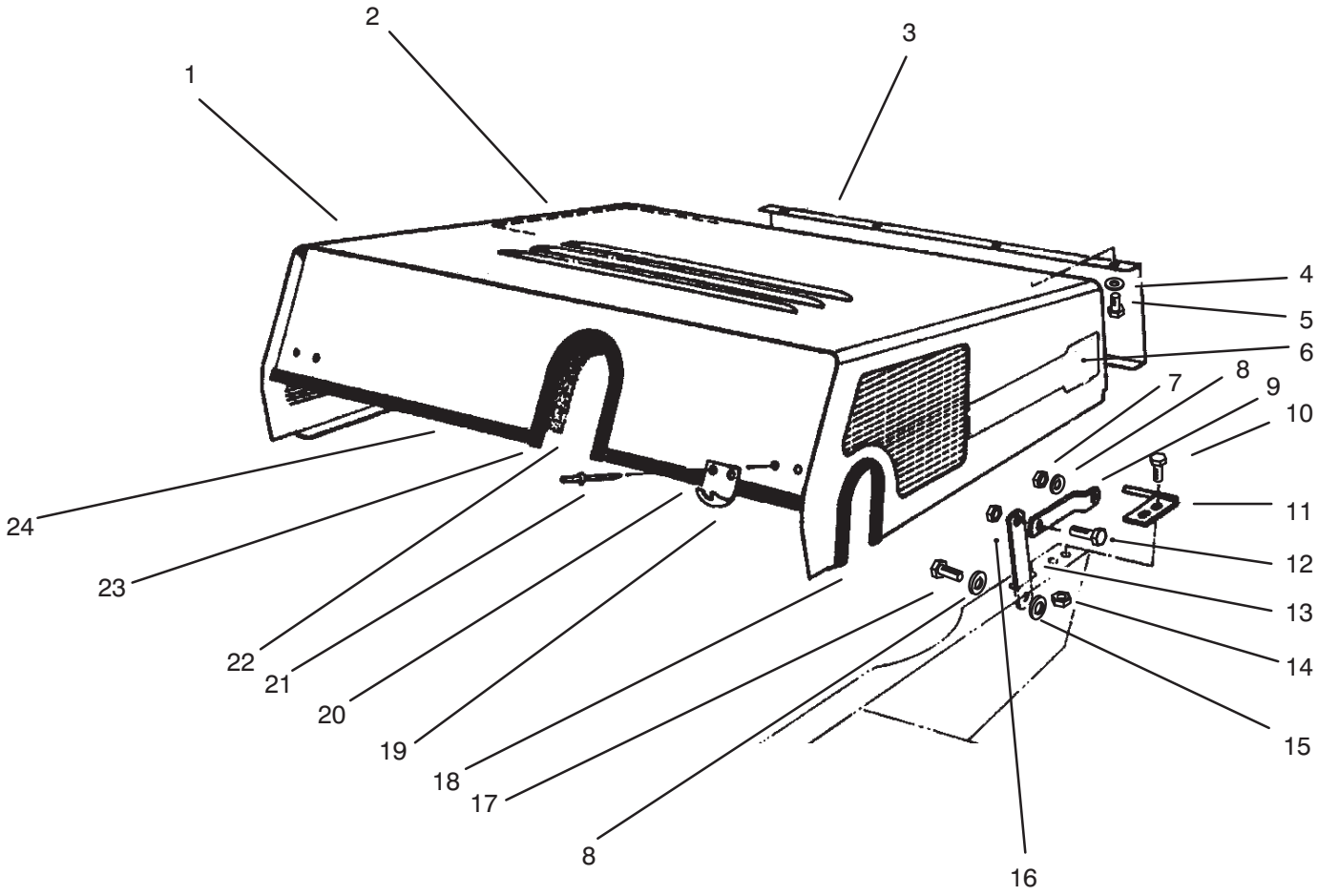
FORM NO. 3317–820

TORO®

MODEL NO. 30620–690001 & UP

PARTS CATALOG

GROUNDSMASTER® 220
TRACTION UNIT



C–1275

HOOD ASSEMBLY

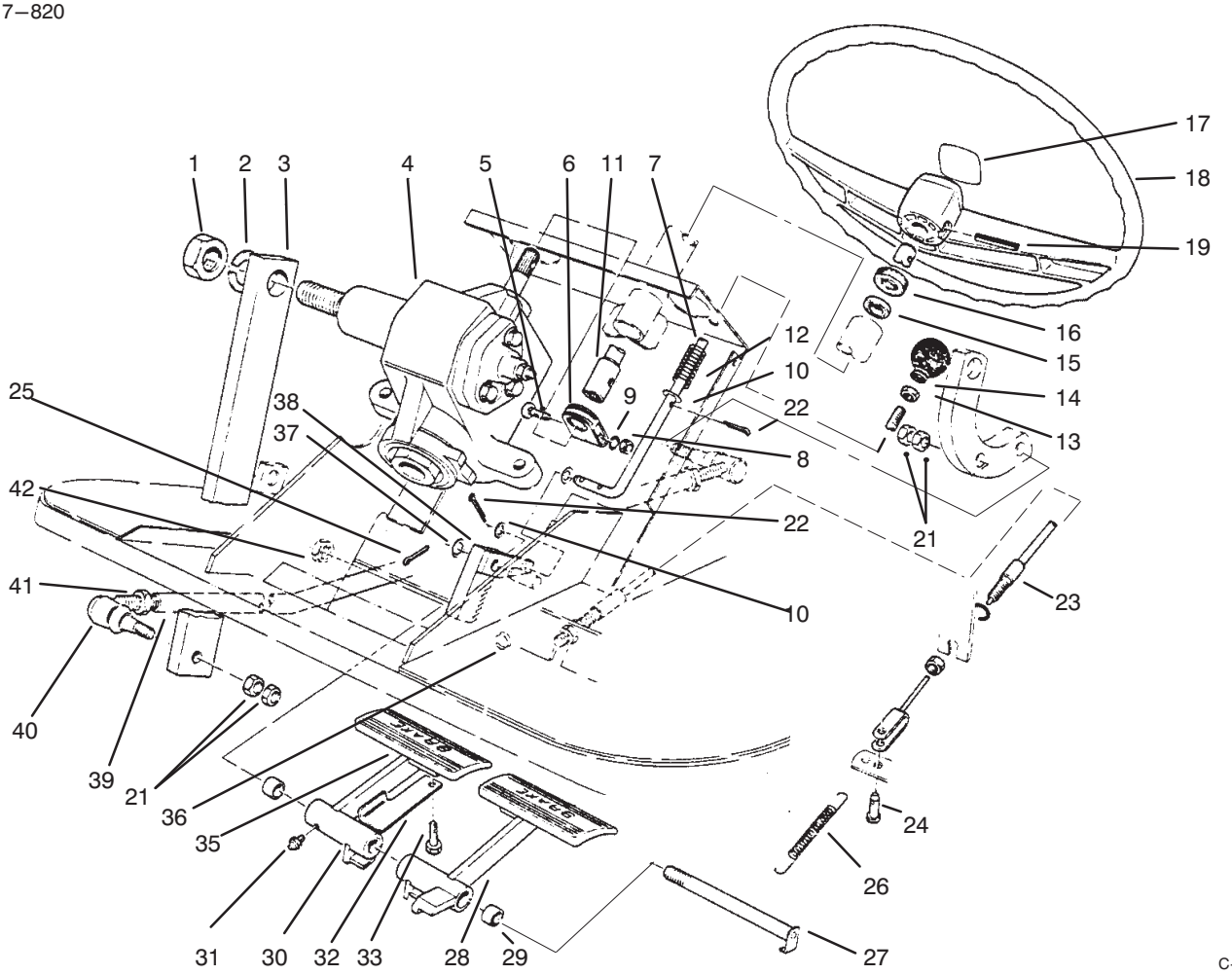
Ref. No.	Part No.	Description	No. Used
1	12–5869	Hood	1
2	44–9040	Foam – Hood (Rear)	1
3	44–8830	Grille – Rear Panel	1
4	3256–22	Washer – Flat	8
5	32140–94	Screw – Self Tap. Hex. Hd.	8
6	94–5411	Decal – Groundsmaster 220	2
7	32128–19	Nut – Flange	2
8	3290–211	Washer – Lock	4
9	27–6800	Link – Hood	2
10	3234–13	Screw – Hex. Flange Hd.	4
11	27–4830	Pin – Pivot L.H.	1
*	27–4800	Pin – Pivot R.H.	1
12	3211–27	Screw – Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
13	27–6810	Tie – Hood	2
14	32128–33	Nut – Hex. Flange	4
15	4–2390	Washer	2
16	19–1470	Screw – Shoulder	2
17	3296–5	Nut – Lock	2
18	44–9190	Trim – Hood	1
19	249–40	Keeper – Reverse	2
20	46–3320	Trim – Hood	1
21	3269–16	Rivet – Pop	4
22	44–9030	Foam – Hood (Front)	1
23	38–4070	Trim – Hood	1
24	38–4080	Trim – Hood	1

*Not Illustrated

© The TORO Company –1995
All Rights Reserved

TPS



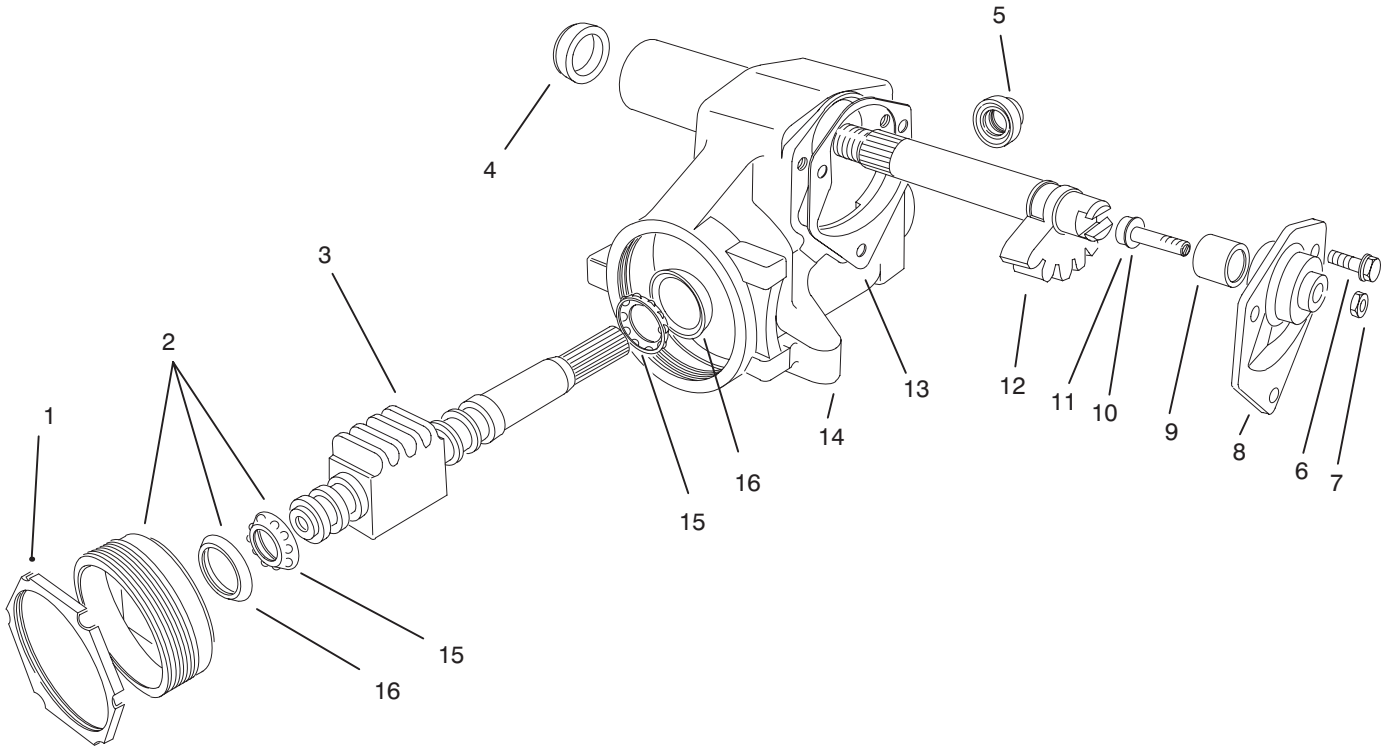
C–1280

PEDALS & STEERING WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3220–8	Nut	1
2	3253–28	Washer – Lock	1
3	41–8880	Arm – Gear Box	1
4	41–8820	Steering Gear Assembly (Incl. Ref. #1 & 2)	1
5	3232–16	Bolt – Carriage	1
6	41–8830	Clamp – Coupling	1
7	27–3550	Rod – Brake Latch	1
8	3217–8	Nut – Hex.	1
9	3253–6	Washer – Lock	1
10	3256–22	Washer – Flat	3
11	41–8840	Shaft – Steering	1
12	3–3251	Spring	1
13	32128–33	Nut – Hex. Flange	1
14	233–17	Knob	1
†15	251–275	Bearing – Ball	1
16	21–9260	Cover – Dust	1
17		Cap – Steering Wheel	1
18	76–1420	Wheel – Steering	1
19	32121–10	Pin – Roll	1
21	3220–3	Nut – Jam	4
22	3272–5	Pin – Cotter	3

Ref. No.	Part No.	Description	No. Used
23	21–3370	Assembly – Brake Cable	2
24	283–58	Pin – Clevis	2
25	3272–10	Pin – Cotter	3
26	3–7243	Spring – Return	2
27	42–2540	Pin – Brake	1
28	41–8810	Pedal – Brake L.H. (Incl. Ref. #29 & 31)	1
29	256–42	Bushing	4
30	41–8800	Pedal – Brake, R.H. (Incl. Ref. 29 & 31)	1
31	302–5	Fitting – Grease	2
32	27–3560	Latch – Parking Brake	1
33	32144–10	Screw – Hex. Self Tap	1
35	7–3900	Pad – Brake	2
36	3290–378	Tie – Cable	1
37	3256–26	Washer – Flat	2
38	42–3220	Rack	1
39	27–3390	Tube – Front Steering	1
40	21–0141	Socket Assembly R.H.	2
41	3220–5	Nut – Hex. Jam	2
42	3296–33	Nut – Lock	1

†Included with Steering Post Bracket Assembly, Ref. Page 6, Item 43



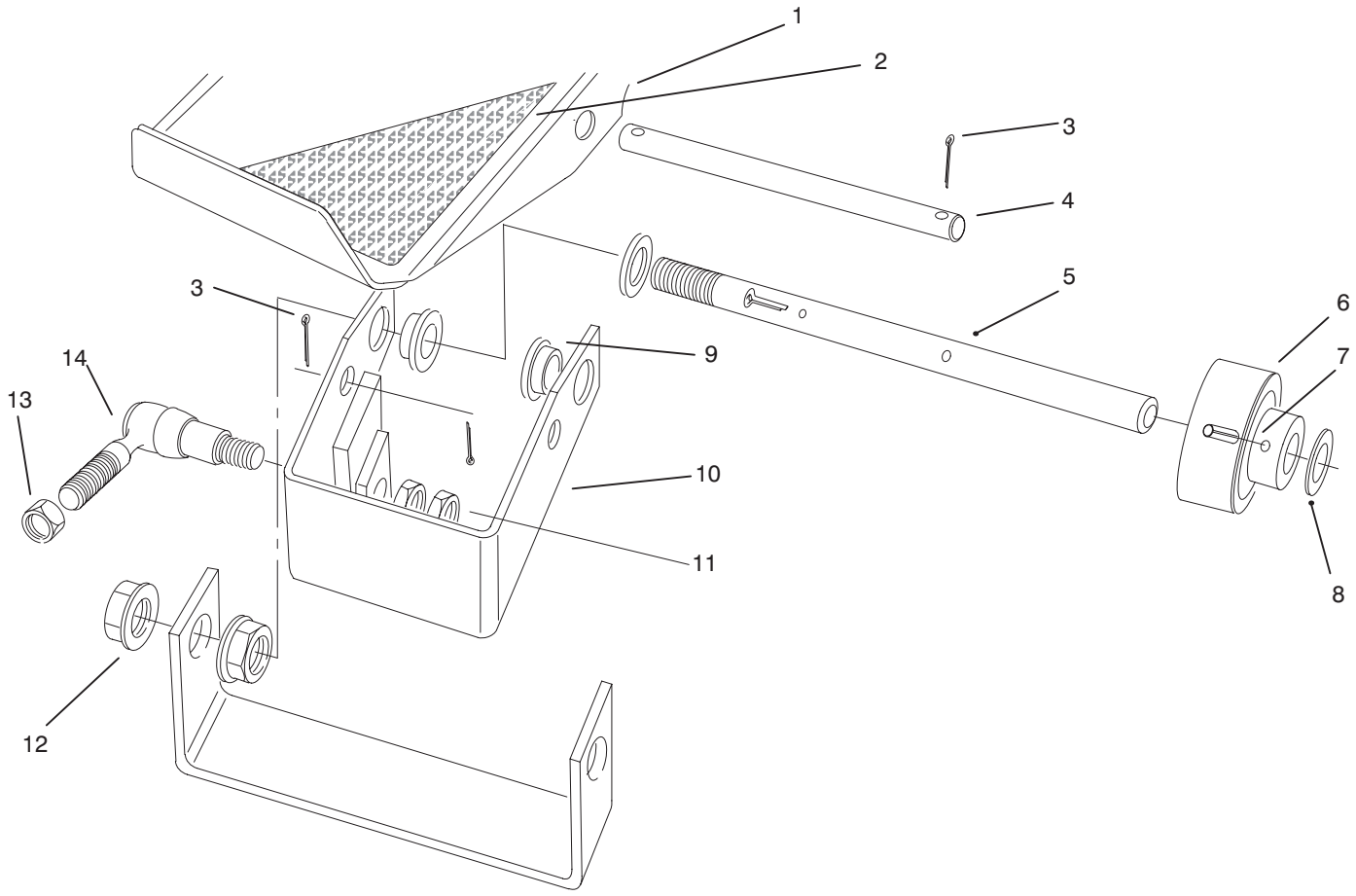
T–0701

STEERING GEAR ASSEMBLY NO. 41–8820

Ref. No.	Part No.	Description	No. Used
1	5676217	Nut – Adjuster Lock	1
2	7840888	Assembly – Adjuster	1
3	7812946	Steering Worm Assembly	1
4	7801626	Seal	1
5	7802160	Seal	1
6	7807009	Bolt – Flange Hex. Hd.	3
7	114495	Nut	1
8	7806748	Kit – Side Cover Service (Incl. Ref. #6, 9, 11 & 13)	1

Ref. No.	Part No.	Description	No. Used
9		Bushing	1
10	605142	Kit – Shim	1
11	7802482	Adjuster	1
12	7812834	Gear – Pitman Shaft	1
13	5666734	Gasket	1
14	5679292	Housing – Steering Gear	1
15	5666693	Assembly – Thrust Bearing	2
16	5666683	Cup – Bearing	2

Note: Obtain parts from your local GMC, Chevrolet Dealer.

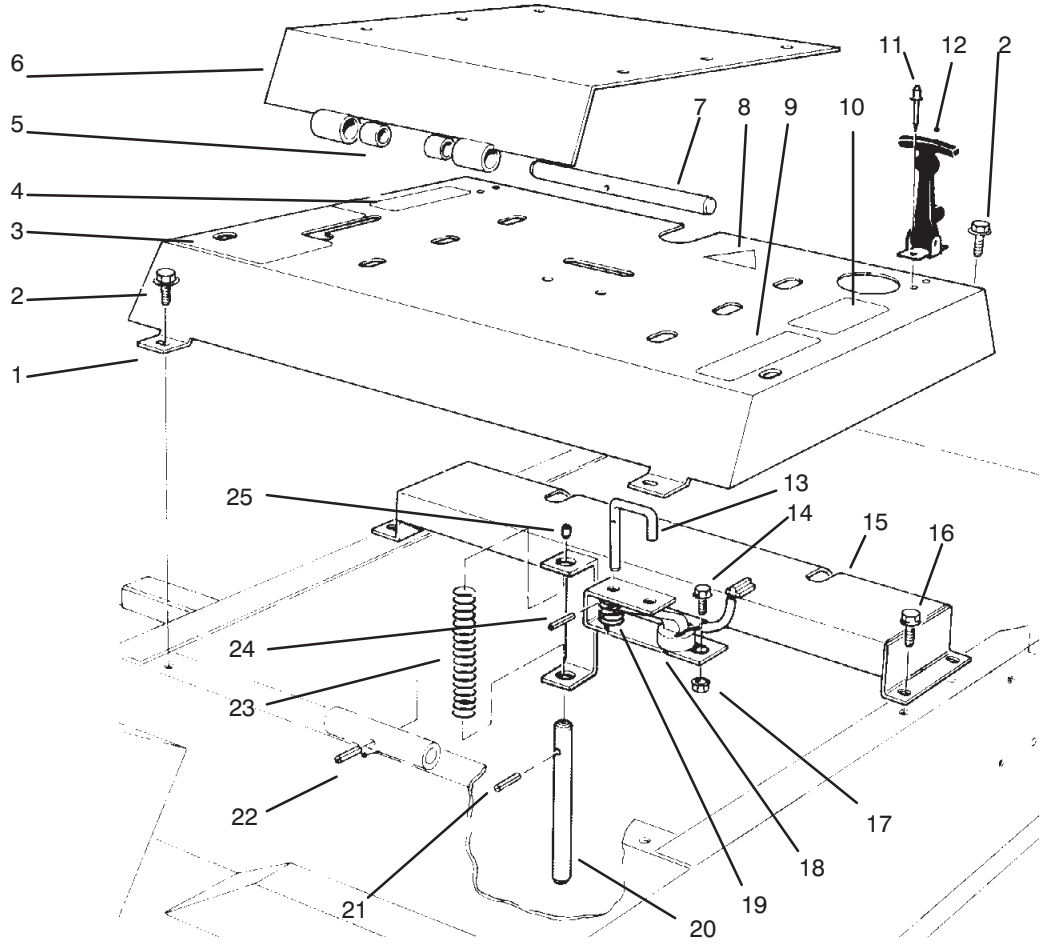


C–2398

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	29–5670	Pedal – Traction	1
2	28–5130	Pad – Traction Pedal	1
3	3272–10	Pin – Cotter	4
4	29–5630	Pin – Pedal Pivot	1
5	70–9830	Shaft – Traction Pedal	1
6	28–5220	Wheel – Friction	1
7	32121–6	Pin – Roll	1
8	5–7570	Washer	2
9	256–156	Bushing – Flange	2

Ref. No.	Part No.	Description	No. Used
10	29–5600	Pivot Bracket Assembly (Incl. Ref. #9)	1
11	3220–3	Nut – Jam	2
12	32128–49	Nut – Hex. Flange	2
13	3220–5	Nut – Jam	1
14	21–0141	Socket Assembly R.H.	1



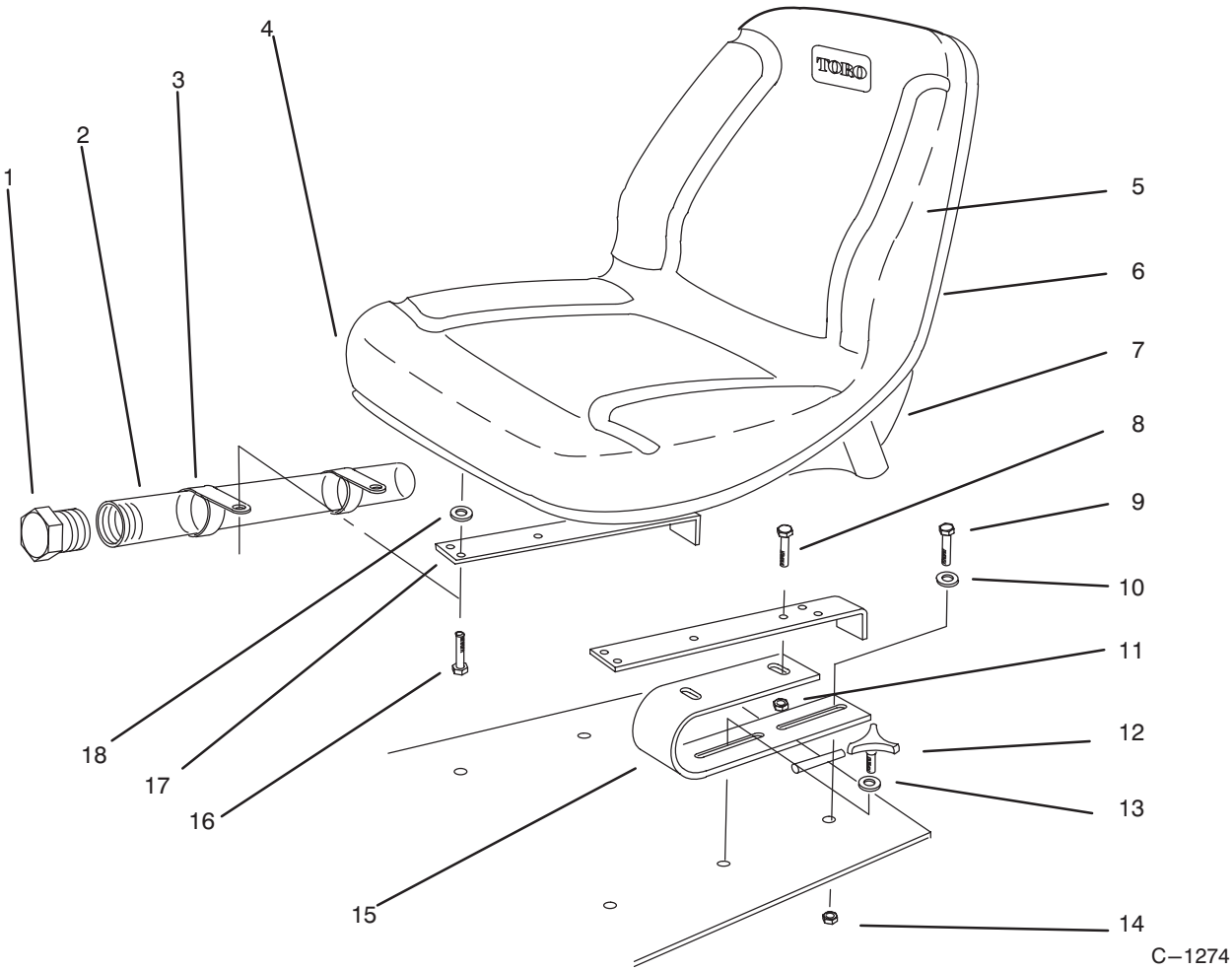
C–2399

SEAT MOUNT

Ref. No.	Part No.	Description	No. Used
1	61–8140	Cover – Seat Support (Incl. Ref. #4, 5, 9 & 10)	1
2	46–8560	Screw – Hex. Flange Hd.	4
3	68–7320	Decal – Hydraulic Lift	1
4	67–1710	Decal – Caution	1
5	256–173	Bushing	2
6	38–4020	Mounting – Seat (Incl. Ref. #5)	1
7	27–4720	Shaft – Seat Pivot	1
8	43–8480	Decal – Danger	1
9	68–7330	Decal – Caution	1
10	27–7310	Decal – Refueling	1
11	3269–16	Rivet – Pop	4
12	249–39	Assembly – Handle	2

Ref. No.	Part No.	Description	No. Used
13	38–3170	Pin – Seat Switch	1
14	3234–13	Screw – Hex. Flange Hd.	1
15	37–9770	Support – Seat	1
16	3234–11	Screw – Hex. Flange Hd.	4
17	32128–33	Nut – Hex. Flange Hd.	1
18	29–6930	Arm – Switch	1
19	3–6685	Spring	1
20	27–9870	Pin – Seat Switch	1
21	32121–6	Pin – Roll	1
22	32121–4	Pin – Roll	1
23	37–9590	Spring	1
24	32121–18	Pin – Roll	1
25	28–6180	Pin – Pedal	1

3317–820

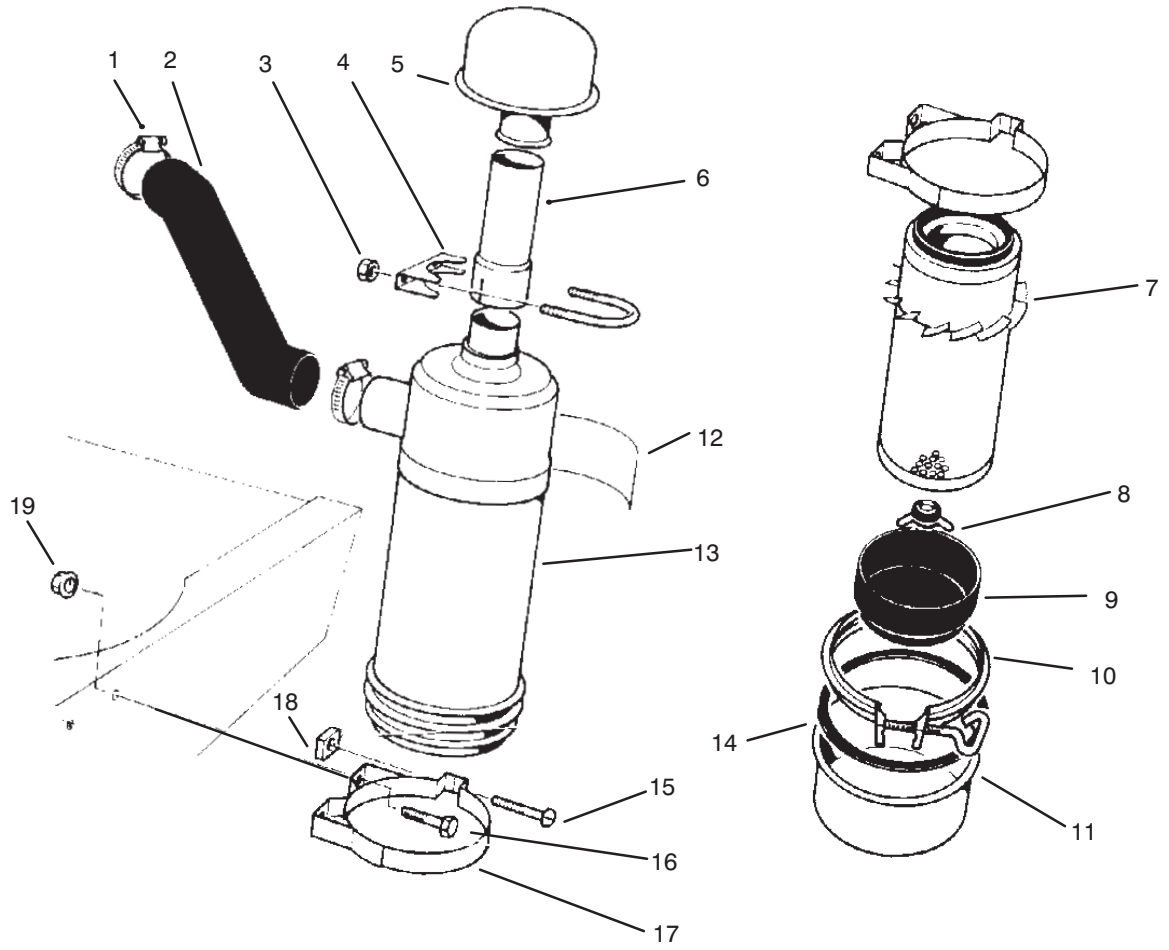


SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1		Cap – Tube	1
2	74–0720	Tube – Manual	1
3	2412–123	”R”Clamp	2
4	92–1180	Seat	1
5	92–6533	Kit – Cushion	1
6	351–78	Edging	1
7	92–6534	Shell – Seat	1
8	322–5	Screw	4
9	27–5240	Bolt – Shoulder	2

Ref. No.	Part No.	Description	No. Used
10	3256–26	Washer – Flat	2
11	32128–20	Nut	4
12	27–4570	Handle – Adjustment	2
13	36–8020	Washer	2
14	3296–39	Nut – Lock	2
15	46–9110	Spring – Seat	2
16	3234–17	Screw – Hex. Hd.	4
17	46–9120	Mount – Seat	2
18	109989	Spacer	4

*Not Illustrated

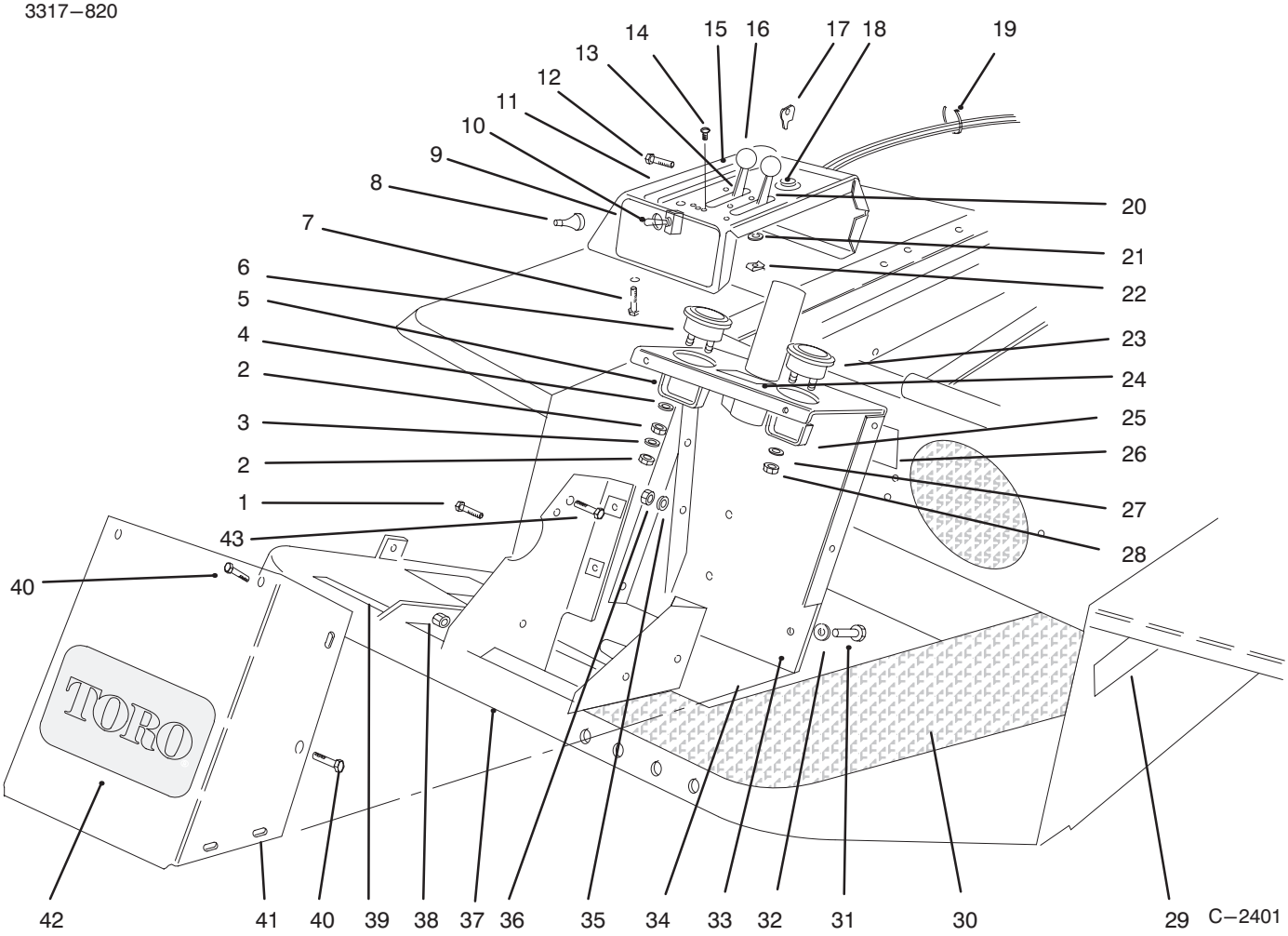


C–2400

AIR CLEANER

Ref. No.	Part No.	Description	No. Used
1	2412–42	Clamp – Hose	2
2	44–9050	Hose – Air Cleaner Inlet	1
3	3217–6	Nut – Hex.	2
4	20–4840	Clamp – Muffler	1
5	27–7180	Assembly – Cap	1
6	44–8950	Tube – Air Cleaner	1
7	27–7110	Assembly – Element	1
8	27–7120	Assembly – Nut & Gasket	1
9	27–7140	Skirt – Baffle	1
10	27–7130	Assembly – Clamp	1
11	27–7150	Assembly – Cup	1

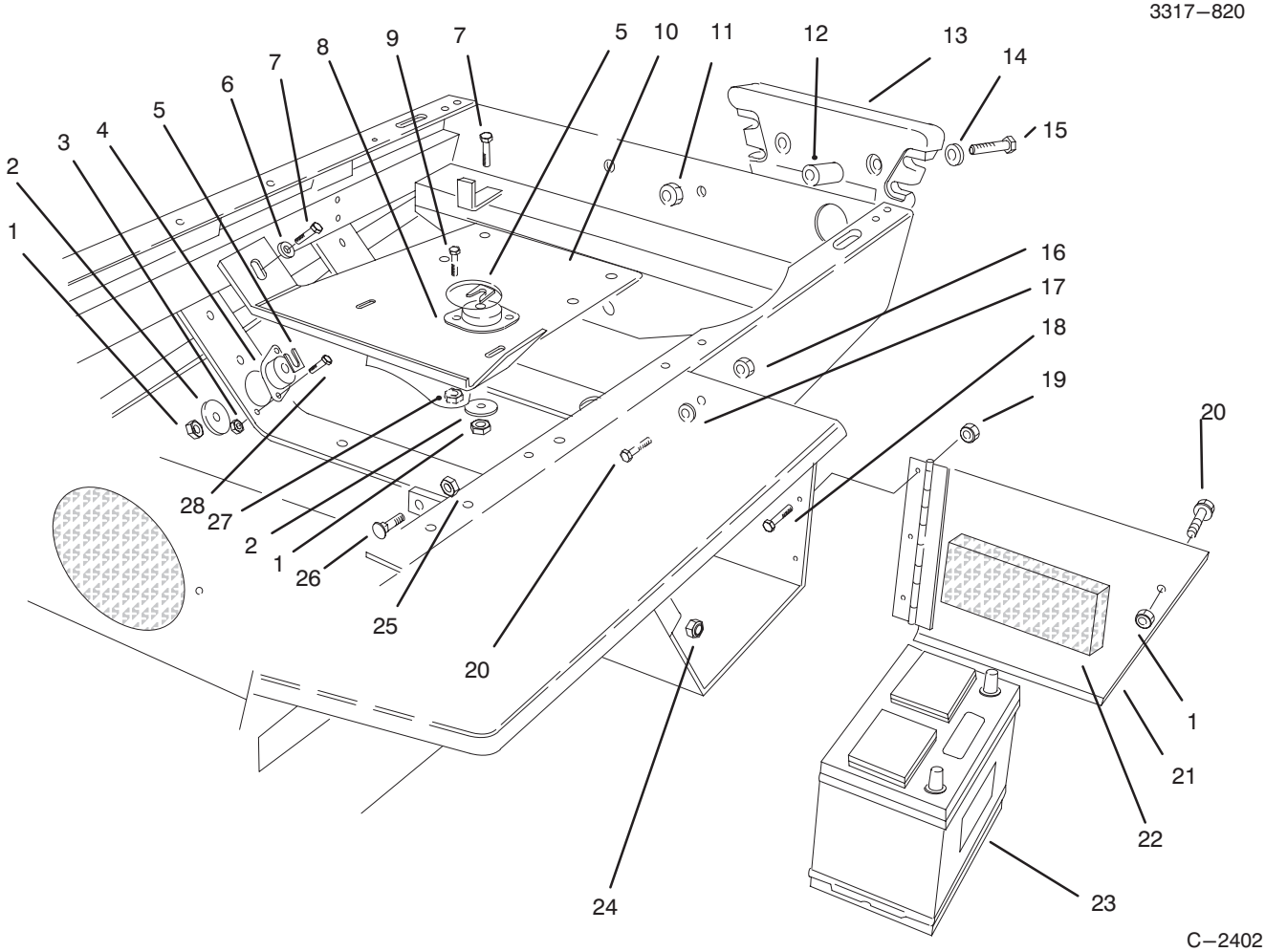
Ref. No.	Part No.	Description	No. Used
12	27–7160	Decal – Instruction	1
13	27–7100	Assembly – Air Cleaner (Incl. Ref. 6, 7–10 & 16–18)	1
14	80–3330	Gasket	1
15	3258–19	Screw – Machine	2
16	322–3	Screw – Hex. Hd.	4
17	27–7170	Assembly – Mounting, Band (Incl. Ref. #13 & 18)	2
18	32107–11	Nut – Square	2
19	32128–20	Nut – Hex. Flange	4



INSTRUMENT PANEL & STEERING POST

Ref. No.	Part No.	Description	No. Used
1	32104–60	Screw – Flange Hex. Hd.	1
2	3219–14	Nut – Brass	6
3	3254–8	Washer – Lock	2
4	3256–21	Washer – Flat	2
5	39–9600	Clamp – Mounting	1
6	33–0990	Ammeter	1
7	32104–116	Screw – Flange Hex. Hd.	2
8	218–473	Boot – Toggle Switch	1
9	46–3460	Decal – By–Pass	1
10	6–1659	Switch – Toggle (Incl. Ref. #7)	1
11	46–3350	Panel – Instrument	1
12	3234–4	Screw – Hex. Flange Hd.	1
13	44–9300	Control – Choke	1
14	3251–3	Screw – Mach. Rd. Hd.	4
15	68–7350	Decal – Instrument Panel	1
16	233–35	Knob	2
17	63–8360	Key	1
18	27–2360	Switch – Ignition	1
19	3290–378	Tie – Cable	1
20	44–9250	Control – Throttle	1
21	3256–22	Washer – Flat	1

Ref. No.	Part No.	Description	No. Used
22	32149–7	Nut – Keps	4
23	12–9990	Meter – Hour	1
24	41–8910	Decal – Instruction	1
25	218–515	Bracket – Mounting	1
26	53–4430	Decal – Oil	1
27	3254–1	Washer – Ext. Tooth	1
28	3217–26	Nut – Hex.	1
29	75–0810	Decal	2
30	27–3250	Nonskid – Tunnel	1
31	324–6	Screw – Hex. Hd.	3
32	3253–6	Washer – Lock	3
33	42–2580	Bracket – Steering Post	1
34	27–3260	Nonskid – Floor	1
35	3253–21	Washer – Lock	1
36	3217–7	Nut – Hex.	1
37	86–7290	Frame Assembly	1
38	3296–42	Nut – Lock	2
39	27–7320	Decal – Traction Pedal	1
40	46–8560	Screw – Self Tap. Hex. Hd.	11
41	41–8900	Cover – Steering Tower	1
42	62–7400	Decal – Toro	1
43	3234–11	Screw – Hex. Flange Hd.	1

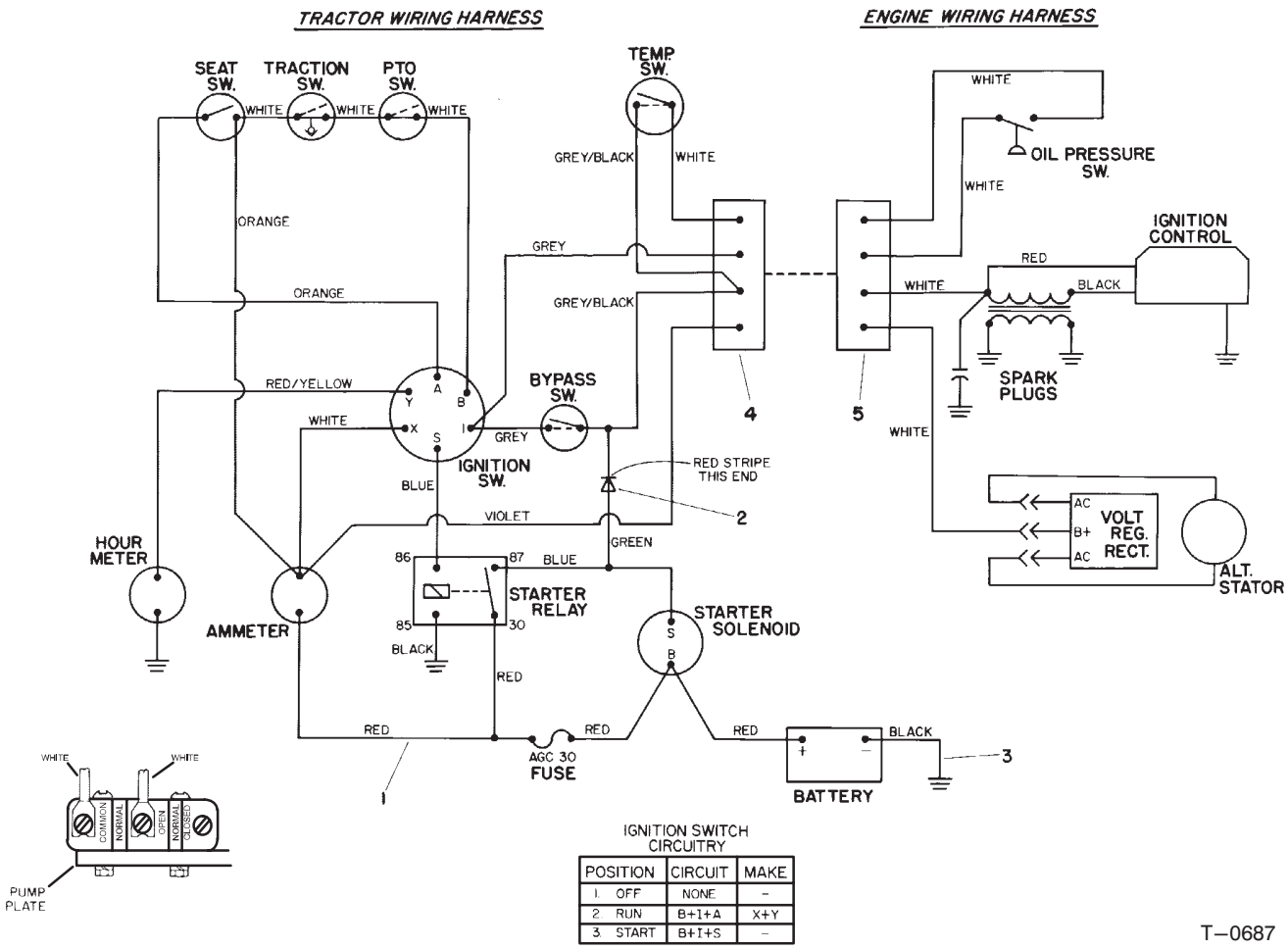


ENGINE MOUNT, BATTERY & REAR WEIGHT

Ref. No.	Part No.	Description	No. Used
1	3296–39	Nut – Lock	5
2	63–7400	Washer	4
3	3296–29	Nut – Lock	4
4	44–9390	Mount – Engine Rubber	2
5	42–6080	Shim – Axle	A/R
6	3256–24	Washer – Flat	2
7	323–12	Screw – Hex. Hd.	4
8	18–8000	Mount – Rubber	2
9	3290–134	Screw – Mach. Hex. Hd.	4
10	44–9320	Base – Engine	1
11	3217–9	Nut	4
12		Spacer	2
13	24–5790	Weight – Rear	1
14	3253–7	Washer – Lock	2

Ref. No.	Part No.	Description	No. Used
15	325–8	Screw	2
16	3290–357	Nut – Flange Lock	1
17	3255–9	Washer – Lock	1
18	3274–31	Screw – Cap Button Hd.	3
19	3296–42	Nut – Lock	3
20	3234–11	Screw – Flange Hex. Hd.	2
21	44–8920	Cover – Battery	1
22	44–9460	Foam – Battery Cover	1
+23		Assembly – Battery	1
24	3290–433	Retainer – Grip Nut	1
25	3218–3	Nut – Hex. Jam	1
26	3231–29	Bolt – Carriage	1
27	3296–2	Nut – Lock	4
28	322–3	Screw – Hex. Hd.	4

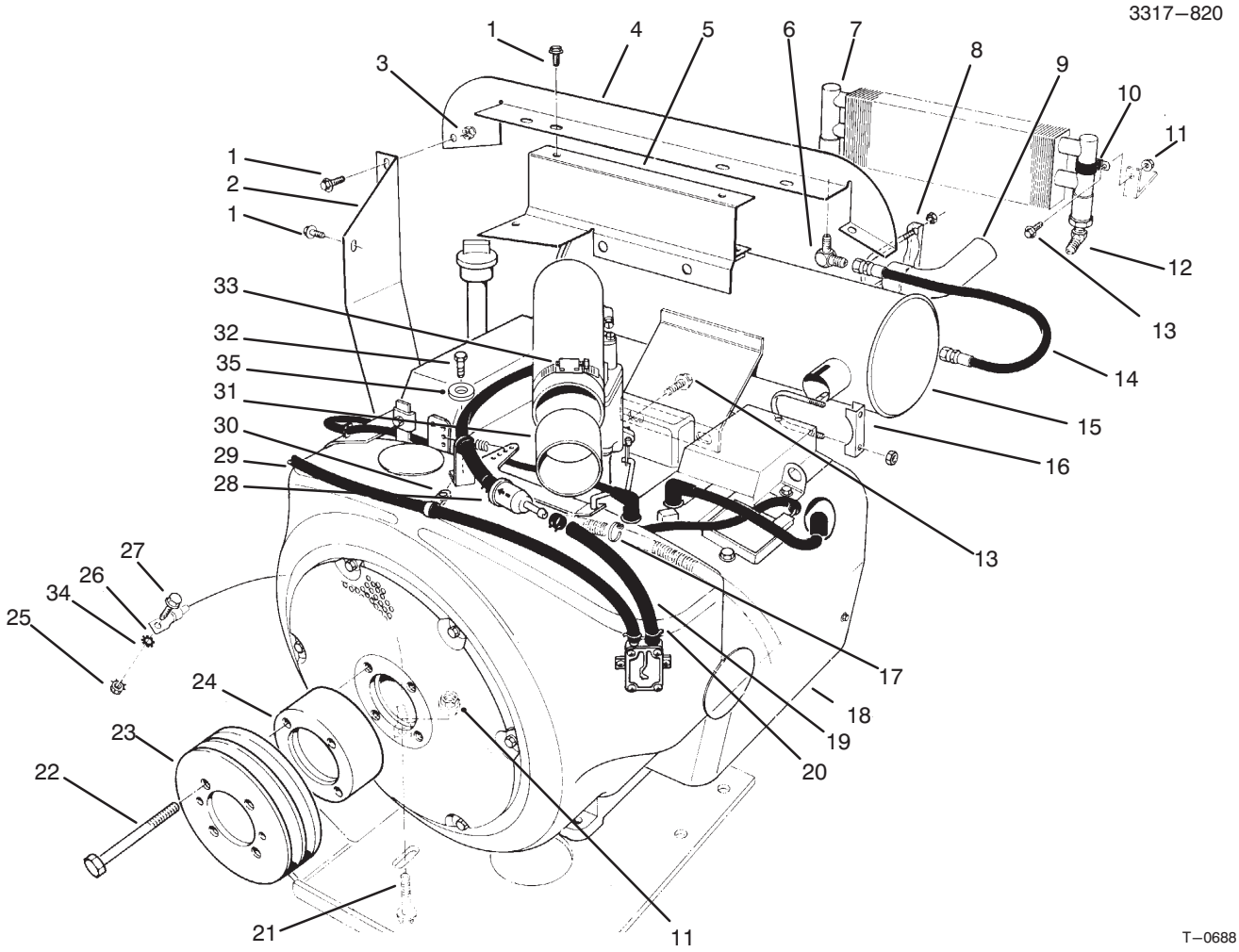
+Obtain locally. Group Size 26



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	86–9470	Harness – Wire (Incl. Ref. #2)	1
2	86–7470	Diode	1
3	27–5090	Wire – Battery Ground	1
4	72–4020	Housing – Tab	1
*	72–4040	Terminal – Tab	4
5	72–4010	Housing – Receptacle	1
*	72–4000	Terminal – Receptacle	5
*	72–4030	Housing	1
*	71–6070	Harness – Wiring	1
*	72–3990	Terminal – Ring	1
*	28–1280	Boot – Battery Cable	1

*Not Illustrated

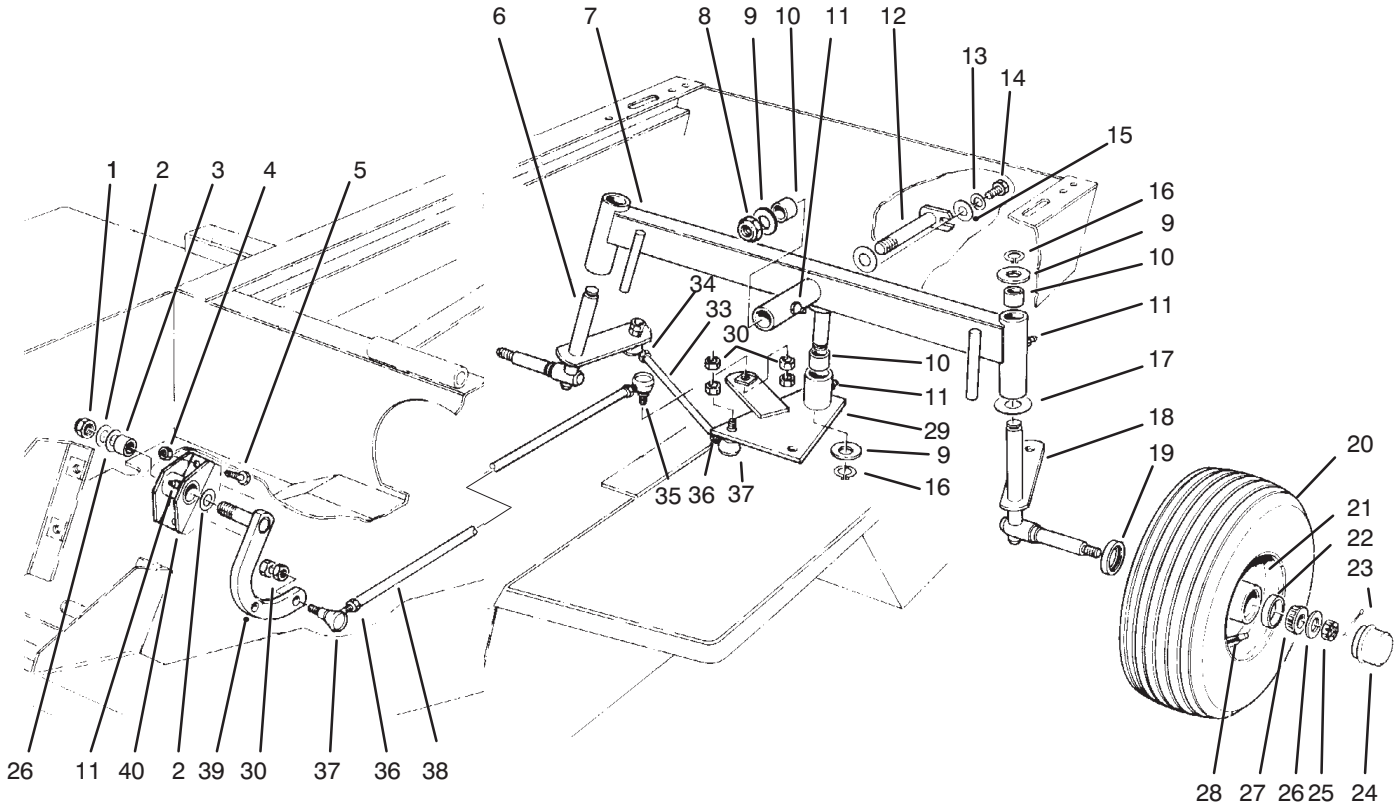


ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234–13	Screw – Hex Flange. Hd.	10
2	44–8690	Shield – Heat	1
3	3296–16	Nut – Lock	1
4	44–8710	Shroud – Engine	1
5	44–9010	Bracket – Shield Support	1
6	353–428	Elbow – Male 90°	1
7	22–7320	Cooler – Oil	1
8	2112–9	Clamp	1
9	72–7930	Extension	1
10	2412–39	”R”Clamp	2
11	3290–357	Nut – Flange Lock	4
12	353–714	Elbow – Male 45°	1
13	3234–11	Screw – Flange Lock	4
14	44–9020	Oil Hose Assembly	1
15	72–7920	Muffler	1
*	46–2390	Muffler – Spark Arrester (Optional)	1
16	2412–37	Clamp – Muffler	2
17	3290–378	Tie – Cable	3

Ref. No.	Part No.	Description	No. Used
18	94–1812	Engine – Onan (Model No. P220G–I/10808G	1
19	59–0710	Hose – Fuel	1
20	2412–36	Clamp – Hose	5
21	3234–18	Screw – Hex. Flange Hd.	2
22	3235–23	Screw – Hex. Hd.	4
23	43–5340	Pulley – Engine	1
24	71–0700	Spacer	1
25	32149–2	Nut – Lock	1
26	10–7160	Assembly – Wire	2
27	3234–4	Screw – Flange Hex. Hd.	1
28	71–5960	Filter – Fuel	1
29	71–3370	Line – Fuel	1
30	2412–142	”R”Clamp	1
31	44–9450	Adapter – Air Inlet	1
32	49–2040	Screw – Self Tapping	1
33	2412–42	Clamp – Hose	1
34	3255–7	Washer – Lock	1
35	3256–3	Washer	1

*Not Illustrated



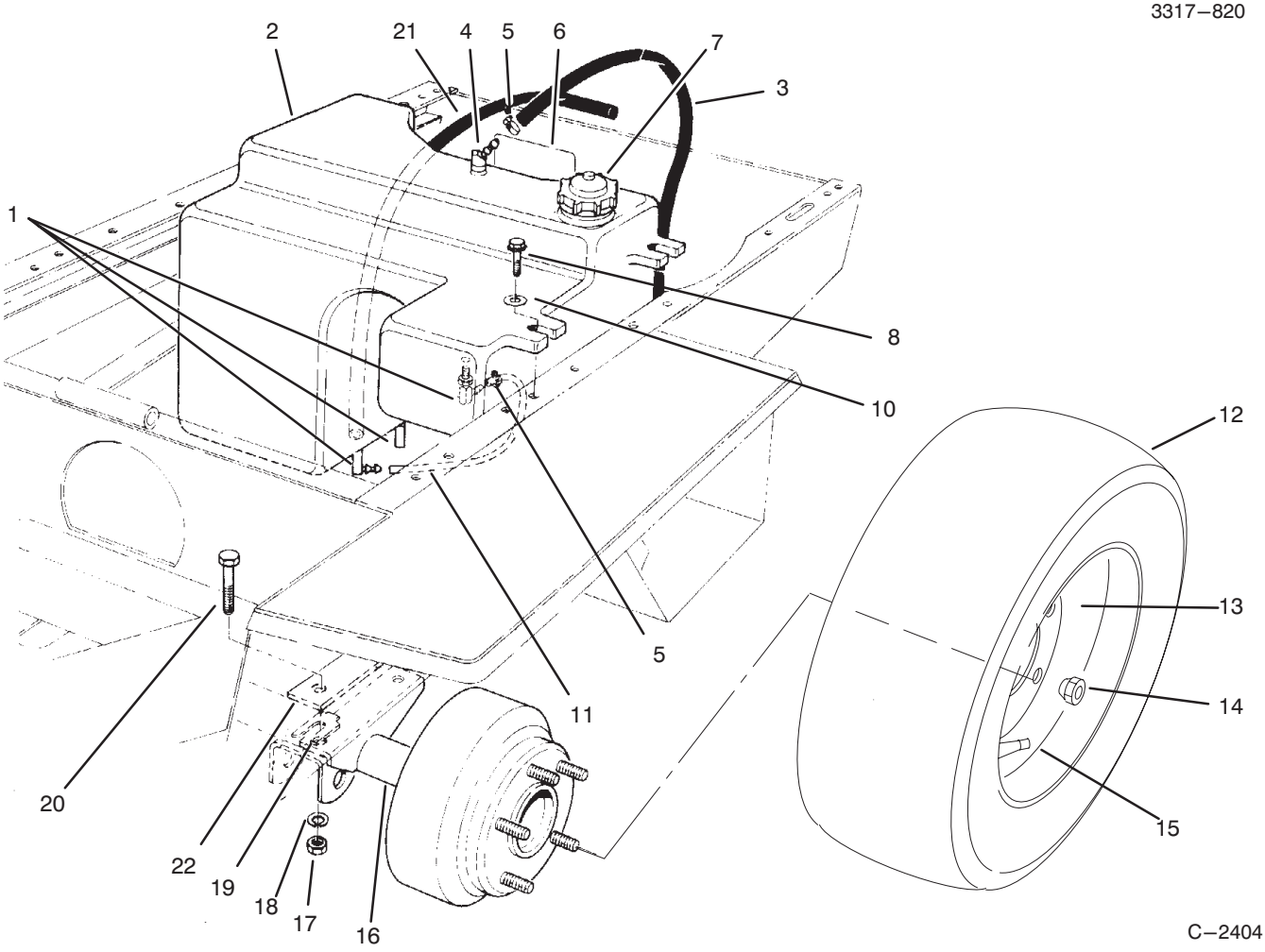
C–2403

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296–15	Nut – Lock	1
2	3–6514	Washer – Thrust	2
3	252–6	Bearing	2
4	3296–44	Nut – Lock	2
5	323–5	Screw – Hex. Hd.	2
6	39–8900	Spindle – R.H.	1
7	44–9090	Axle – Rear (Incl. Ref. #10 & 11)	1
8	3296–49	Nut – Lock	1
9	10–8110	Washer	4
10	3–0348	Bushing	8
11	302–5	Fitting – Grease	4
12	27–4060	Pin – Rear Axle	1
14	3234–13	Screw – Hex. Flange Hd.	1
16	32151–36	Ring – Retaining	3
17	256–121	Bushing	2
18	39–8850	Spindle – L.H.	1
19	253–129	Seal – Oil	2
20	231–104	Tire	2
*	232–39	Tube – Inner (Optional)	2

Ref. No.	Part No.	Description	No. Used
21	217–108	Rim (Incl. Ref. #22)	2
22	254–72	Cup – Bearing	4
23	3272–13	Pin – Cotter	2
24	241–119	Cap – Dust	2
25	32136–5	Nut – Hex. Castle	2
26	3256–28	Washer – Flat	3
27	254–94	Cone – Bearing	4
28	232–35	Valve Stem w/Cap	2
29	44–9120	Steering Plate Assembly (Incl. Ref. #10 & 11)	1
30	3220–3	Nut – Jam	12
33	27–4090	Rod – Tie	2
34	3220–12	Nut – Hex. Jam	3
35	21–0151	Socket Assembly L.H.	3
36	3220–5	Nut – Hex. Jam	3
37	21–0141	Socket Assembly R.H.	3
38	44–9110	Tube – Steering	1
39	27–5230	Arm – Pivot	1
40	27–3640	Pivot Mount Assembly (Incl. Ref. #3 & 11)	1

*Not Illustrated



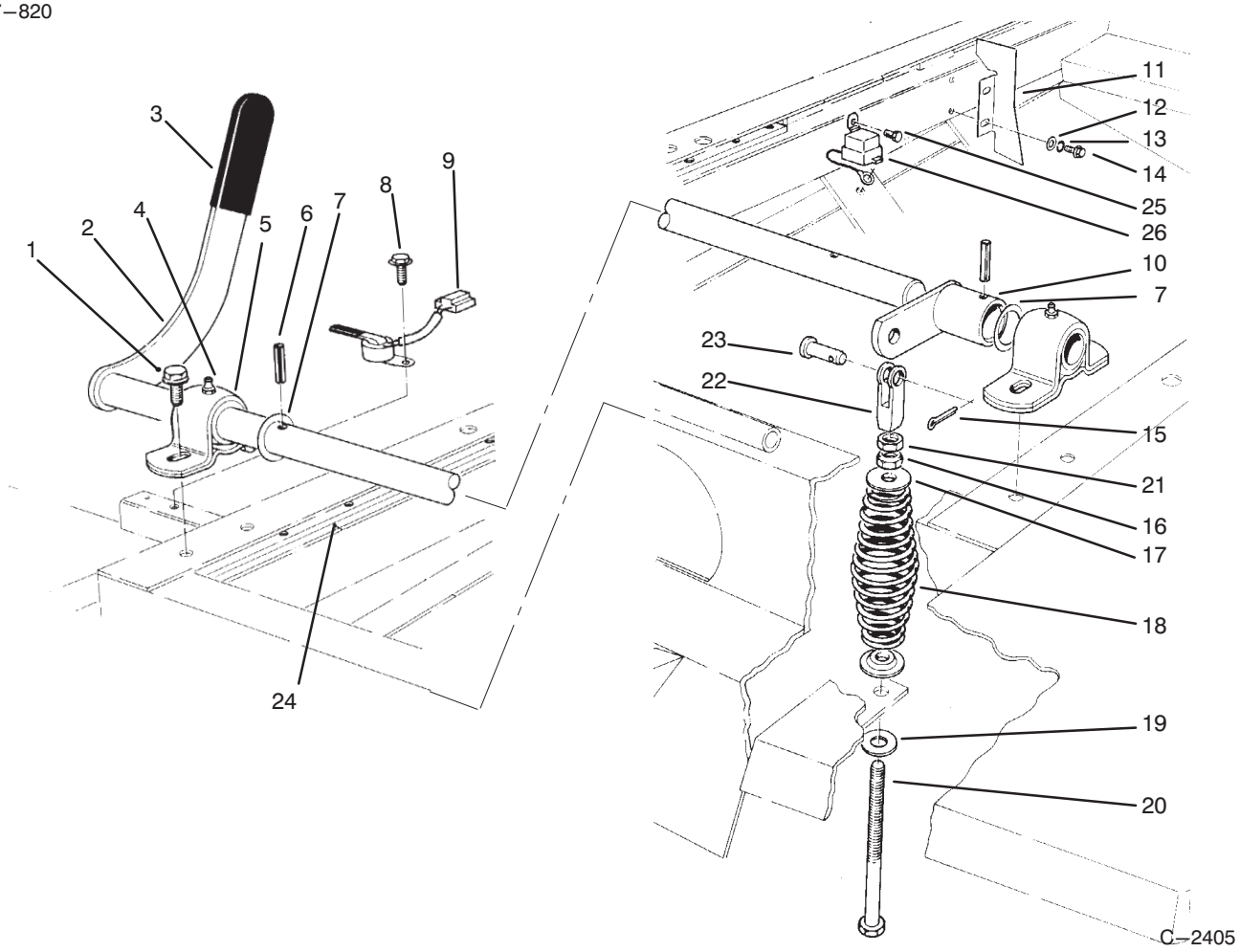
C–2404

FUEL TANK & AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	353–536	Elbow – 90°	3
2	43–5350	Tank – Fuel (Incl. Ref. #1 & 3)	1
3	37–9920	Hose	1
4	353–705	45° Elbow	1
5	2412–108	Clamp – Worm Drive	5
6	43–8480	Decal – Danger	1
7	55–3574	Cap – Fuel	1
8	3234–18	Screw – Hex. Hd.	3
10	3256–41	Washer – Flat	3
11	61–9650	Hose – Fuel	1
12	231–103	Tire	2

Ref. No.	Part No.	Description	No. Used
13	217–107	Rim	2
14	242–35	Nut – Hex.	10
15	232–35	Valve Stem w/Cap	2
16	86–9660	Axle Assembly	1
17	3217–8	Nut – Hex.	4
18	3253–6	Washer – Lock	4
19	42–6080	Shim – Axle	A/R
20	324–9	Screw – Hex. Hd.	4
21	71–3370	Hose – Fuel	1
22	92–6312	Spacer	2
*	232–43	Tube – Inner (Optional)	2

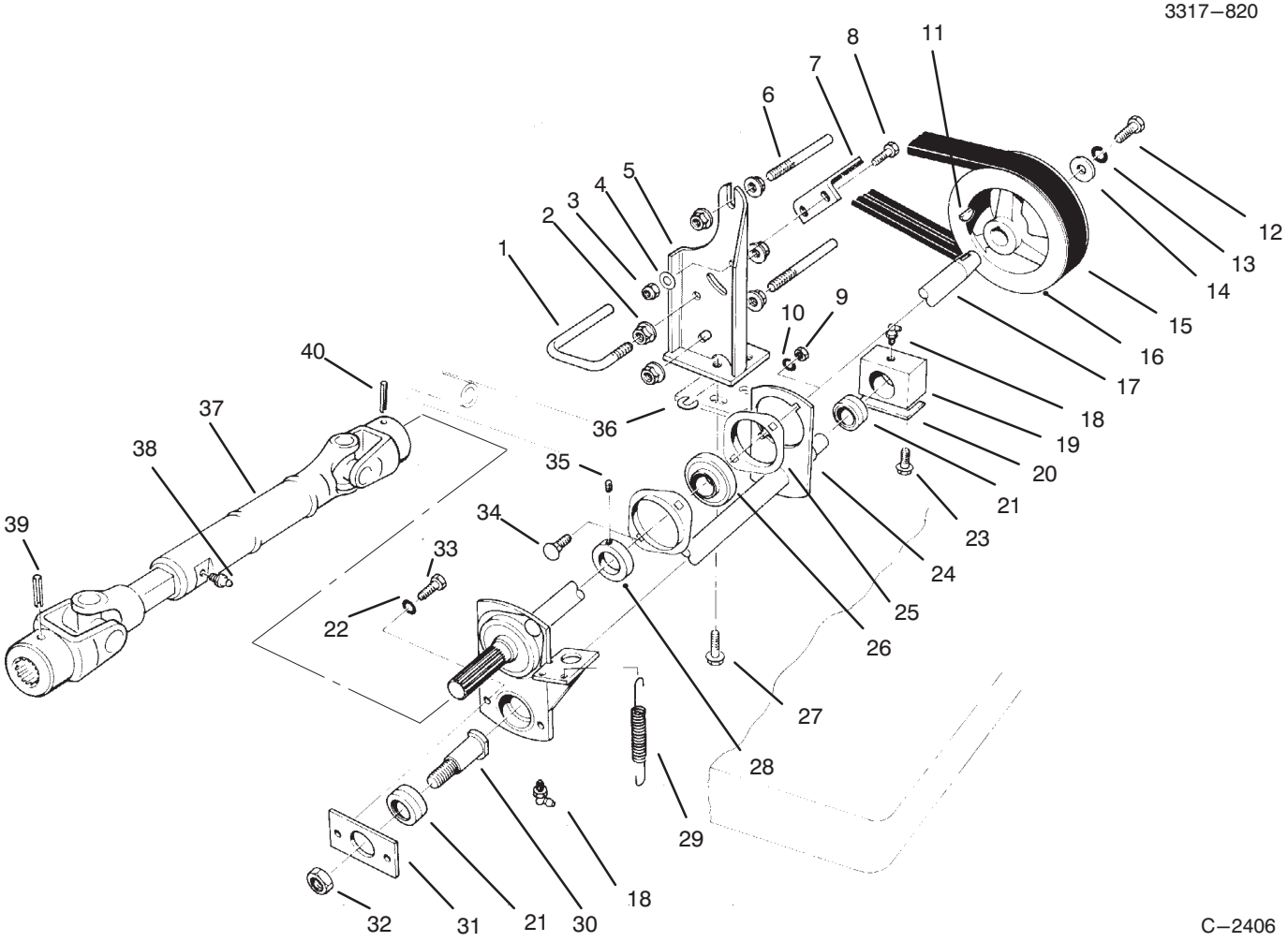
*Not Illustrated



POWER TAKE–OFF LEVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234–4	Screw – Hex. Flange Hd.	4
2	27–4910	Lever – Power Take–Off	1
3	21–1880	Grip – Handle	1
4	302–5	Fitting – Grease	2
5	251–269	Bearing – Pillow Block	2
6	32121–31	Pin – Roll	2
7	3–6514	Washer	2
8	32104–116	Screw – Flange Hex. Hd.	1
9	29–6930	Arm – Switch	1
10	47–4780	Arm – Engagement	1
11	44–8680	Shield – Heat	1
12	3256–23	Washer – Flat	2
13	3253–4	Washer – Lock	2

Ref. No.	Part No.	Description	No. Used
14	32144–11	Screw – Self Tap. Hex. Hd.	2
15	3272–5	Pin – Cotter	1
16	3296–5	Nut – Lock	1
17	44–8890	Retainer – Spring	2
18	44–8820	Spring – Compression	1
19	3256–41	Washer – Flat	1
20	27–7900	Screw – Adjusting	1
21	3220–3	Nut – Hex. Jam	1
22	281–1	Yoke	1
23	283–42	Pin – Clevis	1
24	37–7060	Bar – Frame Rail	2
25	63–7590	Relay	1
26	32104–17	Screw – Flange Hex. Hd.	1

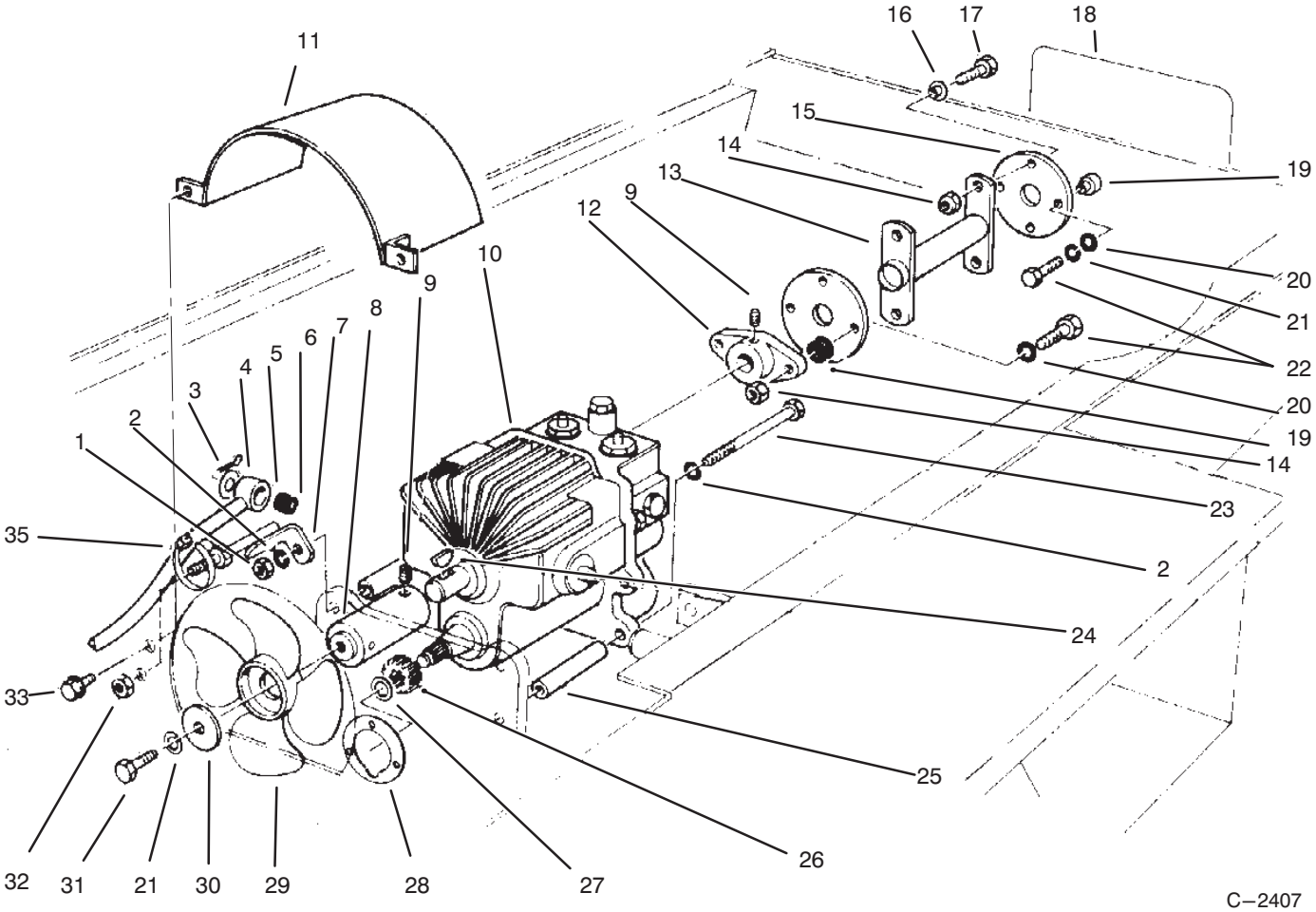


C–2406

POWER TAKE–OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	44–9220	Guide – Belt (Lower)	1
2	3290–357	Nut – Flange Lock	6
3	3296–29	Nut – Lock	2
4	3256–23	Washer – Flat	2
5	44–9310	Bracket – Brake	1
6	44–9230	Guide – Belt	2
7	44–9330	Support Pad Assembly Power Take–Off Brake	1
8	322–4	Screw – Hex. Hd.	2
9	3217–6	Nut – Hex.	4
10	3253–4	Washer – Lock	4
11	3257–5	Key – Woodruff	1
12	323–18	Screw – Hex. Hd.	1
13	3253–21	Washer – Lock	1
14	29–4730	Washer	1
15	44–8990	V–Belt – Torque Team	1
16	43–5320	Pulley – P.T.O.	1
17	27–4980	Shaft – P.T.O.	1
18	302–40	Fitting – Grease	2
19	28–9050	Hub – Bearing	1
20	47–4760	Shim – P.T.O. Block	1

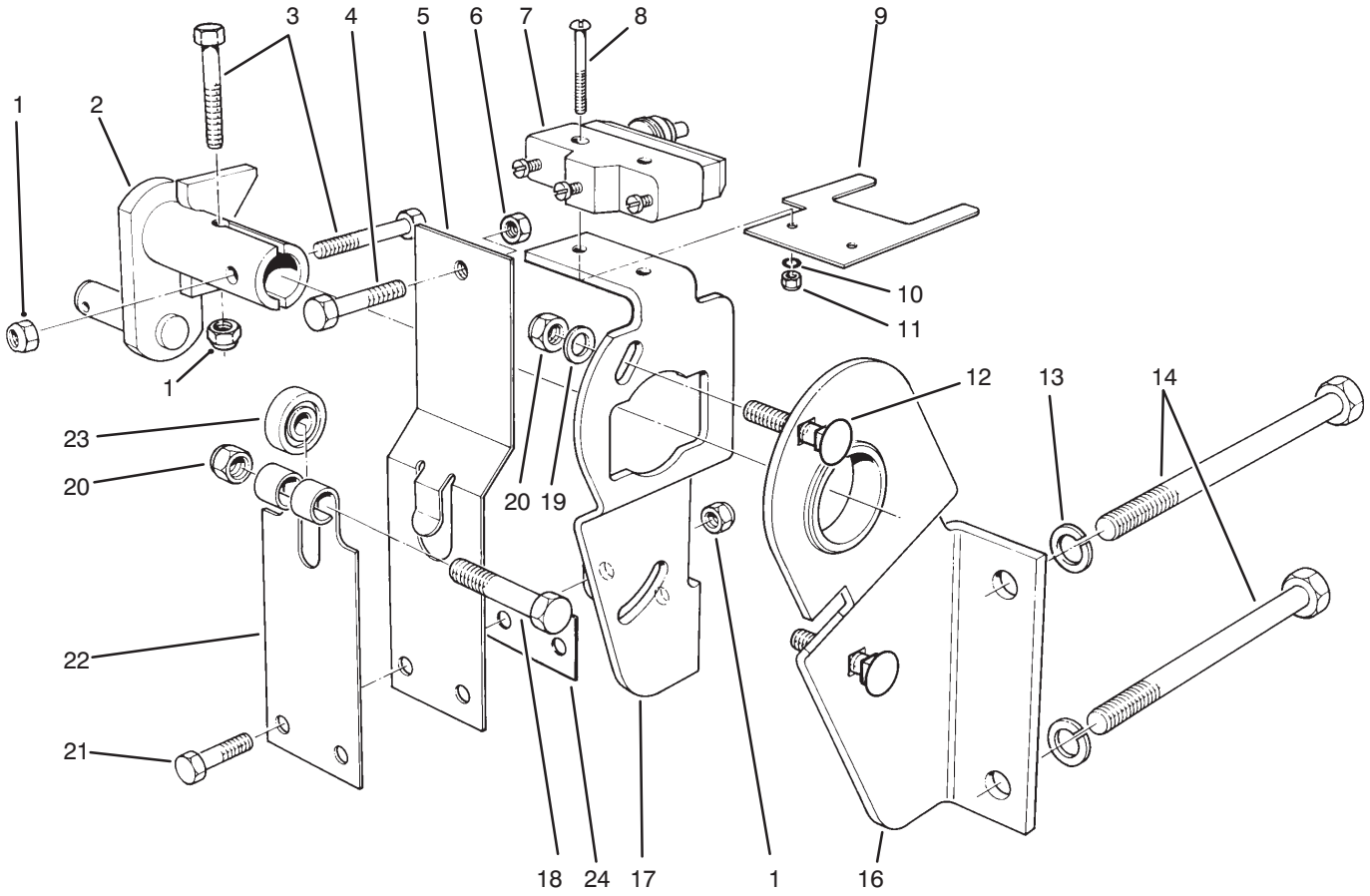
Ref. No.	Part No.	Description	No. Used
21	251–268	Bearing	2
22	3253–3	Washer – Lock	2
23	3234–21	Screw – Hex. Flange Hd.	2
24	44–9350	Arm – Engagement	1
25	251–255	Bearing – Flange	4
26	251–253	Bearing w/Collar (Incl. Ref. #28 & 35)	2
27	3234–11	Screw – Hex. Hd.	3
28	251–77	Collar – Locking	2
29	28–8950	Spring – Extension	2
30	27–6970	Stud – Bearing	1
31	27–6650	Retainer – Bearing	1
32	3296–33	Nut – Lock	1
33	321–3	Screw – Hex. Hd.	2
34	3230–16	Bolt – Carriage	4
35	3245–1	Screw – Set	2
36	28–5640	Washer – Special	A/R
37	27–4520	U/Joint Shaft Assembly	1
38	302–5	Fitting – Grease	1
39	32121–34	Pin – Roll	1
40	32121–119	Pin – Roll	1



TRANSMISSION & DRIVE COUPLING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3217–7	Nut – Hex.	1
2	3253–21	Washer – Lock	3
3	3272–10	Pin – Cotter	1
4	3256–26	Washer – Flat	1
5	27–4160	Tube – Pump Control	1
6	23–2270	Bushing – Rubber	1
7	27–5310	Support – Axle	1
8	27–4340	Assembly – Hub & Plug	1
9	3245–1	Screw – Set	4
10	49–7910	Transmission	1
11	27–3270	Shroud – Fan	1
12	27–4370	Hub – Pump	1
13	44–8720	Shaft – Drive	1
14	32152–5	Nut – Lock	6
15	44–2230	Coupling – Rubber	2
16	27–6600	Spacer – Rubber Coupling	4
17	3210–5	Screw – Hex. Hd.	4

Ref. No.	Part No.	Description	No. Used
19	33–2020	Spacer	4
20	3256–3	Washer – Flat	4
21	3253–4	Washer – Lock	2
22	3210–8	Screw – Hex. Hd.	4
23	323–38	Screw – Hex. Hd.	2
24	3257–5	Key – Woodruff	2
25	27–3680	Spacer – Mounting	4
26	86–7220	Gear – Spur	1
27	32120–72	Ring – Retaining	1
28	27–3690	Gasket – Transmission	1
29	27–3740	Fan	1
30	27–4360	Washer	1
31	322–5	Screw – Hex. Hd.	1
32	3218–5	Nut – Hex. Jam	2
33	3234–13	Screw – Hex. Flange Hd.	2
35	3290–378	Tie – Cable	1

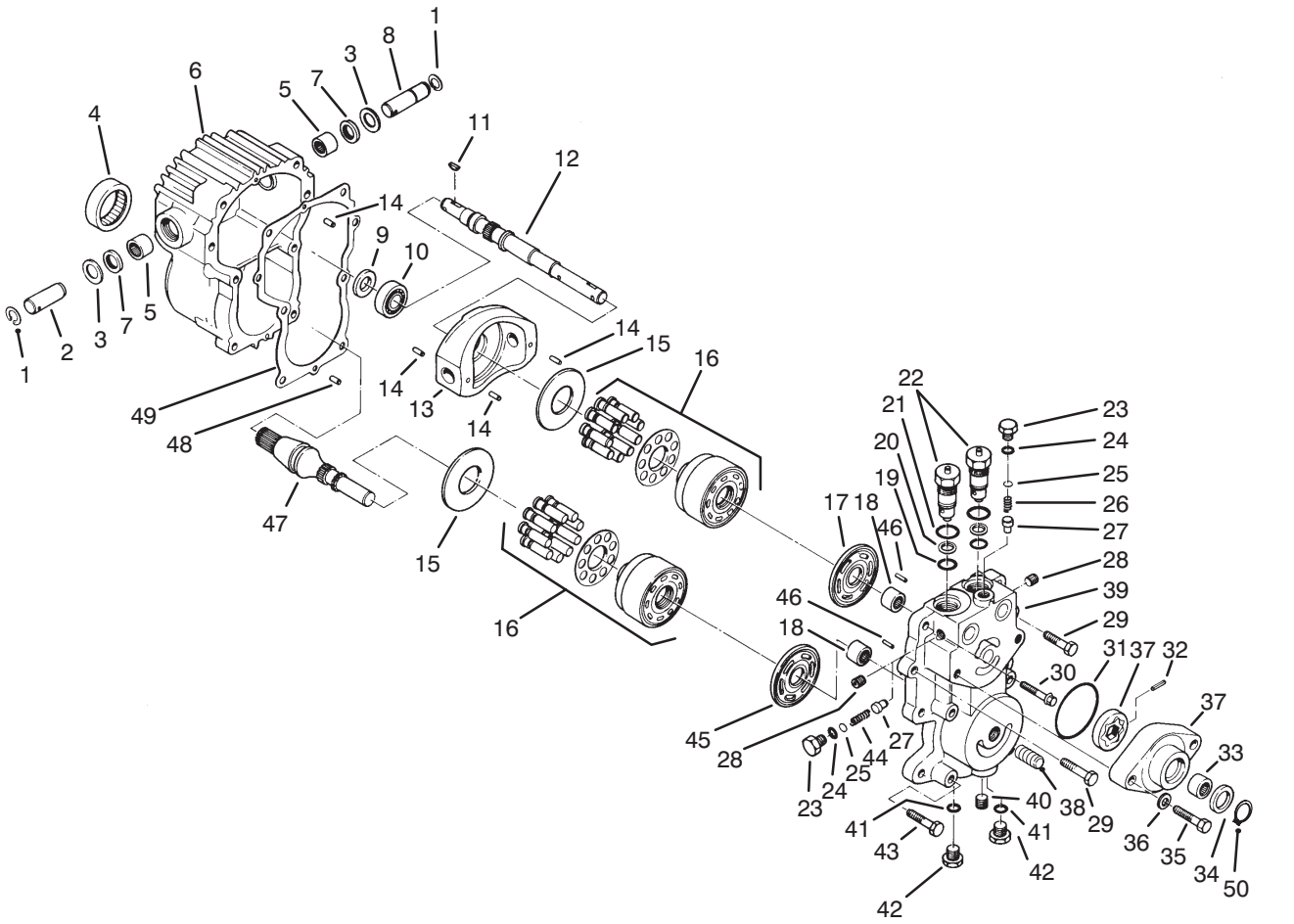


T–0538

TRANSMISSION INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296–42	Nut – Lock	4
2	29–9790	Pump – Lever	1
3	321–9	Screw – Hex. Hd.	2
4	3210–7	Screw – Hex. Hd.	1
5	29–6170	Spring – Extended Leaf	1
6	3219–2	Nut – Hex.	1
7	29–6163	Micro Switch	1
8	3249–11	Screw – Round Hd.	2
9	46–8810	Stop – Leaf Spring	1
10	3254–9	Washer – Int. Tooth	2
11	3217–16	Nut – Hex.	2
12	3230–2	Carriage – Bolt	2

Ref. No.	Part No.	Description	No. Used
13	3253–21	Washer – Lock	2
14	323–39	Screw – Hex. Hd.	2
16	52–8890	Bracket – Mounting	1
17	52–9070	Plate – Pump	1
18	322–17	Screw – Hex. Hd.	1
19	3256–2	Washer – Flat	2
20	3296–29	Nut – Lock	3
21	321–4	Screw – Hex. Hd.	2
22	29–6150	Spring – Leaf	1
23	251–259	Bearing – Ball	1
24	51–3150	Shim	1

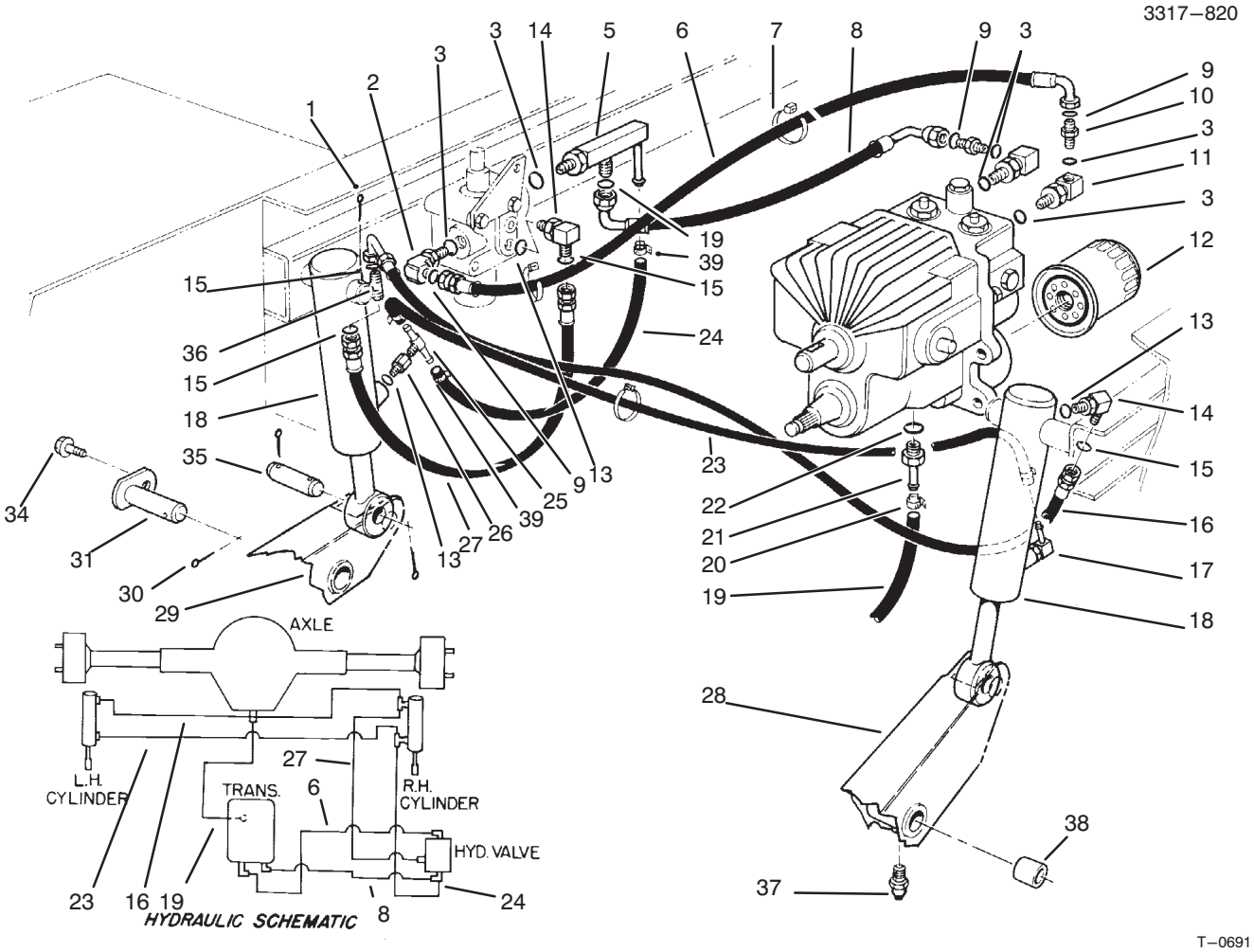


T–0536

TRANSMISSION ASSEMBLY NO. 49–7910

Ref. No.	Part No.	Description	No. Used
1	32151–46	Ring – Retaining	2
2	25–2500	Shaft – Trunion	1
3	25–2510	Washer	2
4	28–3300	Bearing – Roller	1
5	28–3310	Bearing – Needle	2
6	49–7870	Housing	1
7	25–3210	Lip Seal	2
8	28–3670	Shaft – Trunion	1
9	28–3660	Lip Seal	1
10	28–3650	Bearing – Ball	1
11	3257–5	Key – Woodruff	2
12	28–3640	Shaft – Pump	1
13	49–7820	Variable Swashplate	1
14	32121–91	Pin	3
15	25–2380	Plate – Thrust	2
16	48–1800	Kit – Cylinder Block	2
17	46–7320	Plate – Pump Valve	1
18	25–3300	Bearing – Needle	2
19	28–3590	”O”Ring	2
20	28–3580	Ring – Backup	2
21	28–3570	”O”Ring	2
22	49–7830	Assembly – Check Valve (Incl. Ref. #19–21)	2
23	25–2460	Hex Hd. Plug	2
24	28–3400	”O”Ring	2
25	25–2470	Shim Pack	A/R

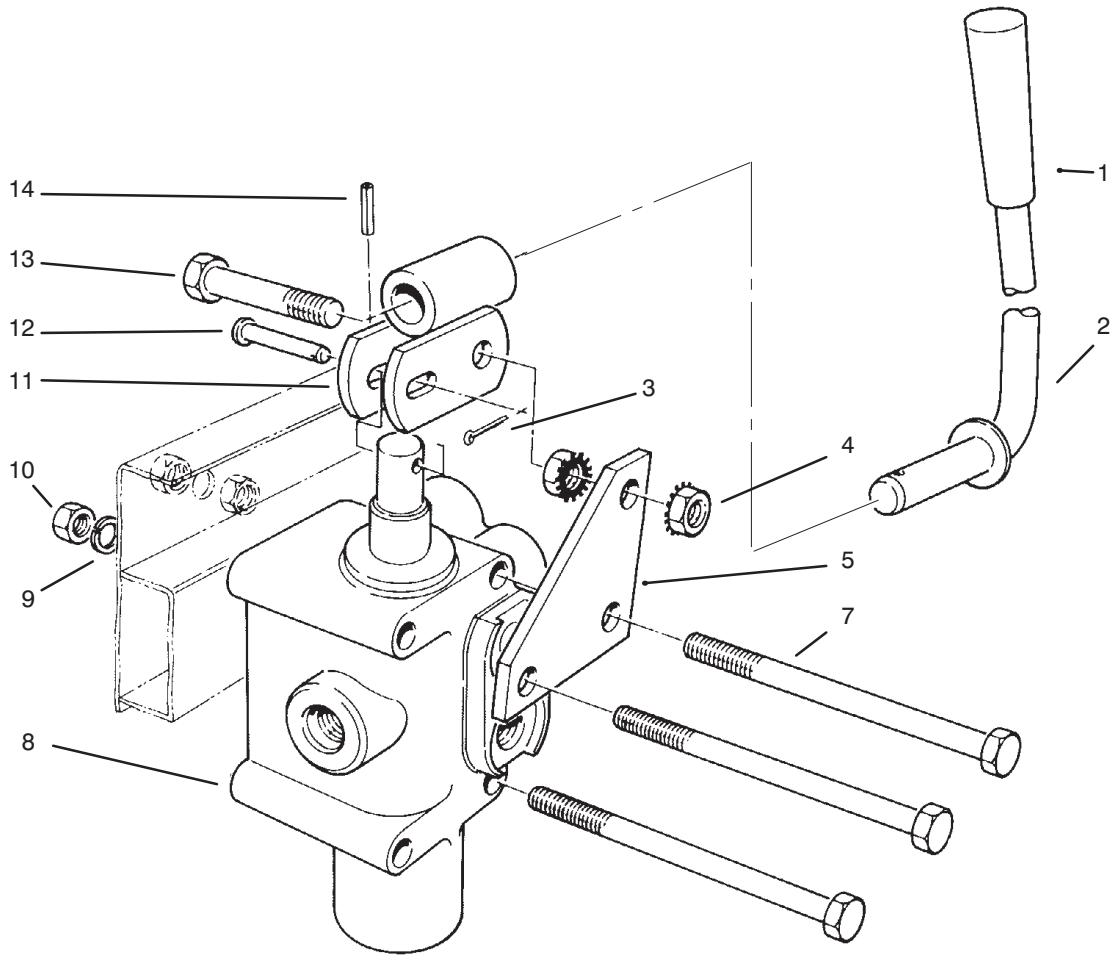
Ref. No.	Part No.	Description	No. Used
26	46–7310	Relief Valve Spring Imp.	1
27	28–3420	Relief Valve Cone Charge	2
28	285–17	Plug – Pipe	4
29	323–8	Screw – Hex. Hd.	2
30	28–3530	Screw – Hex. Hd.	2
31	28–3520	”O”Ring	1
32	38–2680	Pin	1
33	28–3480	Bearing – Needle	1
34	28–3470	Lip Seal	1
35	324–23	Screw – Hex. Hd.	2
36	28–3450	Washer – Flat	2
37	38–2670	Kit – Charge Pump (Incl. Ref. #31–34)	1
38	25–2660	Union – Filter	1
39	49–7850	Center Section	1
40	46–7280	Plug – Pipe	1
41		”O”Ring	2
42	28–3440	Threaded Plug (Incl. Ref. #41)	2
43	323–10	Screw – Hex. Hd.	4
44	25–2480	Relief Valve Spring Charge	1
45	28–3380	Plate – Motor Valve	1
46	25–2430	Pin	2
47	49–8200	Shaft – Motor	1
48	28–3350	Pin	2
49	28–3340	Gasket	1



HYDRAULIC VALVE & LIFT ARM CYLINDERS

Ref. No.	Part No.	Description	No. Used
1	3272–23	Pin – Cotter	6
2	340–77	90° Elbow	1
3	237–42	"O"Ring	6
5	71–0590	Assembly – Fitting	1
6	71–0670	Hose – Trans. to Valve	1
7	3290–378	Tie – Cable	3
8	66–8190	Hose	1
9	237–22	"O"Ring	4
10	82–8530	Fitting – Straight	2
11	66–3110	Fitting	2
12	23–2300	Filter – Oil	1
13	237–78	"O"Ring	3
14	71–3270	90° Elbow	2
15	237–150	"O"Ring	4
16	71–0680	Hose	1
17	304–99	90° Barb Hose Stem	1
18	68–9700	Assembly – Hyd. Cylinder	2
19	66–8130	Hose	1
20	2412–36	Clamp – Worm Drive	4

Ref. No.	Part No.	Description	No. Used
21	354–24	Fitting (Incl. Ref. #22)	1
22	237–80	"O"Ring	1
23	27–4480	Hose – Pressure, Low	1
24	71–3770	Hose – Pressure, Low	1
25	353–567	Fitting – Tee, Male	1
26	353–565	Fitting – Connector	1
27	71–0690	Hose – Cyl. Tee to Valve	1
28	76–3090	Arm – Lift, L.H.	1
29	76–3080	Arm – Lift, R.H.	1
30	3272–17	Pin – Cotter	2
31	27–4310	Pin – Pivot	2
34	3232–13	Screw – Hex. Flange Hd.	2
35	27–4240	Pin – Cylinder	2
36	340–125	Fitting – Tee, Adjustment	1
37	302–62	Fitting – Grease	2
38	256–101	Bushing	4
39	2412–108	Clamp	4

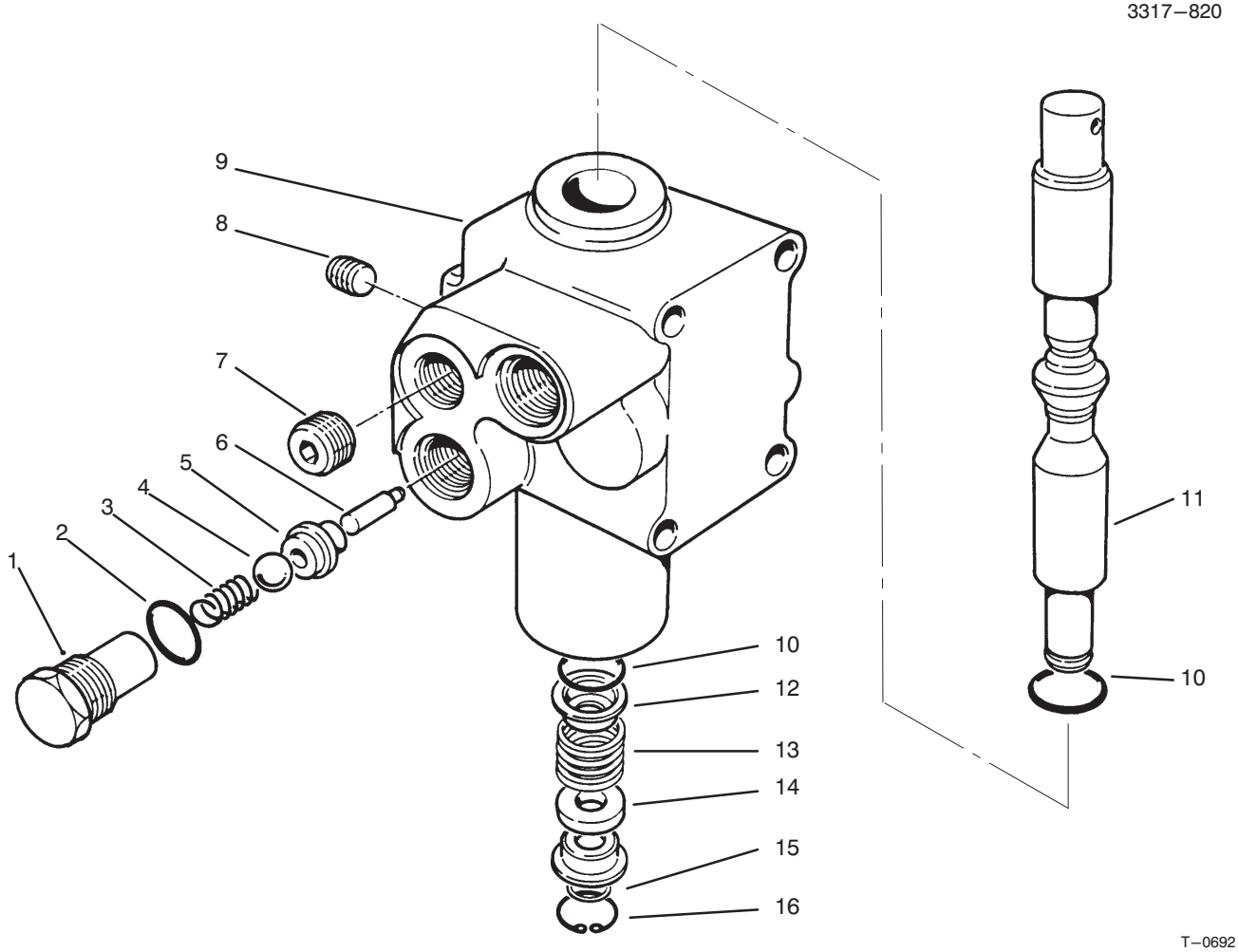


T–0704

VALVE & LEVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233–39	Knob	1
2	27–4200	Lever – Valve	1
3	3272–6	Pin – Cotter	1
4	32149–2	Nut – Lock	2
5	27–4230	Bracket – Valve	1
7	321–24	Screw – Hex. Hd.	3
8	43–1700	Valve – Hydraulic	1

Ref. No.	Part No.	Description	No. Used
9	3253–3	Washer – Lock	2
10	32128–33	Nut – Hex. Flange Hd.	4
11	27–4220	Link – Lever, Valve	1
12	283–17	Pin – Clevis	1
13	321–10	Screw – Hex. Hd.	1
14	32121–73	Pin – Roll	1

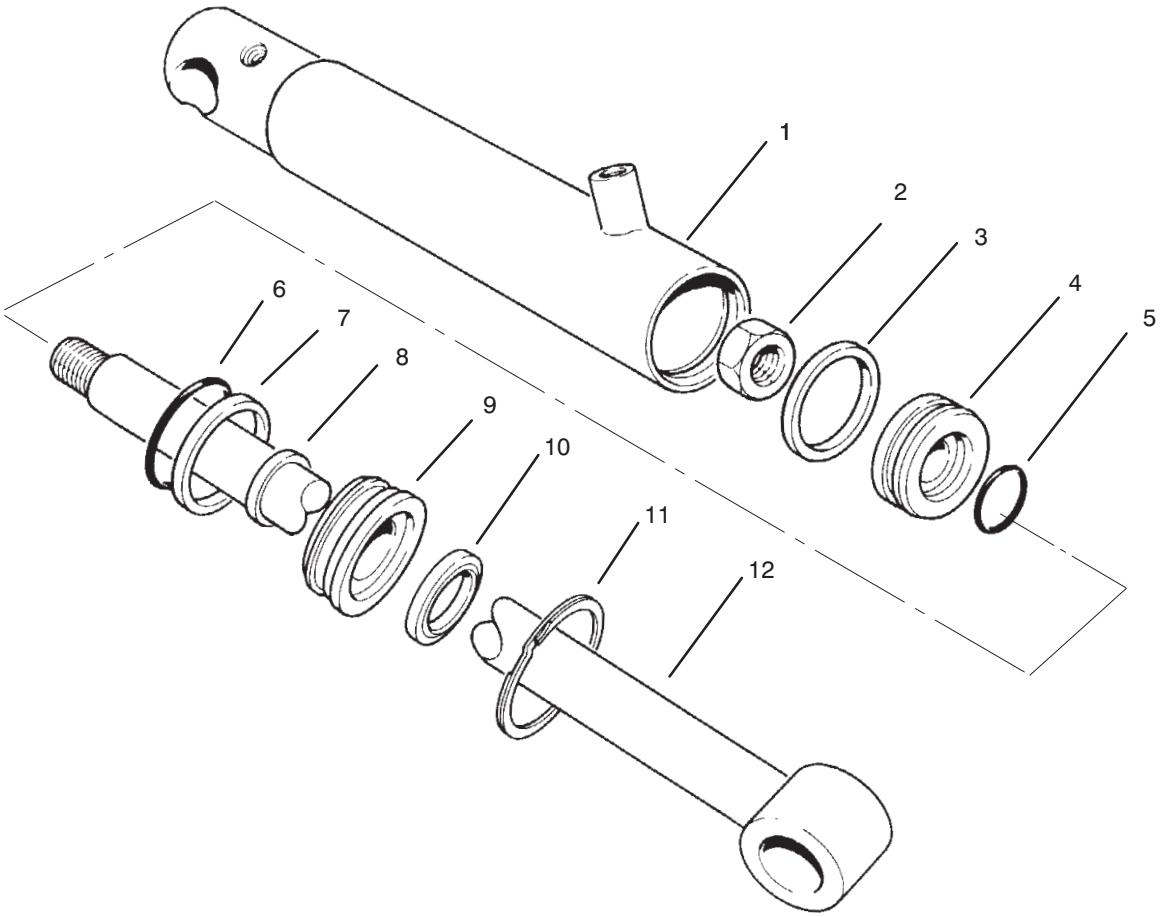


T–0692

VALVE ASSEMBLY NO. 43–1700

Ref. No.	Part No.	Description	No. Used
1	22–8330	Plug	1
2	237–42	”O”Ring	1
3	22–8340	Spring	1
4	22–8350	Ball	1
5	22–8370	Seat – Check Valve	1
6	22–8360	Pin – Cam	1
7	28–1130	Plug	1
8	28–1120	Plug	1

Ref. No.	Part No.	Description	No. Used
9		Body	1
10	22–8500	”O”Ring	2
11	27–5210	Spool	1
12	22–8380	Retainer – Spring	2
13	22–8410	Spring	1
14	27–5200	Spacer – Float	1
15	22–8480	Snap Ring – Spool	1
16	22–8490	Ring – Retaining	1



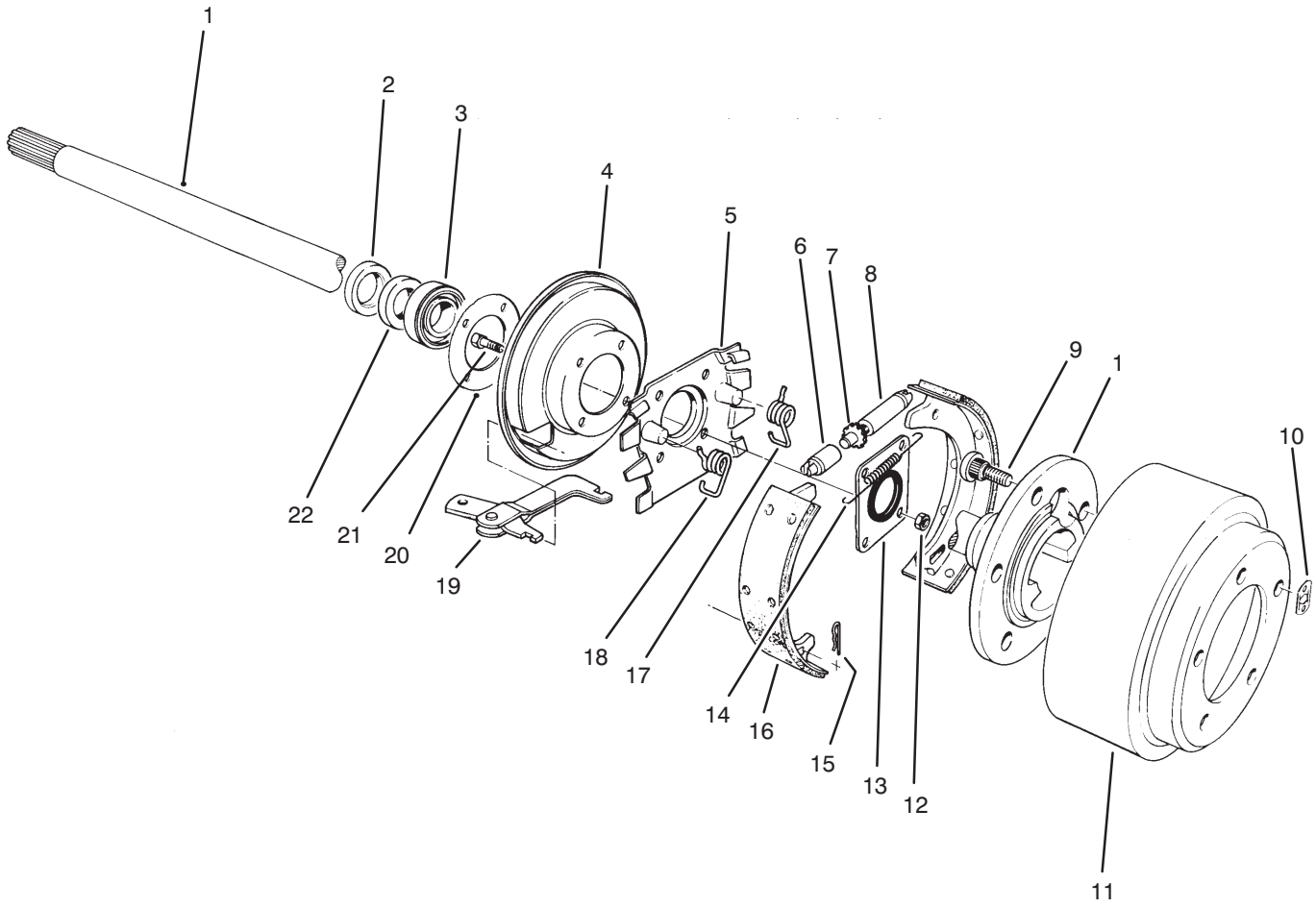
T–0689

HYDRAULIC CYLINDER NO. 68–9700

Ref. No.	Part No.	Description	No. Used
1		Assembly – Tube	1
2	32152–10	Nut – Jam	1
3		Uniring	3
4	70–2780	Piston	1
5		”O”Ring	1
6		”O”Ring, Head	2
7		Backup	1

Ref. No.	Part No.	Description	No. Used
8		Poly–Pack	1
9	70–2770	Head	1
10		Seal – Dust	1
11	43–5220	Ring – Retaining	1
12	43–5230	Shaft w/Clevis	1
*	70–2790	Kit – Seal Repair (Incl. Ref. #3, 5–8 & 10)	1

*Not Illustrated



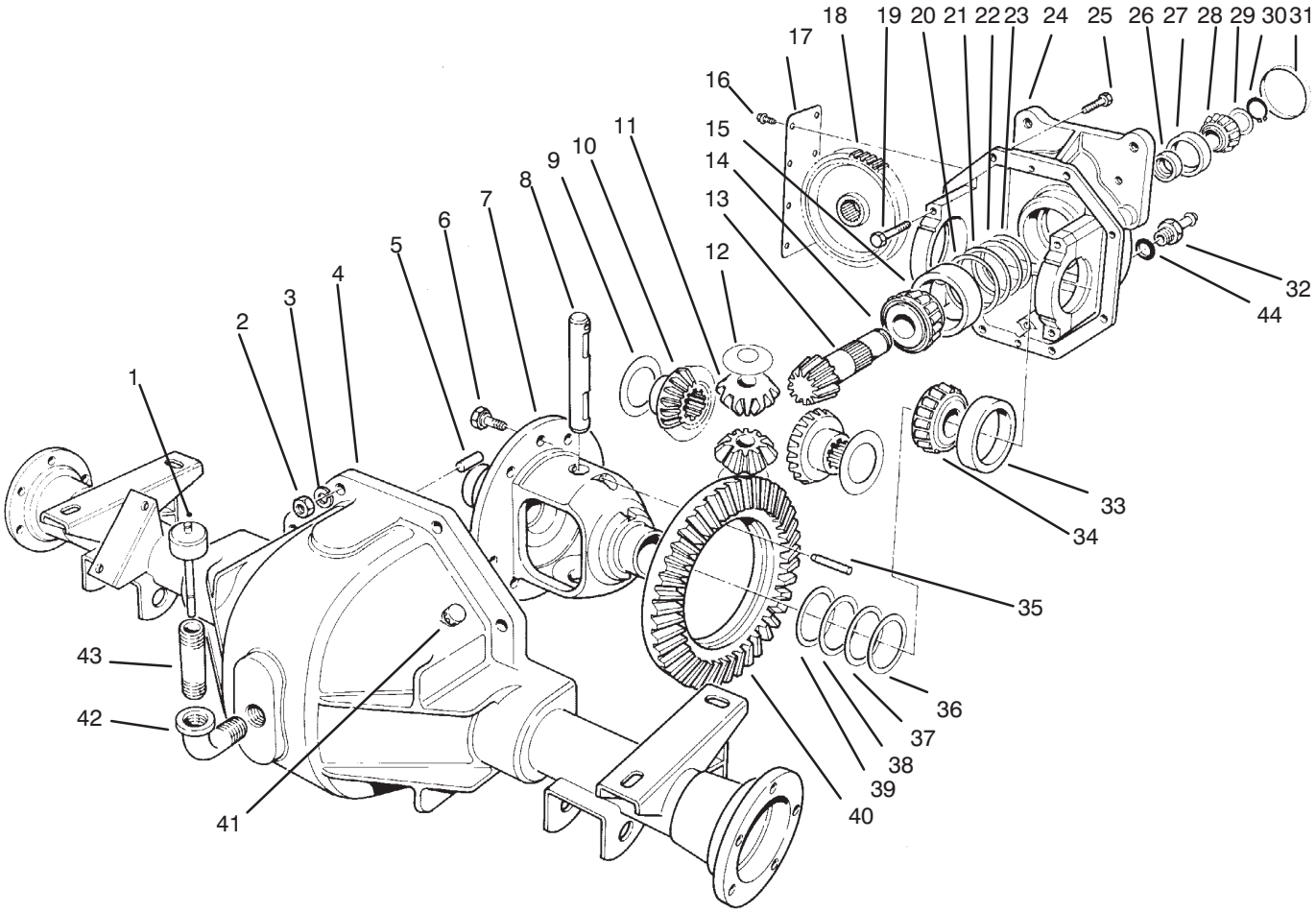
T–0535

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–6860	Shaft – Axle L.H.	1
*	27–6850	Shaft – Axle R.H.	1
2	21–8330	Oil Seal	2
3	21–8180	Bearing – Tapered Roller	2
4	21–9450	Dust Shield	2
5	40–2190	Torque Spider	2
6	21–9390	Socket – Adjusting Screw	2
7	21–9370	Adjusting Screw	2
8	21–9380	Nut – Pivot	2
9	242–34	Stud – Axle Flange	10
10	21–8360	Clip – Retaining	2
11	28–0680	Brake Drum	2

Ref. No.	Part No.	Description	No. Used
12	43–6800	Nut – Lock, Flange Hd.	8
13	28–0670	Oil Seal	2
14	21–9440	Screw – Spring Adjusting	2
15	21–9460	Retainer – Parking Brake	4
16	43–2690	Assy. – Shoe & Lining	4
17	21–9420	Spring – Shoe Return L.H.	2
18	21–9430	Spring – Shoe Return R.H.	2
19	27–6880	Strut/Lever – Parking Brake	2
20	21–8320	Gasket – Wheel Bearing	2
21	28–0660	Screw – Hex. Hd.	8
22	24–8840	Ring – Wheel Bearing	2
*	84–8600	Set – Brake Shoe (4 Shoes)	1

*Not Illustrated



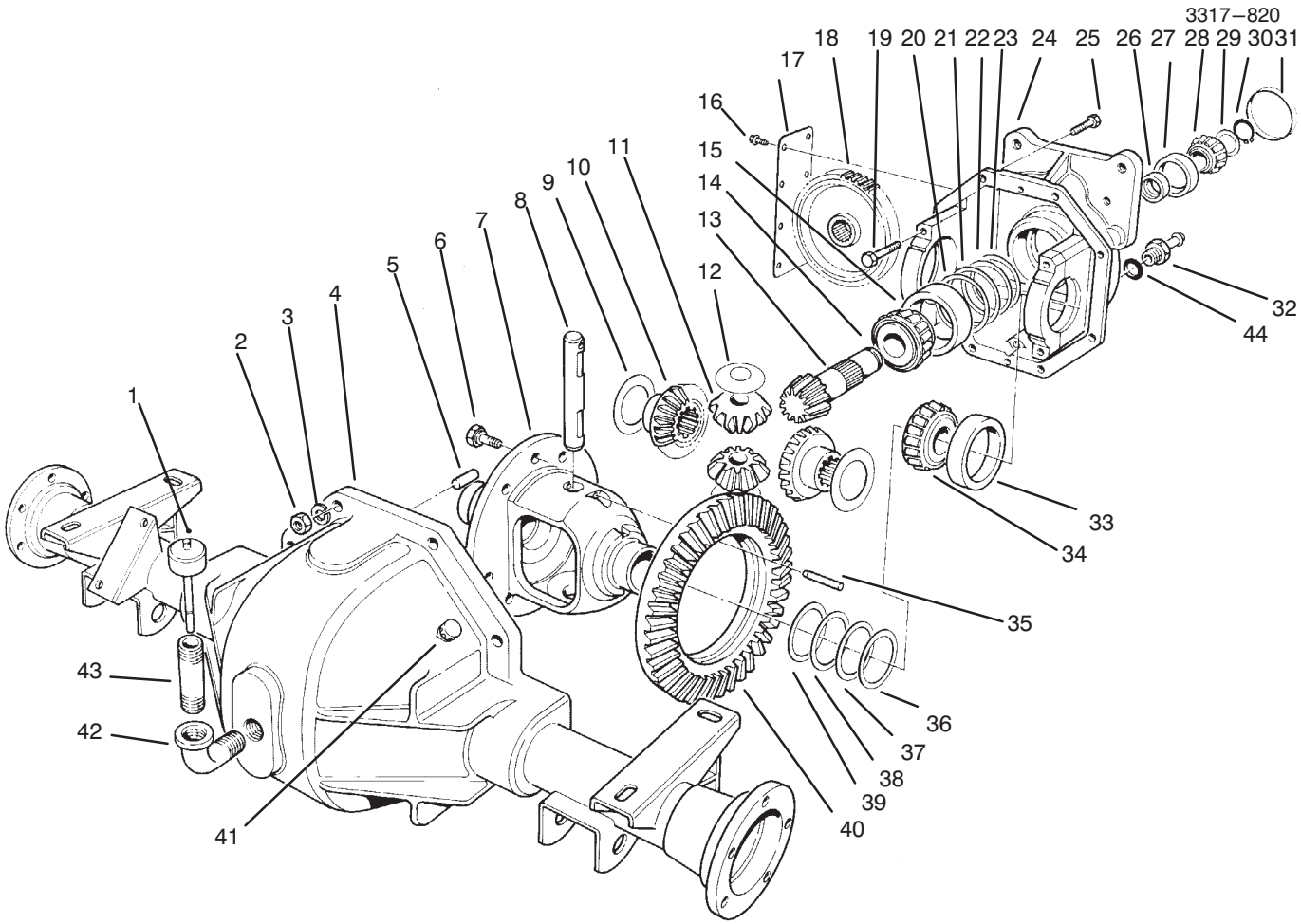
T–0690

DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–3710	Dipstick	1
2	3219–2	Nut	8
3	3255–8	Washer – Lock	8
4	43–6850	Assembly – Lower Housing	1
5	21–8270	Pin – Dowel	2
6	21–7770	Screw – Drive Gear	5
7	21–7670	Case – Differential	1
8	21–7700	Shaft – Pinion Mate	1
9	21–7720	Washer – Thrust	2
10	24–8790	Gear – Bevel Diff. Side	2
11	21–7690	Gear – Pinion	2
12	21–7730	Washer – Thrust	2
13		Pinion – Drive (Incl. Ref. #40)	1
14	43–6760	Cone – Bearing	1
15	43–6750	Cup – Bearing	1
16	12–5450	Screw – Thread Forming	8
17	21–7830	Cover – Gear	1
18	86–7230	Gear – Spur	1
19	324–23	Screw – Hex. Hd.	4
20	43–6710	Shim – Adjusting .003	A/R
21	43–6711	Shim – Adjusting .005	A/R
22	43–6712	Shim – Adjusting .010	A/R
23	43–6713	Shim – Adjusting .030	A/R
24	86–7930	Upper Housing Assembly (Incl. Ref. #19)	1

Ref. No.	Part No.	Description	No. Used
25	3210–7	Screw – Hex. Hd.	8
26	21–8020	Spacer – Bearing Frt. Pinion	1
27	254–90	Cup – Bearing	1
28	254–91	Cone – Bearing	1
29	46–2210	Shim – Front Pinion Bearing (.031)	A/R
*	46–2211	Shim – Front Pinion Bearing (.033)	A/R
*	46–2212	Shim – Front Pinion Bearing (.035)	A/R
*	46–2213	Shim – Front Pinion Bearing (.037)	A/R
*	46–2214	Shim – Front Pinion Bearing (.039)	A/R
*	46–2215	Shim – Front Pinion Bearing (.041)	A/R
*	46–2216	Shim – Front Pinion Bearing (.043)	A/R
*	46–2220	Shim – Front Pinion Bearing (.045)	A/R
*	46–2221	Shim – Front Pinion Bearing (.047)	A/R
*	46–2222	Shim – Front Pinion Bearing (.049)	A/R
*	46–2223	Shim – Front Pinion Bearing (.051)	A/R

*Not Illustrated



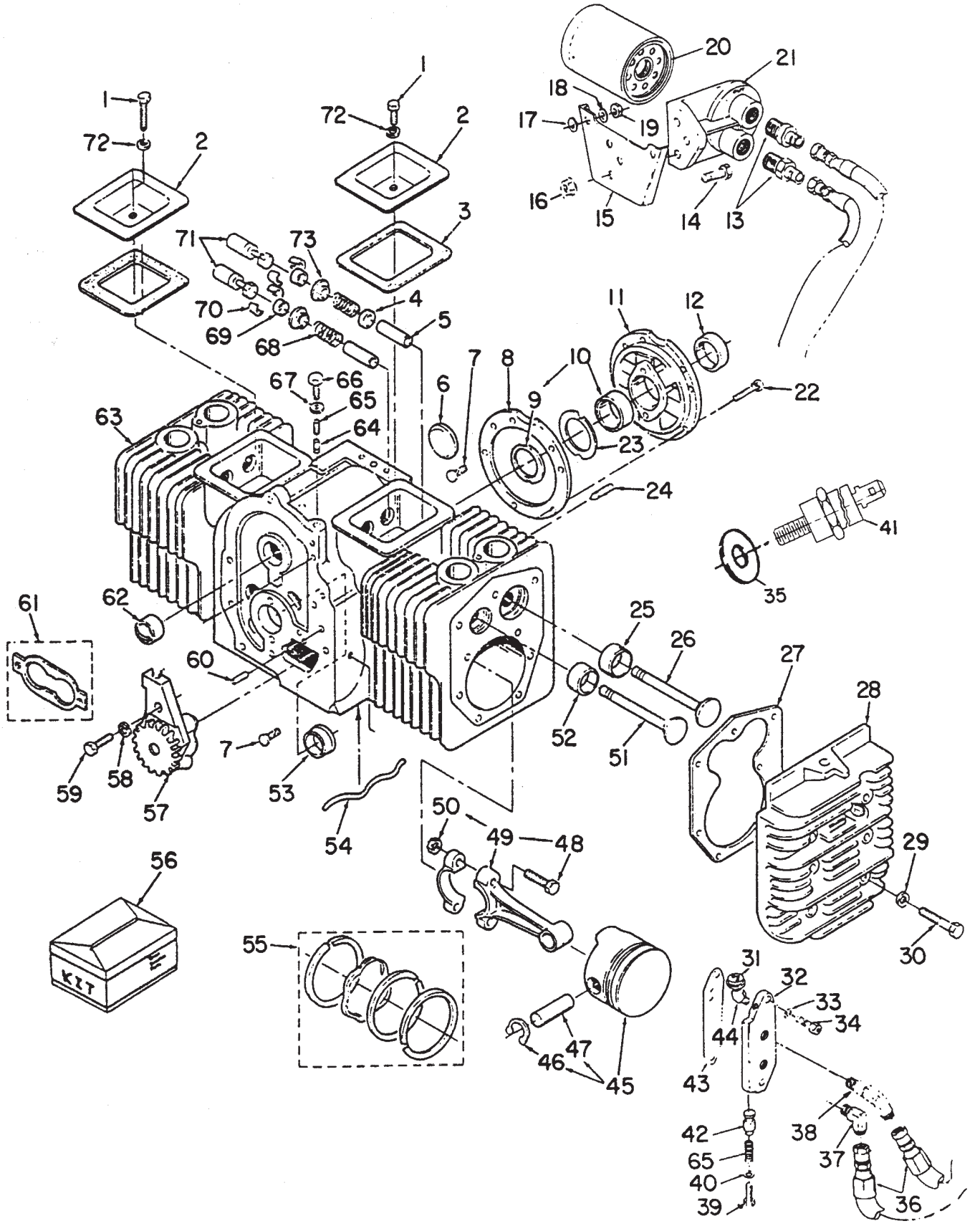
T–0690

DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
29	46–2224	Shim – Front Pinion Bearing (.053)	A/R
*	46–2225	Shim – Front Pinion Bearing (.055)	A/R
*	46–2226	Shim – Front Pinion Bearing (.057)	A/R
*	46–2410	Shim – Front Pinion Bearing (.062)	A/R
*	46–2411	Shim – Front Pinion Bearing (.064)	A/R
*	46–2412	Shim – Front Pinion Bearing (.066)	A/R
*	46–2413	Shim – Front Pinion Bearing (.068)	A/R
*	46–2414	Shim – Front Pinion Bearing (.070)	A/R
*	46–2415	Shim – Front Pinion Bearing (.072)	A/R
*	46–2416	Shim – Front Pinion Bearing (.074)	A/R
*	46–2420	Shim – Front Pinion Bearing (.076)	A/R
*	46–2421	Shim – Front Pinion Bearing (.078)	A/R
*	46–2422	Shim – Front Pinion Bearing (.080)	A/R
29	46–2423	Shim – Front Pinion Bearing (.082)	A/R
*	46–2424	Shim – Front Pinion Bearing (.084)	A/R
*	46–2425	Shim – Front Pinion Bearing (.086)	A/R
*	46–2426	Shim – Front PInion Bearing (.088)	A/R
30	43–6550	Ring – Retaining	1
31	21–7850	Plug – Cap	1
32	354–18	Fitting – Hose Barb (Incl. Ref. #44)	1
33	254–66	Cup – Bearing Tapered	2
34	254–65	Cone – Bearing Tapered	2
35	32121–15	Pin – Roll	1
36	21–8090	Shim – Diff. Adjust. .003”	A/R
37	21–8100	Shim – Diff. Adjust. .005”	A/R
38	21–8110	Shim – Diff. Adjust. .010”	A/R
39	21–8120	Shim – Diff. Adjust. .030”	A/R
40		Gear – Ring	1
41	72–9420	Vent Tube Assembly	1
42	2811–9	Street Elbow 90°	1
43	289–38	Nipple – Pipe	1
44	237–81	Seal – ”O”Ring	1
*	43–6510	Gear & Pinion Assembly (Incl. Ref. #13 & 40)	1

*Not Illustrated

CYLINDER BLOCK ASSY. ONAN P220G TYPE I/10808G

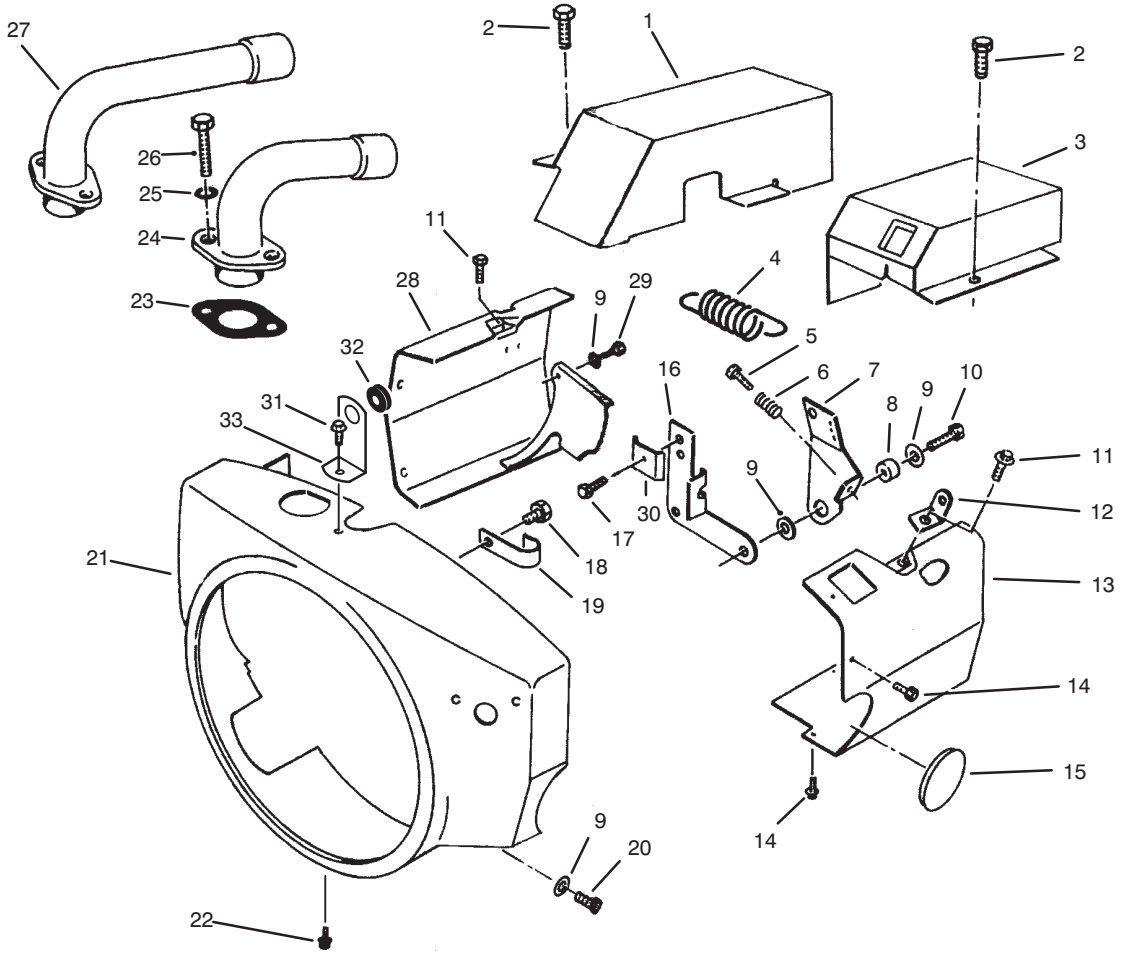


CYLINDER BLOCK ASSY. ONAN P220G TYPE I/10808G

Ref. No.	Part No.	Description	No. Used
1	321–10	Screw – Hex. Hd.	2
2	71–5850	Cover – Valve	2
3	57–8280	Gasket – Valve Cover	2
4	71–6180	Seal – Intake Valve	2
5	71–6250	Guide – Exhaust Valve	2
5	71–6260	Guide – Intake Valve	2
6	57–9690	Plug – Welch	1
7	59–0730	Pin – Drive	4
8	57–8010	Gasket	1
9	57–8160	Washer – Thrust	2
10	57–8050	Bearing – Std. Crankshaft (Incl. Ref. #9)	1
*	59–0020	Bearing – Crankshaft .002" undersize (Incl. Ref. #9)	1
*	57–8060	Bearing – Crankshaft .010" undersize (Incl. Ref. #9)	1
*	59–0030	Bearing – Crankshaft .020" undersize (Incl. Ref. #9)	1
*	59–0040	Bearing – Crankshaft .030" undersize (Incl. Ref. #9)	1
11	57–8040	Plate – Bearing	1
12	57–9590	Seal – Oil	1
13	59–0660	Hose – Oil	2
14	322–4	Screw – Hex. Hd.	3
15	59–0300	Bracket	1
16	59–1130	Nut	3
17	59–0840	Washer – Flat	2
18	59–0860	Washer – Flat	2
19	3217–4	Nut – Hex.	2
20	57–8530	Filter – Oil	1
21	57–8540	Base – Filter	1
22	71–6240	Screw – Flange	5
23	57–8170	Shim	A/R
24	3247–4	Screw – Socket Hd. Set	2
25	59–0050	Insert – Valve Seat Std.	2
*	59–0080	Insert – Valve Seat .010" OS	2
26	71–5770	Valve – Intake	2
27	57–8830	Gasket	2
28	71–5820	Head – Cylinder R.H.	1
29	57–9770	Washer – Flat	18
30	71–6270	Screw – Hex. Hd.	18
31	57–9490	Switch – Low Oil Pressure	1
32	57–8510	Adapter – Oil Filter	1
33	57–9750	Washer – Flat	2
34	3274–18	Screw – Cap Soc. Hd.	2
35	3256–1	Washer – Flat	1
36	57–9220	Hose – Oil	2
37	59–0670	Elbow – Male (from Filter)	1
38	59–0680	Elbow – Male (to Filter)	1
39	3211–27	Screw – Hex. Hd.	1
40	57–9760	Washer – Flat	1
41	72–3960	Switch – Temp. Cut–Off	1
42	57–8470	Valve – By–pass Plunger	1
43	82–0520	Gasket	1
44	59–0640	Elbow – Street 45°	1
45	82–1800	Piston – Std. (Incl. Ref. #46 & 47)	2

Ref. No.	Part No.	Description	No. Used
45	82–1810	Piston – .010" OS (Incl. Ref. #46 & 47)	2
*	82–1820	Piston – .020" OS (Incl. Ref. #46 & 47)	2
*	82–1830	Piston – .030" OS (Incl. Ref. #46 & 47)	2
46	57–9720	Ring – Retaining	4
47	71–6310	Pin – Piston	4
48	57–8410	Bolt – Special	4
49	57–8420	Rod – Connecting Std. (Incl. Ref. #48 & 50)	2
*	57–8430	Rod – Conn. .010 undersize (Incl. Ref. #48 & 50)	2
*	57–8440	Rod – Conn. .020 undersize (Incl. Ref. #48 & 50)	2
*	59–0250	Rod – Conn. .030 undersize (Incl. Ref. #48 & 50)	2
50	57–9790	Nut – Lock Hex. Crown	4
51	71–5780	Valve – Exhaust	2
52	59–0100	Insert – Exhaust Valve Seat	2
53	57–8020	Bearing – Flange Std.	1
*	57–9360	Bearing – Flange .002" undersize	1
*	57–8030	Bearing – Flange .010" undersize	1
*	57–9800	Bearing – Flange .020" undersize	1
*	59–0010	Bearing – Flange .030" undersize	1
54	59–0290	Tube – Oil	1
55	82–1840	Ring Set – Piston Std.	2
*	82–1850	Ring Set – Piston .010" oversize	2
*	82–1860	Ring Set – Piston .020" oversize	2
*	82–1870	Ring Set – Piston .030" oversize	2
56	71–6290	Kit – Gasket Comp. Engine	1
57	57–8480	Pump – Oil	1
58	3253–3	Washer – Lock	2
59	321–6	Screw – Hex. Hd.	2
60	59–0750	Pin – Alignment	2
61	57–8460	Kit – Gasket, Oil Pump	1
62	57–8000	Bearing – Camshaft	2
63	82–1880	Block – Short	1
64	57–8470	Plunger – Bypass Valve	1
65	57–8500	Spring – Bypass Valve	2
66	59–0910	Screw – Hex. Hd.	1
67	57–9760	Washer – Flat	1
68	71–5790	Spring – Valve	4
69	71–5830	Cap – Valve	4
70	71–5840	Lock – Valve Spring	8
71	57–8450	Tappet – Valve Std.	4
*	59–0260	Tappet – Valve .002" OS	4
*	59–0270	Tappet – Valve .005" OS	4
72	57–9740	Washer – Flat	2
73	71–5800	Washer – Valve Spring Ret.	4
*	71–6300	Kit – Valve Grinding	1

*Not Illustrated

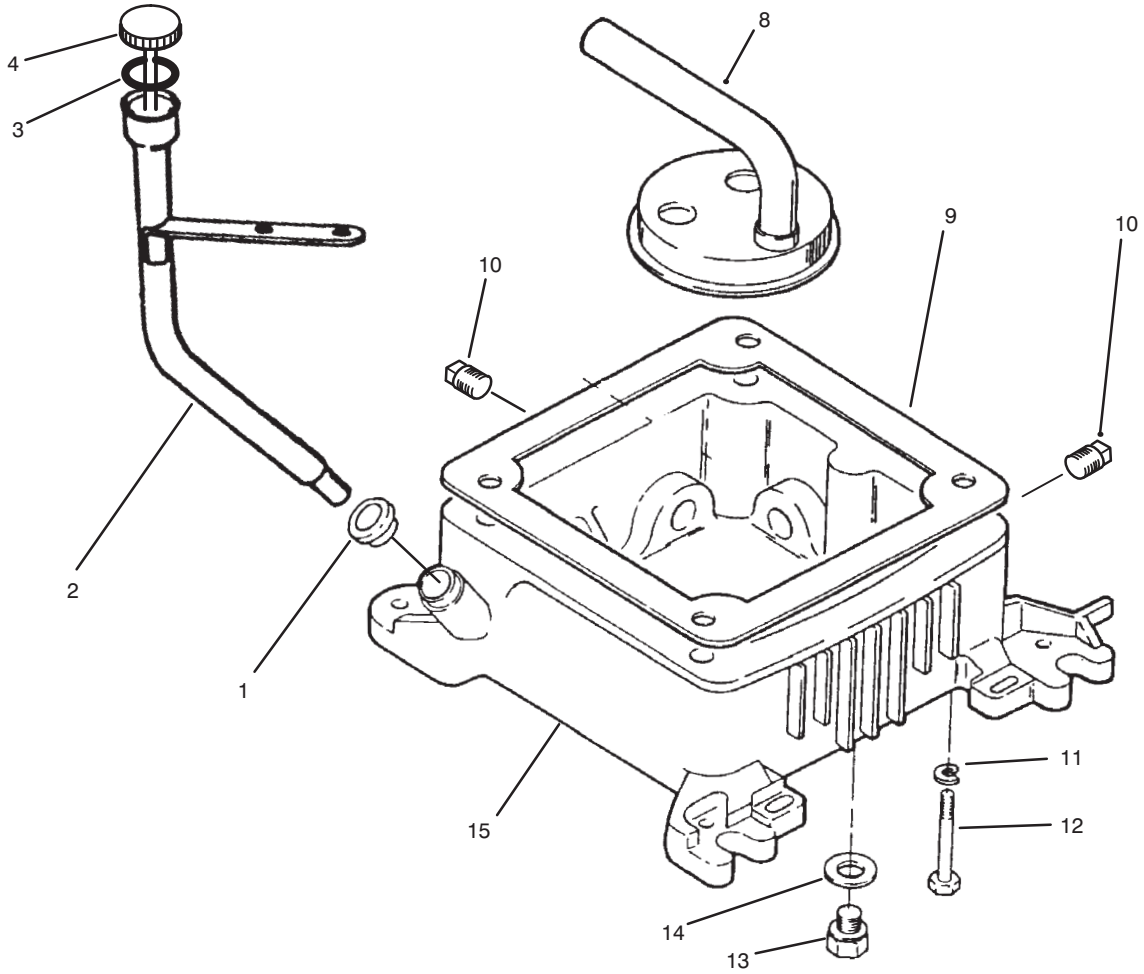


T–0755

ENGINE AIR HOUSING – ONAN P220G TYPE I/10808G

Ref. No.	Part No.	Description	No. Used
1	72–3970	Cover – Exhaust Tube L.H.	1
2	59–1090	Screw – Hex. Washer Hd.	2
3	72–3980	Cover – Exhaust Tube R.H.	1
4	57–9100	Spring	1
5	59–1030	Screw – Self Tap. Hex. Hd.	1
6	59–0430	Spring – Idle Setting	1
7	57–9140	Arm – Governor Control	1
8	57–9120	Bushing	1
9	3256–1	Washer – Flat	8
10	59–1010	Screw – Hex. Flange Hd.	2
11	3234–5	Screw – Hex. Flange Hd.	2
12	59–0630	Bracket – Lift	2
13	71–5940	Housing – R.H.	1
14	59–1080	Screw – Hex. Flange Hd.	4
15	71–6150	Grommet – Air Seal	1
16	57–9150	Bracket – Cable	1
17	72–3900	Screw – Self Tap. Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
18	3234–13	Screw – Hex. Flange Hd.	1
19	71–6220	Clip – Wire	1
20	59–0980	Screw – Self Tap. Hex. Hd.	4
21	71–5930	Housing – Blower	1
22	59–0970	Screw – Self Tap. Hex. Hd.	1
23	57–9210	Gasket	2
24	57–9230	Outlet	1
25	3256–3	Washer – Flat	4
26	322–3	Screw – Hex. Hd.	4
27	57–9240	Outlet	1
28	71–5910	Housing – L.H.	1
29	59–0980	Screw – Self Tap Hex. Hd.	2
30	57–9190	Clamp – Cable	1
31	49–2040	Screw – Self Tapping	1
32	71–6140	Grommet	1
33	71–5970	Bracket	1

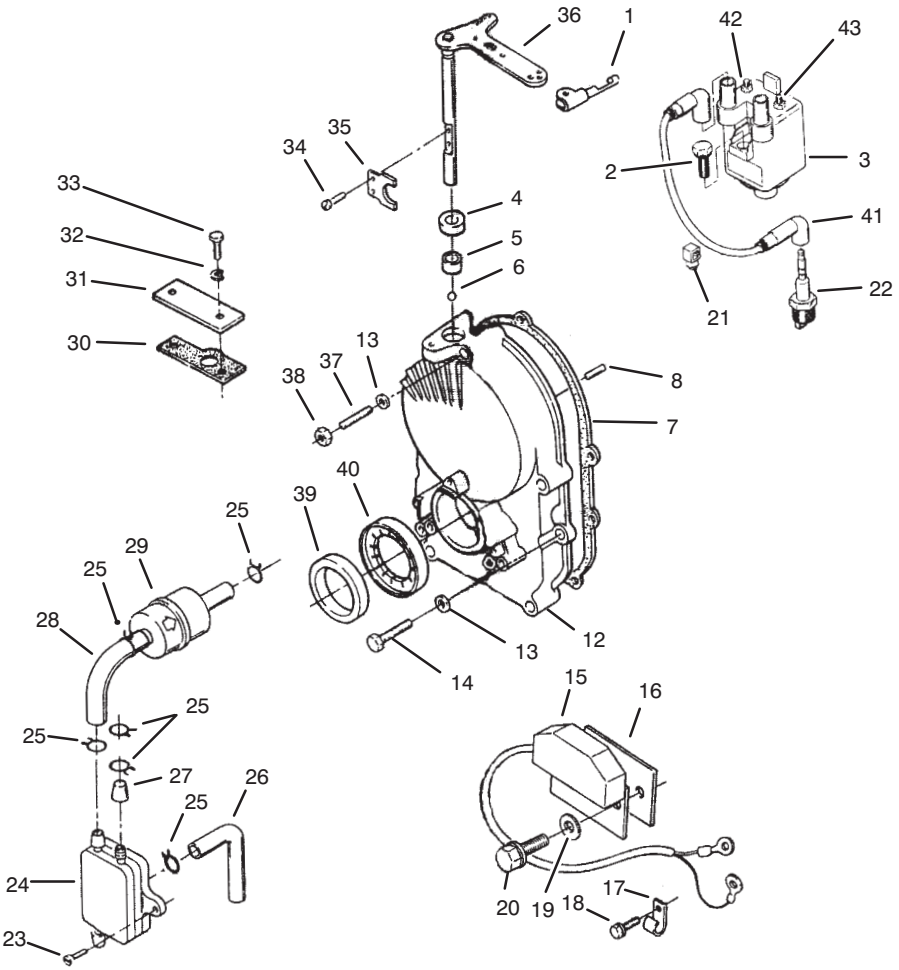


T–1261

OIL BASE & FUEL PUMP – ONAN P220G TYPE I/10808G

Ref. No.	Part No.	Description	No. Used
1	71–6170	Seal	1
2	82–1790	Oil Fill Tube & Bracket Assy.	1
3	57–9610	"O"Ring	1
4	71–5880	Cap (Incl. Ref. #3)	1
8	57–8490	Cup – Intake	1
9	57–8090	Gasket	1

Ref. No.	Part No.	Description	No. Used
10	281–2	Plug	2
11	3253–5	Washer – Lock	4
12	323–42	Screw – Hex. Hd.	4
13	57–8080	Plug	1
14	57–8070	Gasket	1
15	71–5730	Base (Incl. Ref. #9, 10, 13 & 14)	1



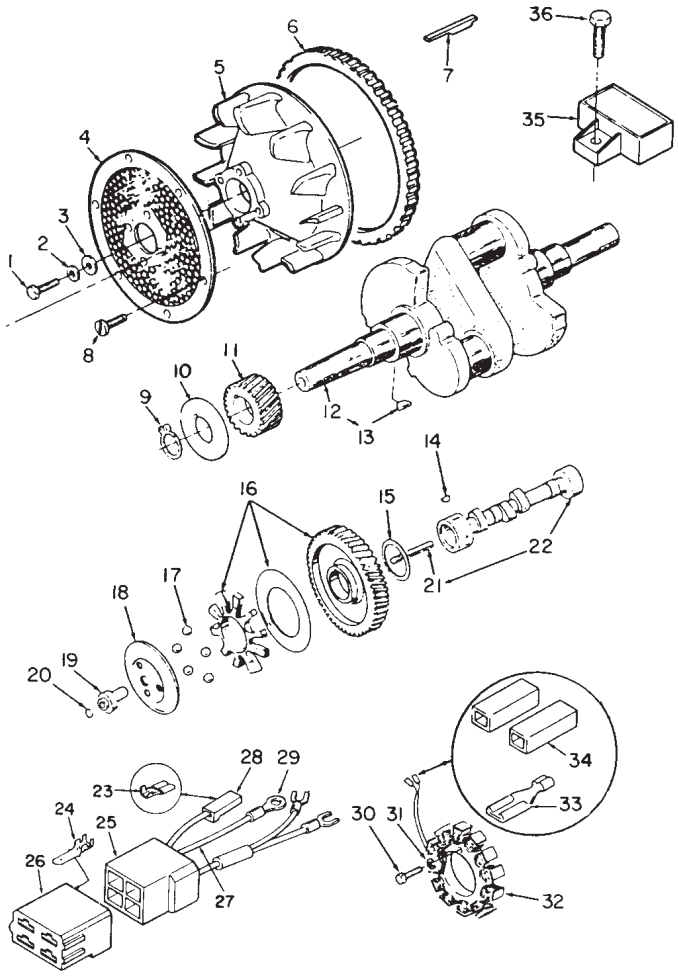
T–0754

IGNITION CONTROL – ONAN P220G TYPE I/10808G

Ref. No.	Part No.	Description	No. Used
1	57–9730	Clip – Retaining	1
2	71–6460	Screw – Flange Hex. Hd.	2
3	71–6000	Coil	1
4	57–9570	Seal – Oil	1
5	57–9650	Bearing	1
6	57–9630	Ball – Bearing	1
7	71–6360	Gasket	1
8	59–0740	Pin – Dowel	1
12	71–6350	Kit – Gearcase (Incl. Ref. #4–6, 8–11, 26, & 34–36)	1
13	57–9750	Washer – Flat	5
14	322–9	Screw – Hex. Hd.	4
15	71–6380	Control – Ignition	1
16	71–6410	Insulator	1
17	71–6220	Clip – Wire	2
18	71–6450	Screw – Flange Hex. Hd.	1
19	3254–1	Washer – Lock	2
20	71–6400	Screw – Flange Hex. Hd.	2
21	71–6060	Clip	1
22	57–9340	Plug – Spark	2
23	59–1050	Screw – Self Tap. Pan Hd.	2

Ref. No.	Part No.	Description	No. Used
24	57–9080	Pump – Fuel	1
25	57–9550	Clamp	7
26	71–6100	Line – Pulse	1
27	59–0370	Cap – Fuel Fitting	1
28	59–0710	Hose	1
29	71–5960	Filter – Fuel	1
30	57–9260	Gasket – Plate	1
31	71–5990	Plate – Plunger Cover	1
32	3256–1	Washer – Flat	2
33	321–3	Screw – Hex. Hd.	2
34	3250–16	Screw – Mach. Pan Hd.	2
35	59–0420	Yoke	1
36	59–0440	Shaft	1
37	59–0790	Stud	1
38	3217–6	Nut – Hex.	1
39	57–9580	Seal – Oil	1
40	71–6010	Rotor – Ignition	1
41	71–6420	Cable – Plug 9” Long	1
42	71–6440	Nut – Flange	1
43	71–6430	Nut – Flange	1
*	71–6020	Cable – Plug 18.5” Long	1

*Not Illustrated



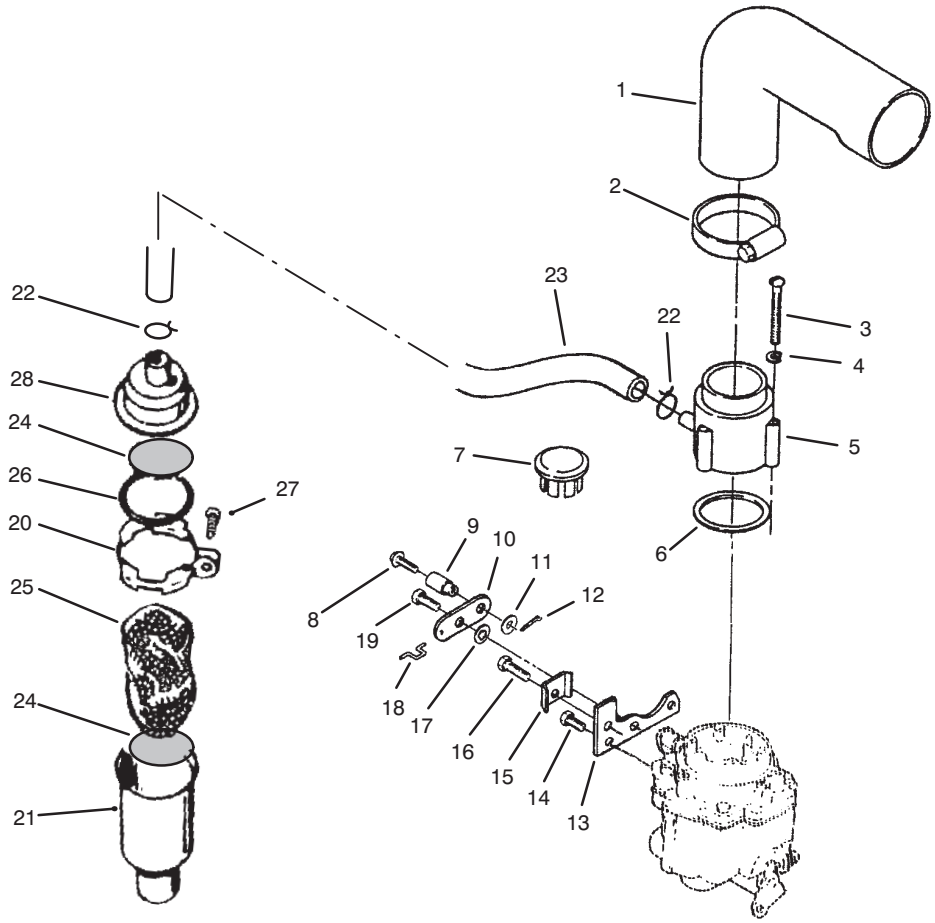
T–0756

BLOWER & CRANKSHAFT – ONAN P220G TYPE I/10808G

Ref. No.	Part No.	Description	No. Used
1	57–8150	Screw – Hex. Hd. Spec.	1
2	3253–6	Washer – Lock	1
3	59–0810	Washer	1
4	71–5900	Screw – Air Inlet	1
5	71–5920	Flywheel (Incl. Ref. #6)	1
6	57–8180	Gear – Ring	1
7	71–6190	Key – Flywheel	1
8	71–6340	Screw – Flange	6
9	57–9710	Ring – Retaining	1
10	57–8140	Washer – Special	1
11	57–8130	Gear – Crankshaft	1
12	71–5750	Crankshaft (Incl. Ref. #13)	1
13	57–9660	Key – Gear	1
14	57–9660	Key – Woodruff	1
15	57–8230	Washer	1
16	57–8210	Gear	1
17	57–9640	Ball – Governor	5
18	59–0450	Cup – Governor	1
19	57–9130	Hub – Cup, Governor	1

Ref. No.	Part No.	Description	No. Used
20	57–9090	Ring – Retaining	1
21	59–0400	Pin	1
22	71–6320	Camshaft (Incl. Ref. #21)	1
23	72–4000	Terminal – Receptacle	5
24	72–4040	Terminal – Tab	4
25	72–4010	Housing – Receptacle	1
26	72–4020	Housing – Tab	1
27	71–6070	Harness – Wiring	1
28	72–4030	Housing	1
29	72–3990	Terminal – Ring	1
30	71–6390	Screw – Mach. Hex. Hd.	3
31	3253–2	Washer – Lock	3
32	57–9440	Stator	1
33	59–0590	Terminal	3
34	71–6370	Body – Terminal	2
35	71–6030	Regulator	1
36	59–1080	Screw – Hex. Hd.	1
*	71–6230	Kit – Connector, Harness (Incl. Ref. #24 & 26)	1

*Not Illustrated

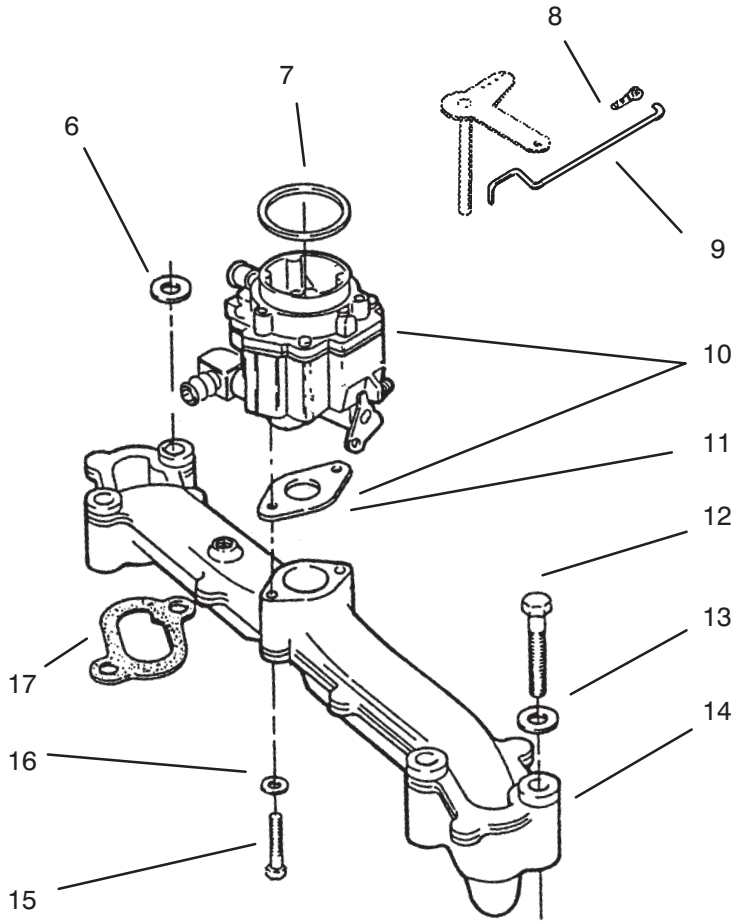


T–0770

AIR CLEANER & CHOKE – ONAN P220G TYPE I/10808G

Ref. No.	Part No.	Description	No. Used
1	57–8800	Elbow – Air Inlet	1
2	59–0690	Clamp	2
3	59–0940	Screw – Mach. Rd. Hd.	3
4	3253–2	Washer – Lock	3
5	57–8720	Adapter – Carburetor	1
6	57–9620	Seal	1
7	71–6210	Plug – Button	1
8	72–3890	Screw – Mach. Hex. Hd.	1
9	57–9170	Swivel	1
10	59–0460	Lever – Choke	1
11	59–0580	Washer – Flat	2
12	59–0720	Pin – Cotter	1
13	59–0470	Bracket	1
14	72–3880	Screw – Flange Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
15	57–9190	Clip	1
16	72–3900	Screw – Self Tap. Slot. Hd.	1
17	3254–1	Washer – Lock	1
18	57–9180	Link – Choke	1
19	59–1020	Screw – Shoulder	1
20	82–0530	Clamp	1
21	82–0540	Tube – Breather	1
22	57–9540	Clamp	1
23	71–6130	Hose – Breather	1
24	82–0560	Screen – Breather Tube	2
25	57–8580	Baffle – Breather Tube	1
26	82–0570	Seal – ”O”Ring	1
27	82–1480	Screw – Self Tapping	1
28	82–0550	Breather Cap & Valve	1

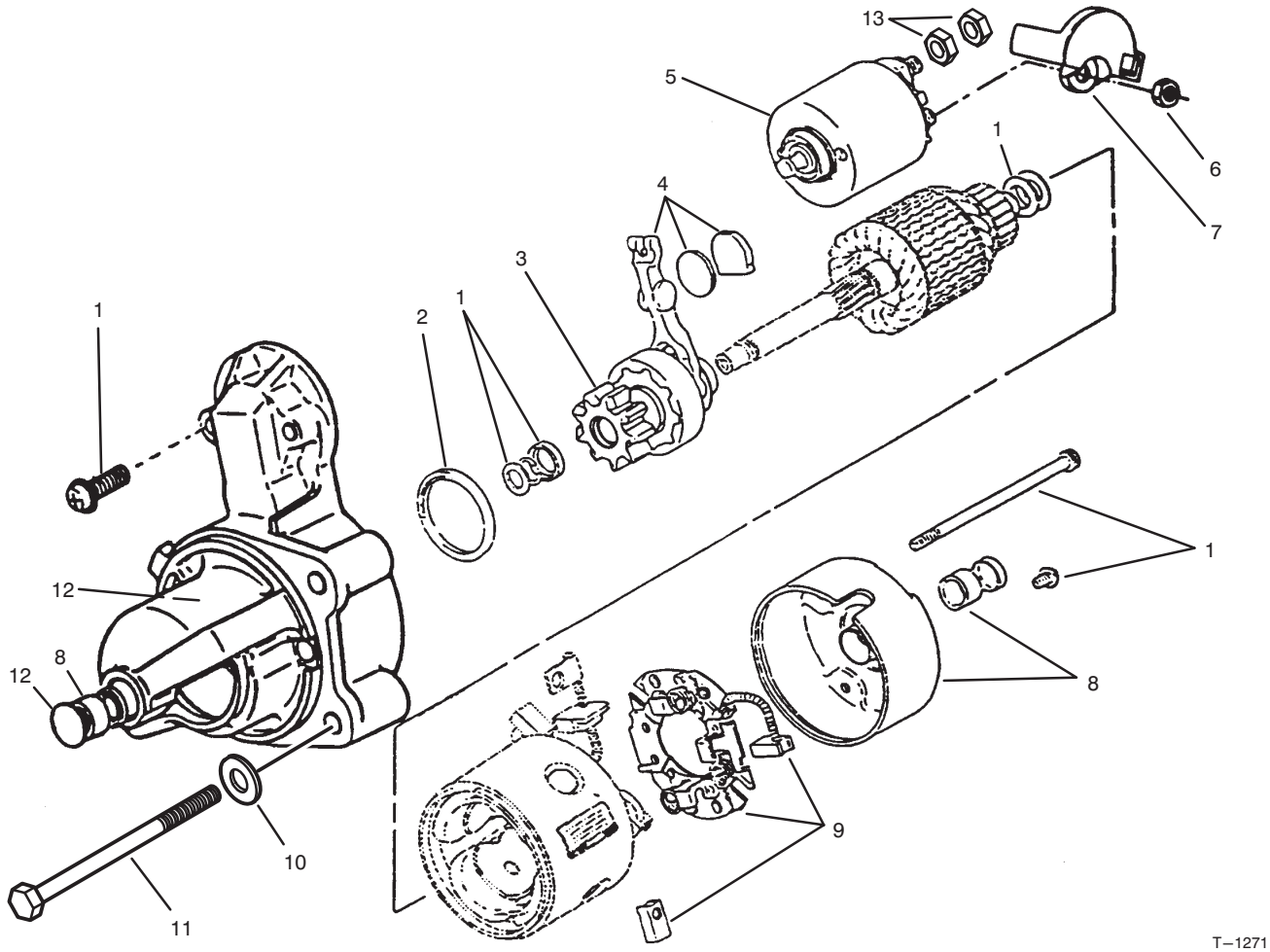


CARBURETOR LOW EMISSIONS

Ref. No.	Part No.	Description	No. Used
6	3256–23	Washer – Flat	1
7	57–9620	”O”Ring	1
8	57–9700	Clip	1
9	57–9160	Rod – Governor Control	1
10	94–1847	Kit – Carburetor (Flange Gaskets) Low Emissions NOT REPAIRABLE	1
*	94–1843	Kit – Float (Incl. Float & Gasket)	1

Ref. No.	Part No.	Description	No. Used
*	94–1848	Jet – High (Fixed Main)	1
*	94–1844	Kit – Accelerator Pump)	1
11	57–9200	Gasket	1
12	322–10	Screw – Hex. Hd.	4
13	3256–23	Washer – Flat	4
14	71–6480	Manifold – Intake	1
15	322–9	Screw – Hex. Hd.	2
16	3256–1	Washer – Flat	2
17	71–5980	Gasket	2

* Not Illustrated
NOT REPAIRABLE



STARTER – ONAN P220G TYPE I/10808G

Ref. No.	Part No.	Description	No. Used
1	62–2760	Starter Hardware Kit	1
2	72–3950	Dust Seal Kit	1
3	72–3940	Starter Clutch Kit	1
4	62–2770	Starter Shift Lever Kit	1
5	72–3930	Starter Solenoid Kit	1
6	82–1730	Nut – Hex.	1
7	82–1720	Cap Solenoid	1
8	62–2730	Starter Bushing Kit	1

Ref. No.	Part No.	Description	No. Used
9	62–2740	Starter Brush Kit	1
10	57–9770	Washer – Mounting Screw	2
11	322–22	Screw – Hex. Hd.	2
12	62–2750	Brush Mounting Kit	1
13	57–6390	Nut – Jam	2
*	71–6040	Starter Assembly (Incl. Ref. #1–10 & 13)	1

*Not Illustrated

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
109989	Spacer	6	18	4
114495	Nut	3	7	1
605142	Kit – Shim	3	10	1
5666683	Cup – Bearing	3	16	2
5666693	Assembly – Thrust Bearing	3	15	2
5666734	Gasket	3	13	1
5676217	Nut – Adjuster Lock	3	1	1
5679292	Housing – Steering Gear	3	14	1
7801626	Seal	3	4	1
7802160	Seal	3	5	1
7802482	Adjuster	3	11	1
7806748	Kit – Side Cover Service	3	8	1
7807009	Bolt – Flange Hex. Hd.	3	6	3
7812834	Gear – Pitman Shaft	3	12	1
7812946	Steering Worm Assembly	3	3	1
7840888	Assembly – Adjuster	3	2	1
3–0348	Bushing	12	10	8
3–3251	Spring	2	12	1
3–6514	Washer	14	7	2
3–6514	Washer – Thrust	12	2	2
3–6685	Spring	5	19	1
3–7243	Spring – Return	2	26	2
4–2390	Washer	1	15	2
5–7570	Washer	4	8	2
6–1659	Switch – Toggle	8	10	1
7–3900	Pad – Brake	2	35	2
10–7160	Assembly – Wire	11	26	2
10–8110	Washer	12	9	4
12–5450	Screw – Thread Forming	24	16	8
12–5869	Hood	1	1	1
12–9990	Meter – Hour	8	23	1
18–8000	Mount – Rubber	9	8	2
19–1470	Screw – Shoulder	1	16	2
20–4840	Clamp – Muffler	7	4	1
21–0141	Socket Assembly R.H.	4	14	1
21–0141	Socket Assembly R.H.	12	37	3
21–0141	Socket Assembly R.H.	2	40	2
21–0151	Socket Assembly L.H.	12	35	3
21–1880	Grip – Handle	14	3	1
21–3370	Assembly – Brake Cable	2	23	2
21–7670	Case – Differential	24	7	1
21–7690	Gear – Pinion	24	11	2
21–7700	Shaft – Pinion Mate	24	8	1
21–7720	Washer – Thrust	24	9	2
21–7730	Washer – Thrust	24	12	2
21–7770	Screw – Drive Gear	24	6	5
21–7830	Cover – Gear	24	17	1
21–7850	Plug – Cap	25	31	1
21–8020	Spacer – Bearing Frt. Pinion	24	26	1
21–8090	Shim – Diff. Adjust. .003	25	36	A/R
21–8100	Shim – Diff. Adjust. .005	25	37	A/R
21–8110	Shim – Diff. Adjust. .010	25	38	A/R
21–8120	Shim – Diff. Adjust. .030	25	39	A/R
21–8180	Bearing – Tapered Roller	23	3	2
21–8270	Pin – Dowel	24	5	2
21–8320	Gasket – Wheel Bearing	23	20	2
21–8330	Oil Seal	23	2	2
21–8360	Clip – Retaining	23	10	2
21–9260	Cover – Dust	2	16	1
21–9370	Adjusting Screw	23	7	2
21–9380	Nut – Pivot	23	8	2
21–9390	Socket – Adjusting Screw	23	6	2
21–9420	Spring – Shoe Return L.H.	23	17	2
21–9430	Spring – Shoe Return R.H.	23	18	2
21–9440	Screw – Spring Adjusting	23	14	2
21–9450	Dust Shield	23	4	2
21–9460	Retainer – Parking Brake	23	15	4
22–7320	Cooler – Oil	11	7	1
22–8330	Plug	21	1	1
22–8340	Spring	21	3	1
22–8350	Ball	21	4	1
22–8360	Pin – Cam	21	6	1
22–8370	Seat – Check Valve	21	5	1
22–8380	Retainer – Spring	21	12	2
22–8410	Spring	21	13	1
22–8480	Snap Ring – Spool	21	15	1
22–8490	Ring – Retaining	21	16	1
22–8500	”O”Ring	21	10	2
23–2270	Bushing – Rubber	16	6	1
23–2300	Filter – Oil	19	12	1
24–5790	Weight – Rear	9	13	1
24–8790	Gear – Bevel Diff. Side	24	10	2
24–8840	Ring – Wheel Bearing	23	22	2
25–2380	Plate – Thrust	18	15	2
25–2430	Pin	18	46	2
25–2460	Hex Hd. Plug	18	23	2
25–2470	Shim Pack	18	25	A/R
25–2480	Relief Valve Spring Charge	18	44	1
25–2500	Shaft – Trunion	18	2	1
25–2510	Washer	18	3	2
25–2660	Union – Filter	18	38	1
25–3210	Lip Seal	18	7	2
25–3300	Bearing – Needle	18	18	2
27–2360	Switch – Ignition	8	18	1
27–3250	Nonskid – Tunnel	8	30	1
27–3260	Nonskid – Floor	8	34	1
27–3270	Shroud – Fan	16	11	1
27–3390	Tube – Front Steering	2	39	1
27–3550	Rod – Brake Latch	2	7	1
27–3560	Latch – Parking Brake	2	32	1
27–3640	Pivot Mount Assembly	12	40	1
27–3680	Spacer – Mounting	16	25	4
27–3690	Gasket – Transmission	16	28	1
27–3710	Dipstick	24	1	1
27–3740	Fan	16	29	1
27–4060	Pin – Rear Axle	12	12	1
27–4090	Rod – Tie	12	33	2
27–4160	Tube – Pump Control	16	5	1
27–4200	Lever – Valve	20	2	1
27–4220	Link – Lever, Valve	20	11	1
27–4230	Bracket – Valve	20	5	1
27–4240	Pin – Cylinder	19	35	2
27–4310	Pin – Pivot	19	31	2
27–4340	Assembly – Hub & Plug	16	8	1
27–4360	Washer	16	30	1
27–4370	Hub – Pump	16	12	1
27–4480	Hose – Pressure, Low	19	23	1
27–4520	U/Joint Shaft Assembly	15	37	1
27–4570	Handle – Adjustment	6	12	2
27–4720	Shaft – Seat Pivot	5	7	1
27–4800	Pin – Pivot R.H.	1	*	1
27–4830	Pin – Pivot L.H.	1	11	1
27–4910	Lever – Power Take–Off	14	2	1
27–4980	Shaft – P.T.O.	15	17	1
27–5090	Wire – Battery Ground	10	3	1
27–5200	Spacer – Float	21	14	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
27–5210	Spool	21	11	1
27–5230	Arm – Pivot	12	39	1
27–5240	Bolt – Shoulder	6	9	2
27–5310	Support – Axle	16	7	1
27–6600	Spacer – Rubber Coupling	16	16	4
27–6650	Retainer – Bearing	15	31	1
27–6800	Link – Hood	1	9	2
27–6810	Tie – Hood	1	13	2
27–6850	Shaft – Axle R.H.	23	*	1
27–6860	Shaft – Axle L.H.	23	1	1
27–6880	Strut/Lever – Parking Brake	23	19	2
27–6970	Stud – Bearing	15	30	1
27–7100	Assembly – Air Cleaner	7	13	1
27–7110	Assembly – Element	7	7	1
27–7120	Assembly – Nut & Gasket	7	8	1
27–7130	Assembly – Clamp	7	10	1
27–7140	Skirt – Baffle	7	9	1
27–7150	Assembly – Cup	7	11	1
27–7160	Decal – Instruction	7	12	1
27–7170	Assembly – Mounting, Band	7	17	2
27–7180	Assembly – Cap	7	5	1
27–7310	Decal – Refueling	5	10	1
27–7320	Decal – Traction Pedal	8	39	1
27–7900	Screw – Adjusting	14	20	1
27–9870	Pin – Seat Switch	5	20	1
28–0660	Screw – Hex. Hd.	23	21	8
28–0670	Oil Seal	23	13	2
28–0680	Brake Drum	23	11	2
28–1120	Plug	21	8	1
28–1130	Plug	21	7	1
28–1280	Boot – Battery Cable	10	*	1
28–3300	Bearing – Roller	18	4	1
28–3310	Bearing – Needle	18	5	2
28–3340	Gasket	18	49	1
28–3350	Pin	18	48	2
28–3380	Plate – Motor Valve	18	45	1
28–3400	”O”Ring	18	24	2
28–3420	Relief Valve Cone Charge	18	27	2
28–3440	Threaded Plug	18	42	2
28–3450	Washer – Flat	18	36	2
28–3470	Lip Seal	18	34	1
28–3480	Bearing – Needle	18	33	1
28–3520	”O”Ring	18	31	1
28–3530	Screw – Hex. Hd.	18	30	2
28–3570	”O”Ring	18	21	2
28–3580	Ring – Backup	18	20	2
28–3590	”O”Ring	18	19	2
28–3640	Shaft – Pump	18	12	1
28–3650	Bearing – Ball	18	10	1
28–3660	Lip Seal	18	9	1
28–3670	Shaft – Trunion	18	8	1
28–5130	Pad – Traction Pedal	4	2	1
28–5220	Wheel – Friction	4	6	1
28–5640	Washer – Special	15	36	A/R
28–6180	Pin – Pedal	5	25	1
28–8950	Spring – Extension	15	29	2
28–9050	Hub – Bearing	15	19	1
29–4730	Washer	15	14	1
29–5600	Pivot Bracket Assembly	4	10	1
29–5630	Pin – Pedal Pivot	4	4	1
29–5670	Pedal – Traction	4	1	1
29–6150	Spring – Leaf	17	22	1
29–6163	Micro Switch	17	7	1
29–6170	Spring – Extended Leaf	17	5	1
29–6930	Arm – Switch	14	9	1
29–6930	Arm – Switch	5	18	1
29–9790	Pump – Lever	17	2	1
33–0990	Ammeter	8	6	1
33–2020	Spacer	16	19	4
36–8020	Washer	6	13	2
37–7060	Bar – Frame Rail	14	24	2
37–9590	Spring	5	23	1
37–9770	Support – Seat	5	15	1
37–9920	Hose	13	3	1
38–2670	Kit – Charge Pump	18	37	1
38–2680	Pin	18	32	1
38–3170	Pin – Seat Switch	5	13	1
38–4020	Mounting – Seat	5	6	1
38–4070	Trim – Hood	1	23	1
38–4080	Trim – Hood	1	24	1
39–8850	Spindle – L.H.	12	18	1
39–8900	Spindle – R.H.	12	6	1
39–9600	Clamp – Mounting	8	5	1
40–2190	Torque Spider	23	5	2
41–8800	Pedal – Brake, R.H.	2	30	1
41–8810	Pedal – Brake L.H.	2	28	1
41–8820	Steering Gear Assembly	2	4	1
41–8830	Clamp – Coupling	2	6	1
41–8840	Shaft – Steering	2	11	1
41–8880	Arm – Gear Box	2	3	1
41–8900	Cover – Steering Tower	8	41	1
41–8910	Decal – Instruction	8	24	1
42–2540	Pin – Brake	2	27	1
42–2580	Bracket – Steering Post	8	33	1
42–3220	Rack	2	38	1
42–6080	Shim – Axle	9	5	A/R
42–6080	Shim – Axle	13	19	A/R
43–1700	Valve – Hydraulic	20	8	1
43–2690	Assy. – Shoe & Lining	23	16	4
43–5220	Ring – Retaining	22	11	1
43–5230	Shaft w/Clevis	22	12	1
43–5320	Pulley – P.T.O.	15	16	1
43–5340	Pulley – Engine	11	23	1
43–5350	Tank – Fuel	13	2	1
43–6510	Gear & Pinion Assembly	25	*	1
43–6550	Ring – Retaining	25	30	1
43–6710	Shim – Adjusting .003	24	20	A/R
43–6711	Shim – Adjusting .005	24	21	A/R
43–6712	Shim – Adjusting .010	24	22	A/R
43–6713	Shim – Adjusting .030	24	23	A/R
43–6750	Cup – Bearing	24	15	1
43–6760	Cone – Bearing	24	14	1
43–6800	Nut – Lock, Flange Hd.	23	12	8
43–6850	Assembly – Lower Housing	24	4	1
43–8480	Decal – Danger	13	6	1
43–8480	Decal – Danger	5	8	1
44–2230	Coupling – Rubber	16	15	2
44–8680	Shield – Heat	14	11	1
44–8690	Shield – Heat	11	2	1
44–8710	Shroud – Engine	11	4	1
44–8720	Shaft – Drive	16	13	1
44–8820	Spring – Compression	14	18	1
44–8830	Grille – Rear Panel	1	3	1
44–8890	Retainer – Spring	14	17	2
44–8920	Cover – Battery	9	21	1
44–8950	Tube – Air Cleaner	7	6	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
44–8990	V–Belt – Torque Team	15	15	1
44–9010	Bracket – Shield Support	11	5	1
44–9020	Oil Hose Assembly	11	14	1
44–9030	Foam – Hood (Front)	1	22	1
44–9040	Foam – Hood (Rear)	1	2	1
44–9050	Hose – Air Cleaner Inlet	7	2	1
44–9090	Axle – Rear	12	7	1
44–9110	Tube – Steering	12	38	1
44–9120	Steering Plate Assembly	12	29	1
44–9190	Trim – Hood	1	18	1
44–9220	Guide – Belt (Lower)	15	1	1
44–9230	Guide – Belt	15	6	2
44–9250	Control – Throttle	8	20	1
44–9300	Control – Choke	8	13	1
44–9310	Bracket – Brake	15	5	1
44–9320	Base – Engine	9	10	1
44–9330	Support Pad Assembly	15	7	1
44–9350	Arm – Engagement	15	24	1
44–9390	Mount – Engine Rubber	9	4	2
44–9450	Adapter – Air Inlet	11	31	1
44–9460	Foam – Battery Cover	9	22	1
46–2210	Shim – Front Pinion Bearing	24	29	A/R
46–2211	Shim – Front Pinion Bearing	24	*	A/R
46–2212	Shim – Front Pinion Bearing	24	*	A/R
46–2213	Shim – Front Pinion Bearing	24	*	A/R
46–2214	Shim – Front Pinion Bearing	24	*	A/R
46–2215	Shim – Front Pinion Bearing	24	*	A/R
46–2216	Shim – Front Pinion Bearing	24	*	A/R
46–2220	Shim – Front Pinion Bearing	24	*	A/R
46–2221	Shim – Front Pinion Bearing	24	*	A/R
46–2222	Shim – Front Pinion Bearing	24	*	A/R
46–2223	Shim – Front Pinion Bearing	24	*	A/R
46–2224	Shim – Front Pinion Bearing	25	29	A/R
46–2225	Shim – Front Pinion Bearing	25	*	A/R
46–2226	Shim – Front Pinion Bearing	25	*	A/R
46–2390	Muffler – Spark Arrester	11	*	1
46–2410	Shim – Front Pinion Bearing	25	*	A/R
46–2411	Shim – Front Pinion Bearing	25	*	A/R
46–2412	Shim – Front Pinion Bearing	25	*	A/R
46–2413	Shim – Front Pinion Bearing	25	*	A/R
46–2414	Shim – Front Pinion Bearing	25	*	A/R
46–2415	Shim – Front Pinion Bearing	25	*	A/R
46–2416	Shim – Front Pinion Bearing	25	*	A/R
46–2420	Shim – Front Pinion Bearing	25	*	A/R
46–2421	Shim – Front Pinion Bearing	25	*	A/R
46–2422	Shim – Front Pinion Bearing	25	*	A/R
46–2423	Shim – Front Pinion Bearing	25	29	A/R
46–2424	Shim – Front Pinion Bearing	25	*	A/R
46–2425	Shim – Front Pinion Bearing	25	*	A/R
46–2426	Shim – Front PInion Bearing	25	*	A/R
46–3320	Trim – Hood	1	20	1
46–3350	Panel – Instrument	8	11	1
46–3460	Decal – By–Pass	8	9	1
46–7280	Plug – Pipe	18	40	1
46–7310	Relief Valve Spring Imp.	18	26	1
46–7320	Plate – Pump Valve	18	17	1
46–8560	Screw – Hex. Flange Hd.	5	2	4
46–8560	Screw – Self Tap. Hex. Hd.	8	40	11
46–8810	Stop – Leaf Spring	17	9	1
46–9110	Spring – Seat	6	15	2
46–9120	Mount – Seat	6	17	2
47–4760	Shim – P.T.O. Block	15	20	1
47–4780	Arm – Engagement	14	10	1
48–1800	Kit – Cylinder Block	18	16	2
49–2040	Screw – Self Tapping	28	31	1
49–2040	Screw – Self Tapping	11	32	1
49–7820	Variable Swashplate	18	13	1
49–7830	Assembly – Check Valve	18	22	2
49–7850	Center Section	18	39	1
49–7870	Housing	18	6	1
49–7910	Transmission	16	10	1
49–8200	Shaft – Motor	18	47	1
51–3150	Shim	17	24	1
52–8890	Bracket – Mounting	17	16	1
52–9070	Plate – Pump	17	17	1
53–4430	Decal – Oil	8	26	1
55–3574	Cap – Fuel	13	7	1
57–6390	Nut – Jam	34	13	2
57–8000	Bearing – Camshaft	27	62	2
57–8010	Gasket	27	8	1
57–8020	Bearing – Flange Std.	27	53	1
57–8030	Bearing – Flange	27	*	1
57–8040	Plate – Bearing	27	11	1
57–8050	Bearing – Std. Crankshaft	27	10	1
57–8060	Bearing – Crankshaft .010	27	*	1
57–8070	Gasket	29	14	1
57–8080	Plug	29	13	1
57–8090	Gasket	29	9	1
57–8130	Gear – Crankshaft	31	11	1
57–8140	Washer – Special	31	10	1
57–8150	Screw – Hex. Hd. Spec.	31	1	1
57–8160	Washer – Thrust	27	9	2
57–8170	Shim	27	23	A/R
57–8180	Gear – Ring	31	6	1
57–8210	Gear	31	16	1
57–8230	Washer	31	15	1
57–8280	Gasket – Valve Cover	27	3	2
57–8410	Bolt – Special	27	48	4
57–8420	Rod – Connecting Std.	27	49	2
57–8430	Rod – Conn. .010 undersize	27	*	2
57–8440	Rod – Conn. .020 undersize	27	*	2
57–8450	Tappet – Valve Std.	27	71	4
57–8460	Kit – Gasket, Oil Pump	27	61	1
57–8470	Plunger – Bypass Valve	27	64	1
57–8470	Valve – By–pass Plunger	27	42	1
57–8480	Pump – Oil	27	57	1
57–8490	Cup – Intake	29	8	1
57–8500	Spring – Bypass Valve	27	65	2
57–8510	Adapter – Oil Filter	27	32	1
57–8530	Filter – Oil	27	20	1
57–8540	Base – Filter	27	21	1
57–8580	Baffle – Breather Tube	32	25	1
57–8720	Adapter – Carburetor	32	5	1
57–8800	Elbow – Air Inlet	32	1	1
57–8830	Gasket	27	27	2
57–9080	Pump – Fuel	30	24	1
57–9090	Ring – Retaining	31	20	1
57–9100	Spring	28	4	1
57–9120	Bushing	28	8	1
57–9130	Hub – Cup, Governor	31	19	1
57–9140	Arm – Governor Control	28	7	1
57–9150	Bracket – Cable	28	16	1
57–9160	Rod – Governor Control	33	9	1
57–9170	Swivel	32	9	1
57–9180	Link – Choke	32	18	1
57–9190	Clamp – Cable	28	30	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
57–9190	Clip	32	15	1
57–9200	Gasket	33	11	1
57–9210	Gasket	28	23	2
57–9220	Hose – Oil	27	36	2
57–9230	Outlet	28	24	1
57–9240	Outlet	28	27	1
57–9260	Gasket – Plate	30	30	1
57–9340	Plug – Spark	30	22	2
57–9360	Bearing – Flange	27	*	1
57–9440	Stator	31	32	1
57–9490	Switch – Low Oil Pressure	27	31	1
57–9540	Clamp	32	22	1
57–9550	Clamp	30	25	7
57–9570	Seal – Oil	30	4	1
57–9580	Seal – Oil	30	39	1
57–9590	Seal – Oil	27	12	1
57–9610	”O”Ring	29	3	1
57–9620	”O”Ring	33	7	1
57–9620	Seal	32	6	1
57–9630	Ball – Bearing	30	6	1
57–9640	Ball – Governor	31	17	5
57–9650	Bearing	30	5	1
57–9660	Key – Gear	31	13	1
57–9660	Key – Woodruff	31	14	1
57–9690	Plug – Welch	27	6	1
57–9700	Clip	33	8	1
57–9710	Ring – Retaining	31	9	1
57–9720	Ring – Retaining	27	46	4
57–9730	Clip – Retaining	30	1	1
57–9740	Washer – Flat	27	72	2
57–9750	Washer – Flat	30	13	5
57–9750	Washer – Flat	27	33	2
57–9760	Washer – Flat	27	40	1
57–9760	Washer – Flat	27	67	1
57–9770	Washer – Flat	27	29	18
57–9770	Washer – Mounting Screw	34	10	2
57–9790	Nut – Lock Hex. Crown	27	50	4
57–9800	Bearing – Flange	27	*	1
59–0010	Bearing – Flange	27	*	1
59–0020	Bearing – Crankshaft .002	27	*	1
59–0030	Bearing – Crankshaft .020	27	*	1
59–0040	Bearing – Crankshaft .030	27	*	1
59–0050	Insert – Valve Seat Std.	27	25	2
59–0080	Insert – Valve Seat .010 OS	27	*	2
59–0100	Insert – Exhaust Valve Seat	27	52	2
59–0250	Rod – Conn. .030 undersize	27	*	2
59–0260	Tappet – Valve .002 OS	27	*	4
59–0270	Tappet – Valve .005 OS	27	*	4
59–0290	Tube – Oil	27	54	1
59–0300	Bracket	27	15	1
59–0370	Cap – Fuel Fitting	30	27	1
59–0400	Pin	31	21	1
59–0420	Yoke	30	35	1
59–0430	Spring – Idle Setting	28	6	1
59–0440	Shaft	30	36	1
59–0450	Cup – Governor	31	18	1
59–0460	Lever – Choke	32	10	1
59–0470	Bracket	32	13	1
59–0580	Washer – Flat	32	11	2
59–0590	Terminal	31	33	3
59–0630	Bracket – Lift	28	12	2
59–0640	Elbow – Street 45°	27	44	1
59–0660	Hose – Oil	27	13	2
59–0670	Elbow – Male (from Filter)	27	37	1
59–0680	Elbow – Male (to Filter)	27	38	1
59–0690	Clamp	32	2	2
59–0710	Hose	30	28	1
59–0710	Hose – Fuel	11	19	1
59–0720	Pin – Cotter	32	12	1
59–0730	Pin – Drive	27	7	4
59–0740	Pin – Dowel	30	8	1
59–0750	Pin – Alignment	27	60	2
59–0790	Stud	30	37	1
59–0810	Washer	31	3	1
59–0840	Washer – Flat	27	17	2
59–0860	Washer – Flat	27	18	2
59–0910	Screw – Hex. Hd.	27	66	1
59–0940	Screw – Mach. Rd. Hd.	32	3	3
59–0970	Screw – Self Tap. Hex. Hd.	28	22	1
59–0980	Screw – Self Tap Hex. Hd.	28	29	2
59–0980	Screw – Self Tap. Hex. Hd.	28	20	4
59–1010	Screw – Hex. Flange Hd.	28	10	2
59–1020	Screw – Shoulder	32	19	1
59–1030	Screw – Self Tap. Hex. Hd.	28	5	1
59–1050	Screw – Self Tap. Pan Hd.	30	23	2
59–1080	Screw – Hex. Flange Hd.	28	14	4
59–1080	Screw – Hex. Hd.	31	36	1
59–1090	Screw – Hex. Washer Hd.	28	2	2
59–1130	Nut	27	16	3
61–8140	Cover – Seat Support	5	1	1
61–9650	Hose – Fuel	13	11	1
62–2730	Starter Bushing Kit	34	8	1
62–2740	Starter Brush Kit	34	9	1
62–2750	Brush Mounting Kit	34	12	1
62–2760	Starter Hardware Kit	34	1	1
62–2770	Starter Shift Lever Kit	34	4	1
62–7400	Decal – Toro	8	42	1
63–7400	Washer	9	2	4
63–7590	Relay	14	25	1
63–8360	Key	8	17	1
66–3110	Fitting	19	11	2
66–8130	Hose	19	19	1
66–8190	Hose	19	8	1
67–1710	Decal – Caution	5	4	1
68–7320	Decal – Hydraulic Lift	5	3	1
68–7330	Decal – Caution	5	9	1
68–7350	Decal – Instrument Panel	8	15	1
68–9700	Assembly – Hydra. Cylinder	19	18	2
70–2770	Head	22	9	1
70–2780	Piston	22	4	1
70–2790	Kit – Seal Repair	22	*	1
70–9830	Shaft – Traction Pedal	4	5	1
71–0590	Assembly – Fitting	19	5	1
71–0670	Hose – Trans. to Valve	19	6	1
71–0680	Hose	19	16	1
71–0690	Hose – Cyl. Tee to Valve	19	27	1
71–0700	Spacer	11	24	1
71–3270	90° Elbow	19	14	2
71–3370	Hose – Fuel	13	21	1
71–3370	Line – Fuel	11	29	1
71–3770	Hose – Pressure, Low	19	24	1
71–5730	Base	29	15	1
71–5750	Crankshaft	31	12	1
71–5770	Valve – Intake	27	26	2
71–5780	Valve – Exhaust	27	51	2
71–5790	Spring – Valve	27	68	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
71–5800	Washer – Valve Spring Ret.	27	73	4
71–5820	Head – Cylinder R.H.	27	28	1
71–5830	Cap – Valve	27	69	4
71–5840	Lock – Valve Spring	27	70	8
71–5850	Cover – Valve	27	2	2
71–5880	Cap	29	4	1
71–5900	Screw – Air Inlet	31	4	1
71–5910	Housing – L.H.	28	28	1
71–5920	Flywheel	31	5	1
71–5930	Housing – Blower	28	21	1
71–5940	Housing – R.H.	28	13	1
71–5960	Filter – Fuel	11	28	1
71–5960	Filter – Fuel	30	29	1
71–5970	Bracket	28	33	1
71–5980	Gasket	33	17	2
71–5990	Plate – Plunger Cover	30	31	1
71–6000	Coil	30	3	1
71–6010	Rotor – Ignition	30	40	1
71–6020	Cable – Plug 18.5 Long	30	*	1
71–6030	Regulator	31	35	1
71–6040	Starter Assembly	34	*	1
71–6060	Clip	30	21	1
71–6070	Harness – Wiring	10	*	1
71–6070	Harness – Wiring	31	27	1
71–6100	Line – Pulse	30	26	1
71–6130	Hose – Breather	32	23	1
71–6140	Grommet	28	32	1
71–6150	Grommet – Air Seal	28	15	1
71–6170	Seal	29	1	1
71–6180	Seal – Intake Valve	27	4	2
71–6190	Key – Flywheel	31	7	1
71–6210	Plug – Button	32	7	1
71–6220	Clip – Wire	30	17	2
71–6220	Clip – Wire	28	19	1
71–6230	Kit – Connector, Harness	31	*	1
71–6240	Screw – Flange	27	22	5
71–6250	Guide – Exhaust Valve	27	5	2
71–6260	Guide – Intake Valve	27	5	2
71–6270	Screw – Hex. Hd.	27	30	18
71–6290	Kit – Gasket Comp. Engine	27	56	1
71–6300	Kit – Valve Grinding	27	*	1
71–6310	Pin – Piston	27	47	4
71–6320	Camshaft	31	22	1
71–6340	Screw – Flange	31	8	6
71–6350	Kit – Gearcase	30	12	1
71–6360	Gasket	30	7	1
71–6370	Body – Terminal	31	34	2
71–6380	Control – Ignition	30	15	1
71–6390	Screw – Mach. Hex. Hd.	31	30	3
71–6400	Screw – Flange Hex. Hd.	30	20	2
71–6410	Insulator	30	16	1
71–6420	Cable – Plug 9 Long	30	41	1
71–6430	Nut – Flange	30	43	1
71–6440	Nut – Flange	30	42	1
71–6450	Screw – Flange Hex. Hd.	30	18	1
71–6460	Screw – Flange Hex. Hd.	30	2	2
71–6480	Manifold – Intake	33	14	1
72–3880	Screw – Flange Hex. Hd.	32	14	1
72–3890	Screw – Mach. Hex. Hd.	32	8	1
72–3900	Screw – Self Tap. Hex. Hd.	28	17	1
72–3900	Screw – Self Tap. Slot. Hd.	32	16	1
72–3930	Starter Solenoid Kit	34	5	1
72–3940	Starter Clutch Kit	34	3	1
72–3950	Dust Seal Kit	34	2	1
72–3960	Switch – Temp. Cut–Off	27	41	1
72–3970	Cover – Exhaust Tube L.H.	28	1	1
72–3980	Cover – Exhaust Tube R.H.	28	3	1
72–3990	Terminal – Ring	10	*	1
72–3990	Terminal – Ring	31	29	1
72–4000	Terminal – Receptacle	10	*	5
72–4000	Terminal – Receptacle	31	23	5
72–4010	Housing – Receptacle	10	5	1
72–4010	Housing – Receptacle	31	25	1
72–4020	Housing – Tab	10	4	1
72–4020	Housing – Tab	31	26	1
72–4030	Housing	10	*	1
72–4030	Housing	31	28	1
72–4040	Terminal – Tab	10	*	4
72–4040	Terminal – Tab	31	24	4
72–7920	Muffler	11	15	1
72–7930	Extension	11	9	1
72–9420	Vent Tube Assembly	25	41	1
74–0720	Tube – Manual	6	2	1
75–0810	Decal	8	29	2
76–1420	Wheel – Steering	2	18	1
76–3080	Arm – Lift, R.H.	19	29	1
76–3090	Arm – Lift, L.H.	19	28	1
80–3330	Gasket	7	14	1
82–0520	Gasket	27	43	1
82–0530	Clamp	32	20	1
82–0540	Tube – Breather	32	21	1
82–0550	Breather Cap & Valve	32	28	1
82–0560	Screen – Breather Tube	32	24	2
82–0570	Seal – ”O”Ring	32	26	1
82–1480	Screw – Self Tapping	32	27	1
82–1720	Cap Solenoid	34	7	1
82–1730	Nut – Hex.	34	6	1
82–1790	Oil Fill Tube & Bracket Assy.	29	2	1
82–1800	Piston – Std.	27	45	2
82–1810	Piston – .010 OS	27	45	2
82–1820	Piston – .020 OS	27	*	2
82–1830	Piston – .030 OS	27	*	2
82–1840	Ring Set – Piston Std.	27	55	2
82–1850	Ring Set – Piston	27	*	2
82–1860	Ring Set – Piston	27	*	2
82–1870	Ring Set – Piston	27	*	2
82–1880	Block – Short	27	63	1
82–8530	Fitting – Straight	19	10	2
84–8600	Set – Brake Shoe (4 Shoes)	23	*	1
86–7220	Gear – Spur	16	26	1
86–7230	Gear – Spur	24	18	1
86–7290	Frame Assembly	8	37	1
86–7470	Diode	10	2	1
86–7930	Upper Housing Assembly	24	24	1
86–9470	Harness – Wire	10	1	1
86–9660	Axle Assembly	13	16	1
92–1180	Seat	6	4	1
92–6312	Spacer	13	22	2
92–6533	Kit – Cushion	6	5	1
92–6534	Shell – Seat	6	7	1
94–1812	Engine – Onan (Model No.	11	18	1
94–1843	Kit – Float	33	*	1
94–1844	Kit – Accelerator Pump)	33	*	1
94–1847	Kit – Carburetor (Flange	33	10	1
94–1848	Jet – High (Fixed Main)	33	*	1
94–5411	Decal – Groundsmaster 220	1	6	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
217–107	Rim	13	13	2
217–108	Rim	12	21	2
218–473	Boot – Toggle Switch	8	8	1
218–515	Bracket – Mounting	8	25	1
2112–9	Clamp	11	8	1
231–103	Tire	13	12	2
231–104	Tire	12	20	2
232–35	Valve Stem w/Cap	13	15	2
232–35	Valve Stem w/Cap	12	28	2
232–39	Tube – Inner (Optional)	12	*	2
232–43	Tube – Inner (Optional)	13	*	2
233–17	Knob	2	14	1
233–35	Knob	8	16	2
233–39	Knob	20	1	1
237–22	”O”Ring	19	9	4
237–42	”O”Ring	21	2	1
237–42	”O”Ring	19	3	6
237–78	”O”Ring	19	13	3
237–80	”O”Ring	19	22	1
237–81	Seal – ”O”Ring	25	44	1
237–150	”O”Ring	19	15	4
241–119	Cap – Dust	12	24	2
242–34	Stud – Axle Flange	23	9	10
242–35	Nut – Hex.	13	14	10
249–39	Assembly – Handle	5	12	2
249–40	Keeper – Reverse	1	19	2
2412–36	Clamp – Hose	11	20	5
2412–36	Clamp – Worm Drive	19	20	4
2412–37	Clamp – Muffler	11	16	2
2412–39	”R”Clamp	11	10	2
2412–42	Clamp – Hose	7	1	2
2412–42	Clamp – Hose	11	33	1
2412–108	Clamp	19	39	4
2412–108	Clamp – Worm Drive	13	5	5
2412–123	”R”Clamp	6	3	2
2412–142	”R”Clamp	11	30	1
251–77	Collar – Locking	15	28	2
251–253	Bearing w/Collar	15	26	2
251–255	Bearing – Flange	15	25	4
251–259	Bearing – Ball	17	23	1
251–268	Bearing	15	21	2
251–269	Bearing – Pillow Block	14	5	2
251–275	Bearing – Ball	2	{15	1
252–6	Bearing	12	3	2
253–129	Seal – Oil	12	19	2
254–65	Cone – Bearing Tapered	25	34	2
254–66	Cup – Bearing Tapered	25	33	2
254–72	Cup – Bearing	12	22	4
254–90	Cup – Bearing	24	27	1
254–91	Cone – Bearing	24	28	1
254–94	Cone – Bearing	12	27	4
256–42	Bushing	2	29	4
256–101	Bushing	19	38	4
256–121	Bushing	12	17	2
256–156	Bushing – Flange	4	9	2
256–173	Bushing	5	5	2
281–1	Yoke	14	22	1
281–2	Plug	29	10	2
283–17	Pin – Clevis	20	12	1
283–42	Pin – Clevis	14	23	1
283–58	Pin – Clevis	2	24	2
285–17	Plug – Pipe	18	28	4
289–38	Nipple – Pipe	25	43	1
2811–9	Street Elbow 90°	25	42	1
302–5	Fitting – Grease	14	4	2
302–5	Fitting – Grease	12	11	4
302–5	Fitting – Grease	2	31	2
302–5	Fitting – Grease	15	38	1
302–40	Fitting – Grease	15	18	2
302–62	Fitting – Grease	19	37	2
304–99	90° Barb Hose Stem	19	17	1
321–3	Screw – Hex. Hd.	15	33	2
321–3	Screw – Hex. Hd.	30	33	2
321–4	Screw – Hex. Hd.	17	21	2
321–6	Screw – Hex. Hd.	27	59	2
321–9	Screw – Hex. Hd.	17	3	2
321–10	Screw – Hex. Hd.	27	1	2
321–10	Screw – Hex. Hd.	20	13	1
321–24	Screw – Hex. Hd.	20	7	3
322–3	Screw – Hex. Hd.	7	16	4
322–3	Screw – Hex. Hd.	28	26	4
322–3	Screw – Hex. Hd.	9	28	4
322–4	Screw – Hex. Hd.	15	8	2
322–4	Screw – Hex. Hd.	27	14	3
322–5	Screw	6	8	4
322–5	Screw – Hex. Hd.	16	31	1
322–9	Screw – Hex. Hd.	30	14	4
322–9	Screw – Hex. Hd.	33	15	2
322–10	Screw – Hex. Hd.	33	12	4
322–17	Screw – Hex. Hd.	17	18	1
322–22	Screw – Hex. Hd.	34	11	2
323–5	Screw – Hex. Hd.	12	5	2
323–8	Screw – Hex. Hd.	18	29	2
323–10	Screw – Hex. Hd.	18	43	4
323–12	Screw – Hex. Hd.	9	7	4
323–18	Screw – Hex. Hd.	15	12	1
323–38	Screw – Hex. Hd.	16	23	2
323–39	Screw – Hex. Hd.	17	14	2
323–42	Screw – Hex. Hd.	29	12	4
324–6	Screw – Hex. Hd.	8	31	3
324–9	Screw – Hex. Hd.	13	20	4
324–23	Screw – Hex. Hd.	24	19	4
324–23	Screw – Hex. Hd.	18	35	2
325–8	Screw	9	15	2
3210–5	Screw – Hex. Hd.	16	17	4
3210–7	Screw – Hex. Hd.	17	4	1
3210–7	Screw – Hex. Hd.	24	25	8
3210–8	Screw – Hex. Hd.	16	22	4
3211–27	Screw – Hex. Hd.	1	12	2
3211–27	Screw – Hex. Hd.	27	39	1
3217–4	Nut – Hex.	27	19	2
3217–6	Nut – Hex.	7	3	2
3217–6	Nut – Hex.	15	9	4
3217–6	Nut – Hex.	30	38	1
3217–7	Nut – Hex.	16	1	1
3217–7	Nut – Hex.	8	36	1
3217–8	Nut – Hex.	2	8	1
3217–8	Nut – Hex.	13	17	4
3217–9	Nut	9	11	4
3217–16	Nut – Hex.	17	11	2
3217–26	Nut – Hex.	8	28	1
3218–3	Nut – Hex. Jam	9	25	1
3218–5	Nut – Hex. Jam	16	32	2
3219–2	Nut	24	2	8
3219–2	Nut – Hex.	17	6	1
3219–14	Nut – Brass	8	2	6

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3220–3	Nut – Hex. Jam	14	21	1
3220–3	Nut – Jam	4	11	2
3220–3	Nut – Jam	2	21	4
3220–3	Nut – Jam	12	30	12
3220–5	Nut – Hex. Jam	12	36	3
3220–5	Nut – Hex. Jam	2	41	2
3220–5	Nut – Jam	4	13	1
3220–8	Nut	2	1	1
3220–12	Nut – Hex. Jam	12	34	3
3230–2	Carriage – Bolt	17	12	2
3230–16	Bolt – Carriage	15	34	4
3231–29	Bolt – Carriage	9	26	1
3232–13	Screw – Hex. Flange Hd.	19	34	2
3232–16	Bolt – Carriage	2	5	1
3234–4	Screw – Flange Hex. Hd.	11	27	1
3234–4	Screw – Hex. Flange Hd.	14	1	4
3234–4	Screw – Hex. Flange Hd.	8	12	1
3234–5	Screw – Hex. Flange Hd.	28	11	2
3234–11	Screw – Flange Hex. Hd.	9	20	2
3234–11	Screw – Flange Lock	11	13	4
3234–11	Screw – Hex. Flange Hd.	5	16	4
3234–11	Screw – Hex. Flange Hd.	8	43	1
3234–11	Screw – Hex. Hd.	15	27	3
3234–13	Screw – Hex Flange. Hd.	11	1	10
3234–13	Screw – Hex. Flange Hd.	1	10	4
3234–13	Screw – Hex. Flange Hd.	12	14	1
3234–13	Screw – Hex. Flange Hd.	5	14	1
3234–13	Screw – Hex. Flange Hd.	28	18	1
3234–13	Screw – Hex. Flange Hd.	16	33	2
3234–17	Screw – Hex. Hd.	6	16	4
3234–18	Screw – Hex. Flange Hd.	11	21	2
3234–18	Screw – Hex. Hd.	13	8	3
3234–21	Screw – Hex. Flange Hd.	15	23	2
3235–23	Screw – Hex. Hd.	11	22	4
3245–1	Screw – Set	16	9	4
3245–1	Screw – Set	15	35	2
3247–4	Screw – Socket Hd. Set	27	24	2
3249–11	Screw – Round Hd.	17	8	2
3250–16	Screw – Mach. Pan Hd.	30	34	2
3251–3	Screw – Mach. Rd. Hd.	8	14	4
3253–2	Washer – Lock	32	4	3
3253–2	Washer – Lock	31	31	3
3253–3	Washer – Lock	20	9	2
3253–3	Washer – Lock	15	22	2
3253–3	Washer – Lock	27	58	2
3253–4	Washer – Lock	15	10	4
3253–4	Washer – Lock	14	13	2
3253–4	Washer – Lock	16	21	2
3253–5	Washer – Lock	29	11	4
3253–6	Washer – Lock	31	2	1
3253–6	Washer – Lock	2	9	1
3253–6	Washer – Lock	13	18	4
3253–6	Washer – Lock	8	32	3
3253–7	Washer – Lock	9	14	2
3253–21	Washer – Lock	16	2	3
3253–21	Washer – Lock	15	13	1
3253–21	Washer – Lock	17	13	2
3253–21	Washer – Lock	8	35	1
3253–28	Washer – Lock	2	2	1
3254–1	Washer – Ext. Tooth	8	27	1
3254–1	Washer – Lock	32	17	1
3254–1	Washer – Lock	30	19	2
3254–8	Washer – Lock	8	3	2
3254–9	Washer – Int. Tooth	17	10	2
3255–7	Washer – Lock	11	34	1
3255–8	Washer – Lock	24	3	8
3255–9	Washer – Lock	9	17	1
3256–1	Washer – Flat	28	9	8
3256–1	Washer – Flat	33	16	2
3256–1	Washer – Flat	30	32	2
3256–1	Washer – Flat	27	35	1
3256–2	Washer – Flat	17	19	2
3256–3	Washer	11	35	1
3256–3	Washer – Flat	16	20	4
3256–3	Washer – Flat	28	25	4
3256–21	Washer – Flat	8	4	2
3256–22	Washer – Flat	1	4	8
3256–22	Washer – Flat	2	10	3
3256–22	Washer – Flat	8	21	1
3256–23	Washer – Flat	15	4	2
3256–23	Washer – Flat	33	6	1
3256–23	Washer – Flat	14	12	2
3256–23	Washer – Flat	33	13	4
3256–24	Washer – Flat	9	6	2
3256–26	Washer – Flat	16	4	1
3256–26	Washer – Flat	6	10	2
3256–26	Washer – Flat	2	37	2
3256–28	Washer – Flat	12	26	3
3256–41	Washer – Flat	13	10	3
3256–41	Washer – Flat	14	19	1
3257–5	Key – Woodruff	15	11	1
3257–5	Key – Woodruff	18	11	2
3257–5	Key – Woodruff	16	24	2
3258–19	Screw – Machine	7	15	2
3269–16	Rivet – Pop	5	11	4
3269–16	Rivet – Pop	1	21	4
3272–5	Pin – Cotter	14	15	1
3272–5	Pin – Cotter	2	22	3
3272–6	Pin – Cotter	20	3	1
3272–10	Pin – Cotter	16	3	1
3272–10	Pin – Cotter	4	3	4
3272–10	Pin – Cotter	2	25	3
3272–13	Pin – Cotter	12	23	2
3272–17	Pin – Cotter	19	30	2
3272–23	Pin – Cotter	19	1	6
3274–18	Screw – Cap Soc. Hd.	27	34	2
3274–31	Screw – Cap Button Hd.	9	18	3
3290–134	Screw – Mach. Hex. Hd.	9	9	4
3290–211	Washer – Lock	1	8	4
3290–357	Nut – Flange Lock	15	2	6
3290–357	Nut – Flange Lock	11	11	4
3290–357	Nut – Flange Lock	9	16	1
3290–378	Tie – Cable	19	7	3
3290–378	Tie – Cable	11	17	3
3290–378	Tie – Cable	8	19	1
3290–378	Tie – Cable	16	35	1
3290–378	Tie – Cable	2	36	1
3290–433	Retainer – Grip Nut	9	24	1
3296–2	Nut – Lock	9	27	4
3296–5	Nut – Lock	14	16	1
3296–5	Nut – Lock	1	17	2
3296–15	Nut – Lock	12	1	1
3296–16	Nut – Lock	11	3	1
3296–29	Nut – Lock	15	3	2
3296–29	Nut – Lock	9	3	4
3296–29	Nut – Lock	17	20	3

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3296–33	Nut – Lock	15	32	1
3296–33	Nut – Lock	2	42	1
3296–39	Nut – Lock	9	1	5
3296–39	Nut – Lock	6	14	2
3296–42	Nut – Lock	17	1	4
3296–42	Nut – Lock	9	19	3
3296–42	Nut – Lock	8	38	2
3296–44	Nut – Lock	12	4	2
3296–49	Nut – Lock	12	8	1
32104–17	Screw – Flange Hex. Hd.	14	26	1
32104–60	Screw – Flange Hex. Hd.	8	1	1
32104–116	Screw – Flange Hex. Hd.	8	7	2
32104–116	Screw – Flange Hex. Hd.	14	8	1
32107–11	Nut – Square	7	18	2
32120–72	Ring – Retaining	16	27	1
32121–4	Pin – Roll	5	22	1
32121–6	Pin – Roll	4	7	1
32121–6	Pin – Roll	5	21	1
32121–10	Pin – Roll	2	19	1
32121–15	Pin – Roll	25	35	1
32121–18	Pin – Roll	5	24	1
32121–31	Pin – Roll	14	6	2
32121–34	Pin – Roll	15	39	1
32121–73	Pin – Roll	20	14	1
32121–91	Pin	18	14	3
32121–119	Pin – Roll	15	40	1
32128–19	Nut – Flange	1	7	2
32128–20	Nut	6	11	4
32128–20	Nut – Hex. Flange	7	19	4
32128–33	Nut – Hex. Flange	2	13	1
32128–33	Nut – Hex. Flange	1	14	4
32128–33	Nut – Hex. Flange Hd.	20	10	4
32128–33	Nut – Hex. Flange Hd.	5	17	1
32128–49	Nut – Hex. Flange	4	12	2
32136–5	Nut – Hex. Castle	12	25	2
32140–94	Screw – Self Tap. Hex. Hd.	1	5	8
32144–10	Screw – Hex. Self Tap	2	33	1
32144–11	Screw – Self Tap. Hex. Hd.	14	14	2
32149–2	Nut – Lock	20	4	2
32149–2	Nut – Lock	11	25	1
32149–7	Nut – Keps	8	22	4
32151–36	Ring – Retaining	12	16	3
32151–46	Ring – Retaining	18	1	2
32152–5	Nut – Lock	16	14	6
32152–10	Nut – Jam	22	2	1
340–77	90° Elbow	19	2	1
340–125	Fitting – Tee, Adjustment	19	36	1
351–78	Edging	6	6	1
353–428	Elbow – Male 90°	11	6	1
353–536	Elbow – 90°	13	1	3
353–565	Fitting – Connector	19	26	1
353–567	Fitting – Tee, Male	19	25	1
353–705	45° Elbow	13	4	1
353–714	Elbow – Male 45°	11	12	1
354–18	Fitting – Hose Barb	25	32	1
354–24	Fitting	19	21	1

*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 Groundsmaster 220 has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Groundsmaster 220, 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 Groundsmaster 220.
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.

TABLE OF CONTENTS

Description	Page
Hood Assembly	1
Pedals & Steering Wheel Assembly	2
Steering Gear Assembly No. 41-8820	3
Traction Pedal Assembly	4
Seat Mount	5
Seat Assembly	6
Air Cleaner	7
Instrument Panel & Steering Post	8
Engine Mounts, Battery & Rear Weight	9
Electrical Schematic	10
Engine Assembly	11
Rear Axle Assembly	12
Fuel Tank and Axle Assembly	13
Power Take–Off Lever Assembly	14
Power Take–Off Assembly	15
Transmission & Drive Coupling Assembly	16
Transmission Interlock Assembly	17
Transmission Assembly No. 49–7910	18
Hydraulic Valve & Lift Arm Cylinders	19
Valve & Lever Assembly	20
Valve Assembly No. 43–1700	21
Hydraulic Cylinder No. 68–9700	22
Brake Assembly	23
Differential Assembly	24
Cylinder Block Assembly	26
Engine Air Housing	28
Oil Base & Fuel Pump	29
Ignition Control Assembly	30
Blower & Crankshaft Assembly	31
Air Cleaner & Choke Assembly	32
Carburetor Assembly	33
Starter Assembly	34
Part Number Index	35
Optional Equipment	
52 Cutting Deck Model No. 30652	
62 Cutting Deck Model No. 30662	
Kit, Blower Model No. 30502, 52"	
(Requires Hopper Kit)	
Kit, Blower Model No. 30503, 62"	
(Requires Hopper Kit)	
Kit, Hopper 9 cu.ft. Model No. 30504 52 / 62 "	
Cutting Units (Requires Blower Kit)	
Leaf Mulcher Model No. 30700 For 52C/U	
Leaf Mulcher Model No. 30792 For 62C/U	
Tire Chains Part No. 28–5470	
Wheel Weight Model No. 30762	
Rear Weight Part No. 24–2790	
Spark Arrestor Part No. 46–2390	
Kit, Deluxe Seat Conversion Model No. 30705	
V–Plow 48 For Snow Removal, Model No. 30750	
Kit ,V–Plow Mounting Model No. 30749	
(Required For V–Plow)	

MAINTENANCE RECORD

Date								