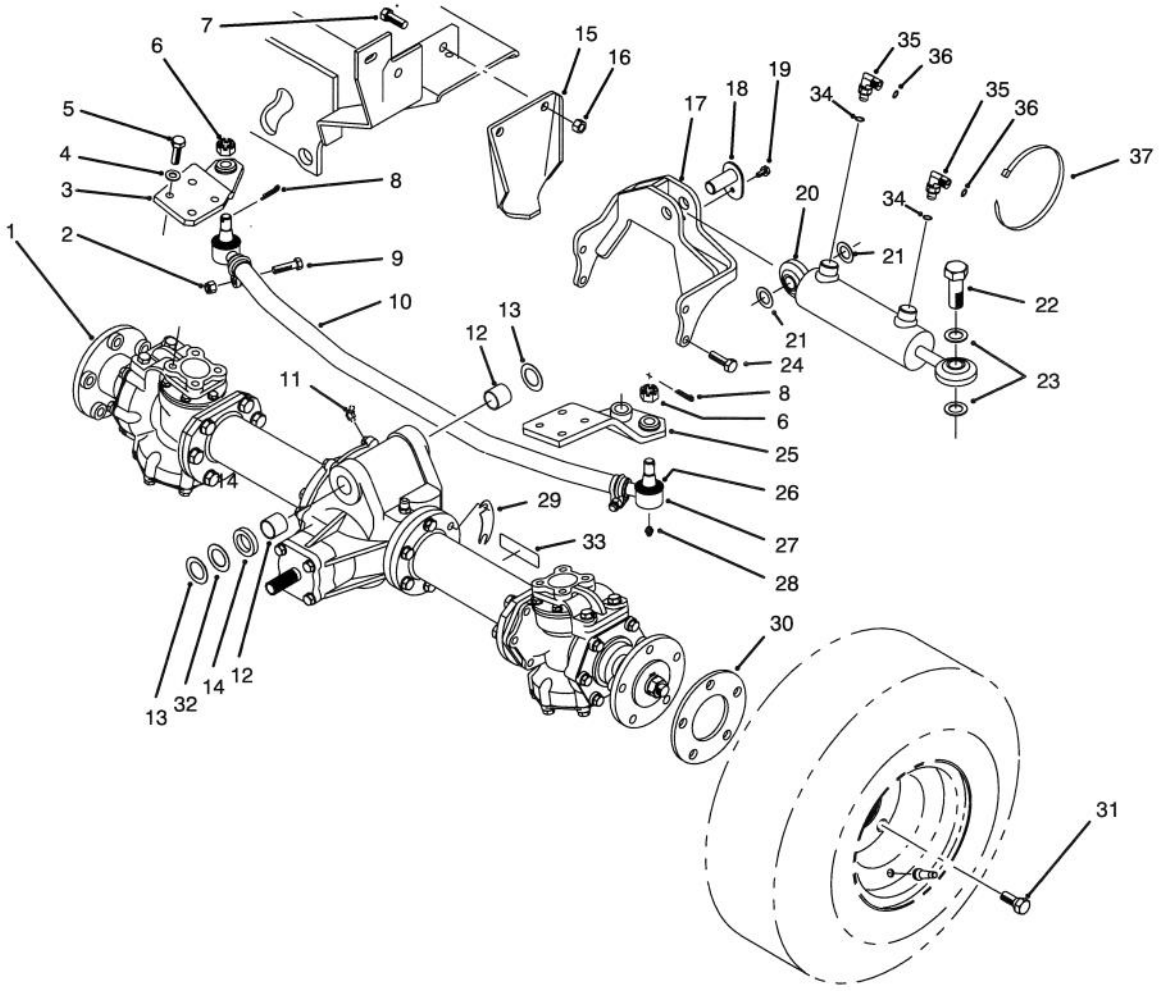
FORM NO. 3314–599 Rev. D

TORO®

MODEL NO. 03517–10001 & UP

PARTS CATALOG

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



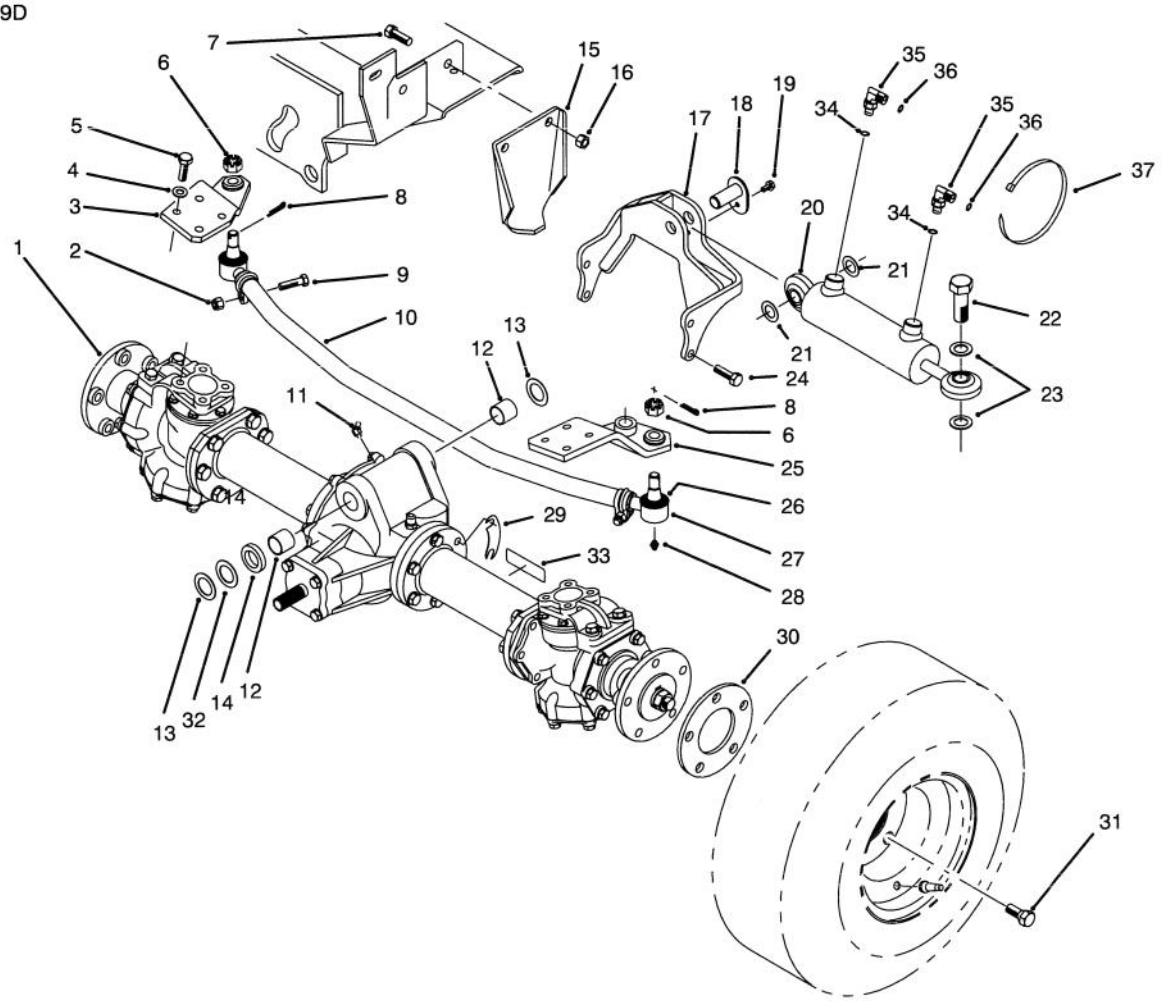
REAR AXLE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68–6821	Axle Assembly	1
2	3296–39	Nut – Lock	2
3	83–4950	Arm – Steering R.H.	1
4	48–9220	Washer – Flat	8
5	48–7780	Screw – Cap Hex. Hd.	8
6	32136–13	Nut – Slotted	2
7	325–5	Screw – Cap Hex. Hd.	4
8	3272–11	Pin – Cotter	1
9	323–9	Screw – Cap Hex. Hd.	2
10	83–5020	Tube & Clamp Assembly	1
11	302–11	Fitting – Grease	1
12	67–1750	Bushing – Sleeve	2
13	56–2460	Washer – Flat	3
14	83–5040	Washer	1
15	83–5110	Stop – Axle	2

Ref. No.	Part No.	Description	No. Used
16	3296–23	Nut – Lock	4
17	83–5100	Support – Cylinder	1
18	83–5150	Pin – Cylinder	1
19	32144–4	Screw – Self Tapping	1
20	83–5030	Hydraulic Cylinder Assembly	1
21	83–5160	Shim	A/R
22	82–6910	Screw – Cap Hex. Hd.	1
23	67–9410	Washer – Thrust	2
24	48–9480	Screw – Cap Hex. Hd.	4
25	83–4930	Arm – Steering L.H.	1
26	71–4760	Seal – Tie Rod End	2
27	71–4740	Tie Rod End Assembly (Incl. Ref. #6, 26 & 28)	2
28	302–55	Fitting – Grease	2
29	83–5180	Shim – Axle	A/R

TPS

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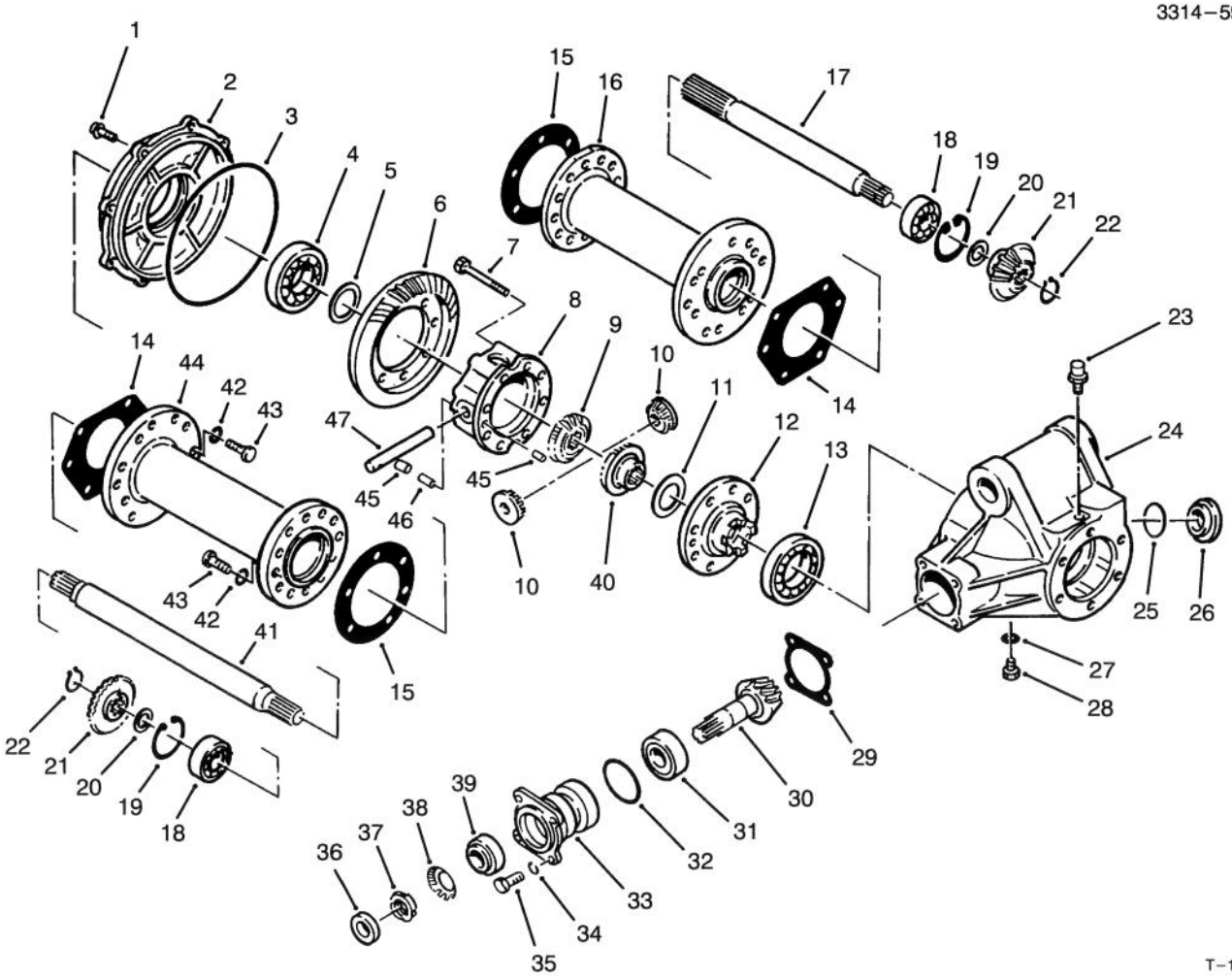


REAR AXLE INSTALLATION ASSEMBLY (Continued)

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



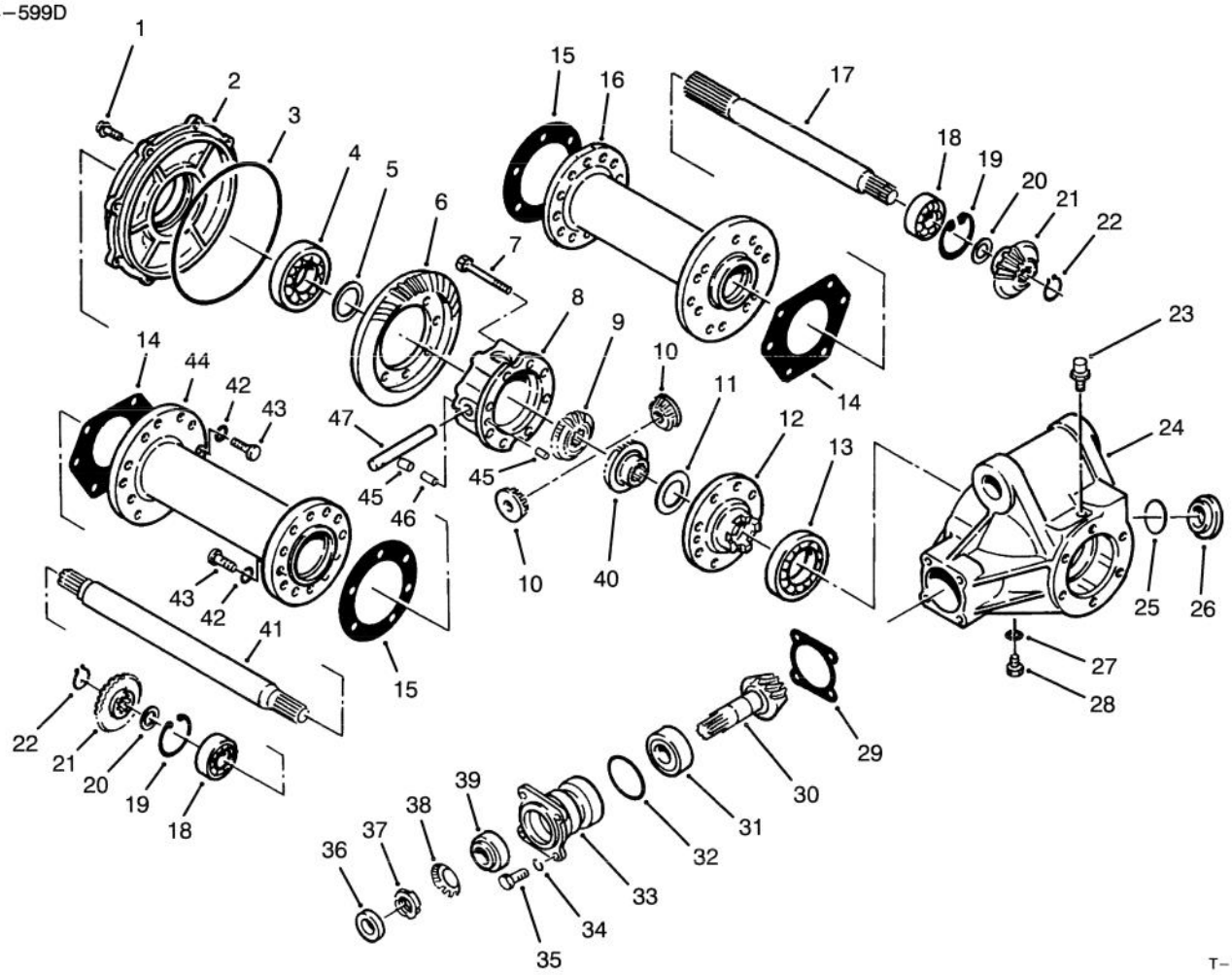
T–1305

REAR AXLE ASSEMBLY NO. 68–6821

Ref. No.	Part No.	Description	No. Used
1	72–5800	Bolt	8
2	72–4880	Cover	1
3	72–4890	O–Ring	1
4	251–344	Bearing – Ball	1
5	72–4960	Shim .1 mm	1
*	72–4970	Shim .15 mm	1
*	72–4980	Shim .5 mm	1
*	72–4990	Shim .8 mm	1
*	72–5000	Shim 1.0 mm	1
*	72–5010	Shim 1.2 mm	1
6		Gear – Bevel	1
7	72–5810	Bolt	8
8	72–4900	Case – Differential	1
9	72–4930	Gear – Side Differential	1
10	72–4950	Gear – Pinion Differential	2
11	72–5040	Washer – Gear	1
12	72–4910	Flange – Case	1
13	251–345	Bearing – Ball	1
14	72–5080	Gasket	2
15	72–5070	Gasket	2
16	83–5270	Tube – Axle RH	1
17	83–5280	Axle – RH	1
18	251–350	Bearing – Ball	2
19	72–5360	Ring – Retaining	2
20	72–5100	Spacer	2
21	72–5090	Gear – Bevel	2

Ref. No.	Part No.	Description	No. Used
22	72–5370	Ring – Retaining	2
23	72–5130	Vent	1
24	72–4870	Case – Differential	1
25	72–5140	O–Ring	1
26	72–5150	Plug	1
27	72–5840	Gasket	1
28	72–5820	Plug	1
29	72–5160	Shim .1mm	1
*	72–5170	Shim .15 mm	1
*	72–5180	Shim .5 mm	1
*	72–5190	Shim .8 mm	1
*	72–5200	Shim 1.0 mm	1
*	72–5210	Shim 1.2 mm	1
30		Gear – Pinion	1
31	254–108	Bearing – Roller	1
32	72–5460	O–Ring	1
33	83–5350	Case – Bearing	1
34	42–9850	Washer – Lock M8	8
35	48–9460	Bolt – Hex. Hd.	4
36	83–5360	Seal – Oil	1
37	83–5340	Nut – Bearing	1
38	83–5330	Washer – Bearing	1
39	254–109	Bearing – Roller	1
40	72–4940	Gear – Side Differential	1
41	83–5310	Axle – LH	1
42	42–9600	Washer – Lock M10	24

*Not Illustrated

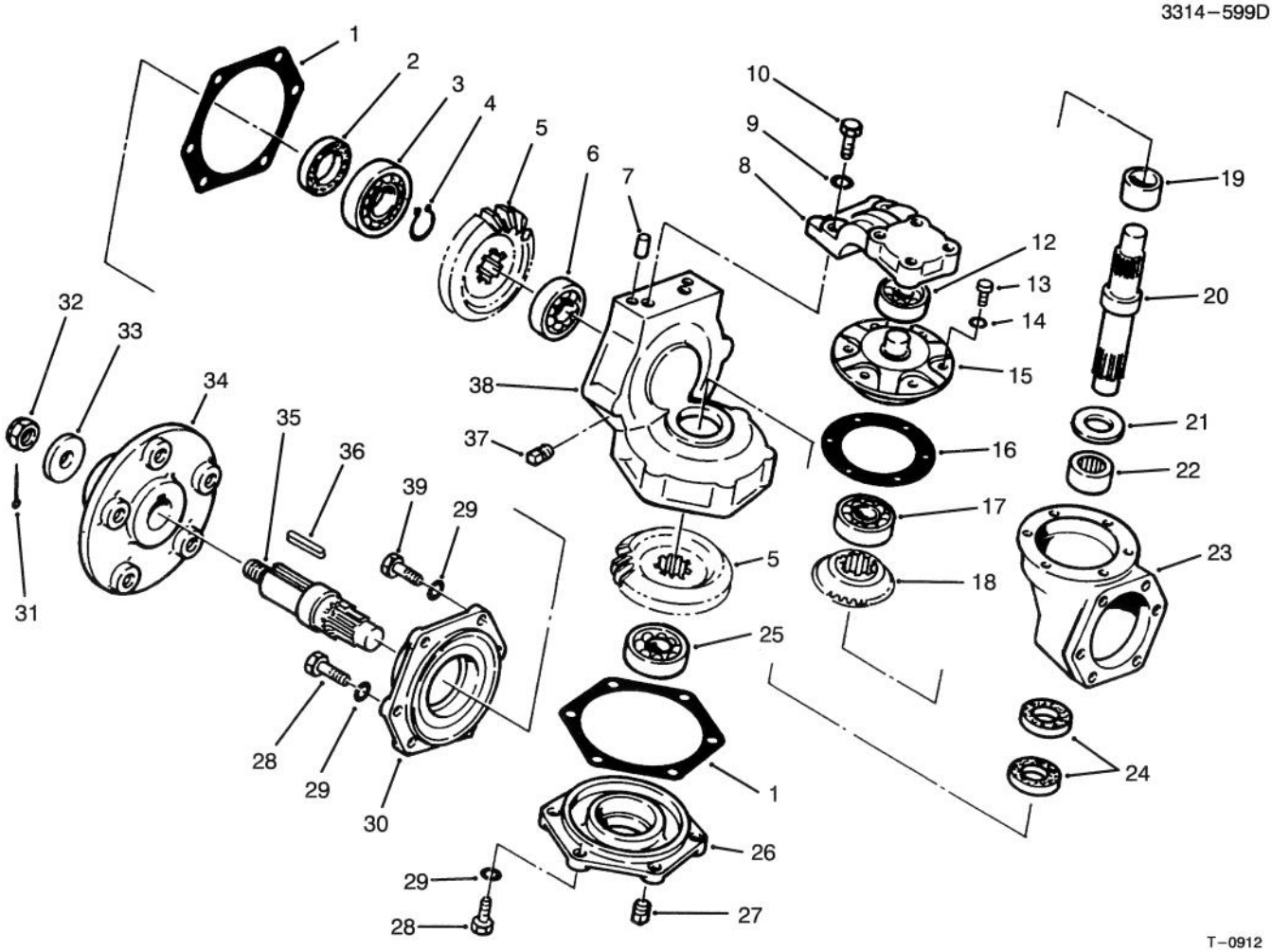


REAR AXLE ASSEMBLY NO. 68–6821 (Continued)

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

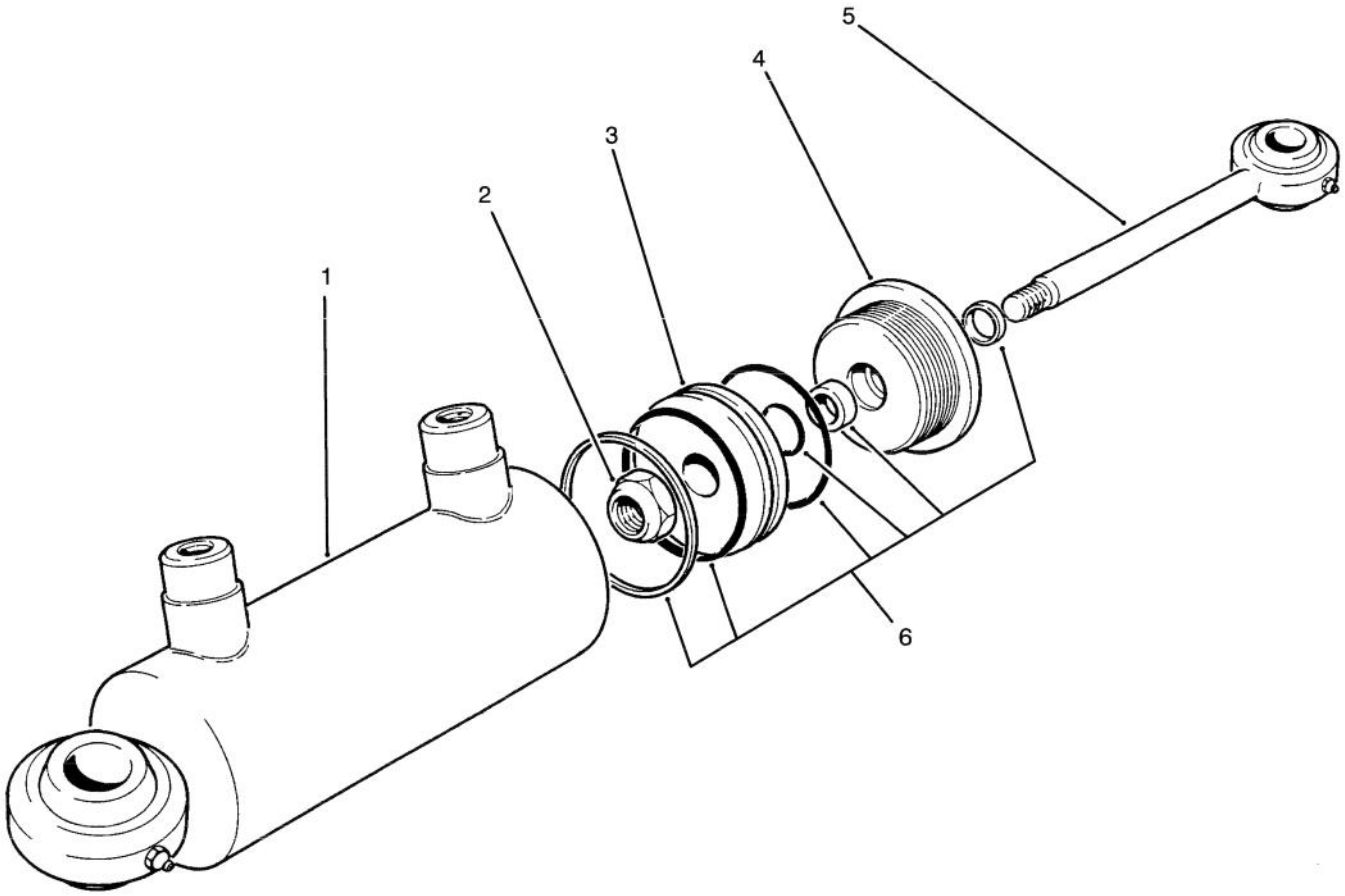
*Not Illustrated



REAR AXLE ASSEMBLY NO. 68–6821 (Continued)

Ref. No.	Part No.	Description	No. Used
1	72–5620	Gasket	4
2	72–5740	Seal – Oil	2
3	251–348	Bearing – Ball	2
4	72–5720	Ring – Retaining	2
5	72–5580	Gear – Bevel	4
6	251–8	Bearing – Ball	2
7	72–5670	Pin – Dowel	4
8	77–2980	Arm – Knuckle	2
9	42–9600	Washer – Lock	28
10	48–9470	Screw – Cap	4
12	251-347	Bearing – Ball	2
13	72–5790	Screw – Cap	12
14	43–5930	Washer – Lock	12
15	72–5590	Retainer – Bearing	2
16	72–5630	Gasket	2
17	251–349	Bearing – Ball	2
18	72–5090	Gear – Bevel	2
19	72–5680	Spacer	2
20	72–5560	Pin – King Knuckle	2

Ref. No.	Part No.	Description	No. Used
21	72–5600	Washer – Thrust	2
22	72–5640	Bearing – Needle	2
23	72–5510	Gear Box – Axle	2
24	72–5730	Seal – Oil	4
25	251–263	Bearing – Ball	2
26	72–5550	Cover	2
27	281–10	Plug – Socket Hex.	2
28	48–9460	Screw – Cap	20
29	42–9850	Washer – Lock	28
30	72–5540	Case – Knuckle	2
31	3272–17	Pin – Cotter	2
32	72–5770	Nut – Castell	2
33	72–5660	Washer – Shaft Wheel	2
34	72–5650	Hub – Wheel	2
35	72–5570	Shaft – Axle Outer	2
36	72–5780	Key	2
37	281–7	Plug – Pipe, Square Hd.	2
38	72–5520	Case – Knuckle	2
39	48–7710	Screw – Cap	4



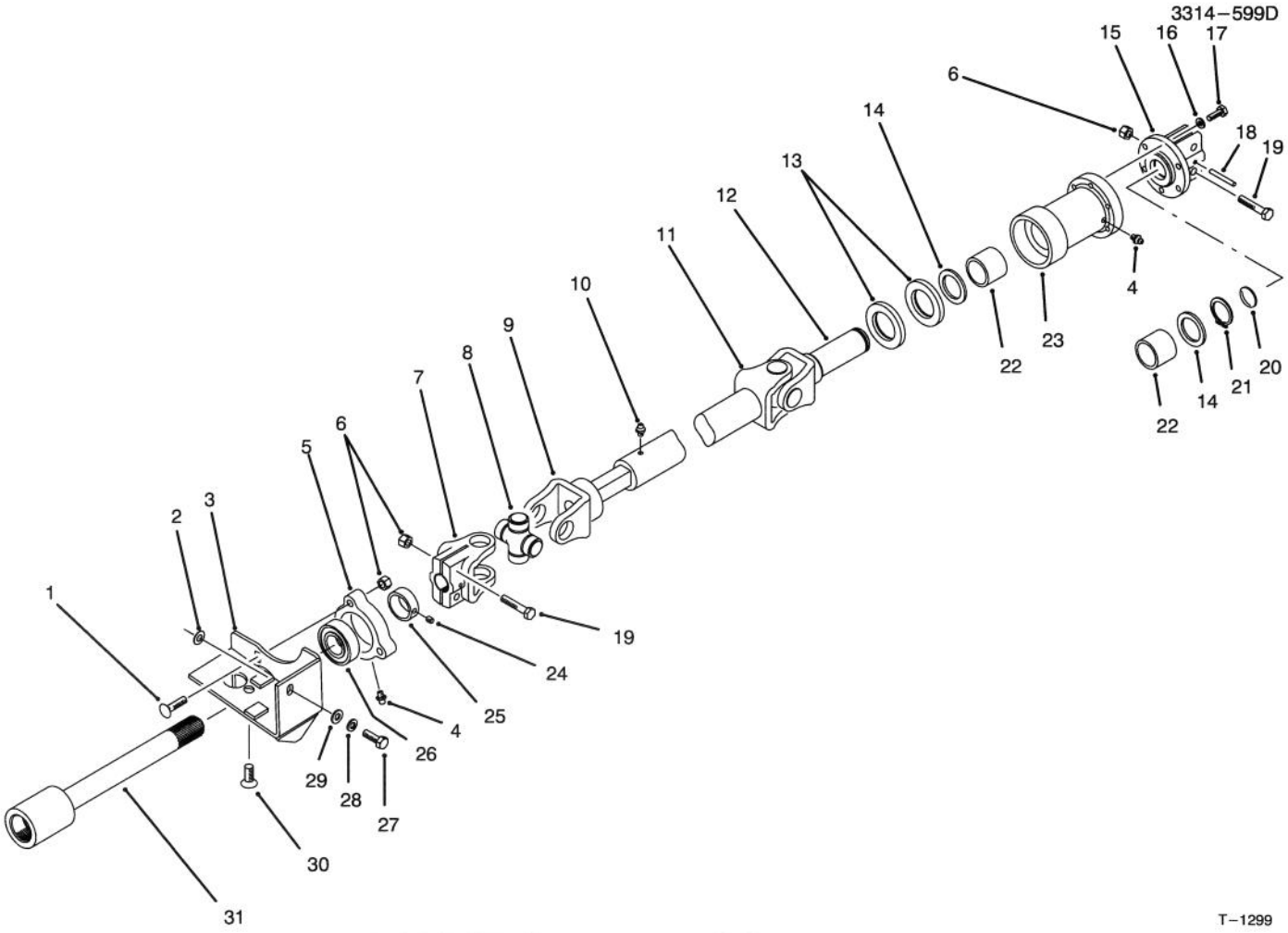
T–0996

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

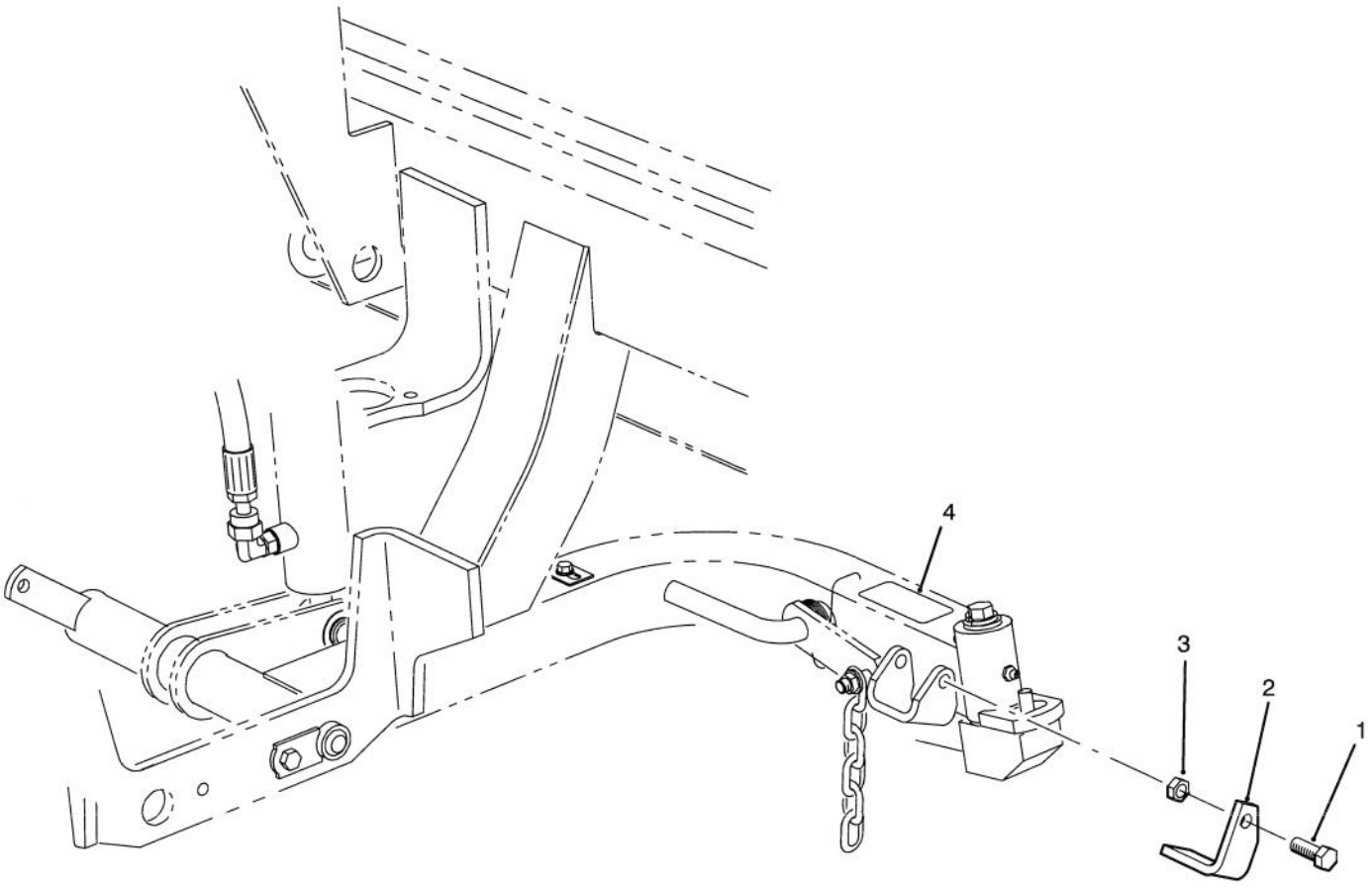


DRIVE SHAFT ASSEMBLY

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

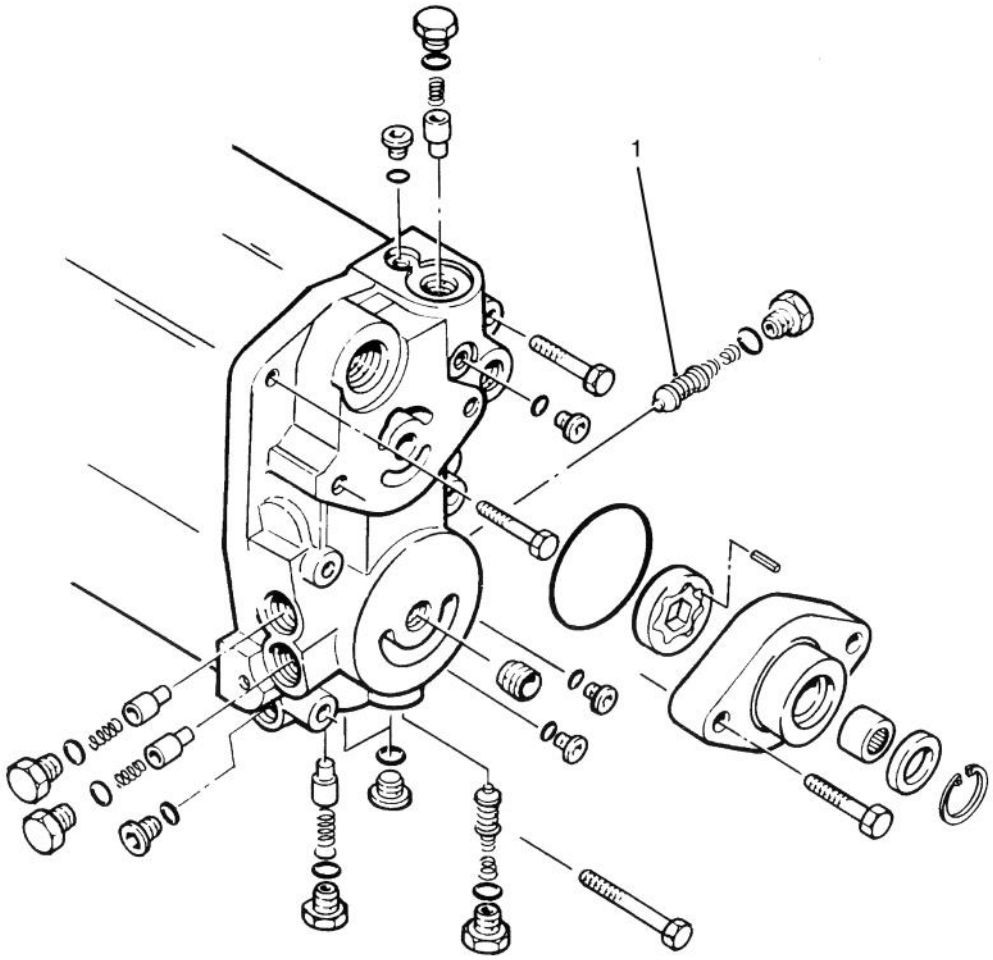


T–1300

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

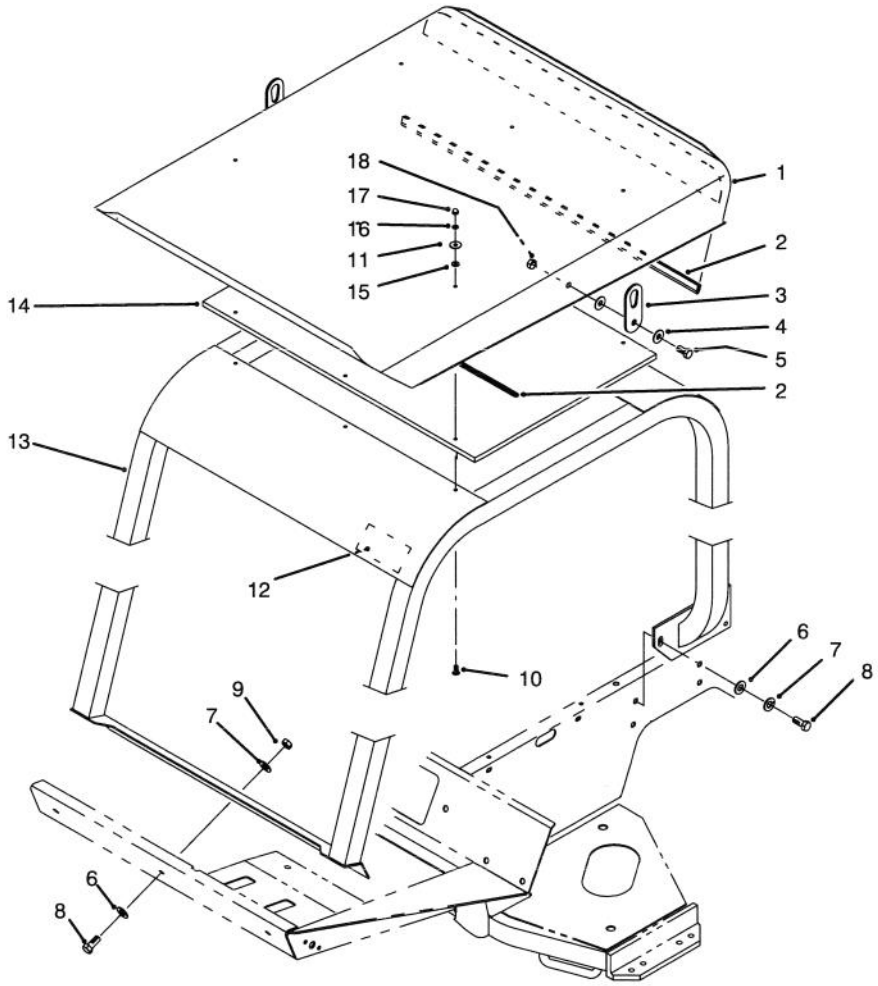


T–1303

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–1304

R.O.P.S. ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83–7370	Roof	1
2	83–7390	Seal	2
3	83–7400	Ear – Lift	2
4	3256–24	Washer – Flat	4
5	323–6	Screw – Cap Hex. Hd.	2
6	3256–26	Washer – Flat	9
7	3253–7	Washer – Lock	9
8	325–5	Screw – Cap Hex. Hd.	9
9	3217–9	Nut – Lock	3
10	3250–45	Screw – Pan Hd.	6
11	3256–22	Washer – Flat	6

Ref. No.	Part No.	Description	No. Used
12	83–7430	Decal – Danger	1
13	83–7410	Roll – Bar	1
14	83–7380	Insulation – Roof	1
15	83–7420	Washer – Rubber	6
16	3253–3	Washer – Lock	6
17	32111–7	Nut – Acorn	6
18	3296–39	Nut – Lock	2
*	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. No.	Ref. No.	Qty.
5–1226	Washer	2	32	2
21–4191	Seat Belt Assembly	10	*	1
42–9600	Washer – Lock	5	9	28
42–9600	Washer – Lock M10	3	42	24
42–9850	Washer – Lock	7	28	1
42–9850	Washer – Lock	5	29	28
42–9850	Washer – Lock M8	3	34	8
43–5930	Washer – Lock	5	14	12
48–7710	Screw – Cap	5	39	4
48–7780	Screw – Cap Hex. Hd.	1	5	8
48–8030	Washer – Flat	7	29	1
48–9220	Washer – Flat	1	4	8
48–9460	Bolt – Hex. Hd.	3	35	4
48–9460	Screw – Cap	5	28	20
48–9460	Screw – Cap Hex. Hd.	7	27	1
48–9470	Bolt	4	43	24
48–9470	Screw – Cap	5	10	4
48–9480	Screw – Cap Hex. Hd.	1	24	4
54–9090	Yoke – End	7	7	1
54–9180	Kit – Universal Joint	7	8	2
55–4300	Decal – Danger	8	4	1
56–2460	Washer – Flat	1	13	3
67–1750	Bushing – Sleeve	1	12	2
67–9410	Washer – Thrust	1	23	2
68–6821	Axle Assembly	1	1	1
70–2560	Decal – Gear Lube	2	33	1
71–4450	Bolt – Wheel	2	31	10
71–4570	Housing – Clutch	7	23	1
71–4580	Clutch – Roller	7	22	2
71–4590	Washer – Thrust	7	14	2
71–4740	Tie Rod End Assembly	1	27	2
71–4760	Seal – Tie Rod End	1	26	2
72–3420	Shaft – Slip Yoke	7	9	1
72–3440	Yoke – Shaft	7	12	1
72–3560	Decal – 4 Wheel Drive	2	*	2
72–4870	Case – Differential	3	24	1
72–4880	Cover	3	2	1
72–4890	O–Ring	3	3	1
72–4900	Case – Differential	3	8	1
72–4910	Flange – Case	3	12	1
72–4930	Gear – Side Differential	3	9	1
72–4940	Gear – Side Differential	3	40	1
72–4950	Gear – Pinion Differential	3	10	2
72–4960	Shim .1 mm	3	5	1
72–4970	Shim .15 mm	3	*	1
72–4980	Shim .5 mm	3	*	1
72–4990	Shim .8 mm	3	*	1
72–5000	Shim 1.0 mm	3	*	1
72–5010	Shim 1.2 mm	3	*	1
72–5020	Shaft – Pinion	4	47	1
72–5030	Pin – Dowel	4	45	2
72–5040	Washer – Gear	3	11	1
72–5070	Gasket	3	15	2
72–5080	Gasket	3	14	2
72–5090	Gear – Bevel	5	18	2
72–5090	Gear – Bevel	3	21	2
72–5100	Spacer	3	20	2
72–5130	Vent	3	23	1
72–5140	O–Ring	3	25	1
72–5150	Plug	3	26	1
72–5160	Shim .1mm	3	29	1
72–5170	Shim .15 mm	3	*	1
72–5180	Shim .5 mm	3	*	1
72–5190	Shim .8 mm	3	*	1
72–5200	Shim 1.0 mm	3	*	1
72–5210	Shim 1.2 mm	3	*	1
72–5360	Ring – Retaining	3	19	2
72–5370	Ring – Retaining	3	22	2
72–5440	Pin – Spring	4	46	1
72–5460	O–Ring	3	32	1
72–5510	Gear Box – Axle	5	23	2
72–5520	Case – Knuckle	5	38	2
72–5540	Case – Knuckle	5	30	2
72–5550	Cover	5	26	2
72–5560	Pin – King Knuckle	5	20	2
72–5570	Shaft – Axle Outer	5	35	2
72–5580	Gear – Bevel	5	5	4
72–5590	Retainer – Bearing	5	15	2
72–5600	Washer – Thrust	5	21	2
72–5620	Gasket	5	1	4
72–5630	Gasket	5	16	2
72–5640	Bearing – Needle	5	22	2
72–5650	Hub – Wheel	5	34	2
72–5660	Washer – Shaft Wheel	5	33	2
72–5670	Pin – Dowel	5	7	4
72–5680	Spacer	5	19	2
72–5720	Ring – Retaining	5	4	2
72–5730	Seal – Oil	5	24	4
72–5740	Seal – Oil	5	2	2
72–5770	Nut – Castell	5	32	2
72–5780	Key	5	36	2
72–5790	Screw – Cap	5	13	12
72–5800	Bolt	3	1	8
72–5810	Bolt	3	7	8
72–5820	Plug	3	28	1
72–5840	Gasket	3	27	1
75–1210	Nut – Lock	6	2	1
75–1220	Piston	6	3	1
75–1250	Seal Kit	6	6	1
75–1260	Head – Internal	6	4	1
76–2460	Bearing Assembly	7	5	1
76–4690	Axle Coupling Assembly	7	15	1
77–2980	Arm – Knuckle	5	8	2
82–6910	Screw – Cap Hex. Hd.	1	22	1
83–4890	Valve – SCR	9	1	1
83–4900	Shaft – Traction	7	31	1
83–4930	Arm – Steering L.H.	1	25	1
83–4950	Arm – Steering R.H.	1	3	1
83–4970	Bracket – Bearing	7	3	1
83–5010	Tie Rod Assembly	2	*	1
83–5020	Tube & Clamp Assembly	1	10	1
83–5030	Hydraulic Cylinder Assembly	1	20	1
83–5040	Washer	1	14	1
83–5100	Support – Cylinder	1	17	1
83–5110	Stop – Axle	1	15	2
83–5150	Pin – Cylinder	1	18	1
83–5160	Shim	1	21	A/R
83–5170	Stop – Cutting Unit	8	2	1
83–5180	Shim – Axle	1	29	A/R
83–5190	Drive Shaft Assembly	7	*	1
83–5260	Tube – Slip Yoke	7	11	1
83–5270	Tube – Axle RH	3	16	1
83–5280	Axle – RH	3	17	1
83–5290	Tube – Axle LH	4	44	1
83–5310	Axle – LH	3	41	1
83–5330	Washer – Bearing	3	38	1
83–5340	Nut – Bearing	3	37	1
83–5350	Case – Bearing	3	33	1
83–5360	Seal – Oil	3	36	1
83–5370	Ring & Pinion Assembly	4	*	1
83–5380	Piston Rod Assembly	6	5	1
83–7370	Roof	10	1	1
83–7380	Insulation – Roof	10	14	1
83–7390	Seal	10	2	2
83–7400	Ear – Lift	10	3	2
83–7410	Roll – Bar	10	13	1
83–7420	Washer – Rubber	10	15	6
83–7430	Decal – Danger	10	12	1
83–7460	Spacer – Wheel	2	30	2
83–7470	Shim	7	2	2

*Not Illustrated

TORO PART NUMBER INDEX (Continued)

Part No.	Description	Pg. No.	Ref. No.	Qty.
237–21	Seal – O–Ring	2	36	2
237–78	Seal – O–Ring	2	34	2
251–8	Bearing – Ball	5	6	2
251–77	Collar – Locking	7	25	1
251–263	Bearing – Ball	5	25	2
251–337	Bearing – Ball	7	26	1
251–344	Bearing – Ball	3	4	1
251–345	Bearing – Ball	3	13	1
251-347	Bearing – Ball	5	12	2
251–348	Bearing – Ball	5	3	2
251–349	Bearing – Ball	5	17	2
251–350	Bearing – Ball	3	18	2
253–155	Seal	7	13	2
254–108	Bearing – Roller	3	31	1
254–109	Bearing – Roller	3	39	1
281–7	Plug – Pipe, Square Hd.	5	37	2
281–10	Plug – Socket Hex.	5	27	2
284–3	Plug – Welch	7	20	1
302–5	Fitting – Grease	7	4	2
302–11	Fitting – Grease	1	11	1
302–55	Fitting – Grease	1	28	2
302–58	Fitting – Grease	7	10	1
322–8	Screw – Cap Hex. Hd.	7	19	4
323–6	Screw – Cap Hex. Hd.	8	1	1
323–6	Screw – Cap Hex. Hd.	10	5	2
323–9	Screw – Cap Hex. Hd.	1	9	2
325–5	Screw – Cap Hex. Hd.	1	7	4
325–5	Screw – Cap Hex. Hd.	10	8	9
3212–4	Screw – Cap Hex. Hd.	10	*	2
3217–9	Nut – Lock	10	9	3
3230–3	Bolt – Carriage	7	1	3
3245–35	Screw – Set	7	24	1
3250–45	Screw – Pan Hd.	10	10	6
3253–3	Washer – Lock	10	16	6
3253–3	Washer – Lock	7	16	6
3253–6	Washer – Lock	10	*	2
3253–7	Washer – Lock	10	7	9
3256–22	Washer – Flat	10	11	6
3256–24	Washer – Flat	10	4	4
3256–26	Washer – Flat	10	6	9
3272–11	Pin – Cotter	1	8	1
3272–17	Pin – Cotter	5	31	2
3274–8	Screw – Cap Hex. Hd.	7	17	6
3274–34	Screw – Socket Flat Hd.	7	30	1
3290–379	Tie – Cable	2	37	3
3296–23	Nut – Lock	1	16	4
3296–29	Nut – Lock	7	6	7
3296–39	Nut – Lock	1	2	2
3296–39	Nut – Lock	8	3	1
3296–39	Nut – Lock	10	18	2
32111–7	Nut – Acorn	10	17	6
32121–34	Pin – Roll	7	18	1
32136–13	Nut – Slotted	1	6	2
32144–4	Screw – Self Tapping	1	19	1
32151–87	Ring – Retaining	7	21	1
340–132	Fitting – Hydraulic 90°	2	35	2

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.

TABLE OF CONTENTS

Description	Page
Rear Axle Installation Assembly	1–2
Rear Axle Assembly No. 68–6821	3–5
Hydraulic Cylinder Assembly No. 83–5030	6
Drive Shaft Assembly	7
Cutting Unit Stop Assembly	8
Hydrostat SCR Valve Installation Assembly	9
R.O.P.S. Assembly	10
Part Number Index	11–12

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Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

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