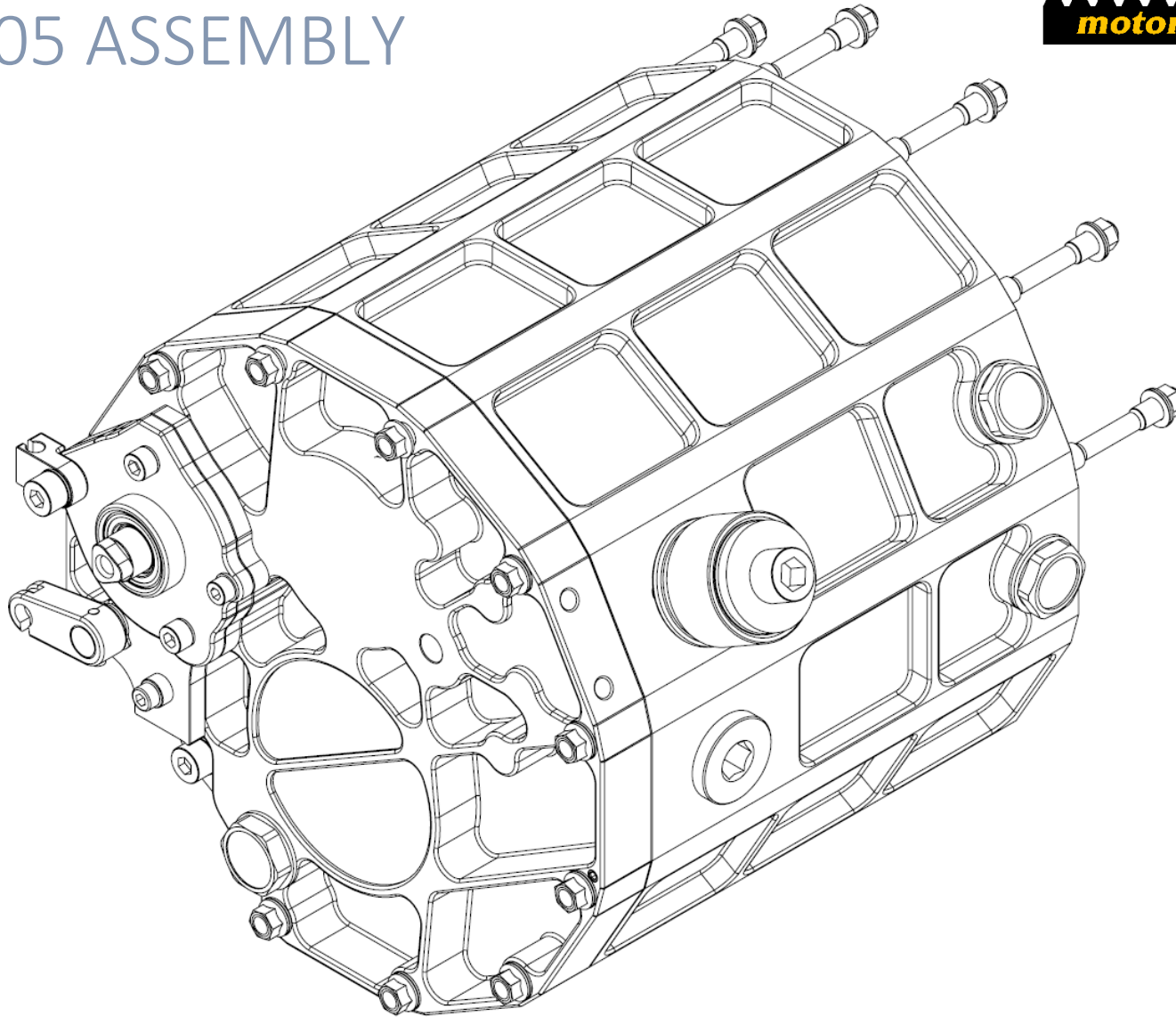


SD905 ASSEMBLY

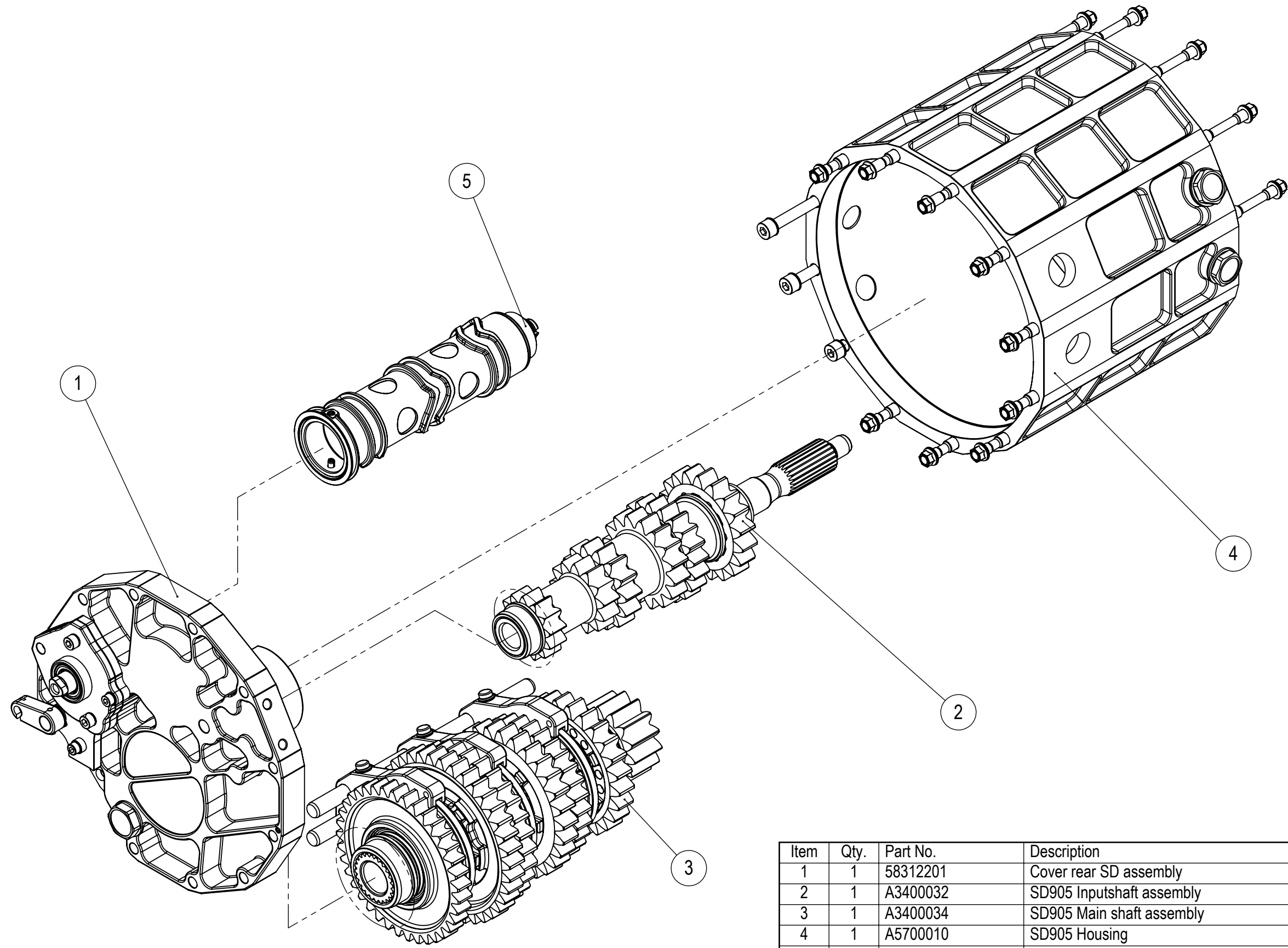




SD 905

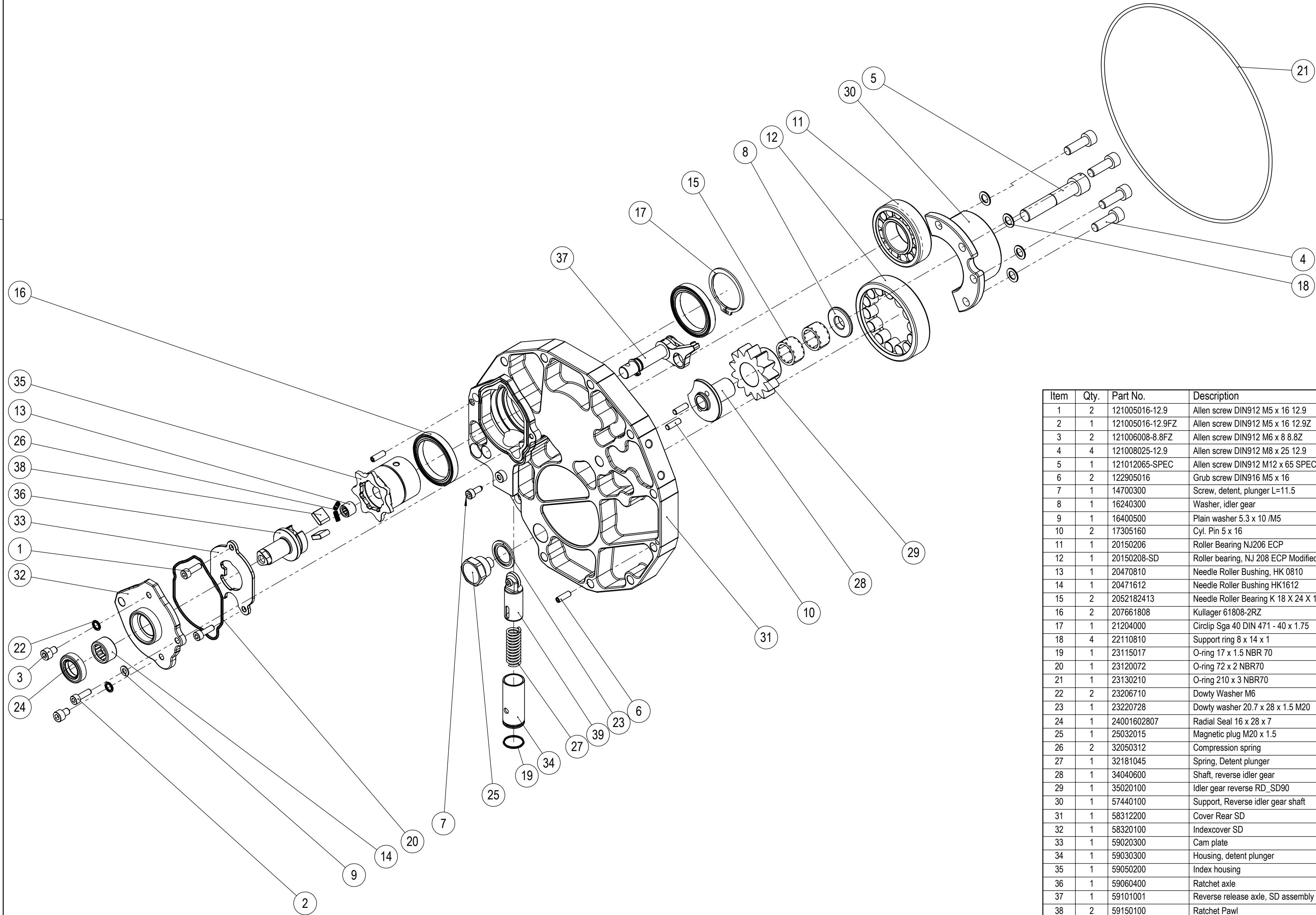
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5. Reverse release axle, SD assembly (Drawing no. 59101001)
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7. SD905 Inputshaft assembly (Drawing no. A3400032)
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Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-30	JG	JG

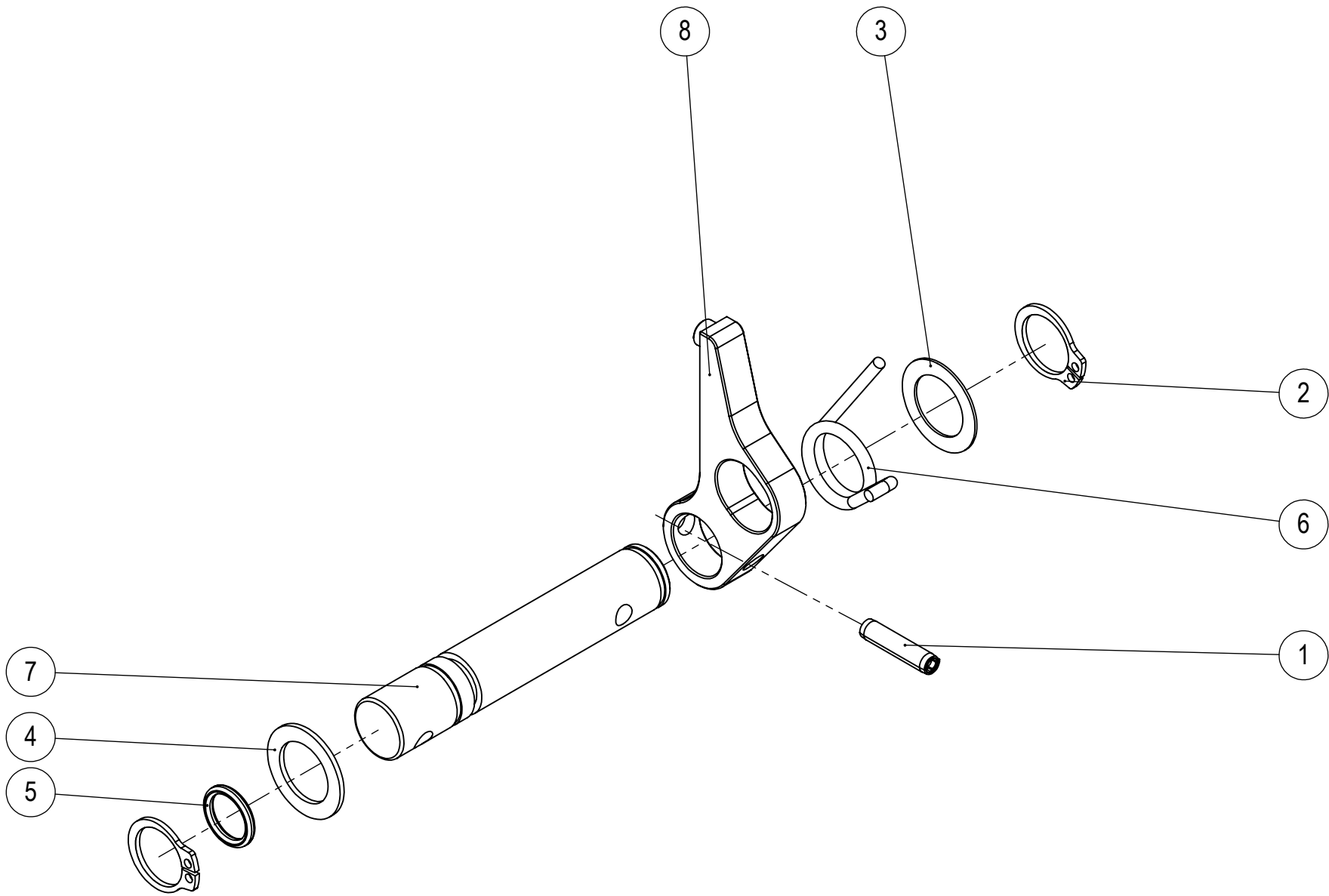
Item	Qty.	Part No.	Description	Note			
1	1	58312201	Cover rear SD assembly				
2	1	A3400032	SD905 Inputshaft assembly				
3	1	A3400034	SD905 Main shaft assembly				
4	1	A5700010	SD905 Housing				
5	1	A5900005	SD905 Selectorbarrel assembly				
Material			Description SD 905 assembly				
Geometric Tolerance		Sheet 1/1	Mass in Gram 20819	Dim.in mm			
TRACTIVE			Date 2018-01-30	Proj 	Part Number A5700022	Revision A	
			Drawn by JT	Designed by JT			Scale 1:3



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-08	JG	JG

Item	Qty.	Part No.	Description	Note
1	2	121005016-12.9	Allen screw DIN912 M5 x 16 12.9	
2	1	121005016-12.9FZ	Allen screw DIN912 M5 x 16 12.9Z	
3	2	121006008-8.8FZ	Allen screw DIN912 M6 x 8 8.8Z	
4	4	121008025-12.9	Allen screw DIN912 M8 x 25 12.9	
5	1	121012065-SPEC	Allen screw DIN912 M12 x 65 SPEC	
6	2	122905016	Grub screw DIN916 M5 x 16	
7	1	14700300	Screw, detent, plunger L=11.5	
8	1	16240300	Washer, idler gear	
9	1	16400500	Plain washer 5.3 x 10 /M5	
10	2	17305160	Cyl. Pin 5 x 16	
11	1	20150206	Roller Bearing NJ206 ECP	
12	1	20150208-SD	Roller bearing, NJ 208 ECP Modified	
13	1	20470810	Needle Roller Bushing, HK 0810	
14	1	20471612	Needle Roller Bushing HK1612	
15	2	2052182413	Needle Roller Bearing K 18 X 24 X 13	
16	2	207661808	Kullager 61808-2RZ	
17	1	21204000	Circlip Sga 40 DIN 471 - 40 x 1.75	DIN 471 - 40 x 1.75
18	4	22110810	Support ring 8 x 14 x 1	
19	1	23115017	O-ring 17 x 1.5 NBR 70	
20	1	23120072	O-ring 72 x 2 NBR70	
21	1	23130210	O-ring 210 x 3 NBR70	
22	2	23206710	Dowty Washer M6	
23	1	23220728	Dowty washer 20.7 x 28 x 1.5 M20	
24	1	24001602807	Radial Seal 16 x 28 x 7	
25	1	25032015	Magnetic plug M20 x 1.5	
26	2	32050312	Compression spring	
27	1	32181045	Spring, Detent plunger	Standard
28	1	34040600	Shaft, reverse idler gear	
29	1	35020100	Idler gear reverse RD_SD90	
30	1	57440100	Support, Reverse idler gear shaft	
31	1	58312200	Cover Rear SD	
32	1	58320100	Indexcover SD	
33	1	59020300	Cam plate	
34	1	59030300	Housing, detent plunger	
35	1	59050200	Index housing	
36	1	59060400	Ratchet axle	
37	1	59101001	Reverse release axle, SD assembly	
38	2	59150100	Ratchet Pawl	
39	1	59210201	Detent Plunger	

Material		Description		Note	
Geometric Tolerance		Sheet	1/1	Mass in Gram	3183
Date		2017-12-27	Proj	Dim.in mm	
Drawn by		JT	Designed by	Part Number	58312201
Scale		1:2.5	Revision	A	



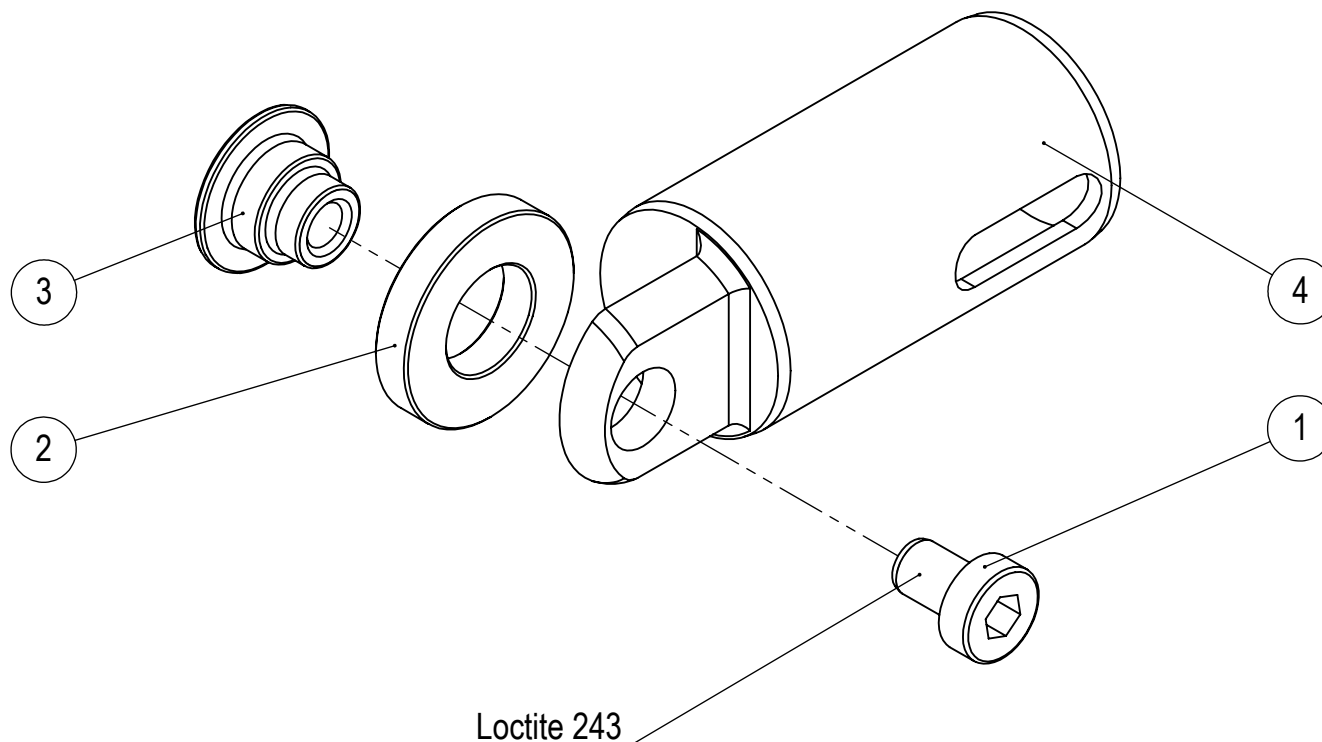
Item	Qty.	Part No.	Description	Note
1	1	17504160	Roll pin 4 x 16	
2	2	21201200	Circlip Sga 12 DIN 471 - 12 x 1	
3	1	22111205	Support ring 12 x 18 x 0.5 Fzb	
4	1	22111210	Support ring 12 x 18 x 1	
5	1	23115009	O-ring 9 x 1.5 NBR 70	
6	1	32080500	Spring, release mech	
7	1	59101000	Reverse release axle, SD	, int spring
8	1	59150500	Pawl, barrel release mech	

Material		Description			Note	
		Reverse release axle, SD assembly				
Geometric Tolerance		Sheet	1/1	Mass in Gram	90	Dim.in mm
TRACTIVE		Date	2017-12-27	Proj		
		Drawn by	JT	Designed by		
				Scale	1:1	

Part Number		59101001	Revision	A
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Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-09	JG	JG

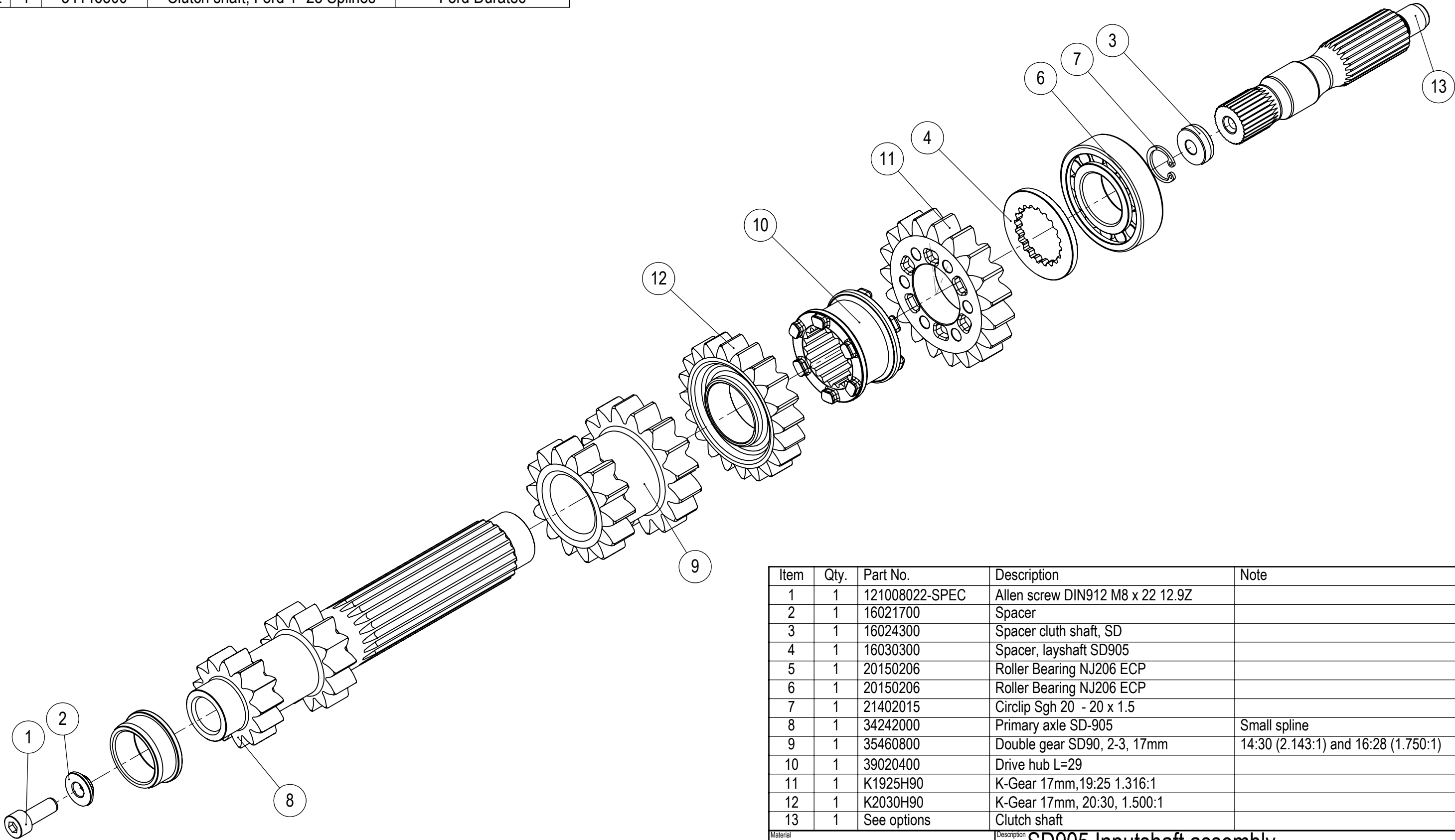


Item	Qty.	Part No.	Description	Note
1	1	121204006-8.8FZ	Allen screw DIN912 M4 x 8 8.8Z Low head	
2	1	20090100	Roller, detent plunger	
3	1	34020400	Bearing, detent roller	
4	1	59210200	Detent plunger	

Material		Description Detent Plunger		
Geometric Tolerance	Sheet 1/1	Mass in Gram 27	Dim.in mm	Note
TRACTIVE		Date 2017-12-29	Proj	Part Number
		Drawn by JT	Designed by JT	Scale 2:1
59210201				Revision A

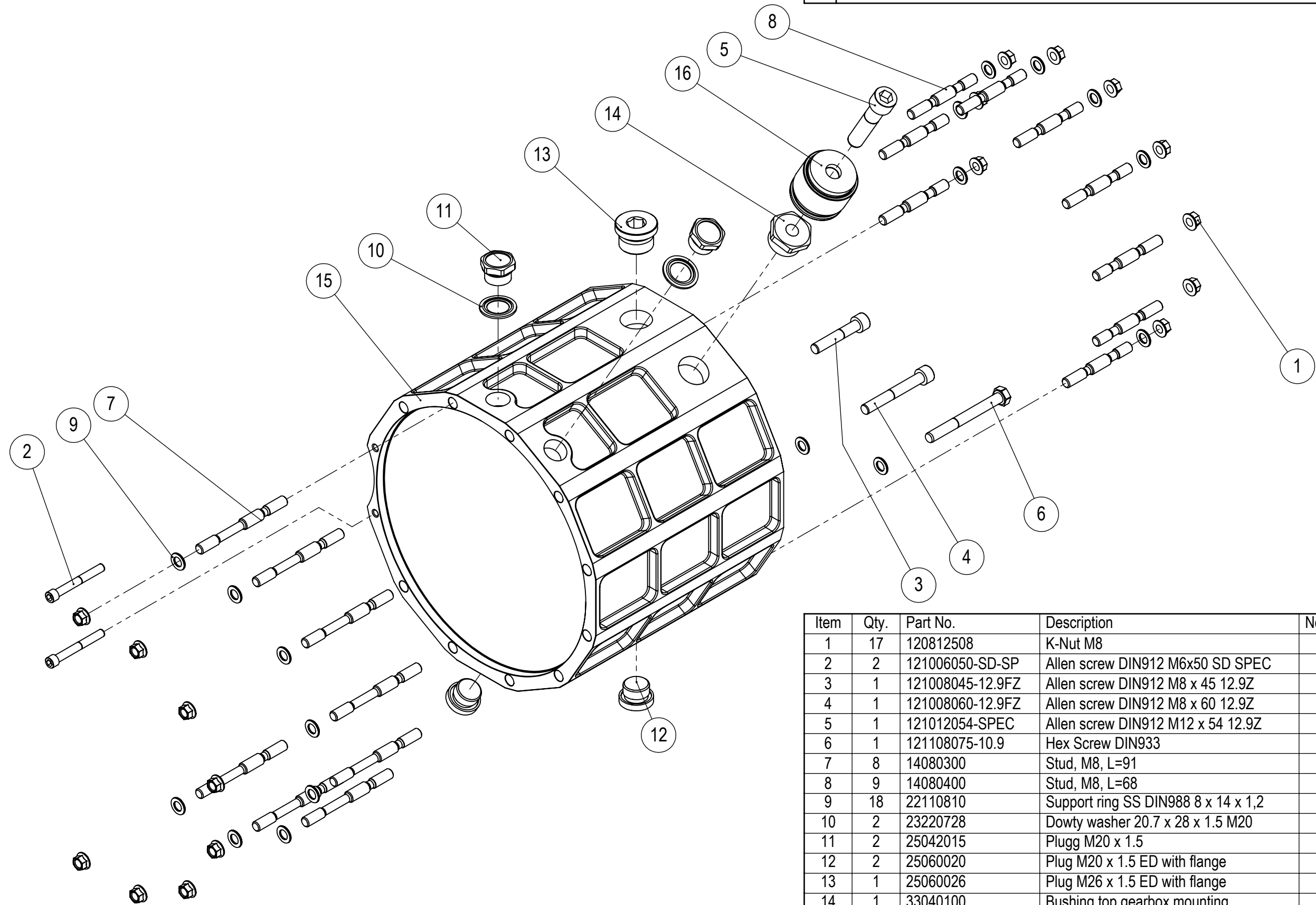
Clutch shaft options				
Item	Qty.	Part No.	Description	Note
12	1	34141200	Clutch shaft, Ford 1" 23 Splines	Toyota Corolla
12	1	34141700	Clutch shaft, Ford 1" 23 Splines	Opel Corsa
12	1	34143700	Clutch shaft, Ford 1" 23 Splines	Nissan Sunny
12	1	34144800	Clutch shaft, Ford 1" 23 Splines	VW Golf
12	1	34146400	Clutch shaft, Ford 1" 23 Splines	Toyota 4EFTE
12	1	34146500	Clutch shaft, Ford 1" 23 Splines	Ford Duratec

Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-29	JG	JG



Item	Qty.	Part No.	Description	Note
1	1	121008022-SPEC	Allen screw DIN912 M8 x 22 12.9Z	
2	1	16021700	Spacer	
3	1	16024300	Spacer cluth shaft, SD	
4	1	16030300	Spacer, layshaft SD905	
5	1	20150206	Roller Bearing NJ206 ECP	
6	1	20150206	Roller Bearing NJ206 ECP	
7	1	21402015	Circlip Sgh 20 - 20 x 1.5	
8	1	34242000	Primary axle SD-905	Small spline
9	1	35460800	Double gear SD90, 2-3, 17mm	14:30 (2.143:1) and 16:28 (1.750:1)
10	1	39020400	Drive hub L=29	
11	1	K1925H90	K-Gear 17mm,19:25 1.316:1	
12	1	K2030H90	K-Gear 17mm, 20:30, 1.500:1	
13	1	See options	Clutch shaft	
Material			Description SD905 Inputshaft assembly	
Geometric Tolerance		Sheet 1/1	Mass in Gram 3663	Dim.in mm
TRACTIVE		Date 2018-01-29	Proj	Part Number
		Drawn by JT	Designed by JT	Scale 1:2
A3400032				Revision A

Pinion options SD905				
Pinion	Teeth	Ring gear	Teeth	Ratio to 1
34253600	14	35412200	54	3,86
=	14	35412300	55	3,93
=	14	35412400	56	4
34254800	13	35412200	54	4,15
=	13	35412300	55	4,23
=	13	35412400	56	4,31
34255000	11	35410800	50	4,54
34255100	12	35411500	57	4,75
34254100	11	35411600	57	5,18

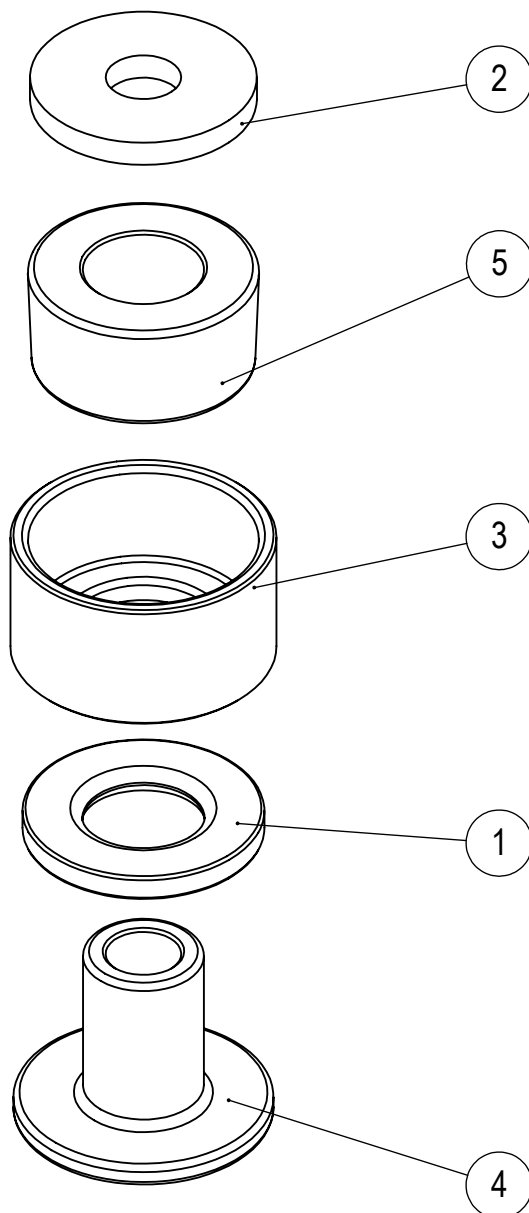


Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-30	JG	JG

Item	Qty.	Part No.	Description	Note
1	17	120812508	K-Nut M8	
2	2	121006050-SD-SP	Allen screw DIN912 M6x50 SD SPEC	
3	1	121008045-12.9FZ	Allen screw DIN912 M8 x 45 12.9Z	
4	1	121008060-12.9FZ	Allen screw DIN912 M8 x 60 12.9Z	
5	1	121012054-SPEC	Allen screw DIN912 M12 x 54 12.9Z	
6	1	121108075-10.9	Hex Screw DIN933	
7	8	14080300	Stud, M8, L=91	
8	9	14080400	Stud, M8, L=68	
9	18	22110810	Support ring SS DIN988 8 x 14 x 1,2	
10	2	23220728	Dowty washer 20.7 x 28 x 1.5 M20	
11	2	25042015	Plugg M20 x 1.5	
12	2	25060020	Plug M20 x 1.5 ED with flange	
13	1	25060026	Plug M26 x 1.5 ED with flange	
14	1	33040100	Bushing top gearbox mounting	
15	1	57090300	Gearbox housing SD905 L=200 17mm	
16	1	A2600002	SD Mount Assembly	
Material			Description SD905 Housing	
Geometric Tolerance		Sheet 1/1	Mass in Gram 4052	Dim.in mm
TRACTIVE		Date 2018-01-30	Proj	Part Number
		Drawn by JT	Designed by JT	
			Scale 1:3	
A57000010				Revision A

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Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-05-22	JG	JG



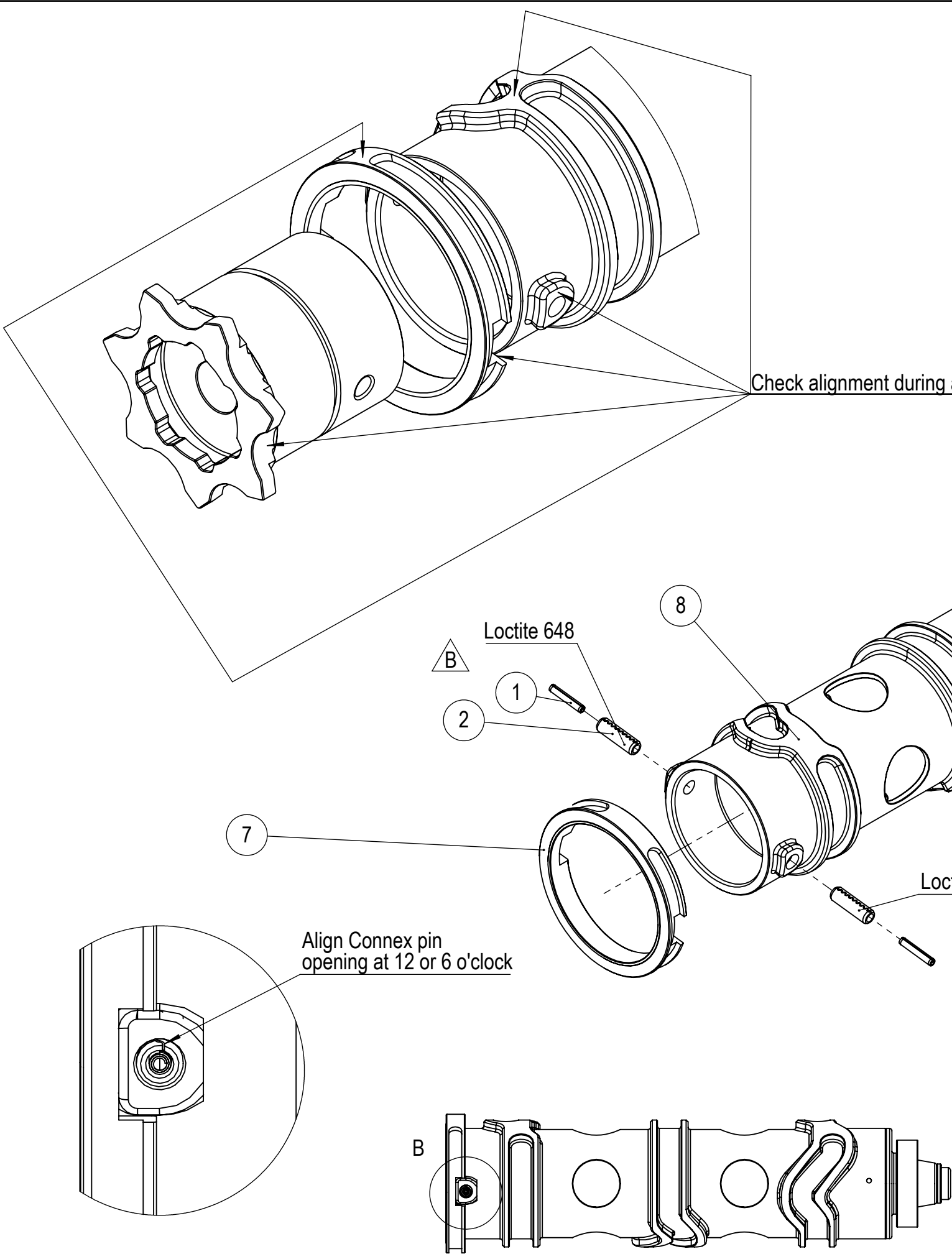
Item	Qty.	Part No.	Description	Note
1	1	16362042	Washer gearbox mount, SD90	
2	1	16401100	Washer	PP15 37,5x12,5x4,5
3	1	26340100	Sleeve gearbox mounting	
4	1	26340200	Sleeve inner gearbox mounting	
5	1	33020200	Bushing	Gearbox mount SD
Material			Description SD Mount Assembly	
Geometric Tolerance		Sheet 1/1	Mass in Gram 243	Dim.in mm
TRACTIVE			Date 2018-05-21	Proj
			Drawn by JT	Designed by JT
			Scale 1:1.25	Part Number
			A2600002	
			Revision A	

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2025-05-26 Model: A5900005 Rev: B

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DETAIL B
SCALE 2 : 1

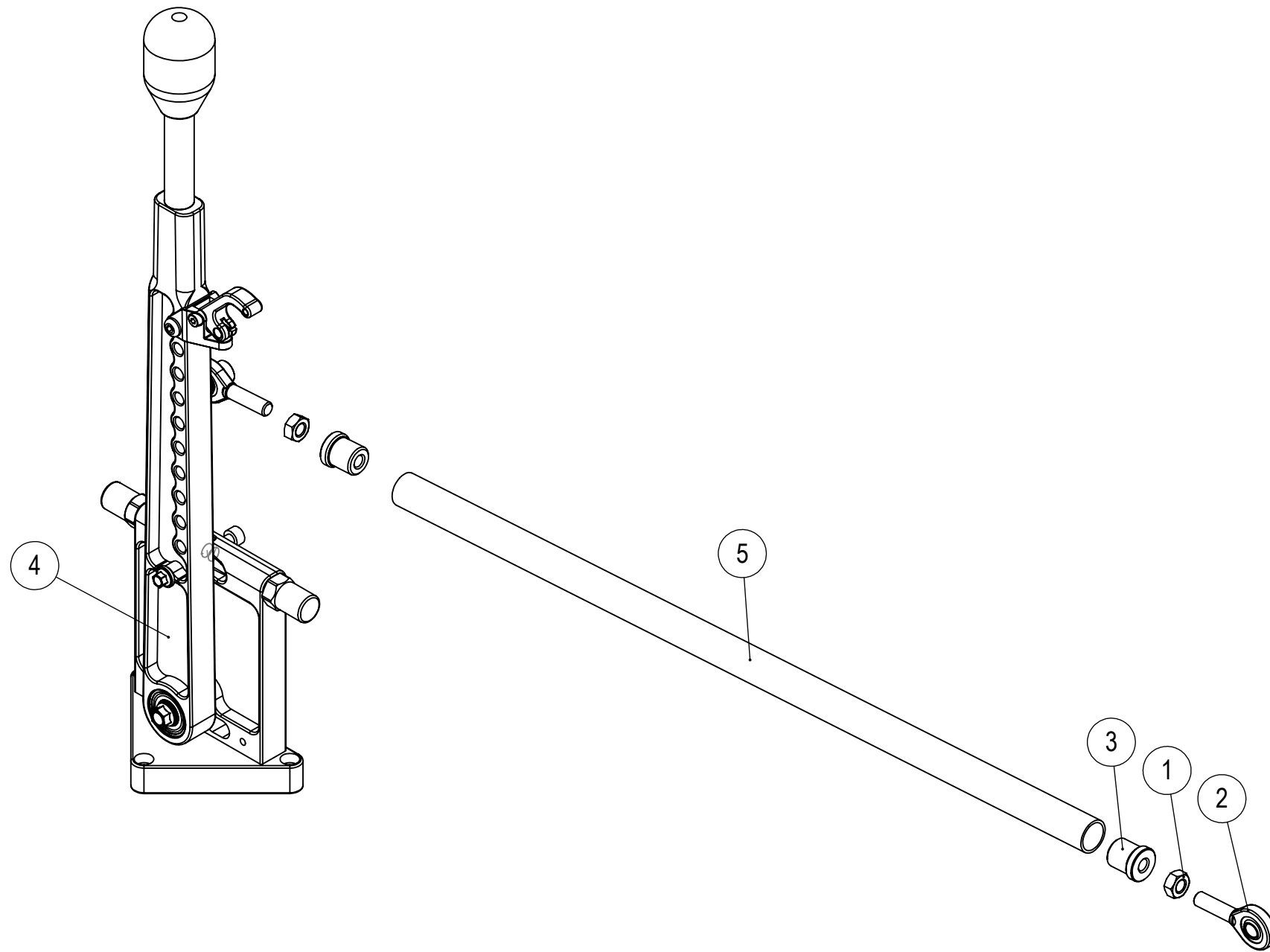
Rev.	Note	Date	Rev. By	Appr. By
B	Changed roll pin 17505120 to Connex pin 17525160 + roll pin 17502514 and Loctite	2025-05-26	JT	JG
A	New Document	2018-01-30	JG	JG

Item	Qty.	Part No.	Description	Note					
1	2	17502514	Roll Pin 2.5 x 14						
2	2	17525160	Pin Connex 5 x 16						
3	1	207661904	Roller Bearing 61904-2RZ						
4	3	23120010	O-ring 10 x 2 NBR 70						
5	1	34210800	Axle selector barrel SD						
6	1	39120100	Potentiometer driver SD						
7	1	59160100	Detent ring, RD-SD, 5-speed						
8	1	59190100	Selector barrel, 5-speed, 17mm						
Material			Proj 	Scale 1:1.5	Units mm / g	Mass, gram 686	Geometric tolerances	This drawing defines the requirements of the finished (complete) part(s), if not stated otherwise	
Approved and released by	JG	2018-01-30	Beskrivning						
Checked by			Description SD905 Selectorbarrel assembly						
Drawn by	JT	2018-01-30		Sheet	Drawing number			Category	Revision
Designed by	JT			1/1	A59000005				B
			Gjutargatan 54 S-781 70 Borlänge - Sweden						

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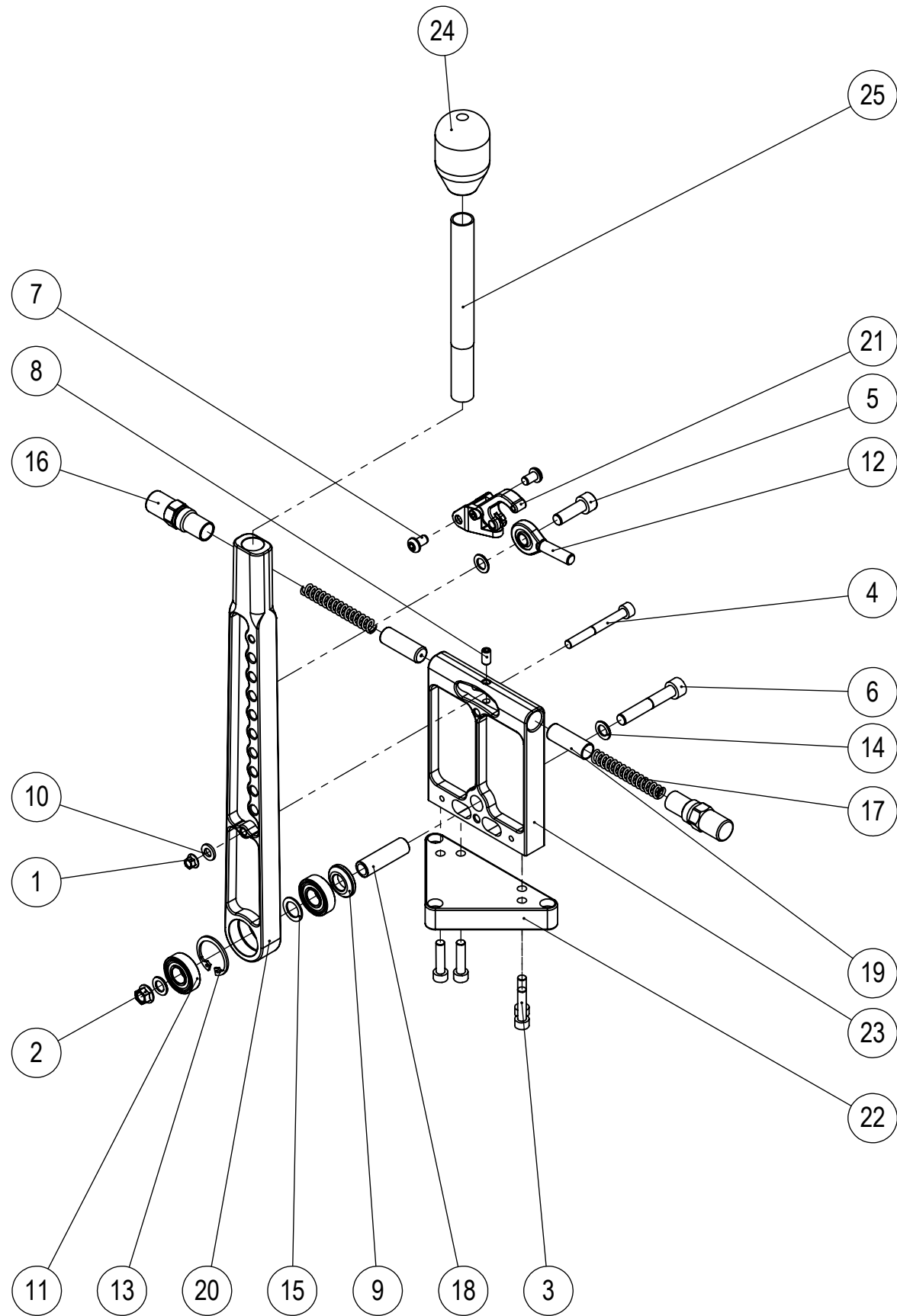
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Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-30	JG	JG

Item	Qty.	Part No.	Description	Note		
1	2	12070208	Nut M8, DIN934 FZB			
2	1	20901008	Rod end	SKF SA 8 E, External M8 thread		
3	2	59101100	M8 Insert			
4	1	59400401	Gear lever SD Complete			
5	1	869103401300	Tube 3/4" x 0,058"			
Material			Description			
			Gear level assembly SD			
Geometric Tolerance		Sheet	Mass in Gram	Dim.in mm	Note	
		1/1	1481			
TRACTIVE			Date	Proj	Part Number	Revision
			2018-01-30		A59000017	A
			Drawn by	Designed by	Scale	
			JT	JT	1:3	



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-01-29	JG	JG

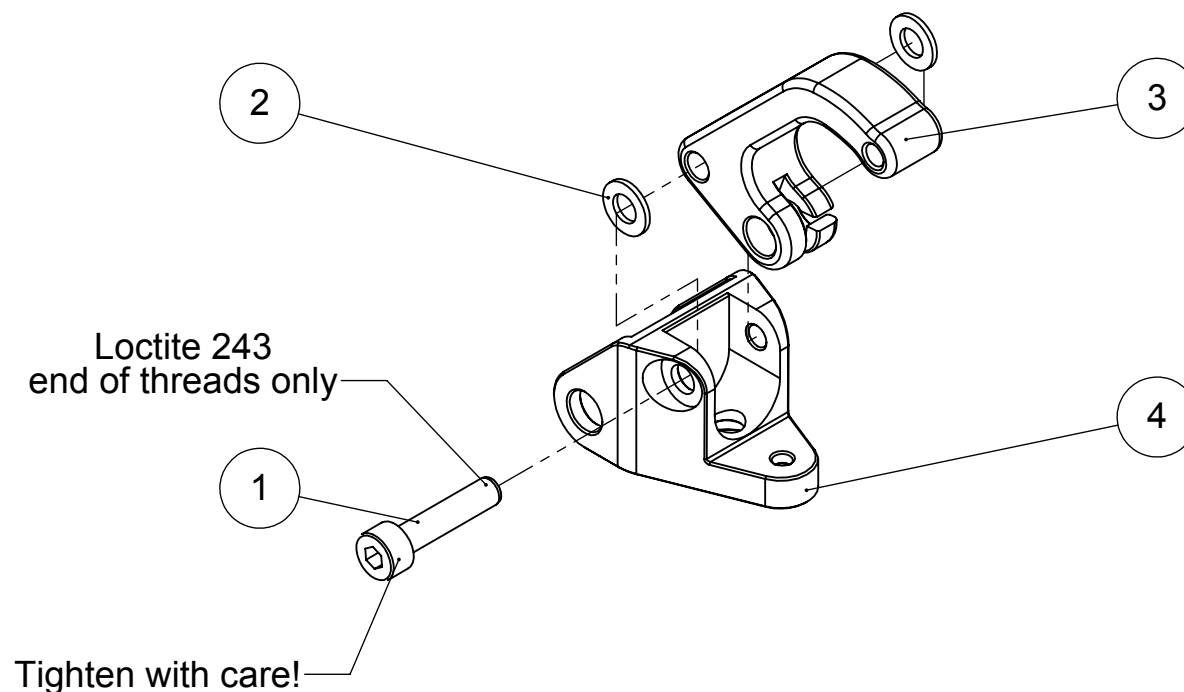
Item	Qty.	Part No.	Description	Note
1	1	120812506	K NUT M6	
2	1	120812508	K-Nut M8	
3	4	121006025-12.9FZ	Allen Screw DIN912 M6 x 25 12.9Z	
4	1	121006055-12.9	Allen Screw DIN912 M6 x 55 12.9	
5	1	121008025-12.9FZ	Allen screw DIN912 M8 x 25 12.9Z	
6	1	121008050-12.9FZ	Allen screw DIN912 M8 x 50 12.9Z	
7	2	121306010-10.9	Button Head allen screw DIN 7380	
8	1	122906012	Grub screw DIN916 M6 x 12	
9	1	16241900	Washer, gear lever	
10	1	16400600	Plain washer 6.4 x 12 /M6	
11	2	20756001	Radial Support Bearing, 6001-2RS1	
12	1	20901008	Rod end, SKF SA 8 E, External M8 thread	
13	1	21402815	Circlip, DIN 472 JS28 x 1.5 Heavy Duty	
14	3	22110810	Support ring 8 x 14 x 1	
15	1	22111210	Support ring 12 x 18 x 1	
16	2	26410100	Sleeve return plunger	Gear lever
17	2	32160865	Spring 1.6 x 8 x 65.5 ID6.4	
18	1	34220200	Axel gear shift lever RD/SD	Axel växelspak spakställ RD/SD
19	2	59210400	Plunger, gear lever	
20	1	59380700	Gear lever, cockpit	
21	1	59381101	Stop lever Complete	
22	1	59390300	Gear lever, bottom plate	
23	1	59390400	Gear lever vertical plate	
24	1	59410100	Knob, gear lever	
25	1	59590100	Tube, link rod SD L=150	

Material		Description		
		Gear lever SD Complete		
Geometric Tolerance		Sheet	1/1	
		Mass in Gram	1060	
		Dim.in mm		
		Date	2018-01-29	
		Proj		
		Part Number	59400401	
		Revision	A	
		Drawn by	JT	
		Designed by	JT	
		Scale	1:4	

TRACTIVE

Approved

Rev.	Note	Date	Rev. By	Appr. By
A	Updated after migration	2018-01-09	JT	JG



Item	Qty.	Part No.	Description	Note
1	1	121004018-12.9FZ	Allen screw DIN912 M4 x 18 12.9Z	
2	2	16400400	Plain washer 4.3 x 9 x 0.9	
3	1	59381100	Unlock lever	
4	1	59390600	Bracket unlock Lever	

Material		Description Unlock lever Complete		
Geometric Tolerance	Sheet 1/1	Mass in Gram 24	Dim.in mm	Note
TRACTIVE		Date	Proj	Part Number
		Drawn by	Designed by JT	Scale 1:1
59381101				Revision A

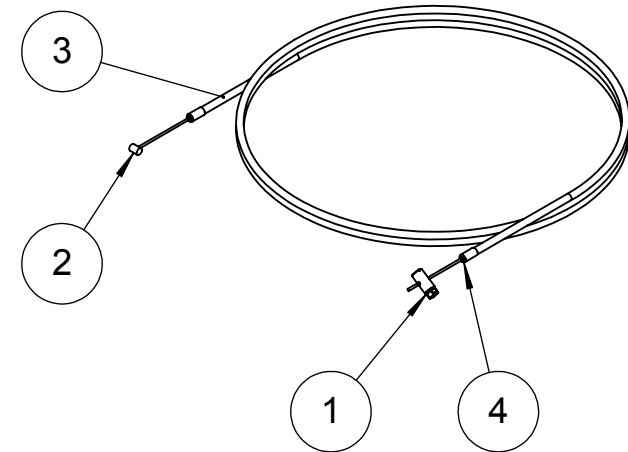
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Model: A5300006 Rev:

DRAFT

Rev.	Note	Date	Rev. By	Appr. By



Item	Qty.	Part No.	Description	Note
1	1	43700100	Nipple	
2	1	53030200	Inner cable	
3	1	53030300	Outer cable 2 meter	
4	2	53030400	Cable end	
Material			Description	
Geometric Tolerance		Sheet 1/2	Mass in Gram 41	Dim.in mm
TRACTIVE			Date	Proj
			Drawn by	Designed by JT
			Scale 1:5	Part Number
			A5300006	
			Revision	

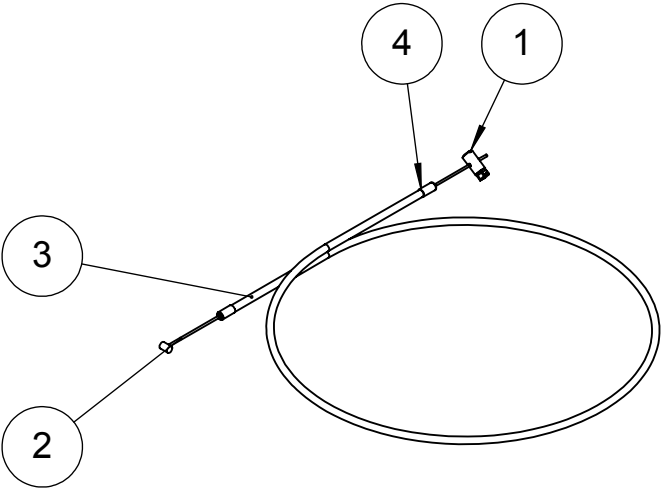
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Model: A5300006 Rev:

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Rev.	Note	Date	Rev. By	Appr. By



Item	Qty.	Part No.	Description	Note
1	1	43700100	Nipple	
2	1	53030200	Inner cable	
3	1	53030300	Outer cable 1 meter	
4	2	53030400	Cable end	
Material			Description	
Geometric Tolerance		Sheet 2/2	Mass in Gram 41	Dim.in mm
TRACTIVE		Date	Proj	Part Number
		Drawn by	Designed by JT	Scale 1:5
A5300006				Revision

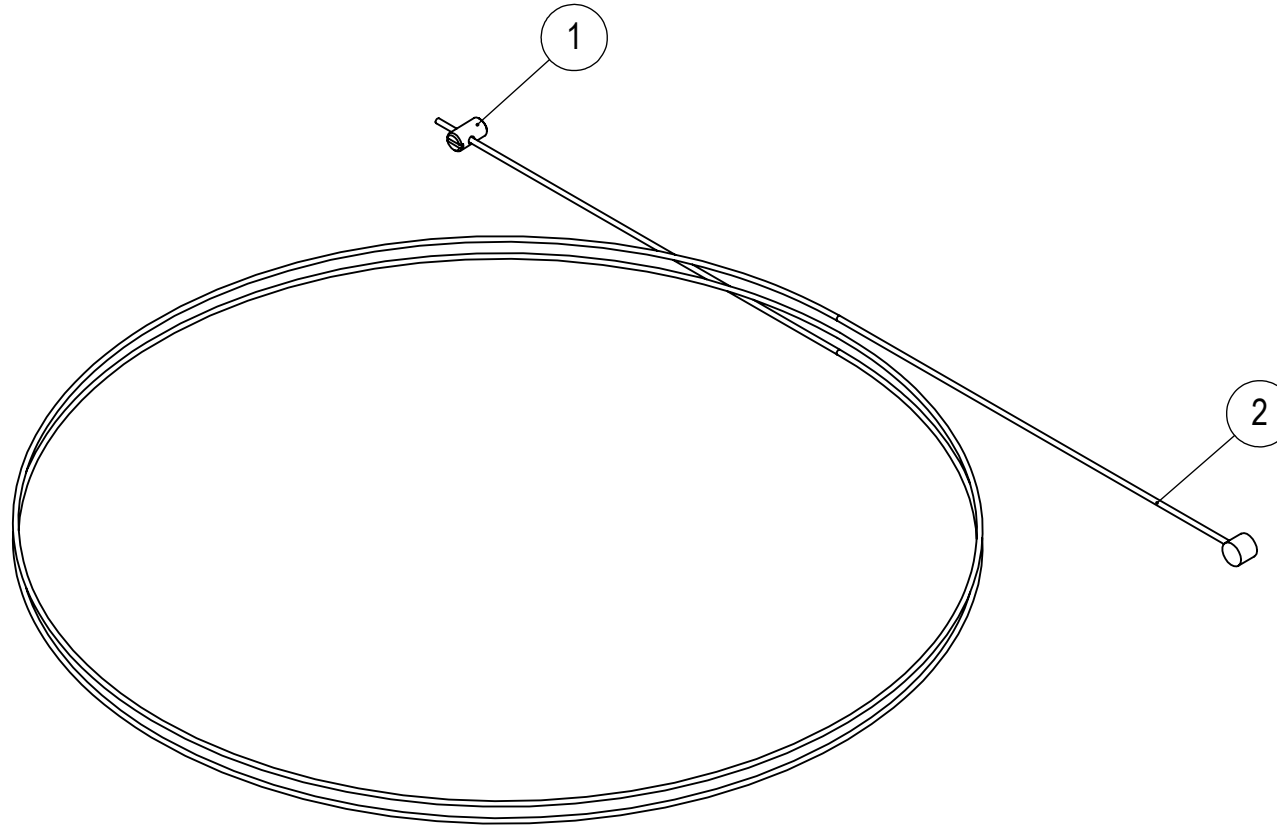
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Model: A5300007 Rev:

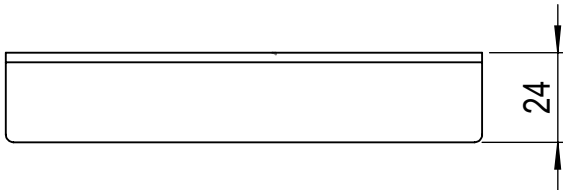
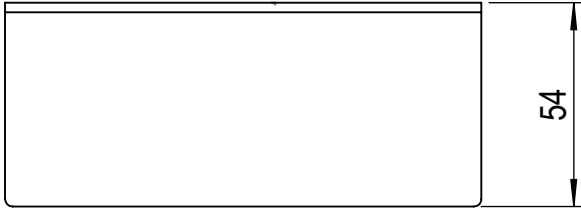
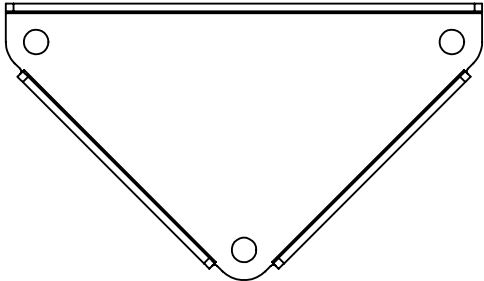
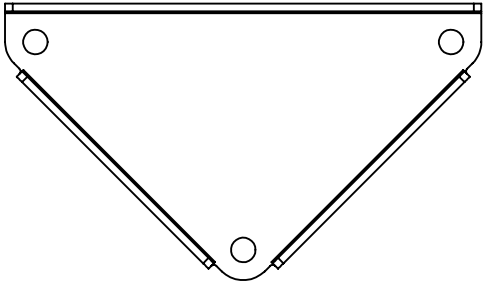
Draft

Rev.	Note	Date	Rev. By	Appr. By

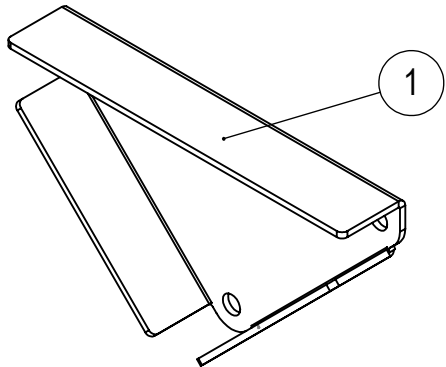
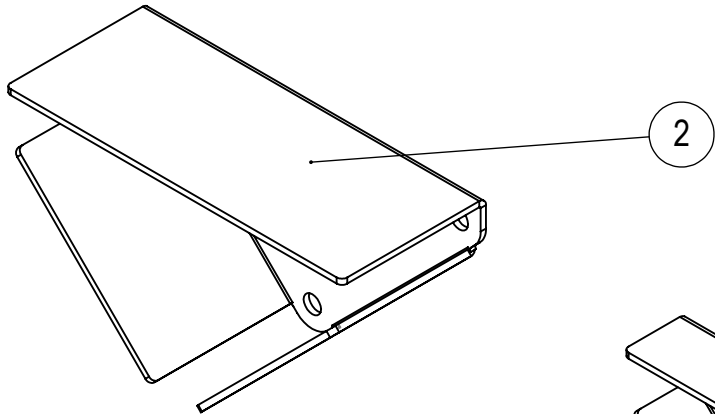


Item	Qty.	Part No.	Description	Note
1	1	43700200	Nipple	
2	1	53030600	Inner Cable	
Material			Description	
Geometric Tolerance		Sheet 1/1	Mass in Gram 0.01	Dim.in mm
			Date 2018-11-30	Proj 
			Drawn by JT	Designed by JT
			Scale 1:2	Part Number
			A5300007	
			Revision	

Approved



Rev.	Note	Date	Rev. By	Appr. By
A	New Document	2018-12-04	JT	JT



Item	Qty.	Part No.	Description	Note
1	1	59390800	Weld plate	Gear lever 24mm
2	1	59390900	Weld plate	Gear lever 54mm
Material			Description	
Geometric Tolerance			Sheet 1/1	
Mass in Gram			489	
Dim.in mm			Proj	
Date			2018-12-04	
Drawn by			JT	
Designed by			JT	
Scale			1:2	
Weld plate options				Note
Gear lever				Part Number
A5900020				Revision
A				