



Form No. 3443-929 Rev B

Count on it.

Parts Catalog

NuSurface 470

Model No. 46450—Serial No. 321000001 and Up



Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustration and in parts lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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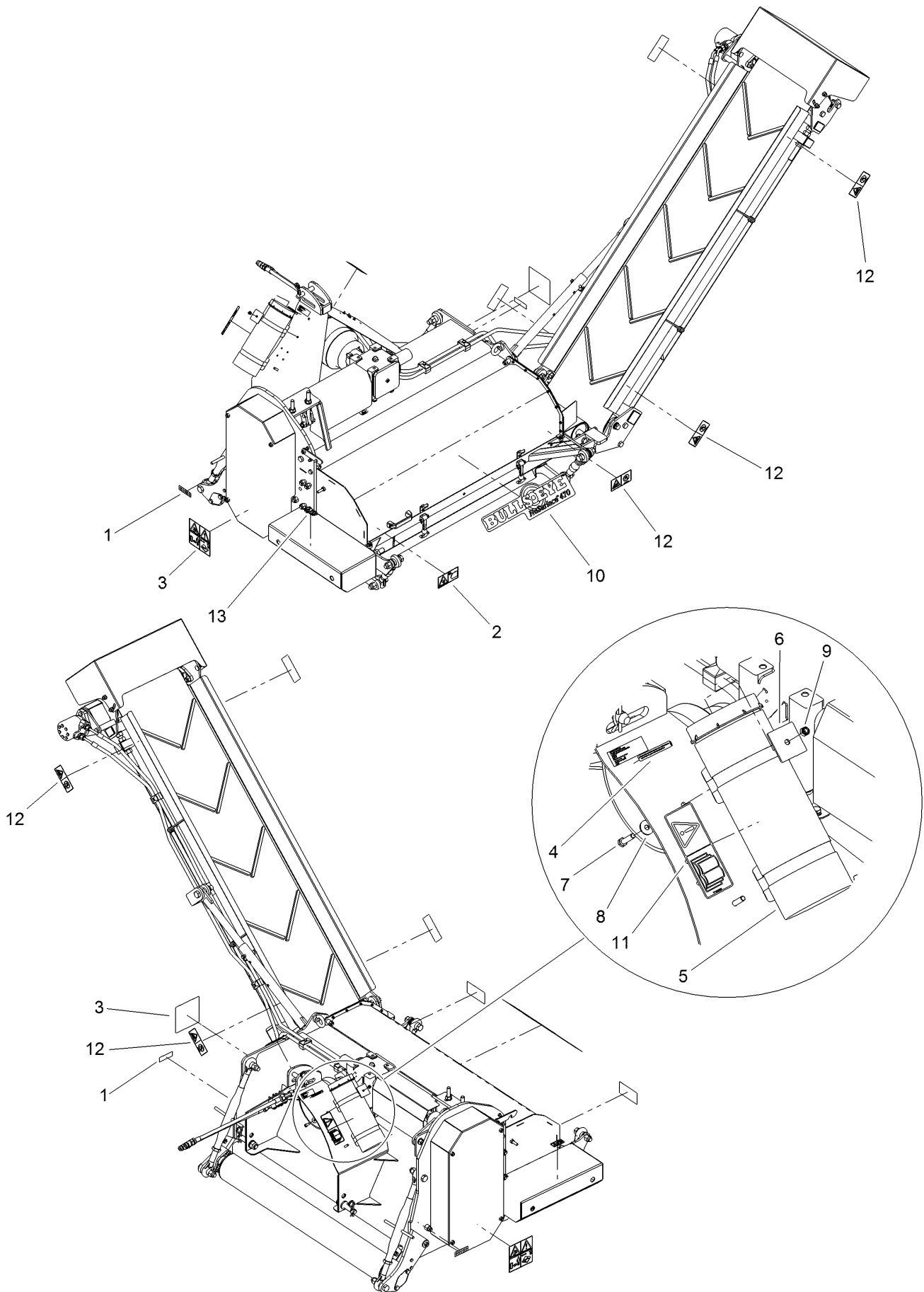
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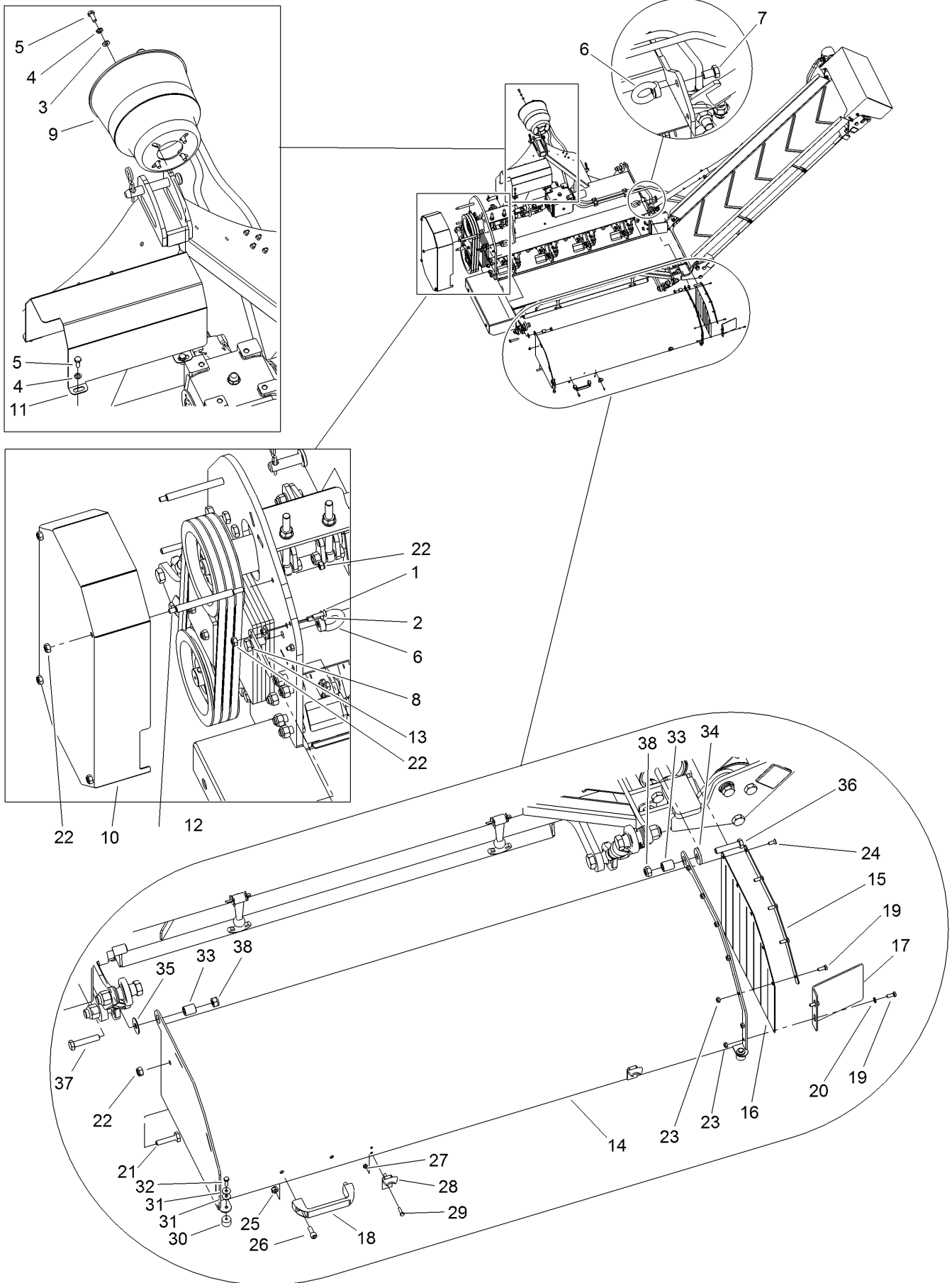
Decal Assembly



Decal Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-8258	2	Decal-Ruler	9	144-7944	2	Self Lock Nut M8 - ISO
2	144-7911	1	Decal-Close Cover				10511
3	144-7905	2	Decal-Safety	10	136-3676	1	Decal-Nusurface 470
4	133-8061	1	Decal-Warning	11	105-0698	1	Decal-Caution
5	144-8128	1	Toolbox Complete	12	144-7910	5	Decal-Safety, Conveyor Belt
6	144-8129	2	Toolbox Contraplate	13	119-6807	1	Decal-Warning
7	144-8130	2	Bolt M8 X 35 - ISO 4017				
8	144-8013	2	Washer-Large M8 - Din 9021				

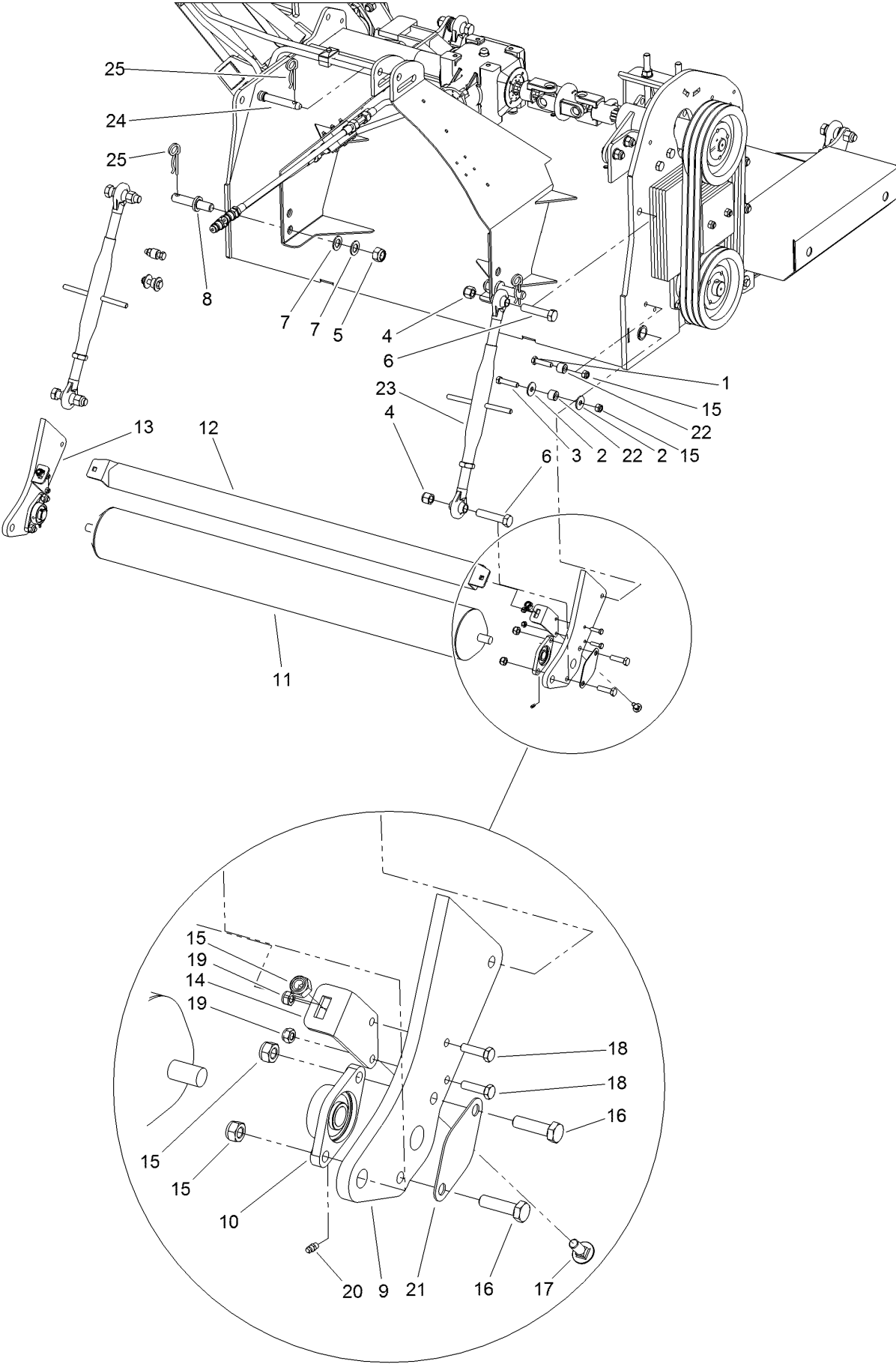
Covers Assembly



Covers Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-8469	2	Bolt M8 X 30 - Din 7991	22	144-7717	10	Nut, Self Locking - M 10
2	144-8157	1	Bolt M10 X 35 - Din 7991	23	144-7940	7	Self Lock Nut M6 - ISO 10511
3	144-7929	4	Washer M8 - ISO 7089	24	144-8799	1	Bolt M6 X 16 - Din 7991
4	144-7930	8	Spring Washer M8 - Din 127	25	144-7944	2	Self Lock Nut M8 - ISO 10511
5	144-7945	8	Bolt M8 X 20 - ISO 4017	26	144-8800	2	Bolt M8 X 20 - Din 912
6	144-8618	2	Lifting Eye Nut M16 - Din 582	27	144-8378	4	Self Lock Nut M5 - ISO 10511
7	144-8792	1	Bolt M16 X 25 - ISO 4017	28	144-8373	2	Rubber Lock ASM
8	144-8010	1	Bolt M16 X 35 - ISO 4017	29	144-8801	4	Bolt M5 X 16 - ISO 4017
9	144-7932	1	PTO Cover	30	144-8802	2	Stop
10	144-7872	1	Safety Cover	31	144-8463	4	Large Washer M6 - Din 9021
11	144-8793	1	Cover Drive Shaft Bullseye	32	144-8192	2	Bolt M6 X 20 - ISO 4017
12	144-8794	4	Stud Ø15 2Xm10 WI=132	33	144-8803	2	Distance Bushing Ø20/Ø12 L=25
13	144-8795	1	Lock Strip	34	144-8804	1	Distance Washer
14	144-7874	1	Weld Assy Cover	35	144-8805	1	Distance Washer
15	144-8796	1	Contra Strip	36	144-7703	1	Bolt M 12X55
16	144-8797	1	Rubber Gate	37	144-8031	1	Bolt M12 X 60 - ISO 4014
17	144-8798	1	Guide Support	38	144-7705	2	Nut, Self Locking - M 12
18	144-7926	1	Handle				
19	144-8159	6	Bolt M6 X 16 - ISO 4017				
20	144-8251	2	Washer M6 - ISO 7089				
21	144-8025	1	Bolt M10 X 45 - ISO 4017				

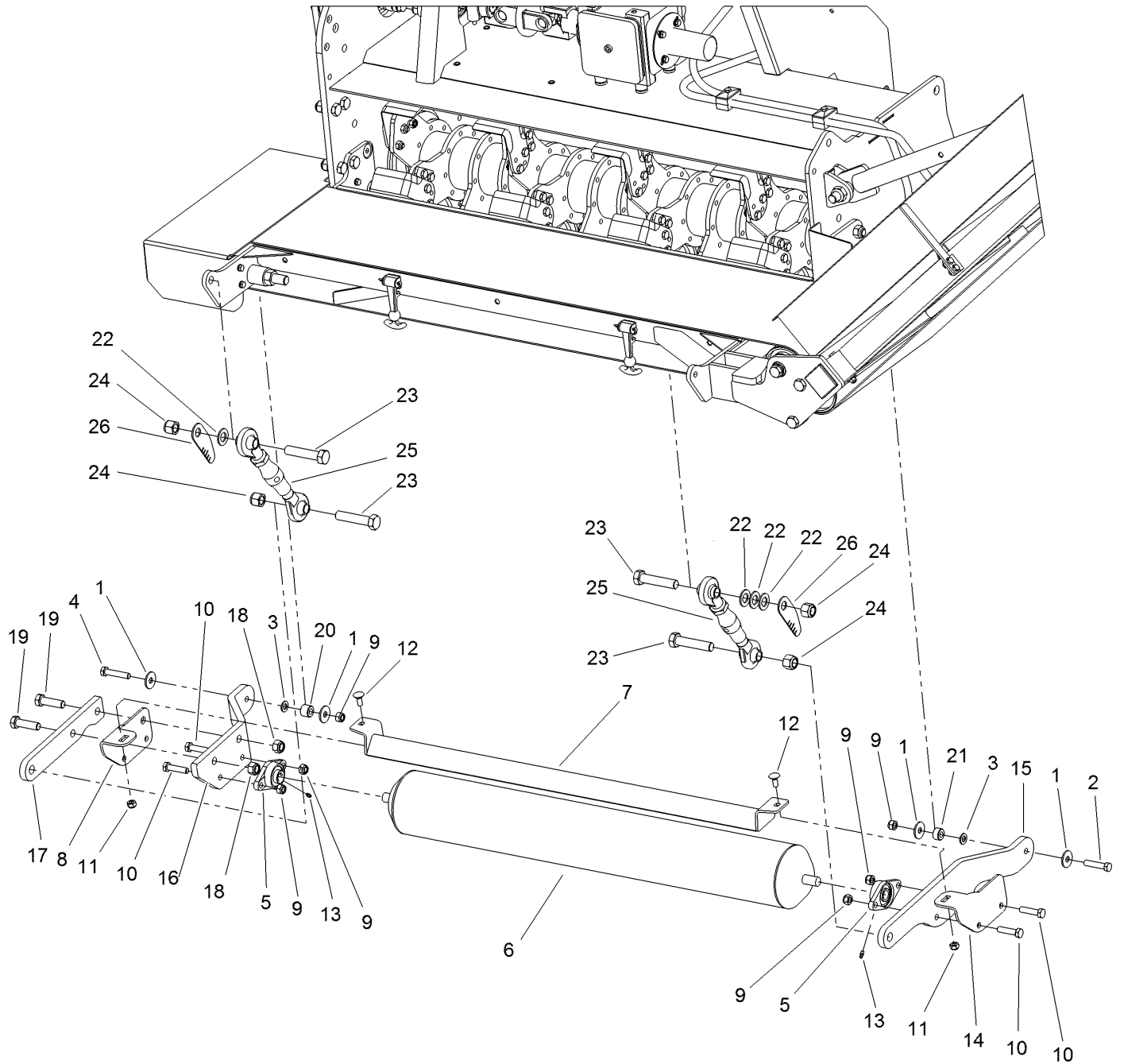
Front Roller Assembly



Front Roller Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-8806	2	Bolt M12 X 50 - ISO 4014 - 10.9	14	144-8809	1	Bracket Scraper Front
2	144-7953	4	Large Washer M12 - Din 9021	15	144-7705	10	Nut, Self Locking - M 12
3	144-7703	2	Bolt M 12X55	16	144-8011	4	Bolt M12 X 45 - ISO 4017
4	144-7983	4	SI Nut 3/4"-16 Unf	17	144-8810	2	Mh Bolt M10 X 25 ISO 8677
5	144-8475	2	Self Lock Nut M22 - ISO 10511	18	144-7949	4	Bolt M8 X 30 - ISO 4017
6	144-7984	4	Hex Bolt 3/4-16 L=3.5 Unf	19	144-7944	4	Self Lock Nut M8 - ISO 10511
7	144-8602	4	Washer M22 - ISO 7089	20	144-7961	2	Grease Nipple M6 Din 71412A
8	144-8478	2	Bottom 3-Point Pin	21	144-8811	2	Cover Plate
9	144-7895	2	Strip Roller Front	22	144-7969	4	Bush Ø12.5/Ø25 L=19.5
10	144-7745	2	Bearing Ucf1 204	23	144-8812	2	Toplink Cat. 1 L0=420 Stroke=220 M24X3
11	144-8807	1	Roller L-128	24	144-8171	1	Top Link Pin
12	144-7896	1	Scraper Roller	25	144-7710	3	R Clip
13	144-8808	1	Bracket Scraper Front				

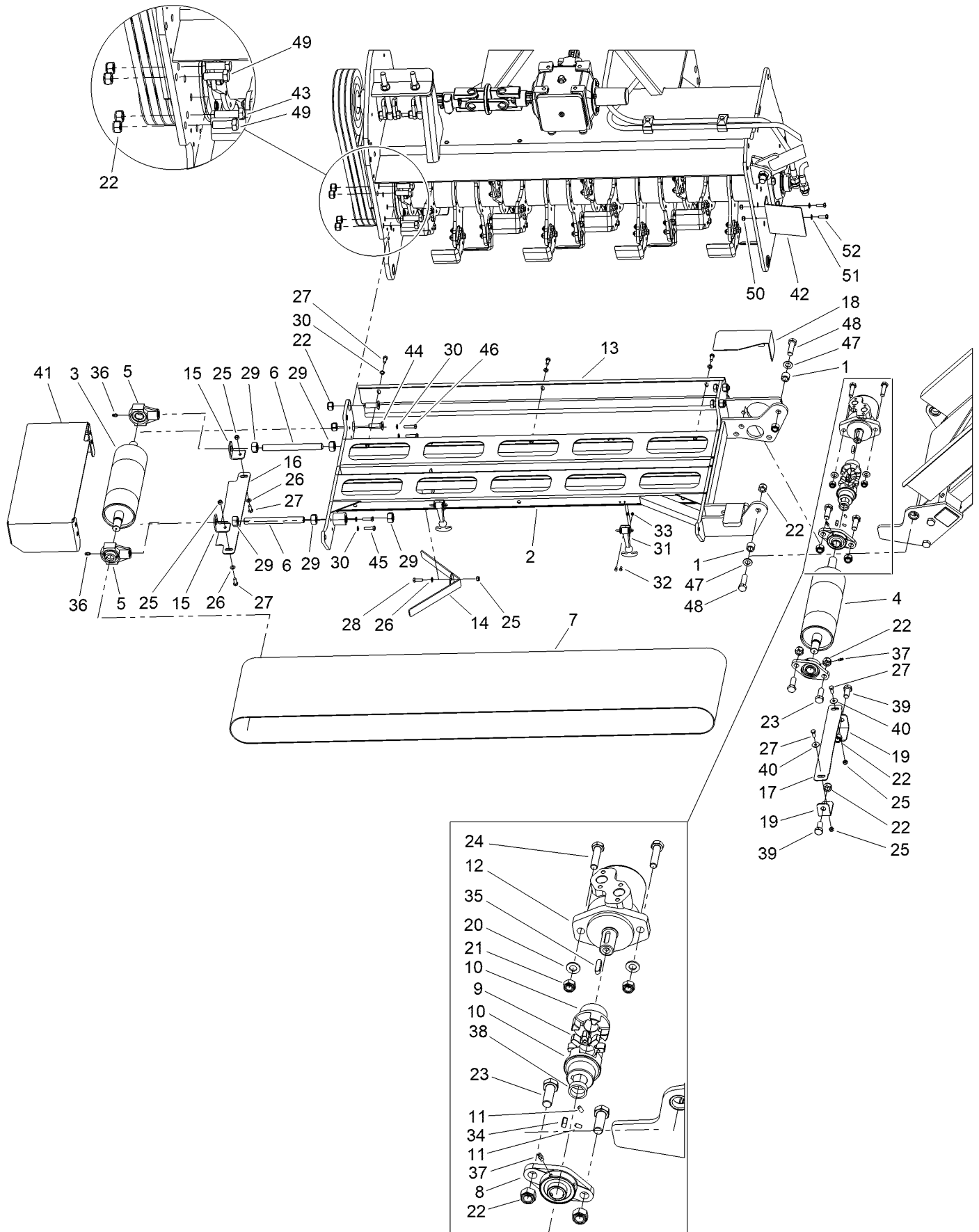
Rear Roller Assembly



Rear Roller Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-7953	4	Large Washer M12 - Din 9021	14	144-7891	1	Bracket Scraper Left
2	144-7703	1	Bolt M 12X55	15	144-7892	1	Adjustment Strip Right
3	144-7922	2	Washer M12 - ISO 7089	16	144-7893	1	Adjustment Strip Left
4	144-8031	1	Bolt M12 X 60 - ISO 4014	17	144-7894	1	Adjustment Strip
5	144-7745	2	Bearing Ucf1 204	18	144-7951	2	Nut, Self Lock M16 10.9 - ISO 10511
6	144-8813	1	Roller Ø140 L=1053	19	144-7972	2	Bolt M16 X 55 - ISO 4017
7	144-7889	1	Scraper Roller	20	144-7969	1	Bush Ø12.5/Ø25 L=19.5
8	144-7890	1	Bracket Scraper Right	21	144-8814	1	Bushing Ø12.5/Ø25 L=14.5
9	144-7705	6	Nut, Self Locking - M 12	22	144-7991	4	Washer M20 - ISO 7089
10	144-8806	4	Bolt M12 X 50 - ISO 4014 - 10.9	23	144-7984	4	Hex Bolt 3/4-16 L=3.5 Unf
11	144-7717	2	Nut, Self Locking - M 10	24	144-7983	4	SI Nut 3/4"-16 Unf
12	144-8810	2	Mh Bolt M10 X 25 ISO 8677	25	144-7978	2	Toplink Cat1 215-300MM
13	144-7961	2	Grease Nipple M6 Din 71412A	26	144-8815	2	Depth Adjustment Gauge

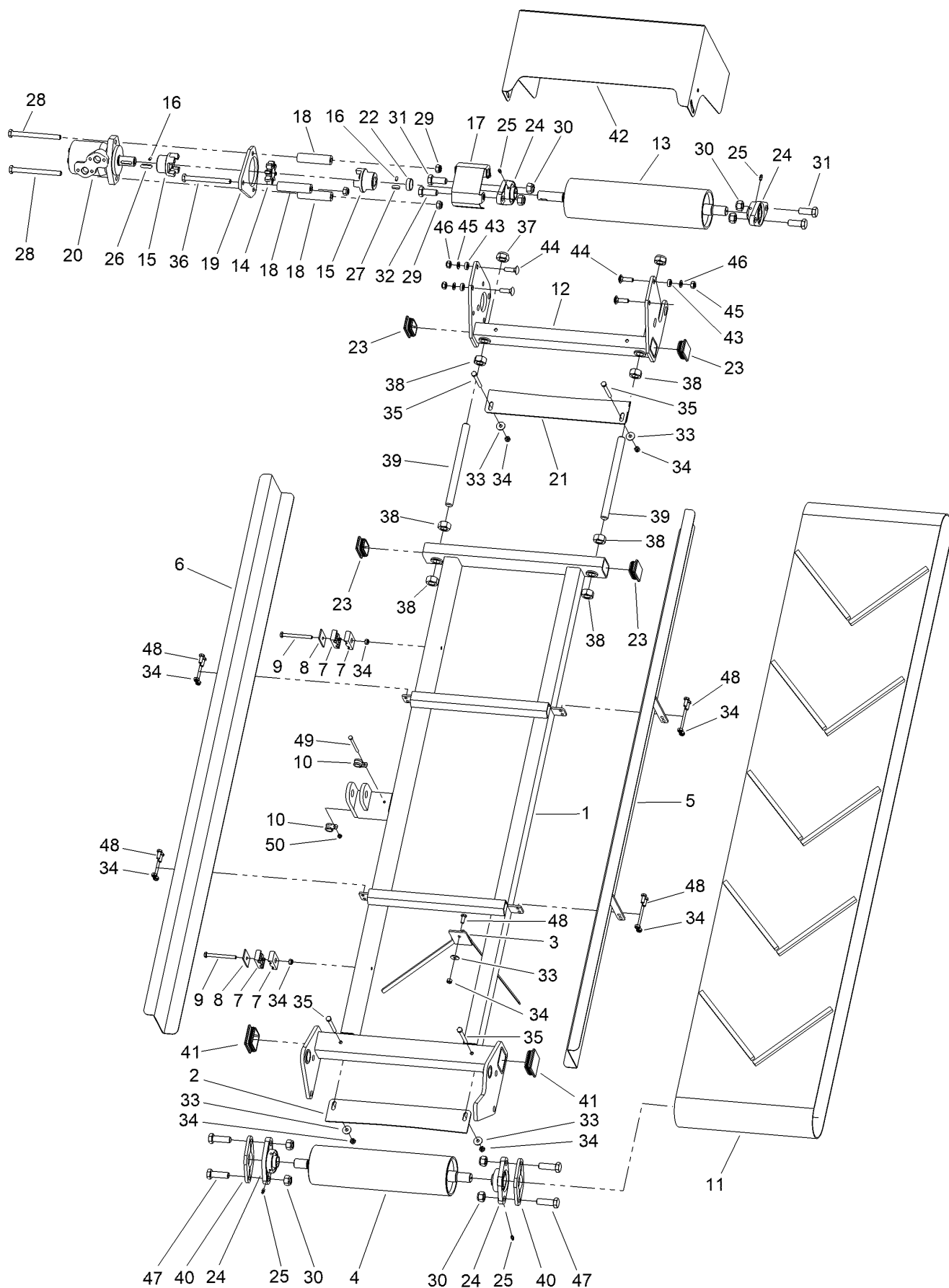
Fixed Conveyor Assembly



Fixed Conveyor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-8816	2	Bushing Ø16.5/Ø25 L=20	28	144-8014	3	Bolt M8 X 25 - ISO 4017
2	144-7884	1	Fixed Conveyor Frame	29	144-8009	6	Nut M20 - Din 934
3	144-7885	1	Driven Roller L=300	30	144-7930	7	Spring Washer M8 - Din 127
4	144-7886	1	Driver Roller L=300	31	144-8373	2	Rubber Lock ASM
5	144-8817	2	Bearing Uchb205D1	32	144-8379	4	Bolt M5 X 12 - ISO 4017
6	144-8818	2	Threaded Rod M20 L=200 Din 975	33	144-8378	4	Self Lock Nut M5 - ISO 10511
7	144-7769	1	Conveyor Belt	34	144-8827	1	Key 8X7X22 - Din 6885
8	144-8006	2	Bearing Uchl 205	35	144-8008	1	Key 8X7X32 - Din 6885
9	144-7771	1	Coupling Rubber	36	144-8015	2	Grease Nipple Rp 1/8 Straight
10	144-7770	2	Coupling Half	37	144-7961	2	Grease Nipple M6 Din 71412A
11	144-8003	2	Set Screw M6 X 12 - Din 916	38	144-8005	1	Distance Bush Ø32/Ø25.5 L=10
12	144-8819	1	HYD. Motor Omp 25	39	144-8010	2	Bolt M16 X 35 - ISO 4017
13	144-7887	1	Cover Plate	40	144-8013	2	Washer-Large M8 - Din 9021
14	144-8820	1	Scraper	41	144-7888	1	Cover Fixed Belt
15	144-8821	2	Bracket Scraper	42	144-8828	1	Guide Support Long
16	144-8822	1	Scraper L=300	43	144-7972	1	Bolt M16 X 55 - ISO 4017
17	144-8823	1	Scraper Compact L=300	44	144-7990	2	Bolt M16 X 45 - Din 7991
18	144-8824	1	Safety Cover	45	144-7949	2	Bolt M8 X 30 - ISO 4017
19	144-8825	2	Scraper Bracket L=72	46	144-8130	2	Bolt M8 X 35 - ISO 4017
20	144-7922	2	Washer M12 - ISO 7089	47	144-7956	2	Washer M16 - ISO 7089
21	144-7705	2	Nut, Self Locking - M 12	48	144-8829	2	Bolt M16 X 55
22	144-7951	14	Nut, Self Lock M16 10.9 - ISO 10511	49	144-7998	3	Bolt M16 X 45 - ISO 4017
23	144-7998	4	Bolt M16 X 45 - ISO 4017	50	144-7940	2	Self Lock Nut M6 - ISO 10511
24	144-8826	2	Bolt M12 X 50 - ISO 4017	51	144-8251	2	Washer M6 - ISO 7089
25	144-7944	7	Self Lock Nut M8 - ISO 10511	52	144-8173	2	Bolt M6 X 25 - ISO 4017
26	144-7929	5	Washer M8 - ISO 7089				
27	144-7945	7	Bolt M8 X 20 - ISO 4017				

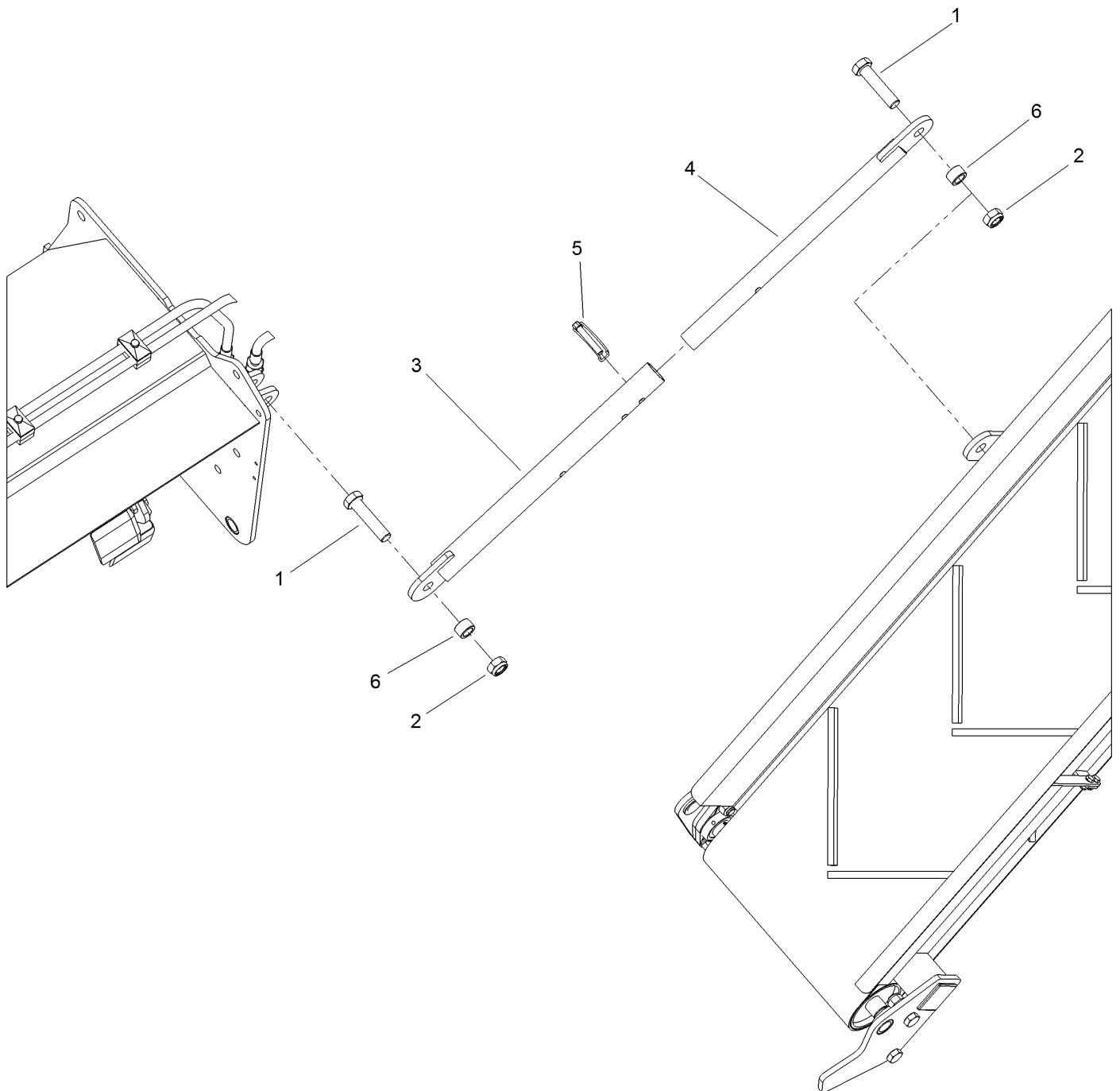
Transport Conveyor Assembly



Transport Conveyor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-7875	1	Frame Conveyor Belt	27	144-8827	1	Key 8X7X22 - Din 6885
2	144-8830	1	Scraper L=400 Compact	28	144-8353	2	Bolt M12 X 140 - ISO 4014
3	144-8831	1	Scraper	29	144-7705	3	Nut, Self Locking - M 12
4	144-7881	1	Driven Roller L=400	30	144-7951	8	Nut, Self Lock M16 10.9 - ISO 10511
5	144-7882	1	Sidepanel Conveyor Right	31	144-8141	3	Bolt M16 X 40 - ISO 4017
6	144-7883	1	Sidepanel Conveyor Left	32	144-7998	1	Bolt M16 X 45 - ISO 4017
7	144-8711	4	Hose Clamp Double 15MM	33	144-8013	5	Washer-Large M8 - Din 9021
8	144-8712	2	Cover Plate Hose Clamp 2X15 - 2X18	34	144-7944	15	Self Lock Nut M8 - ISO 10511
9	144-8832	2	Bolt M8 X 85 - ISO 4014	35	144-8836	4	Bolt M8 X 75 - ISO 4014
10	144-8833	2	Hose Clamp 15	36	144-8837	1	Bolt M12 X 130 - ISO 4014
11	144-7773	1	Conveyor Belt	37	144-7992	2	Self Lock Nut M20 Din 985 H=17
12	144-7876	1	Transport Belt Spanner Frame	38	144-8009	6	Nut M20 - Din 934
13	144-7877	1	Driver Roller L=400	39	144-8838	2	Threaded Rod M20 L=250 Din 975
14	144-7771	1	Coupling Rubber	40	144-8839	2	Bearing Spacer
15	144-7770	2	Coupling Half	41	144-8840	2	Plastic Stop 60X60
16	144-8003	2	Set Screw M6 X 12 - Din 916	42	144-7880	1	Flow Cover
17	144-7879	1	Cover Motor	43	144-8841	4	Distance Bushing Ø20/Ø10.5 L=7
18	144-8834	3	Distance Bushing Ø12.5/Ø25 L=95	44	144-8842	4	Mh Bolt M10 X 35 ISO 8677
19	144-7878	1	Motor Strip	45	144-7939	4	Washer M10 - ISO 7089
20	144-8819	1	HYD. Motor Omp 25	46	144-7717	4	Nut, Self Locking - M 10
21	144-8830	1	Scraper L=400 Compact	47	144-7989	4	Bolt M16 X 50 - ISO 4017
22	144-8005	1	Distance Bush Ø32/Ø25.5 L=10	48	144-7945	9	Bolt M8 X 20 - ISO 4017
23	144-8835	4	Plastic Stop 60X40	49	144-8843	1	Bolt M6 X 85 - ISO 4014
24	144-8006	4	Bearing Ucf1 205	50	144-7940	1	Self Lock Nut M6 - ISO 10511
25	144-7961	4	Grease Nipple M6 Din 71412A				
26	144-8008	1	Key 8X7X32 - Din 6885				

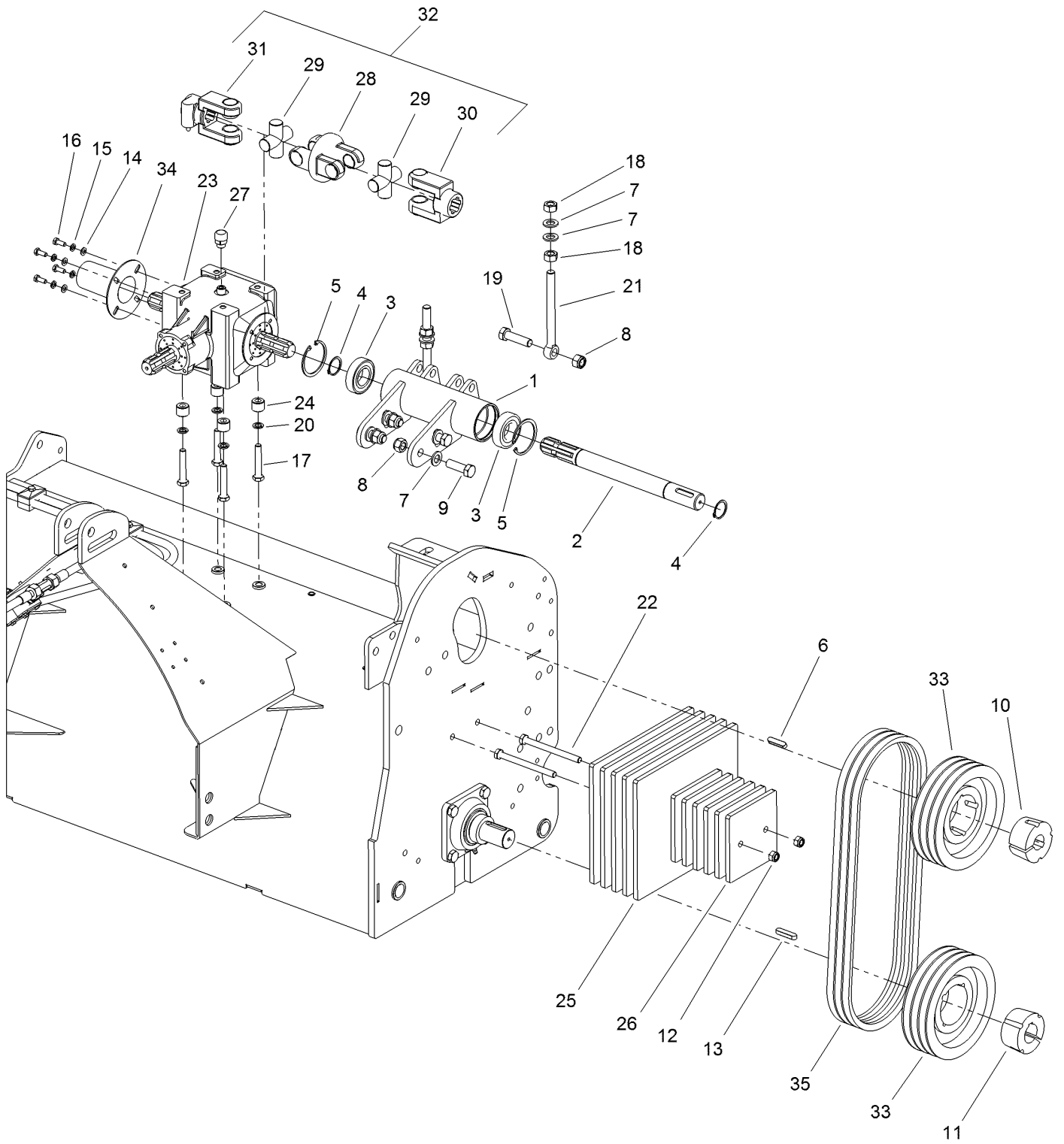
Telescoping Rod Assembly



Telescoping Rod Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-8844	2	Bolt M20 X 85 - ISO 4014	4	144-8846	1	Telescopic Rod Inside
2	144-7992	2	Self Lock Nut M20 Din 985 H=17	5	144-8847	1	Pipe Linch Pin Ø10
3	144-8845	1	Telescopic Rod Outside	6	144-8848	2	Distance Bushing Ø30/Ø20 L=18

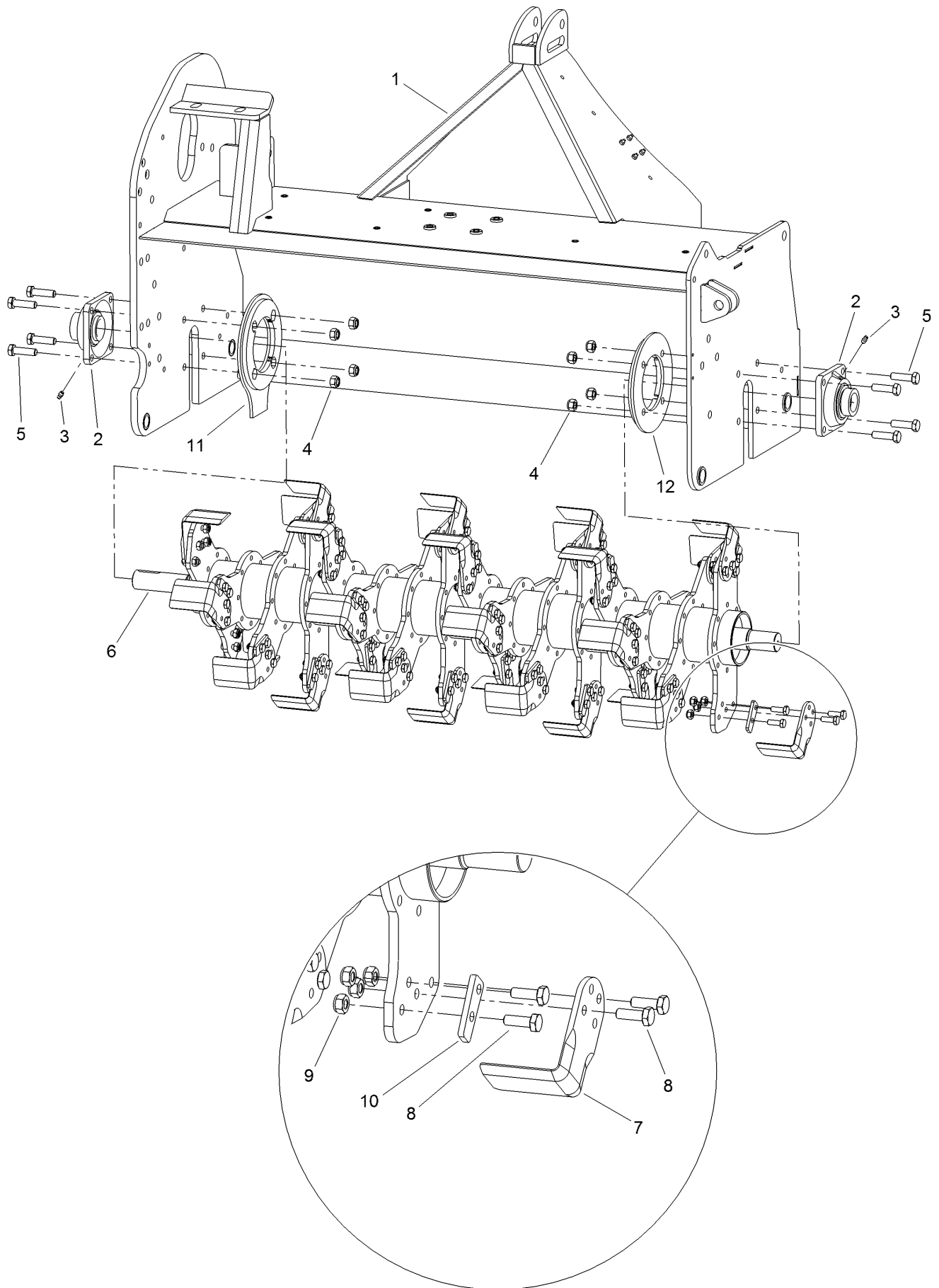
Drive Assembly



Drive Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-8849	1	Bearing Support	18	144-8012	4	Nut M16 - Din 934
2	144-8850	1	Splined Shaft 1-3/8" Z6 - Ø35H9 L=400	19	144-8858	2	Bolt M16 X 60 - ISO 4014 - 10.9
3	144-8851	2	Bearing 6207-2Rs	20	144-7954	4	Tooth Washer M12
4	144-8852	2	Circlip D=35 - Din 471	21	144-8859	2	Eye Bolt M16X180
5	144-8853	2	Circlip D=72 - Din 472	22	144-8353	2	Bolt M12 X 140 - ISO 4014
6	144-8854	1	Key 10X8X45 - Din 6885	23	144-8860	1	Gearbox T-27A 1.92:1 Bullseye
7	144-7956	8	Washer M16 - ISO 7089	24	144-7969	4	Bush Ø12.5/Ø25 L=19.5
8	144-7951	6	Nut, Self Lock M16 10.9 - ISO 10511	25	144-8861	5	Weight
9	144-7989	4	Bolt M16 X 50 - ISO 4017	26	144-8862	6	Weight Plate
10	144-8855	1	Taperlock 2517, 32MM, F/W Set Screws	27	144-8050	1	Breather 3/8" BSP
11	144-8856	1	Taperlock 2517, 40MM, F/W Set Screws	28	144-8993	1	Double Yoke
12	144-7705	2	Nut, Self Locking - M 12	29	144-8328	2	Cross And 4X Circlip Kit
13	144-8857	1	Key 12X8X50 - Din 6885	30	144-8994	1	Splined Yoke
14	144-7929	4	Washer M8 - ISO 7089	31	144-8877	1	Push Pin Yoke Type 40
15	144-7930	4	Spring Washer M8 - Din 127	32	144-8995	1	Connecting Joint
16	144-7945	4	Bolt M8 X 20 - ISO 4017	33	144-8865	2	Pulley Spb 212-3 T2517
17	144-8546	4	Bolt M12 X 70 - ISO 4014	34	144-7938	1	Cover PTO Shaft
				35	144-7772	3	V Belt Xpb 1500

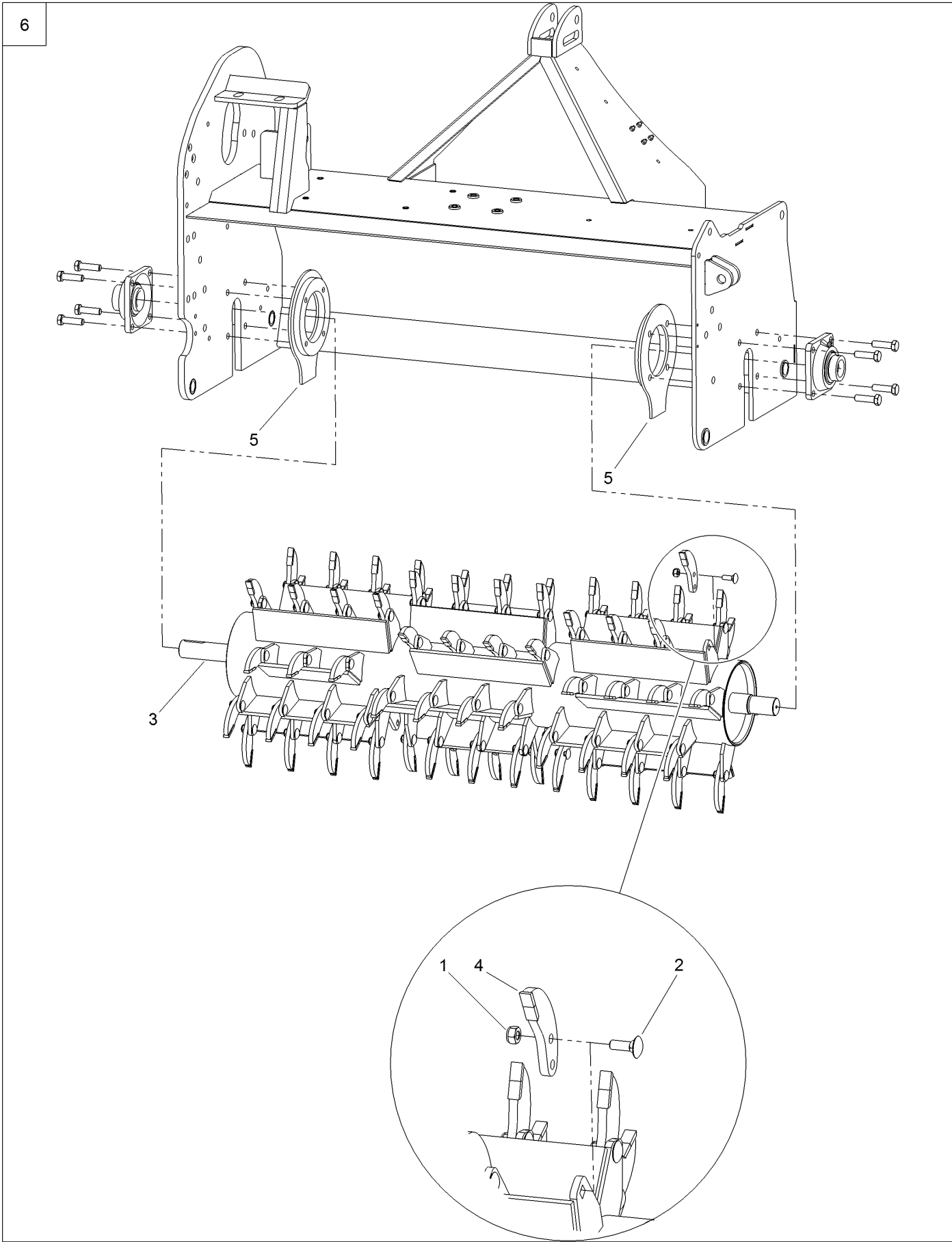
Frame and Blades Assembly



Frame and Blades Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-7871	1	Main Frame Ns470	7	144-7767	32	Blade, Frase - 8MM
2	144-8866	2	Bearing Tcj40-N				(Optional)
3	144-8015	2	Grease Nipple Rp 1/8 Straight	8	144-7768	128	Bolt M 10 X 30
4	144-7706	8	Nut, Self Locking - M 14	9	144-7717	128	Nut, Self Locking - M 10
5	144-8867	8	Bolt M14 X 50 - ISO 4014	10	144-8868	32	Plate
6	144-7899	1	Rotor Shaft	11	144-7897	1	Ring Connection Plate
7	144-7766	32	Blade, Frase - 6 MM	12	144-7898	1	Connection Ring Round

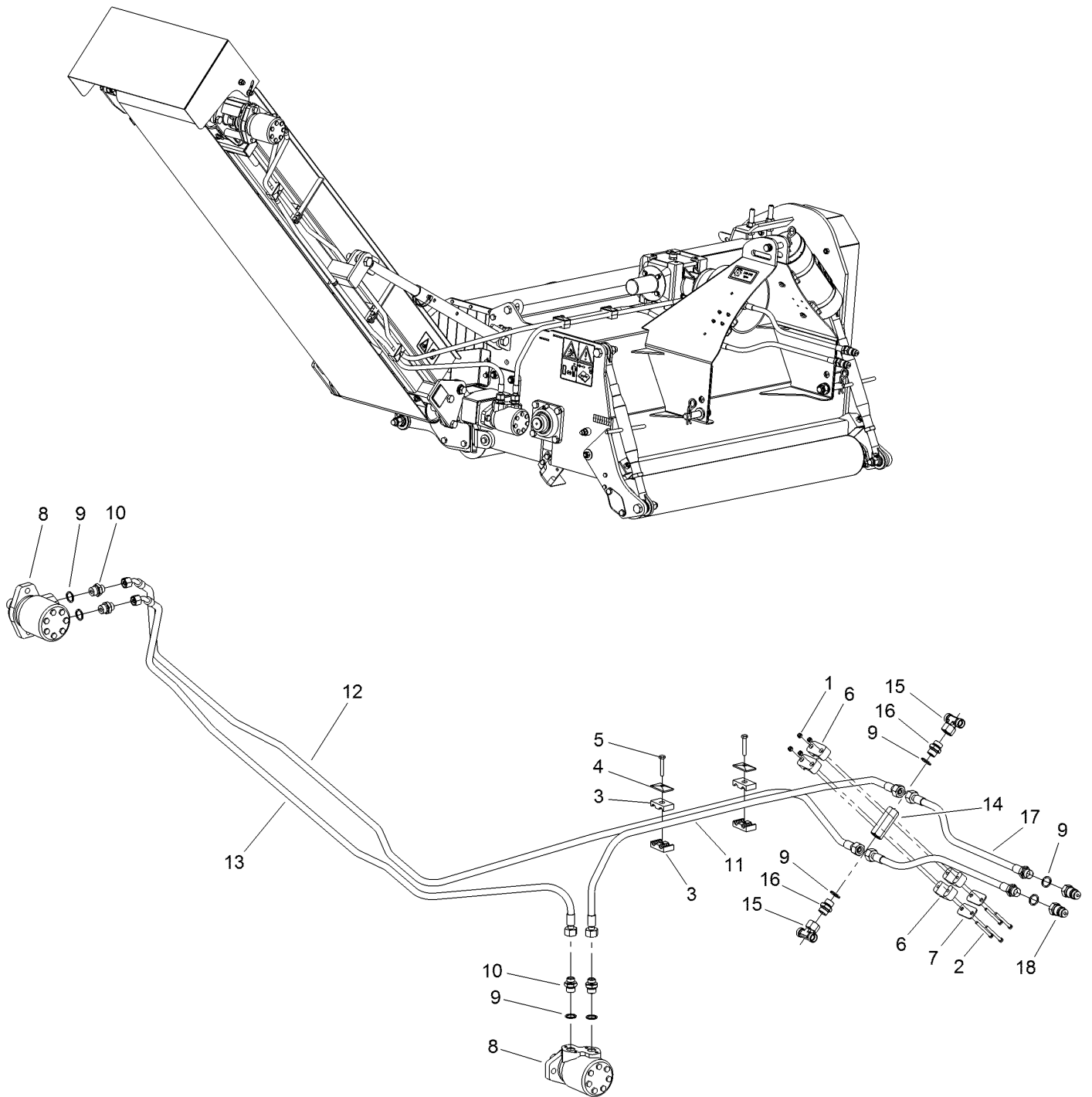
Hybrid Rotor Assembly



Hybrid Rotor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-7717	92	Nut, Self Locking - M 10	5	144-8870	2	Small Ring Connection Plate (Optional)
2	144-8069	92	Mh Bolt M10 X 30 ISO 8677	6	144-8871	1	Hyb. Rotor Ns470 Complete ASM (Optional)
3	144-8869	1	Scarify Rotor Ns470 (Optional)				
4	144-8071	92	Hybrid Blade 13MM				

Hydraulic Conveyor Assembly

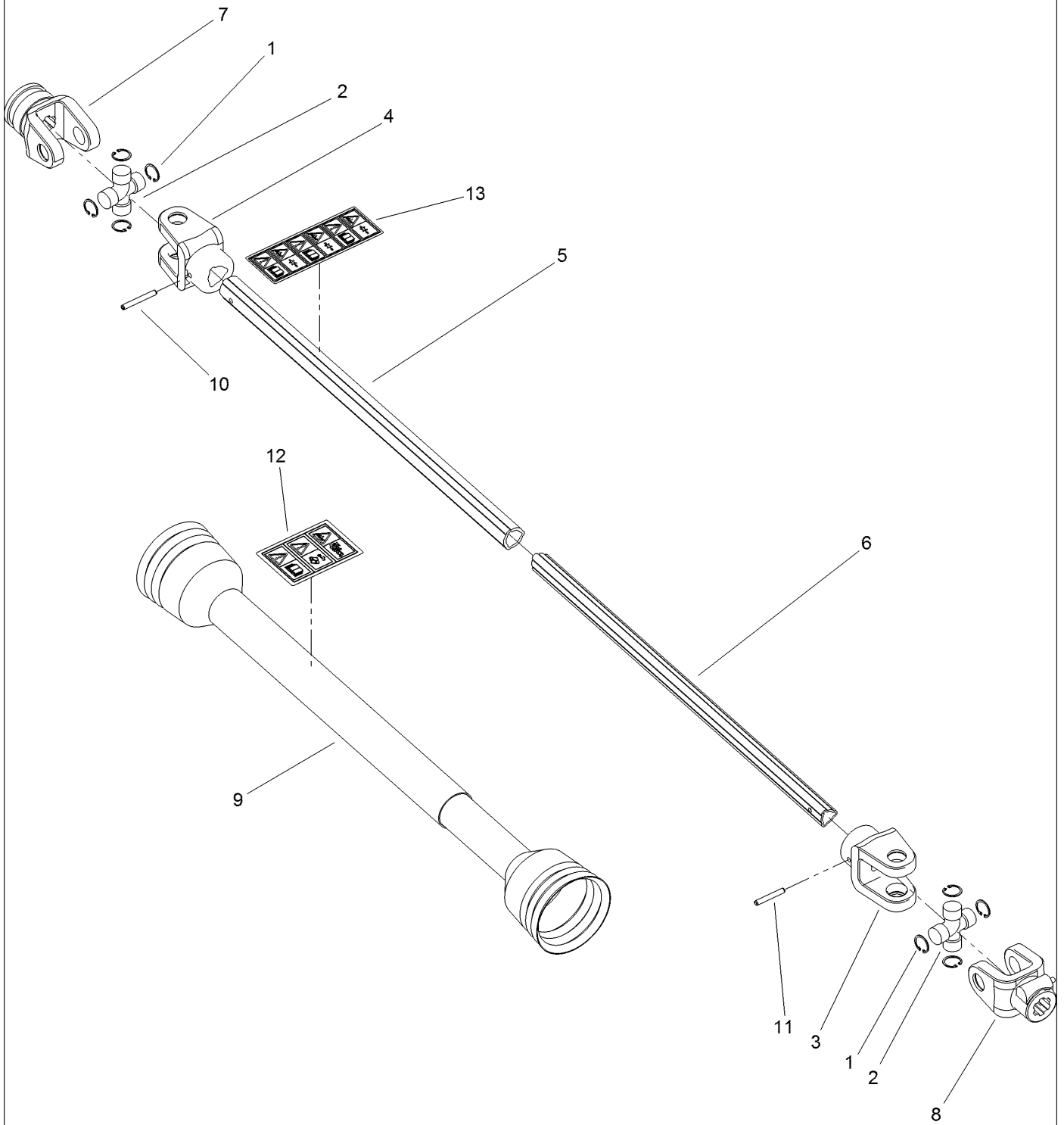


Hydraulic Conveyor Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-7940	4	Self Lock Nut M6 - ISO 10511	11	144-8872	1	Hose Nsk10-3/8"
2	144-8252	4	Bolt M6 X 60 - ISO 4014	12	144-8873	1	Hose Nsk10-3/8"
3	144-8711	4	Hose Clamp Double 15MM	13	144-8874	1	Hose Nsk10-3/8"
4	144-8712	2	Cover Plate Hose Clamp 2X15 - 2X18	14	144-8086	1	SI Non-Return Valve 1/2", 10.0 Bar
5	144-8024	2	Bolt M8 X 45 - ISO 4014	15	144-8087	2	T-Connector Pm, Pipe 15-M22
6	144-8090	4	Pipe Clamp Single Ø30 GR4	16	144-8088	2	Nipple BSP 1_2" X Pipe 15 (M22)
7	144-8091	2	Deck Plate GR4	17	144-8875	2	Hose Nsk10-3/8"
8	144-8819	2	HYD. Motor Omp 25	18	144-8073	2	Quick Connector Male 1/2"
9	144-8074	8	Copper Washer 1_2				
10	144-8713	4	Nipple BSP 1_2" X Pipe 12 (M18)				

Power Take Off Assembly

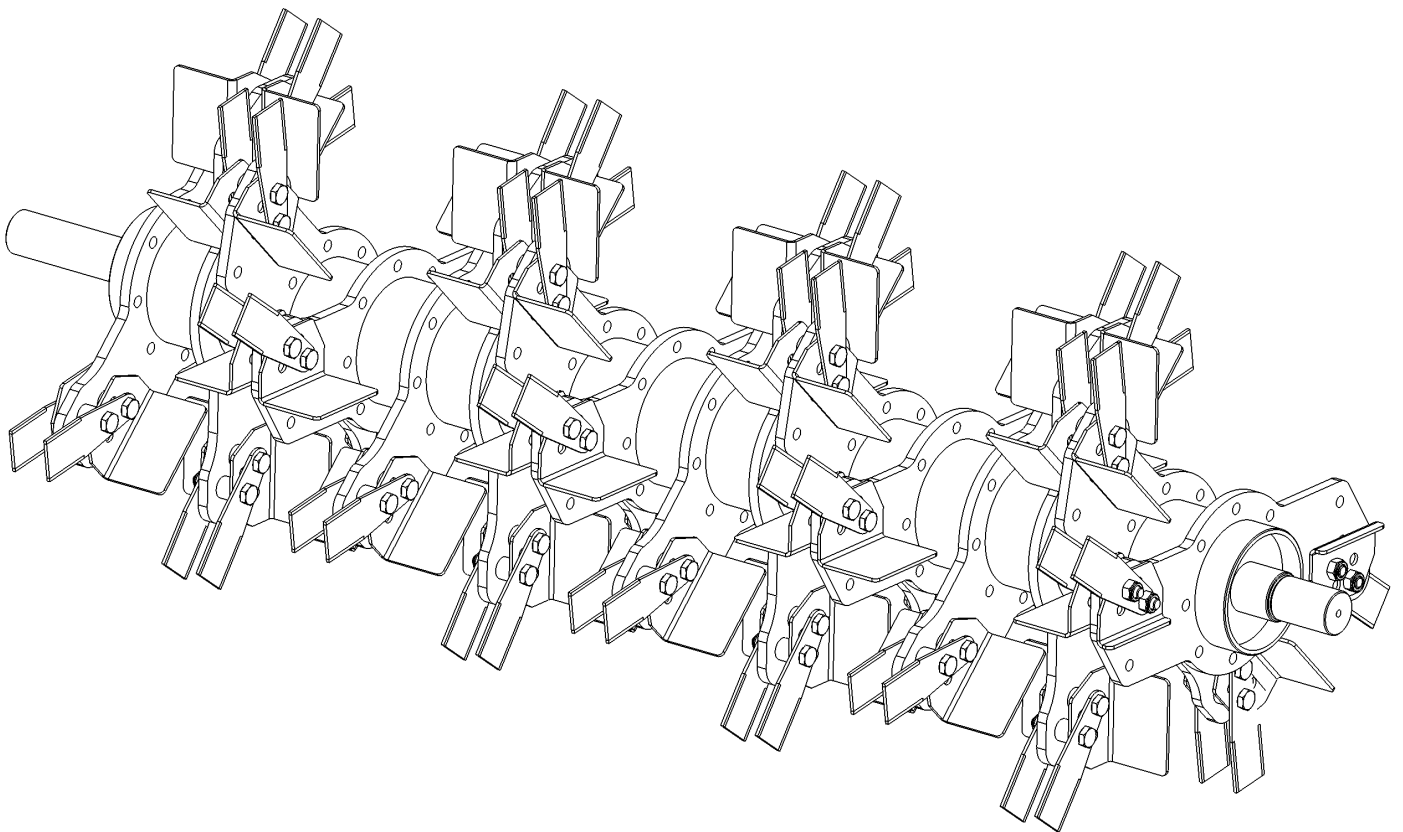
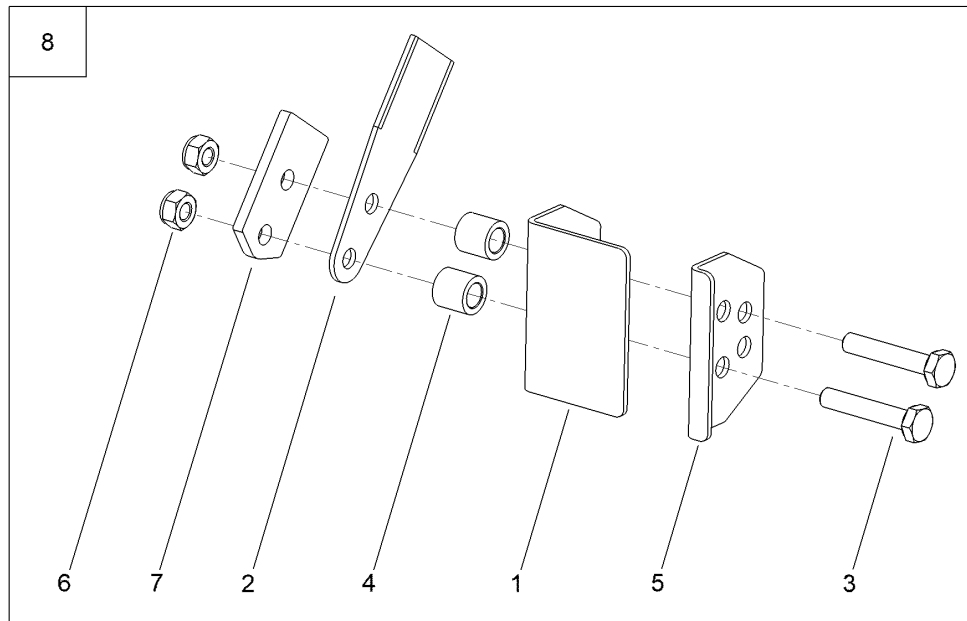
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Power Take Off Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	144-8876	8	Circlip D=30 - Din 472	8	144-8877	1	Push Pin Yoke Type 40
2	144-8328	2	Cross And 4X Circlip Kit	9	144-8334	1	Complete Guard 40-Series
3	144-8329	1	Inner Tube Yoke Type 40	10	144-8336	1	Roll Pin 8 X 65
4	144-8330	1	Outer Tube Yoke Type 40	11	144-8337	1	Roll Pin 8 X 55
5	144-8331	1	T40-Series Outer Tube	12	144-8338	1	Decal - PTO Outside
6	144-8332	1	T40-Series Inner Tube	13	144-8339	1	Decal - PTO Inner
7	144-8333	1	Complete Collar Yoke Type 40	14	144-7765	1	PTO

Scarifier Assembly



Scarifier Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	145-7559	60	Wind Paddle Ts	4	145-7557	60	Distance Bush
2	144-8067	62	Scarify Blade 3MM	5	145-7560	4	Wind Paddle Side
3	144-7768	4	Bolt M 10 X 30	6	144-7717	64	Nut, Self Locking - M 10
3	144-7947	2	Bolt M10 X 35 - ISO 4017	7	144-8068	31	Balance Strip
3	144-8568	62	Bolt M10 X 55 - ISO 4014	8	145-7555	1	Nusurface 470 Verti-Cut Blade Kit
3	145-7558	30	Bolt M10 X 60				

Notes:

Notes:



Count on it.