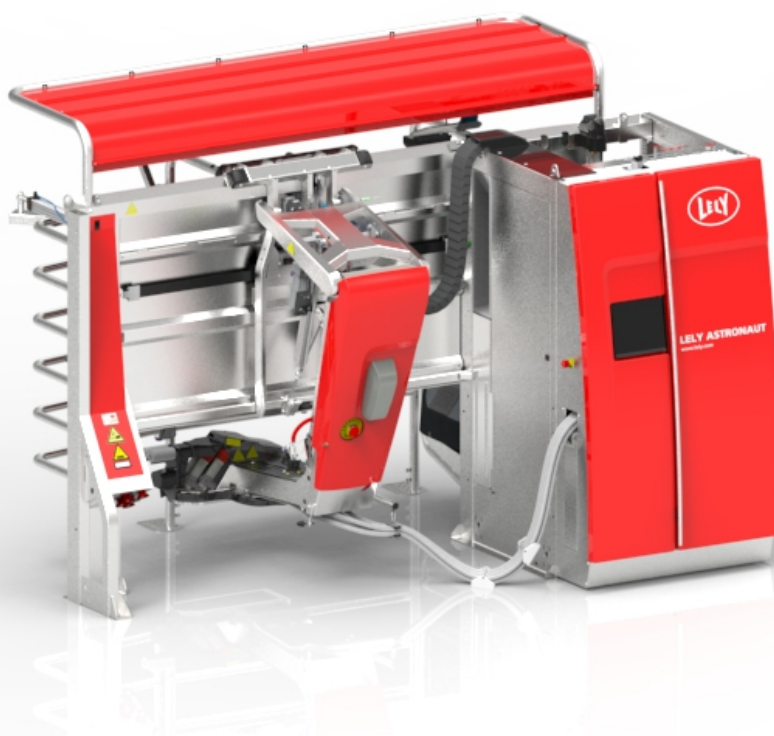


Lely Astronaut A5

Robot Arm



Parts list

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English Original





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Preface

Applicability

Type number:	As from serial number:
5.1X05.00XX-X	0003242094

Spare Parts

When ordering spare parts it is important that you are aware of the type and serial number of your machine. Use only genuine LELY parts.

Criticality

Criticality = Bulk, 0, 1, 2

- Bulk = Bulk item.
- 0 = Not critical.
- 1 = Not very critical.
- 2 = Critical.

Explanation of Signs Used in the Parts List

[R] / [RH]	By RH or LH version the position of the part is meant, seen from the rear of the machine.
[L] / [LH]	
[~]	E.g.: LH version is not similar to the RH version, which is actually shown.
[#]	Not available separately.



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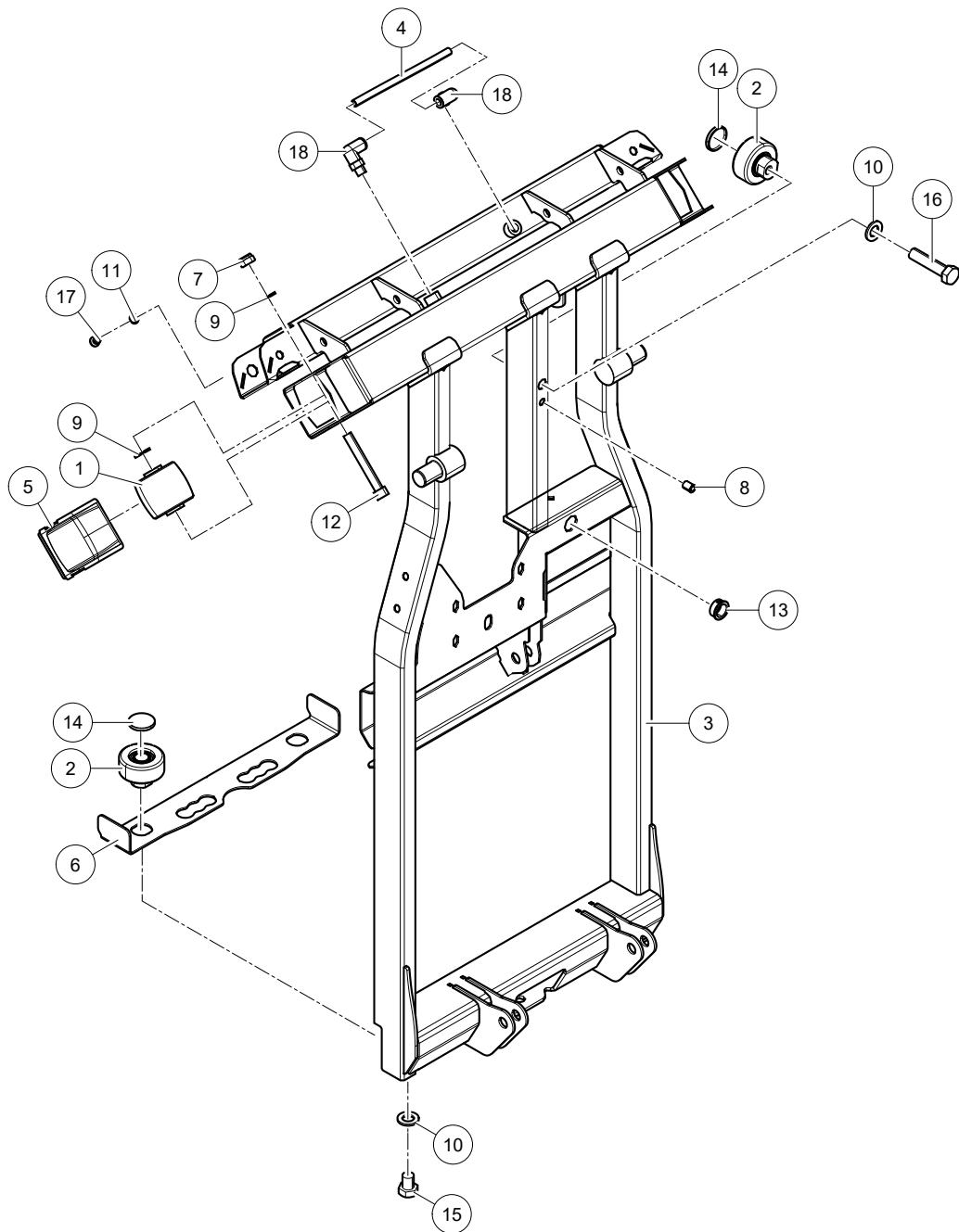
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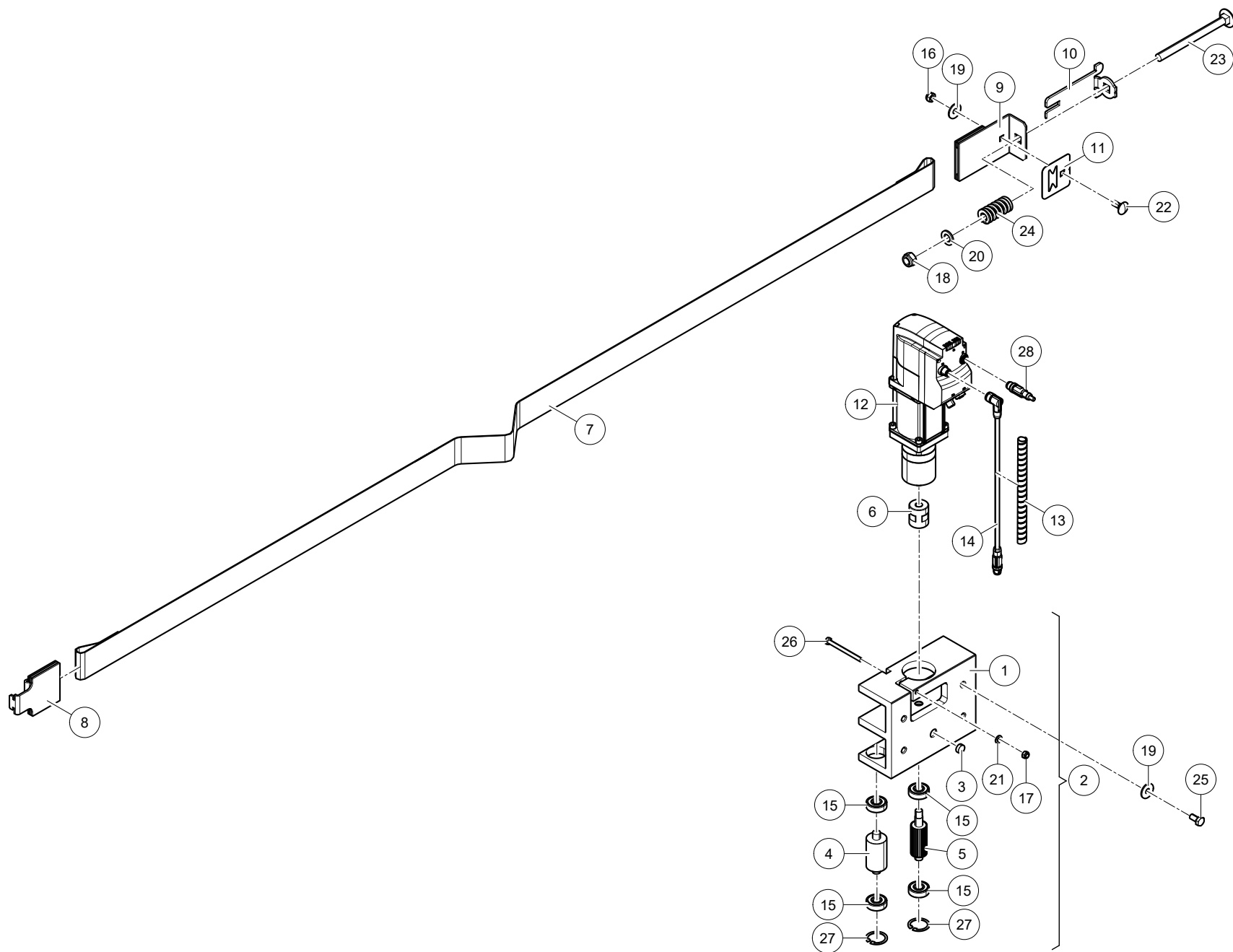
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.1650.0	4	Wheel assembly			
2	5.1003.1660.0	4	Wheel assembly			
3	#####	1	Not separately			
4	#####	1	Not separately			
5	5.1005.1988.0	4	Cover			
6	5.1005.2485.0	1	Plate			
7	9.1030.0023.0	4	Nut	M12 DIN985-A2-2 s/s		
8	9.1036.0080.0	1	Nut	M8 AISI302		
9	9.1048.0080.4	8	Washer	A13 DIN125-A2 s/s		
10	9.1048.0085.2	4	Washer	A17 DIN125-A2 s/s		
11	9.1049.0042.0	1	Sealing ring			
12	9.1057.0154.6	4	S.h. bolt	M6x30 DIN912-A2 s/s		
13	9.1108.0183.0	1	Ring			
14	9.1108.0205.0	4	Cap			
15	9.1113.0514.2	3	Bolt	M16x20 DIN933-A2 s/s		
16	9.1113.0515.3	1	Bolt	M16x70 DIN931-A2 s/s		
17	9.1131.0019.0	1	Plug			
18	9.1138.0176.5	2	Plug-in coupling	1/4"x10mm (└)		





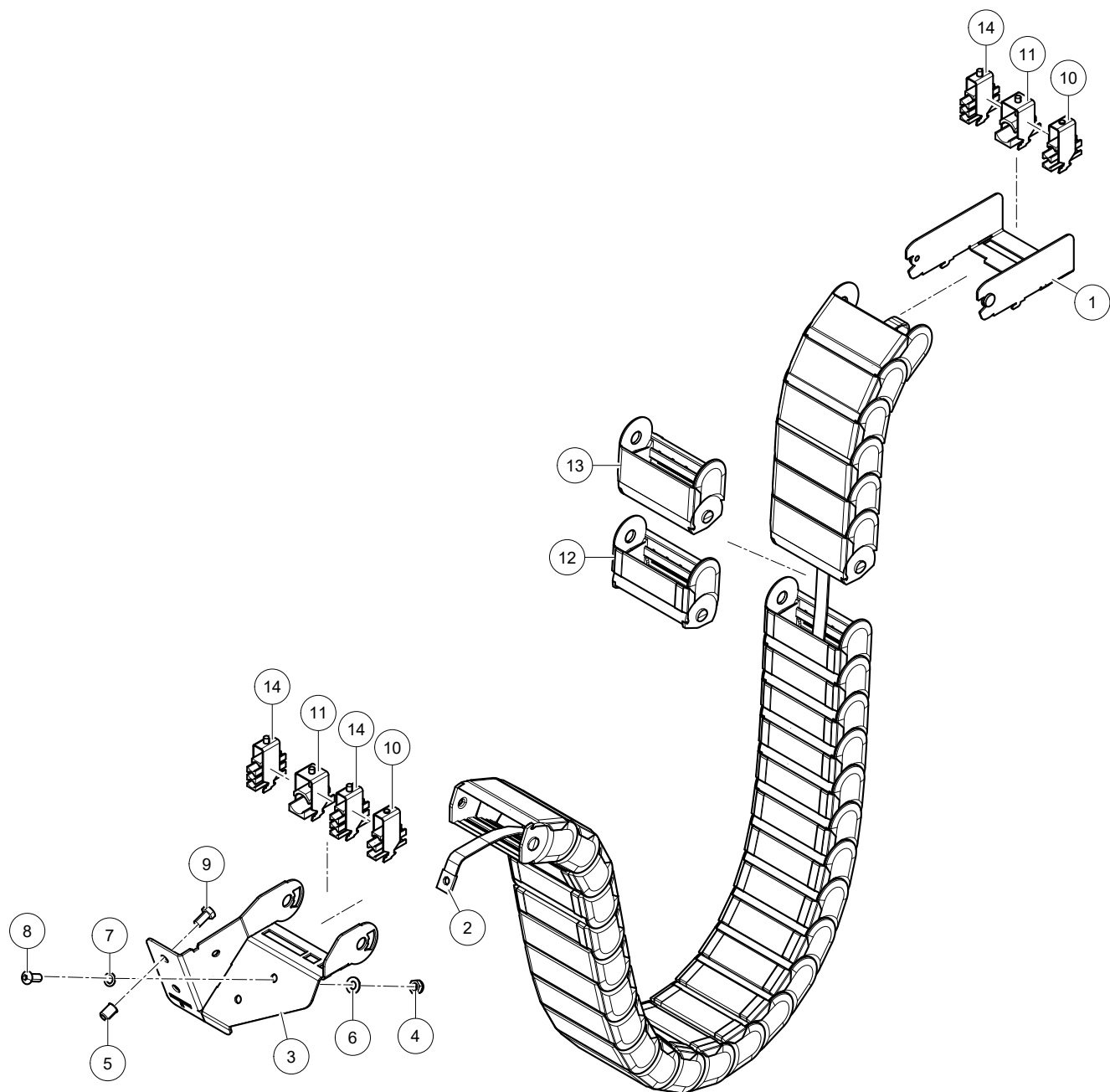
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	5.1004.0580.0	1	Y-drive sub			
3	#####	1	Not separately			
4	5.1004.1313.0	2	Roll			
5	5.1004.1314.0	1	Gear			
6	5.1004.1315.0	1	Coupling			
7	5.1004.1319.0	1	Y belt	8x35 A2-70 s/s ISO7380		
8	5.1004.1320.0	1	Bracket	FESTO NO. 752486		
9	5.1004.1321.0	1	Bracket			
10	#####	1	Not separately			
11	5.1005.3054.0	1	Plate			
12	5.1005.3691.0	1	Motor	Y-DRIVE MOTOR		
13	9.1186.0822.0	1	Spiral	PSA Black ID=16mm		
14	6.2001.1020.0	1	Cable	SAC-5P-MS-FR SCO BUS		
15	9.1001.0118.5	6	Ball bearing	SS6201-2RS		
16	9.1030.0020.4	1	Nut	M8 DIN985-A2-2 s/s		
17	9.1030.0021.5	1	Nut	M6 DIN985-A2-2 s/s		
18	9.1030.0023.0	1	Nut	M12 DIN985-A2-2 s/s		
19	9.1048.0052.4	5	Washer	A8.4 DIN9021-A2 s/s		
20	9.1048.0080.4	1	Washer	A13 DIN125-A2 s/s		
21	9.1048.0090.0	1	Washer	A6.4 DIN125-A2 s/s		
22	9.1058.0032.2	1	Coach bolt	M8x20 DIN603 s/s		
23	9.1058.0132.0	1	Carriage bolt	M12x150 DIN603-A2-2 S/S		
24	9.1090.0051.3	1	Spring			
25	9.1113.0290.2	4	Bolt	M8x16 DIN933-A2-2 s/s		
26	9.1113.0313.3	1	Bolt	M6x70 DIN931-A2-2 s/s		
27	9.1120.0047.4	3	Locking ring	H32x1.20 DIN472-A2 s/s		
28	9.1186.1094.0	1	Resistor			

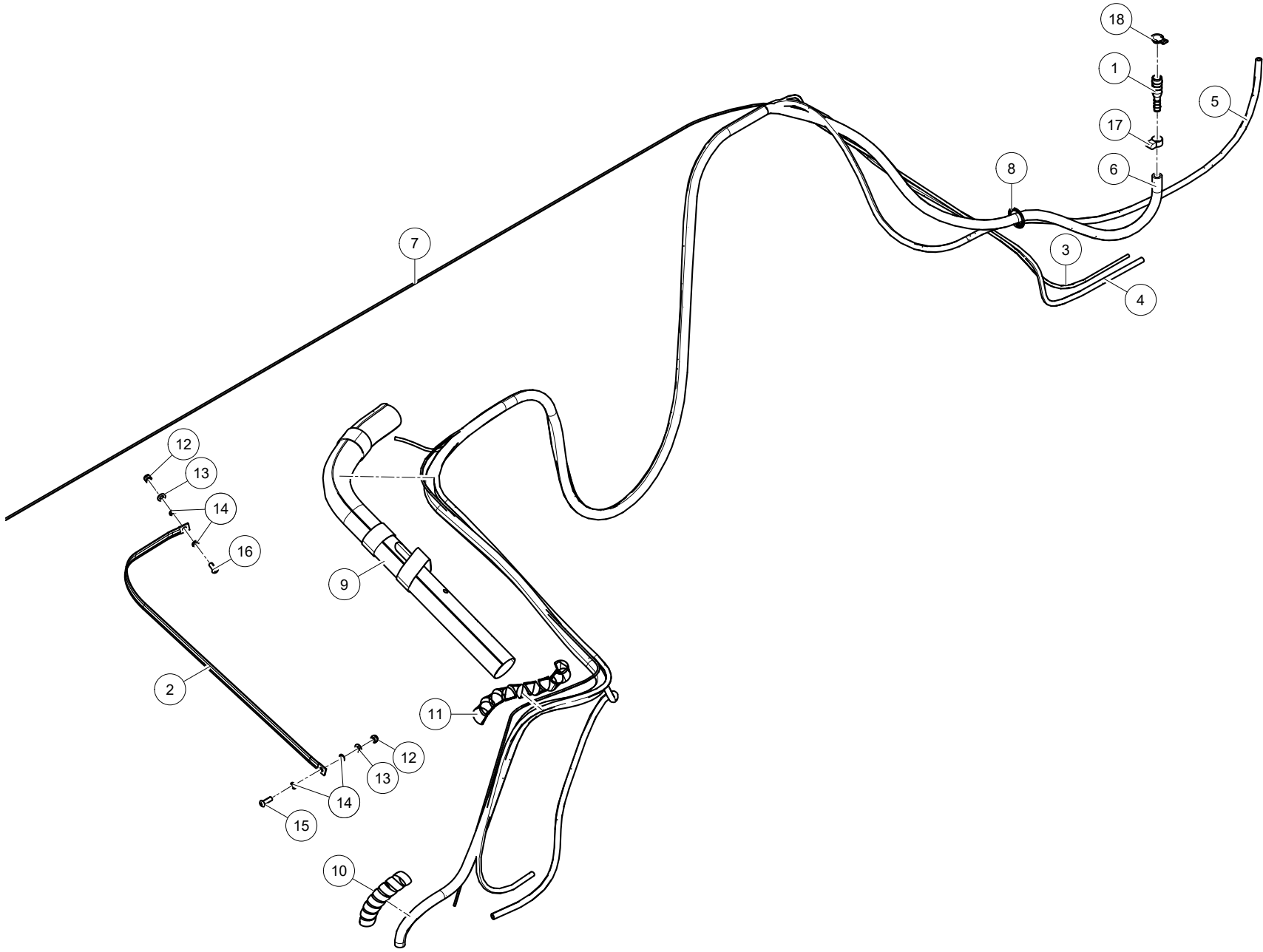


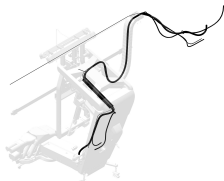


Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.2394.0	1	Bracket			
2	5.1005.2516.0	1	Element			
3	5.1005.3018.0	[R] 1	Bracket			
	#####	[L] ~	Not separately			
4	9.1030.0020.4	2	Nut	M8 DIN985-A2-2 s/s		
5	9.1036.0080.0	2	Nut	M8 AISI302		
6	9.1048.0050.2	2	Washer	A8.4 DIN125-A2 s/s		
7	9.1051.0007.5	3	Serr.lock washer	A8.2 DIN6798 s/s		
8	9.1057.0439.0	2	Screw	M8x20 ISO7380-A2-70 s/s		
9	9.1113.0290.2	2	Bolt	M8x16 DIN933-A2-2 s/s		
10	9.1186.1015.0	2	Clamp			
11	9.1186.1016.0	2	Clamp			
12	9.1186.1017.0	20	Link			
13	9.1186.1065.0	12	Link			
14	#####	6	Not separately			



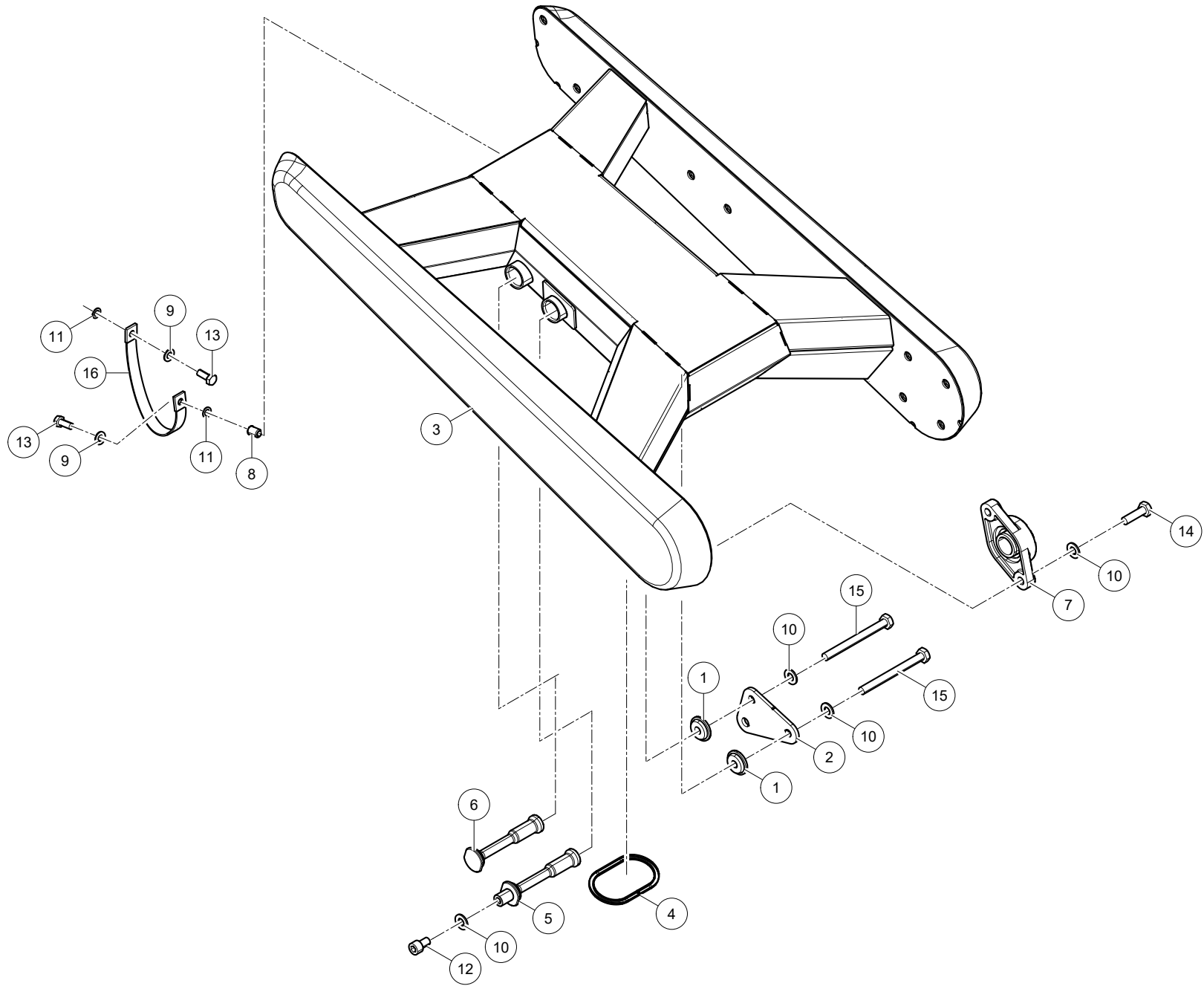




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.7398.0	1	Reducer	19-12mm cast		
2	5.1005.2517.0	1	Grounding strip			
3	9.1138.0064.5	1	Tube	6mm PA BLUE		
4	9.1138.0153.3	1	Tube	PUN-H 10mm Blue L=4720mm		
5	9.1065.0061.3	1	Hose	MULTIBAR ID 6MM X WT3MM L=5100mm		
6	9.1185.0065.6	1	Hose	SILIPRESS RED 12.5 X WD 4		
7	9.1138.0075.2	1	Tube	PUN-H Blue 4mm L= 5000 mm		
8	5.1005.3675.0	1	Decal			
9	5.1005.5849.0	1	Sleeve	CABLE PROTECTOR		
10	9.1073.0032.1	1	Protector	25.4x30 mm GENERIC PLASTIC BLACK		
11	9.1186.0499.5	1	Spiral hose	17.6x20 mm TRANSPARENT		
12	9.1030.0020.4	2	Nut	M8 DIN985-A2-2 s/s		
13	9.1048.0050.2	2	Washer	A8.4 DIN125-A2 s/s		
14	9.1051.0007.5	4	Serr. lock washer	A8.2 DIN6798 s/s		
15	9.1057.0405.5	1	Button head screw	M8x25 ISO7380-1-A2-70		
16	9.1057.0439.0	1	Screw	M8x20 ISO7380-A2-70 s/s		
17	9.1066.0022.5	1	Hose clamp	ø11-ø17 s/s		
18	#####	1	Not separately			



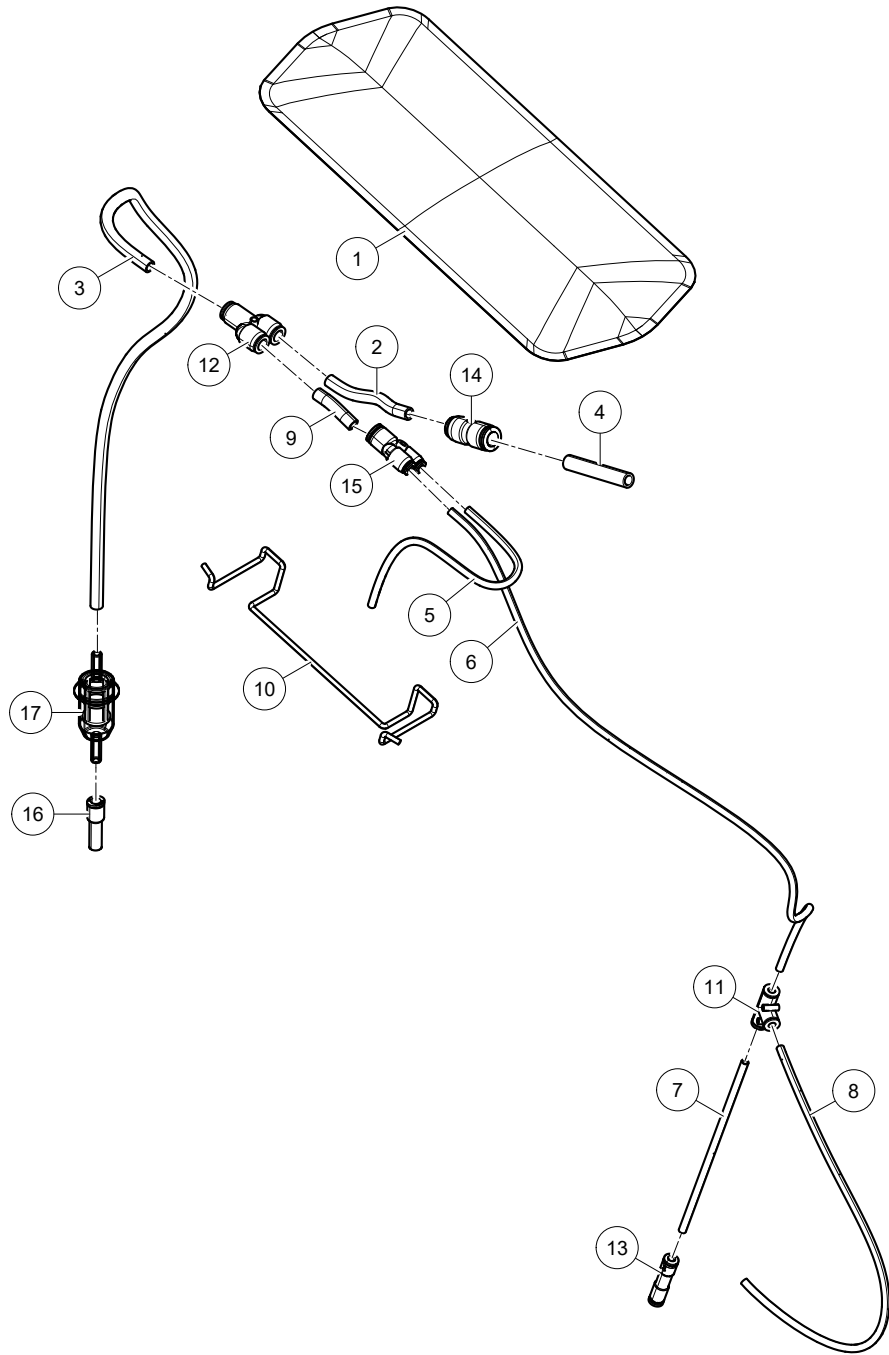




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.1452.0	2	Ring			
2	5.1005.1910.0	1	Plate			
3	5.1005.2039.0	1	Arm			
4	9.1073.0058.6	1	Profile	PE 2mm L= 245		
5	5.1005.3354.0	1	Rod	BA mkVI Z-act pivot		
6	5.1005.3355.0	1	Rod	BA Balancing		
7	9.1008.0063.0	4	Bearing block	SSUCFL205-HB		
8	9.1036.0080.0	1	Nut	M8 AISI302		
9	9.1048.0050.2	2	Washer	A8.4 DIN125-A2 s/s		
10	9.1048.0051.3	11	Washer	A10.5 DIN125-A2 s/s		
11	9.1051.0007.5	2	Serr. lock washer	A8.2 DIN6798 s/s		
12	9.1057.0259.0	1	Socket head screw	M10 x 16 DIN912-A2-70 S/S		
13	9.1113.0174.5	2	Bolt	M8x20 DIN933-A2-2 s/s		
14	9.1113.0319.2	8	Bolt	M10x35 DIN933-A2-2 s/s		
15	9.1113.0521.2	2	Bolt	M10x110 DIN931-A2-2 s/s		
16	9.1186.0996.0	1	Ground strip			



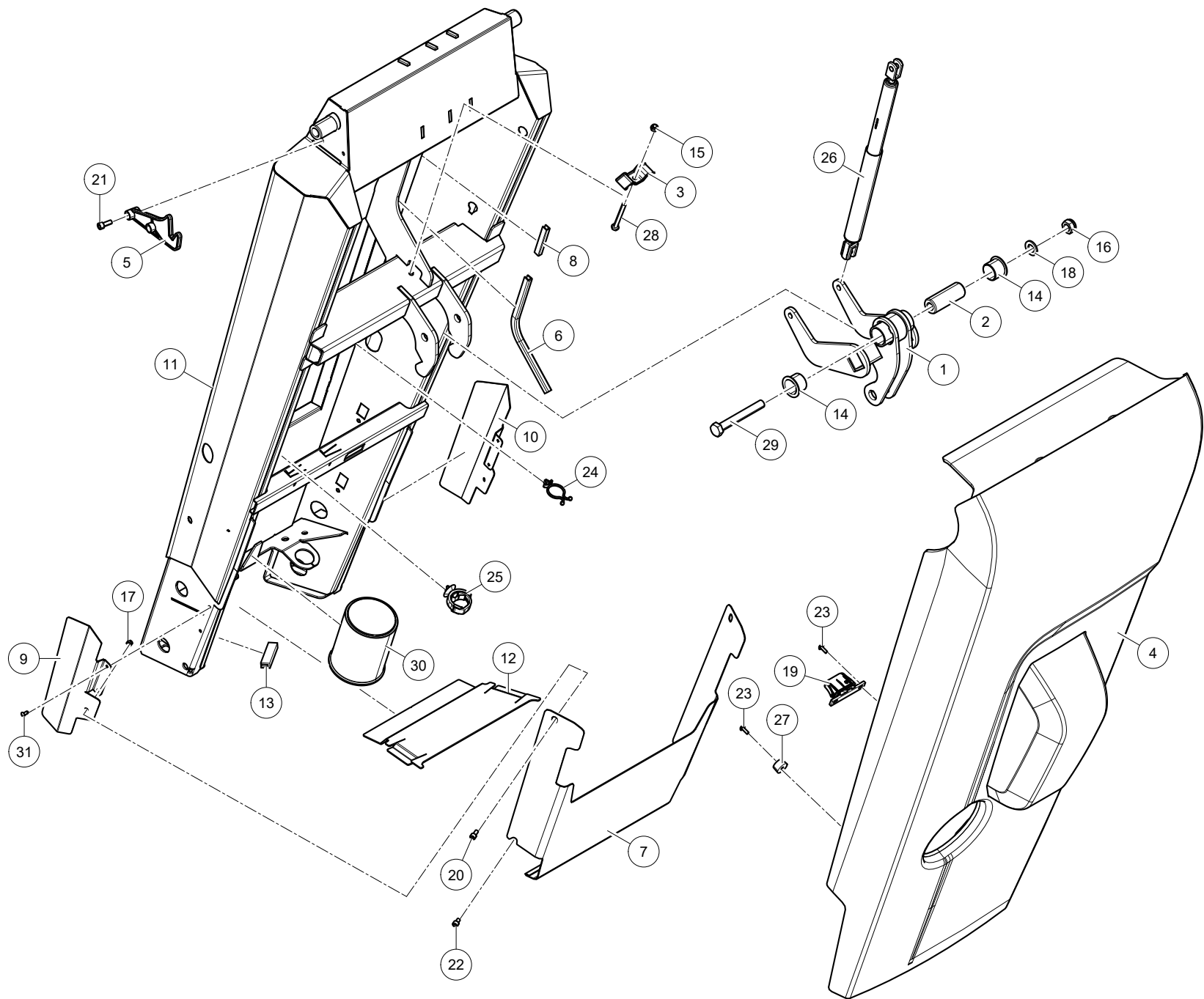




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.1896.0	1	Tarpaulin			
2	#####	1	Not separately			
3	#####	1	Not separately			
4	9.1138.0155.5	1	Tube	PUN-H 12x2 Blue L = 70mm		
5	#####	1	Not separately			
6	#####	1	Not separately			
7	#####	1	Not separately			
8	#####	1	Not separately			
9	#####	1	Not separately			
10	5.1005.5848.0	1	Bracket			
11	9.1138.0053.1	1	Plug-in coupling	6-6-6mm (T)		
12	9.1138.0165.1	1	Plug-in coupling	10-10-10mm (Y)		
13	9.1138.0398.0	1	Non-return valve			
14	9.1138.1116.0	1	Coupling	QS-12-10 straight		
15	9.1138.1130.0	1	Coupling	QSY-10-6		
16	9.1138.1294.0	1	Fitting	Reducer		
17	9.1189.0213.0	1	Filter			







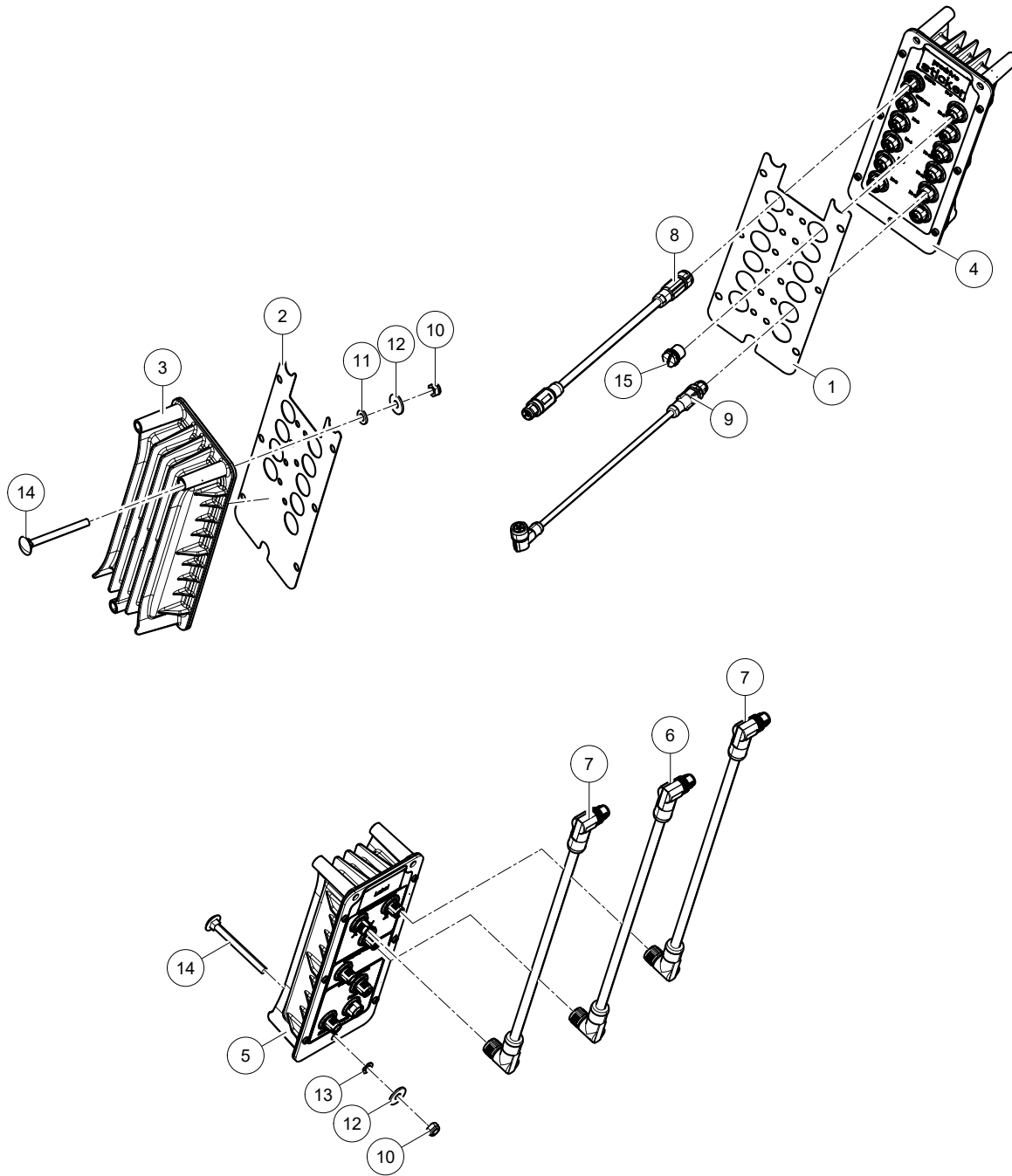
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	#####	1	Not separately			
3	5.1005.2386.0	1	Clamping bracket			
4	5.1005.2404.0	1	Cover			
5	5.1005.2437.0	2	Hook			
6	9.1073.0023.6	1	Profile	L= 220		
7	5.1005.3277.0	1	Cover			
8	9.1073.0023.6	1	Profile	U-PROFILE L= 60		
9	5.1005.3445.0	1	Cover			
10	5.1005.3446.0	1	Cover			
11	#####	1	Not separately			
12	5.1005.3681.0	1	Plate	MQC-2 protection		
13	9.1073.0080.0	1	Profile	EDGE 1mm BLACK L=0.060m		
14	9.1022.0116.0	2	Bearing	GFM-2528-21		
15	9.1030.0021.5	1	Nut	M6 DIN985-A2-2 s/s		
16	9.1030.0023.0	1	Nut	M12 DIN985-A2-2 s/s		
17	9.1030.0035.5	2	Nut	M5 DIN985-A2-2 s/s		
18	9.1048.0080.4	1	Washer	A13 DIN125-A2 s/s		
19	9.1056.0021.0	1	Unit			
20	9.1057.0053.3	2	S.h. bolt	M5x10 DIN912 s/s		
21	9.1057.0060.3	4	S.h. bolt	M6x16 DIN912-A2 s/s		
22	9.1057.0147.6	2	S.h. bolt	M5x8 DIN912 s/s		
23	9.1064.0125.5	4	Screw	4.0x12 A2 s/s		
24	#####	2	Not separately			
25	9.1073.0170.0	2	Clamp	151-00370 AHC3BHR		
26	9.1090.0512.0	2	Gas Strud			
27	9.1108.0199.0	2	Spacer	Screw-on foot 11.9x8 mm, 51607		
28	9.1113.0236.4	1	Bolt	M6x55 DIN931-A2-2 s/s		
29	#####	1	Not separately	M12x95 DIN931-A2 s/s		
30	9.1138.0131.2	1	Filter			
31	9.1152.0007.2	4	Blind rivet	4.0x8 s/s		





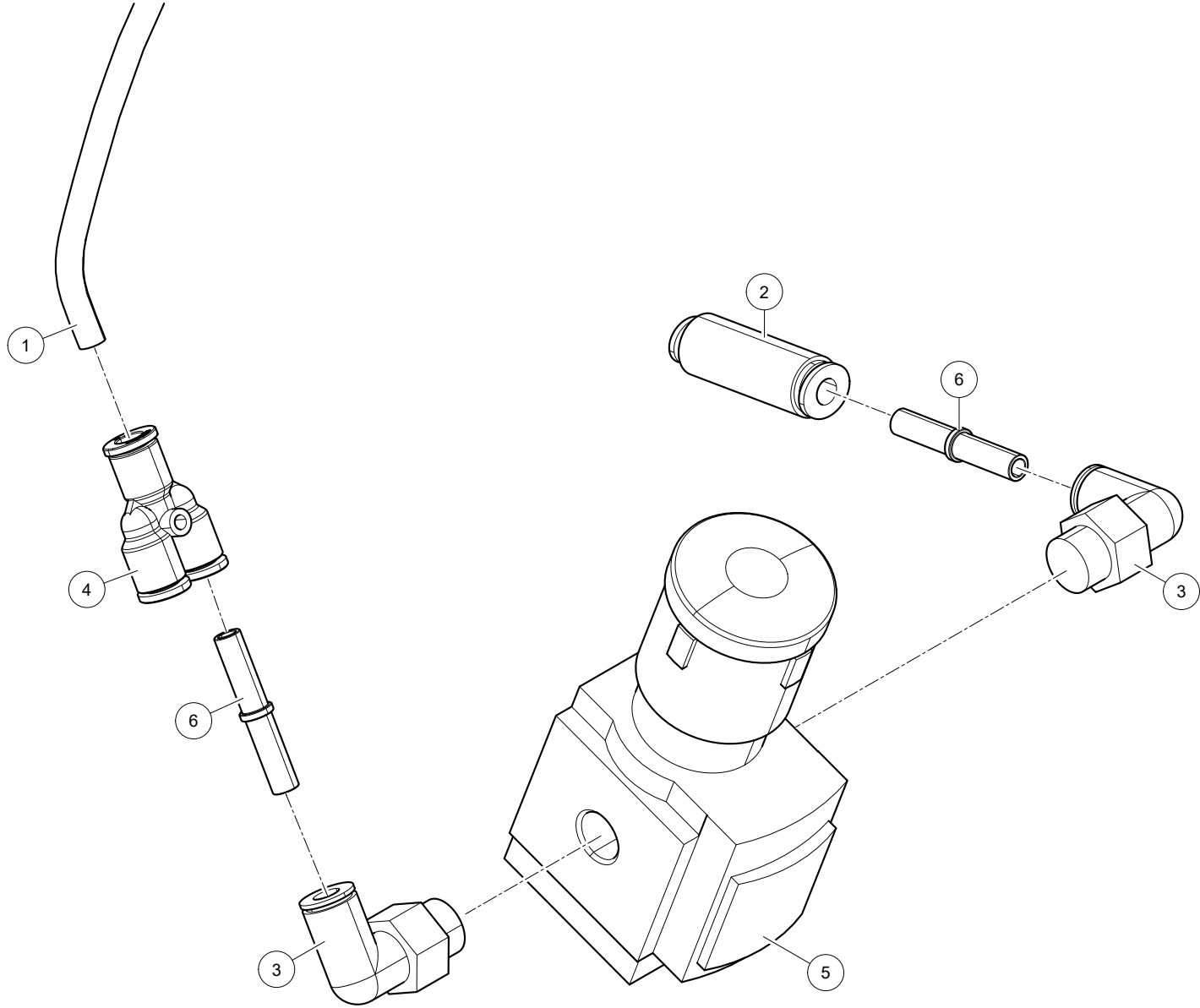
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.3052.0	1	Label			
2	5.1005.5558.0	1	Label	ACB		
3	6.2001.0211.0	1	Module	GCB-T4 General control		
4	6.2001.0275.0	1	Module	LPT1 - LOW POWER GIOB		
5	6.2001.0284.0	1	Brake resistor box			
6	6.2001.1022.0	1	Cable	SAC-4P-MRT/1.4-PUR/FRT SCO		
7	6.2001.1028.0	2	Cable	SAC-4P-MRT/1.1-PUR/FRT SCO		
8	6.2001.1050.0	1	Cable	SAC-5P-MS/0.5-920/FS SCO		
9	6.2001.1052.0	1	Cable	SAC-5P-MS/0.6-PUR/FR SCO		
10	9.1030.0021.5	9	Nut	M6 DIN985-A2-2 s/s		
11	9.1048.0090.0	8	Washer	A6.4 DIN125-A2 s/s		
12	9.1048.0095.5	9	Washer	A6.4 DIN9021-A2 s/s		
13	9.1051.0006.4	1	Serr. lock washer	A6.4 DIN6798 s/s		
14	9.1058.0059.1	9	Coach bolt	M6x65 DIN603-A2 s/s		
15	9.1186.1059.0	11	Plug	M12 screw plug SPEEDCON		

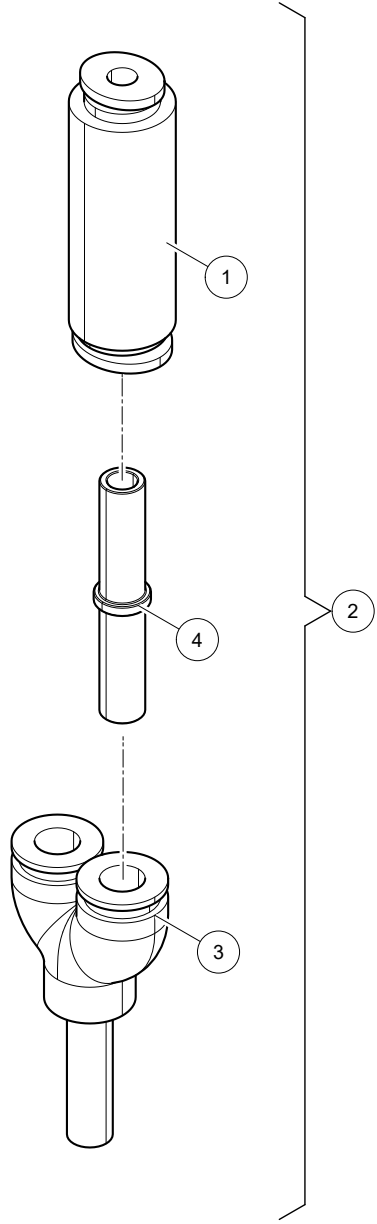




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	9.1138.0064.5	1	Tube	PA12 6mm L = 320mm		
2	#####	1	Not separately			
3	9.1138.0017.0	2	Plug-in coupling	1/4"x6mm (L)		
4	9.1138.0099.5	1	Plug-in coupling	6-6-6mm (Y)		
5	9.1138.0159.2	1	Pressure reducer			
6	#####	2	Not separately			



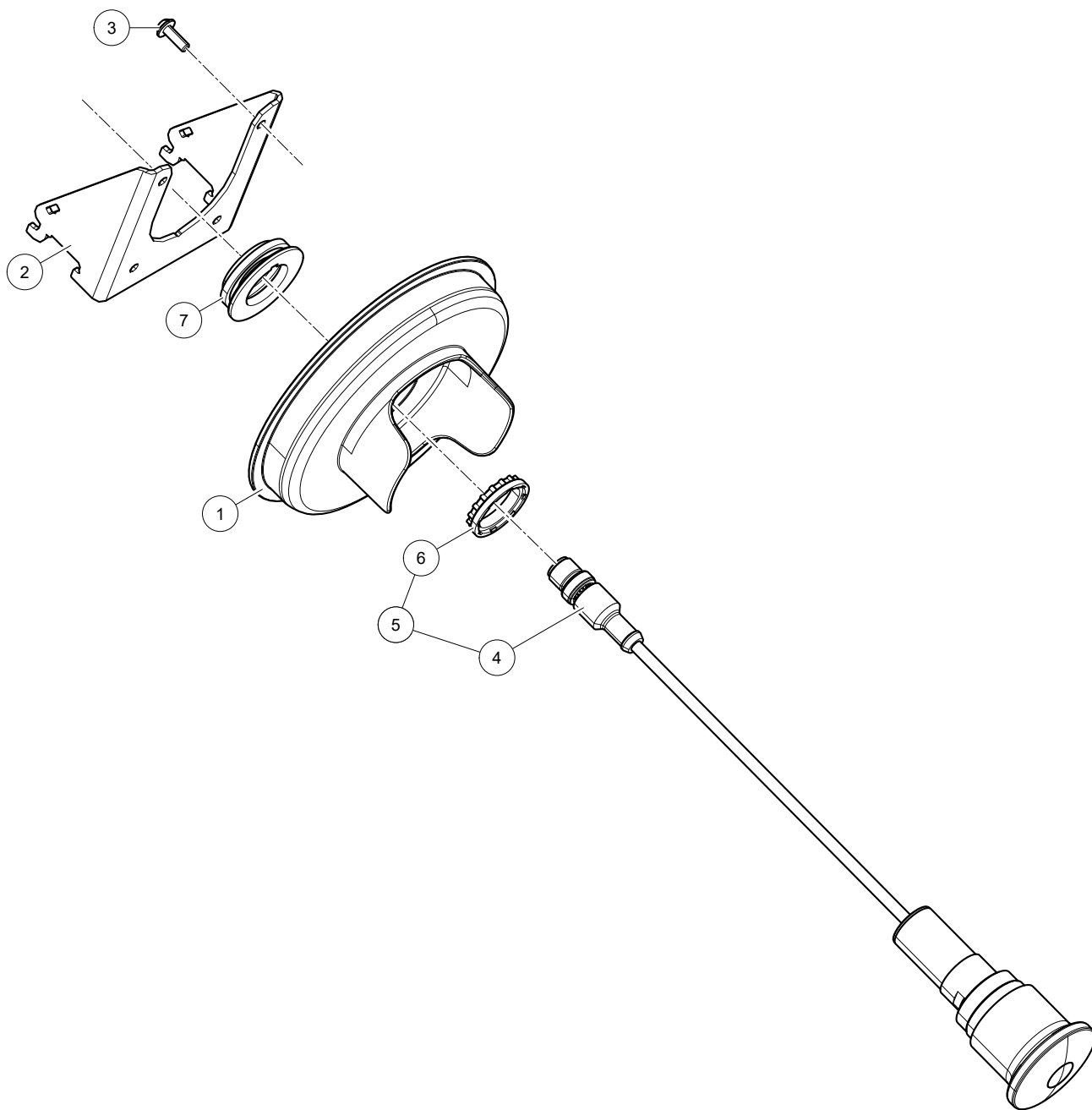


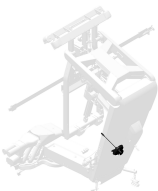


Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	5.1005.3950.0	1	Reducer	FLOW RESTRICTION KIT		
3	#####	1	Not separately	6-6-6mm (Y)		
4	#####	1	Not separately			



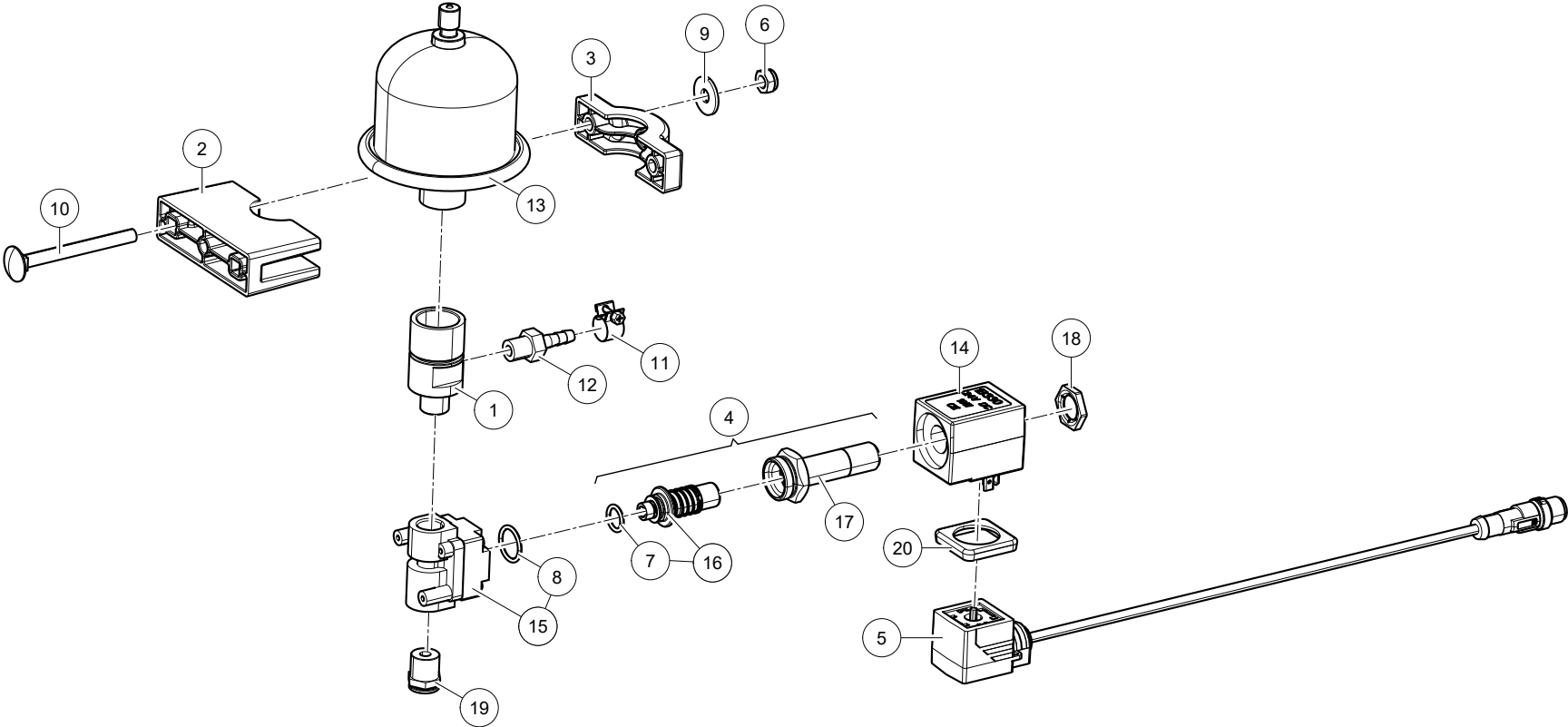


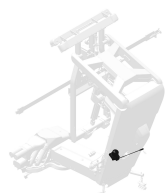


Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.1295.0	1	Cap			
2	5.1005.1588.0	1	Plate			
3	9.1064.0125.5	4	Screw	4.0x12 A2 s/s		
4	#####	1	Not separately			
5	9.1185.1152.0	1	Button	Emergency Stop with 22mm nut		
6	9.1185.1154.0	1	Nut	Emergency Stop Fixation 22mm		
7	9.1185.1155.0	1	Spacer	Emergency Stop 30mm Hole		







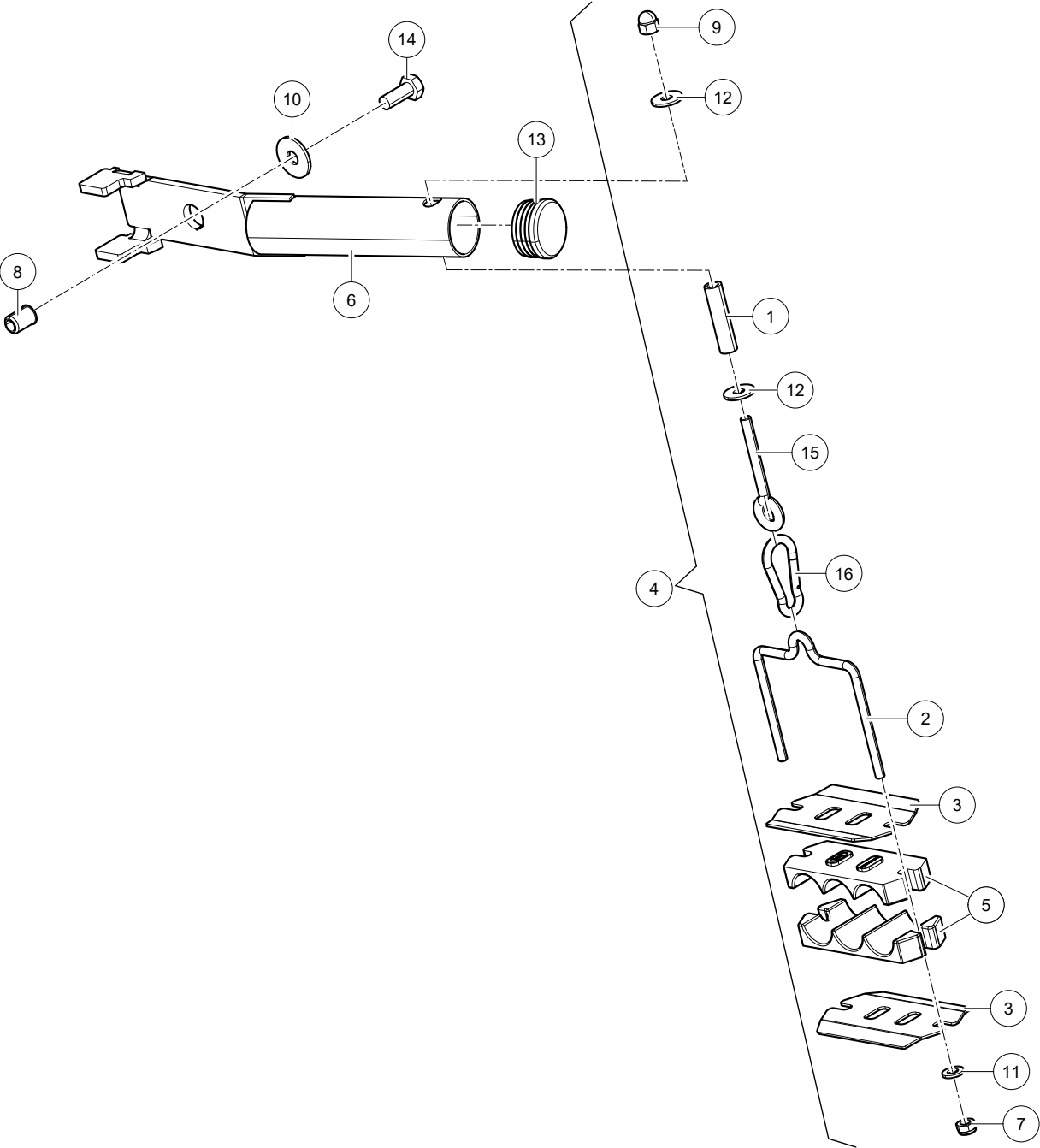
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.0393.0	1	Fitting			
2	5.1005.3294.0	1	Holder			
3	5.1005.3295.0	1	Clamp			
4	5.1005.5288.0	1	Valve			
5	6.2001.1036.0	1	Connector with cable	SAC-3P-MS/1.0-PUR/A-1L-Z		
6	9.1030.0021.5	2	Nut	M6 DIN985-A2-2 s/s		
7	9.1043.0142.1	1	O-ring	9.52x 1.78 Viton		
8	9.1043.0191.0	1	O-ring	14x1.78 Viton		
9	9.1048.0095.5	2	Washer	A6.4 DIN9021-A2 s/s		
10	9.1058.0059.1	2	Coach bolt	M6x65 DIN603-A2 s/s		
11	9.1066.0054.2	1	Hose clamp	ø10.5-ø12.0		
12	9.1129.0052.0	1	Tailpiece			
13	9.1137.0871.0	1	Accumulator			
14	9.1138.0810.0	1	Coil			
15	9.1138.0836.5	1	Valve housing			
16	9.1138.0837.6	1	Valve			
17	#####	1	Not separately			
18	9.1138.0839.1	1	Nut			
19	9.1138.0875.2	1	Adapter coupling	1/4"x4 s/s		
20	9.1138.1220.0	1	Gasket	Solenoid Connector DIN 43650 Type A		





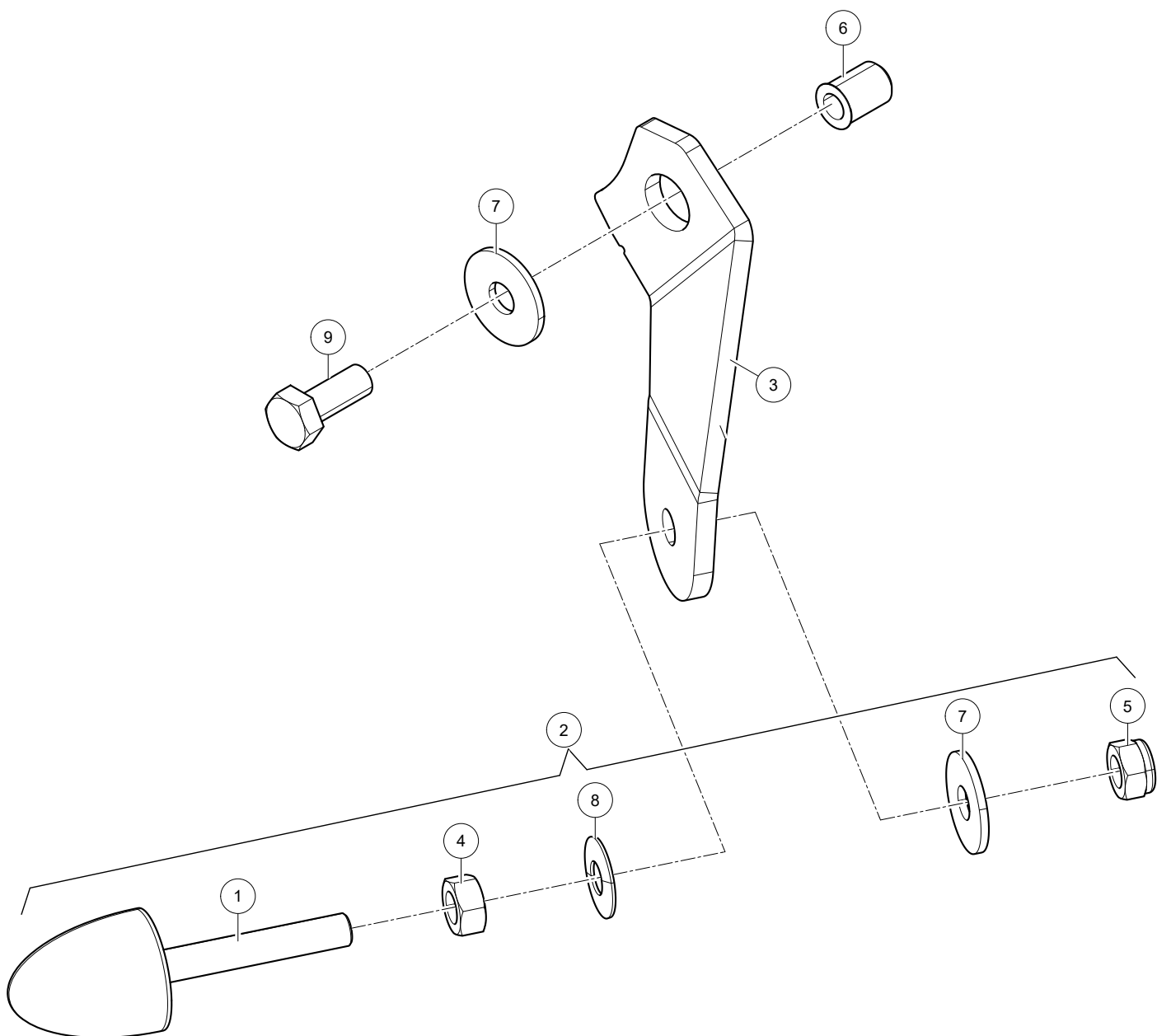
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.2637.0	1	Bushing			
2	5.1004.2638.0	1	Bushing			
3	5.1004.2639.0	2	Plate			
4	5.1004.2641.0	1	Bracket ass.			
5	5.1004.2648.0	2	Fixation block			
6	5.1005.3202.0	1	Bracket weld.			
7	9.1030.0021.5	2	Nut	M6 DIN985-A2-2 s/s		
8	9.1036.0080.0	1	Nut	M8 AISI302		
9	9.1036.0089.0	1	Cap nut			
10	9.1048.0052.4	1	Washer	A8.4 DIN9021-A2 s/s		
11	9.1048.0090.0	2	Washer	A6.4 DIN125-A2 s/s		
12	9.1048.0095.5	2	Washer	A6.4 DIN9021-A2 s/s		
13	9.1108.0127.6	1	Locking cap			
14	9.1113.0174.5	1	Bolt	M8x20 DIN933-A2-2 s/s		
15	9.1114.0048.0	1	Eye bolt	M6x50x10 A2 s/s		
16	9.1147.0012.5	1	Hook	50x5 s/s A4		

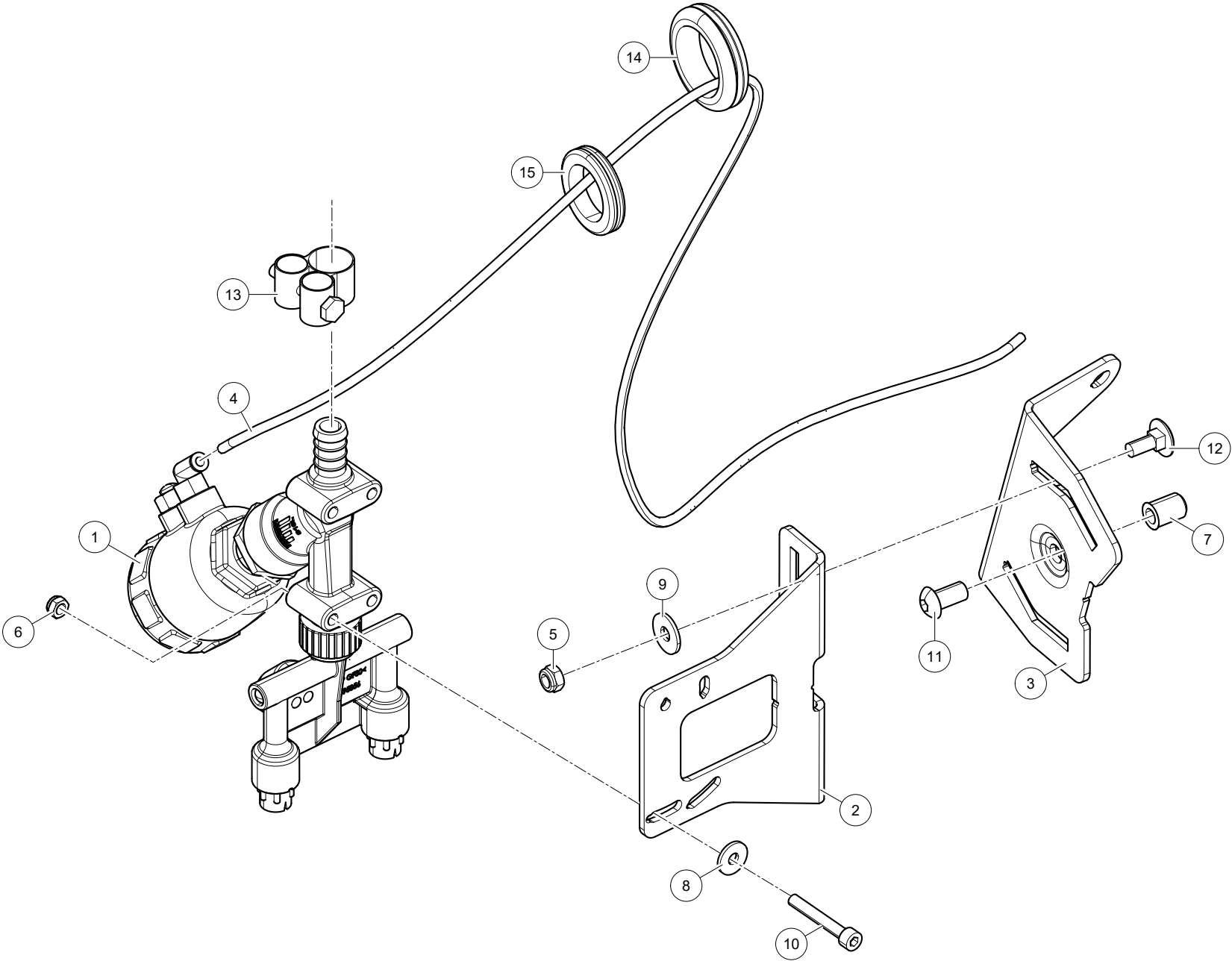


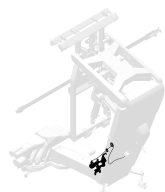


Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.6828.0	1	Shock absorber			
2	5.1004.6951.0	1	Buffer			
3	5.1005.3167.0	[R] 1	Plate	Bumper bracket		
	5.1105.3167.0	[L] ~	Plate			
4	9.1029.0029.0	1	Nut	M8 DIN934-A2-2 s/s		
5	9.1030.0020.4	1	Nut	M8 DIN985-A2-2 s/s		
6	9.1036.0080.0	1	Nut	M8 AISI302		
7	9.1048.0052.4	2	Washer	A8.4 DIN9021-A2 s/s		
8	9.1091.0015.0	1	Cup spring	20x8.2x0.8 A2 s/s		
9	9.1113.0174.5	1	Bolt	M8x20 DIN933-A2-2 s/s		







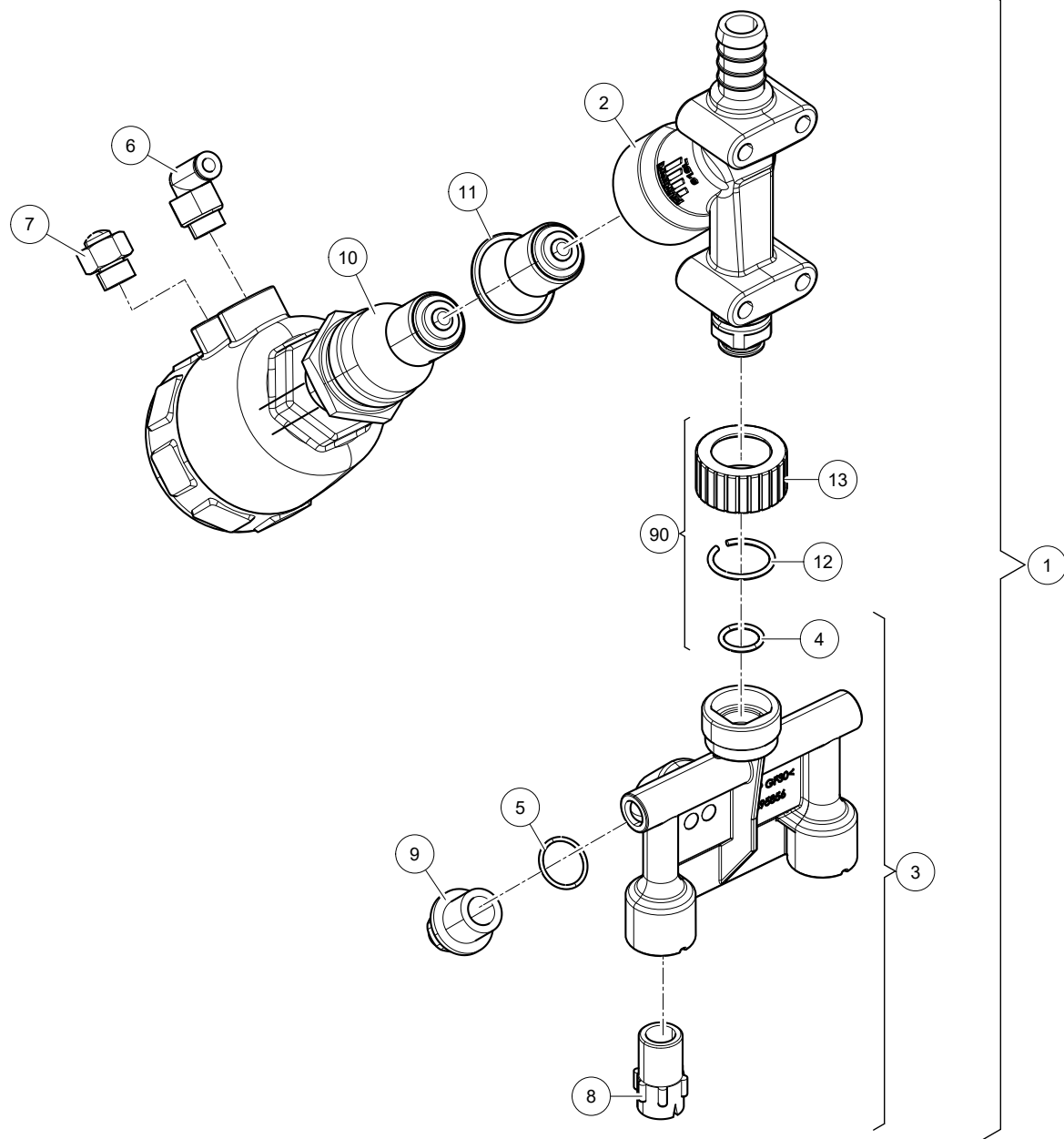
Lely Astronaut A5

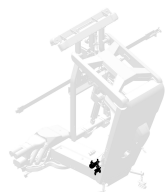
Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.6884.0	1	Sprayer			(see page 38)
2	5.1005.3199.0	1	Plate			
3	5.1005.3200.0	1	Plate			
4	9.1138.0062.3	1	Tube	BLACK PA 4mm L=1200		
5	9.1030.0021.5	2	Nut	M6 DIN985-A2-2 s/s		
6	9.1030.0035.5	4	Nut	M5 DIN985-A2-2 s/s		
7	9.1036.0080.0	3	Nut	M8 AISI302		
8	9.1048.0093.3	4	Washer	A5.3 DIN9021-A2 s/s		
9	9.1048.0095.5	2	Washer	A6.4 DIN9021-A2 s/s		
10	9.1057.0151.3	4	S.h. bolt	M5x35 DIN912-A2 s/s		
11	9.1057.0455.0	3	Screw	M8x16 A2-70 s/s		
12	9.1058.0039.2	2	Coach bolt	M6x16 DIN603 s/s		
13	9.1066.0138.0	1	Hose clamp			
14	9.1085.0015.0	1	Feed through collar	32/46/38/3		
15	9.1085.0018.0	1	Feed through collar	25.5x1.6		





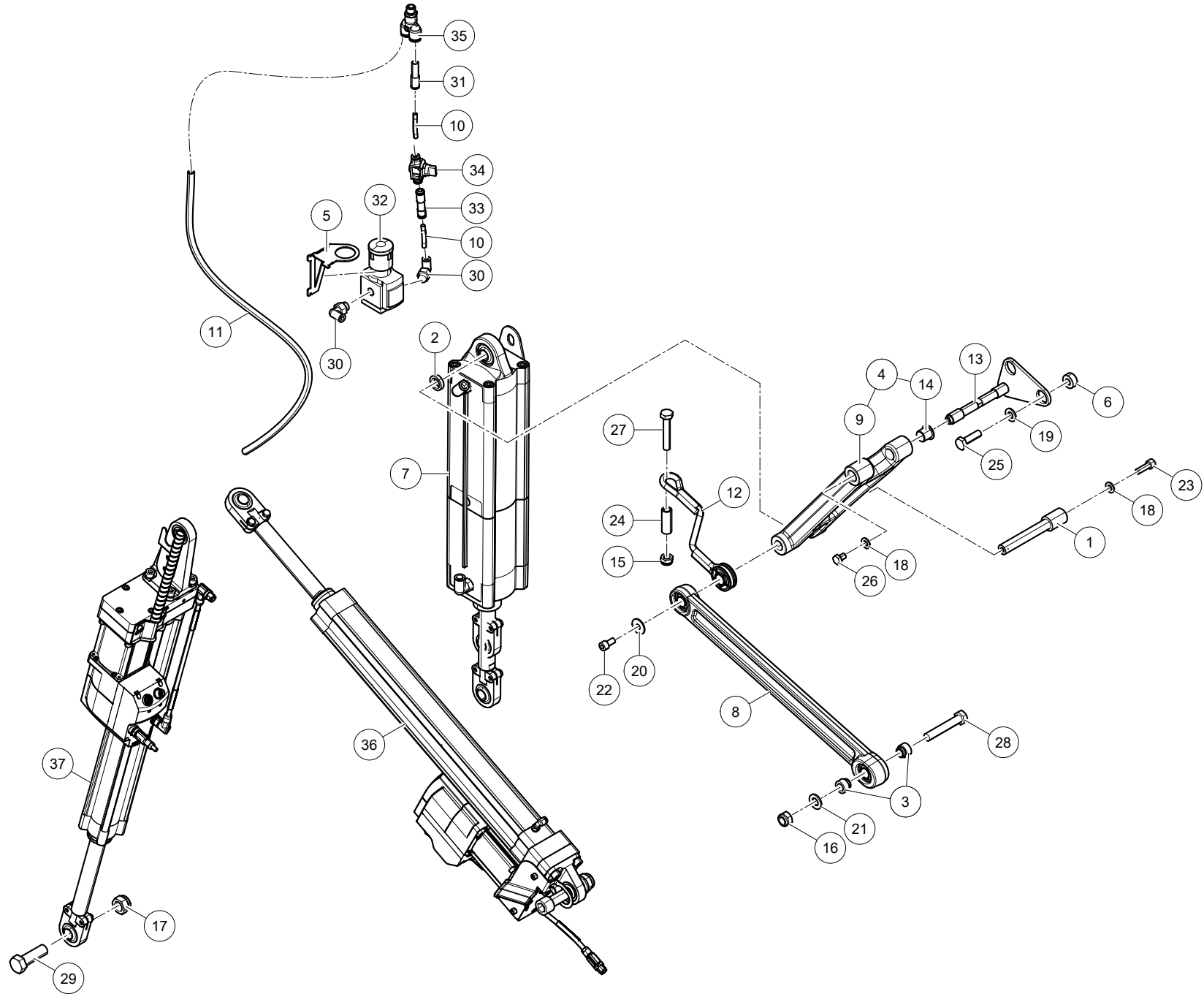
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.6884.0	1	Sprayer			
2	#####	1	Not separately			
3	5.1004.6893.0	1	Distributor			
4	9.1043.0287.0	1	O-ring	10x 1.5 FKM 70° shore		
5	#####	1	Not separately			
6	9.1138.1083.0	1	Push-pull nipple	MINI, G1/8"x 4 O-RING SEAL		
7	9.1138.1084.0	1	Filter	1/8" BSP Silencer (st.st), AISI 302		
8	9.1185.1050.0	2	Nozzle	1/4F-11020 white PP		
9	9.1185.1051.0	1	Nozzle	B1/4HH-KY3		
10	9.1189.0283.0	1	Actuator			
11	9.1189.0286.0	1	Plunger valve set	DN15 PTFE VA		
12	#####	1	Not separately			
13	#####	1	Not separately			
90	9.1189.0290.0	1	Nut	SPARE PART KIT BUERKERT 293248		





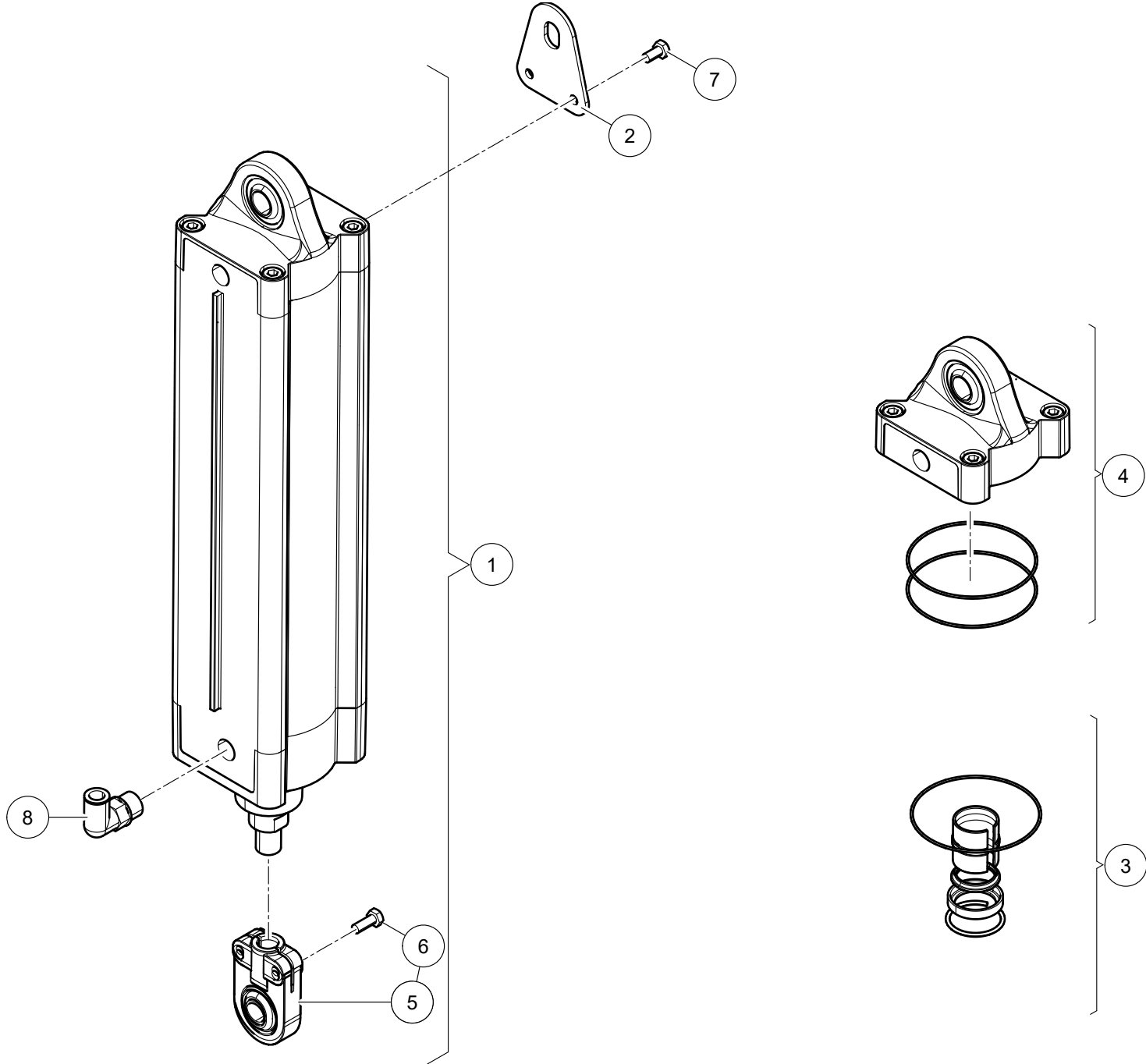
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.1021.0	1	Shaft			
2	5.1005.1022.0	1	Ring			
3	5.1005.1028.0	2	Tube			
4	#####	1	Not separately			
5	5.1005.1970.0	1	Plate			
6	5.1005.1989.0	2	Bushing			
7	#####	1	Not separately			(see page 42)
8	5.1005.2332.0	1	Module			
9	5.1005.2333.0	1	Module			
10	#####	2	Not separately			
11	#####	1	Not separately			
12	5.1005.3709.0	1	Rope	SAFETY ROPE		
13	5.1005.3745.0	1	Axis balancer			
14	9.1022.0137.0	2	Bearing			
15	9.1030.0022.6	1	Nut	M10 DIN985-A2-2 s/s		
16	9.1030.0023.0	1	Nut	M12 DIN985-A2-2 s/s		
17	9.1030.0034.4	3	Nut	M16 DIN985-A2-2 s/s		
18	9.1048.0050.2	2	Washer	A8.4 DIN125-A2 s/s		
19	9.1048.0051.3	2	Washer	A10.5 DIN125-A2 s/s		
20	9.1048.0052.4	1	Washer	A8.4 DIN9021-A2 s/s		
21	9.1048.0080.4	1	Washer	A13 DIN125-A2 s/s		
22	9.1057.0074.3	1	S.h. bolt	M8x16 DIN912-A2 s/s		
23	9.1057.0169.0	1	S.h. bolt	M8x25 DIN912-A2 s/s		
24	9.1073.0177.0	1	Spacer			
25	9.1113.0319.2	2	Bolt	M10x35 DIN933-A2-2 s/s		
26	9.1113.0320.3	1	Bolt	M8x12 DIN933-A2-2 s/s		
27	9.1113.0479.6	1	Bolt	M10x60 DIN931-A2-70 s/s		
28	9.1113.0540.0	1	Bolt	M12x70 DIN931 s/s		
29	9.1113.0560.0	3	Bolt	M16x50 DIN933-A2-2 s/s		
30	9.1138.0017.0	2	Plug-in coupling	1/4"x6mm (L_)		
31	9.1138.0166.2	1	Adapter ring	10-6mm		
32	9.1138.0345.5	1	Pressure reducer	1/4" MS4-LR- 1/4"-D6-AS		
33	9.1138.0398.0	1	Non-return valve	6-6-2024		
34	9.1138.0399.0	1	Valve			
35	9.1138.1086.0	1	Coupling	Y QSY-1/4-10		
36	#####	1	Not separately			(see page 46)
37	#####	1	Not separately			(see page 44)

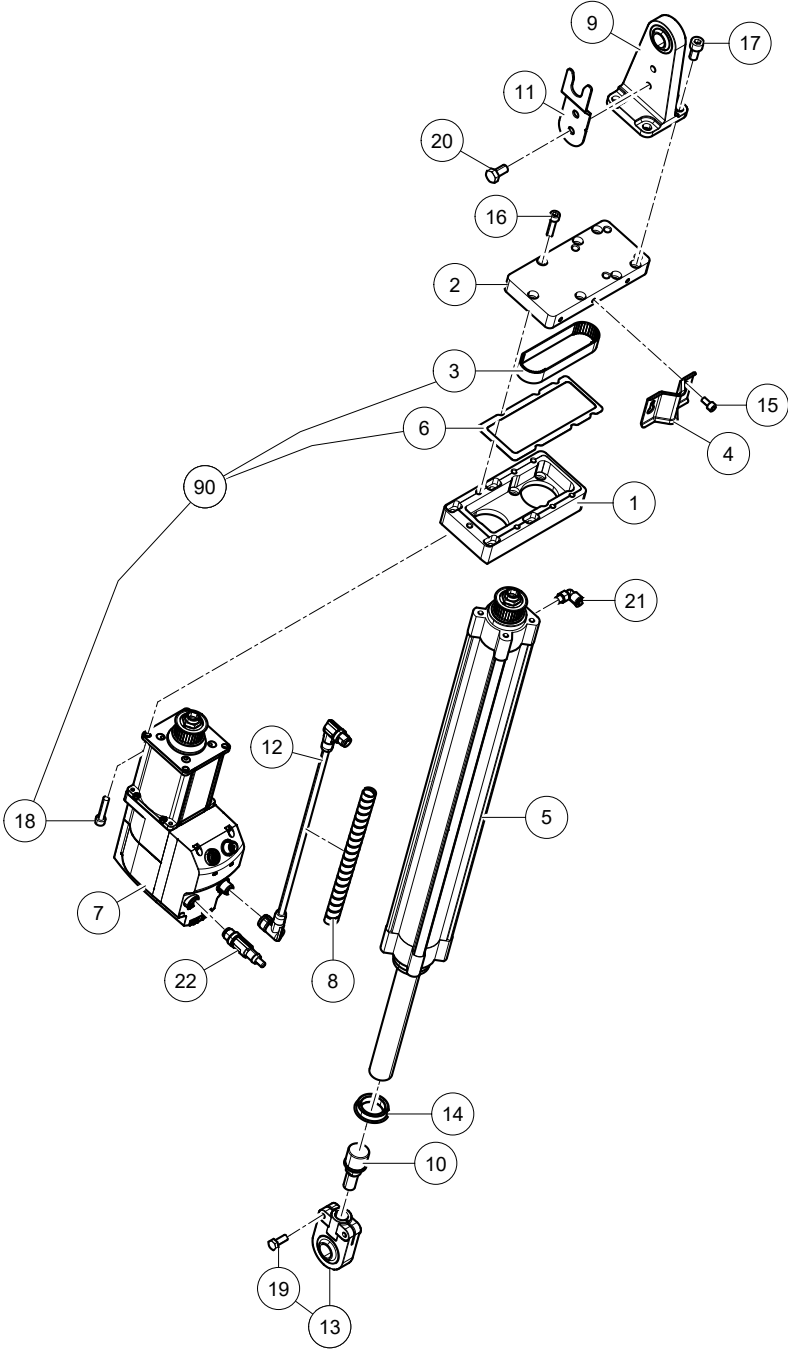




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	5.1005.2368.0	1	Bracket			
3	5.1005.3618.0	1	Set	BALANCER HEAD REVISION		
4	5.1005.5309.0	1	Flange			
5	9.1038.0062.0	1	Ball head	M16x1.5 WITH SCREWS		
6	9.1113.0163.1	2	Bolt	M6x16 DIN933-A2-2 s/s		
7	9.1113.0488.1	2	Bolt	M6x12 DIN933-A2-2 s/s		
8	9.1138.0202.3	2	Plug-in coupling	3/8"x10mm (_)		







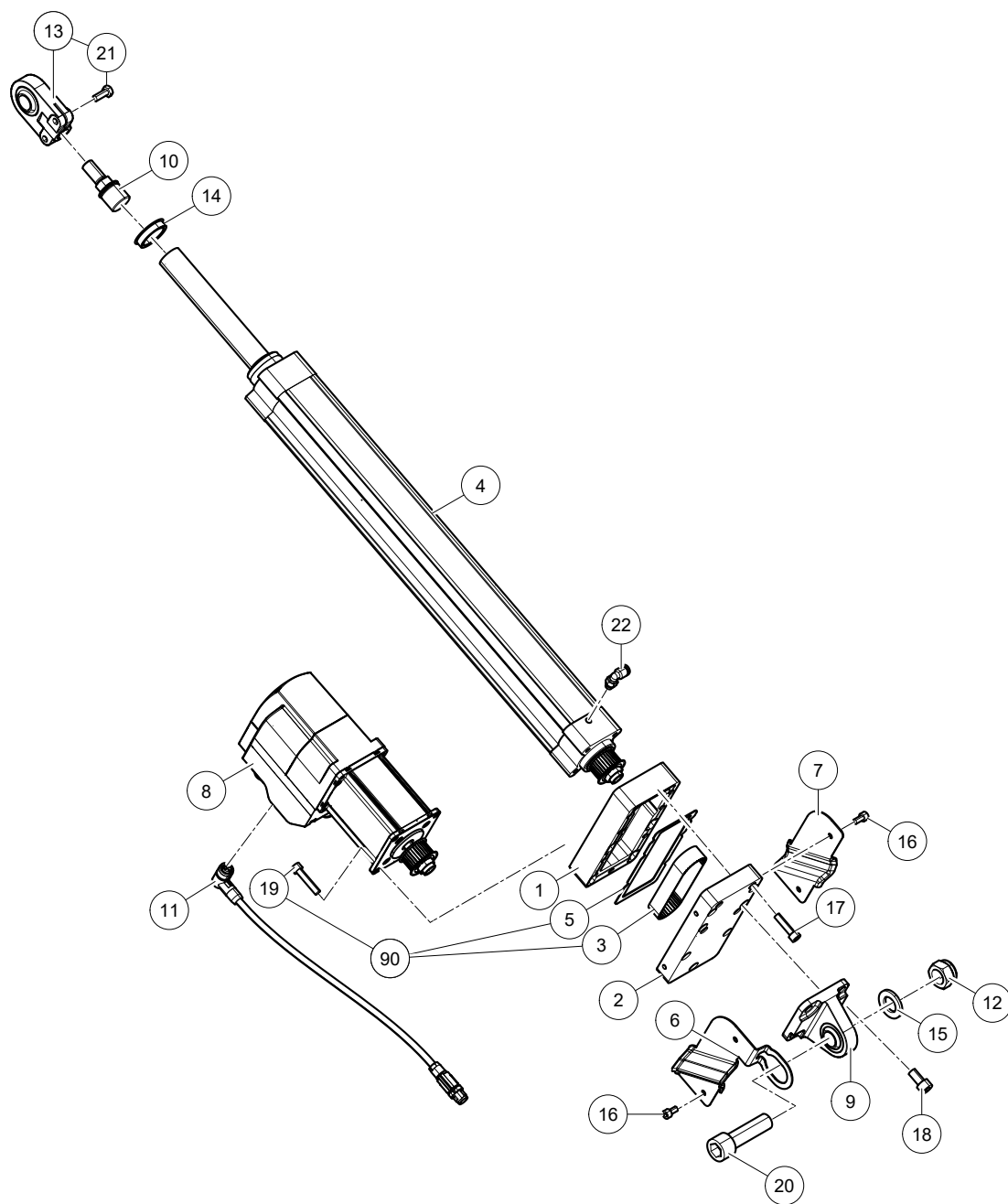
Lely Astronaut A5

Robot Arm

5.1X05.00XX-X

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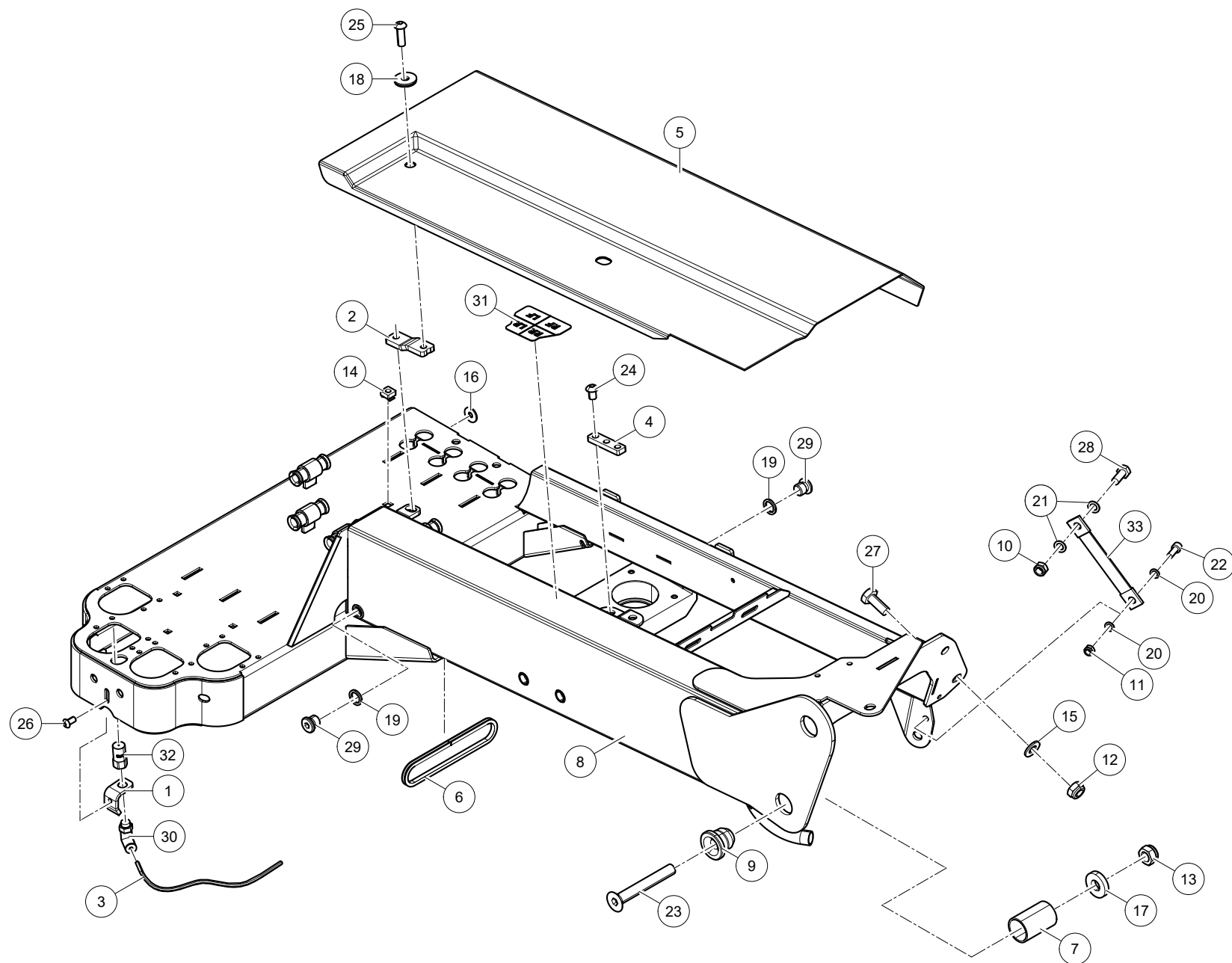
Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	#####	1	Not separately			
3	#####	1	Not separately			
4	5.1005.2345.0	1	Bracket			
5	5.1005.2378.0	1	Module			
6	#####	1	Not separately			
7	5.1005.3690.0	1	Drive	EMCA-EC-67-L-...-ET-CS		
8	9.1186.0822.0	1	Spiral	PSA BLACK ID 16mm		
9	5.1005.5469.0	1	Swivel flange			
10	5.1005.5820.0	1	Thread	FESTO CILINDER		
11	5.1005.5994.0	1	Bracket			
12	6.2001.1041.0	1	Cable	SAC-5P-MR-FR SCO BUS		
13	9.1038.0062.0	1	Ball head	M16x1.5 WITH SCREWS		
14	9.1042.0114.0	1	Wiper			
15	9.1057.0053.3	2	S.h. bolt	M5x10 DIN912 s/s		
16	9.1057.0068.4	7	S.h. bolt	M6x25 DIN912-A2 s/s		
17	9.1057.0074.3	4	S.h. bolt	M8x16 DIN912-A2 s/s		
18	9.1057.0153.5	4	Screw	M6x30 DIN912 s/s		
19	9.1113.0163.1	2	Bolt	M6x16 DIN933-A2-2 s/s		
20	9.1113.0290.2	2	Bolt	M8x16 DIN933-A2-2 s/s		
21	9.1138.1161.0	1	Pneumatic connector			
22	9.1186.1094.0	1	Resistor			
90	5.1005.3495.0	1	Repair set			





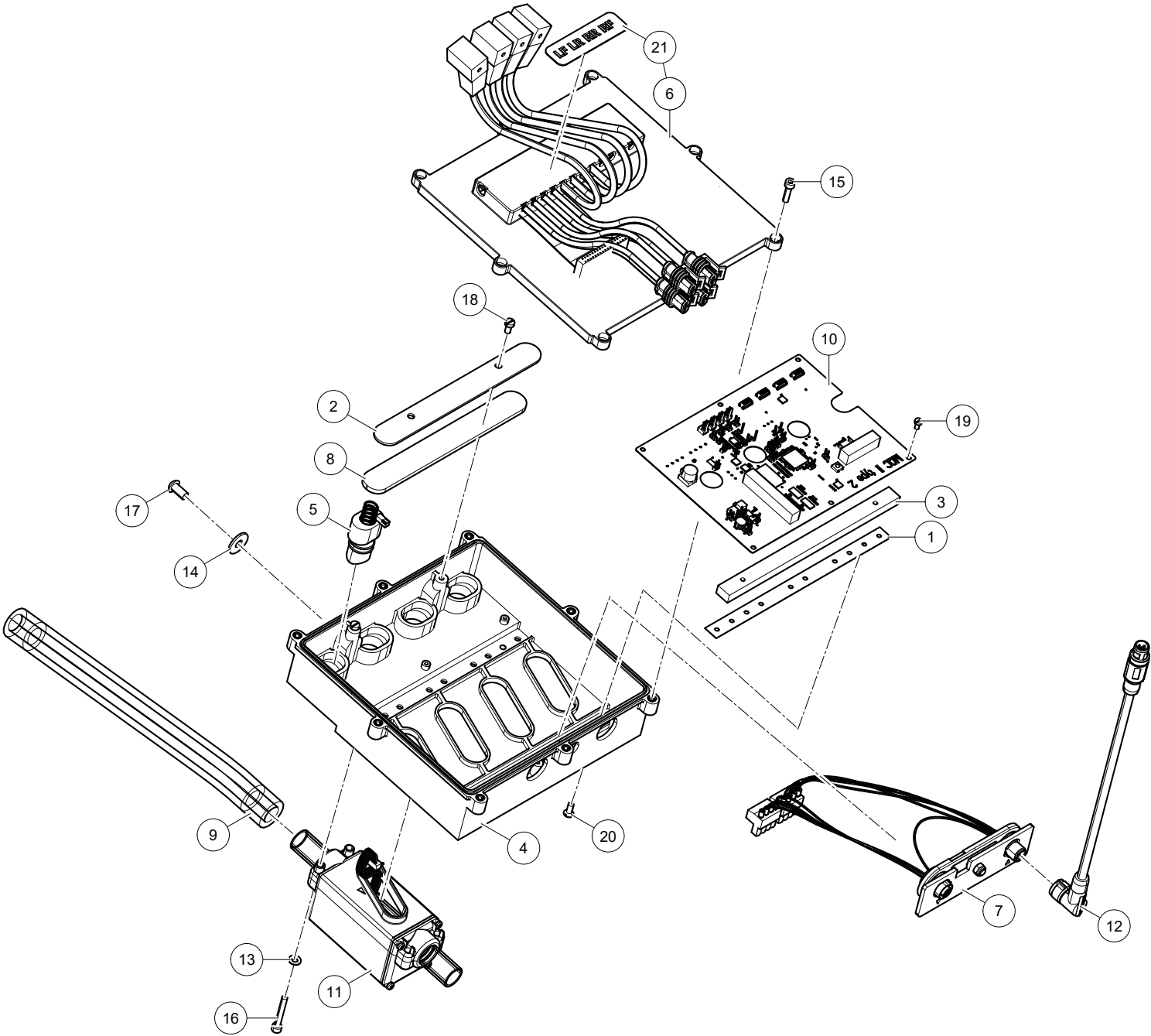
Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	#####	1	Not separately			
3	#####	1	Not separately			
4	5.1005.2378.0	1	Module			
5	#####	1	Not separately			
6	5.1005.3043.0	1	Bracket			
7	5.1005.3044.0	1	Bracket			
8	5.1005.3690.0	1	Drive	EMCA-EC-67-L...-ET-CS		
9	5.1005.5468.0	1	Swivel flange			
10	5.1005.5820.0	1	Thread	FESTO CILINDER		
11	6.2001.1051.0	1	Cable			
12	9.1030.0034.4	1	Nut	M16 DIN985-A2-2 s/s		
13	9.1038.0062.0	1	Ball head	M16x1.5 WITH SCREWS		
14	9.1042.0114.0	1	Wiper			
15	9.1048.0085.2	1	Washer	A17 DIN125-A2 s/s		
16	9.1057.0053.3	4	S.h. bolt	M5x10 DIN912 s/s		
17	9.1057.0068.4	7	S.h. bolt	M6x25 DIN912-A2 s/s		
18	9.1057.0074.3	4	S.h. bolt	M8x16 DIN912-A2 s/s		
19	9.1057.0153.5	4	Screw	M6x30 DIN912 s/s		
20	9.1057.0191.0	1	Socket head screw	M16x55 DIN912-A2-s/s		
21	9.1113.0163.1	2	Bolt	M6x16 DIN933-A2-2 s/s		
22	9.1138.1161.0	1	Pneumatic connector			
90	5.1005.3495.0	1	Repair set			





Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.0661.0	1	Bracket			
2	5.1003.1086.0	1	Strip			
3	9.1138.0045.0	1	Tube	TEFLON TRANSPARENT 4 mm L=1850		
4	5.1003.1254.0	1	Plate			
5	5.1003.1266.0	[R] 1	Cover plate			
	5.1103.1266.0	[L] ~	Cover plate			
6	9.1073.0082.2	1	Profile	3mm, L=300mm		
7	5.1005.3176.0	2	Tube			
8	#####	[R] 1	Not separately			
	#####	[L] ~	Not separately			
9	5.1005.3825.0	2	Plug			
10	9.1030.0020.4	1	Nut	M8 DIN985-A2-2 s/s		
11	9.1030.0021.5	1	Nut	M6 DIN985-A2-2 s/s		
12	9.1030.0022.6	3	Nut	M10 DIN985-A2-2 s/s		
13	9.1030.0023.0	2	Nut	M12 DIN985-A2-2 s/s		
14	9.1036.0099.0	2	Nut	M6		
15	9.1048.0051.3	3	Washer	A10.5 DIN125-A2 s/s		
16	9.1048.0095.5	4	Washer	A6.4 DIN9021-A2 s/s		
17	9.1048.0115.4	2	Washer	A13 DIN7349-A2 s/s		
18	9.1048.1006.0	2	Washer			
19	9.1049.0040.5	2	Sealing ring	1/4"		
20	9.1051.0006.4	2	Serr.lock washer	A6.4 DIN6798 s/s		
21	9.1051.0007.5	2	Serr.lock washer	A8.2 DIN6798 s/s		
22	9.1057.0060.3	1	S.h. bolt	M6x16 DIN912-A2 s/s		
23	9.1057.0367.0	2	Screw	M12x90 DIN7991-A2 s/s		
24	9.1057.0404.4	1	Button head screw	M8x12 ISO7380-1-A2-70 s/s		
25	9.1057.0405.5	2	Button head screw	M8x25 ISO7380-1-A2-70		
26	9.1057.0406.6	1	Button head screw	M6x12 ISO7380-1-A2-70 s/s		
27	9.1113.0170.1	3	Bolt	M10x25 DIN933-A2-2 s/s		
28	9.1113.0174.5	1	Bolt	M8x20 DIN933-A2-2 s/s		
29	9.1131.0020.1	2	Plug			
30	9.1138.0997.0	1	Plug-in coupling			
31	9.1170.0914.0	1	Decal	LF, LR, RR, RF, pulsator		
32	9.1185.1033.0	1	Nozzle			
33	9.1186.0996.0	1	Ground strip			

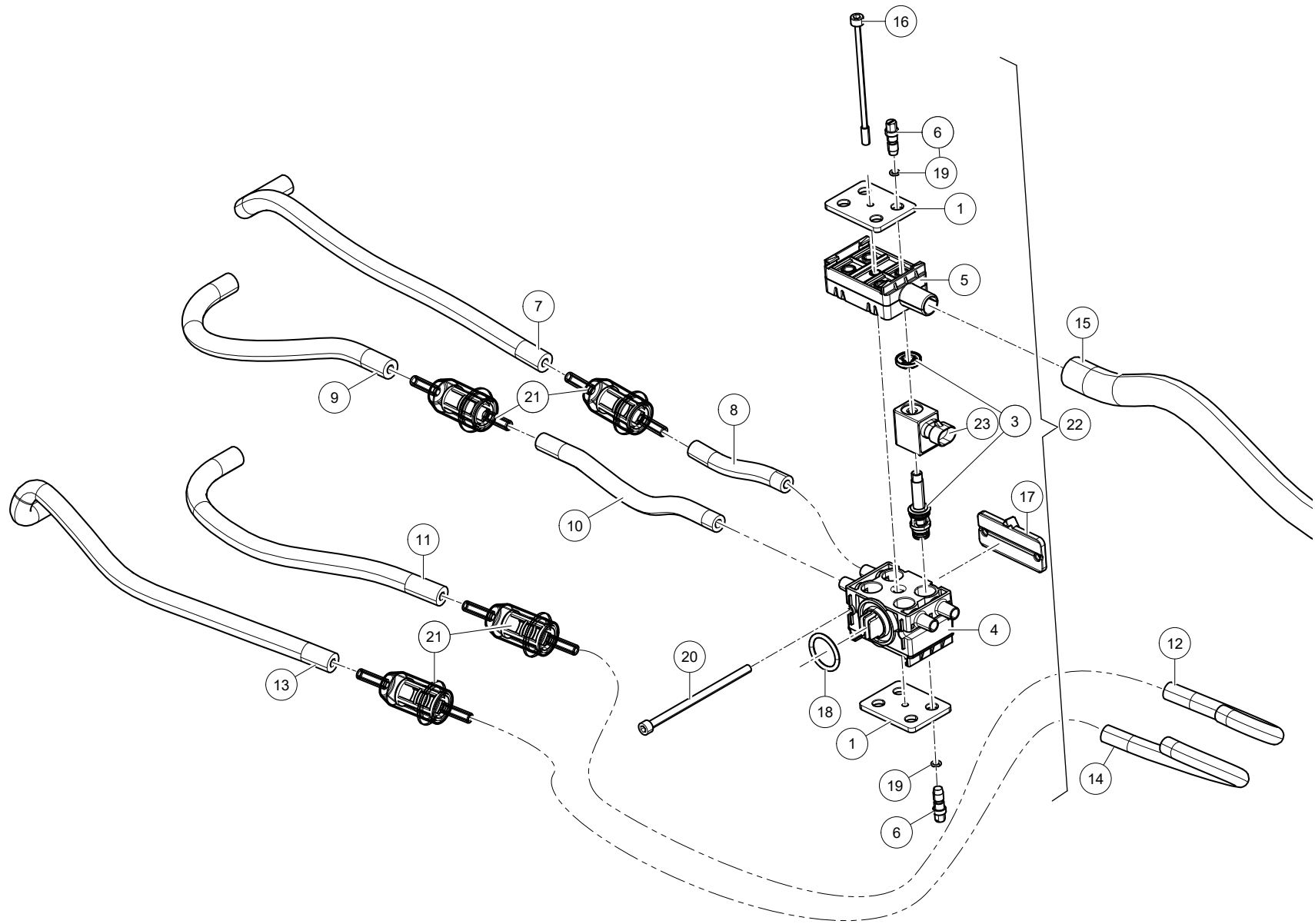




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

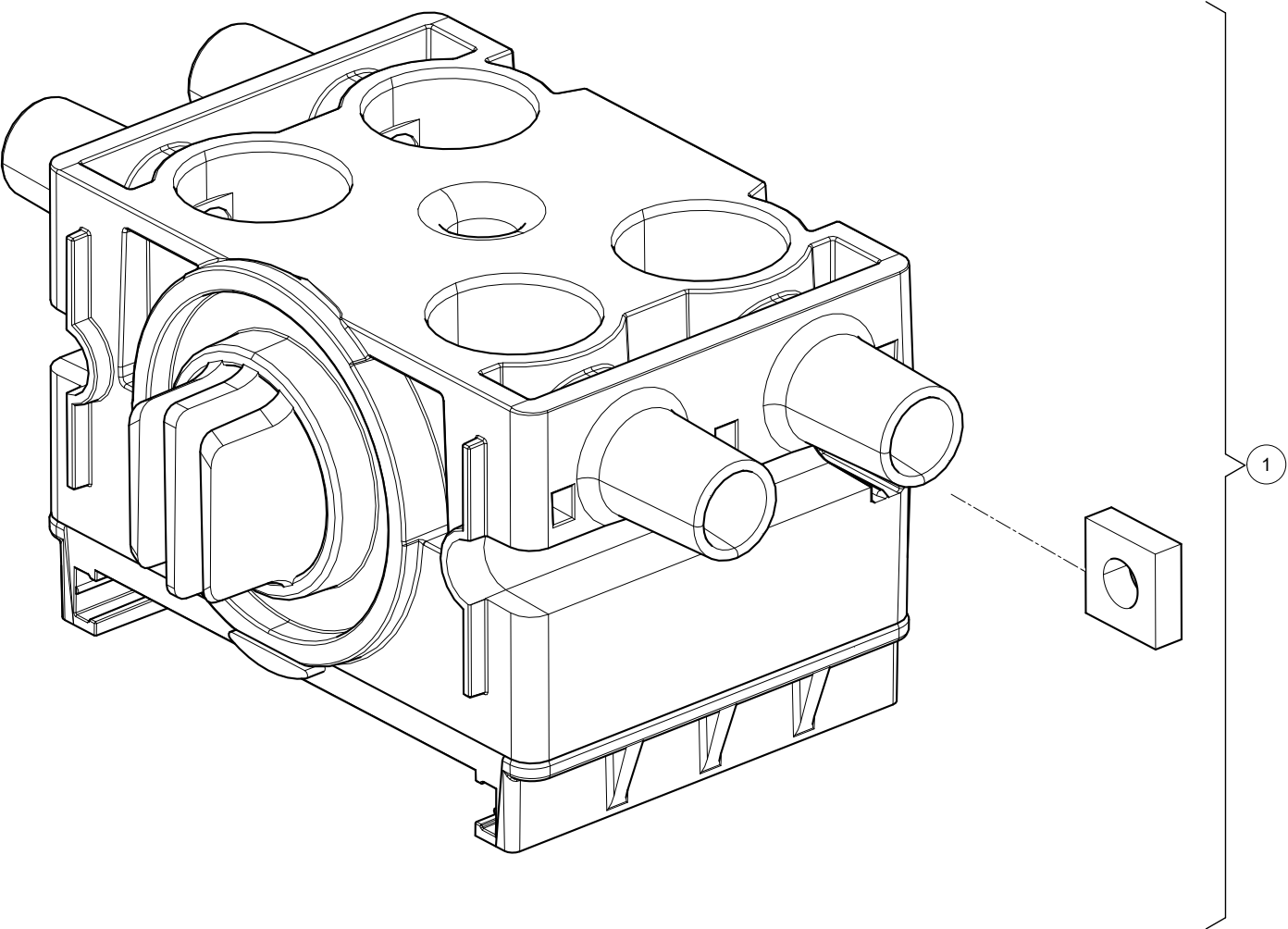
Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.0647.0	2	Gasket			
2	5.1003.0980.0	1	Strip			
3	5.1003.0986.0	2	Strip			
4	5.1003.1271.0	1	Box	MQC-II box with seal		
5	5.1003.3220.0	4	Sensor			
6	5.1005.2768.0	1	Cover			
7	5.1005.2935.0	1	Set	CAN Connectors MQC2		
8	#####	1	Not separately			
9	9.1185.0013.3	4	Hose	14x25mm SILICON		
10	5.1005.3841.0	1	PCB			
11	5.1005.4120.0	4	Sensor	MQC2		
12	6.2001.1020.0	1	Cable	SAC-5P-MS-FR SCO BUS		
13	9.1048.0089.6	16	Washer	A4.3 DIN125-A2 s/s		
14	9.1048.0095.5	2	Washer	A6.4 DIN9021-A2 s/s		
15	9.1057.0084.6	8	S.h. bolt	M4x16 DIN912-A2 s/s		
16	9.1057.0122.2	16	S.h. bolt	M4x30 DIN912-A2 s/s		
17	9.1057.0406.6	2	Button head screw	M6x12 ISO7380-1-A2-70 s/s		
18	9.1059.0108.0	2	Screw	M4x8 s/s		
19	9.1059.0110.2	6	Screw	M3x6 s/s		
20	9.1060.0040.1	4	Screw	M4x10 s/s		
21	9.1170.0915.0	1	Decal			

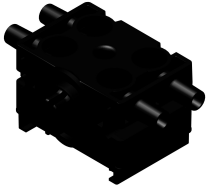






Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.5798.0	2	Plate			
2	5.1004.5848.0	8	Adj.screw			
3	5.1004.6255.0	1	Kit	4EFFECT 3 Valves and Seals		
4	#####	1	Not separately			(see page 54)
5	#####	1	Not separately			
6	5.1004.6799.0	8	Adj. screw			
7	9.1185.0089.2	[R] 1	Hose	SILICONE 7x14mm L=435mm		
	9.1185.0089.2	[L] ~	Hose	SILICONE 7x14mm L=415mm		
8	9.1185.0089.2	[R] 1	Hose	SILICONE 7x14mm L=95mm		
	9.1185.0089.2	[L] ~	Hose	SILICONE 7x14mm L=60mm		
9	9.1185.0089.2	1	Hose	SILICONE 7x14mm L=285mm		
10	9.1185.0089.2	[R] 1	Hose	SILICONE 7x14mm L=205mm		
	9.1185.0089.2	[L] ~	Hose	SILICONE 7x14mm L=190mm		
11	9.1185.0089.2	[R] 1	Hose	SILICONE 7x14mm L345mm		
	9.1185.0089.2	[L] ~	Hose	SILICONE 7x14mm L280mm		
12	9.1185.0089.2	1	Hose	SILICONE 7x14mm L275mm		
13	9.1185.0089.2	[R] 1	Hose	SILICONE 7x14mm L385mm		
	9.1185.0089.2	[L] ~	Hose	SILICONE 7x14mm L=315mm		
14	9.1185.0089.2	1	Hose	SILICONE 7x14mm L=235mm		
15	9.1185.0013.3	1	Hose	SILICONE 25x14mm L=550mm		
16	5.1005.5176.0	1	Bolt	CENTRAL PULSATOR LONG THREAD		
17	5.1005.5212.0	1	Plate			
18	9.1043.0065.1	1	O-ring	25x3.5		
19	9.1043.0213.0	8	O-ring	4.47x1.78 EPDM 70 Shore A		
20	9.1057.0159.4	2	S.h. bolt	M6x110 DIN912-A2 s/s		
21	9.1189.0213.0	4	Filter			
22	5.1004.6801.0	[R] 1	Kit	4effect		
	5.1104.6801.0	[L] ~	Kit	4effect 3		
23	9.1138.0911.0	1	Coil	incl. o-ring pulsator unit type 1		

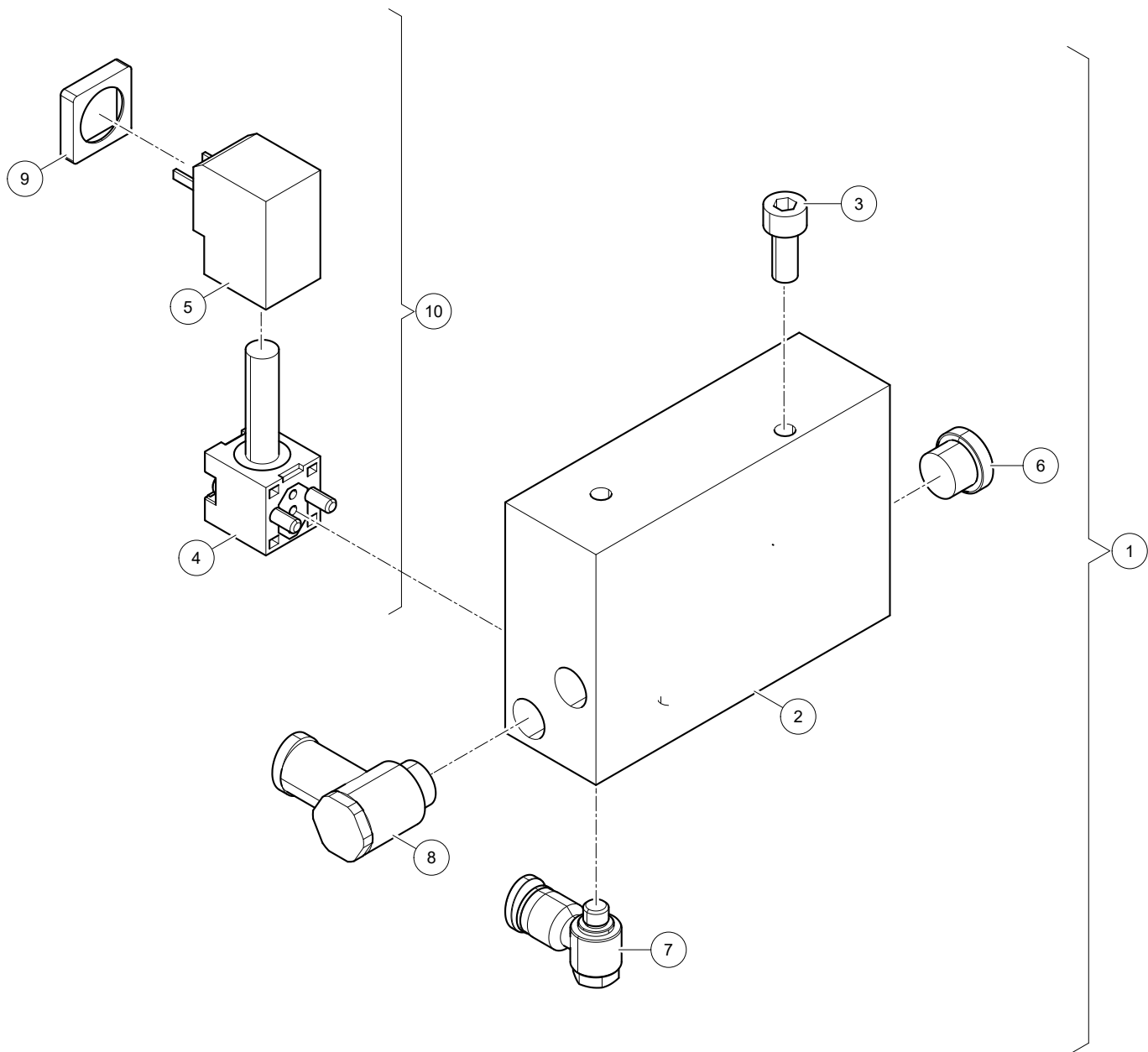


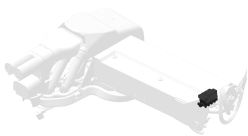


Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.6800.0	1	Manifold	Vacuum incl. Fasteners		



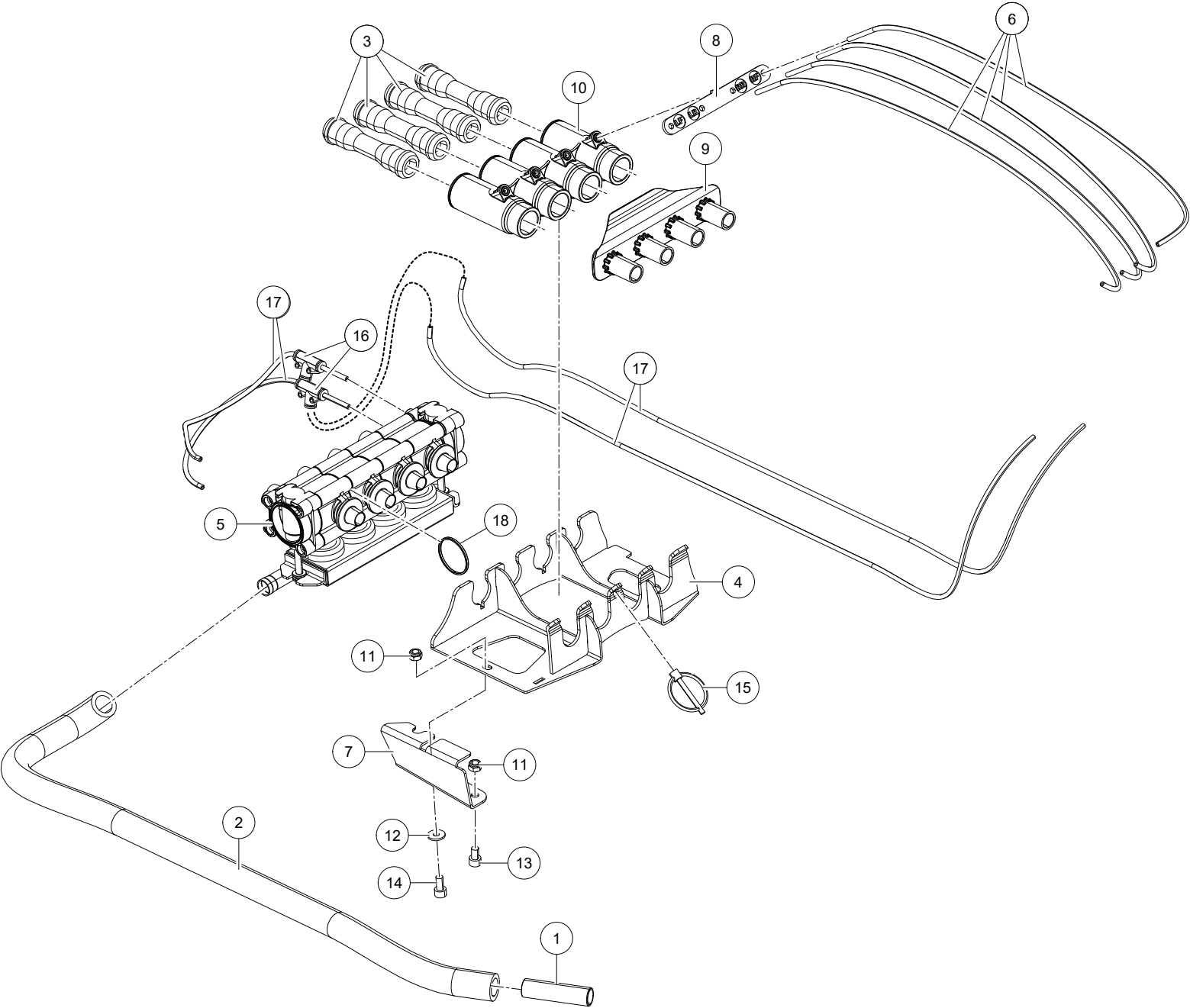


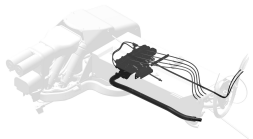


Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

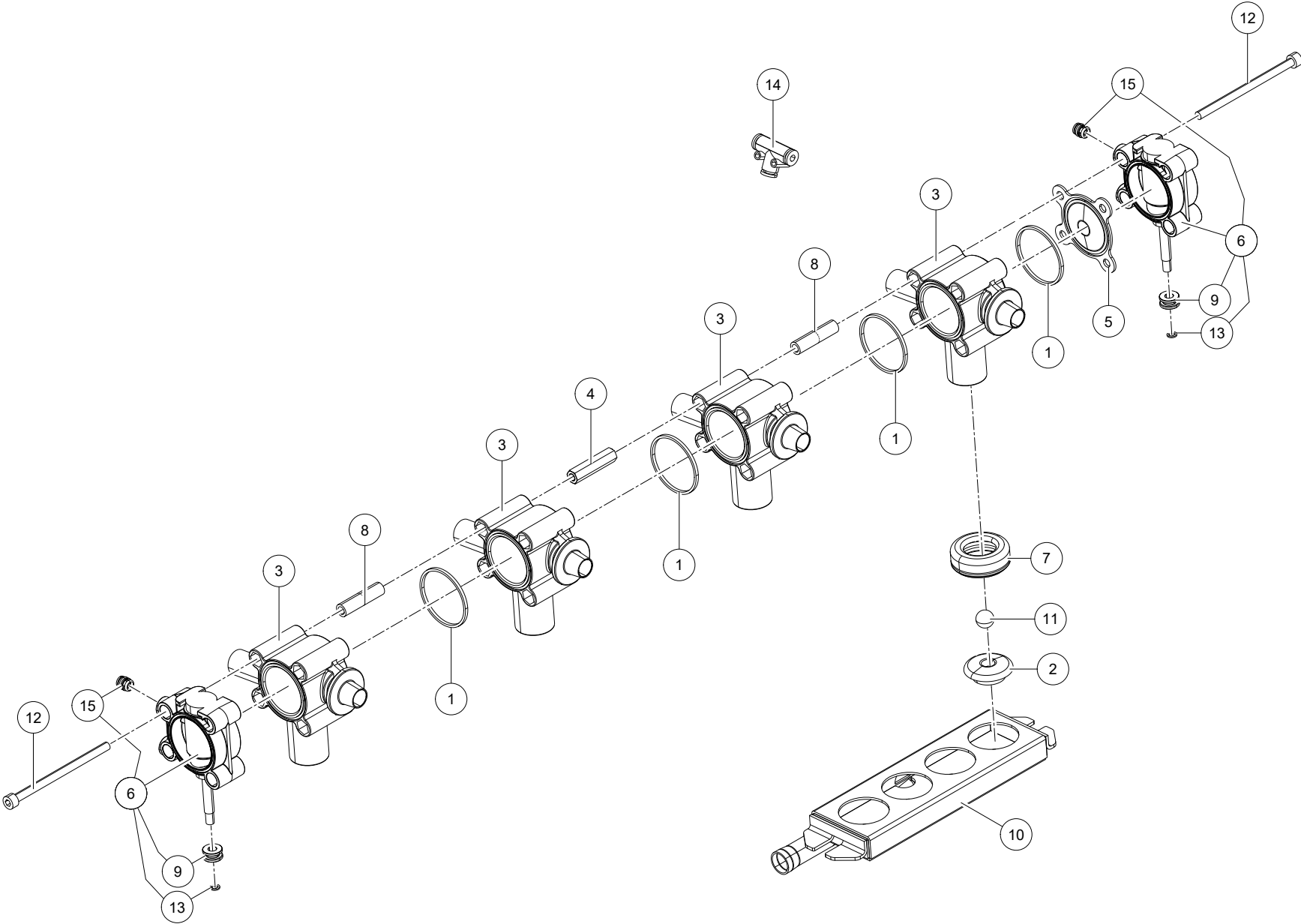
Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.3598.0	1	Set Pilot Valves	With bolts		
2	#####	1	Not separately			
3	9.1057.0170.0	2	S.h. bolt	M5x12 DIN912-A2s/s		
4	#####	4	Not separately			
5	#####	4	Not separately			
6	#####	2	Not separately			
7	9.1138.1233.0	4	Push-pull nipple	Ø4xM5		
8	9.1138.1234.0	2	Push-pull nipple	Ø6xG1/8		
9	9.1138.1308.0	4	Seal			
10	9.1138.1363.0	4	Valve	3/2 NO Valve 10B NW 1.6 24VDC		

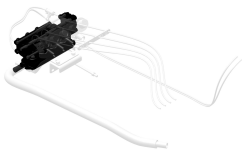






Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1001.6659.0	1	Coupling piece			
2	9.1185.0013.3	1	Hose	SILICONEN 14 x 25 L=650		
3	5.1005.5295.0	4	Sleeve			
4	5.1004.0197.0	[R] 1	Bracket			
	5.1104.0197.0	[L] ~	Bracket			
5	#####	[R] 1	Not separately			(see page 60)
	#####	[L] ~	Not separately			
6	9.1138.0062.3	4	Tube	BLACK PA 4mm L=500		
7	5.1004.1131.0	[R] 1	Plate			
	5.1104.1131.0	[L] ~	Plate			
8	5.1004.1541.0	1	Bracket			
9	5.1004.2462.0	1	Plate			
10	#####	1	Not separately			
11	9.1030.0021.5	3	Nut	M6 DIN985-A2-2 s/s		
12	9.1048.0093.3	1	Washer	A5.3 DIN9021-A2 s/s		
13	9.1057.0057.0	2	S.h. bolt	M6x10 DIN912-A2-2 s/s		
14	9.1057.0067.3	1	Socket head screw	M6x12 DIN912-A2 s/s		
15	9.1123.0012.1	1	Locking pin	4.7x32 s/s-A2		
16	9.1138.0100.6	2	Plug-in coupling	4-4-4mm (T)		
17	9.1138.0062.3	4	Tube	4mm PA black		
18	5.1005.3710.0	4	Seal			

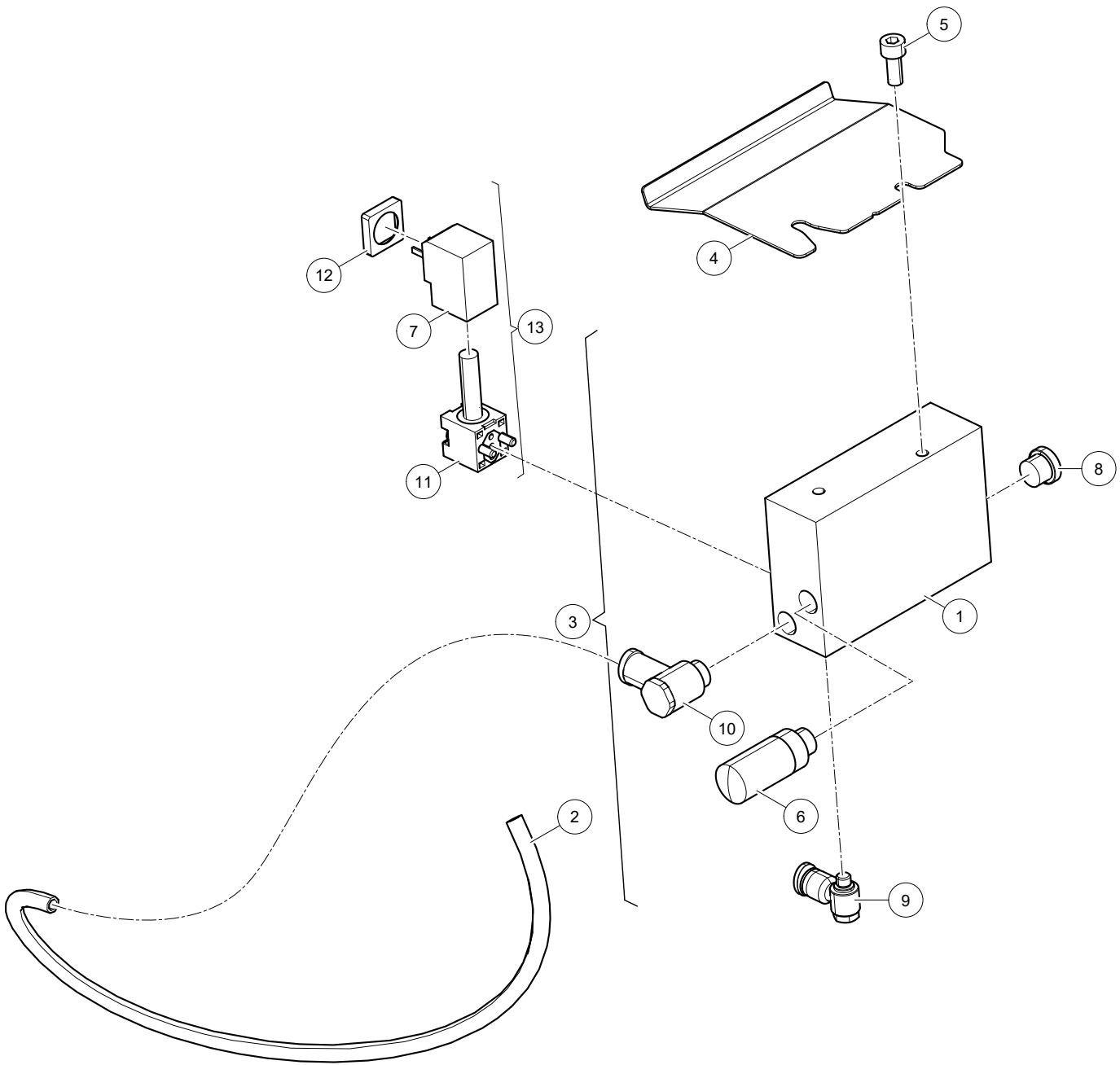




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Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.3710.0	4	Seal			
2	5.1005.5155.0	4	Stop			
3	5.1004.0209.0	4	Manifold			
4	5.1004.0473.0	4	Nut			
5	5.1004.0639.0	1	Plate			
6	#####	2	Not separately			
7	5.1004.2575.0	4	Red. nipple			
8	5.1004.2579.0	8	Spacer bushing			
9	5.1004.2629.0	2	Bushing			
10	#####	[R] 1	Not separately			
	#####	[L] ~	Not separately			
11	9.1021.0010.3	4	Ball	ø11 PP		
12	9.1057.0131.4	8	S.h. bolt	M5x80 DIN912-A2-90 s/s		
13	9.1119.0058.0	2	Retaining ring			
14	9.1138.0100.6	2	Plug-in coupling	4-4-4mm (T)		
15	9.1138.0363.2	4	Coupling	4mm short		



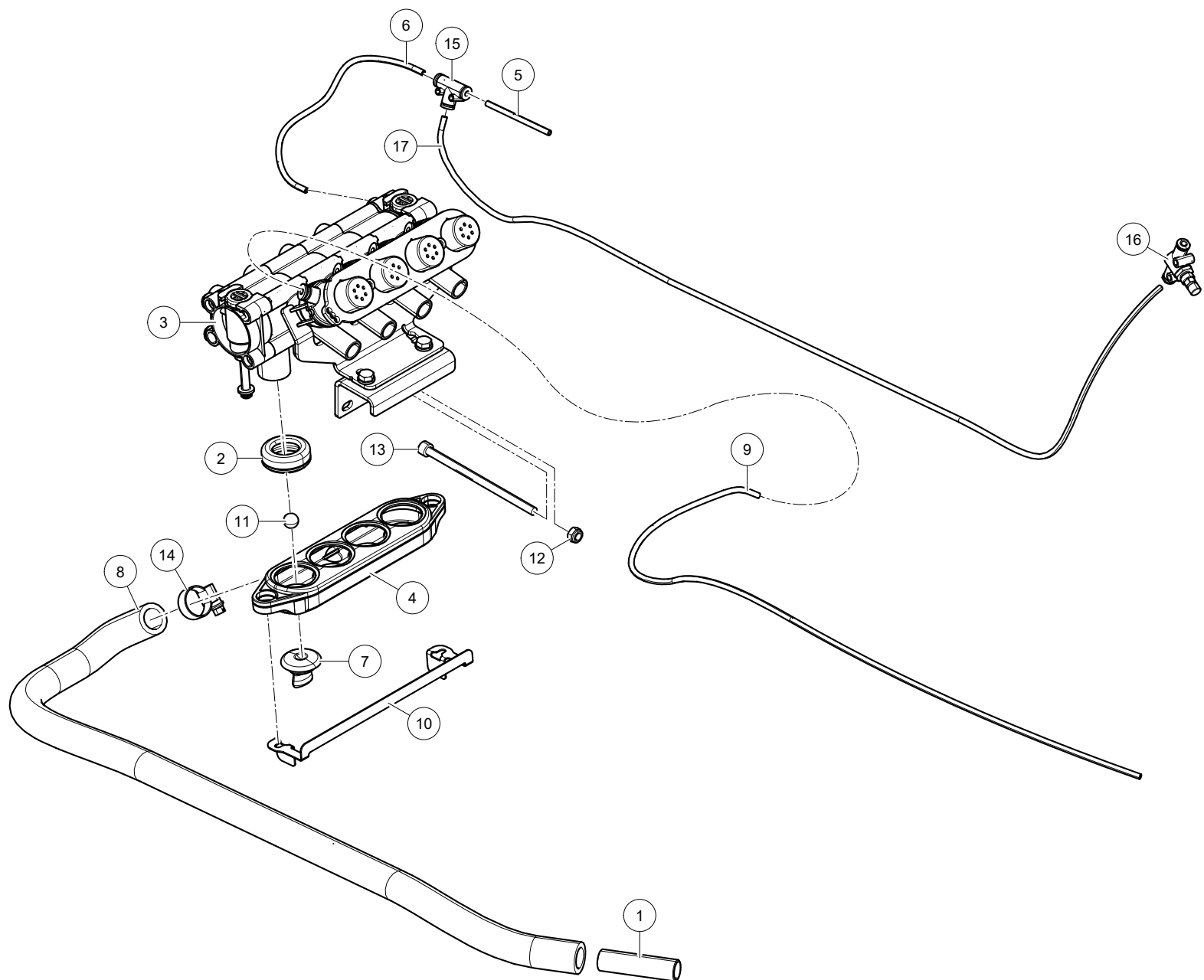


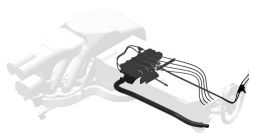


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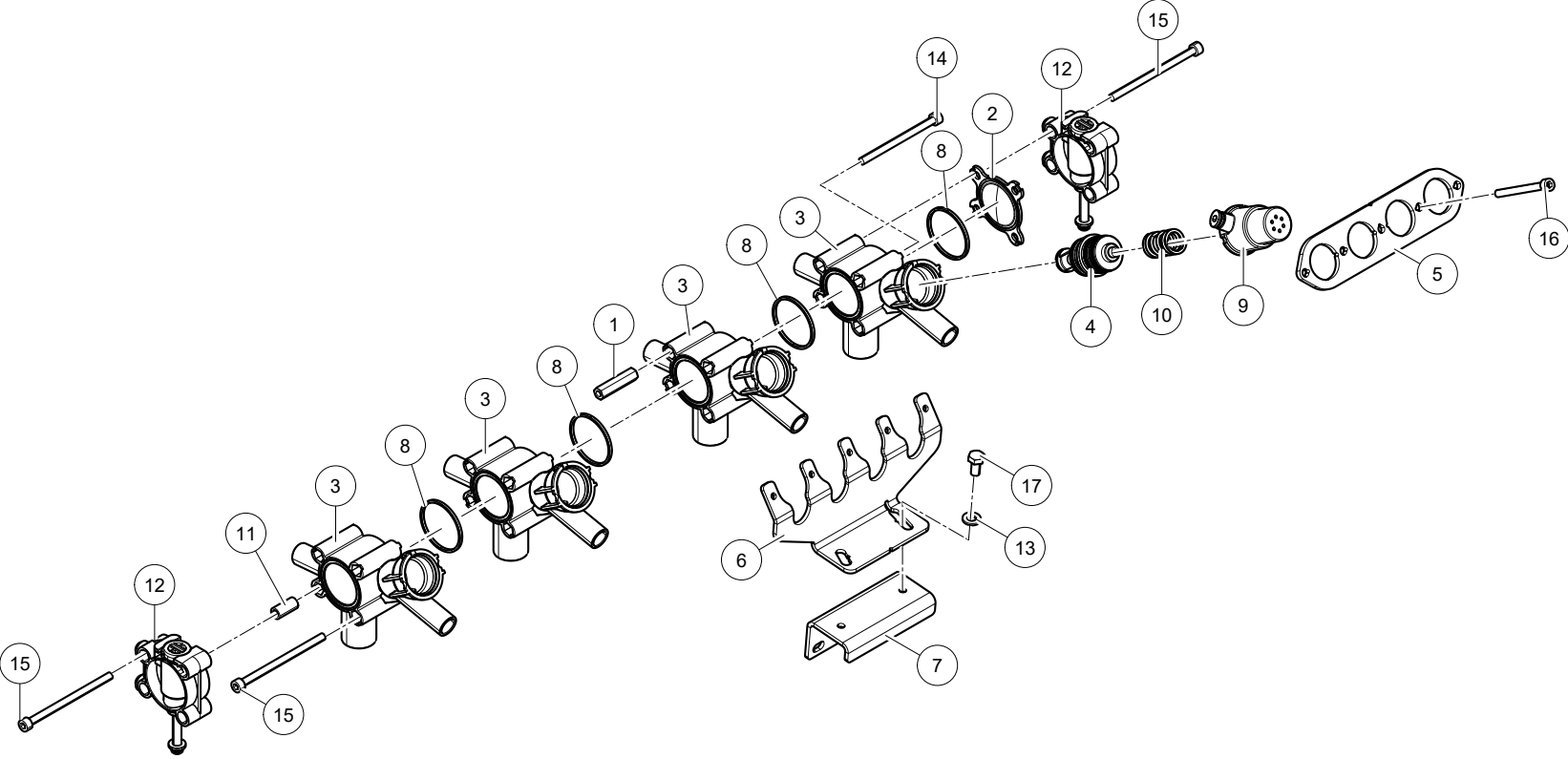
Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	9.1138.0063.4	1	Tube	BLACK PA 6mm L=430		
3	5.1005.3749.0	1	Valve block	Pilot valves NC shut off's		
4	5.1005.5570.0	1	Cover	Pilot valve shield		
5	9.1057.0170.0	2	S.h. bolt	M5x12 DIN912-A2s/s		
6	9.1138.0988.0	1	Silencer	G1/8"		
7	#####	4	Not separately			
8	#####	2	Not separately			
9	9.1138.1233.0	4	Push-pull nipple	Ø4xM5		
10	9.1138.1234.0	1	Push-pull nipple	Ø6xG1/8		
11	#####	4	Not separately			
12	9.1138.1308.0	4	Seal			
13	9.1138.1362.0	4	Valve	3/2 NC Valve 10B NW1.6 24VDC		

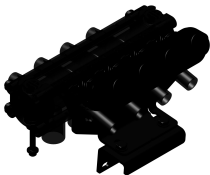






Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1001.6659.0	1	Coupling piece			
2	5.1004.2575.0	4	Red. nipple			
3	#####	1	Not separately			(see page 66)
4	5.1005.3891.0	1	Collector	Pre milk device		
5	9.1138.0062.3	2	Tube	BLACK PA 4mm L=65		
6	9.1138.0062.3	2	Tube	BLACK PA 4mm L=225		
7	5.1005.5155.0	4	Stop			
8	9.1185.0013.3	1	Hose	SILICONEN 14 x 25 L=850		
9	9.1138.0062.3	4	Tube	PRE MILK VALVE		
10	5.1005.5780.0	1	Bracket	PREMILK SPRING		
11	9.1021.0010.3	4	Ball	ø11 PP		
12	9.1030.0021.5	1	Nut	M6 DIN985-A2-2 s/s		
13	9.1057.0159.4	1	S.h. bolt	M6x110 DIN912-A2 s/s		
14	9.1066.0091.0	1	Hose clamp	16-27 s/s		
15	9.1138.0100.6	2	Plug-in coupling	4-4-4mm (T)		
16	9.1138.0188.3	2	Pressure reducer	4-4mm		
17	#####	2	Not separately			

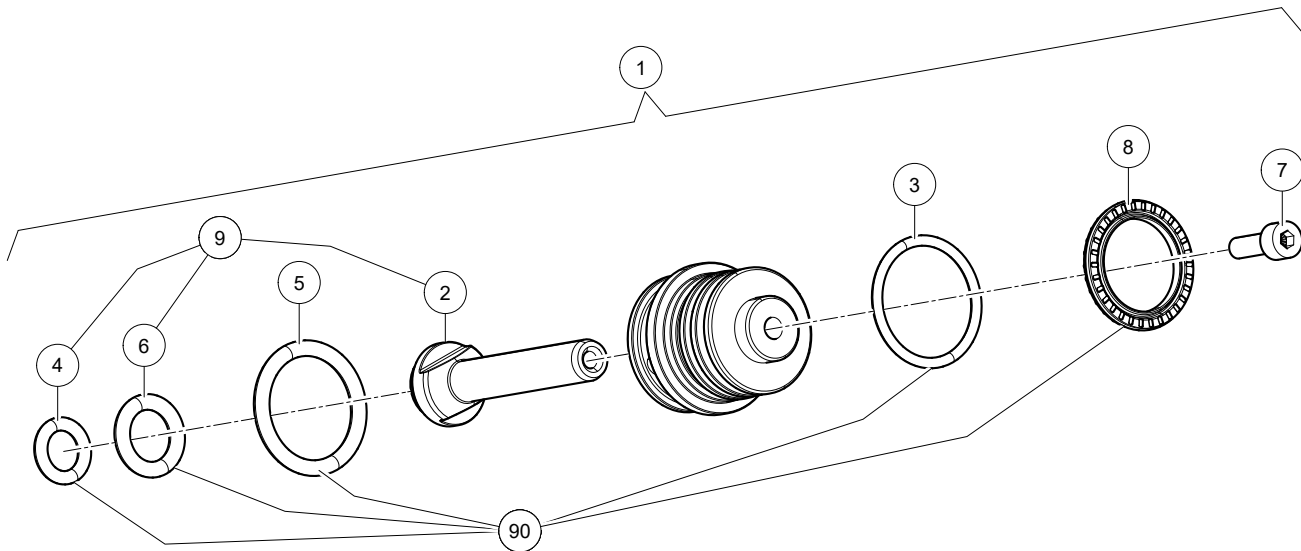




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Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.0473.0	4	Nut			
2	5.1005.3298.0	1	Plate	Premilk partition		
3	5.1005.3367.0	4	Manifold			
4	5.1005.3368.0	4	Piston			(see page 68)
5	5.1005.3373.0	1	Plate			
6	5.1005.3374.0	1	Plate			
7	#####	1	Not separately			
8	5.1005.3710.0	4	Seal			
9	5.1005.3724.0	4	Cylinder			
10	5.1005.3729.0	4	Spring			
11	5.1005.3784.0	2	Bushing			
12	5.1005.3842.0	2	Actuator			
13	9.1048.0046.5	2	Washer	A6.4 DIN125-A4 s/s		
14	9.1057.0081.3	4	S.h. bolt	M5x70 DIN912-A4 s/s		
15	9.1057.0131.4	4	S.h. bolt	M5x80 DIN912-A2-90 s/s		
16	9.1057.0189.0	2	Screw			
17	9.1113.0488.1	2	Bolt	M6x12 DIN933-A2-2 s/s		



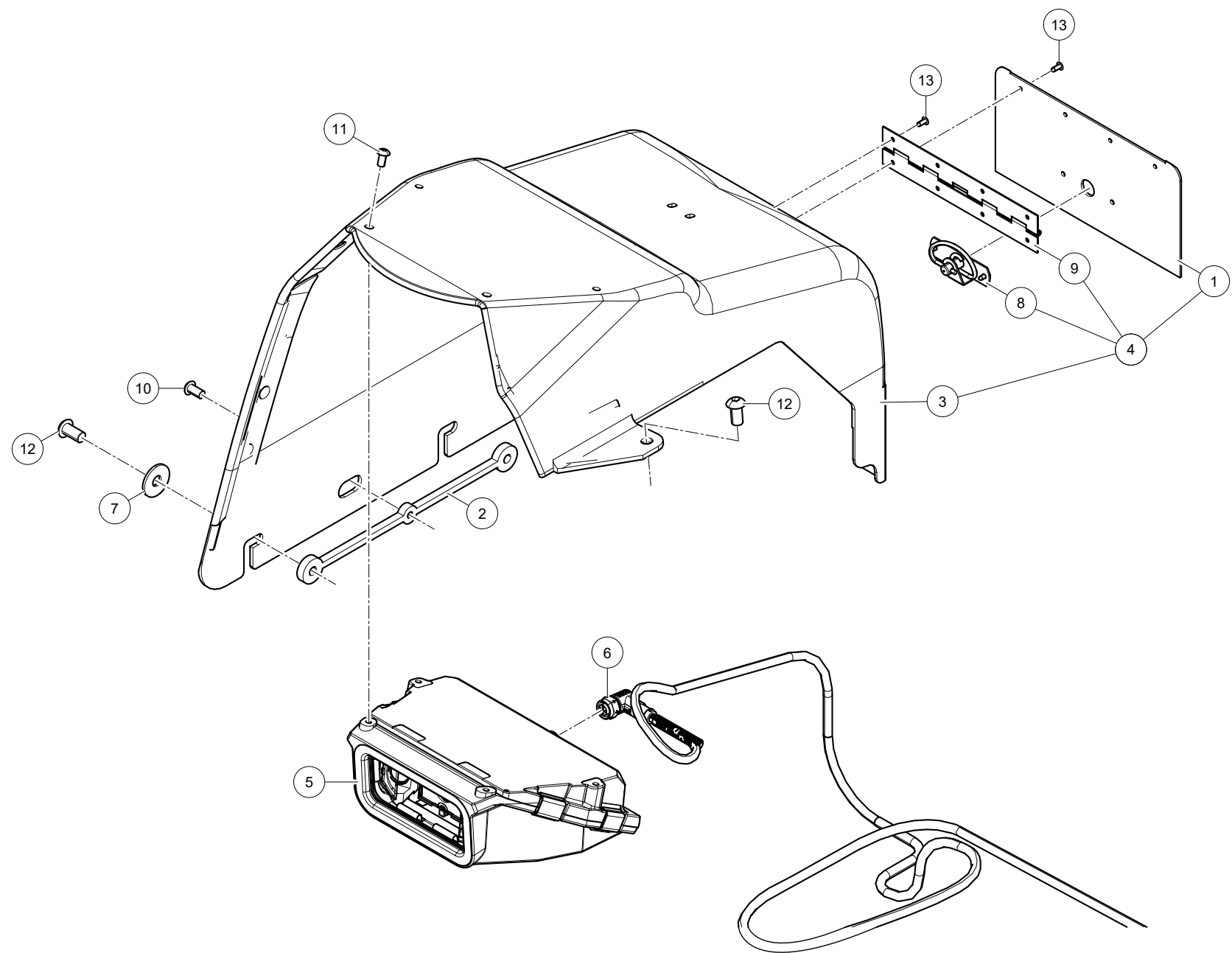


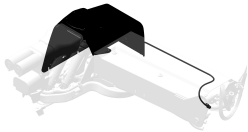


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Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.3368.0	4	Piston			
2	#####	1	Not separately			
3	9.1043.0128.1	4	O-ring	21.5x2		
4	9.1043.0227.0	8	O-ring	7.78x2.55		
5	9.1043.0325.0	4	O-ring	20x3 EPDM 3A FDA 70° SHORE		
6	9.1043.0332.0	4	O-ring	10x3 NBR 3A FDA 70°SHORE		
7	9.1057.0160.5	4	Screw	M4x12 DIN912 s/s		
8	9.1137.0433.0	4	Seal	PISTONSEAL 25x18x2.1		
9	5.1005.5832.0	1	Set	PRE MILK PISTON		
90	5.1005.5602.0	1	Set o-rings			



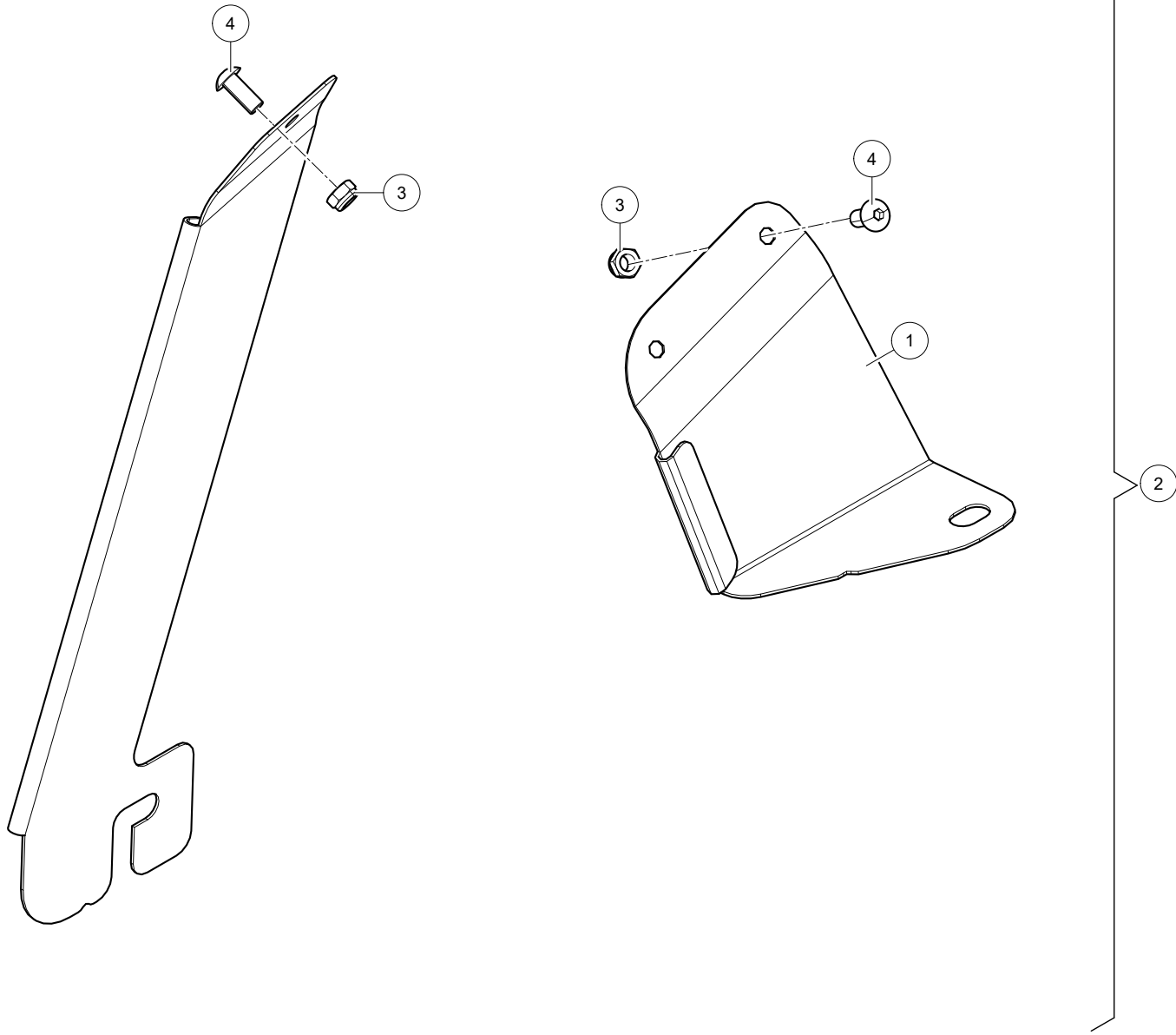


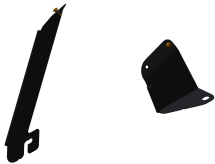


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Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	#####	1	Not separately			
2	5.1003.1338.0	1	Fixation plate			
3	#####	[R] 1	Not separately			
	#####	[L] ~	Not separately			
4	5.1003.2960.0	[R] 1	Cover			
	5.1103.2960.0	[L] ~	Cover			
5	#####	1	Not separately			
6	6.2001.1045.0	1	Cable	SAC-5P-M12MR/1.5-92X/FR VA NLY		
7	9.1048.0052.4	2	Washer	A8.4 DIN9021-A2 s/s		
8	9.1056.0013.6	1	Spring			
9	9.1056.0014.0	1	Hinge			
10	9.1057.0406.6	1	Button head screw	M6x12 ISO7380-1-A2-70 s/s		
11	9.1057.0418.4	4	Button head screw	M5x10 ISO7380-1-A2 s/s		
12	9.1057.0455.0	2	Screw	M8x16 A2-70 s/s		
13	9.1152.0011.6	10	Blind rivet	3.0x 6 s/s		



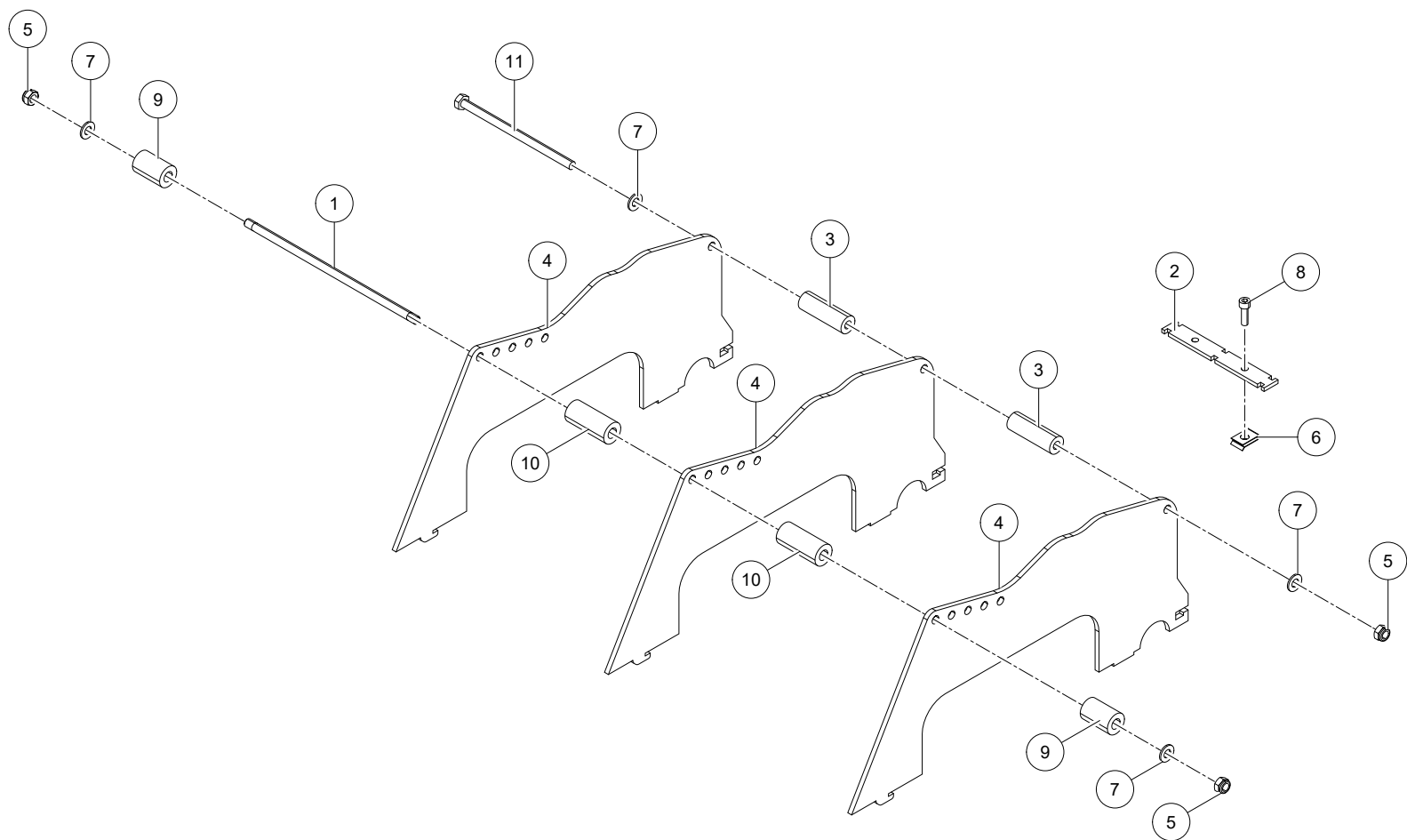




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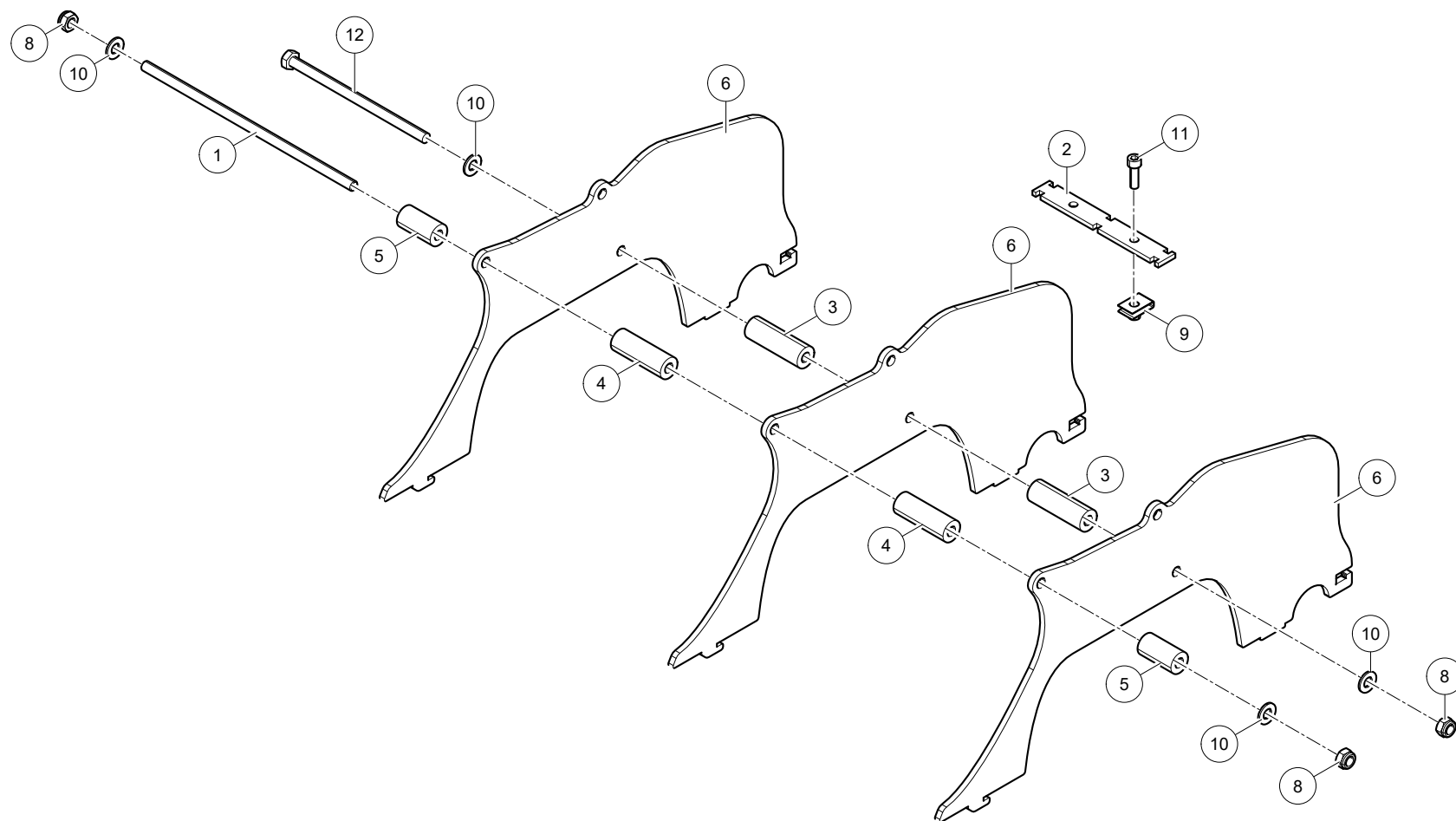
Ref.	Part No		Qty.	Description	Techn. info	Criticality	Remark
1	#####	[R]	1	Not separately			
	#####	[L]	~	Not separately			
2	5.1004.7117.0	[R]	1	Cover Repair Kit	[R]		
	5.1104.7117.0	[L]	~	Cover Repair Kit	[L]		
3	9.1030.0035.5		3	Nut	M5 DIN985-A2-2 s/s		
4	9.1057.0402.2		3	Button head screw	M5x12 ISO7380-A2 s/s		







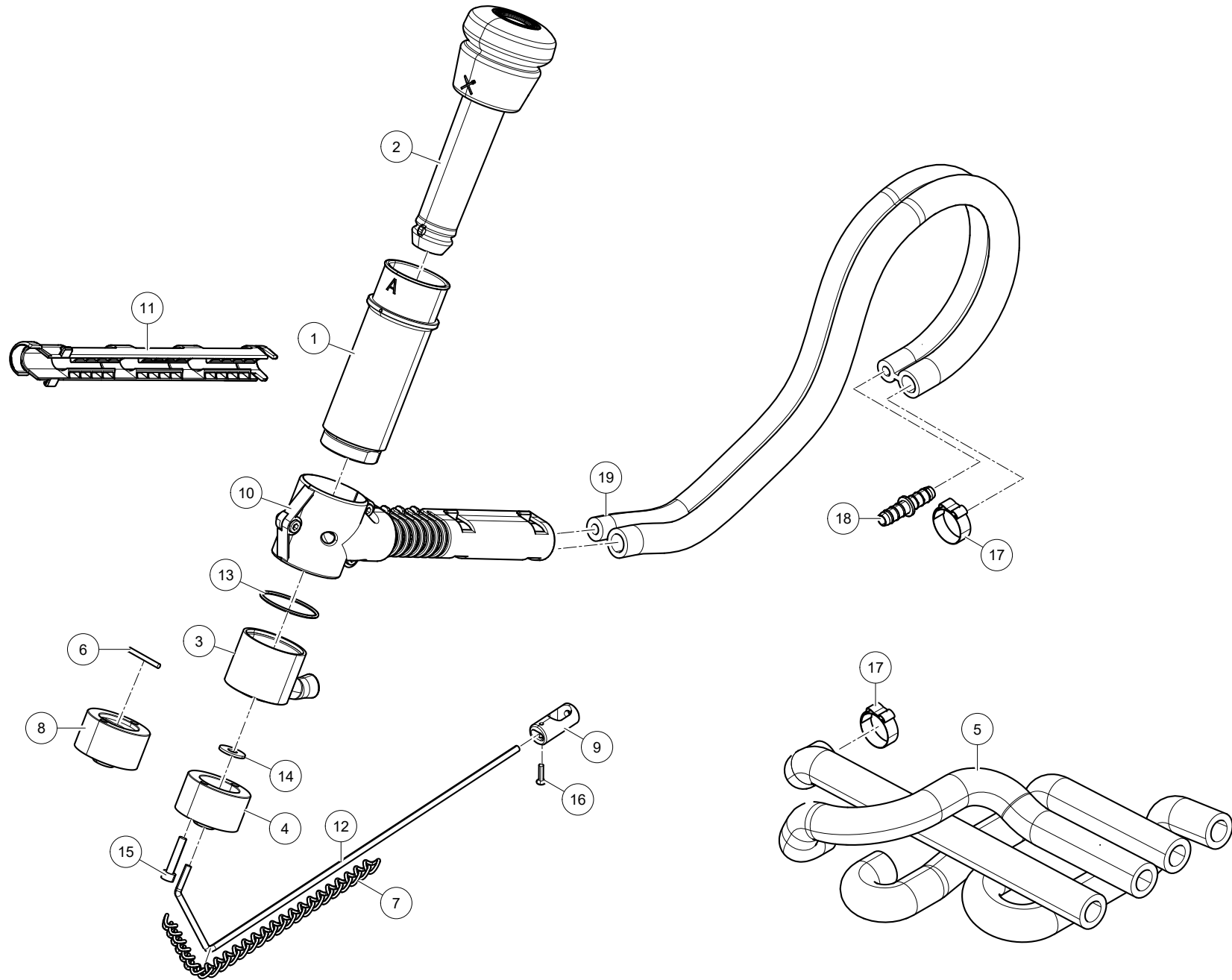
Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.0869.0	1	Shaft			
2	5.1003.1262.0	1	Locking strip			
3	5.1003.1409.0	2	Spacer bushing			
4	5.1004.0486.0	3	Plate			
5	9.1030.0020.4	3	Nut	M8 DIN985-A2-2 s/s		
6	9.1036.0039.3	2	Speed nut	M6 s/s		
7	9.1048.0050.2	4	Washer	A8.4 DIN125-A2 s/s		
8	9.1057.0092.0	2	S.h. bolt	M6x20 DIN912-A2 s/s		
9	#####	2	Not separately			
10	#####	2	Not separately			
11	9.1113.0351.6	1	Bolt	M8x140 DIN931-A2-2 s/s		



$$7 = 3 + 4 + 5 + 8$$

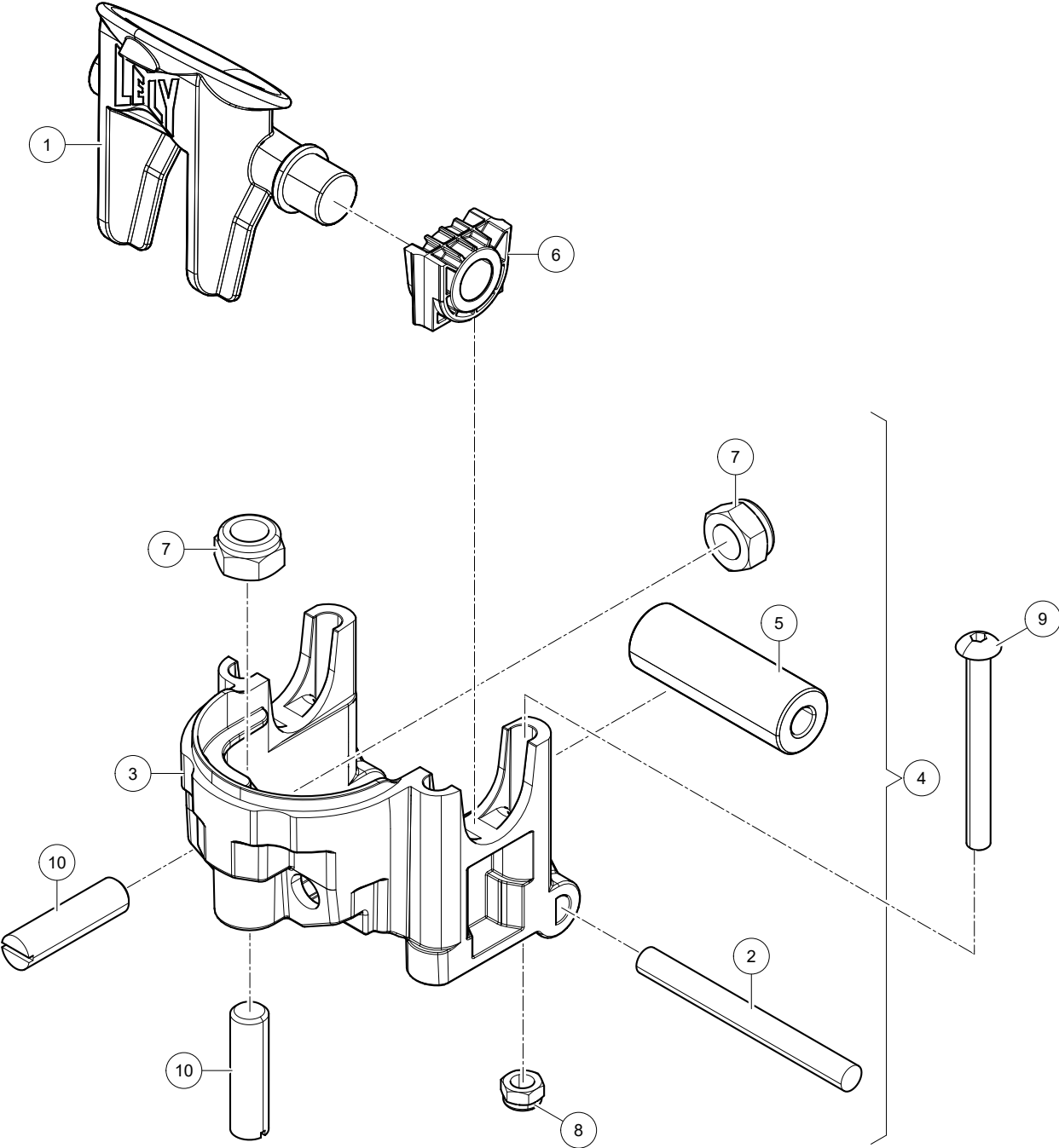


Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.0869.0	2	Shaft			
2	5.1003.1262.0	1	Locking strip			
3	5.1003.1409.0	2	Spacer bushing			
4	5.1005.5127.0	4	Divider roller			
5	5.1005.5128.0	4	Divider roller			
6	5.1005.5130.0	3	Plate			
7	5.1005.5131.0	1	Set			
8	9.1030.0020.4	5	Nut	M8 DIN985-A2-2 s/s		
9	9.1036.0039.3	2	Speed nut	M6 s/s		
10	9.1048.0050.2	6	Washer	A8.4 DIN125-A2 s/s		
11	9.1057.0092.0	2	S.h. bolt	M6x20 DIN912-A2 s/s		
12	9.1113.0351.6	1	Bolt	M8x140 DIN931-A2-2 s/s		





Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1002.0543.0	4	Teat cup sleeve			
2	5.1002.0559.0	4	Teat liner	21mm		
3	5.1003.1390.0	[R] 2	Milk collector	0.8 mm		
	5.1103.1390.0	[L] ~	Milk collector	0.8 mm		
4	5.1003.1494.0	4	Centring cup			
5	5.1004.1531.0	[R] 1	Tube	set ass.		
	5.1104.1531.0	[L] ~	Tube			
6	5.1004.5938.0	5	Bar			
7	5.1004.6056.0	4	Chain	TANGLE RESISTANT TRADE SIZE 1.8MM		
8	5.1004.6061.0	5	Adjustment bushing			
9	5.1004.6421.0	4	Bushing			
10	#####	2	Not separately			
11	5.1005.5148.0	2	Tube clamp			
12	#####	4	Not separately			
13	9.1043.0046.3	4	O-ring	37.82x1.78 NBR 70°Shore		
14	9.1048.0095.5	4	Washer	A6.4 DIN9021-A2 s/s		
15	9.1057.0101.2	8	S.h. bolt	M5x25 DIN912-A2 s/s		
16	9.1060.0051.0	4	Count.h.screw	M3x14 DIN963 s/s		
17	9.1066.0143.0	8	Hose clamp Clic R			
18	9.1129.0273.0	4	Hose pillar			
19	#####	1	Not separately			

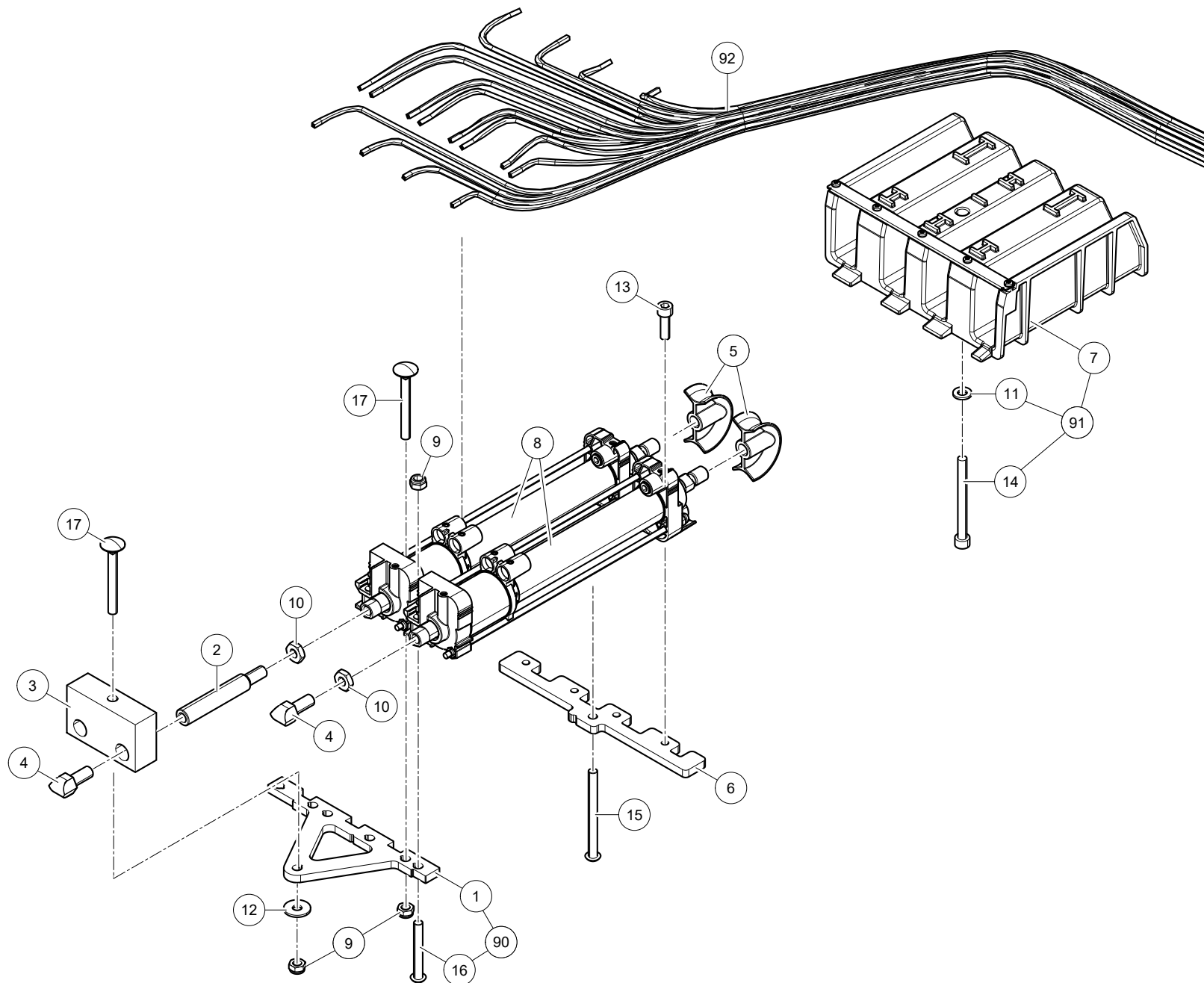




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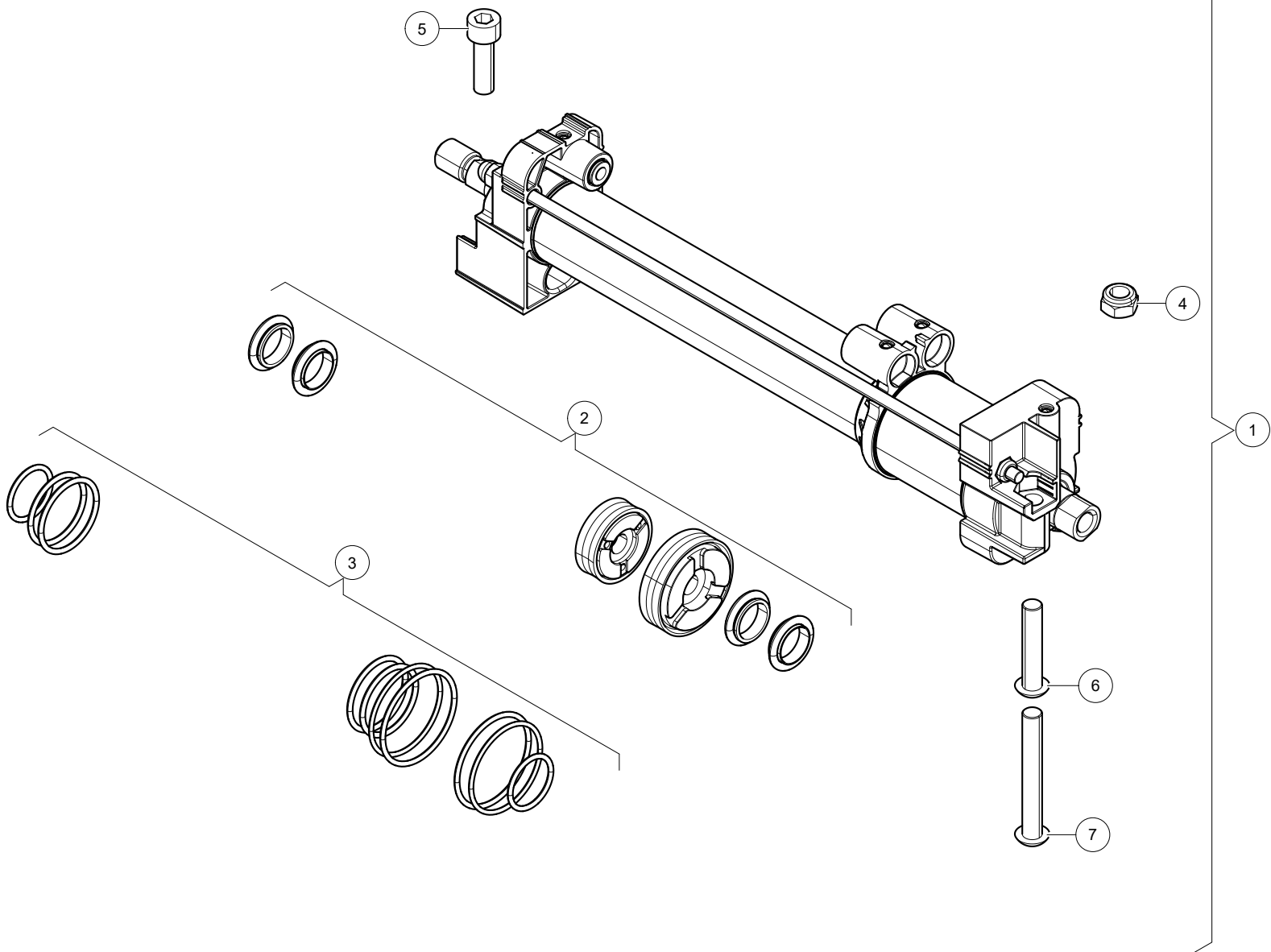
Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.1430.0	4	Tilting cup			
2	5.1003.1461.0	4	Shaft			
3	5.1005.5152.0	4	Housing	Tiltingcup housing		
4	5.1005.5327.0	4	Housing			
5	5.1005.5592.0	4	Roller	TILTINGCUP		
6	5.1005.5952.0	8	Bearing	Tiltingcup bearing		
7	9.1030.0020.4	8	Nut	M8 DIN985-A2-2 s/s		
8	9.1030.0035.5	16	Nut	M5 DIN985-A2-2 s/s		
9	9.1057.0487.0	16	Screw			
10	9.1063.0025.4	8	Adj.screw	M8x30		







Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.1043.0	1	Plate			
2	5.1003.1387.0	2	Shaft			
3	5.1003.1388.0	1	Block			
4	5.1003.1447.0	4	Compression piece			
5	5.1003.1479.0	4	Cord tensioner			
6	5.1004.6994.0	1	Plate			
7	#####	1	Not separately			
8	#####	4	Not separately			(see page 84)
9	9.1030.0021.5	7	Nut	M6 DIN985-A2-2 s/s		
10	9.1034.0011.5	4	Nut	M8x1.25 DIN439 s/s		
11	9.1048.0090.0	1	Washer	A6.4 DIN125-A2 s/s		
12	9.1048.0095.5	1	Washer	A6.4 DIN9021-A2 s/s		
13	9.1057.0092.0	4	S.h. bolt	M6x20 DIN912-A2 s/s		
14	9.1057.0162.0	1	S.h. bolt	M6x65 DIN912-A2 s/s		
15	9.1057.0470.0	1	Low head screw	M6x70 ISO7380-1 A2-70 s/s		
16	9.1057.0479.0	4	Button head screw	M6x45 ISO7380-1-A2-70 S/S		
17	9.1058.0058.0	3	Coach bolt	M6x55 DIN603-A2 s/s		
90	5.1005.5423.0	1	Set	Mounting Cord Cylinders Thick Strip		
91	5.1005.3895.0	1	Set	Spare Cord Guidance with Fasteners		
92	9.1138.0062.3	16	Tube	4mm PA black		

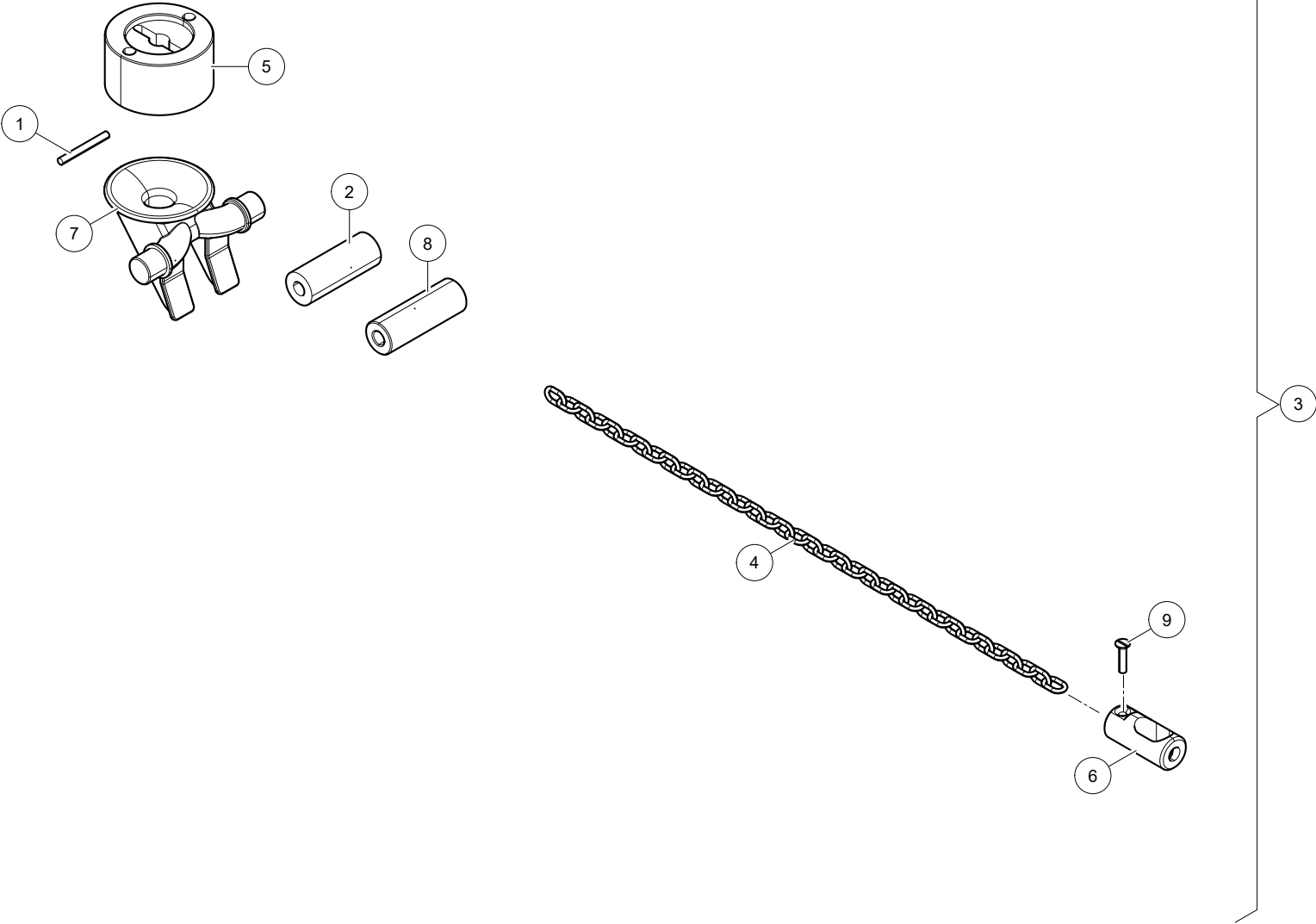


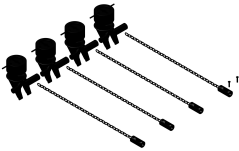


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Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.5071.0	1	Set			
2	5.1005.5643.0	1	Set			
3	5.1005.5644.0	1	Set			
4	9.1030.0021.5	1	Nut	M6 DIN985-A2-2 s/s		
5	9.1057.0092.0	1	S.h. bolt	M6x20 DIN912-A2 s/s		
6	9.1057.0450.0	1	Button head screw	M6x30 ISO7380-1 A2-70 S/S		
7	9.1057.0479.0	1	Button head screw	M6x45 ISO7380-1-A2-70 S/S		



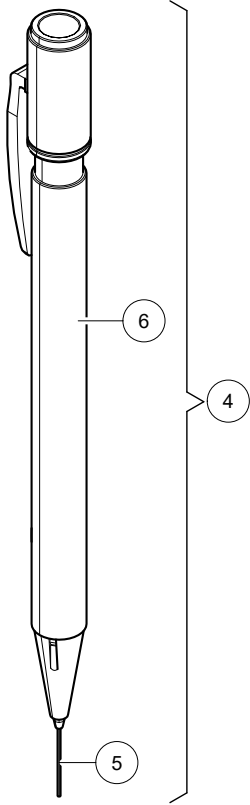
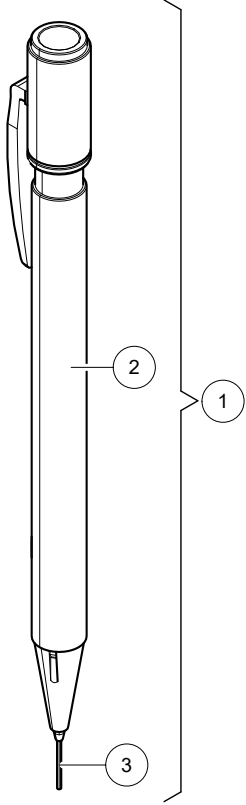




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.5938.0	5	Bar			
2	5.1004.5939.0	4	Guidance			
3	5.1004.6054.0	1	Set			
4	5.1004.6056.0	4	Chain	TANGLE RESISTANT TRADE SIZE 1.8MM		
5	5.1004.6061.0	4	Adjustment bushing			
6	5.1004.6421.0	4	Bushing			
7	5.1004.6629.0	4	Swivel			
8	5.1005.5656.0	4	Guidance	CHAIN		
9	9.1060.0051.0	6	Count.h.screw	M3x14 DIN963 s/s		



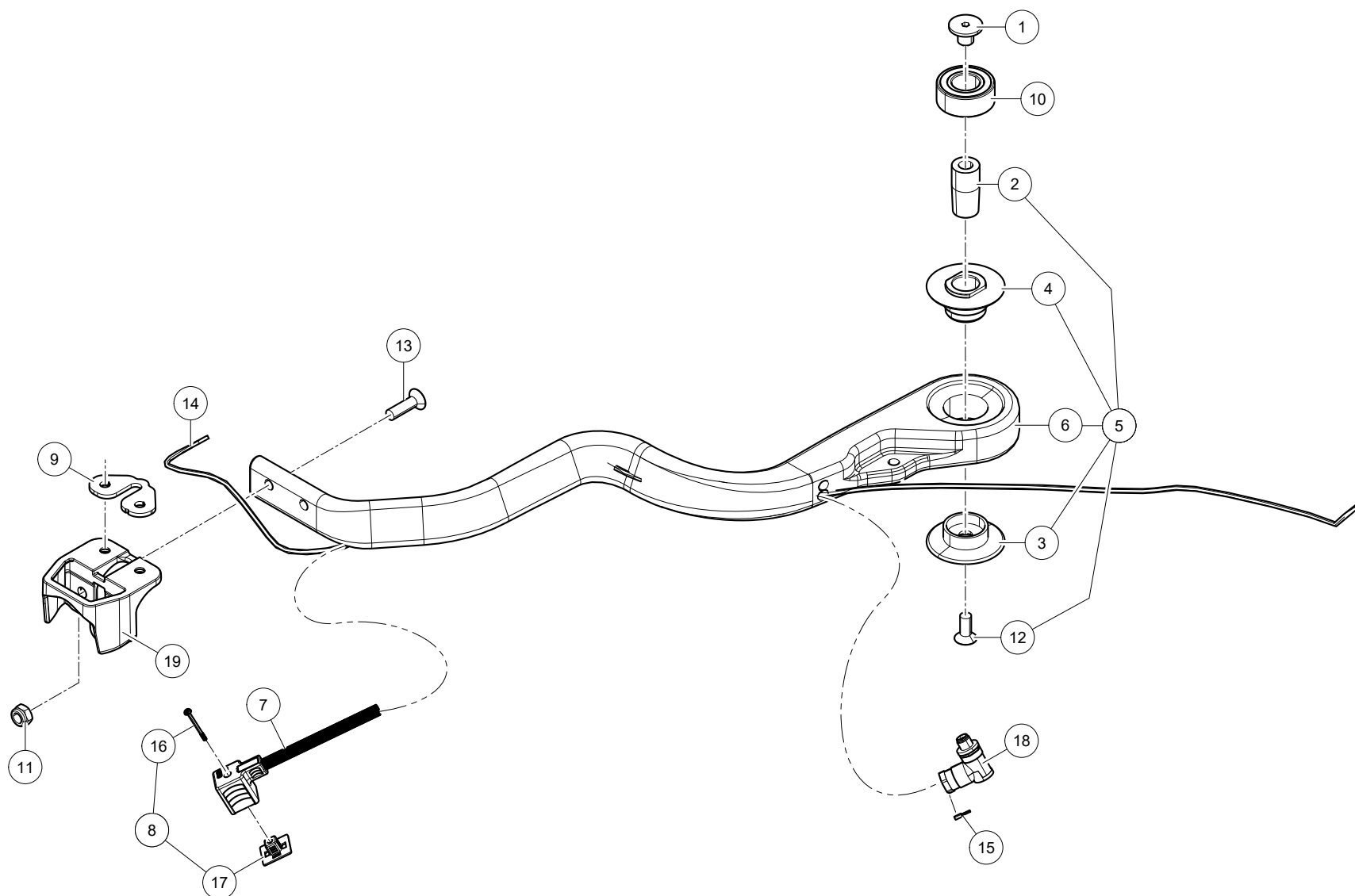




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Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1080.0800.0	1	Tool	0.7 mm		
2	#####	1				
3	#####	1				
4	5.1080.0811.0	1	Tool	0.5 mm		
5	#####	1	Not separately			
6	#####	1	Not separately			







Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.0999.0	1	Screw			
2	5.1003.1004.0	1	Pivot pin			
3	5.1003.2164.0	1	Clamping piece			
4	5.1003.2165.0	1	Compression piece			
5	5.1005.3971.0	1	Arm			
	5.1105.3971.0	~	Arm			
6	#####	1	Not separately			
	#####	~	Not separately			
7	5.1004.6998.0	1	Cable			
8	5.1004.6999.0	1	Kit	SCREW+SEALS: AVT 36110759		
9	#####	1	Not separately			
10	9.1005.1010.5	1	Bearing	S3205 B		
11	9.1030.0022.6	2	Nut	M10 DIN985-A2-2 s/s		
12	9.1057.0331.1	1	Screw	M10x25 DIN7991-A2 s/s		
13	9.1057.0342.5	2	Screw	M10x35 DIN7991-A2 s/s		
14	9.1138.0062.3	1	Tube	4mm PA black		
15	9.1186.0019.1	4	Cable core	0.75mm ²		
16	9.1186.1029.0	1	Screw	GDM 3011 RF-1		
17	#####	1	Not separately			
18	9.1186.1064.0	1	Connector	SACC-M12MRT-4CON-PG11-M		
19	5.1004.6959.0	1	Bracket			

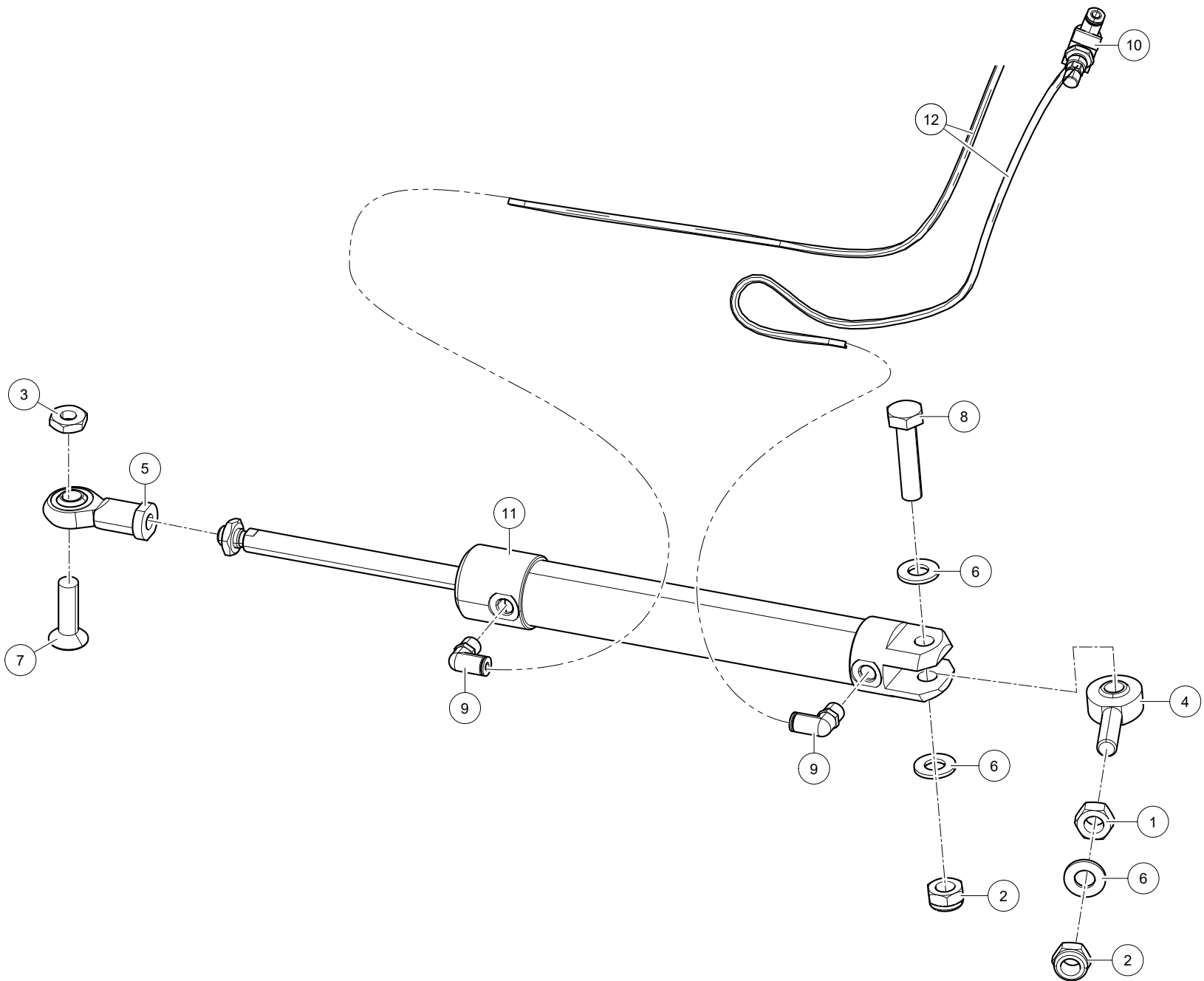




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.0999.0	1	Screw			
2	5.1003.1004.0	1	Pivot pin			
3	5.1003.2164.0	1	Clamping piece			
4	5.1003.2165.0	1	Compression piece			
5	#####	[R] 1	Not separately			
	#####	[L] ~	Not separately			
6	5.1005.3947.0	1	Cable	Brush Unit		
7	5.1005.3971.0	[R] 1	Arm			
	5.1105.3971.0	[L] ~	Arm			
8	9.1005.1010.5	1	Bearing	S3205 B		
9	9.1030.0022.6	2	Nut	M10 DIN985-A2-2 s/s		
10	9.1057.0331.1	1	Screw	M10x25 DIN7991-A2 s/s		
11	9.1057.0342.5	2	Screw	M10x35 DIN7991-A2 s/s		
12	#####	1	Not separately			
13	9.1190.2260.0	1	Connector	SACC-M12MRT-4CON-PG 9-M		



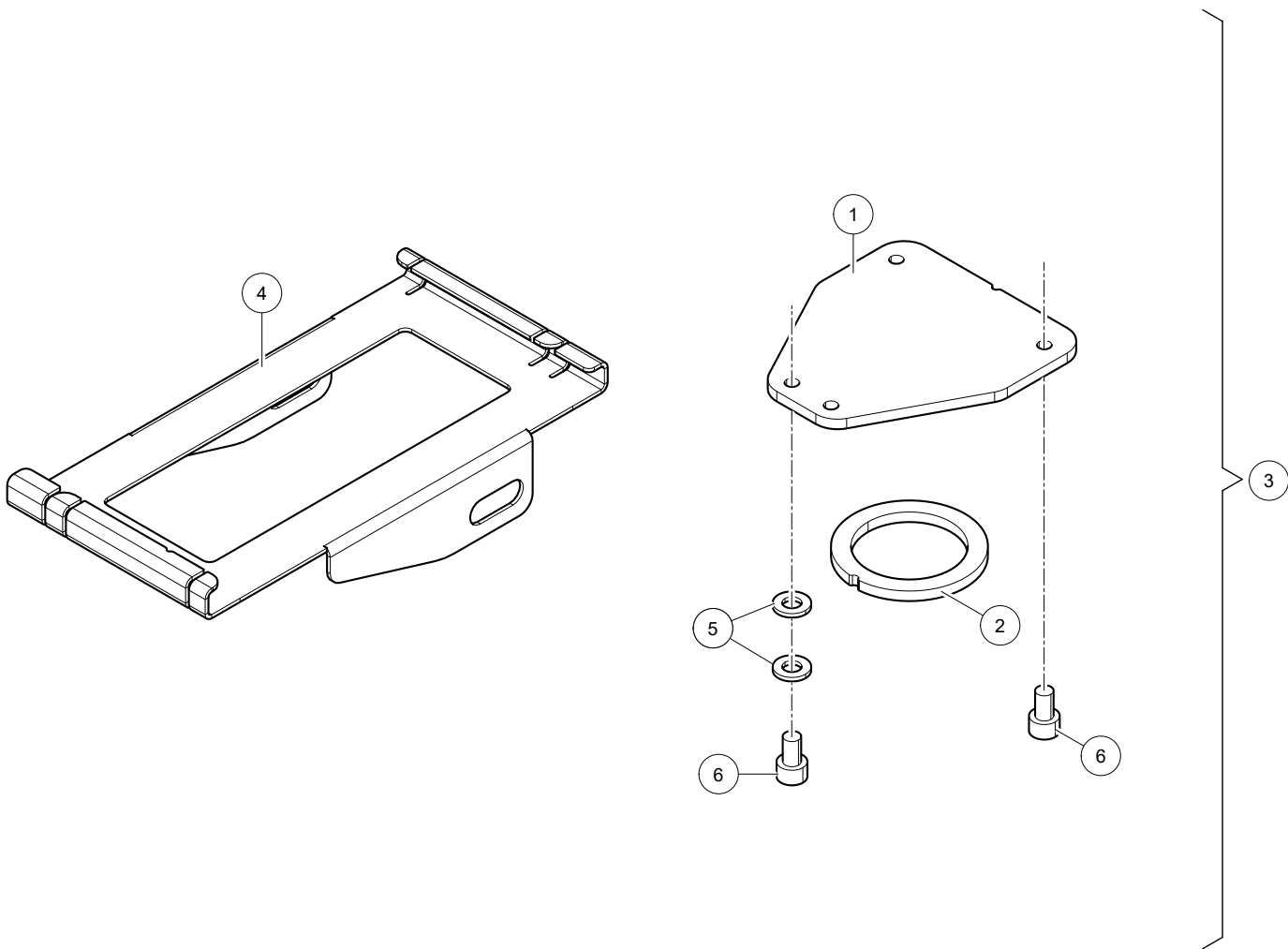




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	9.1029.0028.6	1	Nut	M10 DIN934 A2-2 s/s		
2	9.1030.0022.6	2	Nut	M10 DIN985-A2-2 s/s		
3	9.1034.0017.4	1	Nut	Low BM10 DIN439-A2s/s		
4	9.1038.0043.5	1	Ball head			
5	9.1038.0044.6	1	Ball head			
6	9.1048.0051.3	3	Washer	A10.5 DIN125-A2 s/s		
7	9.1057.0342.5	1	Screw	M10x35 DIN7991-A2 s/s		
8	9.1113.0348.3	1	Bolt	M10x45 DIN931-A2-2 s/s		
9	9.1138.0089.2	2	Plug-in coupling	1/8"x4mm (└┐)		
10	9.1138.0188.3	1	Pressure reducer	4-4mm		
11	9.1138.1073.0	1	Cylinder	Cleaning arm		
12	9.1138.0062.3	1	Tube	4mm PA black		



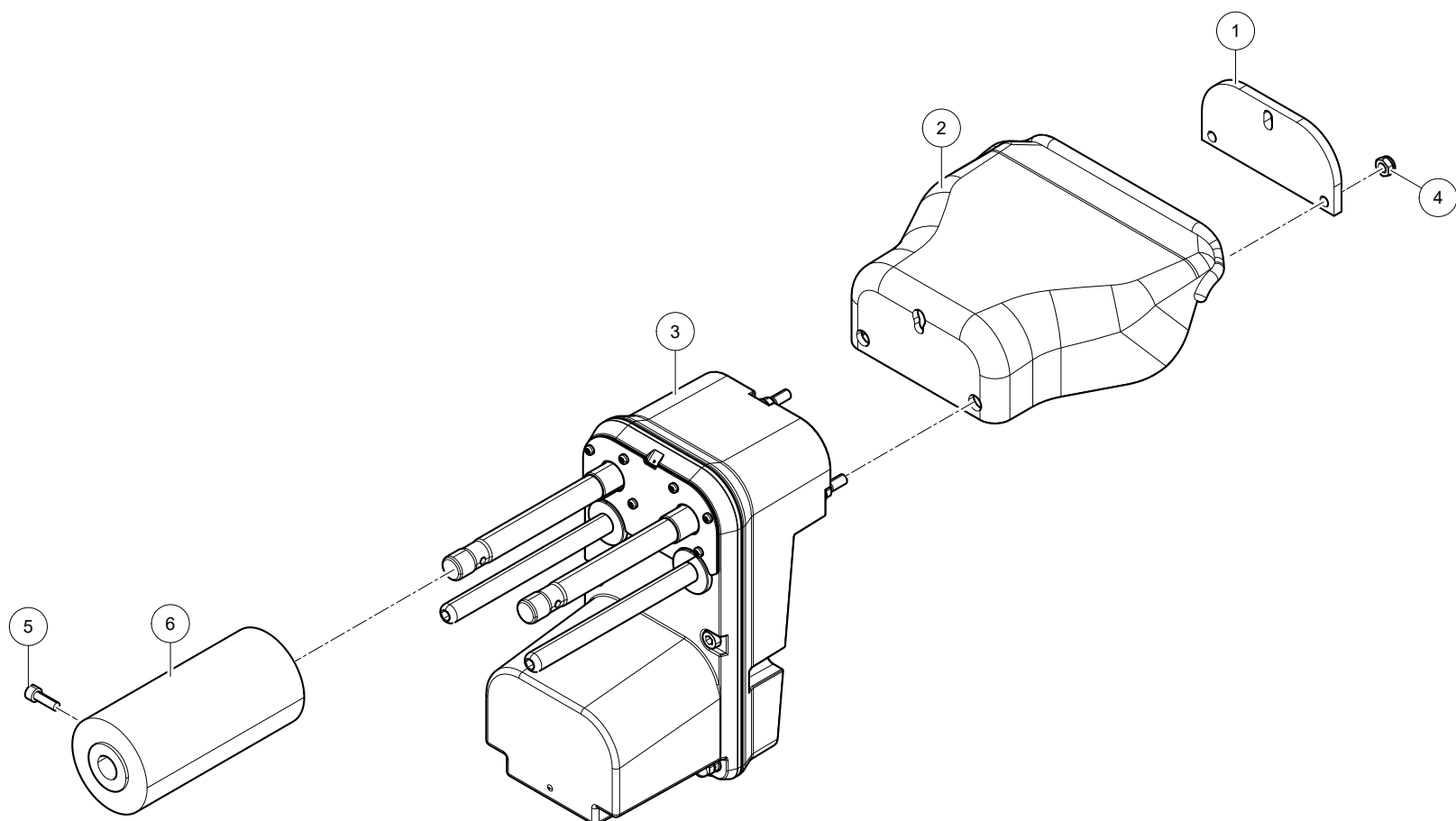




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.7017.0	1	Plate			
2	5.1004.7018.0	1	Ring			
3	5.1004.7019.0	1	Set	A3/A4/A5 Clamping bearing cleaning arm		
4	5.1004.7020.0	1	Plate			
5	9.1048.0090.0	4	Washer	A6.4 DIN125-A2 s/s		
6	9.1057.0057.0	4	S.h. bolt	M6x10 DIN912-A2-2 s/s		



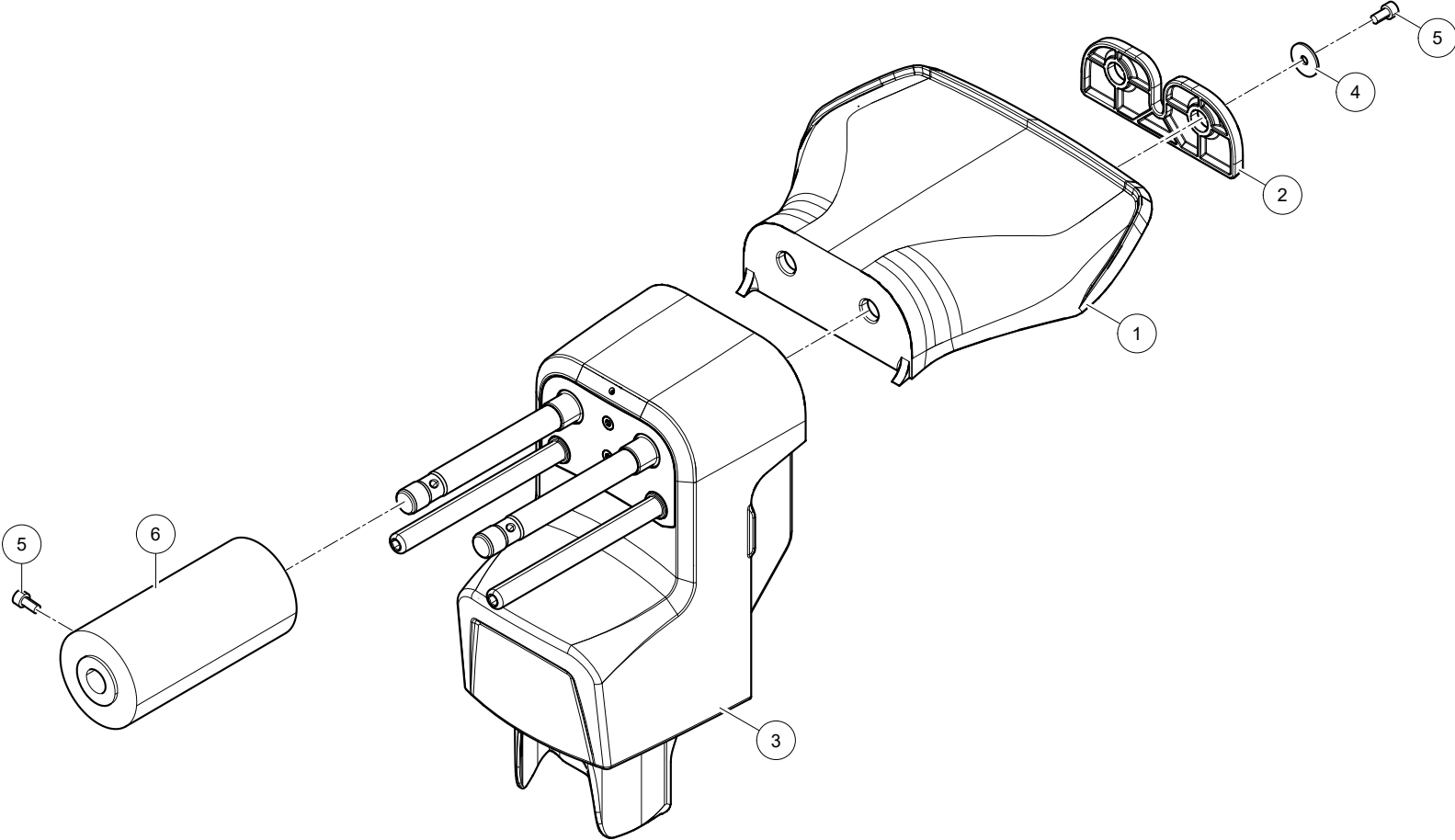




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.0441.0	1	Plate			
2	5.1004.1333.0	1	Cover			
3	#####	1	Not separately			(see page 102)
4	9.1030.0021.5	3	Nut	M6 DIN985-A2-2 s/s		
5	9.1057.0066.2	2	S.h. bolt	M5x16 DIN912-A2 s/s		
6	5.1004.1446.0	1	Cleaning brush set	2x 5.1004.1437.0		



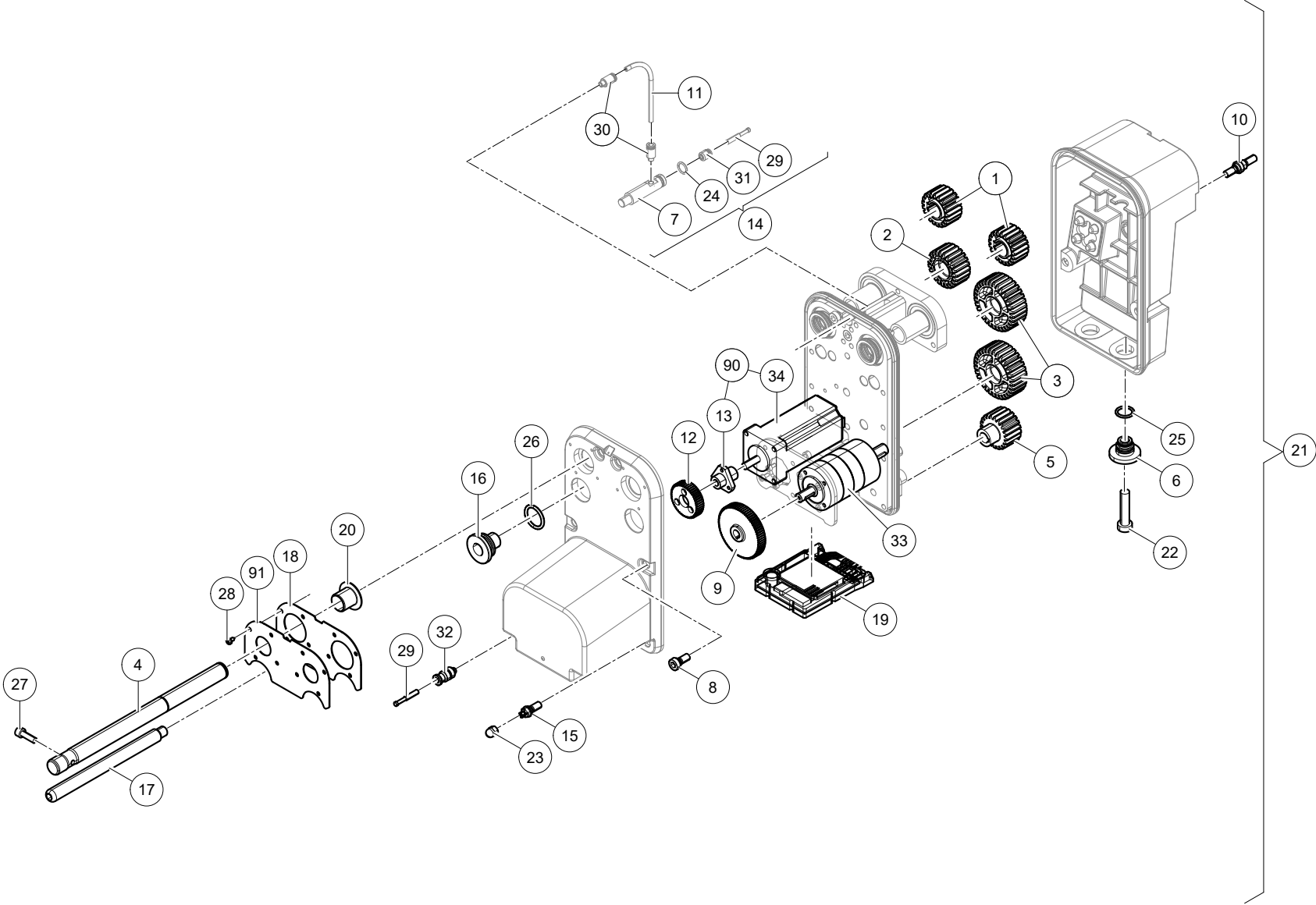




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

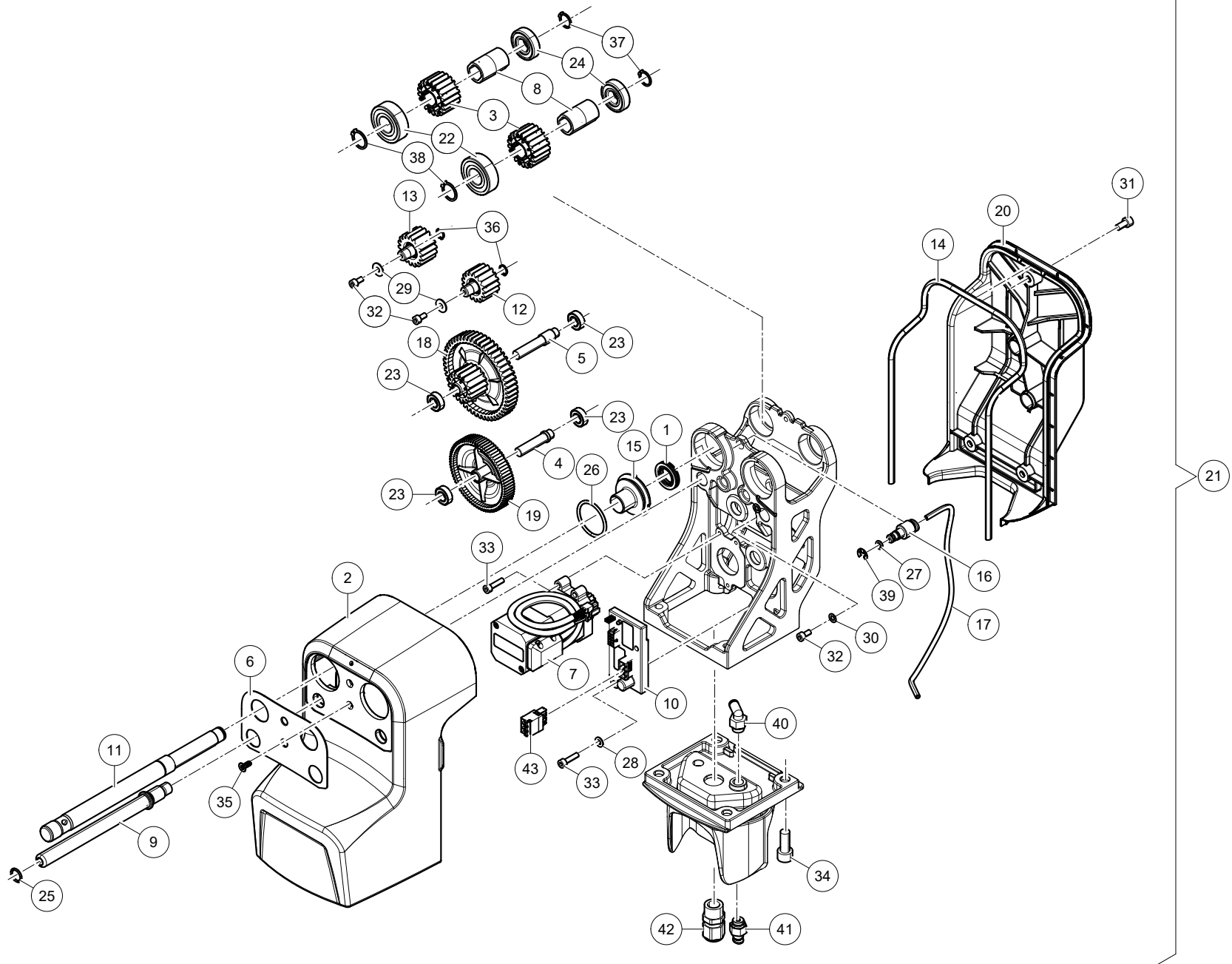
Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.3918.0	1	Cover			
2	5.1005.3928.0	1	Plate			
3	5.1005.3975.0	1	Brush unit			(see page 104)
4	9.1048.1013.0	2	Washer	5.3 x 20 x 1.5 DIN522, S/S-A2		
5	9.1057.0053.3	4	S.h. bolt	M5x10 DIN912 s/s		
6	5.1004.1446.0	1	Cleaning brush set	2x 5.1004.1437.0		

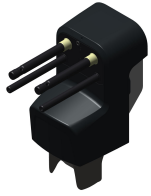






Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1003.1399.0	2	Gear	Z=21		
2	5.1003.1427.0	1	Gear	Z=23		
3	5.1003.1451.0	2	Gear	Z=32		
4	5.1003.1453.0	2	Shaft			
5	5.1004.0284.0	1	Gear			
6	5.1004.0316.0	2	Bush			
7	#####	1	Not separately			
8	5.1004.0412.0	3	Screw			
9	5.1004.0432.0	1	Gear			
10	5.1004.0442.0	3	Bolt			
11	#####	1	Not separately			
12	5.1004.1429.0	1	Gear			
13	5.1004.5128.0	1	Flange			
14	5.1004.6533.0	1	Coupling piece			
15	5.1004.6579.0	1	Bolt			
16	5.1004.6633.0	2	Bushing			
17	5.1004.6634.0	2	Rod			
18	5.1004.6689.0	1	Plate			
19	#####	1	Not separately			
20	5.1004.7212.0	2	Slide bearing			
21	#####	1	Not separately			(see page 108)
22	5.1005.5272.0	2	Socket head screw			
23	9.1036.0056.5	1	Cap nut	M5 DIN1587-A2 s/s		
24	#####	1	Not separately	9x1,5 Viton		
25	9.1043.0263.0	2	O-ring	13x2 FKM GREEN A&P 11.2017.0728		
26	9.1043.0270.0	2	O-ring	18.72x2.62 VITON 75° SHORE A		
27	9.1057.0066.2	2	S.h. bolt	M5x16 DIN912-A2 s/s		
28	9.1064.0135.1	8	Screw	2.9x6.5 ISO14585-A2 s/s		
29	9.1138.0066.0	2	Plug	4mm		
30	9.1138.0074.1	1	Plug-in coupling	M5x4mm ()		
31	9.1138.0362.1	1	Coupling	4mm long		
32	9.1138.1067.0	1	Coupling	S/S FESTO 132328		
33	9.1184.0036.6	1	Planetair reduction	PLE40-OP1		
34	#####	1	Not separately			
90	5.1004.5184.0	1	Motor			
91	5.1005.0890.0	1	Plate			





Lely Astronaut A5

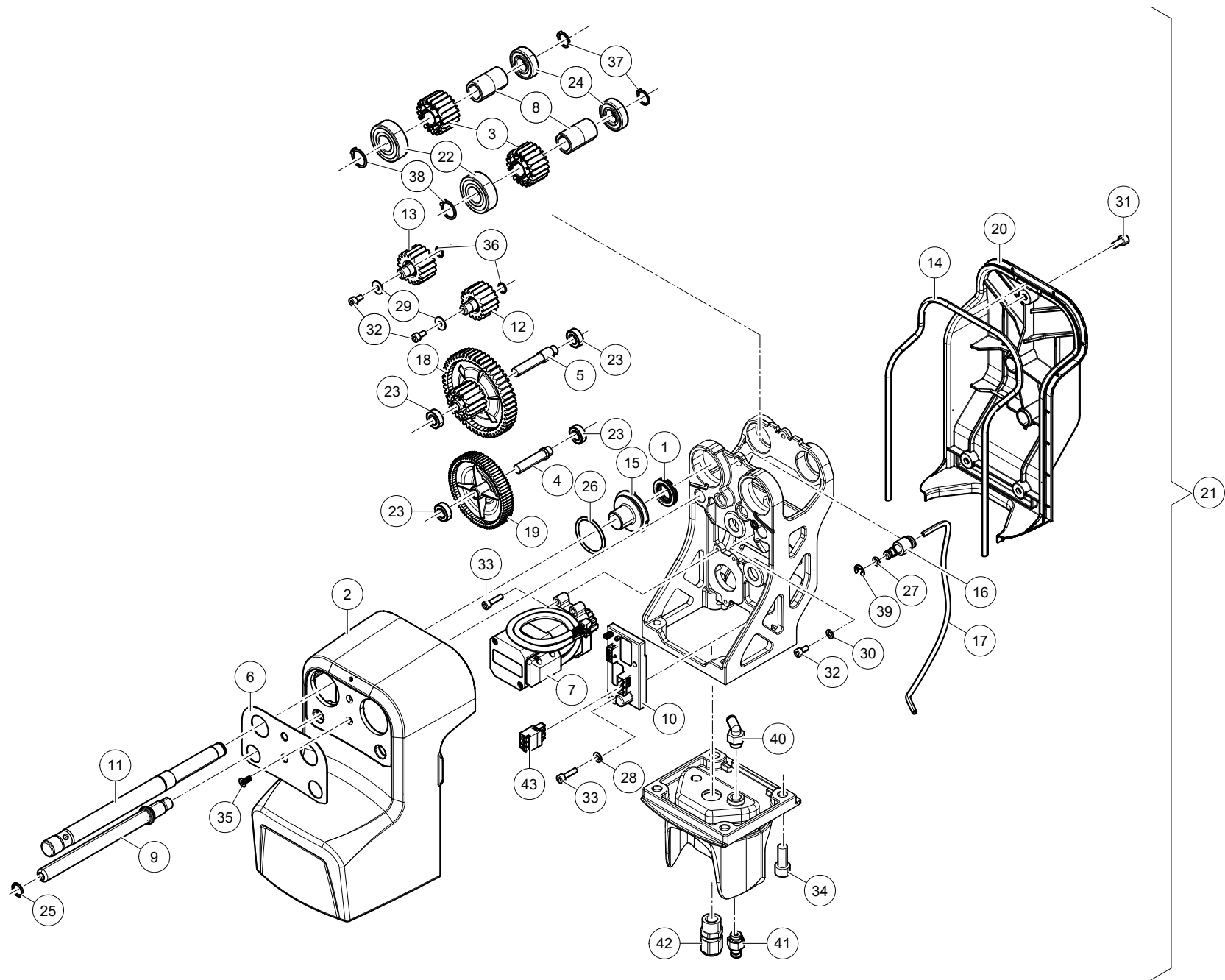
Robot Arm

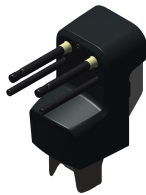
5.1X05.00XX-X

0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1005.3962.0	1	Seal kit	Set of two		
2	5.1005.3904.0	1	Housing			
3	5.1005.3910.0	2	Gear			
4	#####	1	Not separately			
5	#####	1	Not separately			
6	#####	1	Not separately			
7	5.1005.3921.0	1	Motor			
8	#####	2	Not separately			
9	5.1005.3927.0	2	Rod			
10	5.1005.3929.0	1	Pcb			
11	5.1005.3930.0	2	Shaft			
12	5.1005.3933.0	1	Gear			
13	5.1005.3934.0	1	Gear			
14	5.1005.3936.0	1	O-ring	O-Ring n5mm, L=551mm		
15	5.1005.3937.0	2	Bushing			
16	5.1005.3941.0	1	Coupling			
17	#####	1	Not separately			
18	5.1005.3945.0	1	Gear			
19	5.1005.3946.0	1	Gear			
20	5.1005.3959.0	1	Housing			
21	5.1005.3975.0	1	Brush unit			
22	9.1001.0179.0	2	Bearing	W 6202-2RS1 S/S		
23	9.1001.0182.0	4	Bearing			
24	9.1001.0183.0	2	Bearing			
25	#####	2	Not separately			
26	9.1043.0354.0	2	O-ring	30 x 2.5 SILICON 70° SHORE A		
27	9.1043.0359.0	1	O-ring			
28	9.1048.0089.6	2	Washer	A4.3 DIN125-A2 s/s		
29	9.1048.1012.0	2	Washer	4.3 x 12 x 1 DIN522, S/S-A2		
30	#####	1	Not separately	DIN6798		
31	9.1057.0053.3	3	S.h. bolt	M5x10 DIN912 s/s		
32	9.1057.0059.2	3	S.h. bolt	M4x8 DIN912-A2 s/s		
33	9.1057.0084.6	5	S.h. bolt	M4x16 DIN912-A2 s/s		
34	9.1057.0209.0	4	Socket head screw	M8 x 20 DIN912-A2 S/S		
35	9.1064.0199.0	2	Screw	WN1423 4x10		
36	9.1119.0032.4	2	Retaining ring	8x0.80 DIN471		

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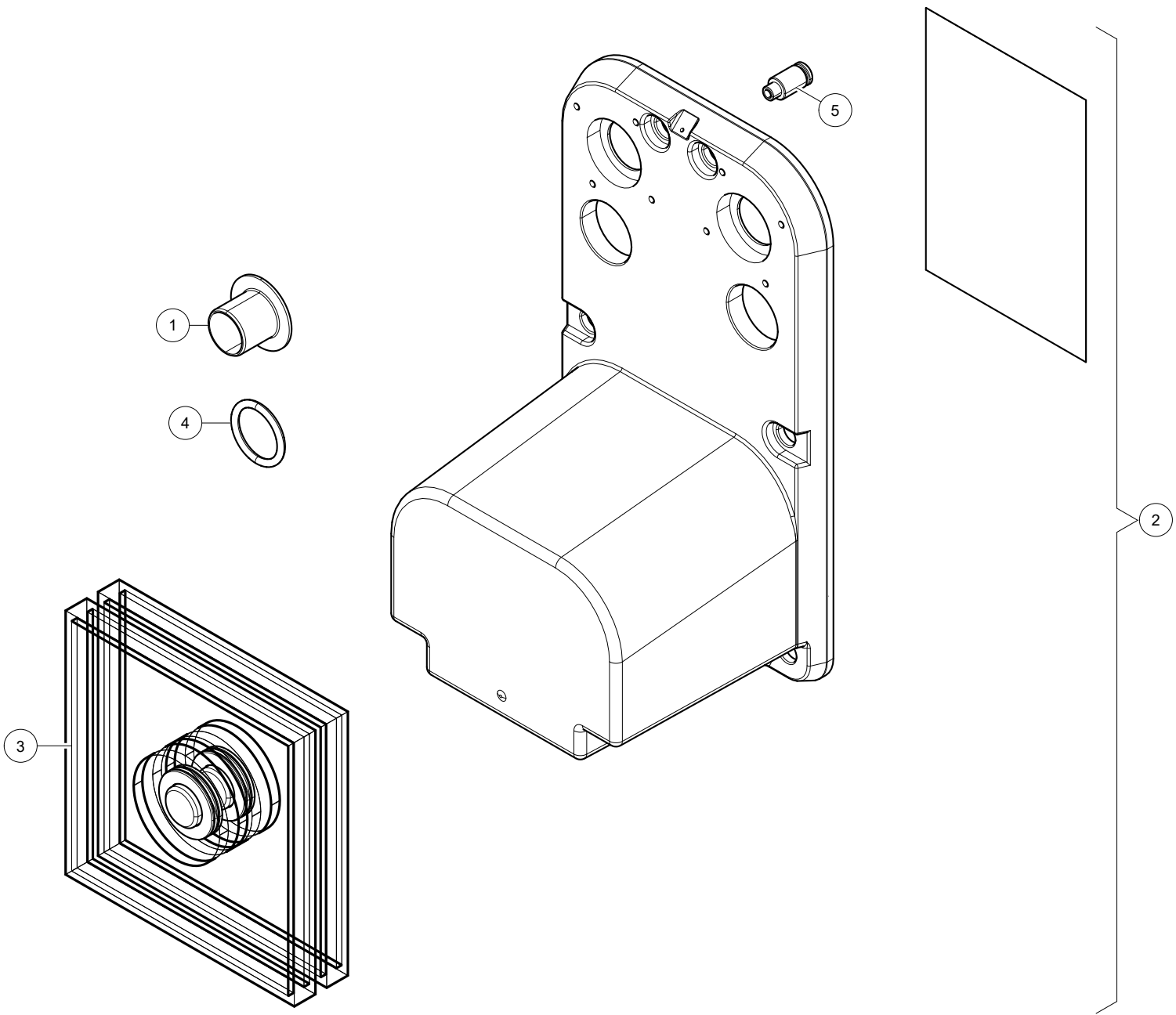


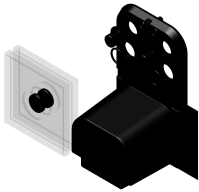


Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
37	9.1119.0034.6	2	Retaining ring	12x1,00 DIN471 s/s		
38	9.1119.0049.0	2	Retaining ring	15x1,00 DIN471 s/s		
39	9.1119.0071.0	1	Clip	DIN6799 groove 5mm		
40	9.1138.1083.0	1	Push-pull nipple	MINI, G1/8"x 4 O-RING SEAL		
41	9.1138.1279.0	2	Coupling	G1/8" 4mm AISI304/PP/EPDM		
42	9.1186.0246.4	1	Cable gland			
43	9.1190.0328.0	1	Connector	FKCN 2,5/ 3-ST-5,08		



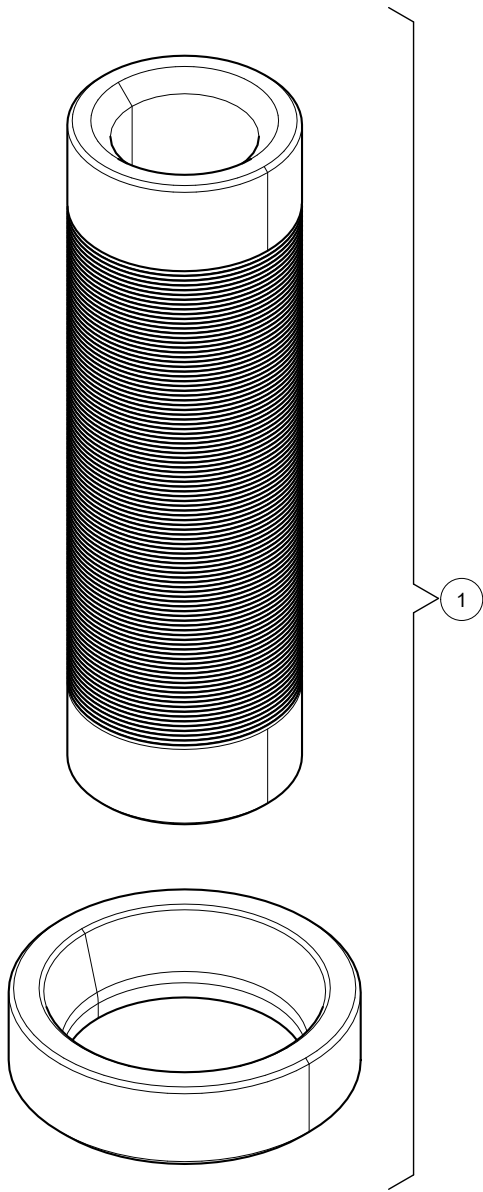




Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.1004.7212.0	2	Slide bearing			
2	5.1004.7307.0	1	Housing			
3	5.1005.3962.0	1	Seal kit	Set of two		
4	9.1043.0270.0	2	O-ring	18.72x2.62 VITON 75° SHORE A		
5	9.1138.0074.1	1	Plug-in coupling	M5x4mm ()		







Lely Astronaut A5 Robot Arm 5.1X05.00XX-X 0003242094

Ref.	Part No	Qty.	Description	Techn. info	Criticality	Remark
1	5.9000.1325.0	1	Tool			





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