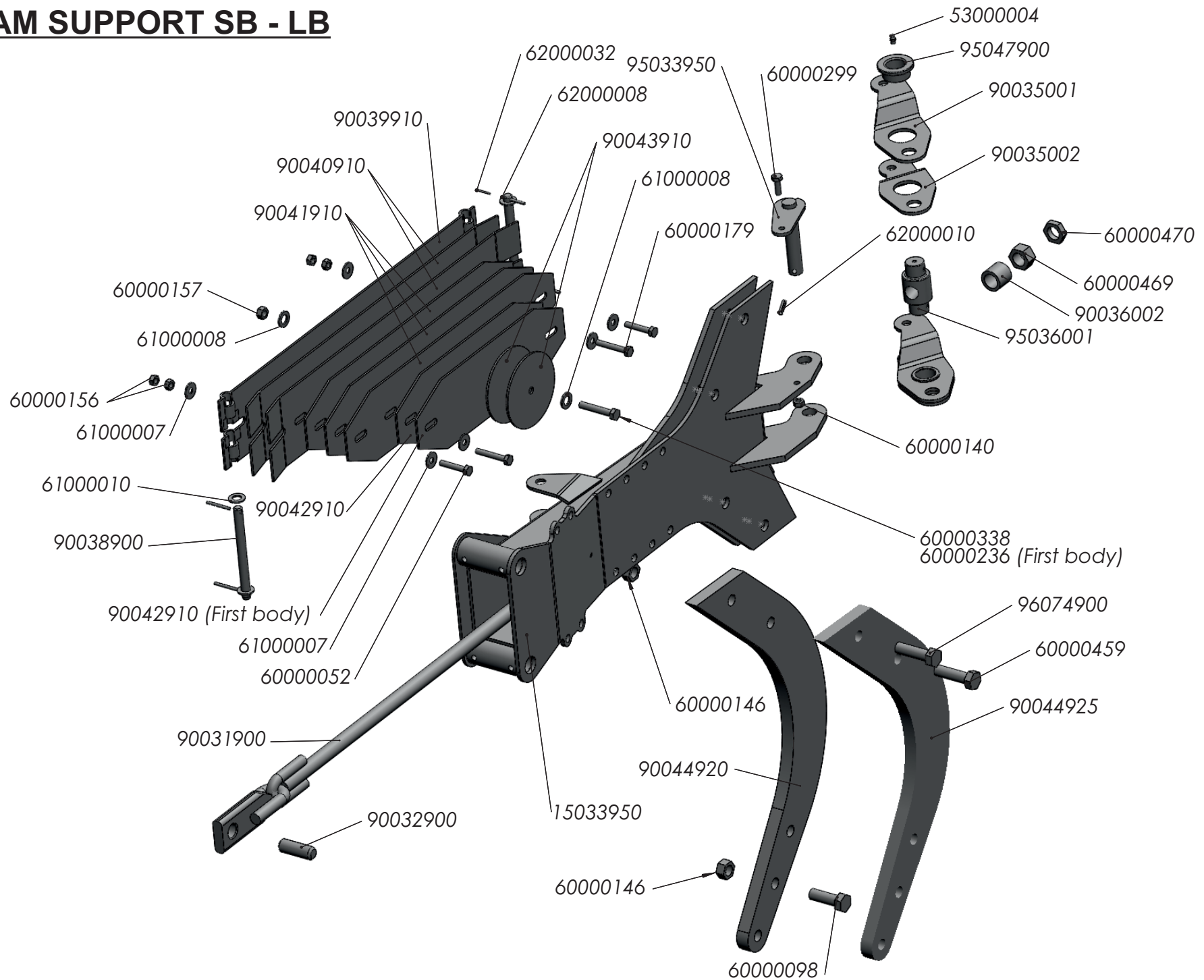
Reference	Description	Reference	Description
51000062	ROLLOVER CYLIND 40/70/230 ROT. D=35/30	53000075	BOLT 3/8 4022-T
52000001	LOCKING VALVE 12 ZINC VBD38	53000086	REINFORCEMENT PLATE 12 GD1D
53000001	BOLT 3/8 4022	53000121	HYDR.TUBE 3/8*500 mm MT-12; MT-12
53000006	GASKET 1/2" 11603	53000122	HYDR.TUBE 3/8* 2150 mm MF-12; MT-12
53000007	GASKET 3/8" 11602	53000145	HYDR.TUBE 3/8*1250 mm OR-3/8; MT-12
53000008	EXTENSION BOLT 3/8	53000146	HYDR.TUBE 3/8*1290 mm CTL-3/8; MT-12
53000015	MALE JOINT 3/8" 4062	53000260	NUT M18*1,5 BICONE D12L
53000025	METRE STEEL TUBE 12*9 mm ZINC	53000278	PLUG YELLOW CAP 1/2" 5029
53000027	DOUBLE STIRRUP D=12 mm 1D12PP	55000003	MALE FAST COUPLING 1/2" 30410108
53000059	NIPPLE 3/8" * 12mm SHORT 4002E	60000182	BOLT D-933 6*35 8.8 ZINC
53000061	NIPPLE 3/8" 12mm LARGE		

BEAM SUPPORT SF / LF

Reference	Description
17030900	BEAM SFN 30mm
17030976	BEAM SFN 75 30mm (D/13)
17030986	BEAM SFN 85 30mm (D/13)
17031900	OUT.BEAM PLATE SFN
60000021	BOLT 1"*85 SAE 12.9
60000099	BOLT 20*80 10.9
60000100	BOLT D-931 20*70 8.8
60000138	SELF LOCK NUT D-980 1" SAE 10.9 ZINC
60000146	SELF LOCK NUT D-980 20 10.9 ZINC
60000157	NUT D-934 12 8.8 ZINC
60000308	BOLT 12*70 12.9
60000309	BOLT 1/2"*70 12.9
60000310	SELF LOCK NUT D-934 1/2" SAE 10.9
91073900	BEAM PLATE SPACER SM/SF BUSH D=35/21*31 mm



BEAM SUPPORT SB - LB



BEAM SUPPORT SB - LB

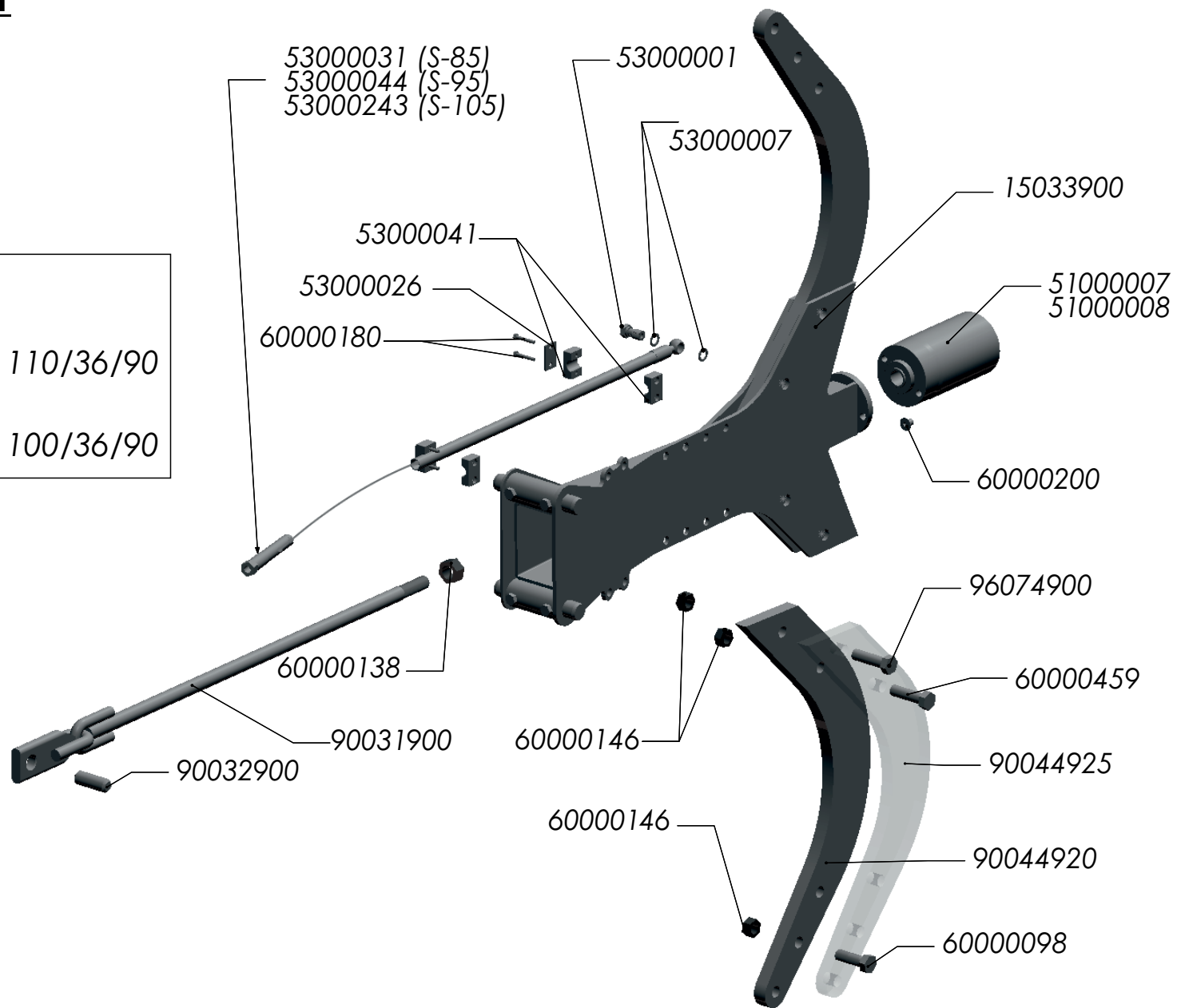
Reference	Description	Reference	Description
15033950	ARM BEAM SUPPORT SB (D/13)	62000010	ELASTIC PIN D-1481 8*40 ZINC
53000004	GREASER MT-503 8*125 D-71412	62000032	ELASTIC PIN D-1481 3*30 ZINC
60000052	BOLT D-931 10*55 10.9 ZINC	90031900	STRETCHER ROD
60000098	BOLT D-931 20*60 8.8	90032900	LEVER STRETCHER PIN D=25*70 mm
60000140	SELF LOCK. NUT D-980 10 8.8 ZINC	90035001	RIGHT ROD TURN
60000146	SELF LOCK NUT D-980 20 10.9 ZINC	90035002	LEFT ROD TURN
60000156	NUT D-934 10 8.8 ZINC	90036002	SPACER B.P. 40/28*35mm
60000157	NUT D-934 12 8.8 ZINC	90038900	LEAF SPRING PIN
60000179	BOLT D-933 10*60 10.9 ZINC	90039910	MASTER GREEN LEAF RAL-6029
60000236	BOLT D-933 12*70 8.8 ZINC	90040910	GREEN LEAF NO 1 RAL-6029
60000299	BOLT D-933 10*30 8.8	90041910	GREEN LEAF NO. 2 RAL-6029
60000338	BOLT D-931 12*65 10.9 ZINC.	90042910	GREEN LEAF NO 3 RAL-6029
60000459	BOLT 20*70 10.9	90043910	GREEN LEAF DISC RAL-6029
60000469	BOLT D-934 1" SAE 10.9 ZINC	90044920	BEAM SB 25mm 75 cm
60000470	LOW NUT D-936 1" SAE 10.9 ZINC	90044925	BEAM SB 25mm
61000007	WASHER D-9021 10 ZINC	95033950	FRAME TURN
61000008	WASHER D-125 12 ZINC	95036001	TURN
61000010	WASHER D-125 16 ZINC	95047900	TURN BUSH D=65/49,3/35*25,5 mm
62000008	ELASTIC PIN D-1481 5*30 ZINC	96074900	SHEAR BOLT 20*70 10.9

BEAM SUPPORT SH-LH

COMPONENTES PARA REPUESTO:

REF: 51000030
Juego de JUNTAS CIL. TRACCION 110/36/90

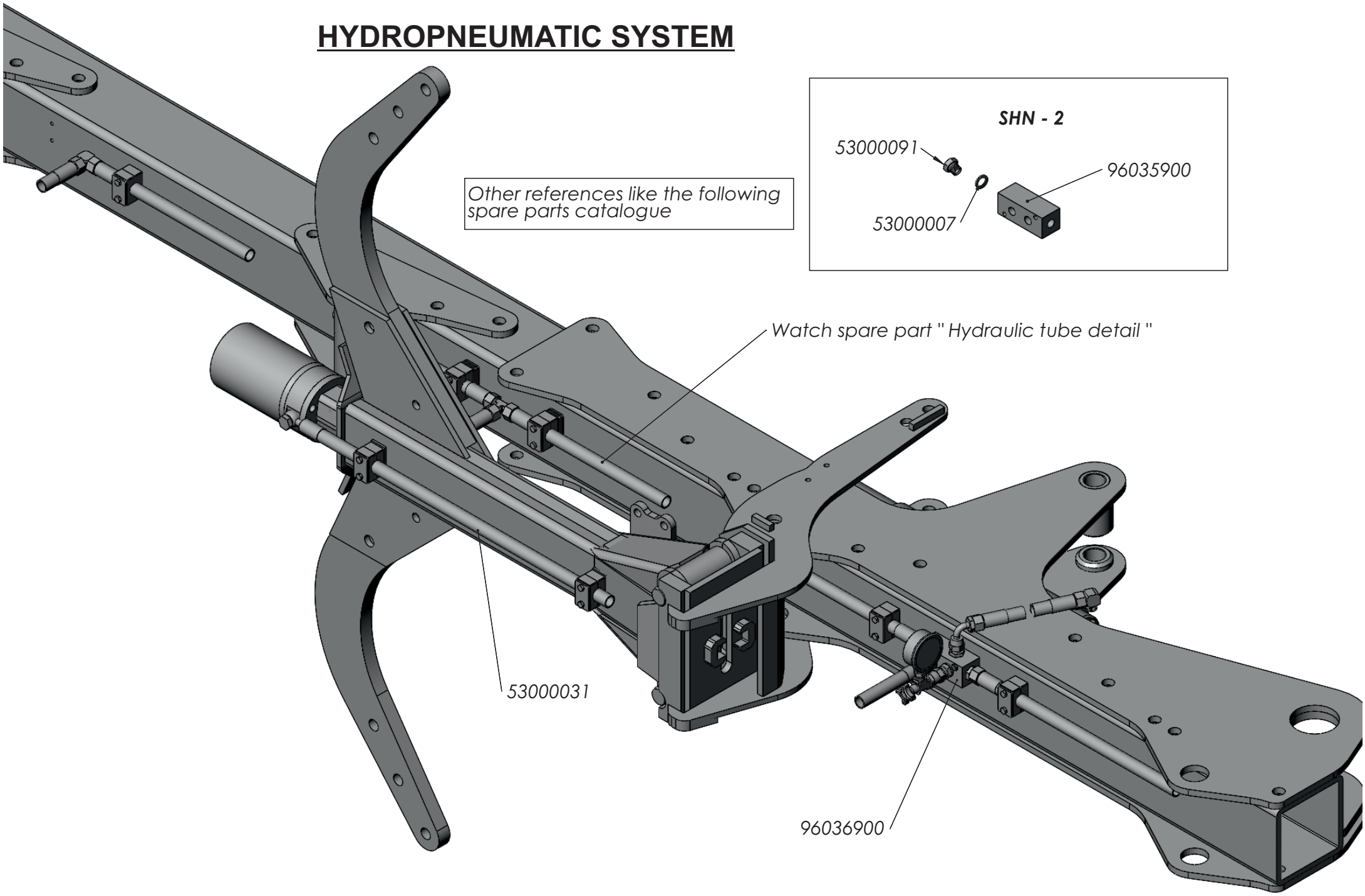
REF: 51000031
Juego de JUNTAS CIL. TRACCION 100/36/90



BEAM SUPPORT SH - LH

Reference	Description
15033900	ARM BEAM SUPPORT SH (D/13)
51000007	TRACTION CYLINDER 110/36/90
51000008	TRACTION CYLINDER 100/36/90
53000001	BOLT 3/8 4022
53000007	GASKET 3/8" 11602
53000026	REINFORCEMENT PLATE 20 GD3D
53000031	HYDR. TUBE 3/8" 1300 mm OR-3/8; TL-18
53000041	U-BOLT D=20mm
53000044	HYDR. TUBE 3/8*1900mm OR-3/8; TL-18
53000243	HYDR. TUBE 3/8*2000mm OR-3/8; TL-18
60000098	BOLT D-931 20*60 8.8
60000138	SELF LOCK NUT D-980 1" SAE 10.9 ZINC
60000146	SELF LOCK NUT D-980 20 10.9 ZINC
60000180	BOLT D-931 6*40 8.8 ZINC
60000200	ALLEN BOLT D-912 10*25 8.8 ZINC
60000459	BOLT 20*70 10.9
90031900	STRETCHER ROD
90032900	LEVER STRETCHER PIN D=25*70 mm
90044920	BEAM SB 25mm 75 cm
90044925	BEAM SB 25mm
96074900	SHEAR BOLT 20*70 10.9

HYDROPNEUMATIC SYSTEM



Other references like the following spare parts catalogue

SHN - 2

53000091

53000007

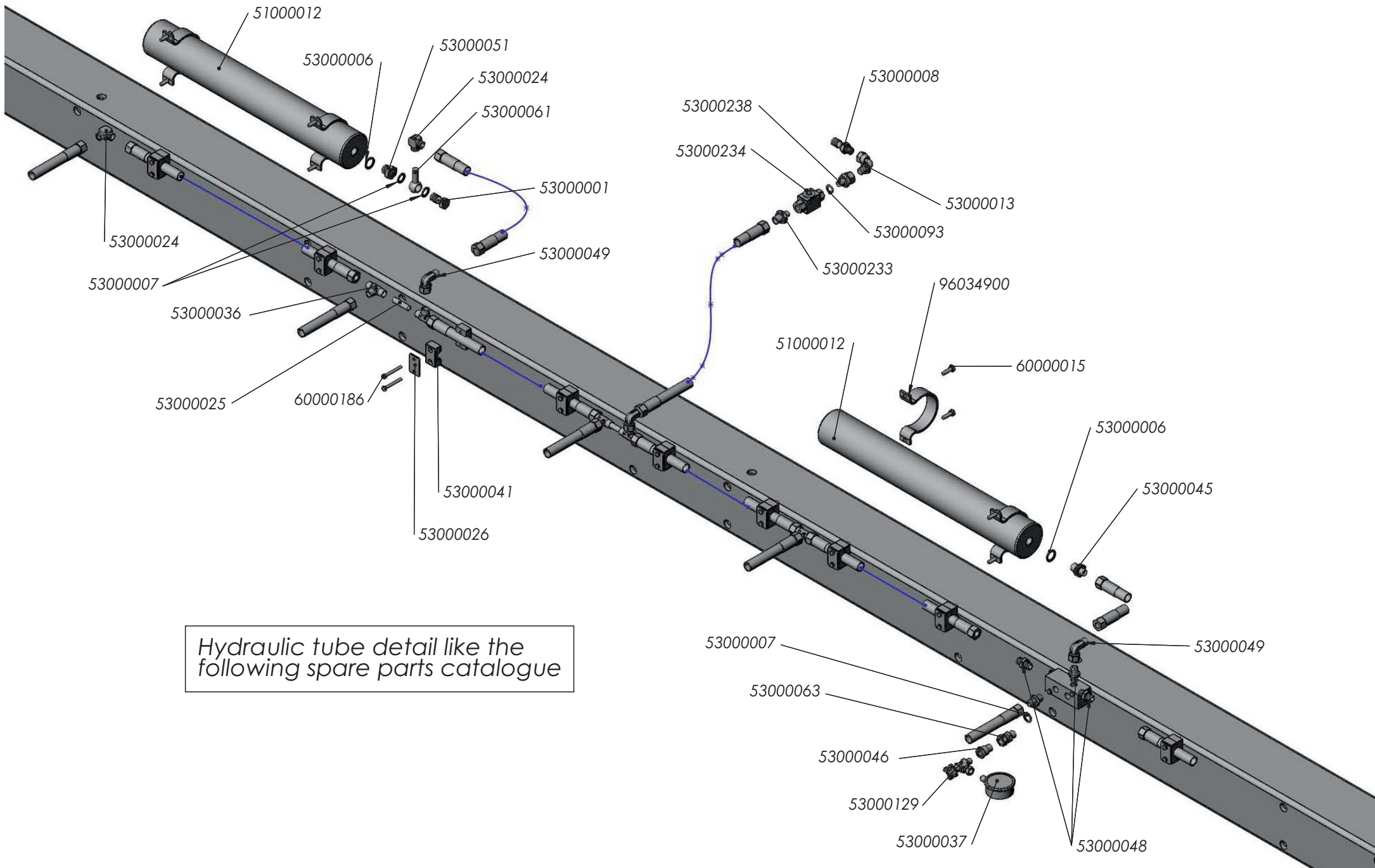
96035900

Watch spare part "Hydraulic tube detail"

53000031

96036900

HYDROPNEUMATIC SYSTEM

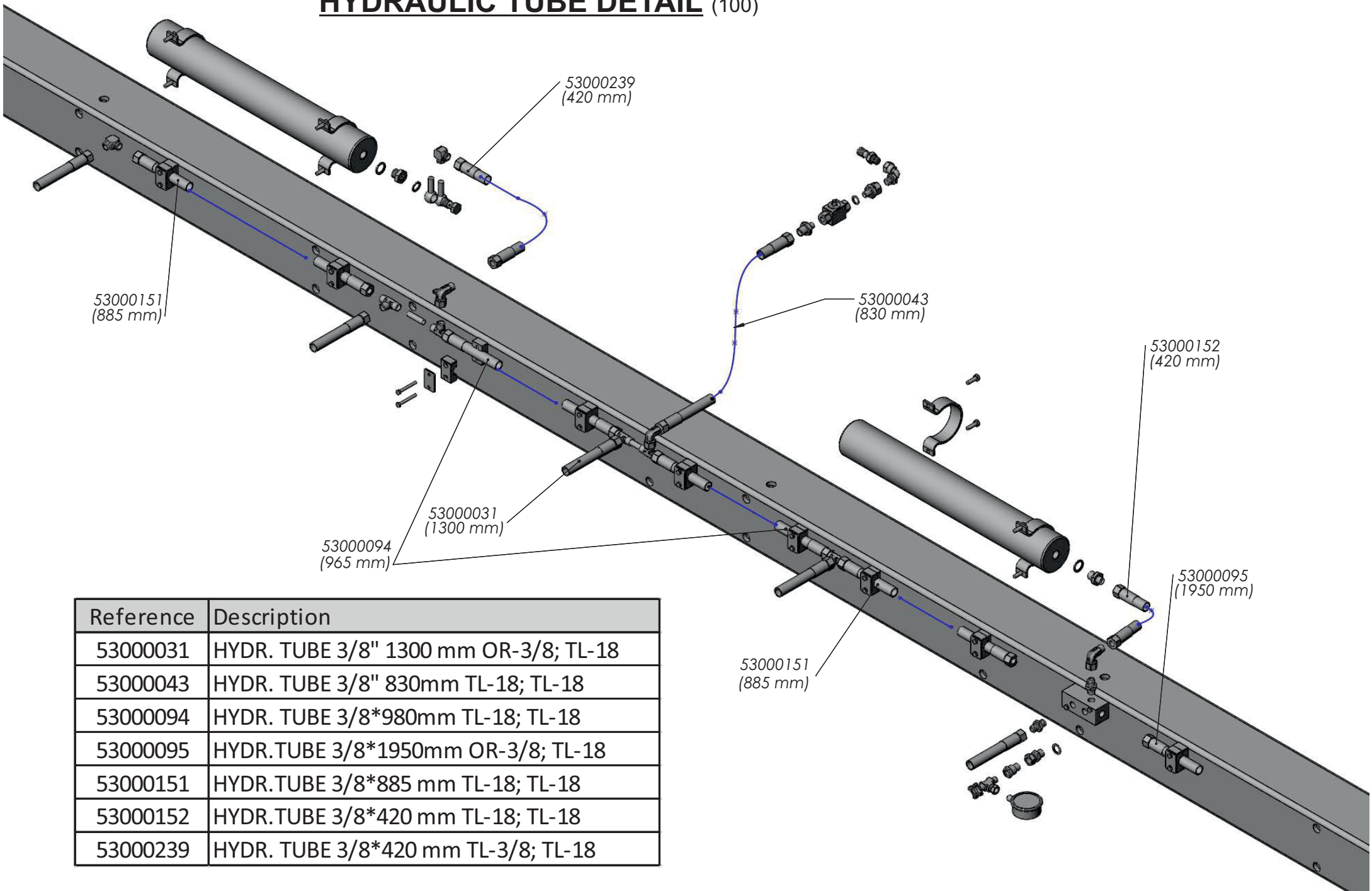


Hydraulic tube detail like the following spare parts catalogue

HYDROPNEUMATIC SYSTEM

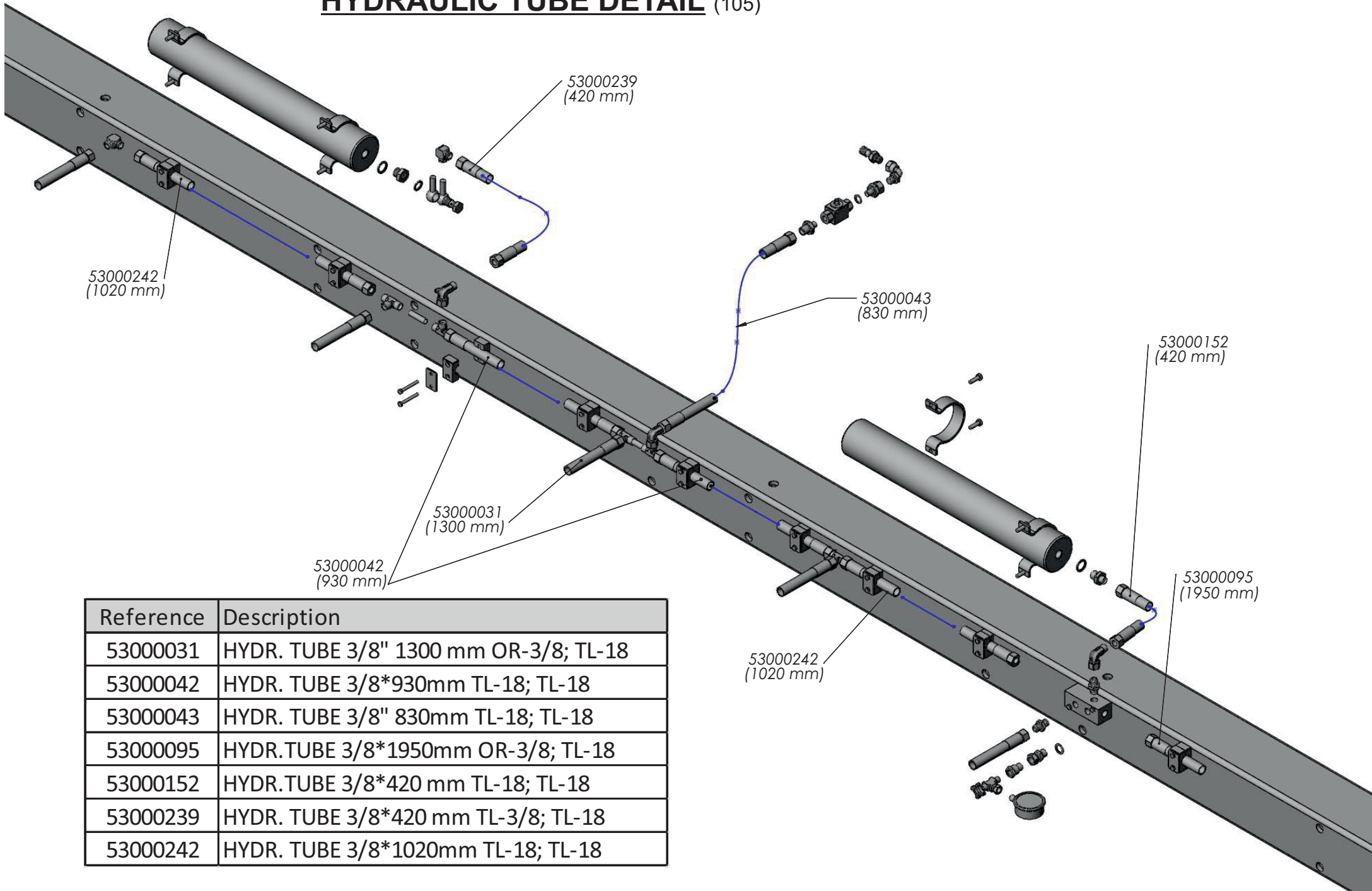
Reference	Description	Reference	Description
51000012	OIL ACCUMULATOR	53000049	ANGLE W/NUT 3/8
53000001	BOLT 3/8 4022	53000051	REDUCTION 1/2-3/8
53000006	GASKET 1/2" 11603	53000061	NIPPLE 3/8" 12mm LARGE
53000007	GASKET 3/8" 11602	53000063	ADAPTER
53000008	EXTENSION BOLT 3/8	53000091	MALE CAP 3/8
53000013	ANGLE 90° M/F 3/8"	53000093	GASKET 1/4 11601
53000024	TUBE/TUBE ELBOW 12mm	53000129	MANOMETER PROTECTION
53000025	METRE STEEL TUBE 12*9 mm ZINC	53000233	MALE JOINT BSP 12-1/4
53000026	REINFORCEMENT PLATE 20 GD3D	53000234	BALL VALVE 2/2 1/4
53000036	T CONNECTION 12	53000238	REDUCTION MALE JOINT 1/4-3/8
53000037	MANOMETER	60000015	BOLT D-933 8*25 8.8 ZINC
53000041	U-BOLT D=20mm	60000186	BOLT D-931 6*50 8.8 ZINC
53000045	REDUCTION JOINT 3/8-1/2	96034900	ACCUMULATOR STIRRUP
53000046	REDUCER SUPPLEMENT 3/8-1/4	96035900	PIPES SUPPORT
53000048	MALE JOINT BSP 3/8-1/2 GE12-L	96036900	ACCUMMULATOR TUBE

HYDRAULIC TUBE DETAIL (100)



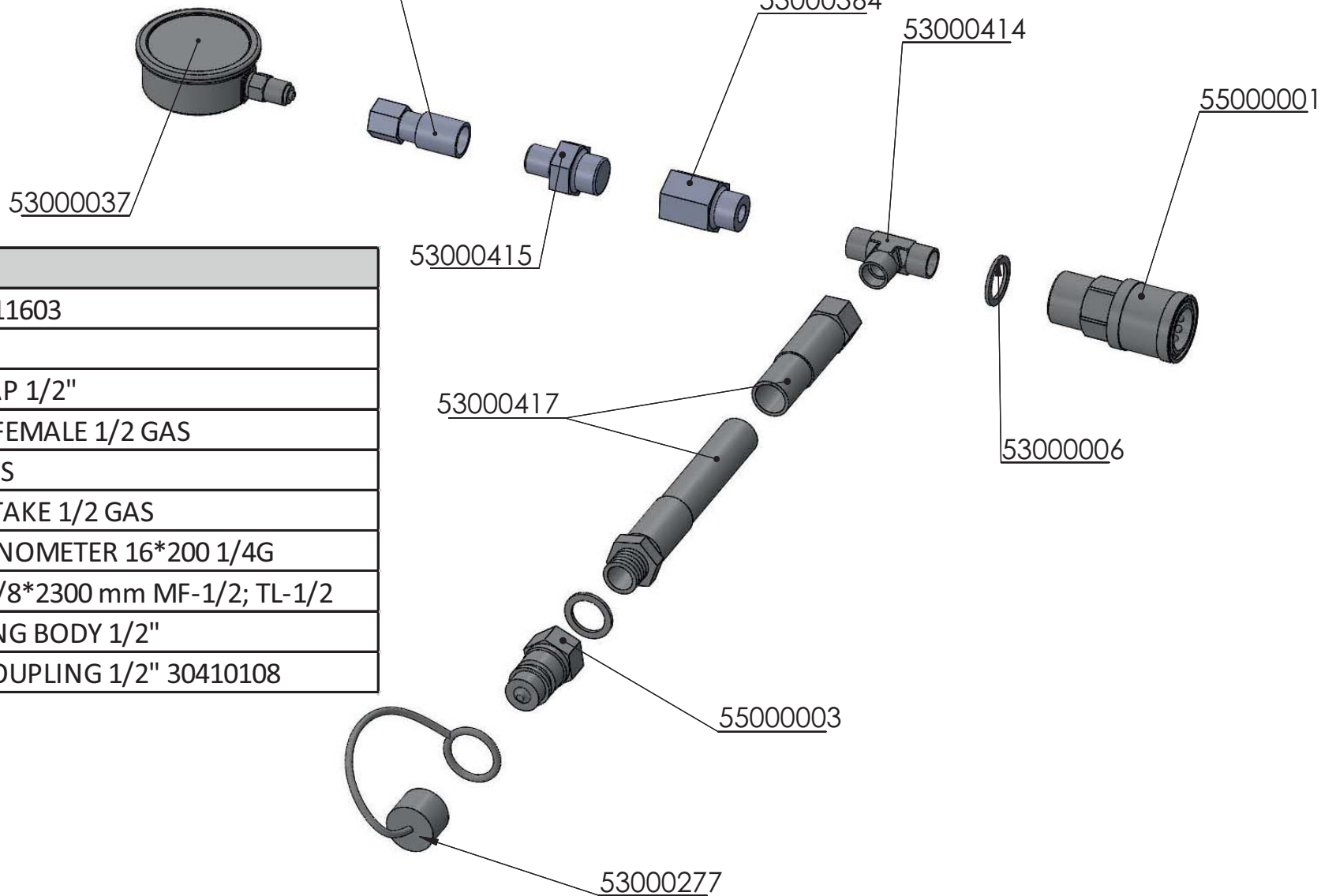
Reference	Description
53000031	HYDR. TUBE 3/8" 1300 mm OR-3/8; TL-18
53000043	HYDR. TUBE 3/8" 830mm TL-18; TL-18
53000094	HYDR. TUBE 3/8*980mm TL-18; TL-18
53000095	HYDR.TUBE 3/8*1950mm OR-3/8; TL-18
53000151	HYDR.TUBE 3/8*885 mm TL-18; TL-18
53000152	HYDR.TUBE 3/8*420 mm TL-18; TL-18
53000239	HYDR. TUBE 3/8*420 mm TL-3/8; TL-18

HYDRAULIC TUBE DETAIL (105)



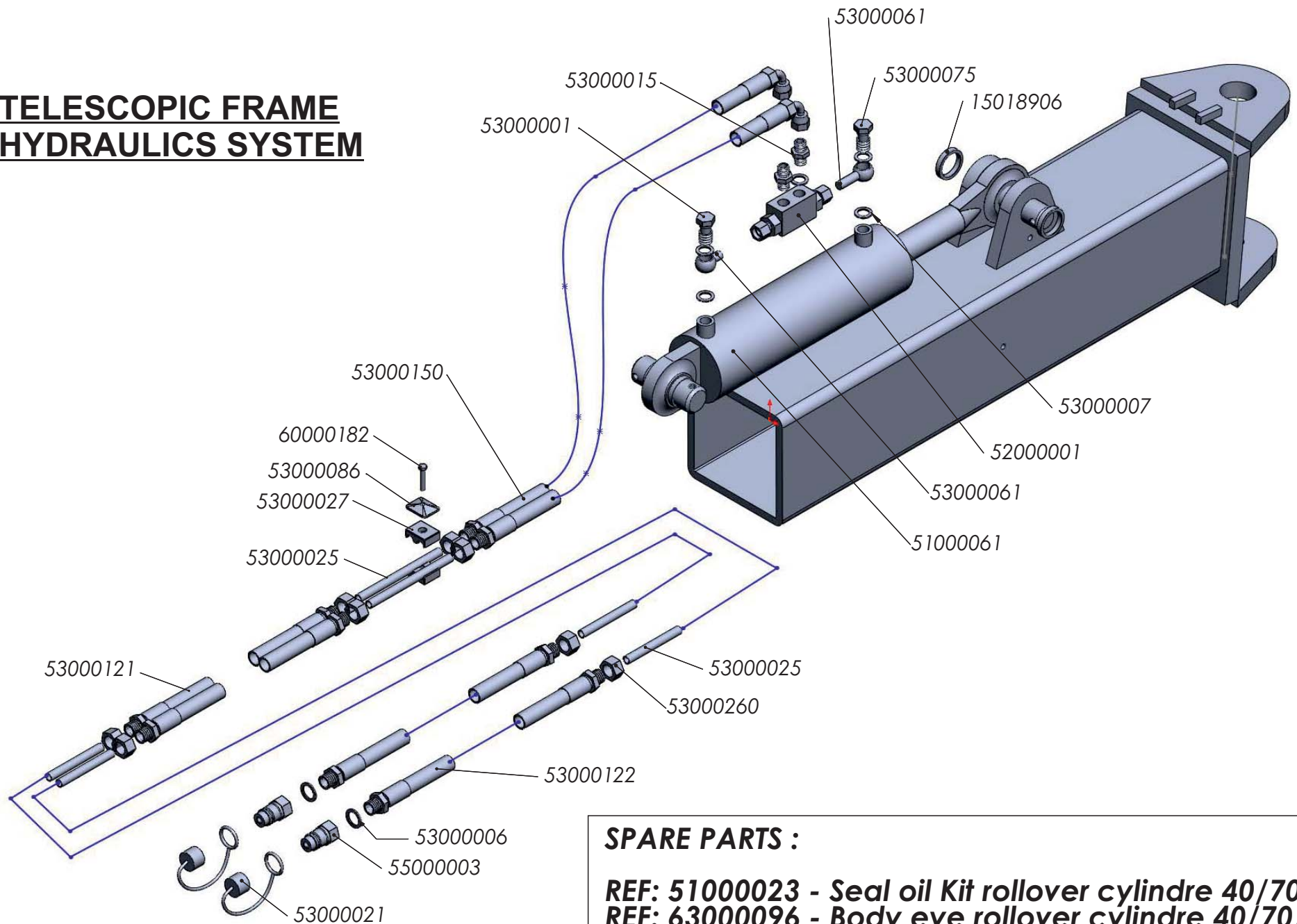
Reference	Description
53000031	HYDR. TUBE 3/8" 1300 mm OR-3/8; TL-18
53000042	HYDR. TUBE 3/8*930mm TL-18; TL-18
53000043	HYDR. TUBE 3/8" 830mm TL-18; TL-18
53000095	HYDR.TUBE 3/8*1950mm OR-3/8; TL-18
53000152	HYDR.TUBE 3/8*420 mm TL-18; TL-18
53000239	HYDR. TUBE 3/8*420 mm TL-3/8; TL-18
53000242	HYDR. TUBE 3/8*1020mm TL-18; TL-18

HYDRAULIC TUBE OF LOAD



Reference	Description
53000006	GASKET 1/2" 11603
53000037	MANOMETER
53000277	BLUE PLUG CAP 1/2"
53000364	JOINT MALE/FEMALE 1/2 GAS
53000414	T M/M 1/2 GAS
53000415	PRESSURE INTAKE 1/2 GAS
53000416	ADAPTER MANOMETER 16*200 1/4G
53000417	HYDR. TUBE 3/8*2300 mm MF-1/2; TL-1/2
55000001	FAST COUPLING BODY 1/2"
55000003	MALE FAST COUPLING 1/2" 30410108

TELESCOPIC FRAME HYDRAULICS SYSTEM



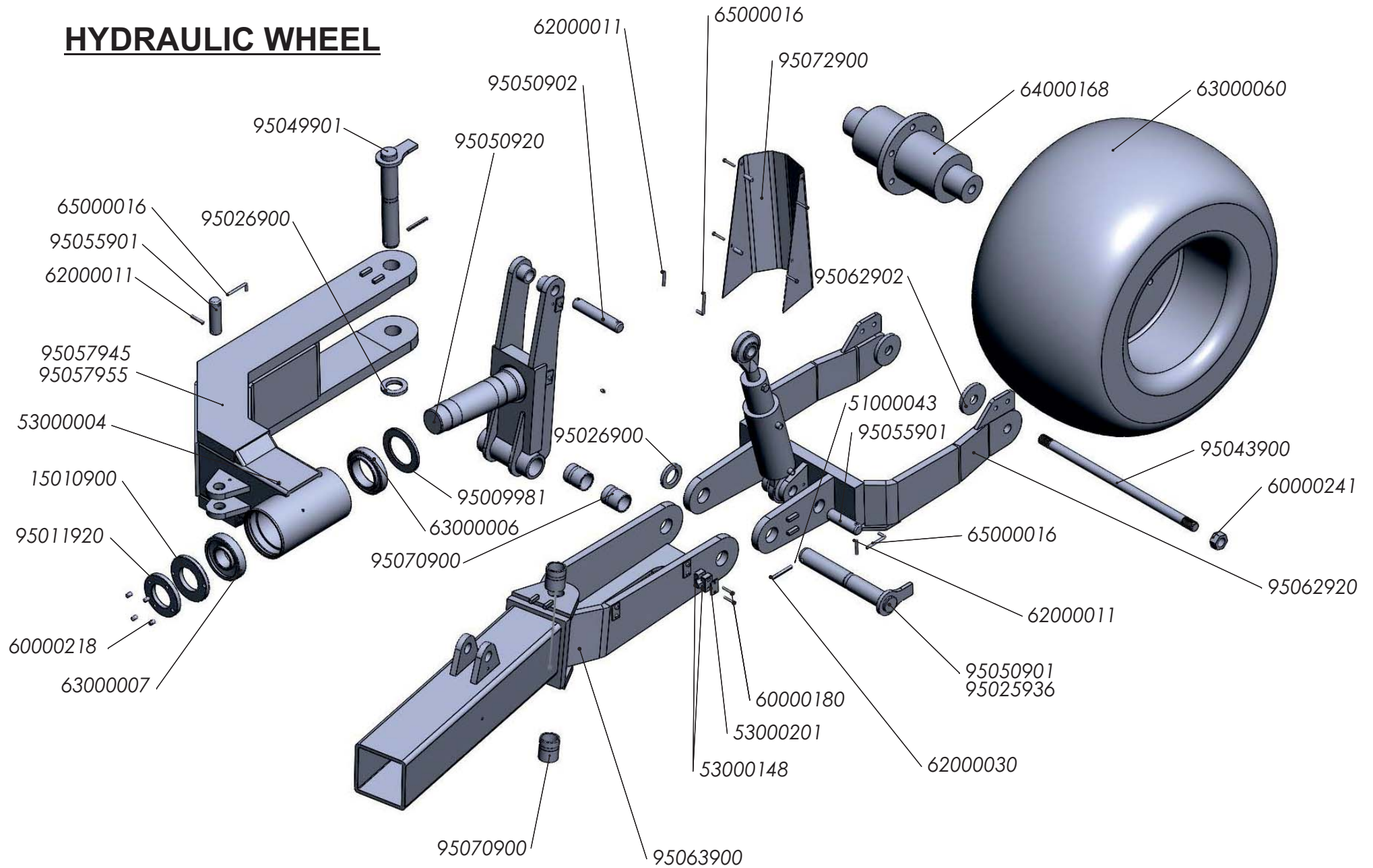
SPARE PARTS :

- REF: 51000023 - Seal oil Kit rolover cylindre 40/70/230**
- REF: 63000096 - Body eye rolover cylindre 40/70/230**
- REF: 63000020 - Stem eye rolover cylindre 40/70/230**

TELESCOPIC FRAME HYDRAULICS SYSTEM

Reference	Description
15018906	WIDTH SPACER D=45/35*8 mm
52000001	LOCKING VALVE 12 ZINC VBD38
53000001	BOLT 3/8 4022
53000006	GASKET 1/2" 11603
53000007	GASKET 3/8" 11602
53000015	MALE JOINT 3/8" 4062
53000021	PLUG RED CAP 1/2"
53000025	METRE STEEL TUBE 12*9 mm ZINC
53000027	DOUBLE STIRRUP D=12 mm 1D12PP
53000075	BOLT 3/8 4022-T
53000086	REINFORCEMENT PLATE 12 GD1D
53000121	HYDR.TUBE 3/8*500 mm MT-12; MT-12
53000122	HYDR.TUBE 3/8* 2150 mm MF-12; MT-12
53000150	HYDR.TUBE 3/8*500 mm MT-12; CTL-3/8
53000260	NUT M18*1,5 BICONE D12L
55000003	MALE FAST COUPLING 1/2" 30410108
60000182	BOLT D-933 6*35 8.8 ZINC

HYDRAULIC WHEEL



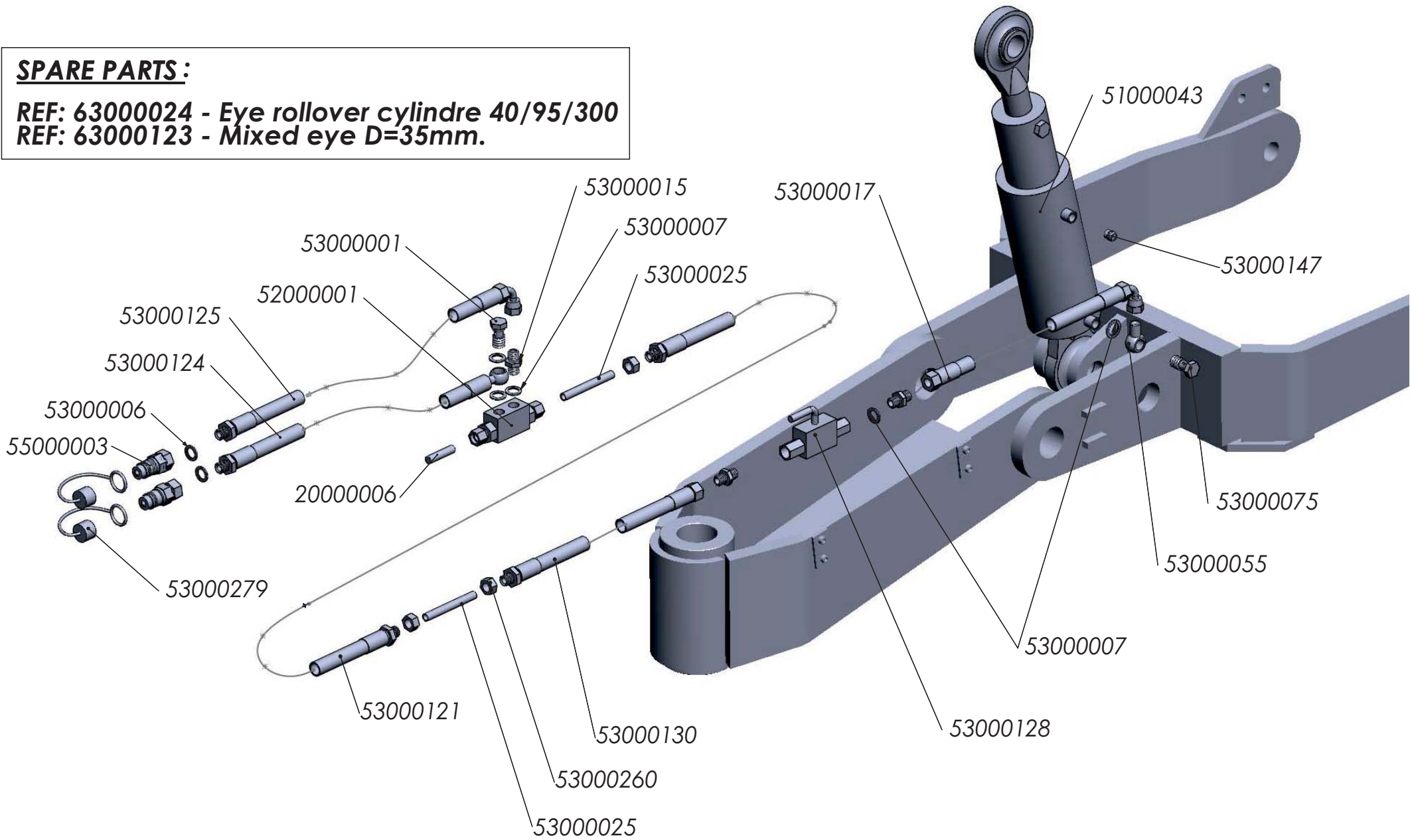
HYDRAULIC WHEEL

Reference	Description	Reference	Description
15010900	HEADSTOCK SHAFT NUT 110 (D/07)	95011920	HEADSTOCK 110/120/150 SHAFT NET LOCK
51000043	WHEEL CYLINDER 50/110/150 S.E. WITH NUT	95025936	PIN D=50*402 mm SS (D/14)
53000004	GREASER MT-503 8*125 D-71412	95026900	WASHER FRAME TURNING
53000025	METRE STEEL TUBE 12*9 mm ZINC	95043900	WHEEL SHAFT SS
53000148	SIMPLE STIRRUP D=18 mm 218PP	95049901	WHEEL TURN SUPPORT PIN SS (344mm)
53000201	REINFORCEMENT PLATE 18 DP2	95050901	WHEEL TURN AXLE PIN D=50*367 mm SS
60000180	BOLT D-931 6*40 8.8 ZINC	95050902	PIN D=34,8*188mm (SS WHEEL CYLIND.)
60000218	ALLEN BOLT D-913 12*16 12.9	95050920	WHEEL TURN AXLE SS (D/07)
60000241	SELF LOCKING NUT D-985 30/200 8.8 ZINC	95055901	PIN D=34,8*122 mm SS TELESCOPIC FRAME CYLIND.
62000011	ELASTIC PIN D-1481 8*50 ZINC	95057945	WHEEL CONNECTION SSN (D/07)
62000030	ELASTIC PIN D-1481 10*80 ZINC	95057955	WHEEL CONNECTION SLN (D/07)
63000006	REAR BEARING 32019	95062902	SS WHEEL HUB WASHER
63000007	FRONT BEARING 30217	95062920	WHEEL FORK SS
63000060	RUB.WHEEL WITH COUPLING 500/45*22,5" - 16PR	95063900	SS FORK CONNECTION
64000168	WHEEL HUB D/220 L-500	95070900	LAMINATED BUSH D=60/50*70 mm SS / FRAME TURNING
65000016	LOCK PIN D=7,5	95072900	WHEEL CYLIND.PROTECT.PLATE 600*400*2 mm
95009981	REAR WASHER 110 (D/07)		

HYDRAULIC SYSTEM WHEEL

SPARE PARTS :

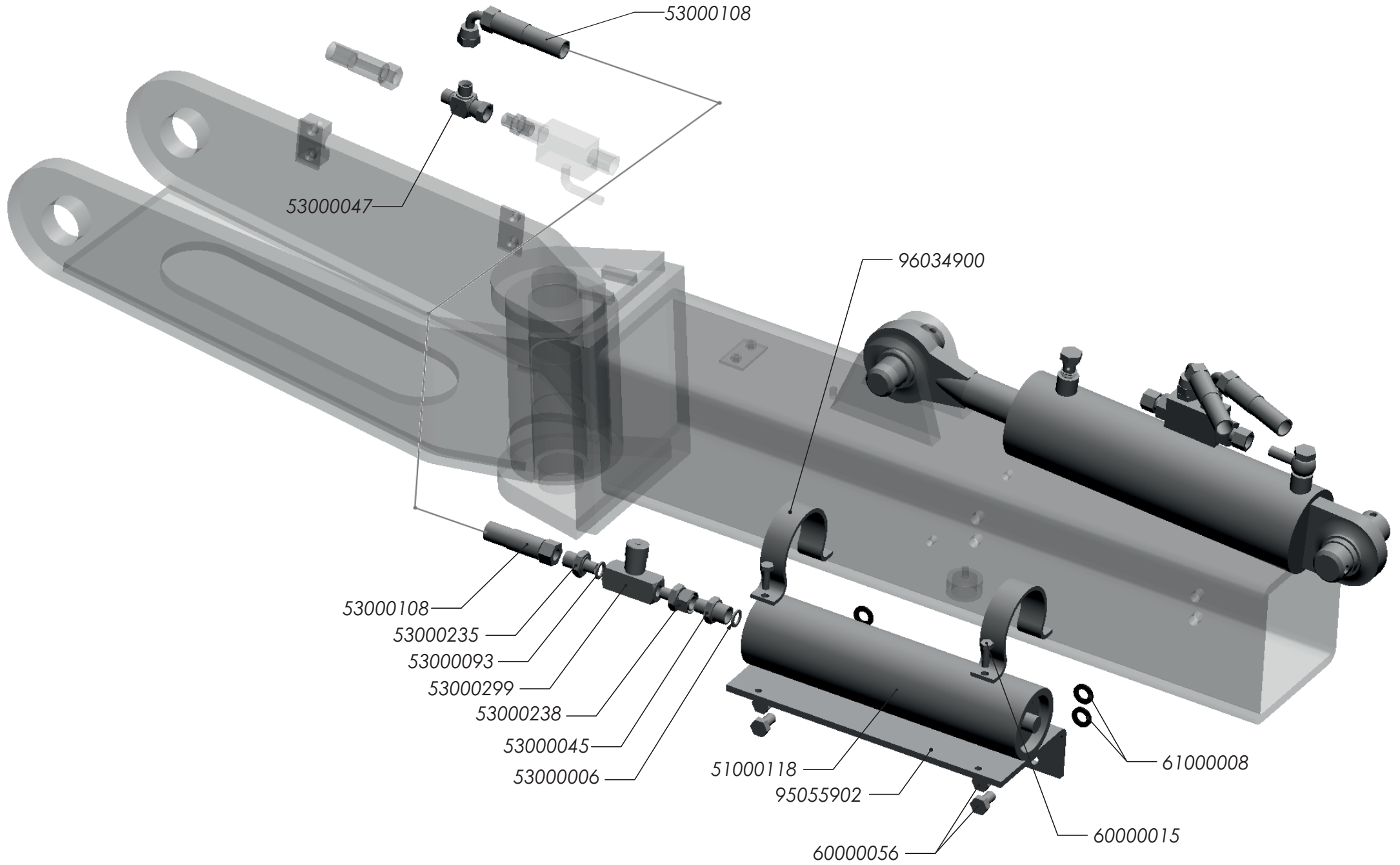
REF: 63000024 - Eye rolover cylindre 40/95/300
REF: 63000123 - Mixed eye D=35mm.



HYDRAULIC SYSTEM WHEEL

Reference	Description
51000043	WHEEL CYLINDER 50/110/150 S.E. WITH NUT
52000001	LOCKING VALVE 12 ZINC VBD38
53000001	BOLT 3/8 4022
53000006	GASKET 1/2" 11603
53000007	GASKET 3/8" 11602
53000015	MALE JOINT 3/8" 4062
53000017	HYDR. TUBE 3/8*500mm
53000025	METRE STEEL TUBE 12*9 mm ZINC
53000055	SCREWED NIPPLE 3/8 4012
53000075	BOLT 3/8 4022-T
53000121	HYDR.TUBE 3/8*500 mm MT-12; MT-12
53000124	HYDR.TUBE 3/8*2250 mm MF-1/2; OR-3/8
53000125	HYDR.TUBE 3/8*2290 mm MF-1/2; CTL-3/8
53000128	BALL VALVE 2/2 3/8 V2RH10
53000130	HYDR.TUBE 3/8*2150 mm MT-12; TL-3/8
53000147	SILENCER FILPOR 1/4 TR
53000279	PLUG GREEN CAP 1/2" 5029-4PG
55000003	MALE FAST COUPLING 1/2" 30410108

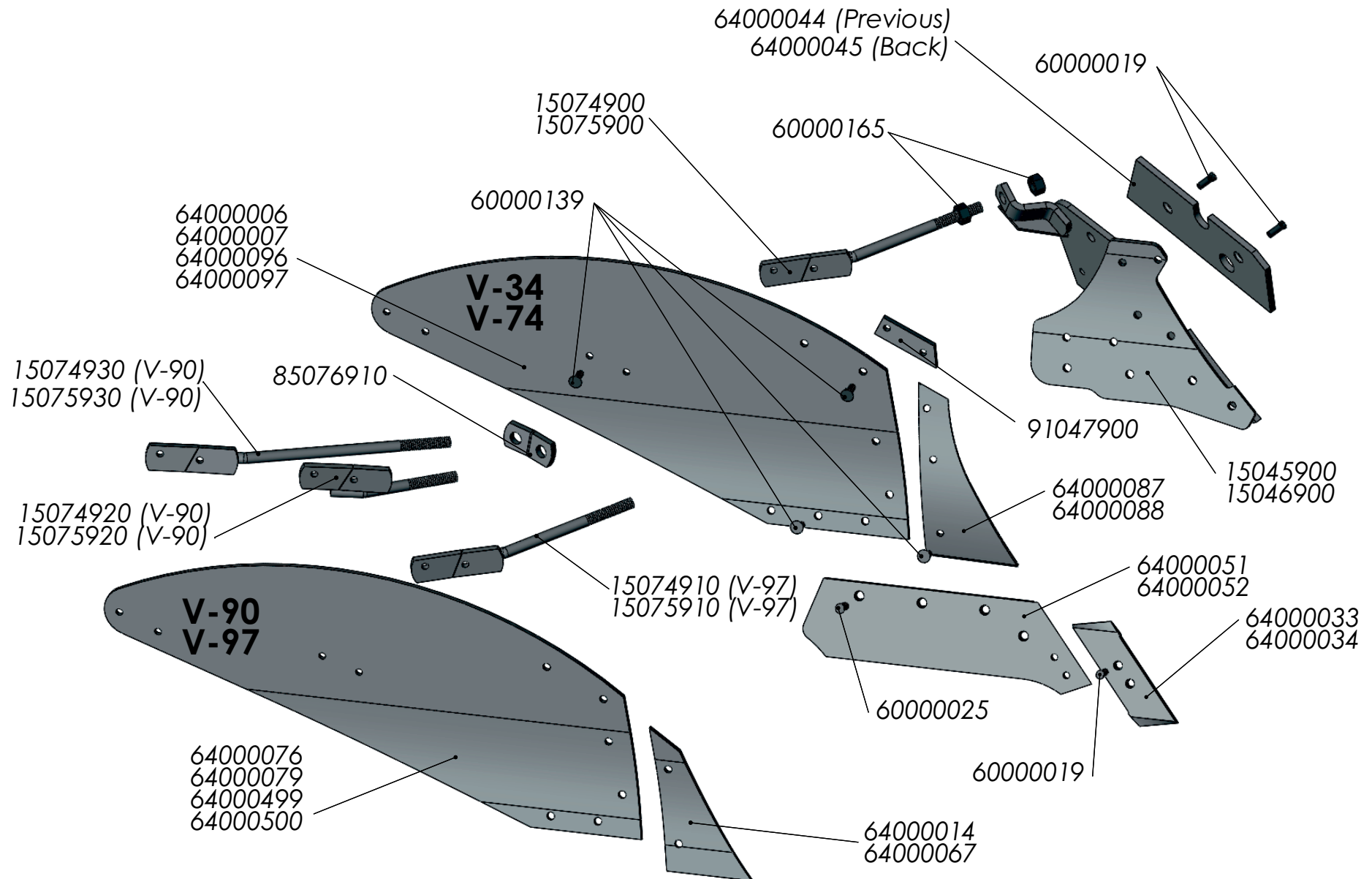
ACCUMULATOR ASSEMBLY WHEEL SS



ACCUMULATOR ASSEMBLY WHEEL SS

Reference	Description
51000118	OIL ACCUMULATOR
53000006	GASKET 1/2" 11603
53000045	REDUCTION JOINT 3/8-1/2
53000047	MALE/MALE JOINT HYDR.TUBE 3/8
53000093	GASKET 1/4 11601
53000108	HYDR. TUBE 3/8*900mm TL/CTL - 3/8
53000235	REDUCTION JOINT 1/4-3/8 4071
53000238	REDUCTION MALE JOINT 1/4-3/8
53000299	FLOW REGULATOR 1/4
60000015	BOLT D-933 8*25 8.8 ZINC
60000056	BOLT D-933 12*20 10.9
61000008	WASHER D-125 12 ZINC
95055902	WHEEL ACCUMULATOR SUPPORT SS
96034900	ACCUMULATOR STIRRUP

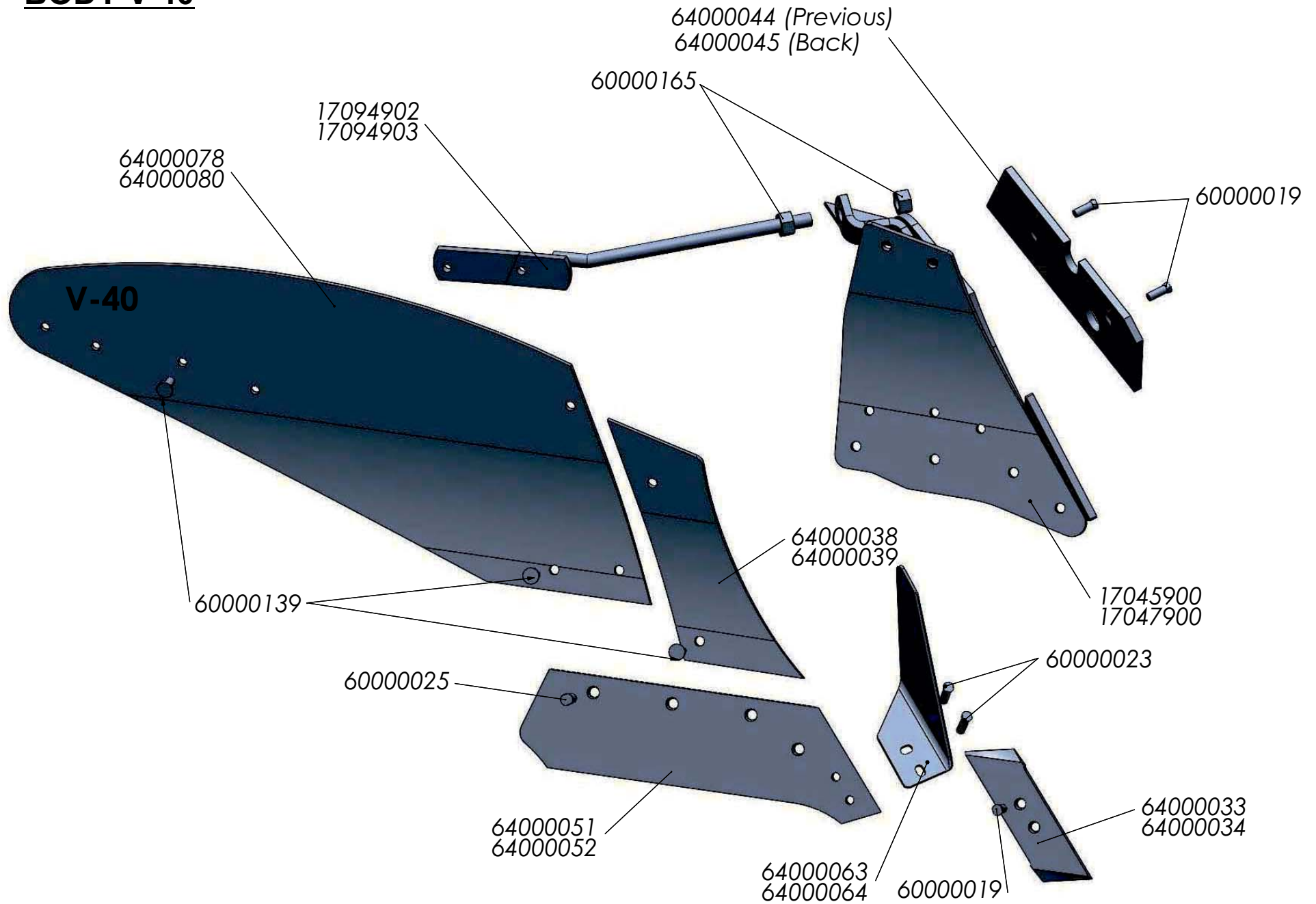
BODIES V-34 / V-74 / V-90 / V-97



BODIES V-34 / V-74 / V-90 / V-97

Reference	Description	Reference	Description
15045900	RIGHT FROG V-97 / V-34	64000033	SHARE POINT 1365-RIGHT 65x12 mm
15046900	LEFT FROG V-97 / V-34	64000034	SHARE POINT 1365-LEFT 65x12 mm
15074900	V-34 SHORT STAY RIGHT	64000044	SHORT LANDSLIDE 2338-CAV-BAR
15074910	V-97 SHORT STAY RIGHT	64000045	LONG LANDSLIDE 2339-CAV-BAR
15074920	V-90 SHORT STAY RIGHT	64000051	SHARE V-34-17 RIGHT-CAV
15074930	V-90 LONG STAY RIGHT	64000052	SHARE V-34-17 LEFT-CAV
15075900	V-34 SHORT STAY LEFT	64000067	SHIN 1798-LEFT BORON
15075910	V-97 SHORT STAY LEFT	64000076	MOULDBOARD V-97-RIGHT LAMIN.
15075920	V-90 SHORT STAY LEFT	64000079	MOULDBOARD V-97-LEFT LAMIN.
15075930	V-90 LONG STAY LEFT	64000087	SHIN 1849-RIGHT BORON
60000019	PLOUGH BOLT 934 12*36 12.9	64000088	SHIN 1849-LEFT BORON
60000025	PLOUGH BOLT 934 14*35 12.9	64000096	MOULDBOARD V-74-RIGHT BORON
60000139	PLOUGH BOLT 934 12*35 8.8 ZINC	64000097	MOULDBOARD V-74-LEFT BORON
60000165	NUT D-934 22 8.8 ZINC	64000499	MOULDBOARD V-90-RIGHT LAMIN.
64000006	MOULDBOARD V-34-RIGHT LAMIN.	64000500	MOULDBOARD V-90-LEFT LAMIN.
64000007	MOULDBOARD V-34-LEFT LAMIN.	85076910	V-90 LONG STAY SUPPORT
64000014	SHIN 1798-RIGHT BORON CAV	91047900	CONNECT. PLATE BOARD/SHIN V-34

BODY V-40



BODY V-40

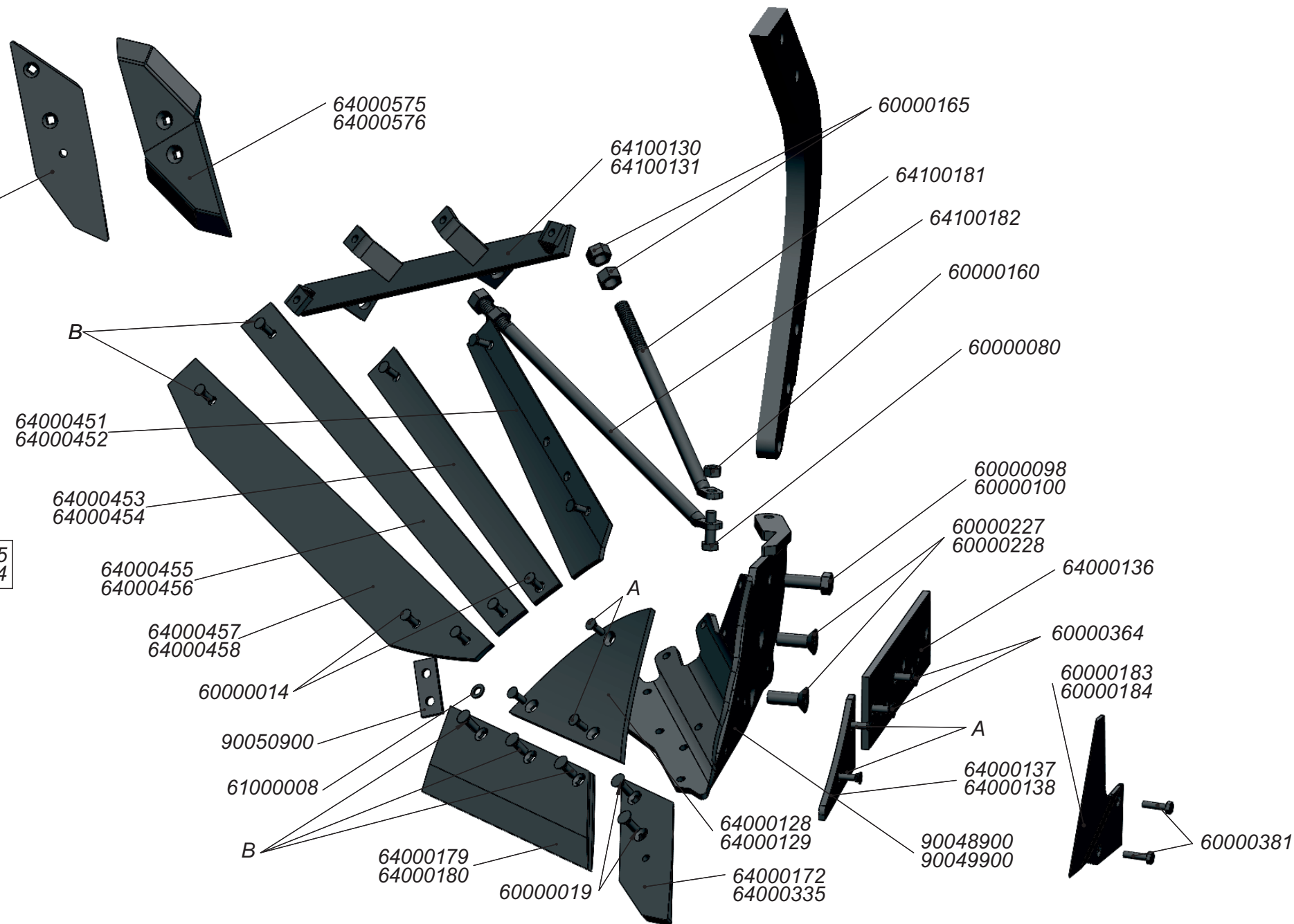
Reference	Description
17045900	RIGHT FROG V-40
17047900	LEFT FROG V-40
17094902	V-40 SHORT STAY RIGHT
17094903	V-40 SHORT STAY LEFT
60000019	PLOUGH BOLT 934 12*36 12.9
60000023	PLOUGH BOLT 934 12*42 12.9
60000025	PLOUGH BOLT 934 14*35 12.9
60000139	PLOUGH BOLT 934 12*35 8.8 ZINC
60000165	NUT D-934 22 8.8 ZINC
64000033	SHARE POINT 1365-RIGHT 65x12 mm
64000034	SHARE POINT 1365-LEFT 65x12 mm
64000038	SHIN 1839-RIGHT BORON
64000039	SHIN 1839-LEFT BORON
64000044	SHORT LANDSLIDE 2338-CAV-BAR
64000045	LONG LANDSLIDE 2339-CAV-BAR
64000051	SHARE V-34-17 RIGHT-CAV
64000052	SHARE V-34-17 LEFT-CAV
64000063	SHARE KNIFE 1464-RIGHT
64000064	SHARE KNIFE 1464-LEFT
64000078	MOULDBOARD V-40-RIGHT LAMIN.
64000080	MOULDBOARD V-40-LEFT LAMIN.

BODY LOV (SLATTED)

POINTS :

en 20 mm

A: 60000465
B: 60000014

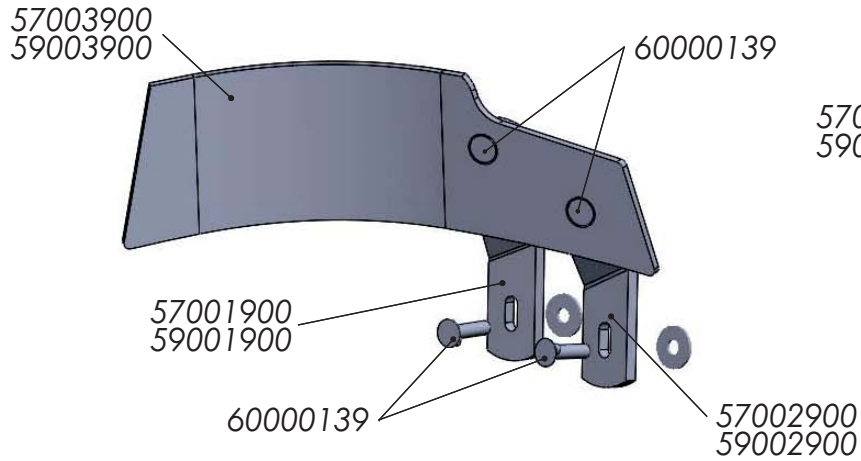


BODY LOV (SLATTED)

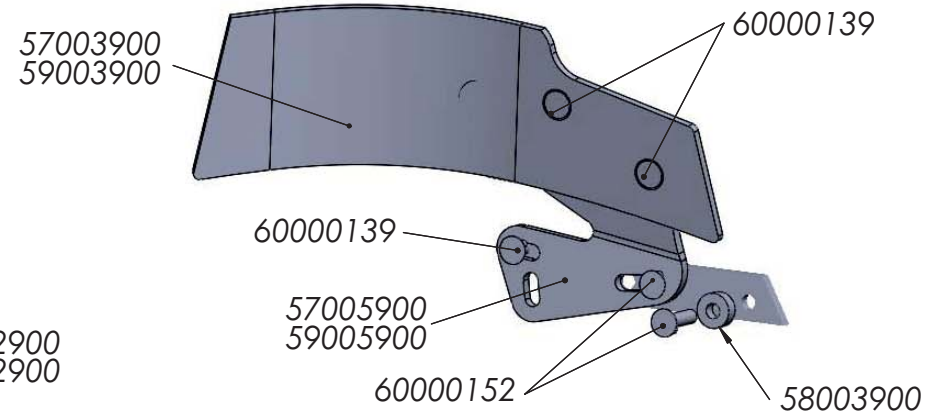
Reference	Description	Reference	Description
60000014	PLOUGH BOLT 12*33 12.9	64000183	SHARE KNIFE RIGHT-LK 3492890
60000019	PLOUGH BOLT 934 12*36 12.9	64000184	SHARE KNIFE LEFT-LK 3492891
60000080	BOLT D-931 16*60 8.8 ZINC	64000335	SHARE POINT LEFT 15 mm
60000098	BOLT D-931 20*60 8.8	64000451	SLAT 1-RIGHT
60000100	BOLT D-931 20*70 8.8	64000452	SLAT 1-LEFT
60000160	NUT D-934 16 8.8 ZINC	64000453	SLAT 2-RIGHT
60000165	NUT D-934 22 8.8 ZINC	64000454	SLAT 2-LEFT
60000227	ALLEN BOLT D-7991 20*60 10.9	64000455	SLAT 3-RIGHT
60000228	ALLEN BOLT D-7991 20*70 10.9	64000456	SLAT 3-LEFT
60000381	PLOUGH BOLT D-608/934 10*40 8.8	64000457	SLAT 4-RIGHT
60000465	PLOUGH BOLT 934 10*33 12.9	64000458	SLAT 4-LEFT
61000008	WASHER D-125 12 ZINC	64000575	SHARE POINT RIGHT REVERS.
64000128	SHIN RIGHT	64000576	SHARE POINT LEFT REVERS.
64000129	SHIN LEFT	64100130	SUPPORT WITH STAYS RIGHT SLATTED
64000136	LANDSLIDE RIGHT/LEFT	64100131	SUPPORT WITH STAYS LEFT SLATTED
64000137	LANDSLIDE POINT RIGHT	64100181	SHORT STAY SLATT.MOULDB.
64000138	LANDSLIDE POINT LEFT	64100182	LONG STAY SLATT.MOULDB.
64000172	SHARE POINT RIGHT 15 mm	90048900	PLOUGH BODY SLATTED RIGHT
64000179	SHARE 20" RIGHT	90049900	PLOUGH BODY SLATTED LEFT
64000180	SHARE 20" LEFT	90050900	CONNECT.PLATE BOARD/SHARE SLATTED

TRASH BOARDS

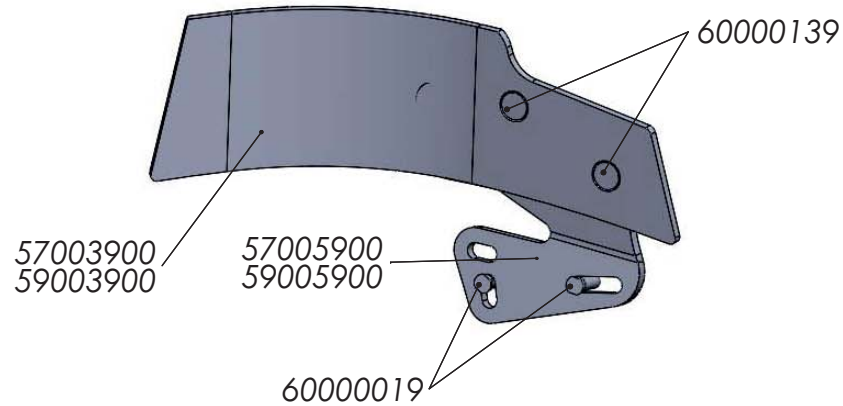
V-40



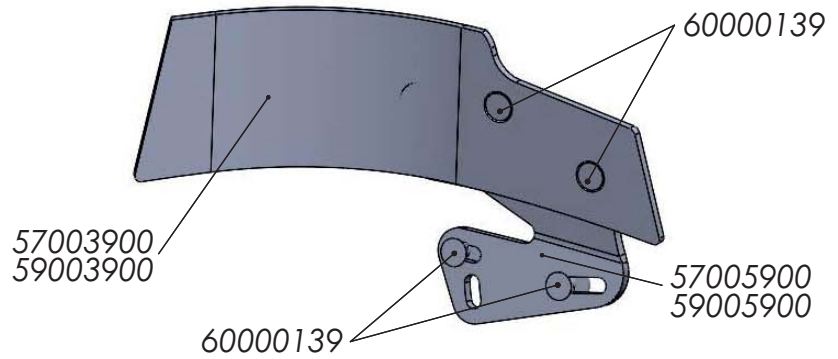
V-34 / V-74



V-LOV



V-90 / V-97

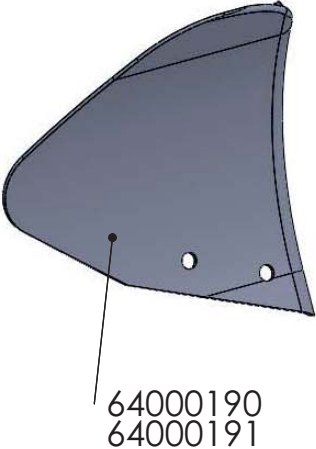


TRASH BOARDS

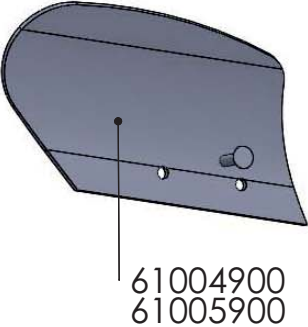
Reference	Description
57001900	REAR SUPP. TRASH B. V-40 RIGHT
57002900	FRONT SUPPORT TRASH B. V-40 RIGHT
57003900	TRASH BOARD 1856-RIGHT BORON
57005900	SUPP. RIGHT TRASH B. V-97 / V-34 / V-LOV)
58003900	BUSH D=30/13*12 mm SPACER SUPPORT V-34 ZINC
59001900	REAR SUPPORT TRASH B. V-40 LEFT
59002900	FRONT SUPPORT TRASH B. V-40 LEFT / REAR TRASH 1701
59003900	TRASH BOARD 1856-LEFT BORON
59005900	SUPP. LEFT TRASH B. V-97 / V-34 / V-LOV
60000019	PLOUGH BOLT 934 12*36 12.9
60000139	PLOUGH BOLT 934 12*35 8.8 ZINC
60000152	PLOUGH BOLT 934 12*45 8.8 ZINC

SKIMMERS SB

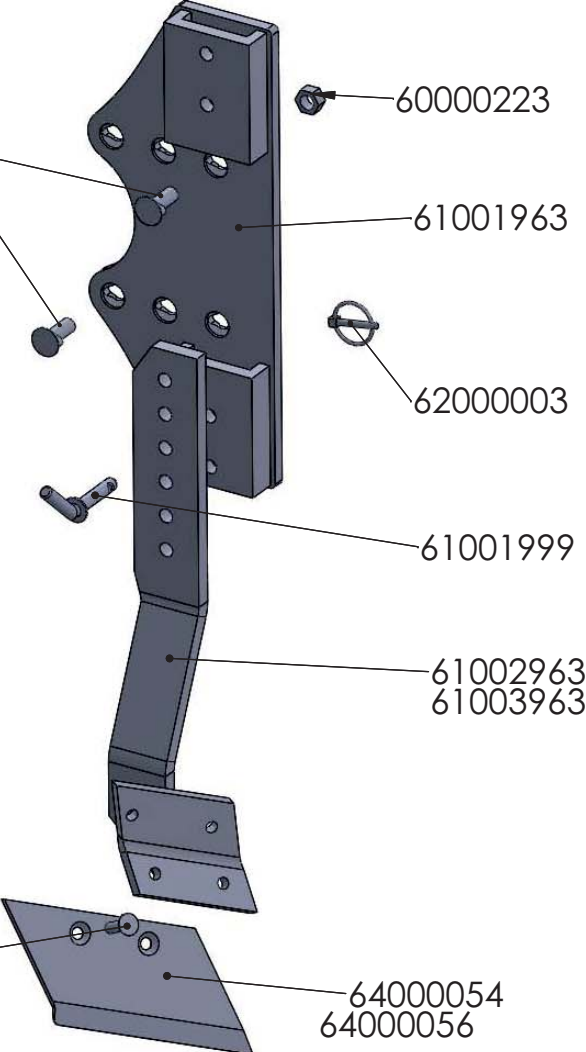
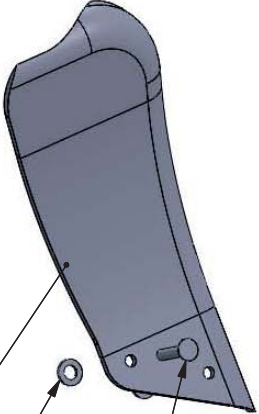
LARGE CAPACITY



GRASS



MAIZE



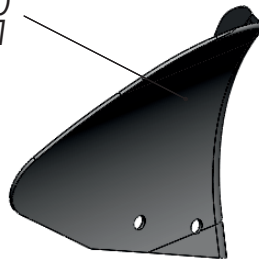
SKIMMERS SB

Reference	Description
60000037	PLOUGH BOLT 934 10*35 10.9 ZINC
60000213	PLOUGH BOLT 10*45 10.9 ZINC
60000223	SELF LOCK. NUT D-980 14 8.8 ZINC
60000432	PLOUGH BOLT D-934 14*40 10.9 ZINC
61000051	WASHER D-125 10 ZINC
61001963	SUPPORT SKIMMER SBHN D/76 cm (D/13)
61001999	REGULATION SKIMMER PIN D=12*120 mm
61002963	SKIMMER ARM SB/H-LVB/H RIGTH (D/13-AG)
61003963	SKIMMER ARM SB/H-LVB/H LEFT (D/13-AG)
61004900	RIGHT GRASS SKIM. 1855 BORON
61005900	LEFT GRASS SKIM. 1855 BORON
62000003	RING SPLIT PIN 6 ZINC
64000035	RIGHT MAIZE SKIM. 1820 BORON
64000036	LEFT MAIZE SKIM. 1820 BORON
64000054	SKIM. SHARE 1394 RIGHT
64000056	SKIM. SHARE 1394 LEFT
64000190	RIGHT SKIM 1705 BORON
64000191	LEFT SKIM 1705 BORON

SKIMMERS

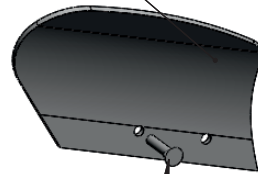
LARGE CAPACITY

64000190
64000191



61004900
61005900

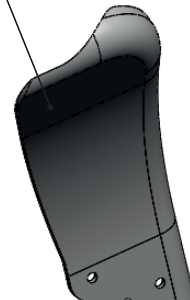
GRASS



60000037

MAIZE

64000035
64000036



60000213

61001978

60000432

60000223

62000003

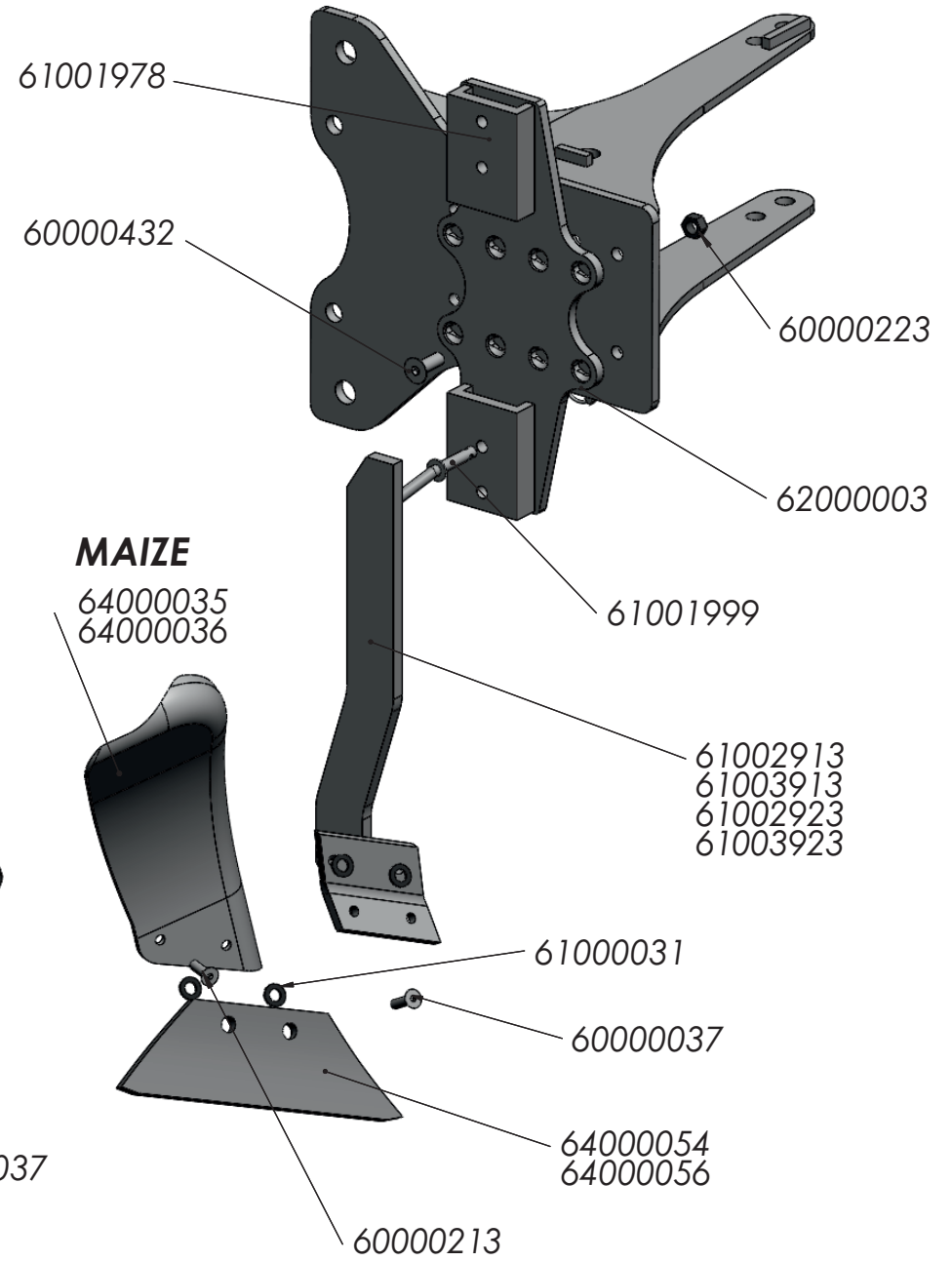
61001999

61002913
61003913
61002923
61003923

61000031

60000037

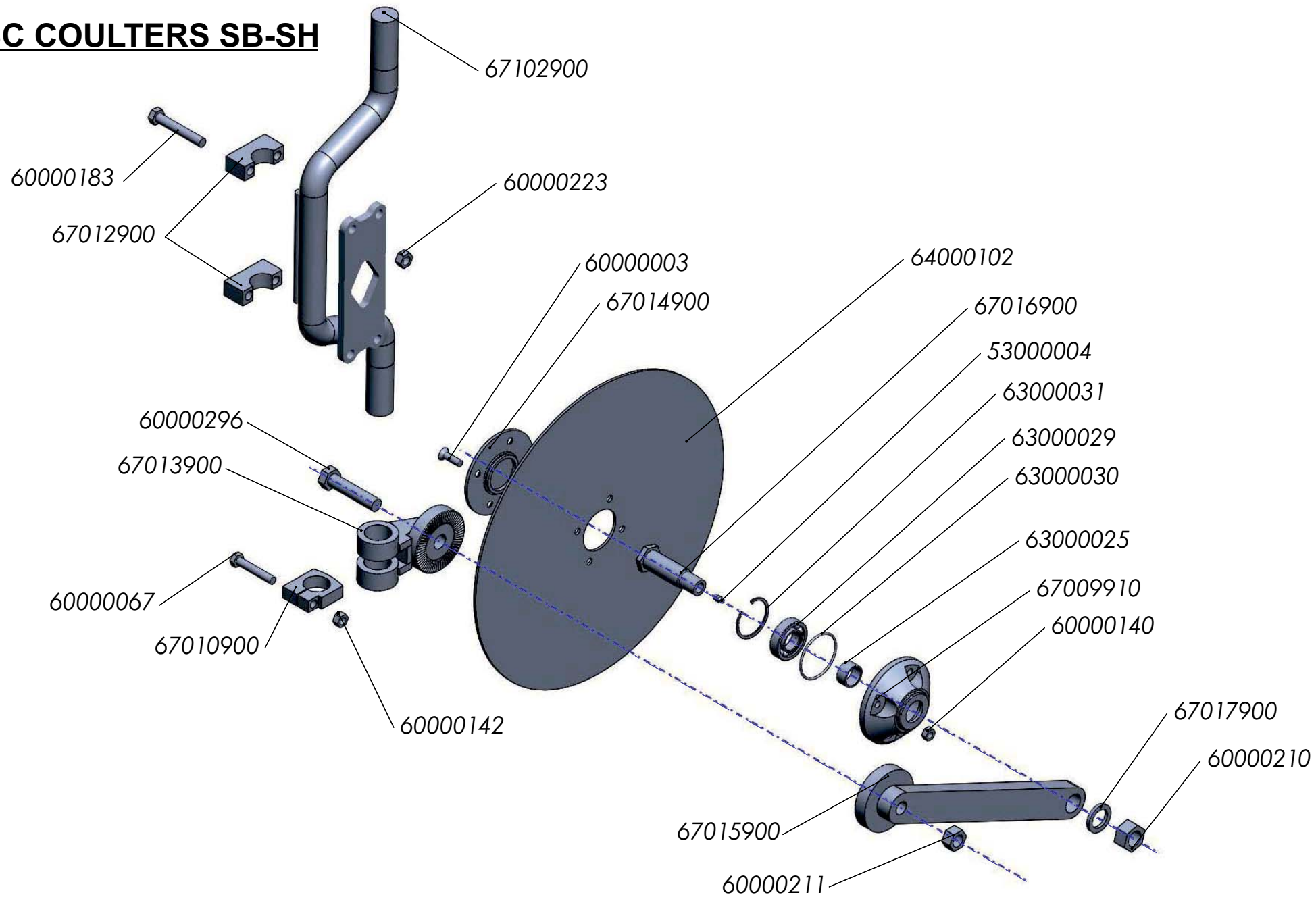
64000054
64000056



SKIMMERS

Reference	Description
60000037	PLOUGH BOLT 934 10*35 10.9 ZINC
60000213	PLOUGH BOLT 10*45 10.9 ZINC
60000223	SELF LOCK. NUT D-980 14 8.8 ZINC
60000432	PLOUGH BOLT D-934 14*40 10.9 ZINC
61000031	WASHER 26 ZINC
61001978	SKIMMER BRACKET D/76-86 cm (D/13)
61001999	REGULATION SKIMMER PIN D=12*120 mm
61002913	SKIMMER ARM RIGHT SN (D/13-AG)
61002923	SKIMMER ARM RIGHT SN 86 cm (D/13-AG)
61003913	SKIMMER ARM LEFT SN (D/13-AG)
61003923	SKIMMER ARM LEFT SN 86 cm (D/13-AG)
61004900	RIGHT GRASS SKIM. 1855 BORON
61005900	LEFT GRASS SKIM. 1855 BORON
62000003	RING SPLIT PIN 6 ZINC
64000035	RIGHT MAIZE SKIM. 1820 BORON
64000036	LEFT MAIZE SKIM. 1820 BORON
64000054	SKIM. SHARE 1394 RIGHT
64000056	SKIM. SHARE 1394 LEFT
64000190	RIGHT SKIM 1705 BORON
64000191	LEFT SKIM 1705 BORON

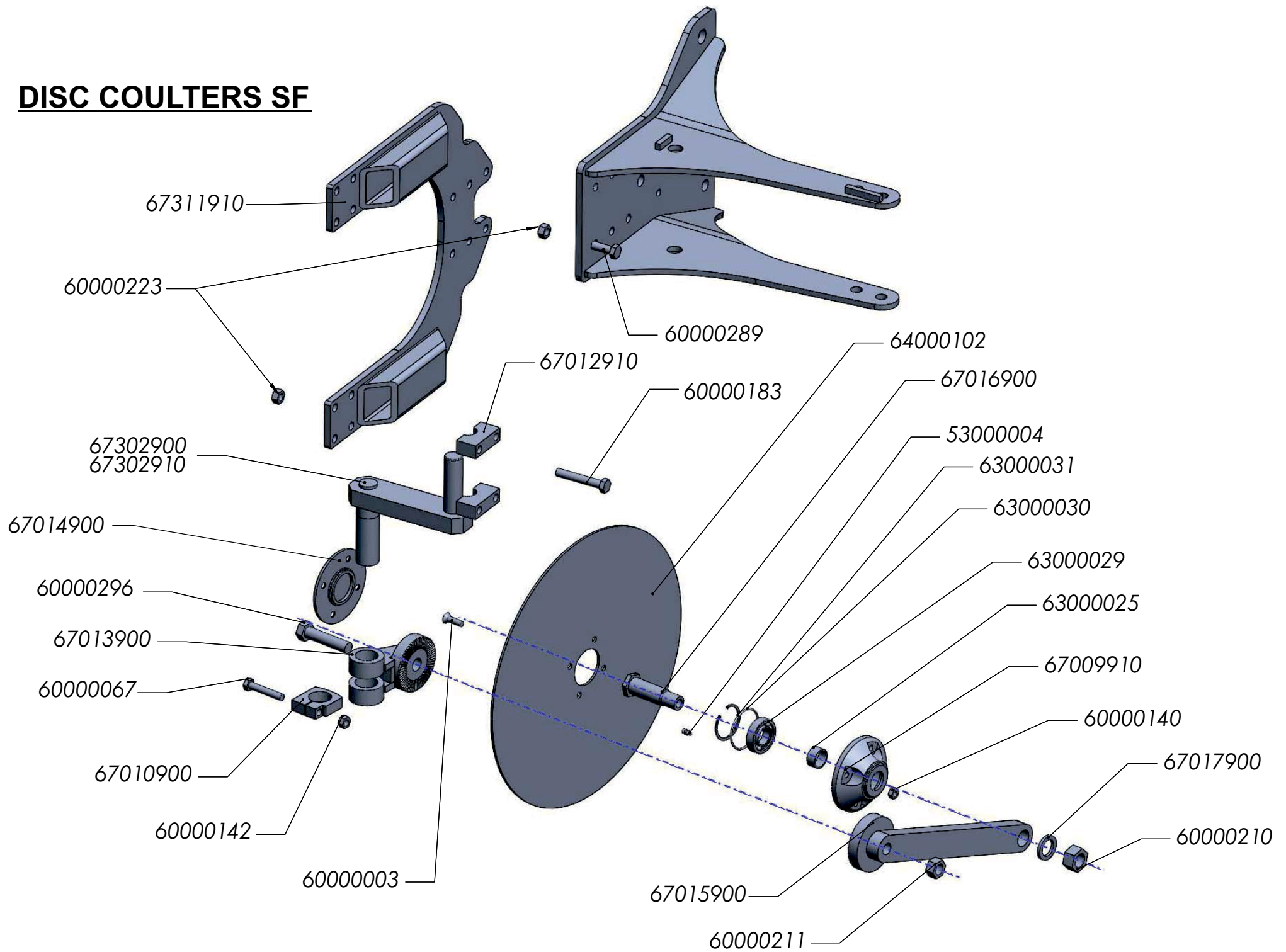
DISC COULTERS SB-SH



DISC COULTERS SB-SH

Reference	Description	Reference	Description
53000004	GREASER MT-503 8*125 D-71412	63000030	OIL SEAL 35-52-7
60000003	ALLEN BOLT D-7991 10*40 10.9 ZINC	63000031	ELASTIC RING D-472 62
60000067	BOLT D-931 12*70 8.8 ZINC	64000102	DISC COULTER ED 5 1983-20" R-68
60000140	SELF LOCK. NUT D-980 10 8.8 ZINC	67009910	20" DISC HUB
60000142	SELF LOCK NUT D-980 12 8.8 ZINC	67010900	ADJUSTMENT PLATE
60000183	BOLT D-931 14*90 8.8 ZINC	67012900	LOCK U-BOLT ZINC
60000210	SELF LOCK NUT D-985 1" SAE 8.8	67013900	TURN SUPPORT 20" DISC
60000211	SELF LOCK NUT D-985 20 8.8	67014900	DISC CAP
60000223	SELF LOCK. NUT D-980 14 8.8 ZINC	67015900	20" DISC ARM
60000296	BOLT D-931 20*90 8.8 ZINC	67016900	SHAFT 20" DISCS
63000025	INSIDE RING 30*35*17	67017900	WASHER 20" DISC SHAFT
63000029	BEARING 3206	67102900	DISC COULTERS ARM SB/SH

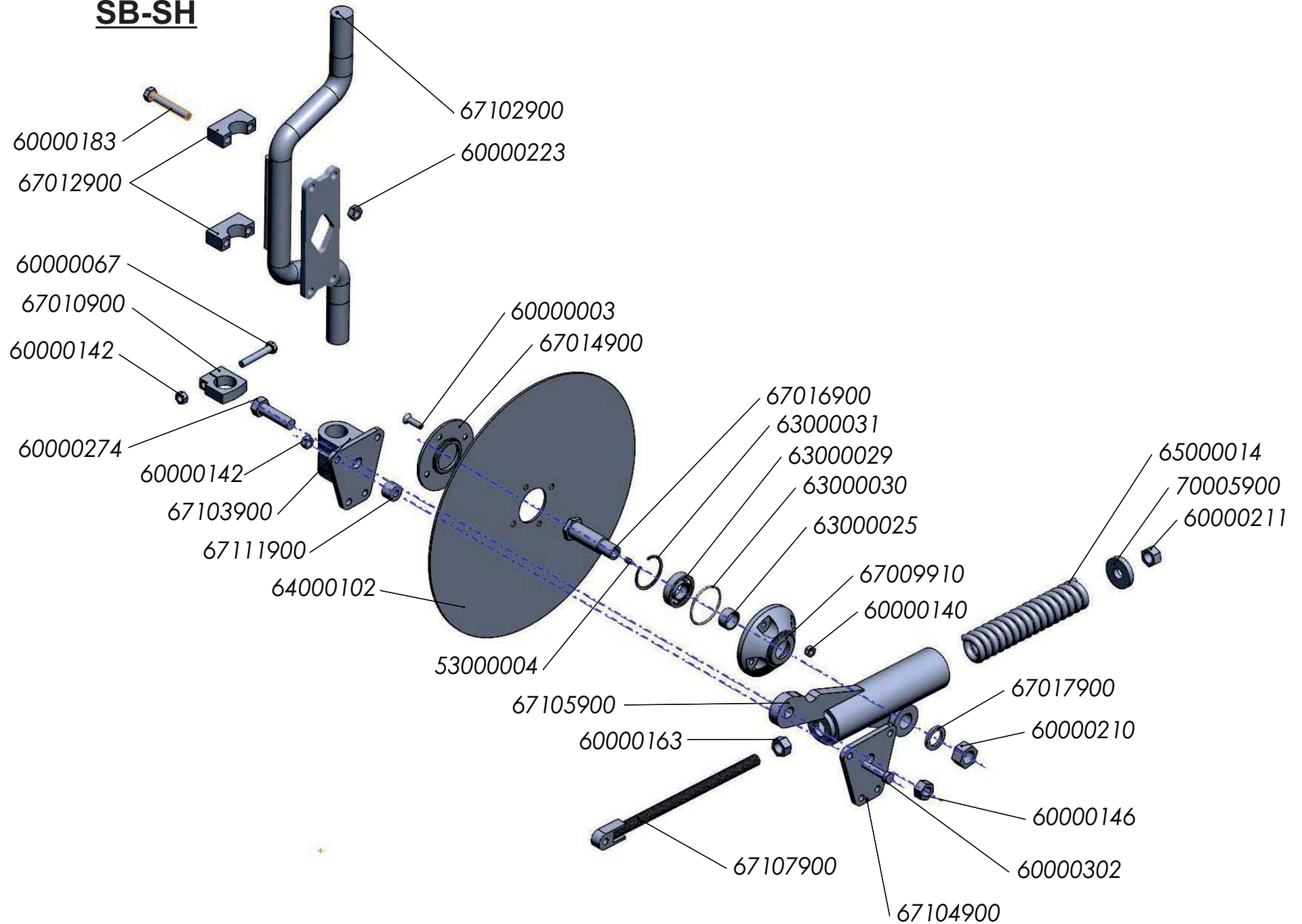
DISC COULTERS SF



DISC COULTERS SF

Reference	Description	Reference	Description
53000004	GREASER MT-503 8*125 D-71412	63000031	ELASTIC RING D-472 62
60000003	ALLEN BOLT D-7991 10*40 10.9 ZINC	64000102	DISC COULTER ED 5 1983-20" R-68
60000067	BOLT D-931 12*70 8.8 ZINC	67009910	20" DISC HUB
60000140	SELF LOCK. NUT D-980 10 8.8 ZINC	67010900	ADJUSTMENT PLATE
60000142	SELF LOCK NUT D-980 12 8.8 ZINC	67012910	LOCK U-BOLT D=32
60000183	BOLT D-931 14*90 8.8	67013900	TURN SUPPORT 20" DISC
60000210	SELF LOCK NUT D-985 1" SAE 8.8	67014900	DISC CAP
60000211	SELF LOCK NUT D-985 20 8.8	67015900	20" DISC ARM
60000223	SELF LOCK. NUT D-980 14 8.8 ZINC	67016900	SHAFT 20" DISCS
60000289	BOLT D-931 14*40 12.9 ZINC	67017900	WASHER 20" DISC SHAFT
60000296	BOLT D-931 12*80 12.9	67302900	SEMI SHORT ARM
63000025	INSIDE RING 30*35*17	67302910	SEMI LONG ARM
63000029	BEARING 3206	67311910	DISC COULTERS SUPPORT (D/10)
63000030	OIL SEAL 35-52-7		

NON STOP DISC COULTERS SB-SH

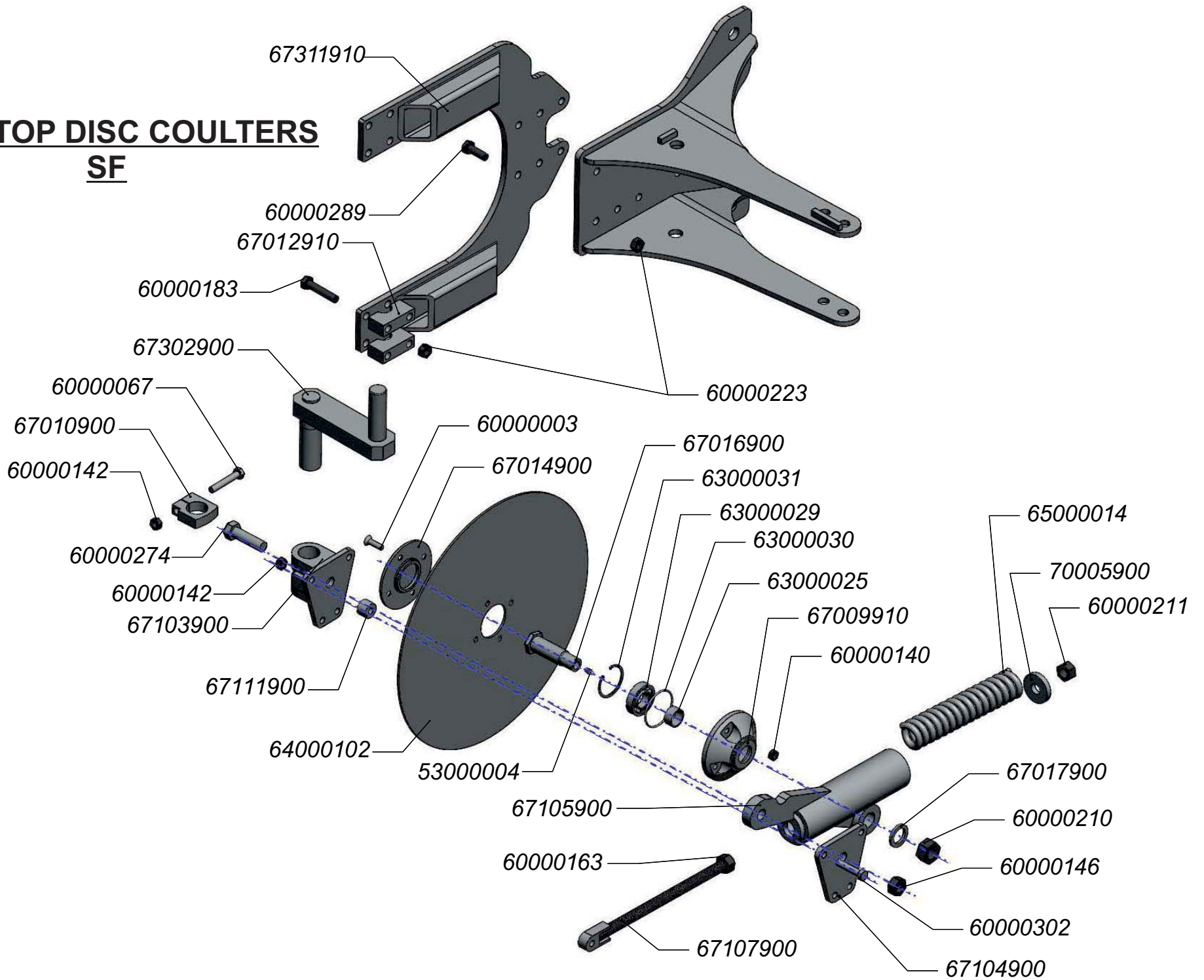


NON STOP DISC COULTERS

SB-SH

Reference	Description	Reference	Description
53000004	GREASER MT-503 8*125 D-71412	63000031	ELASTIC RING D-472 62
60000003	ALLEN BOLT D-7991 10*40 10.9 ZINC	64000102	DISC COULTER ED 5 1983-20" R-68
60000067	BOLT D-931 12*70 8.8 ZINC	65000014	COMPRESSION CYLINDER SPRING 110*40*5 ZINC
60000140	SELF LOCK. NUT D-980 10 8.8 ZINC	67009910	20" DISC HUB
60000142	SELF LOCK NUT D-980 12 8.8 ZINC	67010900	ADJUSTMENT PLATE
60000146	SELF LOCK NUT D-980 20 10.9 ZINC	67012900	LOCK U-BOLT ZINC
60000163	NUT D-934 20 8.8 ZINC	67014900	DISC CAP
60000183	BOLT D-931 14*90 8.8 ZINC	67016900	SHAFT 20" DISCS
60000210	SELF LOCK NUT D-985 1" SAE 8.8	67017900	WASHER 20" DISC SHAFT
60000211	SELF LOCK NUT D-985 20 8.8	67102900	DISC COULTERS ARM SB/SH
60000223	SELF LOCK. NUT D-980 14 8.8 ZINC	67103900	SPRING-LOADED DISC TURN
60000274	BOLT D-931 20*70 8.8 ZINC	67104900	PLATE TURN SUPPORT SP.LOADED DISC
60000302	BOLT D-931 12*55 8.8	67105900	SPRING-LOAD. DISC ARM
63000025	INSIDE RING 30*35*17	67107900	SPRING-LOADED DISC ROD
63000029	BEARING 3206	67111900	SPACER SP.-LOADED DISC TURN
63000030	OIL SEAL 35-52-7	70005900	REINF. WASHER 58*21 E-10mm

NON STOP DISC COULTERS SF

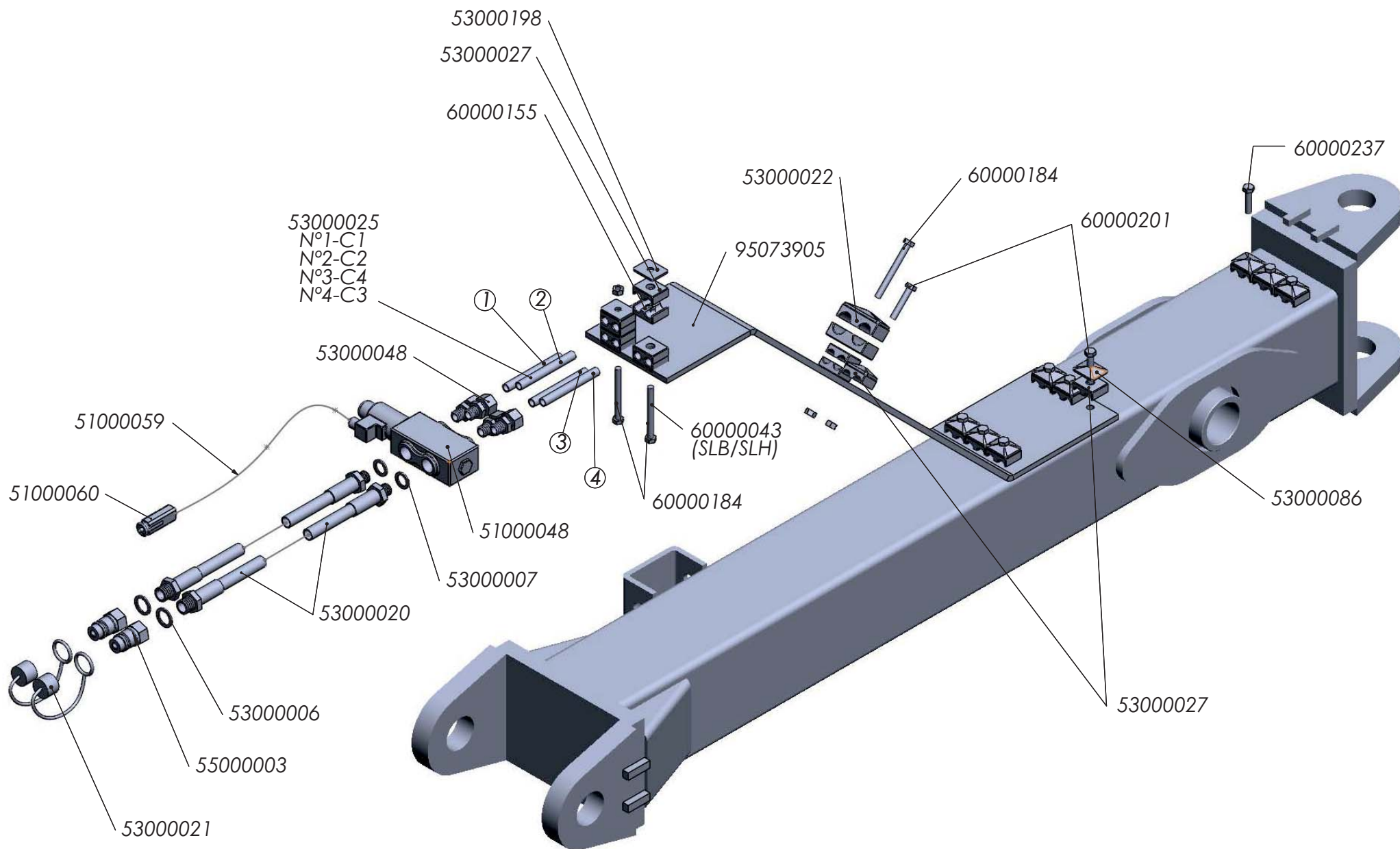


NON STOP DISC COULTERS

SF

Reference	Description	Reference	Description
53000004	GREASER MT-503 8*125 D-71412	63000031	ELASTIC RING D-472 62
60000003	ALLEN BOLT D-7991 10*40 10.9 ZINC	64000102	DISC COULTER ED 5 1983-20" R-68
60000067	BOLT D-931 12*70 8.8 ZINC	65000014	COMPRESSION CYLINDER SPRING 275*57*12
60000140	SELF LOCK. NUT D-980 10 8.8 ZINC	67009910	20" DISC HUB
60000142	SELF LOCK NUT D-980 12 8.8 ZINC	67010900	ADJUSTMENT PLATE
60000146	SELF LOCK NUT D-980 20 10.9 ZINC	67012910	LOCK U-BOLT D=32
60000163	NUT D-934 20 8.8 ZINC	67014900	DISC CAP
60000183	BOLT D-931 14*90 8.8 ZINC	67016900	SHAFT 20" DISCS
60000210	SELF LOCK NUT D-985 1" SAE 8.8	67017900	WASHER 20" DISC SHAFT
60000211	SELF LOCK NUT D-985 20 8.8	67103900	SPRING-LOADED DISC TURN
60000223	SELF LOCK. NUT D-980 14 8.8 ZINC	67104900	PLATE TURN SUPPORT SP.LOADED DISC
60000274	BOLT D-931 20*70 8.8 ZINC	67105900	SPRING-LOAD. DISC ARM
60000289	BOLT D-931 14*40 12.9 ZINC	67107900	SPRING-LOADED DISC ROD
60000302	BOLT D-931 12*55 8.8	67111900	SPACER SP.-LOADED DISC TURN
63000025	INSIDE RING 30*35*17	67302900	SEMI SHORT ARM
63000029	BEARING 3206	67311910	DISC COULTERS SUPPORT (D/10)
63000030	OIL SEAL 35-52-7	70005900	REINF. WASHER 58*21 E-10mm

SUPPLEMENT ELECTRO VALVE



SUPPLEMENT ELECTRO VALVE

Reference	Description
51000048	6-WAY DISTRIBUTOR M9278/12
51000049	METRE PE TUBE 2*1
51000060	LIGHTER PLUG 223963
53000006	GASKET 1/2" 11603
53000007	GASKET 3/8" 11602
53000020	HYDR. TUBE 3/8*1800 mm MF-1/2; MF-3/8
53000021	PLUG RED CAP 1/2"
53000022	DOUBLE U-BOLT D=19 mm 1D19PP
53000025	METRE STEEL TUBE 12*9 mm ZINC
53000027	DOUBLE STIRRUP D=12 mm 1D12PP
53000048	MALE JOINT BSP 3/8-1/2 GE12-L
53000086	REINFORCEMENT PLATE 12 GD1D
53000198	REINF.PLATE WASHER 12 DP1
55000003	MALE FAST COUPLING 1/2" 30410108
60000043	BOLT D-931 8*55 8.8 ZINC
60000155	NUT D-934 8 8.8 ZINC
60000184	BOLT D-931 8*80 8.8 ZINC
60000201	BOLT D-931 8*50 8.8 ZINC
60000237	BOLT D-931 8*35 8.8 ZINC
95073905	HYDR. PIPES BRACEKT SS



ovlac

FACTORY AND ADMINISTRATION
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E-mail: fabricacion@ovlac.com