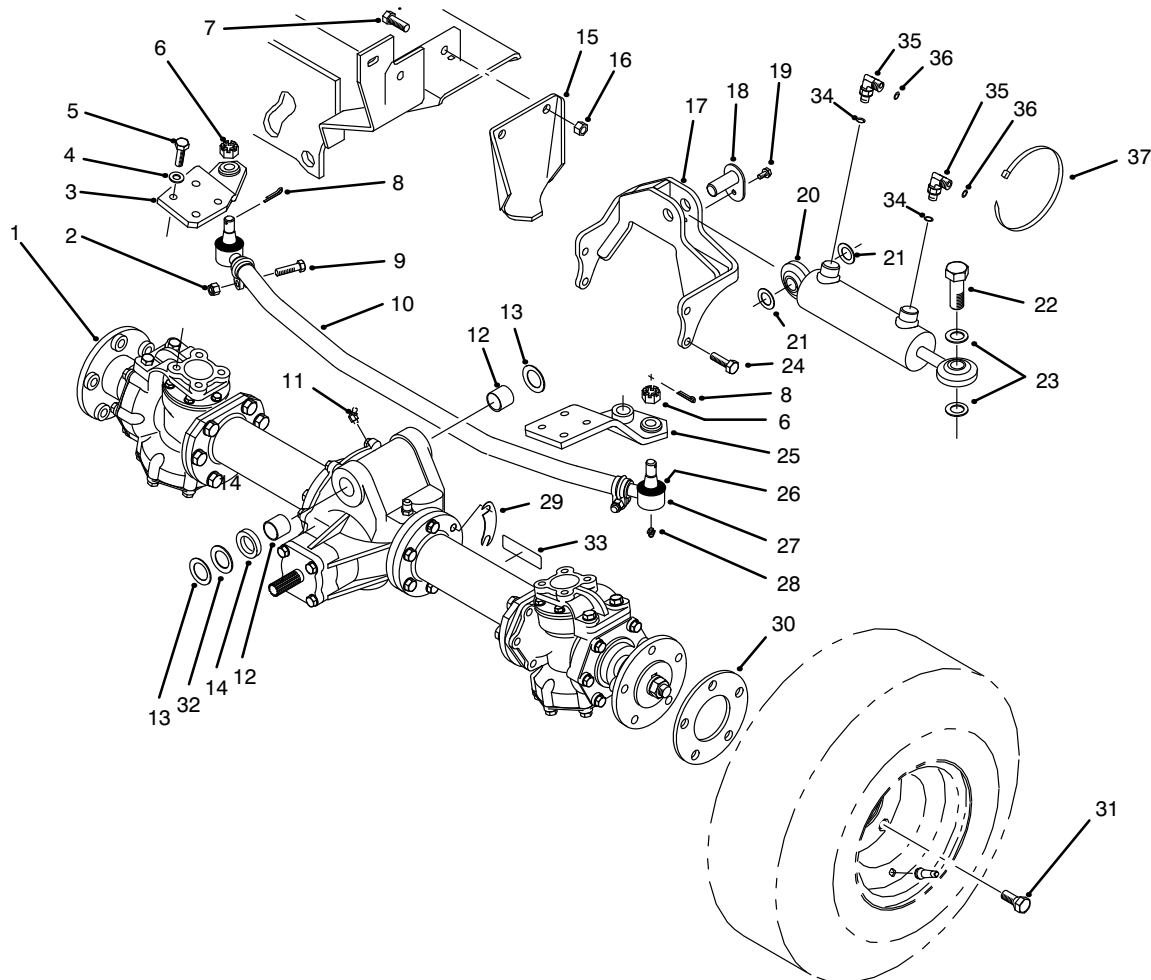




MODEL NO. 03517-50001 & UP

PARTS CATALOG

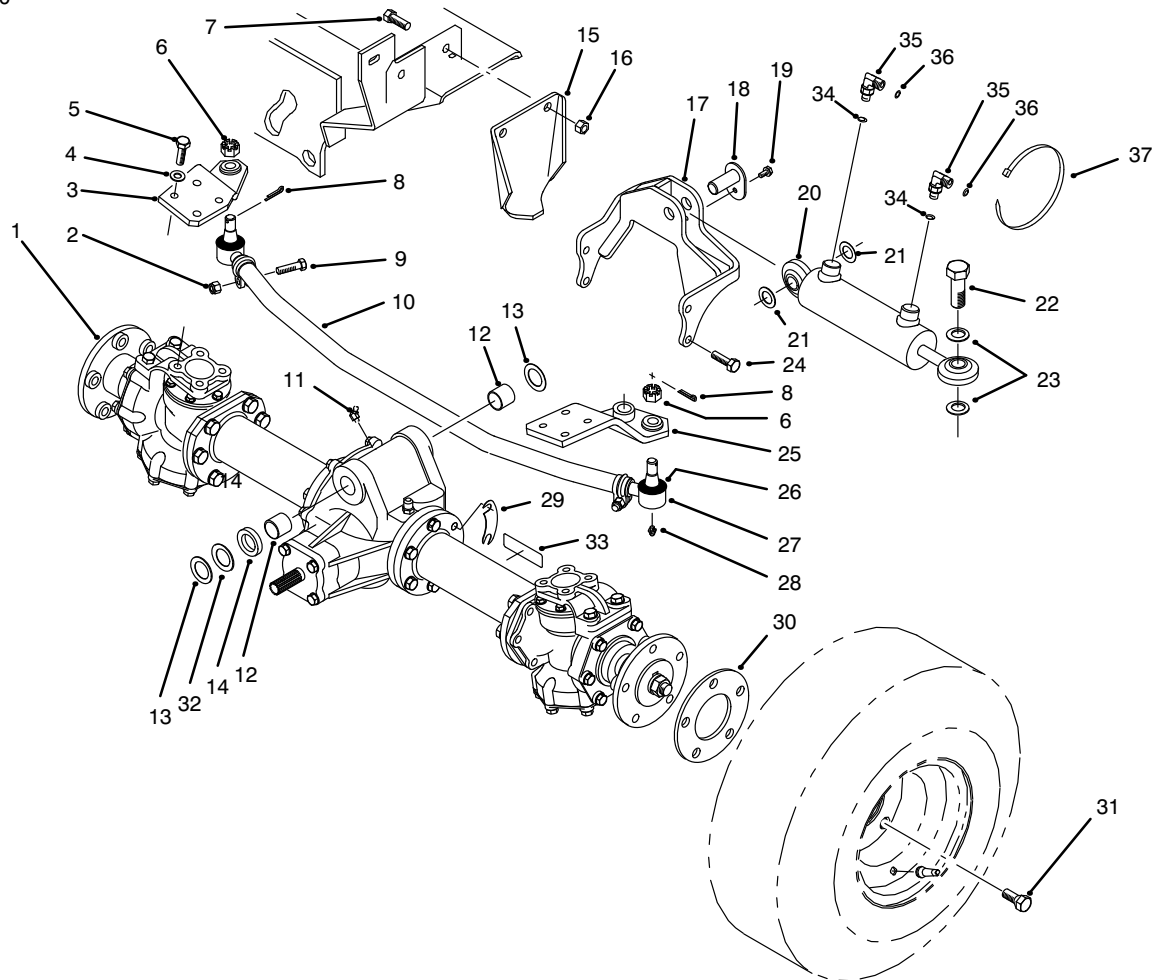
4 WHEEL DRIVE KIT For REELMASTER® 223D, 5100D & 5300D



T-1298

REAR AXLE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	68-6823	Axle Assembly	1	16	3296-23	Nut - Lock	4
2	3296-39	Nut - Lock	2	17	83-5100	Support - Cylinder	1
3	83-4950	Arm - Steering R.H.	1	18	83-5150	Pin - Cylinder	1
4	48-9220	Washer - Flat	8	19	32144-4	Screw - Self Tapping	1
5	48-7780	Screw - Cap Hex. Hd.	8	20	83-5030	Hydraulic Cylinder Assembly	1
6	32136-13	Nut - Slotted	2	21	83-5160	Shim	A/R
7	325-5	Screw - Cap Hex. Hd.	4	22	82-6910	Screw - Cap Hex. Hd.	1
8	3272-11	Pin - Cotter	1	23	67-9410	Washer - Thrust	2
9	323-9	Screw - Cap Hex. Hd.	2	24	48-9480	Screw - Cap Hex. Hd.	4
10	83-5020	Tube & Clamp Assembly	1	25	83-4930	Arm - Steering L.H.	1
11	302-11	Fitting - Grease	1	26	71-4760	Seal - Tie Rod End	2
12	67-1750	Bushing - Sleeve	2	27	71-4740	Tie Rod End Assembly (Incl. Ref. #6, 26 & 28)	2
13	56-2460	Washer - Flat	3	28	302-55	Fitting - Grease	2
14	83-5040	Washer	1	29	83-5180	Shim - Axle	A/R
15	83-5110	Stop - Axle	2				



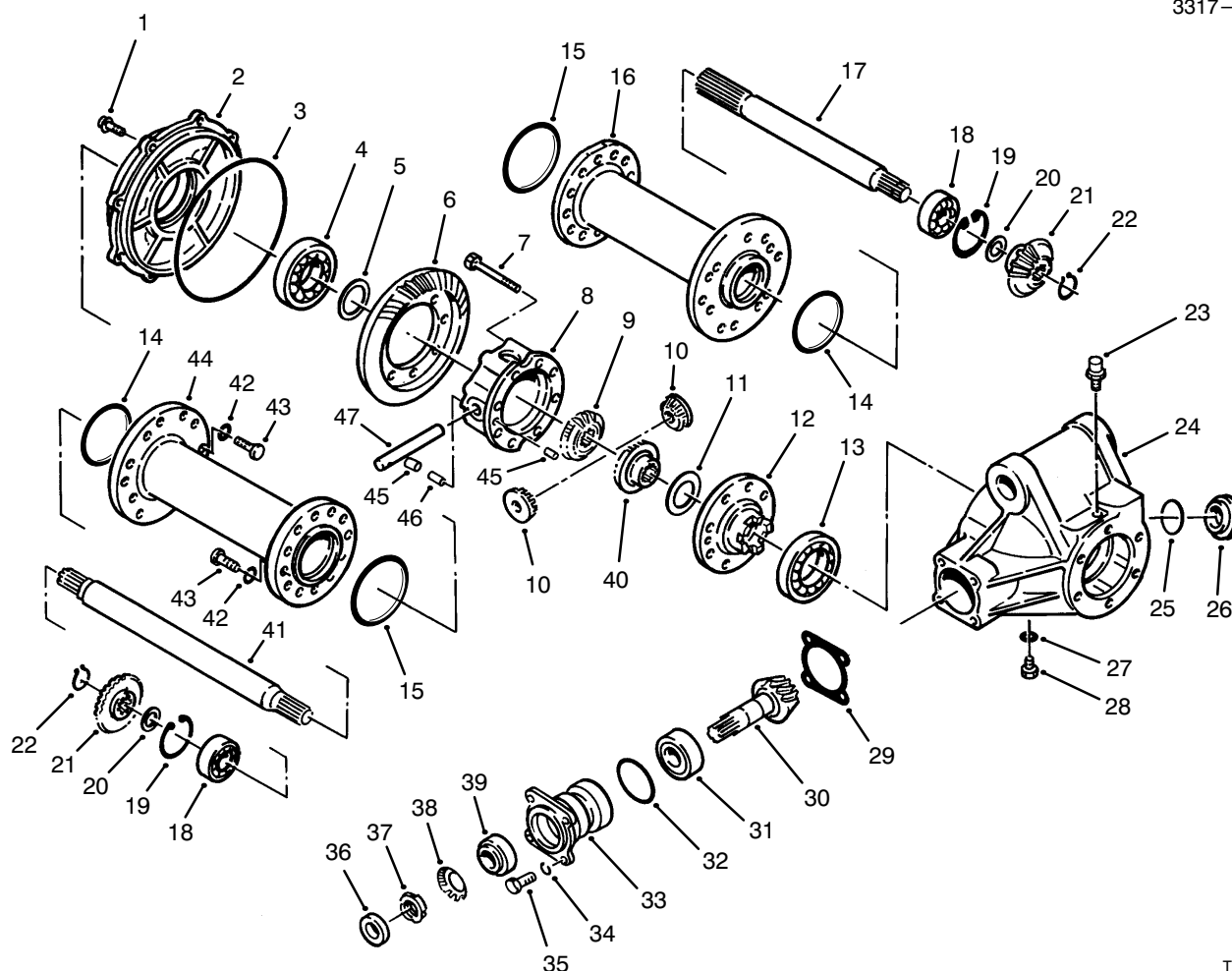
T-1298

REAR AXLE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
30	83-7460	Spacer – Wheel	2
31	71-4450	Bolt – Wheel	10
32	5-1226	Washer	2
33	70-2560	Decal – Gear Lube	1
34	237-78	Seal – O-Ring	2
35	340-132	Fitting – Hydraulic 90° (Incl. Ref. #34 & 36)	2

Ref. No.	Part No.	Description	No. Used
36	237-21	Seal – O-Ring	2
37	3290-379	Tie – Cable	3
*	83-5010	Tie Rod Assembly (Incl. Ref. #2, 6, 9-10 & 26-28)	1
*	72-3560	Decal – 4 Wheel Drive (Tool Box & Control Box)	2

*Not Illustrated

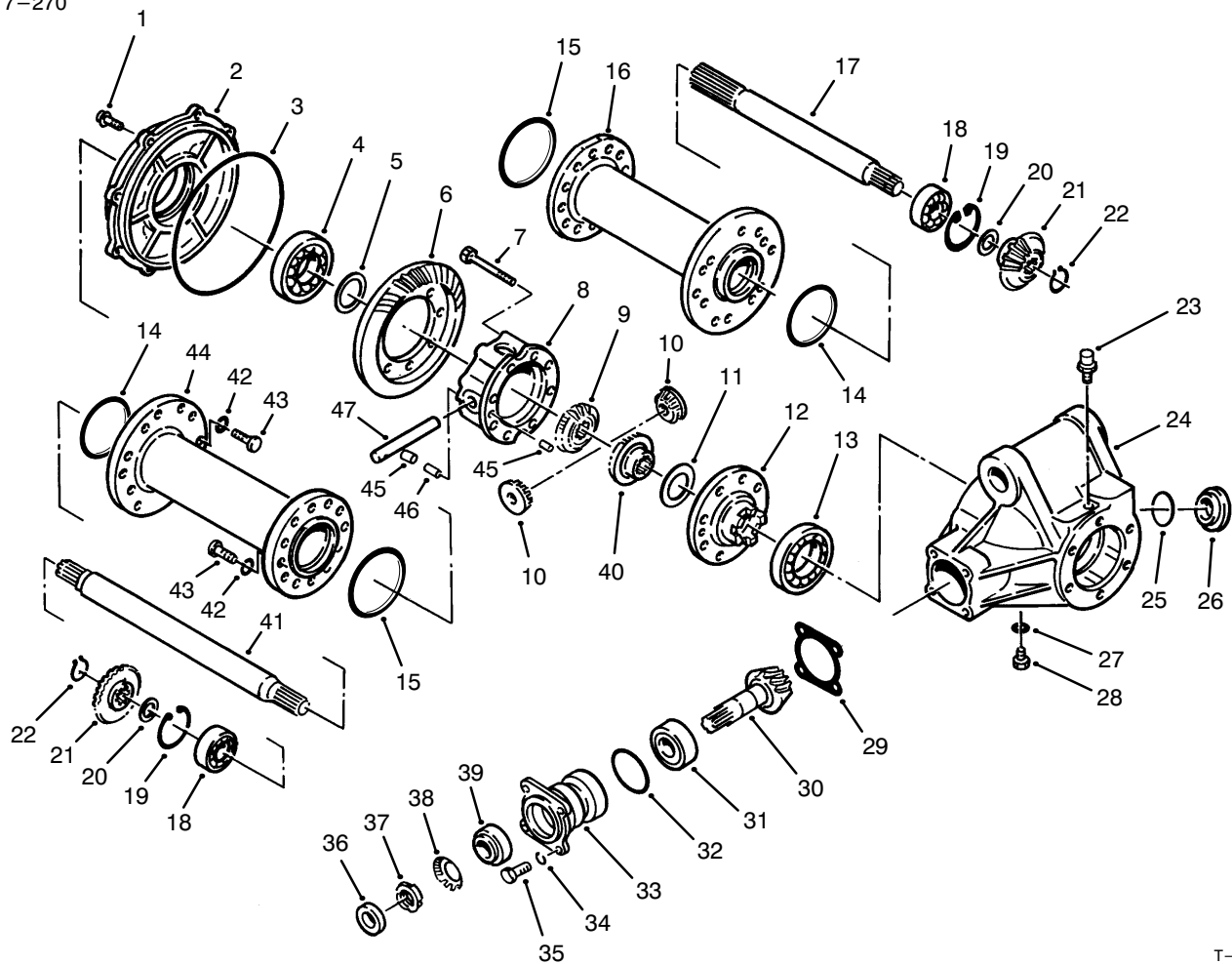


T-1305A

REAR AXLE ASSEMBLY NO. 68-6823

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-5800	Bolt	8	22	72-5370	Ring - Retaining	2
2	72-4880	Cover	1	23	72-5130	Vent	1
3	72-4890	O-Ring	1	24	72-4870	Case - Differential	1
4	251-344	Bearing - Ball	1	25	72-5140	O-Ring	1
5	72-4960	Shim .1 mm	1	26	72-5150	Plug	1
*	72-4970	Shim .15 mm	1	27	72-5840	Gasket	1
*	72-4980	Shim .5 mm	1	28	72-5820	Plug	1
*	72-4990	Shim .8 mm	1	29	72-5160	Shim .1mm	1
*	72-5000	Shim 1.0 mm	1	*	72-5170	Shim .15 mm	1
*	72-5010	Shim 1.2 mm	1	*	72-5180	Shim .5 mm	1
6		Gear - Bevel	1	*	72-5190	Shim .8 mm	1
7	72-5810	Bolt	8	*	72-5200	Shim 1.0 mm	1
8	72-4900	Case - Differential	1	*	72-5210	Shim 1.2 mm	1
9	72-4930	Gear - Side Differential	1	30		Gear - Pinion	1
10	72-4950	Gear - Pinion Differential	2	31	254-108	Bearing - Roller	1
11	72-5040	Washer - Gear	1	32	72-5460	O-Ring	1
12	72-4910	Flange - Case	1	33	83-5350	Case - Bearing	1
13	251-345	Bearing - Ball	1	34	42-9850	Washer - Lock M8	8
14	93-3664	O-Ring	2	35	48-9460	Bolt - Hex. Hd.	4
15	93-3665	O-Ring	2	36	83-5360	Seal - Oil	1
16	83-5270	Tube - Axle RH	1	37	83-5340	Nut - Bearing	1
17	83-5280	Axle - RH	1	38	83-5330	Washer - Bearing	1
18	251-350	Bearing - Ball	2	39	254-109	Bearing - Roller	1
19	72-5360	Ring - Retaining	2	40	72-4940	Gear - Side Differential	1
20	72-5100	Spacer	2	41	83-5310	Axle - LH	1
21	72-5090	Gear - Bevel	2	42	42-9600	Washer - Lock M10	24

*Not Illustrated



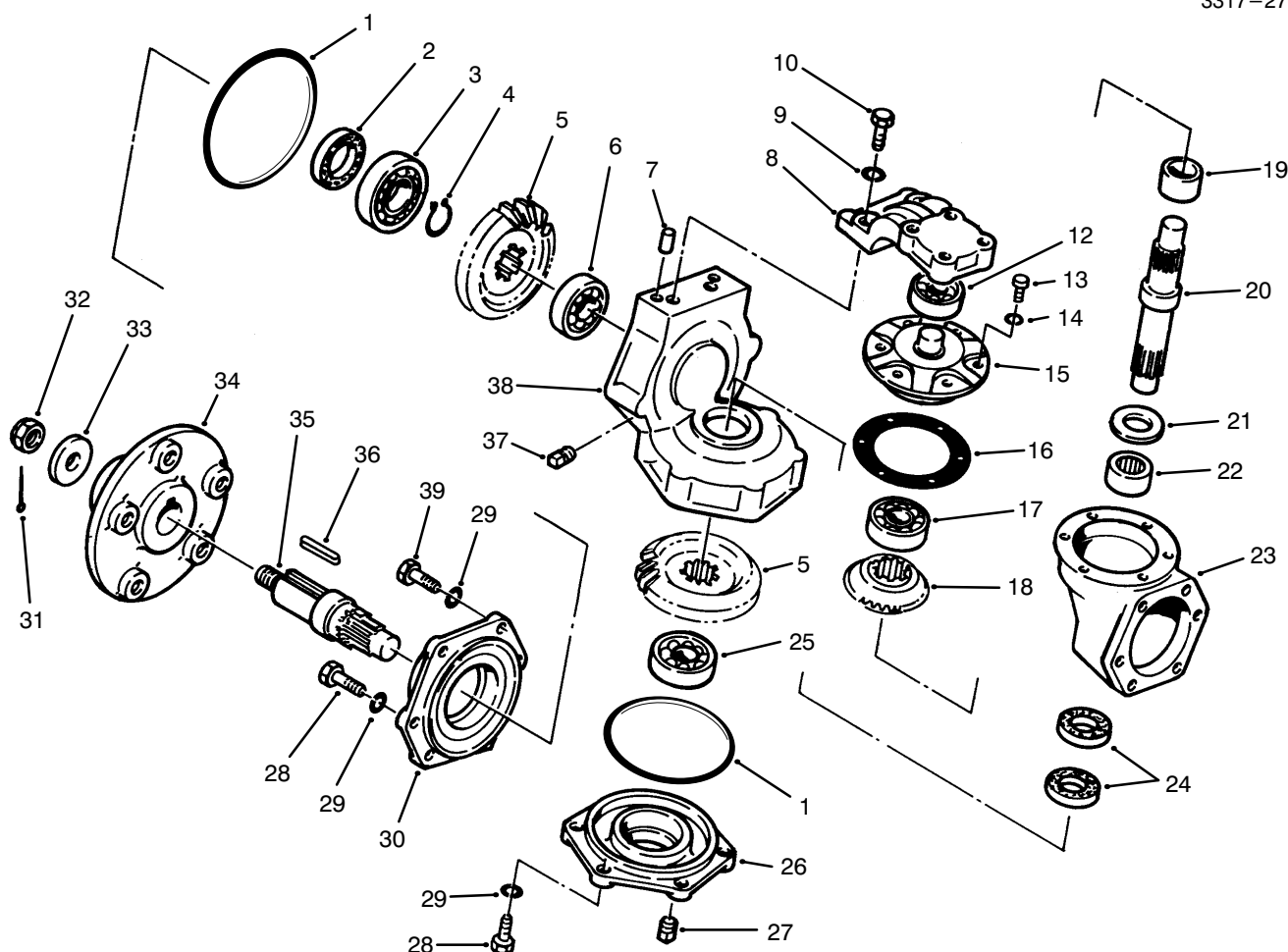
T-1305A

REAR AXLE ASSEMBLY NO. 68-6823 (Continued)

Ref. No.	Part No.	Description	No. Used
43	48-9470	Bolt	24
44	83-5290	Tube - Axle LH	1
45	72-5030	Pin - Dowel	2
46	72-5440	Pin - Spring	1

Ref. No.	Part No.	Description	No. Used
47	72-5020	Shaft - Pinion	1
*	83-5370	Ring & Pinion Assembly (Incl. Ref.#6 & 30)	1

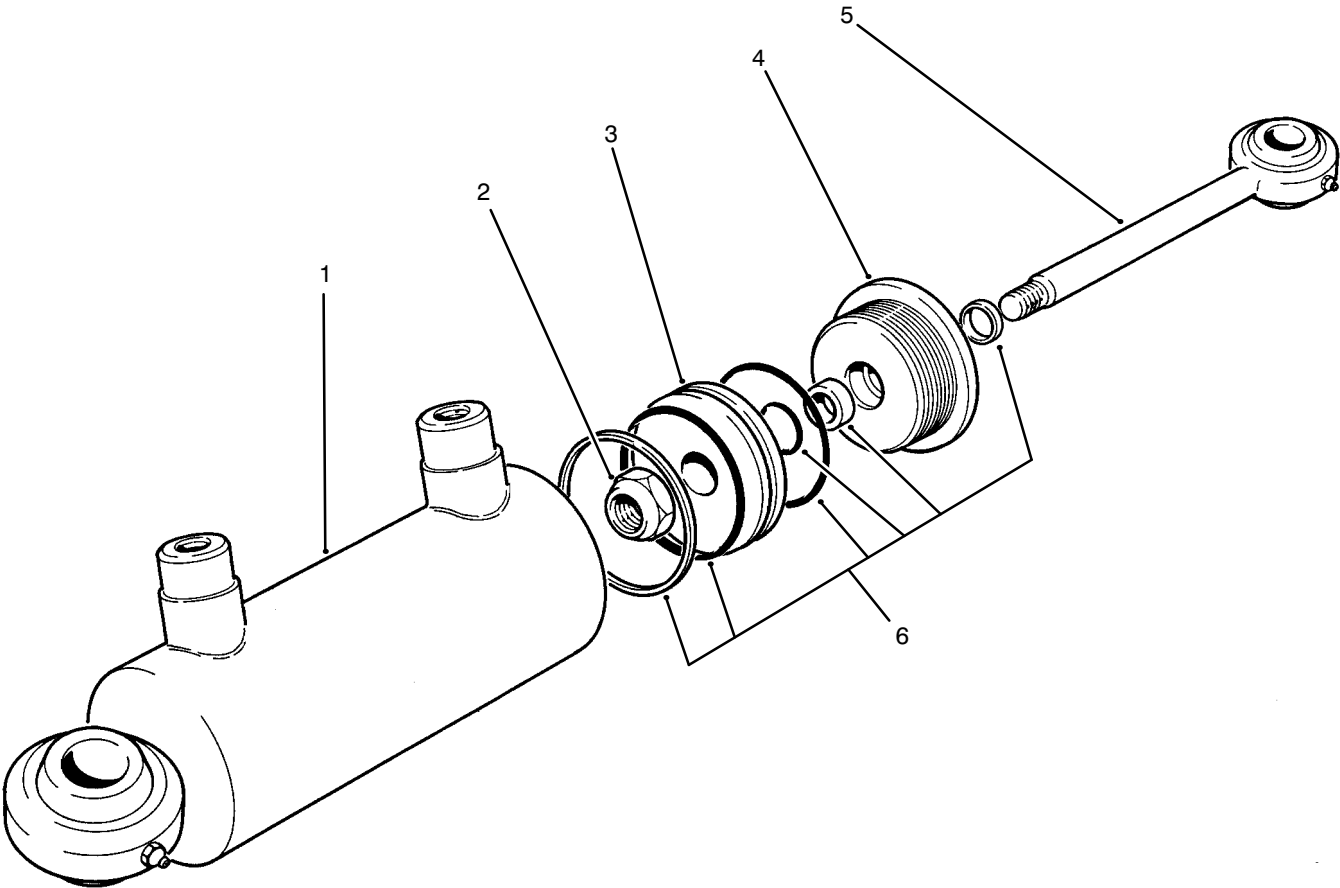
*Not Illustrated



T-0912A

REAR AXLE ASSEMBLY NO. 68-6823 (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	93-3670	O-Ring	4	21	72-5600	Washer - Thrust	2
2	72-5740	Seal - Oil	2	22	72-5640	Bearing - Needle	2
3	251-348	Bearing - Ball	2	23	72-5510	Gear Box - Axle	2
4	72-5720	Ring - Retaining	2	24	72-5730	Seal - Oil	4
5	72-5580	Gear - Bevel	4	25	251-263	Bearing - Ball	2
6	251-8	Bearing - Ball	2	26	72-5550	Cover	2
7	72-5670	Pin - Dowel	4	27	281-10	Plug - Socket Hex.	2
8	77-2980	Arm - Knuckle	2	28	48-9460	Screw - Cap	20
9	42-9600	Washer - Lock	28	29	42-9850	Washer - Lock	28
10	48-9470	Screw - Cap	4	30	72-5540	Case - Knuckle	2
12	251-347	Bearing - Ball	2	31	3272-17	Pin - Cotter	2
13	72-5790	Screw - Cap	12	32	72-5770	Nut - Castell	2
14	43-5930	Washer - Lock	12	33	72-5660	Washer - Shaft Wheel	2
15	72-5590	Retainer - Bearing	2	34	72-5650	Hub - Wheel	2
16	72-5630	Gasket	2	35	72-5570	Shaft - Axle Outer	2
17	251-349	Bearing - Ball	2	36	72-5780	Key	2
18	72-5090	Gear - Bevel	2	37	281-7	Plug - Pipe, Square Hd.	2
19	72-5680	Spacer	2	38	72-5520	Case - Knuckle	2
20	72-5560	Pin - King Knuckle	2	39	48-7710	Screw - Cap	4



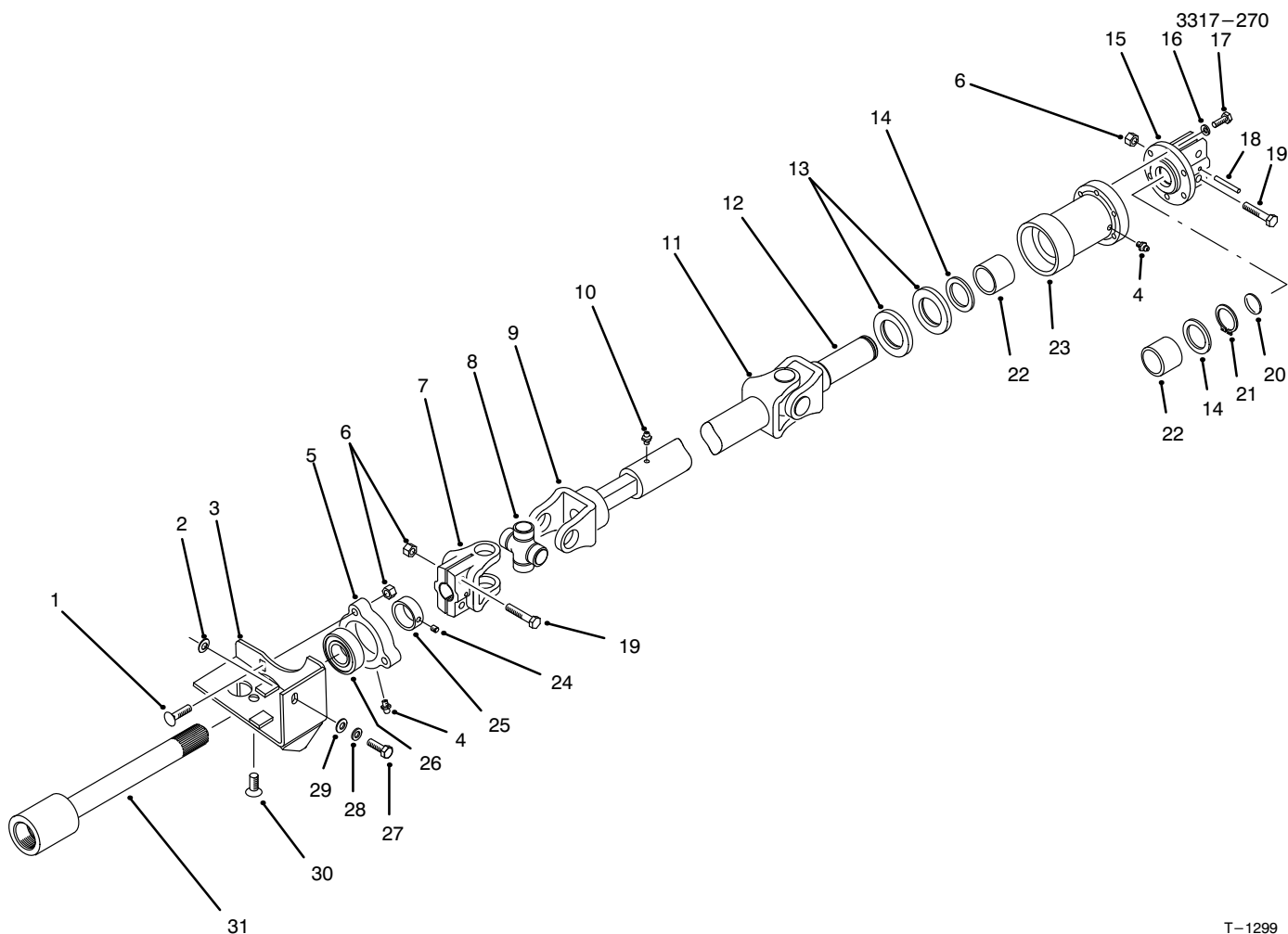
T-0996

HYDRAULIC CYLINDER ASSEMBLY NO. 83-5030

Ref. No.	Part No.	Description	No. Used
†1		Barrel Assembly	1
2	75-1210	Nut - Lock	1
3	75-1220	Piston	1

Ref. No.	Part No.	Description	No. Used
4	75-1260	Head - Internal	1
5	83-5380	Piston Rod Assembly	1
6	75-1250	Seal Kit	1

†Not Serviced Separately



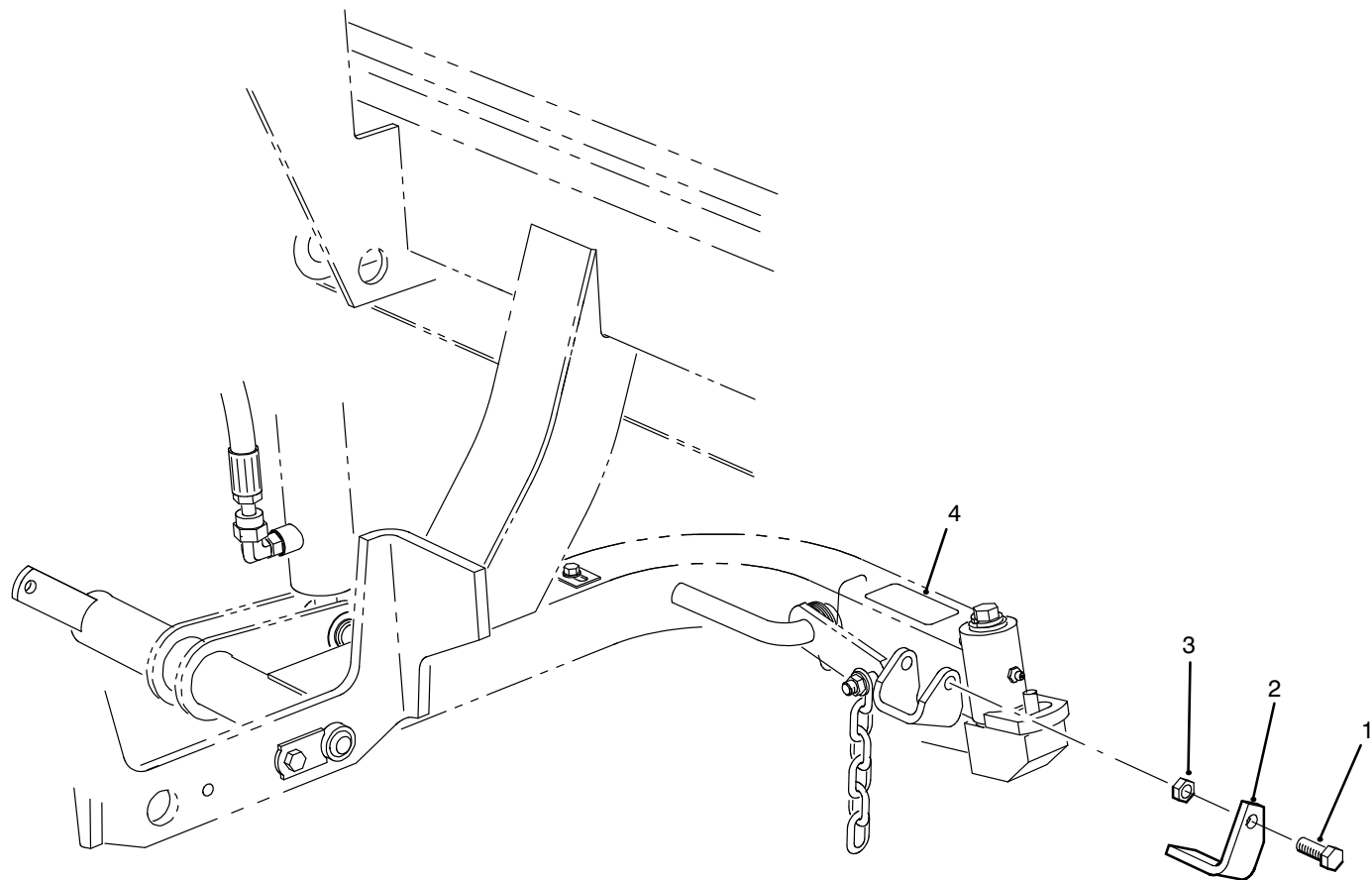
T-1299

DRIVE SHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3230-3	Bolt - Carriage	3
2	83-7470	Shim	2
3	83-4970	Bracket - Bearing	1
4	302-5	Fitting - Grease	2
5	76-2460	Bearing Assembly (Incl. Ref. #4 & 24-26)	1
6	3296-29	Nut - Lock	7
7	54-9090	Yoke - End	1
8	54-9180	Kit - Universal Joint	2
9	72-3420	Shaft - Slip Yoke	1
10	302-58	Fitting - Grease	1
11	83-5260	Tube - Slip Yoke	1
12	72-3440	Yoke - Shaft	1
13	253-155	Seal	2
14	71-4590	Washer - Thrust	2
15	76-4690	Axle Coupling Assembly (Incl. Ref. #6 & 19)	1
16	3253-3	Washer - Lock	6

Ref. No.	Part No.	Description	No. Used
17	3274-8	Screw - Cap Hex. Hd.	6
18	32121-34	Pin - Roll	1
19	322-8	Screw - Cap Hex. Hd.	4
20	284-3	Plug - Welch	1
21	32151-87	Ring - Retaining	1
22	71-4580	Clutch - Roller	2
23	71-4570	Housing - Clutch	1
24	3245-35	Screw - Set	1
25	251-77	Collar - Locking	1
26	251-337	Bearing - Ball	1
27	48-9460	Screw - Cap Hex. Hd.	1
28	42-9850	Washer - Lock	1
29	48-8030	Washer - Flat	1
30	3274-34	Screw - Socket Flat Hd.	1
31	83-4900	Shaft - Traction	1
*	83-5190	Drive Shaft Assembly (Incl. Ref. #7-12)	1

*Not Illustrated

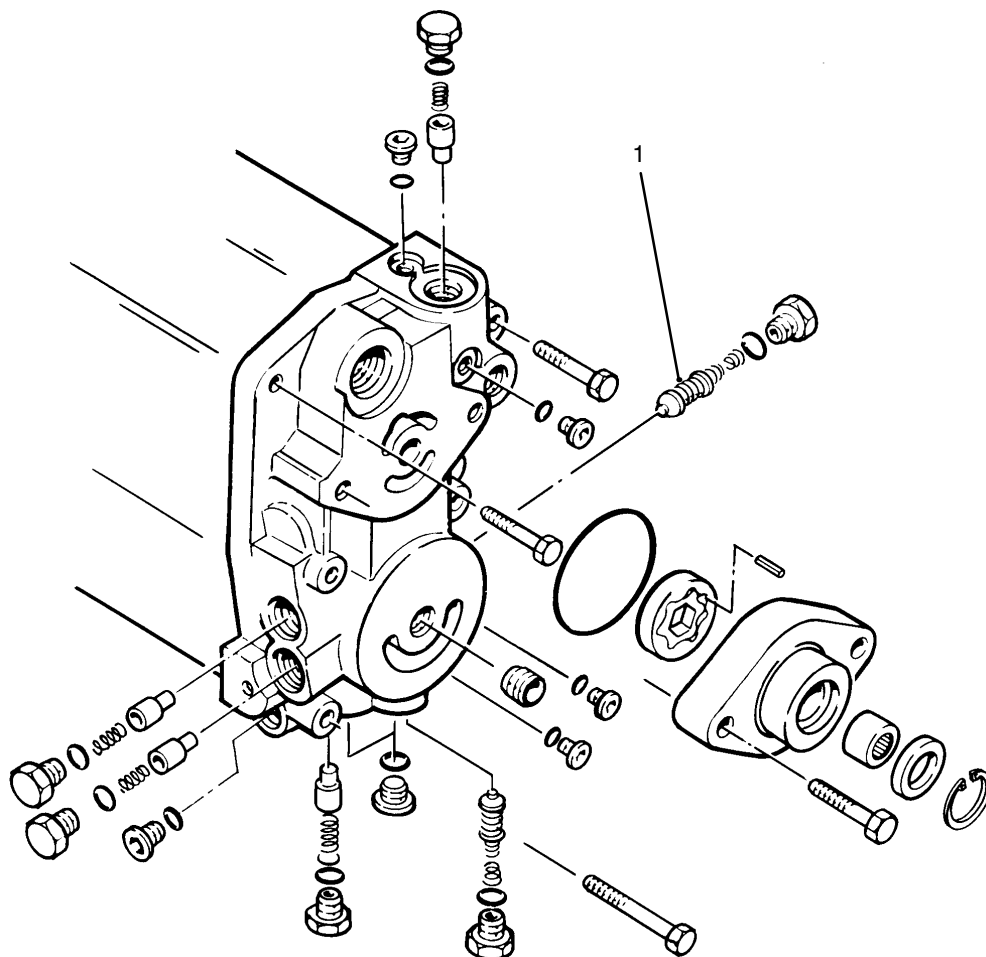


T-1300A

CUTTING UNIT STOP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323-6	Screw - Cap Hex. Hd.	1
2	83-5170	Stop - Cutting Unit	1

Ref. No.	Part No.	Description	No. Used
3	3296-39	Nut - Lock	1
4	55-4300	Decal - Danger	1

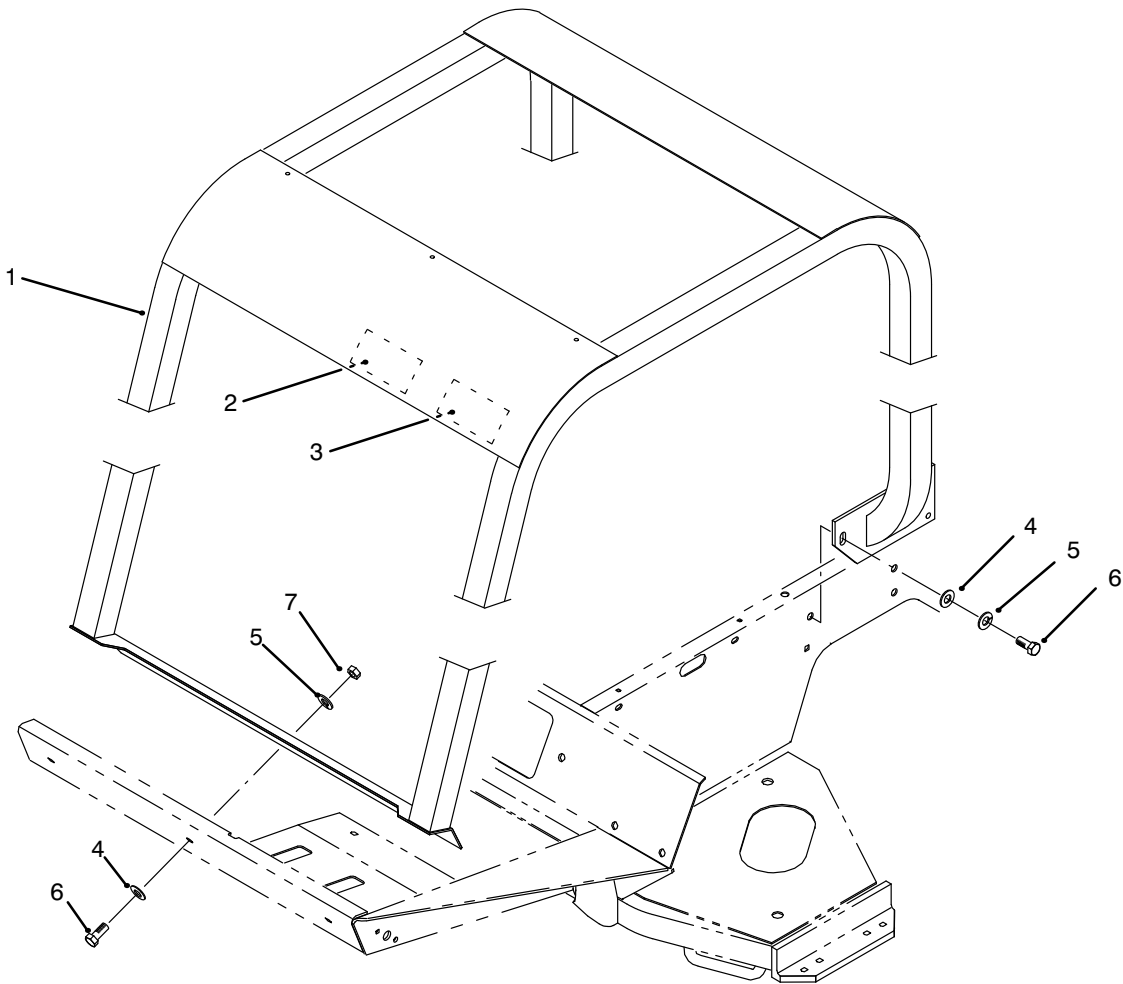


T-1303

HYDROSTAT SCR VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-4890	Valve – SCR (220 BAR/3200 PSI)	1

Ref. No.	Part No.	Description	No. Used



T-1959

ROLL OVER PROTECTION SYSTEM (ROPS) ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-7410	Roll - Bar	1
2	85-9980	Decal - ROPS	1
3	83-7430	Decal - Danger	1
4	3256-26	Washer - Flat	9
5	3253-7	Washer - Lock	9

Ref. No.	Part No.	Description	No. Used
6	325-5	Screw - Cap Hex. Hd.	9
7	3217-9	Nut - Lock	3
*	21-4191	Seat Belt Assembly	1
*	3212-4	Screw - Cap Hex. Hd.	2
*	3253-6	Washer - Lock	2

*Not Illustrated

TORO PART NUMBER INDEX

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
5-1226	Washer	2 32 2	72-5520	Case - Knuckle	5 38 2
21-4191	Seat Belt Assembly	10 * 1	72-5540	Case - Knuckle	5 30 2
42-9600	Washer - Lock	5 9 28	72-5550	Cover	5 26 2
42-9600	Washer - Lock M10	3 42 24	72-5560	Pin - King Knuckle	5 20 2
42-9850	Washer - Lock	7 28 1	72-5570	Shaft - Axle Outer	5 35 2
42-9850	Washer - Lock	5 29 28	72-5580	Gear - Bevel	5 5 4
42-9850	Washer - Lock M8	3 34 8	72-5590	Retainer - Bearing	5 15 2
43-5930	Washer - Lock	5 14 12	72-5600	Washer - Thrust	5 21 2
48-7710	Screw - Cap	5 39 4	72-5630	Gasket	5 16 2
48-7780	Screw - Cap Hex. Hd.	1 5 8	72-5640	Bearing - Needle	5 22 2
48-8030	Washer - Flat	7 29 1	72-5650	Hub - Wheel	5 34 2
48-9220	Washer - Flat	1 4 8	72-5660	Washer - Shaft Wheel	5 33 2
48-9460	Bolt - Hex. Hd.	3 35 4	72-5670	Pin - Dowel	5 7 4
48-9460	Screw - Cap	5 28 20	72-5680	Spacer	5 19 2
48-9460	Screw - Cap Hex. Hd.	7 27 1	72-5720	Ring - Retaining	5 4 2
48-9470	Bolt	4 43 24	72-5730	Seal - Oil	5 24 4
48-9470	Screw - Cap	5 10 4	72-5740	Seal - Oil	5 2 2
48-9480	Screw - Cap Hex. Hd.	1 24 4	72-5770	Nut - Castell	5 32 2
54-9090	Yoke - End	7 7 1	72-5780	Key	5 36 2
54-9180	Kit - Universal Joint	7 8 2	72-5790	Screw - Cap	5 13 12
55-4300	Decal - Danger	8 4 1	72-5800	Bolt	3 1 8
56-2460	Washer - Flat	1 13 3	72-5810	Bolt	3 7 8
67-1750	Bushing - Sleeve	1 12 2	72-5820	Plug	3 28 1
67-9410	Washer - Thrust	1 23 2	72-5840	Gasket	3 27 1
68-6823	Axle Assembly	1 1 1	75-1210	Nut - Lock	6 2 1
70-2560	Decal - Gear Lube	2 33 1	75-1220	Piston	6 3 1
71-4450	Bolt - Wheel	2 31 10	75-1250	Seal Kit	6 6 1
71-4570	Housing - Clutch	7 23 1	75-1260	Head - Internal	6 4 1
71-4580	Clutch - Roller	7 22 2	76-2460	Bearing Assembly	7 5 1
71-4590	Washer - Thrust	7 14 2	76-4690	Axle Coupling Assembly	7 15 1
71-4740	Tie Rod End Assembly	1 27 2	77-2980	Arm - Knuckle	5 8 2
71-4760	Seal - Tie Rod End	1 26 2	82-6910	Screw - Cap Hex. Hd.	1 22 1
72-3420	Shaft - Slip Yoke	7 9 1	83-4890	Valve - SCR	9 1 1
72-3440	Yoke - Shaft	7 12 1	83-4900	Shaft - Traction	7 31 1
72-3560	Decal - 4 Wheel Drive	2 * 2	83-4930	Arm - Steering L.H.	1 25 1
72-4870	Case - Differential	3 24 1	83-4950	Arm - Steering R.H.	1 3 1
72-4880	Cover	3 2 1	83-4970	Bracket - Bearing	7 3 1
72-4890	O-Ring	3 3 1	83-5010	Tie Rod Assembly	2 * 1
72-4900	Case - Differential	3 8 1	83-5020	Tube & Clamp Assembly	1 10 1
72-4910	Flange - Case	3 12 1	83-5030	Hydraulic Cylinder Assembly	1 20 1
72-4930	Gear - Side Differential	3 9 1	83-5040	Washer	1 14 1
72-4940	Gear - Side Differential	3 40 1	83-5100	Support - Cylinder	1 17 1
72-4950	Gear - Pinion Differential	3 10 2	83-5110	Stop - Axle	1 15 2
72-4960	Shim .1 mm	3 5 1	83-5150	Pin - Cylinder	1 18 1
72-4970	Shim .15 mm	3 * 1	83-5160	Shim	1 21 A/R
72-4980	Shim .5 mm	3 * 1	83-5170	Stop - Cutting Unit	8 2 1
72-4990	Shim .8 mm	3 * 1	83-5180	Shim - Axle	1 29 A/R
72-5000	Shim 1.0 mm	3 * 1	83-5190	Drive Shaft Assembly	7 * 1
72-5010	Shim 1.2 mm	3 * 1	83-5260	Tube - Slip Yoke	7 11 1
72-5020	Shaft - Pinion	4 47 1	83-5270	Tube - Axle RH	3 16 1
72-5030	Pin - Dowel	4 45 2	83-5280	Axle - RH	3 17 1
72-5040	Washer - Gear	3 11 1	83-5290	Tube - Axle LH	4 44 1
72-5090	Gear - Bevel	5 18 2	83-5310	Axle - LH	3 41 1
72-5090	Gear - Bevel	3 21 2	83-5330	Washer - Bearing	3 38 1
72-5100	Spacer	3 20 2	83-5340	Nut - Bearing	3 37 1
72-5130	Vent	3 23 1	83-5350	Case - Bearing	3 33 1
72-5140	O-Ring	3 25 1	83-5360	Seal - Oil	3 36 1
72-5150	Plug	3 26 1	83-5370	Ring & Pinion Assembly	4 * 1
72-5160	Shim .1mm	3 29 1	83-5380	Piston Rod Assembly	6 5 1
72-5170	Shim .15 mm	3 * 1	83-7410	Roll - Bar	10 1 1
72-5180	Shim .5 mm	3 * 1	83-7430	Decal - Danger	10 3 1
72-5190	Shim .8 mm	3 * 1	83-7460	Spacer - Wheel	2 30 2
72-5200	Shim 1.0 mm	3 * 1	83-7470	Shim	7 2 2
72-5210	Shim 1.2 mm	3 * 1	85-9980	Decal - ROPS	10 2 1
72-5360	Ring - Retaining	3 19 2	93-3664	O-Ring	3 14 2
72-5370	Ring - Retaining	3 22 2	93-3665	O-Ring	3 15 2
72-5440	Pin - Spring	4 46 1	93-3670	O-Ring	5 1 4
72-5460	O-Ring	3 32 1	237-21	Seal - O-Ring	2 36 2
72-5510	Gear Box - Axle	5 23 2	237-78	Seal - O-Ring	2 34 2

*Not Illustrated

TORO PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
251-8	Bearing - Ball	5 6 2	325-5	Screw - Cap Hex. Hd.	1 7 4
251-77	Collar - Locking	7 25 1	3212-4	Screw - Cap Hex. Hd.	10 * 2
251-263	Bearing - Ball	5 25 2	3217-9	Nut - Lock	10 7 3
251-337	Bearing - Ball	7 26 1	3230-3	Bolt - Carriage	7 1 3
251-344	Bearing - Ball	3 4 1	3245-35	Screw - Set	7 24 1
251-345	Bearing - Ball	3 13 1	3253-3	Washer - Lock	7 16 6
251-347	Bearing - Ball	5 12 2	3253-6	Washer - Lock	10 * 2
251-348	Bearing - Ball	5 3 2	3253-7	Washer - Lock	10 5 9
251-349	Bearing - Ball	5 17 2	3256-26	Washer - Flat	10 4 9
251-350	Bearing - Ball	3 18 2	3272-11	Pin - Cotter	1 8 1
253-155	Seal	7 13 2	3272-17	Pin - Cotter	5 31 2
254-108	Bearing - Roller	3 31 1	3274-8	Screw - Cap Hex. Hd.	7 17 6
254-109	Bearing - Roller	3 39 1	3274-34	Screw - Socket Flat Hd.	7 30 1
281-7	Plug - Pipe, Square Hd.	5 37 2	3290-379	Tie - Cable	2 37 3
281-10	Plug - Socket Hex.	5 27 2	3296-23	Nut - Lock	1 16 4
284-3	Plug - Welch	7 20 1	3296-29	Nut - Lock	7 6 7
302-5	Fitting - Grease	7 4 2	3296-39	Nut - Lock	1 2 2
302-11	Fitting - Grease	1 11 1	3296-39	Nut - Lock	8 3 1
302-55	Fitting - Grease	1 28 2	32121-34	Pin - Roll	7 18 1
302-58	Fitting - Grease	7 10 1	32136-13	Nut - Slotted	1 6 2
322-8	Screw - Cap Hex. Hd.	7 19 4	32144-4	Screw - Self Tapping	1 19 1
323-6	Screw - Cap Hex. Hd.	8 1 1	32151-87	Ring - Retaining	7 21 1
323-9	Screw - Cap Hex. Hd.	1 9 2	340-132	Fitting - Hydraulic 90°	2 35 2
325-5	Screw - Cap Hex. Hd.	10 6 9			

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit, which is not reflected in your manual, see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any

reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

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Description	Page	Description	Page
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Rear Axle Assembly No. 68-6823	3-5	Hydrostat SCR Valve Installation Assembly	9
Hydraulic Cylinder Assembly No. 83-5030	6	Roll Over Protection System (ROPS) Assembly ..	10
Drive Shaft Assembly	7	Part Number Index	11-12