FORM NO. 3315–602B

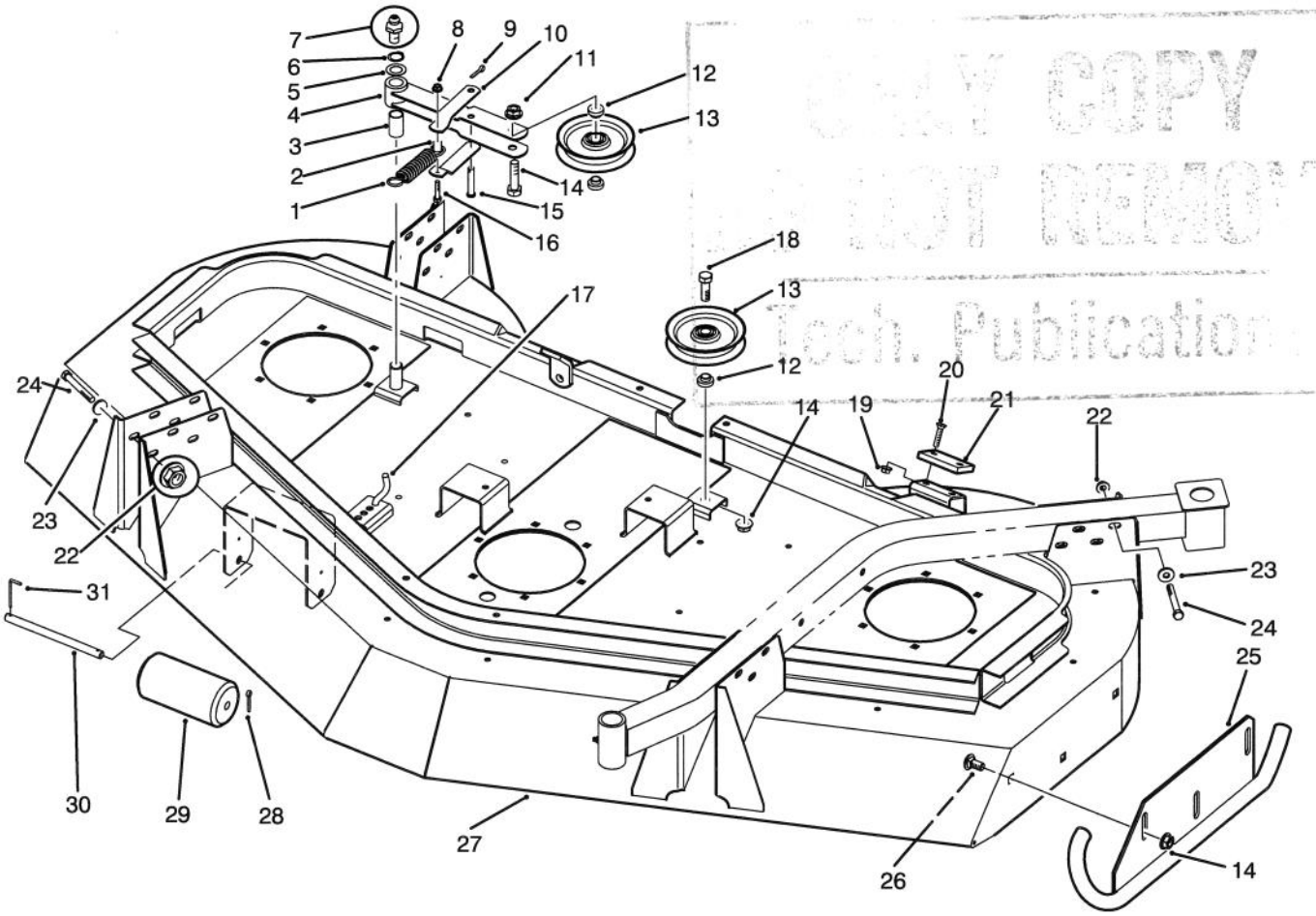
TORO®

MODEL NO. 30716–40001 & UP

PARTS CATALOG

GUARDIAN® 72" RECYCLER®

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Tech. Publications



T–1432

HOUSING, IDLERS & SKIDS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	85–6390	Spring	1
2	85–5930	Tube – Spring	1
3	256–188	Bushing	1
4	85–5900	Arm – Idler, W.A.	1
5	3–6498	Washer	1
6	32120–72	Ring – Retaining	1
7	302–2	Fitting – Grease	1
8	32128–32	Nut – Flange Head	1
9	3290–467	Pin – Cotter	1
10	85–5920	Bracket – Idler Arm	2
11	32128–49	Nut – Flange Head	8
12	69–6960	Spacer – Idler	3
13	63–1540	Pulley – Idler	2
14	325–8	Screw – Cap Hex. Hd.	1
15	283–82	Pin – Clevis	1
16	321–8	Screw – Cap Hex. Hd.	1

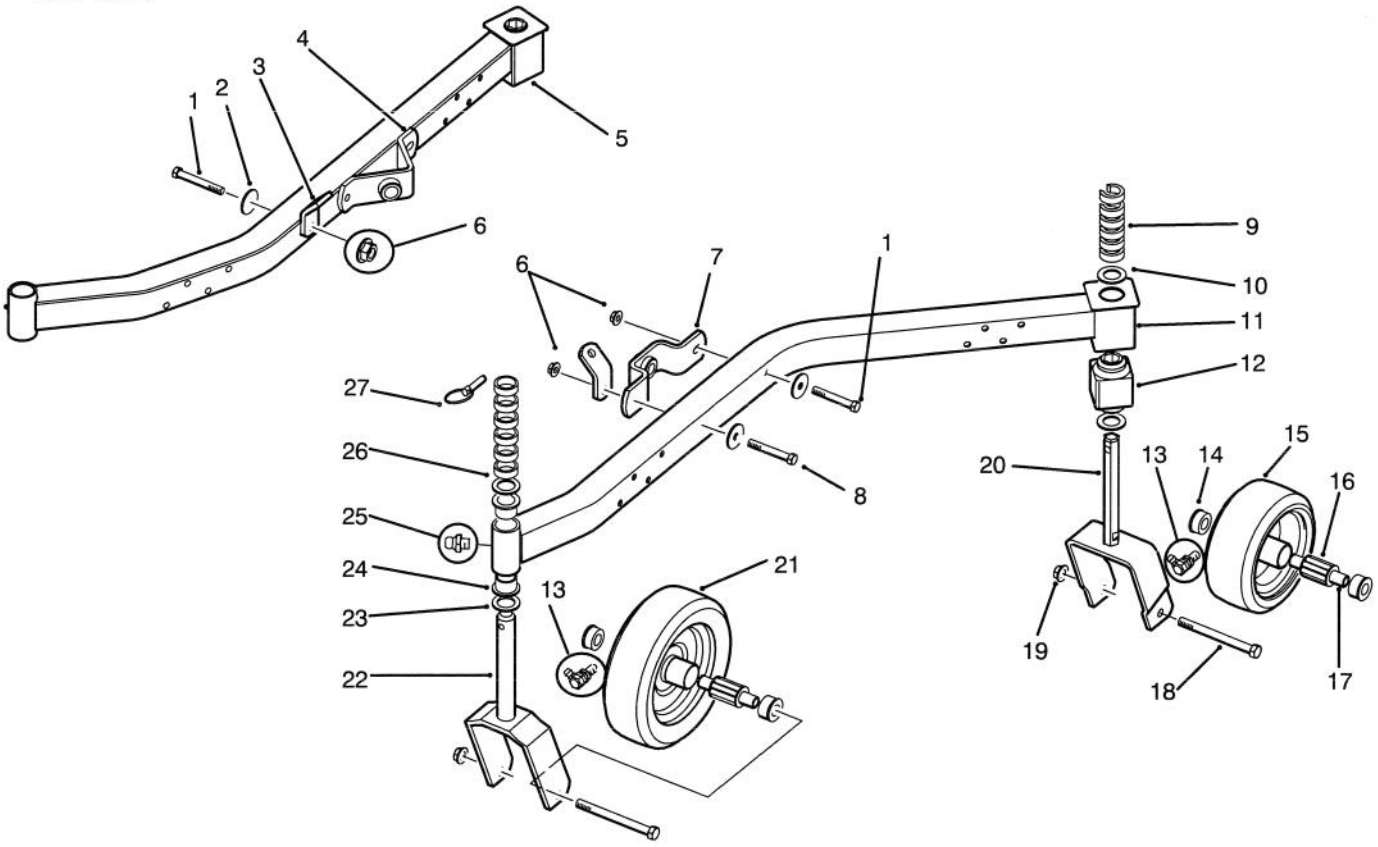
Ref. No.	Part No.	Description	No. Used
17	85–5940	Rod – Spring	1
18	325–6	Screw – Cap Hex. Hd.	1
19	32128–25	Nut – Flange Head	2
20	32108–103	Screw – Flat Head	2
21	69–9290	Pad – Bumper	1
22	32128–19	Nut – Lock Fl. Hd.	16
23	5–0838	Washer	16
24	323–14	Screw – Cap Hex. Hd.	16
25	85–5980	Skid – W. A., LH	1
*	85–5950	Skid – W. A., RH	1
26	3233–9	Bolt – Carriage	6
27	85–5420	Housing – Deck	1
28	3272–11	Pin – Cotter	2
29	36–1740	Roller	3
30	40–6400	Shaft – Roller	3
31	57–0690	Pin – Special	3

*Not Illustrated

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TPS

3315–602B

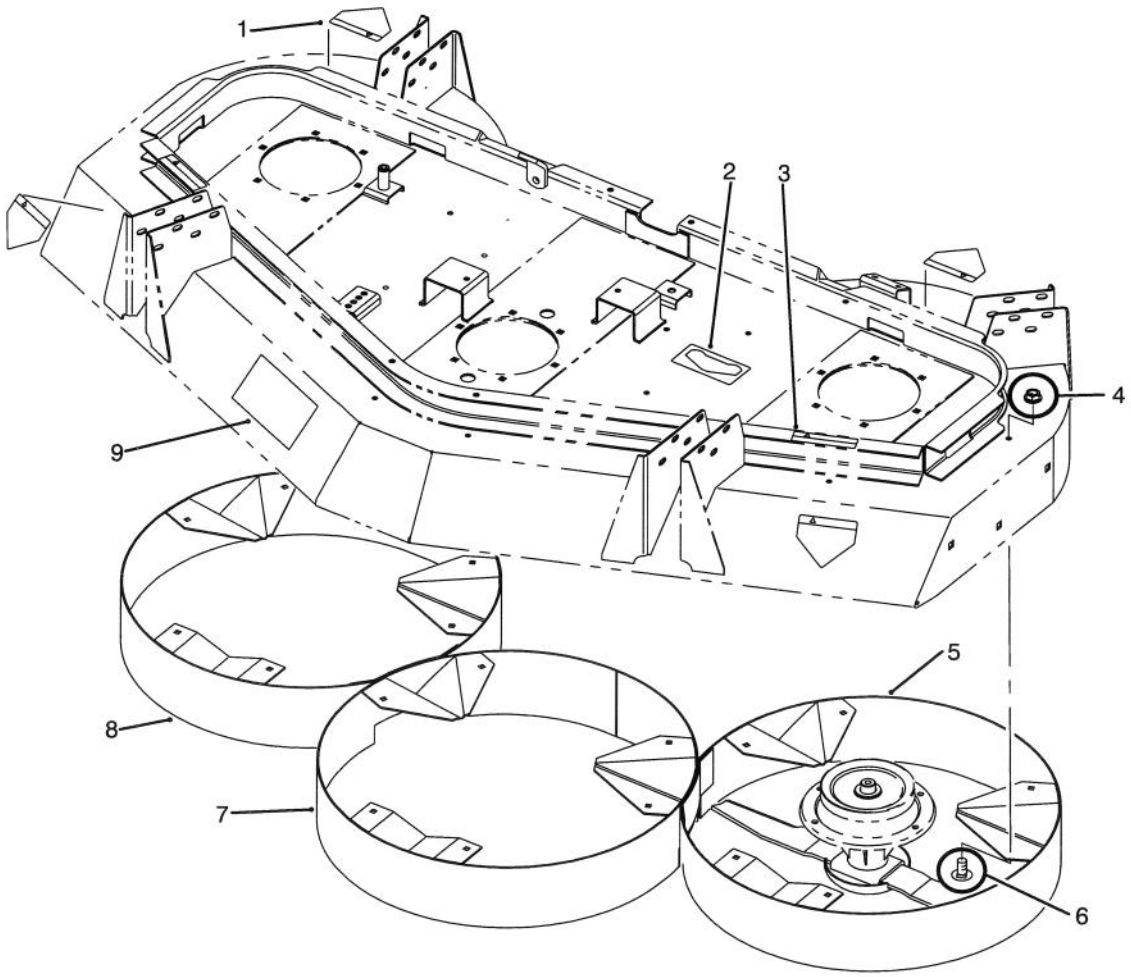


T–1433

CASTOR WHEELS & ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	324–12	Screw – Cap Hex. Hd.	4
2	66–6480	Washer	5
3	85–5830	Bracket – Chain	2
4	21–3020	Mount – Ball Joint, RH	1
5	92–1766	Castor Arm Assembly RH (Incl. Ref. #12, 24 & 25)	1
6	32128–37	Nut – Flange Head	5
7	85–5810	Mount – Ball Joint, LH	1
8	324–13	Screw – Cap Hex. Hd.	1
9	92–8866	Spacer	12
10	92–1765	Washer	4
11	92–1768	Castor Arm Assembly LH (Incl. Ref. #12, 24 & 25)	1
12	92–1760	Bushing – Rubber	2
13	302–40	Fitting – Grease	4
14	62–5580	Bearing	8
15	85–5760	Assembly – Wheel 8" (Incl. Ref. #13–14 & 16)	2

Ref. No.	Part No.	Description	No. Used
16	83–4740	Bearing – Roller	4
17	62–4340	Spanner	4
18	325–22	Screw – Cap Hex. Hd.	4
19	32128–23	Nut – Lock, Flange Head	4
20	92–1761	Fork – Castor, Rear	2
21	92–1655	Assembly – Wheel 10" (Incl. Ref.#13–14 & 16)	2
22	26–1530	Fork – Castor, Front	2
23	3–6781	Washer	4
24	28–9290	Bushing	4
25	302–5	Fitting – Grease	2
26	63–0070	Spacer	12
27	283–71	Pin – Lynch	4
*	76–1880	Segmented Tire Assy. – 10" (Optional)	2
*	12–1509	Pneumatic Wheel/Tire Assy. (Optional)	2

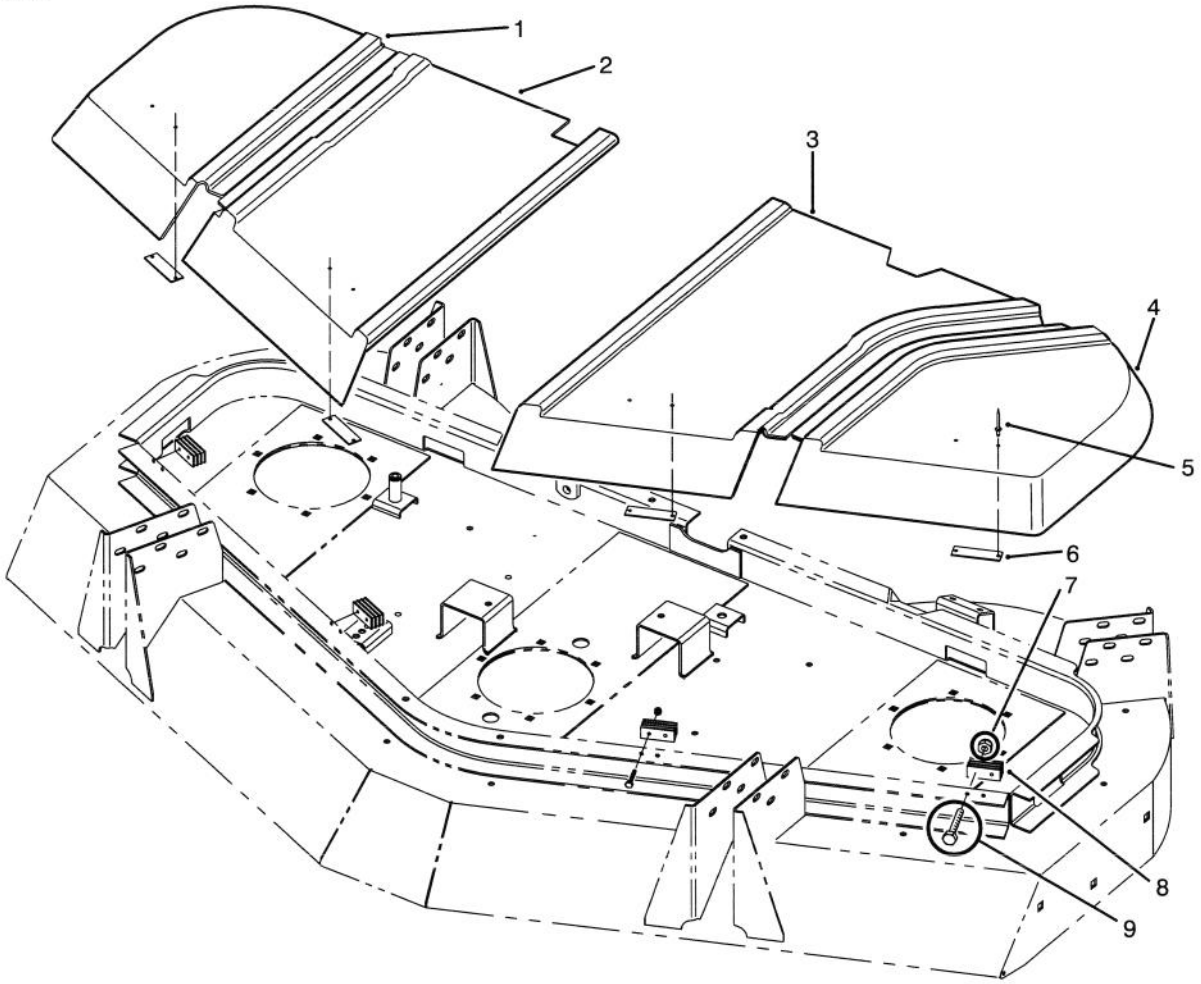


T–1434

CHAMBERS, KICKERS & DECALS

Ref. No.	Part No.	Description	No. Used
1	43–8480	Decal – Danger	4
2	85–6120	Decal – Belt Routing	1
3	85–6410	Decal – Danger	2
4	32128–25	Nut – Flange Head	18
5	85–6460	Chamber W.A. – LH	1

Ref. No.	Part No.	Description	No. Used
6	3230–18	Bolt – Carriage	18
7	85–6480	Chamber W.A. – Center	1
8	85–6470	Chamber W.A. – RH	1
9	85–6430	Decal – Guardian	1

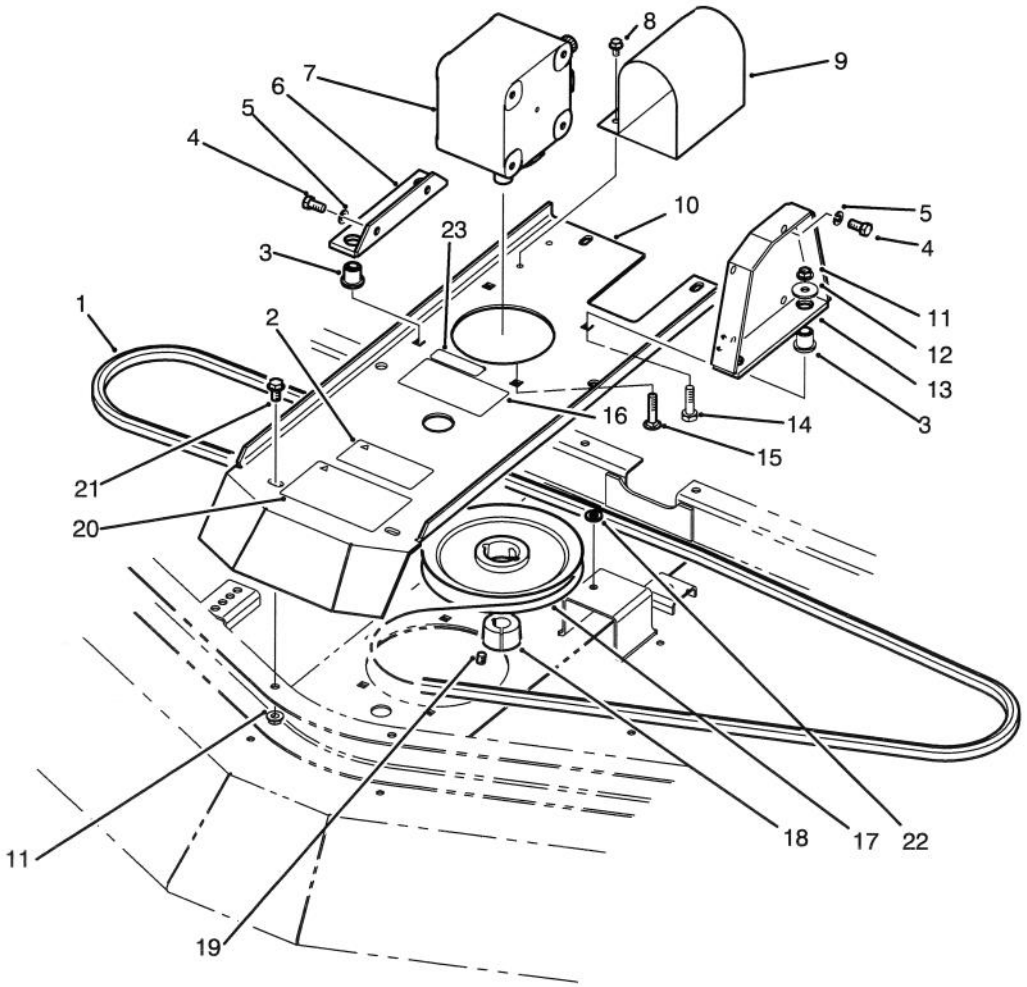


T–1435

COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	85–6080	Cover – RH	1
2	85–6070	Cover – RH Center	1
3	85–6060	Cover – LH Center	1
4	85–6050	Cover – LH	1
5	3269–25	Rivet – Pop	8

Ref. No.	Part No.	Description	No. Used
6	69–6870	Plate – Magnet	4
7	3296–2	Nut – Lock	8
8	69–6260	Magnet	4
9	32105–1	Screw – Hex. Hd. Machine	8

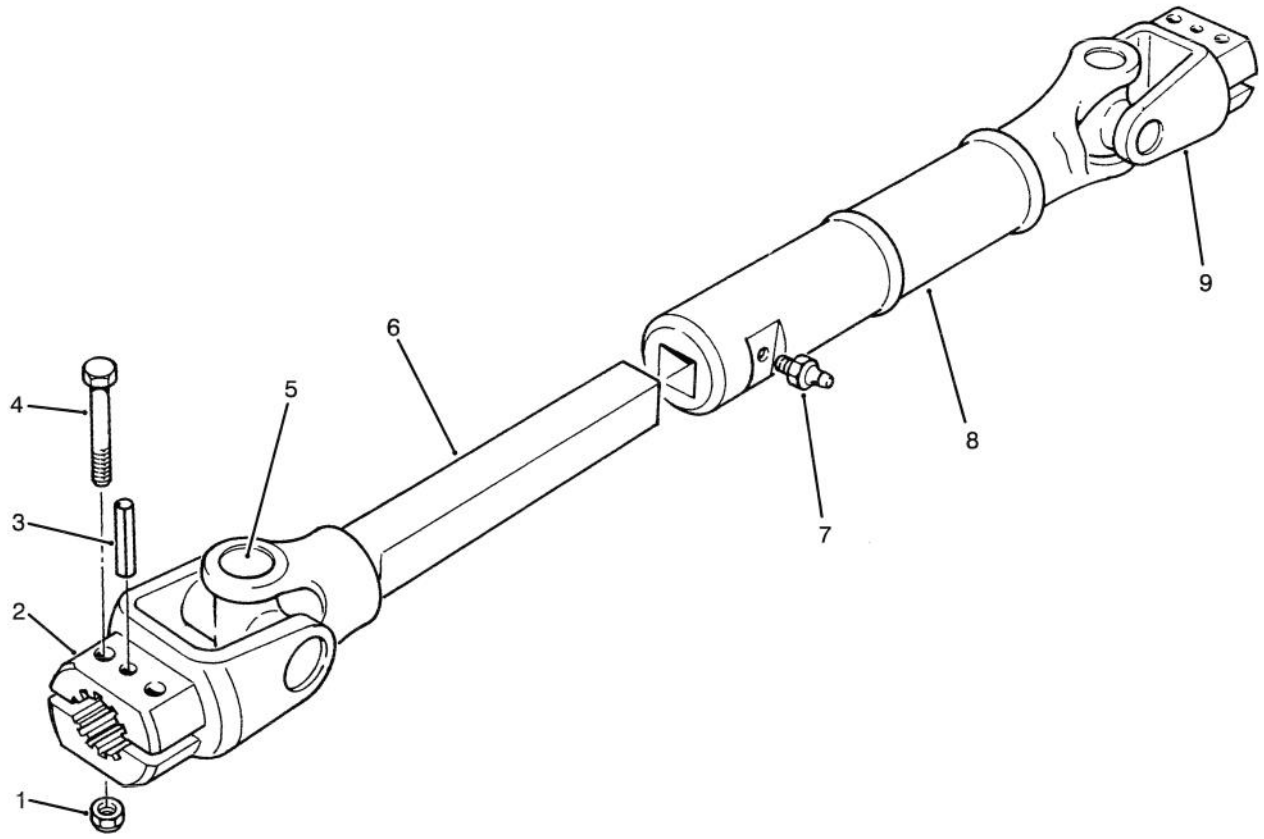


T–1436A

GEAR BOX & MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	69–6220	Belt – Drive	1
2	68–8340	Decal – Torque	1
3	63–9750	Mount	4
4	323–4	Screw – Cap Hex. Hd.	6
5	3253–21	Washer – Lock	6
6	68–8560	Bracket – RH, Gear Box	1
7	68–6810	Assembly – Gear Box	1
8	32104–82	Screw – Flange Head	2
9	85–5850	Shroud – Universal	1
10	16–1259	Plate – Mount, Gear Box (Incl. Ref. #2, 16, & 20))	1
11	32128–21	Nut – Lock, Flange Head	10
12	63–8410	Washer	4

Ref. No.	Part No.	Description	No. Used
13	85–6330	Bracket – W.A., Gear Box	1
14	3234–18	Screw – Cap Fl. Hd.	1
15	3231–26	Bolt – Carriage	3
16	85–6130	Decal – Height–Of–Cut	1
17	85–5860	Pulley – W.A.	1
18	23–1640	Bushing – Taperlock (Incl. Ref. #19)	1
19	3247–4	Screw – Set	2
20	92–7847	Decal – Warning	1
21	3234–11	Screw – Flange Head	6
22	3256–24	Washer – Flat	A/R
23	70–2560	Decal – Lube	1

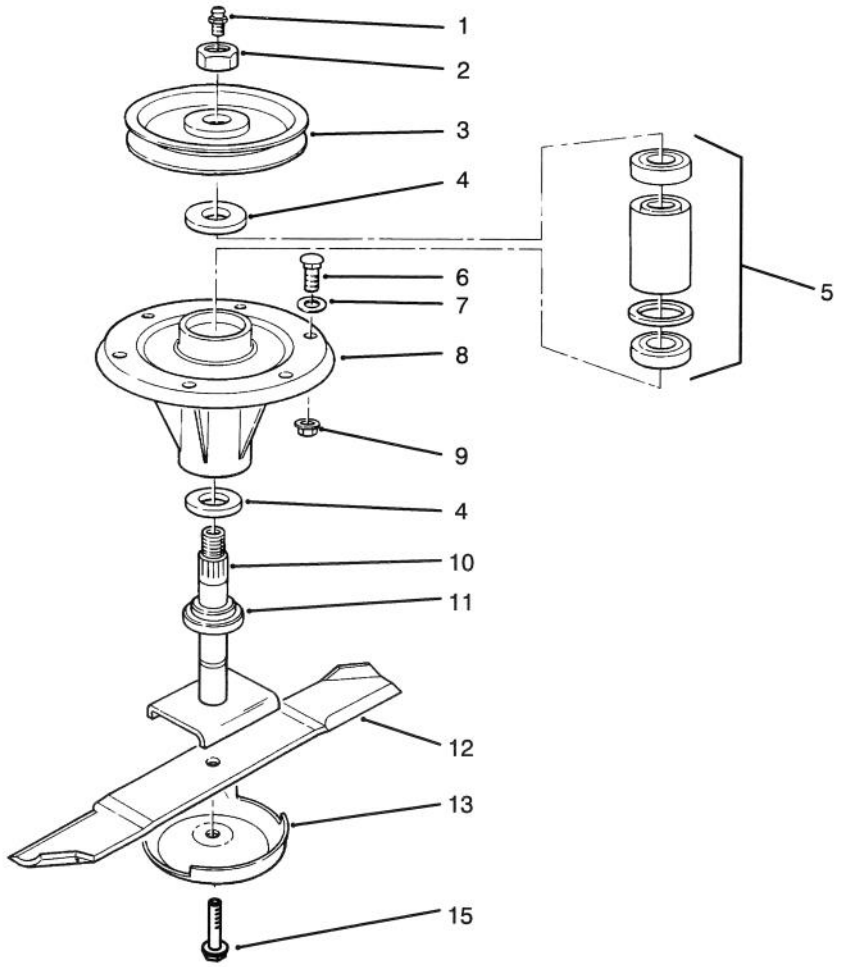


T–1437

DRIVE SHAFT ASSEMBLY (85–5880)

Ref. No.	Part No.	Description	No. Used
1	3296–29	Nut – Lock	2
2	54–9040	Yoke – End	1
3	32121–34	Pin – Roll	2
4	322–9	Screw – Cap Hex. Hd.	2
5	54–9180	Kit – Universal Joint	2

Ref. No.	Part No.	Description	No. Used
6	85–6180	Shaft – Slip Yoke	1
7	302–58	Fitting – Grease	1
8	85–6170	Tube – Slip Yoke	1
9	62–3800	Yoke – End	1

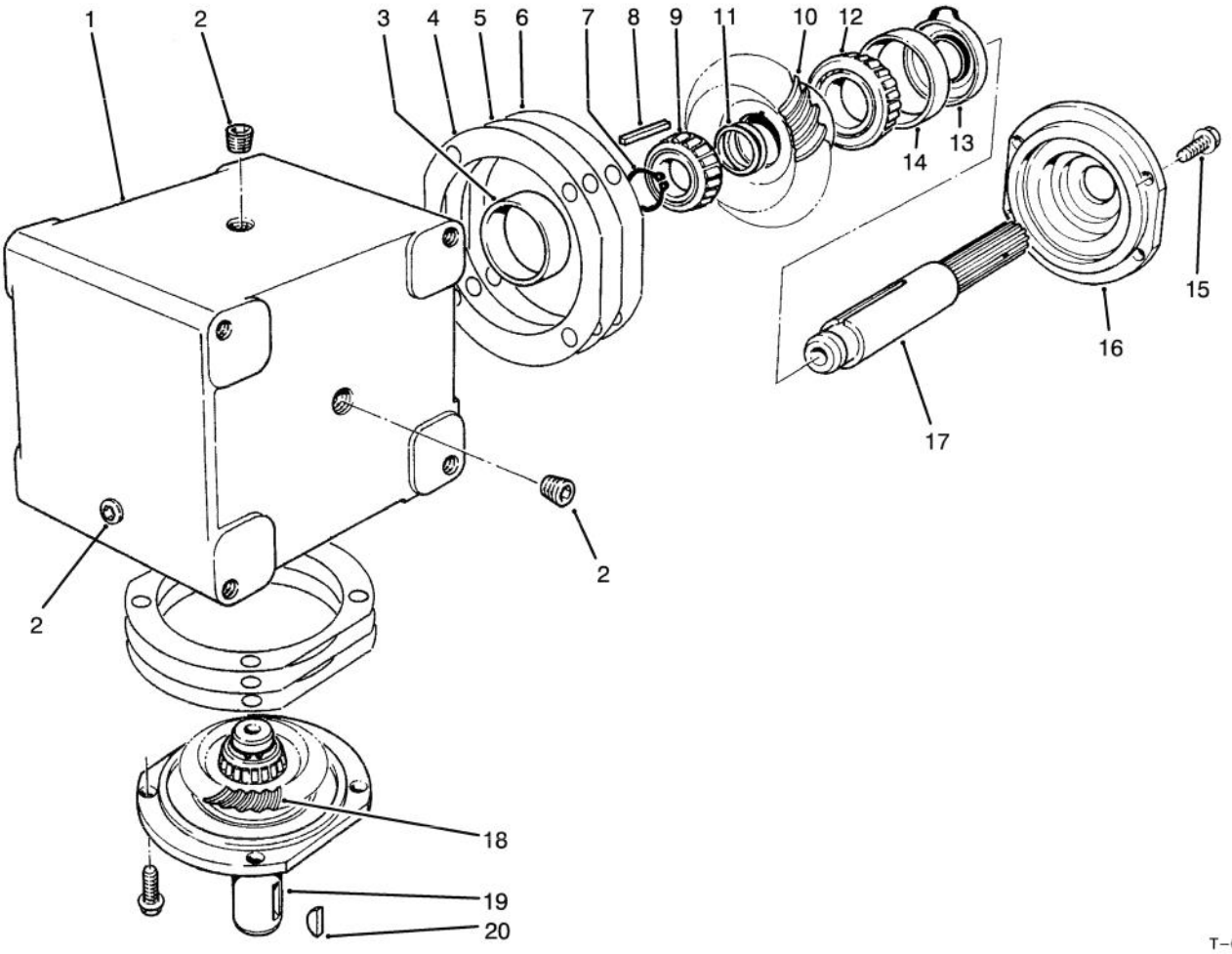


T–1438A

SPINDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	302–2	Fitting – Grease	1
2	3296–49	Nut – Lock	1
3	85–6030	Pulley – Spindle	1
4	253–154	Seal – Wave	2
5	71–2530	Assembly – Bearing	1
6	3231–27	Bolt – Carriage	6
7	3256–24	Washer – Flat	A/R

Ref. No.	Part No.	Description	No. Used
8	69–1530	Housing – Spindle	1
9	32128–21	Nut – Flange Head	6
10	85–6010	Shaft – Spindle	1
11	92–9800	Spacer – Spindle Shaft	1
12	85–6040	Blade – 25.18"	1
13	72–9361	Cup – Anti–Scalp	1
15	92–5816	Screw – Blade	1

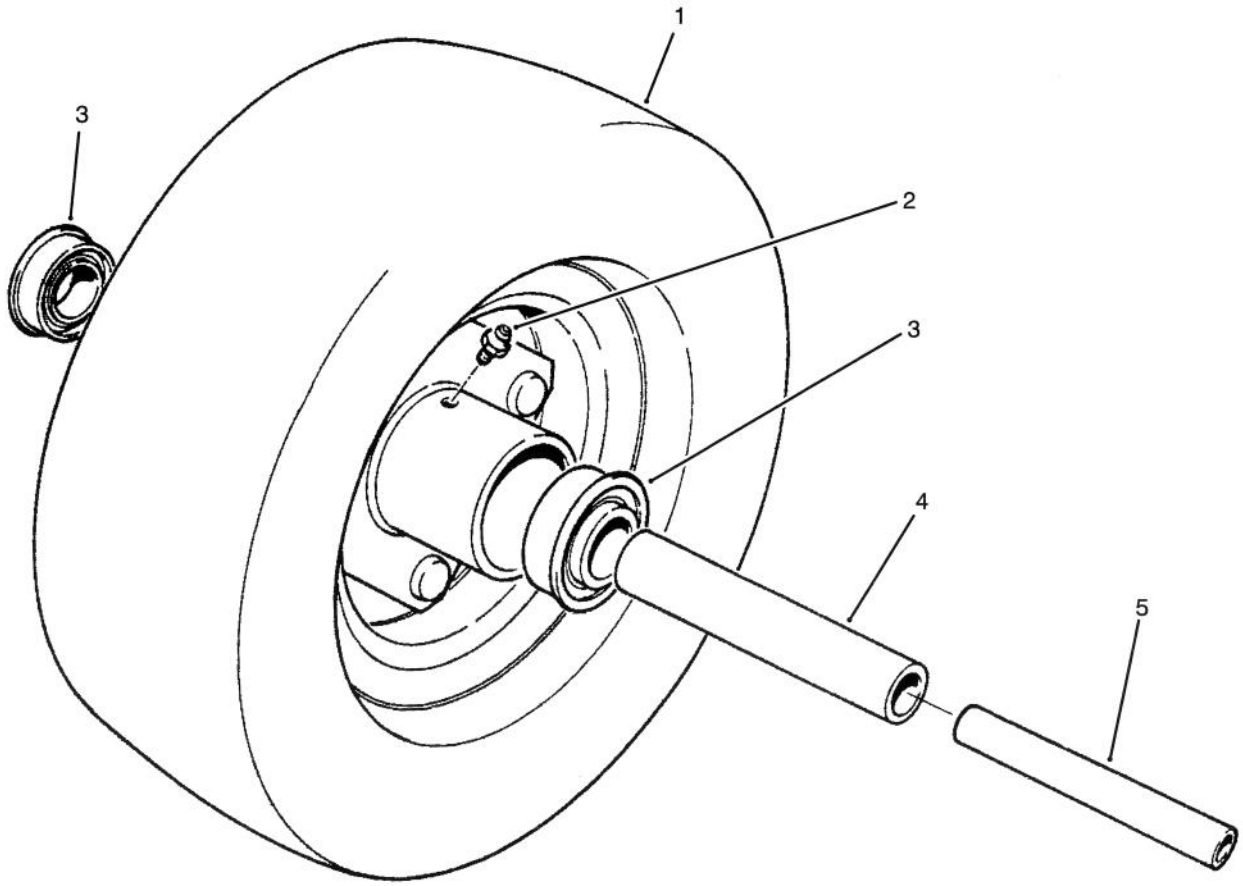


T–0977A

GEAR BOX ASSEMBLY NO. 68–6810

Ref. No.	Part No.	Description	No. Used
1	68–7030	Housing	1
2	62–3490	Plug – Pipe (Solid)	4
3	62–3360	Cup – Bearing	2
4	62–3420	Gasket (.015 in.)	A/R
5	62–3430	Gasket (.005 in.)	A/R
6	62–3440	Gasket (.003 in.)	A/R
7	68–7070	Ring – Retaining	2
8	62–3380	Key	2
9	62–3370	Cone – Bearing	2
10	68–7080	Gear	1

Ref. No.	Part No.	Description	No. Used
11	72–9370	Shim (.020 in.)	2
12	254–94	Cone – Bearing	2
13	62–3400	Seal	2
14	62–3340	Cup – Bearing	2
15	62–3310	Screw – Cap	8
16	62–3410	Cap	2
17	68–7040	Shaft	1
18	68–7060	Gear	1
19	68–7050	Shaft	1
20	3257–5	Key – Woodruff	1

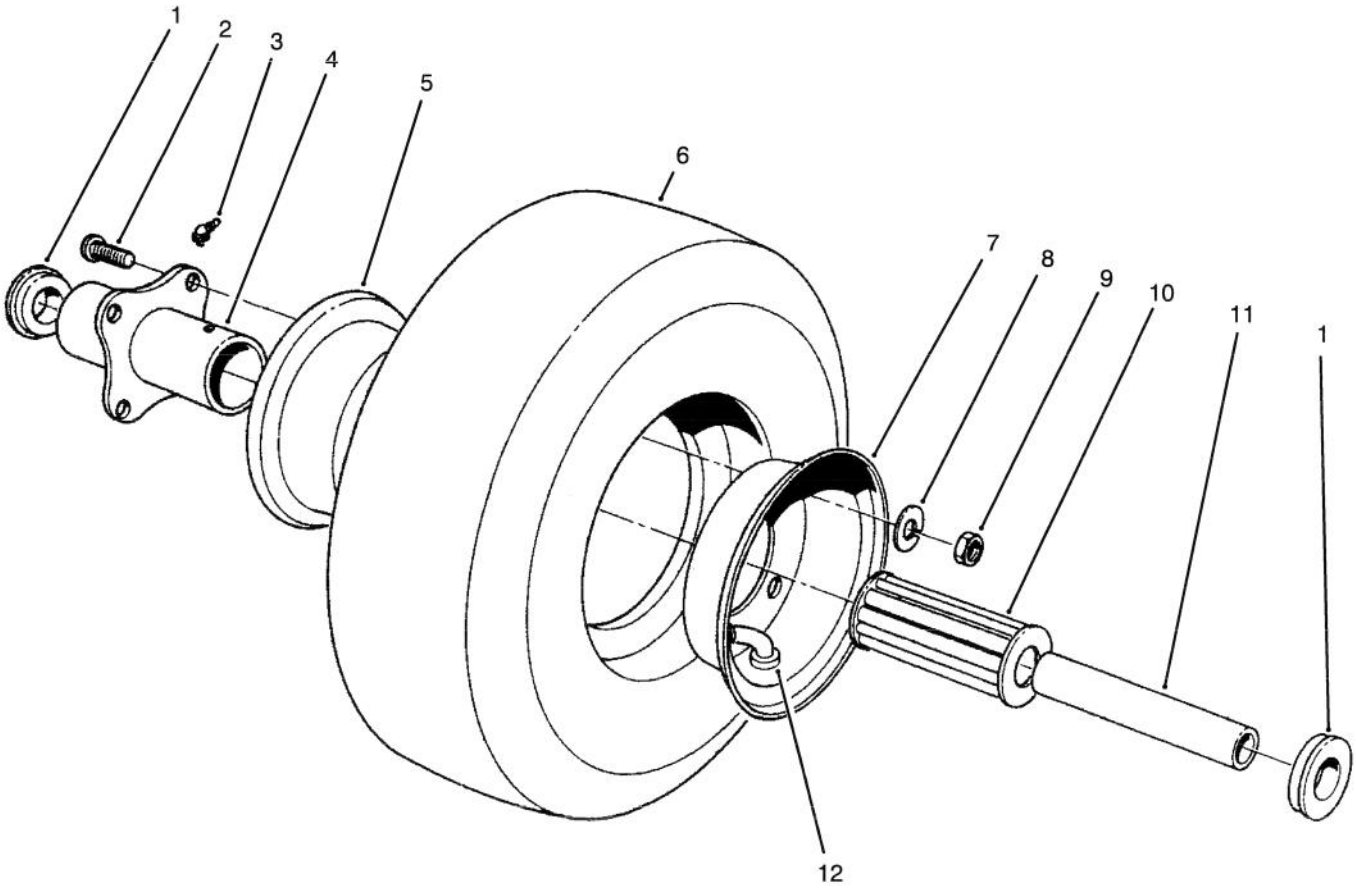


T–1177

10" SEGMENTED FRONT CASTER WHEEL (Optional)

Ref. No.	Part No.	Description	No. Used
1	76–1880	10" Segmented Wheel Assy. (Incl. Ref. #2–5)	1
2	302–5	Fitting – Grease	1

Ref. No.	Part No.	Description	No. Used
3	251–321	Bearing – Ball	2
4	251–332	Spacer – Inner	1
5	80–0040	Spacer	1



T–0448

PNEUMATIC TIRE & WHEEL ASSEMBLY (Optional)

Ref. No.	Part No.	Description	No. Used
1	54–8930	Retainer	2
2	54–8890	Bolt – Wheel	4
3	302–10	Fitting – Grease	1
4	54–8920	Hub – Centered	1
5	54–8910	Wheel Half – Female	1
6	54–8960	Tire	1
7	54–8900	Wheel Half – Male	1

Ref. No.	Part No.	Description	No. Used
8	3253–4	Washer – Lock	4
9	3217–6	Nut – Hex.	4
10	54–8940	Bearing – Roller (Open Cage)	1
11	55–7080	Bushing – Spanner	1
12	54–8950	Tube w/Valve	1

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3–6498	Washer	1	5	1
3–6781	Washer	2	23	4
5–0838	Washer	1	23	16
12–1509	Pneumatic Wheel/Tire Assy.	2	*	2
16–1259	Plate – Mount, Gear Box	5	10	1
21–3020	Mount – Ball Joint, RH	2	4	1
23–1640	Bushing – Taperlock	5	18	1
26–1530	Fork – Castor, Front	2	22	2
28–9290	Bushing	2	24	4
36–1740	Roller	1	29	3
40–6400	Shaft – Roller	1	30	3
43–8480	Decal – Danger	3	1	4
54–8890	Bolt – Wheel	10	2	4
54–8900	Wheel Half – Male	10	7	1
54–8910	Wheel Half – Female	10	5	1
54–8920	Hub – Centered	10	4	1
54–8930	Retainer	10	1	2
54–8940	Bearing – Roller	10	10	1
54–8950	Tube w/Valve	10	12	1
54–8960	Tire	10	6	1
54–9040	Yoke – End	6	2	1
54–9180	Kit – Universal Joint	6	5	2
55–7080	Bushing – Spanner	10	11	1
57–0690	Pin – Special	1	31	3
62–3310	Screw – Cap	8	15	8
62–3340	Cup – Bearing	8	14	2
62–3360	Cup – Bearing	8	3	2
62–3370	Cone – Bearing	8	9	2
62–3380	Key	8	8	2
62–3400	Seal	8	13	2
62–3410	Cap	8	16	2
62–3420	Gasket (.015 in.)	8	4	A/R
62–3430	Gasket (.005 in.)	8	5	A/R
62–3440	Gasket (.003 in.)	8	6	A/R
62–3490	Plug – Pipe (Solid)	8	2	4
62–3800	Yoke – End	6	9	1
62–4340	Spanner	2	17	4
62–5580	Bearing	2	14	8
63–0070	Spacer	2	26	12
63–1540	Pulley – Idler	1	13	2
63–8410	Washer	5	12	4
63–9750	Mount	5	3	4
66–6480	Washer	2	2	5
68–6810	Assembly – Gear Box	5	7	1
68–7030	Housing	8	1	1
68–7040	Shaft	8	17	1
68–7050	Shaft	8	19	1
68–7060	Gear	8	18	1
68–7070	Ring – Retaining	8	7	2
68–7080	Gear	8	10	1
68–8340	Decal – Torque	5	2	1
68–8560	Bracket – RH, Gear Box	5	6	1
69–1530	Housing – Spindle	7	8	1
69–6220	Belt – Drive	5	1	1
69–6260	Magnet	4	8	4
69–6870	Plate – Magnet	4	6	4
69–6960	Spacer – Idler	1	12	3
69–9290	Pad – Bumper	1	21	1
70–2560	Decal – Lube	5	23	1
71–2530	Assembly – Bearing	7	5	1
72–9361	Cup – Anti–Scalp	7	13	1
72–9370	Shim (.020 in.)	8	11	2
76–1880	10" Segmented Wheel Assy.	9	1	1
76–1880	Segmented Tire Assy. – 10"	2	*	2
80–0040	Spacer	9	5	1
83–4740	Bearing – Roller	2	16	4
85–5420	Housing – Deck	1	27	1
85–5760	Assembly – Wheel 8	2	15	2
85–5810	Mount – Ball Joint, LH	2	7	1
85–5830	Bracket – Chain	2	3	2
85–5850	Shroud – Universal	5	9	1
85–5860	Pulley – W.A.	5	17	1
85–5900	Arm – Idler, W.A.	1	4	1
85–5920	Bracket – Idler Arm	1	10	2
85–5930	Tube – Spring	1	2	1
85–5940	Rod – Spring	1	17	1
85–5950	Skid – W. A., RH	1	*	1
85–5980	Skid – W. A., LH	1	25	1
85–6010	Shaft – Spindle	7	10	1
85–6030	Pulley – Spindle	7	3	1
85–6040	Blade – 25.18"	7	12	1
85–6050	Cover – LH	4	4	1
85–6060	Cover – LH Center	4	3	1
85–6070	Cover – RH Center	4	2	1
85–6080	Cover – RH	4	1	1
85–6120	Decal – Belt Routing	3	2	1
85–6130	Decal – Height–Of–Cut	5	16	1
85–6170	Tube – Slip Yoke	6	8	1
85–6180	Shaft – Slip Yoke	6	6	1
85–6330	Bracket – W.A., Gear Box	5	13	1
85–6390	Spring	1	1	1
85–6410	Decal – Danger	3	3	2
85–6430	Decal – Guardian	3	9	1
85–6460	Chamber W.A. – LH	3	5	1
85–6470	Chamber W.A. – RH	3	8	1
85–6480	Chamber W.A. – Center	3	7	1
92–1655	Assembly – Wheel 10"	2	21	2
92–1760	Bushing – Rubber	2	12	2
92–1761	Fork – Castor, Rear	2	20	2
92–1765	Washer	2	10	4
92–1766	Castor Arm Assembly RH	2	5	1
92–1768	Castor Arm Assembly LH	2	11	1
92–5816	Screw – Blade	7	15	1
92–7847	Decal – Warning	5	20	1
92–8866	Spacer	2	9	12
92–9800	Spacer – Spindle Shaft	7	11	1
251–321	Bearing – Ball	9	3	2
251–332	Spacer – Inner	9	4	1
253–154	Seal – Wave	7	4	2
254–94	Cone – Bearing	8	12	2
256–188	Bushing	1	3	1
283–71	Pin – Lynch	2	27	4
283–82	Pin – Clevis	1	15	1
302–2	Fitting – Grease	7	1	1
302–2	Fitting – Grease	1	7	1
302–5	Fitting – Grease	9	2	1
302–5	Fitting – Grease	2	25	2
302–10	Fitting – Grease	10	3	1

*Not Illustrated

PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
302-40	Fitting – Grease	2	13	4
302-58	Fitting – Grease	6	7	1
321-8	Screw – Cap Hex. Hd.	1	16	1
322-9	Screw – Cap Hex. Hd.	6	4	2
323-4	Screw – Cap Hex. Hd.	5	4	6
323-14	Screw – Cap Hex. Hd.	1	24	16
324-12	Screw – Cap Hex. Hd.	2	1	4
324-13	Screw – Cap Hex. Hd.	2	8	1
325-6	Screw – Cap Hex. Hd.	1	18	1
325-8	Screw – Cap Hex. Hd.	1	14	1
325-22	Screw – Cap Hex. Hd.	2	18	4
3217-6	Nut – Hex.	10	9	4
3230-18	Bolt – Carriage	3	6	18
3231-26	Bolt – Carriage	5	15	3
3231-27	Bolt – Carriage	7	6	6
3233-9	Bolt – Carriage	1	26	6
3234-11	Screw – Flange Head	5	21	6
3234-18	Screw – Cap Fl. Hd.	5	14	1
3247-4	Screw – Set	5	19	2
3253-4	Washer – Lock	10	8	4
3253-21	Washer – Lock	5	5	6
3256-24	Washer – Flat	7	7	A/R
3256-24	Washer – Flat	5	22	A/R
3257-5	Key – Woodruff	8	20	1
3269-25	Rivet – Pop	4	5	8
3272-11	Pin – Cotter	1	28	2
3290-467	Pin – Cotter	1	9	1
3296-2	Nut – Lock	4	7	8
3296-29	Nut – Lock	6	1	2
3296-49	Nut – Lock	7	2	1
32104-82	Screw – Flange Head	5	8	2
32105-1	Screw – Hex. Hd. Machine	4	9	8
32108-103	Screw – Flat Head	1	20	2
32120-72	Ring – Retaining	1	6	1
32121-34	Pin – Roll	6	3	2
32128-19	Nut – Lock Fl. Hd.	1	22	16
32128-21	Nut – Flange Head	7	9	6
32128-21	Nut – Lock, Flange Head	5	11	10
32128-23	Nut – Lock, Flange Head	2	19	4
32128-25	Nut – Flange Head	3	4	18
32128-25	Nut – Flange Head	1	19	2
32128-32	Nut – Flange Head	1	8	1
32128-37	Nut – Flange Head	2	6	5
32128-49	Nut – Flange Head	1	11	8

*Not Illustrated

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.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Guardian ® 72" Recycler ® has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the right hand side of the rear deck channel . In any correspondence concerning the Guardian ® 72" Recycler , supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer, supply the following information:

1. Model and serial number of the Guardian ® 72" Recycler.
2. Part number, description, and the quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

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Description	Page
Housing, Idler & Skids Assembly	1
Castor Wheels & Arm Assembly	2
Chambers, Kickers & Decals	3
Cover Assembly	4
Gear Box & Mount Assembly	5
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Spindle Assembly	7
Gear Box Assembly No. 68–6810	8
10" Segmented Front Caster Wheel (Optiona)	9
Pneumatic Tire & Wheel Assembly (Optional)	10
Numerical Parts Index	11–12

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.