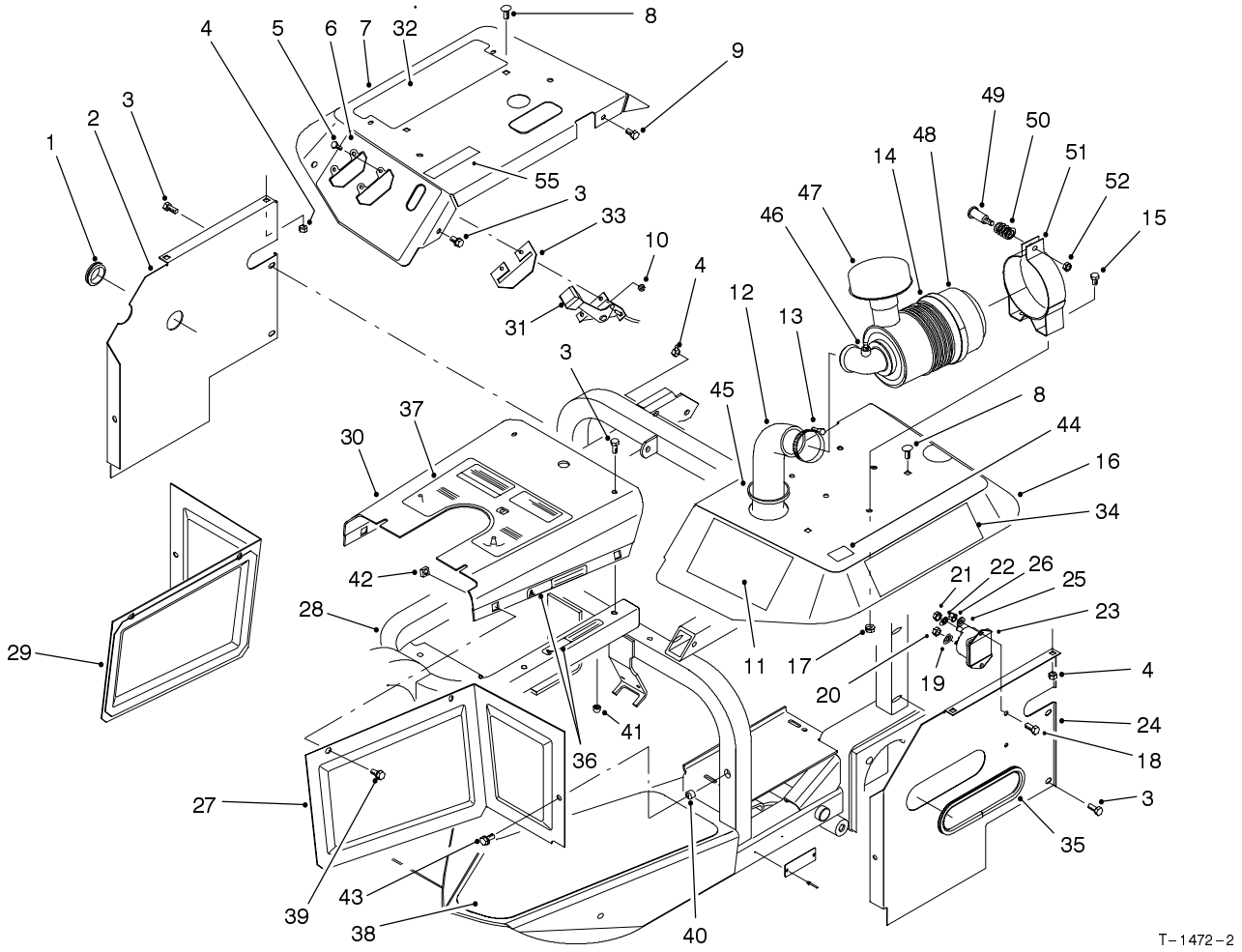
FORM NO. 3319–490

TORO®

MODEL NO. 08881–70400 & UP
MODEL NO. 08881TE–70200 & UP

PARTS CATALOG

SAND PRO® 5000

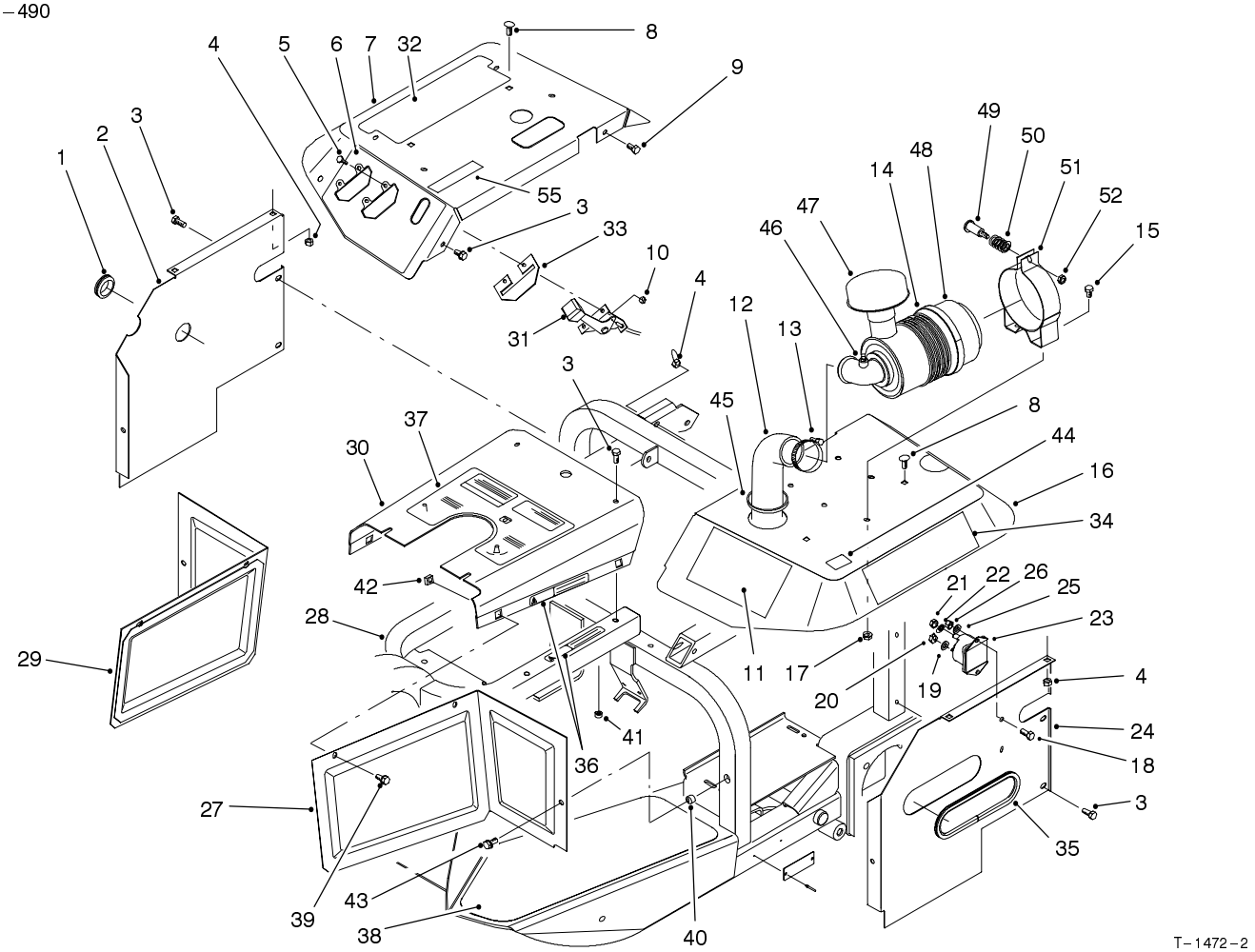


BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	240–3	Grommet	1
2	98–0902	Panel – R.H. Rear	1
3	32144–11	Screw – Cap Hex. Hd.	8
4	3296–29	Nut – Lock	6
5	32105–13	Screw – Cap Hex. Hd.	4
6	85–8820	Decal – Control	1
6	93–9055	Decal – Control (Europe)	1
6	92–1855	Decal – Control (Japanese)	1
7	98–0904	Fender – R.H.	1
8	3230–18	Bolt – Carriage	4
9	322–2	Screw – Cap Hex. Hd.	2
10	3296–2	Nut – Lock	4
11	85–8840	Decal – Warning	1
11	93–9053	Decal – Warning (Europe)	1
11	92–1865	Decal – Warning (Japanese)	1
12	92–8977	Hose – Air Cleaner	1

Ref. No.	Part No.	Description	No. Used
13	2412–130	Clamp – Hose	2
14	93–2190	Air Cleaner Assembly (Incl. Ref. #46, 48 & 53–54)	1
15	322–1	Screw – Cap Hex. Hd.	2
16	94–6044	Fender Assembly L.H. (Incl. Ref. #11)	1
17	32128–20	Nut – Flange Lock	2
18	321–3	Screw – Cap Hex. Hd.	2
19	3254–1	Washer – Lock	2
20	3219–14	Nut – Hex.	2
21	3218–13	Nut – Hex.	2
22	3254–2	Washer – Lock	2
23	28–4210	Solenoid – Starter	1
24	98–0903	Panel – Rear L.H.	1
25	3256–22	Washer – Flat	2
26	3296–8	Nut – Lock	2

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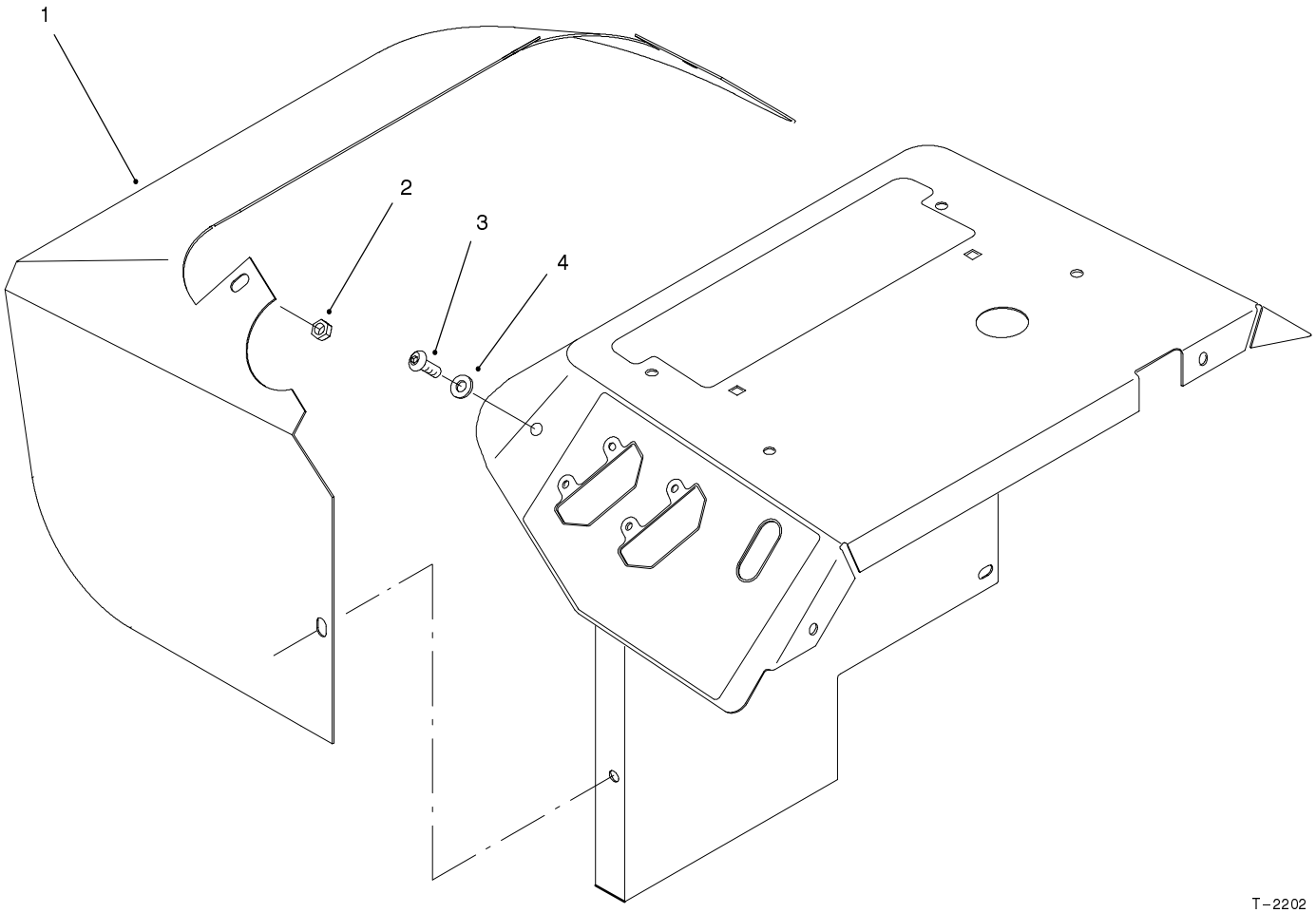


BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
27	85–9680	Panel – Front L.H.	1
28	85–7600	Frame Assembly (Incl. Ref. #41)	1
29	85–8490	Panel – Front R.H.	1
30	88–8130	Top Panel Assembly (Incl. Ref. #36, 37 & 42)	1
31	85–9310	Control – Throttle & Choke	2
32	80–2150	Pad – Litterbox	1
33	85–9190	Plate – Control	1
34	85–8800	Decal – Sand Pro 5000	2
*	88–8490	Decal – Infield Pro 5000	2
35	88–8340	Trim – Panel	1
36	85–8880	Decal – Danger	3
36	93–9052	Decal – Danger (Europe)	3
36	92–1875	Decal – Danger (Japanese)	3
37	95–5829	Decal – Operating	1
37	93–9050	Decal – Operating (Europe)	1
37	92–1850	Decal – Operating (Japanese)	1
38	85–8790	Tread – Floor L.H.	1

Ref. No.	Part No.	Description	No. Used
*	85–8780	Tread – Floor R.H.	1
39	3234–7	Screw – Hex. Flange Hd.	4
40	32148–8	Nut – Clinch	2
41	32148–11	Nut – Clinch	3
42	3290–496	Nut – Retaining	4
43	3234–29	Screw – Hex. Flange Hd.	2
44	93–7252	Decal – CE Mark (Europe)	1
45	237–164	Grommet – Rubber	1
46	285–17	Plug	1
47	46–7510	Hood – Air Inlet	1
48	94–3652	Cover Assembly	1
49	94–3653	Bolt	1
50	94–3654	Spring – Compression	1
51	93–2191	Mounting Band Assembly (Incl. Ref. #49, 50 & 52)	1
52	48–9510	Nut – Lock	1
*53	94–1414	Valve	1
*54	93–2195	Element – Air Cleaner	1
55	93–7442	Decal – Parking Lever	1

*Not Illustrated

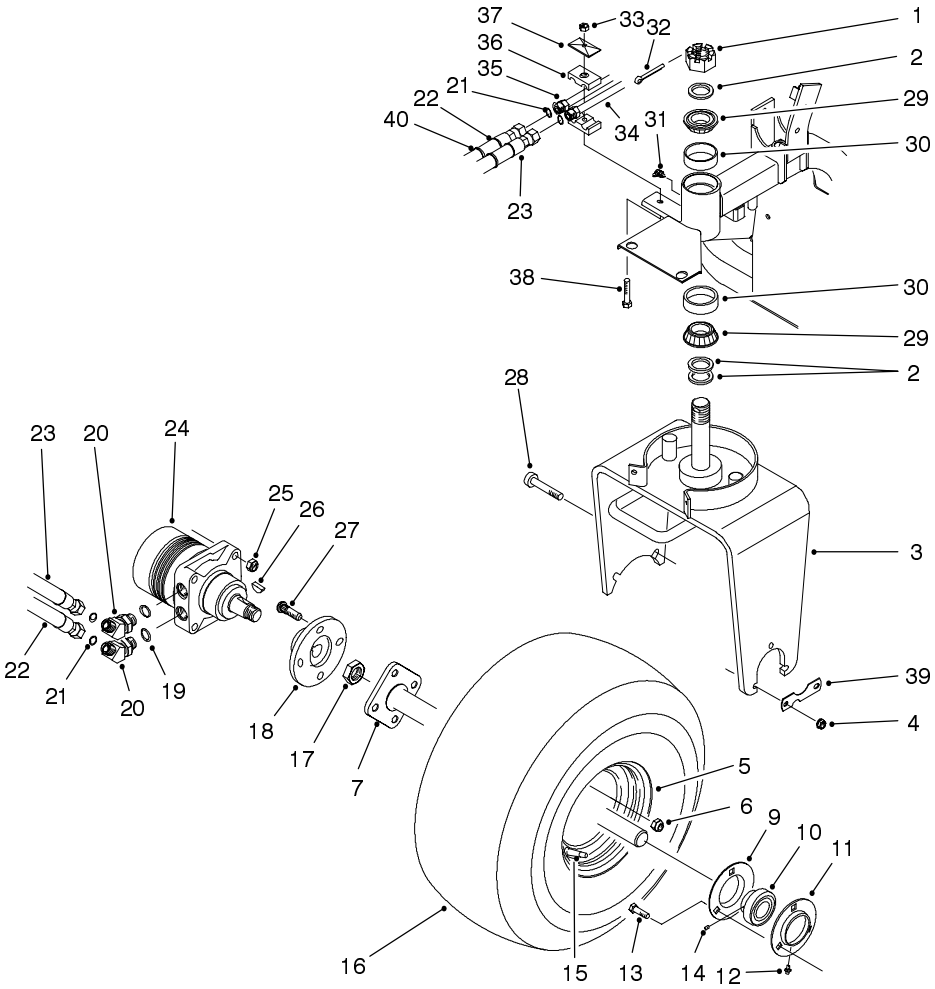


T−2202

FENDER EXTENSION ASSEMBLY (EUROPE)

Ref. No.	Part No.	Description	No. Used
1	94−1890	Fender Extension − R.H.	1
*	94−1889	Fender Extension − L.H.	1
2	3296−29	Nut − Lock	8
3	3274−55	Screw − Hex. Socket Hd.	8
4	3256−70	Washer − Flat	16

*Not Illustrated

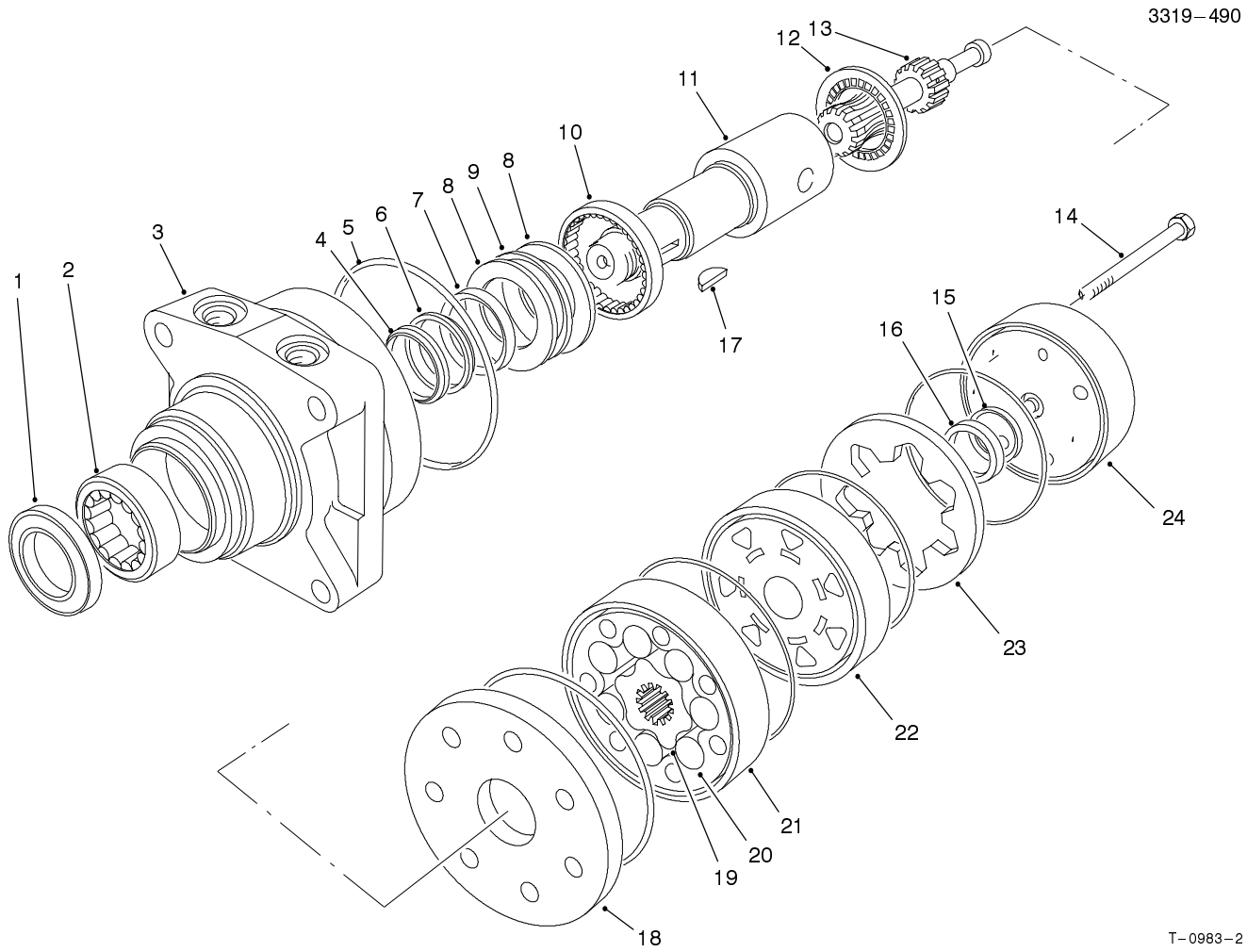


T–1468

FRONT WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32136–9	Nut – Slotted	1
2	18–6320	Washer	3
3	95–5830	Fork – Steering	1
4	3296–39	Nut – Lock	3
5	94–6116	Rim	1
6	242–50	Nut – Lug	4
7	92–8969	Shaft – Axle	1
9	85–8950	Flange – Bearing	1
10	251–352	Bearing Assembly (Incl. Ref. #14)	1
11	85–8940	Flange – Bearing Lube (Incl. Ref. #12)	1
12	302–5	Fitting – Grease	1
13	323–29	Screw – Cap Hex. Hd.	3
14	251–352	Screw – Set	2
15	232–35	Valve – Stem	1
16	85–8290	Tire	1
17	26–3790	Nut – Lock	1
18	93–6838	Hub	1
19	237–80	Seal – O–Ring	2
20	340–89	Fitting – Hydraulic 45° (Incl. Ref. #19 & 21)	2
21	237–30	Seal – O–Ring	4

Ref. No.	Part No.	Description	No. Used
22	85–9640	Hose – Hydraulic	1
23	85–9630	Hose – Hydraulic	1
24	75–9830	Hydraulic Motor Assembly (Incl. Ref. #26)	1
25	3296–23	Nut – Lock	2
26	3257–42	Key – Woodruff	1
27	10–6830	Stud – Drive	4
28	3274–93	Screw – Hex. Socket Hd.	2
29	254–70	Cone – Bearing	2
30	254–61	Cup – Bearing	2
31	302–60	Fitting – Grease	1
32	3272–37	Pin – Cotter	1
33	3296–8	Nut – Lock	1
34	85–9360	Tube – Hydraulic (Incl. Ref. #21)	1
35	85–9370	Tube – Hydraulic (Incl. Ref. #21)	1
36	56–7976	Clamp – Tube	1
37	69–9760	Plate – Cover	1
38	321–10	Screw – Cap Hex. Hd.	1
39	88–8350	Tab – Bearing	1
40	3290–378	Tie – Cable	2

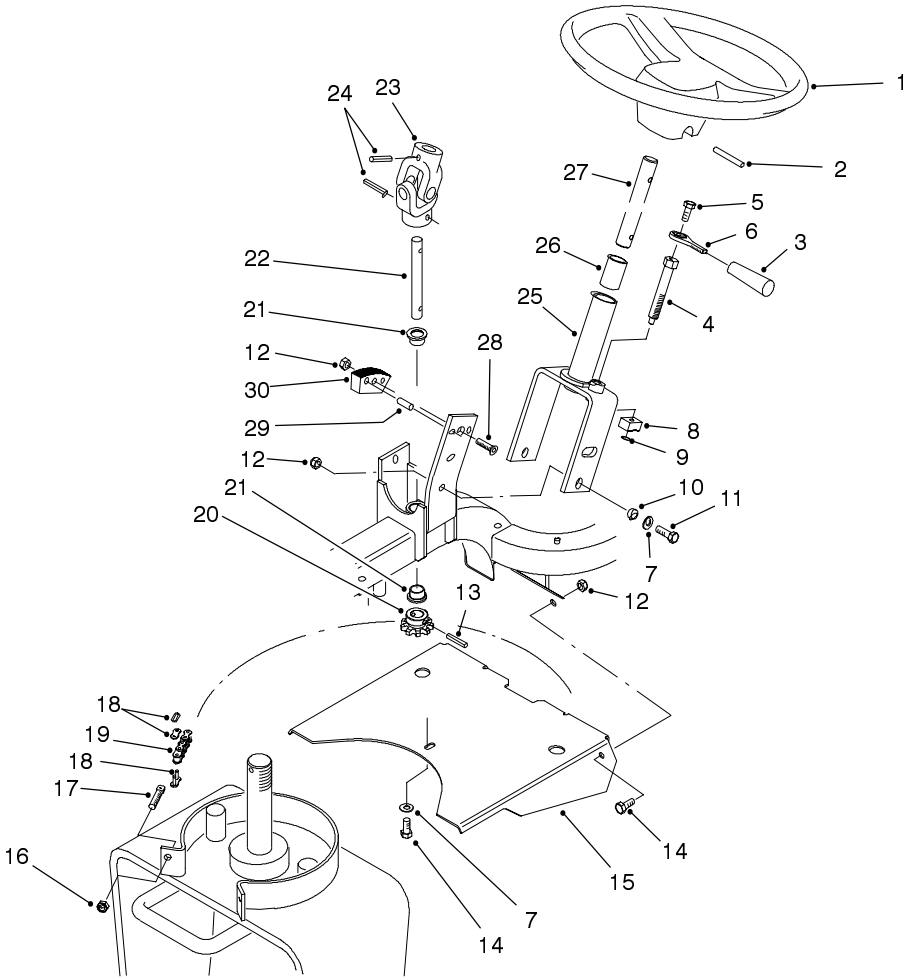


FRONT HYDRAULIC DRIVE MOTOR NO. 75–9830

Ref. No.	Part No.	Description	No. Used
1		Seal – Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer – Backup	1
5		Seal – Rings	5
6		Washer – Backup	1
7		Seal – Inner	1
8		Washer – Thrust	2
9		Bearing – Thrust	1
10		Bearing	1
11	76–0860	Shaft – Coupling	1
12	76–0850	Bearing – Thrust	1
13	76–0930	Link – Drive	7
14	76–1030	Screw – Cap, Hex. Hd.	1
15		Seal – Commutator	1
16		Commutator	1

Ref. No.	Part No.	Description	No. Used
17	3257–42	Key – Woodruff	1
18	76–0870	Plate – Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1
22	76–0840	Manifold	1
23		Ring – Commutator	1
24	76–0940	Assembly – Cover, End	1
*	76–0950	Rotor Set (Incl. Ref. #19–21)	1
*	76–0880	Assembly – Commutator (Incl. Ref. #15, 16 & 23)	1
*	94–8178	Kit – Seal (Incl. Ref. #1, 4–7 & 15)	1
*	76–0810	Assembly – Housing (Incl. Ref. #2, 3 & 8–10)	1

*Not Illustrated

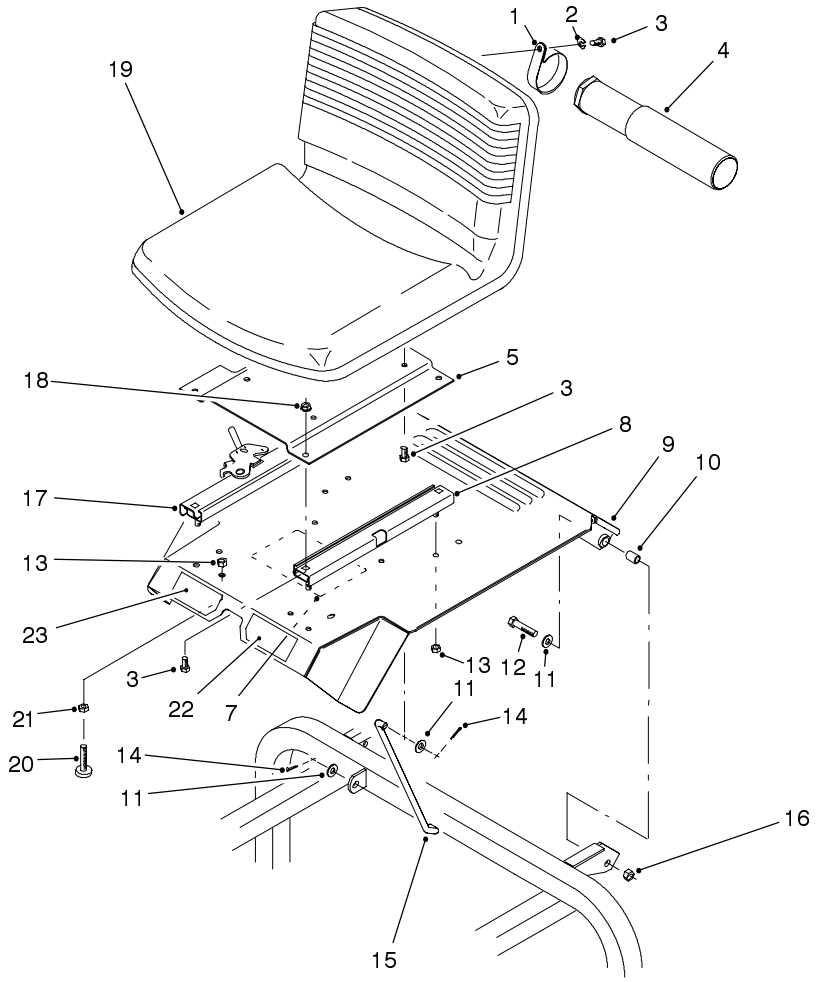


T–1471–2

STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	76–1420	Wheel – Steering	1
2	32121–111	Pin – Roll	1
3	233–39	Handle	1
4	94–4514	Pin – Tilt Lock	1
5	322–43	Screw – Cap Hex. Hd.	1
6	88–8280	Lever – Steering Adjust	1
7	3256–23	Washer – Flat	4
8	88–8530	Block – Lock Upper	1
9	94–4513	Ring – Retaining	1
10	85–9120	Spacer	3
11	322–5	Screw – Cap Hex. Hd.	3
12	3296–29	Nut – Lock	6
13	32121–112	Pin – Roll	1
14	322–3	Screw – Cap Hex. Hd.	3
15	85–8970	Shield – Chain	1
16	3296–4	Nut – Lock	2

Ref. No.	Part No.	Description	No. Used
17	18–6380	Bolt – Adjustment	2
18	2710–11	Link – Connecting	2
19	85–8030	Chain	1
20	85–9180	Sprocket	1
21	65–8770	Bushing – Flange	2
22	85–9210	Shaft – Steering Lower	1
23	85–9200	Joint – Universal	1
24	32121–15	Pin – Roll	2
25	88–8290	Steering Column Assembly (Incl. Ref. #26)	1
26	256–185	Bushing – Sleeve	1
27	85–9220	Shaft – Steering Upper	1
28	3289–24	Screw – Socket Flat Hd.	1
29	88–8510	Dowel	2
30	88–8520	Block – Lock Lower	1



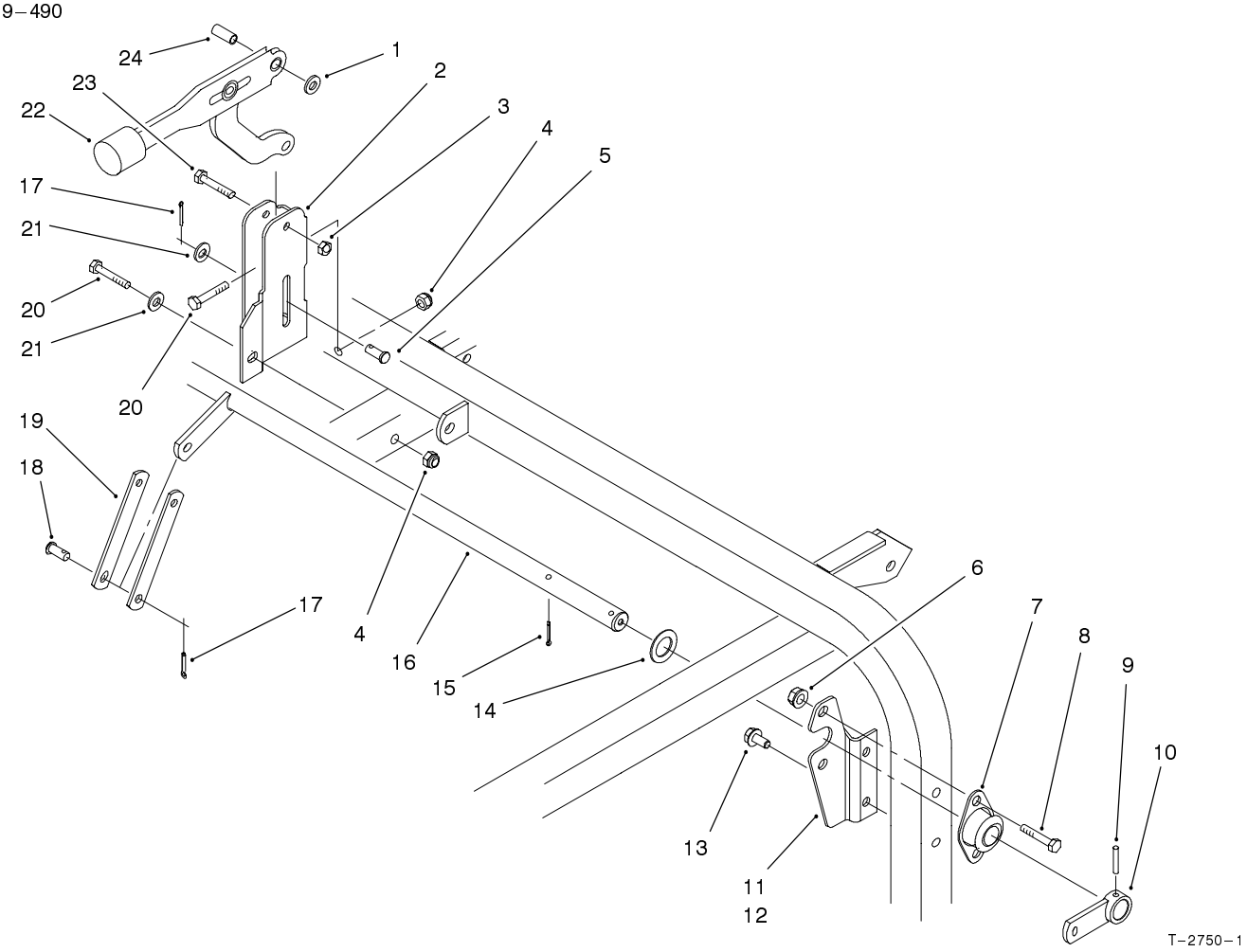
T–1470–2

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412–133	Clamp – R	2
2	3253–4	Washer – Lock	2
3	322–2	Screw – Cap Hex. Hd.	10
4	74–0720	Tube – Manual	1
5	85–9660	Plate – Seat	1
7	95–0639	Decal – Service	1
7	93–9057	Decal – Service (Danish)	1
7	93–9058	Decal – Service (Dutch)	1
7	93–9059	Decal – Service (Finnish)	1
7	93–9060	Decal – Service (Italian)	1
7	93–9061	Decal – Service (Norwegian)	1
7	93–9062	Decal – Service (Portuguese)	1
7	92–1871	Decal – Service (French)	1
7	92–1872	Decal – Service (Spanish)	1
7	92–1873	Decal – Service (German)	1
7	92–1874	Decal – Service (Swedish)	1

Ref. No.	Part No.	Description	No. Used
7	92–1870	Decal – Service (Japanese)	1
8	51–0780	Slide – Seat Adjust	1
9	85–9230	Support – Seat	1
10	85–0290	Spacer – Seat Support	2
11	3256–24	Washer – Flat	4
12	323–9	Screw – Cap Hex. Hd.	2
13	3296–29	Nut – Lock	6
14	3274–4	Pin – Cotter	2
15	85–9320	Rod – Seat Prop	1
16	3296–39	Nut – Lock	2
17	51–0790	Slide – Seat Adjust	1
18	32128–20	Nut – Flange Lock	4
19	92–8976	Seat	1
20	32141–36	Screw – Leveling	2
21	3218–2	Nut – Jam	2
22	88–8630	Decal – 2 Wheel Drive	1
23	92–2335	Decal – 3 Wheel Drive	1

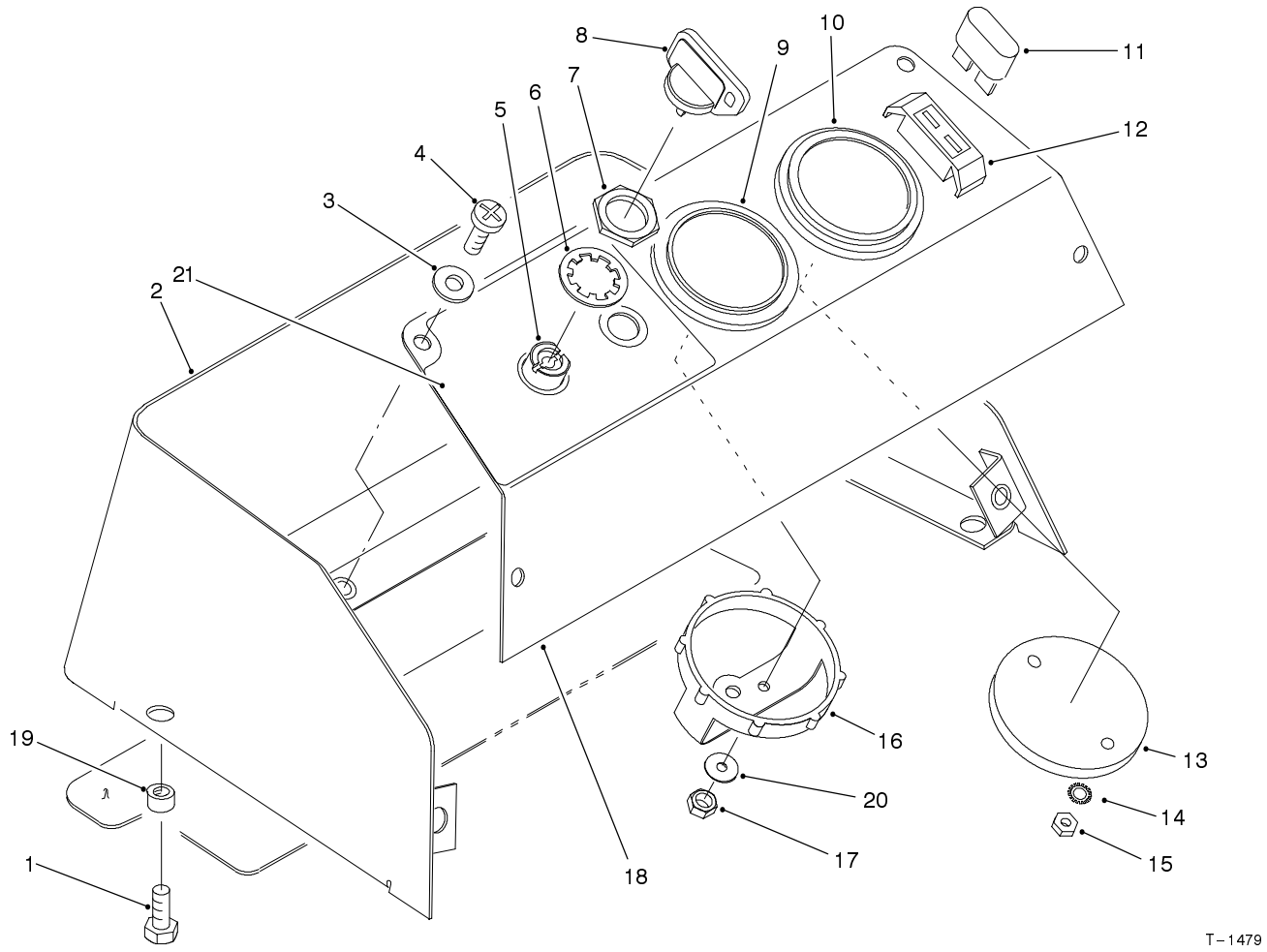
3319–490



PARKING BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290–477	Washer – Curved	1
2	95–5823	Bracket – Lever	1
3	3296–42	Nut – Hex. Lock	1
4	3296–29	Nut – Hex. Lock	2
5	238–14	Pin – Clevis	1
6	3296–39	Nut – Hex. Lock	4
7	27–2320	Bearing – Side Flange	2
8	3234–1	Screw – Hex. Head Flange	4
9	32121–6	Pin – Roll	2
10	83–9310	Arm – Brake	2
11	98–0900	Bracket – Bearing LH	1
12	98–0901	Bracket – Bearing RH	1

Ref. No.	Part No.	Description	No. Used
13	32144–14	Screw – Hex. Washer Head	4
14	67–9410	Washer – Flat	2
15	3272–12	Pin – Cotter	2
16	95–5848	Rod – Traverse	1
17	3272–10	Pin – Cotter	2
18	283–62	Pin – Clevis	1
19	95–5844	Strap	2
20	322–11	Screw – Hex. Head	2
21	3256–23	Washer – Flat	2
22	87–2710	Lever Assembly	1
23	321–9	Screw – Hex. Head	1
24	87–4710	Spacer – Parking Brake	1

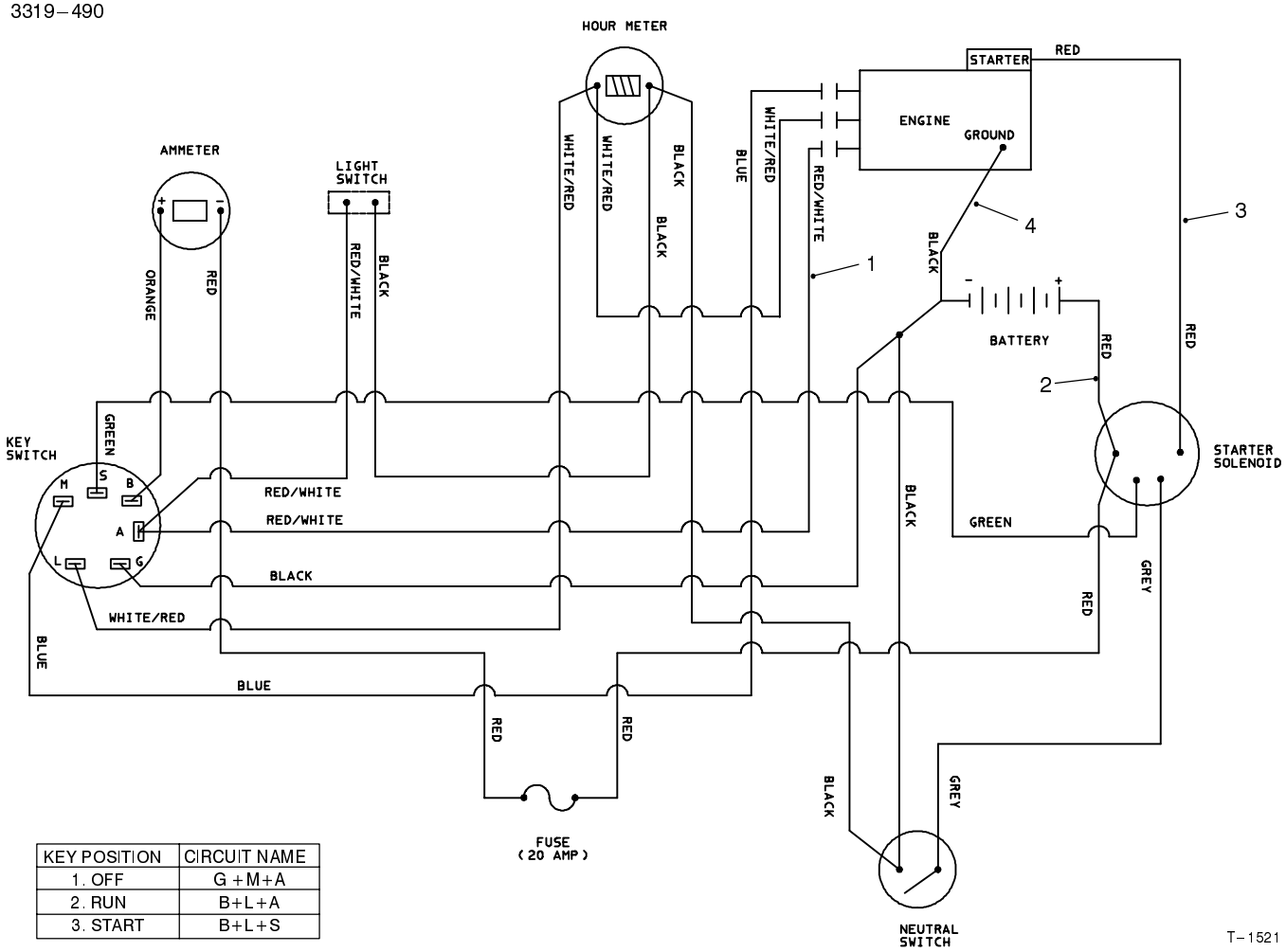


T–1479

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321–3	Screw – Cap Hex. Hd.	4
2	85–9070	Console Assembly (Incl. Ref. #19)	1
3	3256–1	Washer – Flat	4
4	3258–166	Screw – Phillips Hd.	4
5	83–0020	Ignition Switch Assembly (Incl. Ref. #6–8)	1
6	3254–5	Washer – Lock	1
7	218–461	Nut – Lock	1
8	63–8360	Key – Ignition	1
9	83–0820	Ammeter Assembly (Incl. Ref. #16–17 & 20)	1
10	66–2950	Hour Meter Assembly (Incl. Ref. #13–15)	1
11	218–594	Fuse – 20 Amp	2
12	80–2120	Wire Harness Assembly (Incl. Ref. #11)	1

Ref. No.	Part No.	Description	No. Used
13		Clamp – Hour Meter	1
14	3255–20	Washer – E.T.L.W.	2
15	3217–25	Nut – Hex	2
16	39–9600	Clamp – Ammeter	1
17	3219–14	Nut – Hex.	2
18	85–8890	Panel – Console	1
19	32148–6	Nut – Clinch	8
20		Washer – Flat	1
21	85–8830	Decal – Console	1
21	93–9056	Decal – Console (Europe)	1
21	92–1860	Decal – Console (Japanese)	1
*	3290–378	Tie – Cable (For Wire Harness)	3
*	3290–509	Mount – Tie (For Wire Harness)	3
*	3274–31	Screw – Hex. Socket Hd. (For Wire Harness)	3

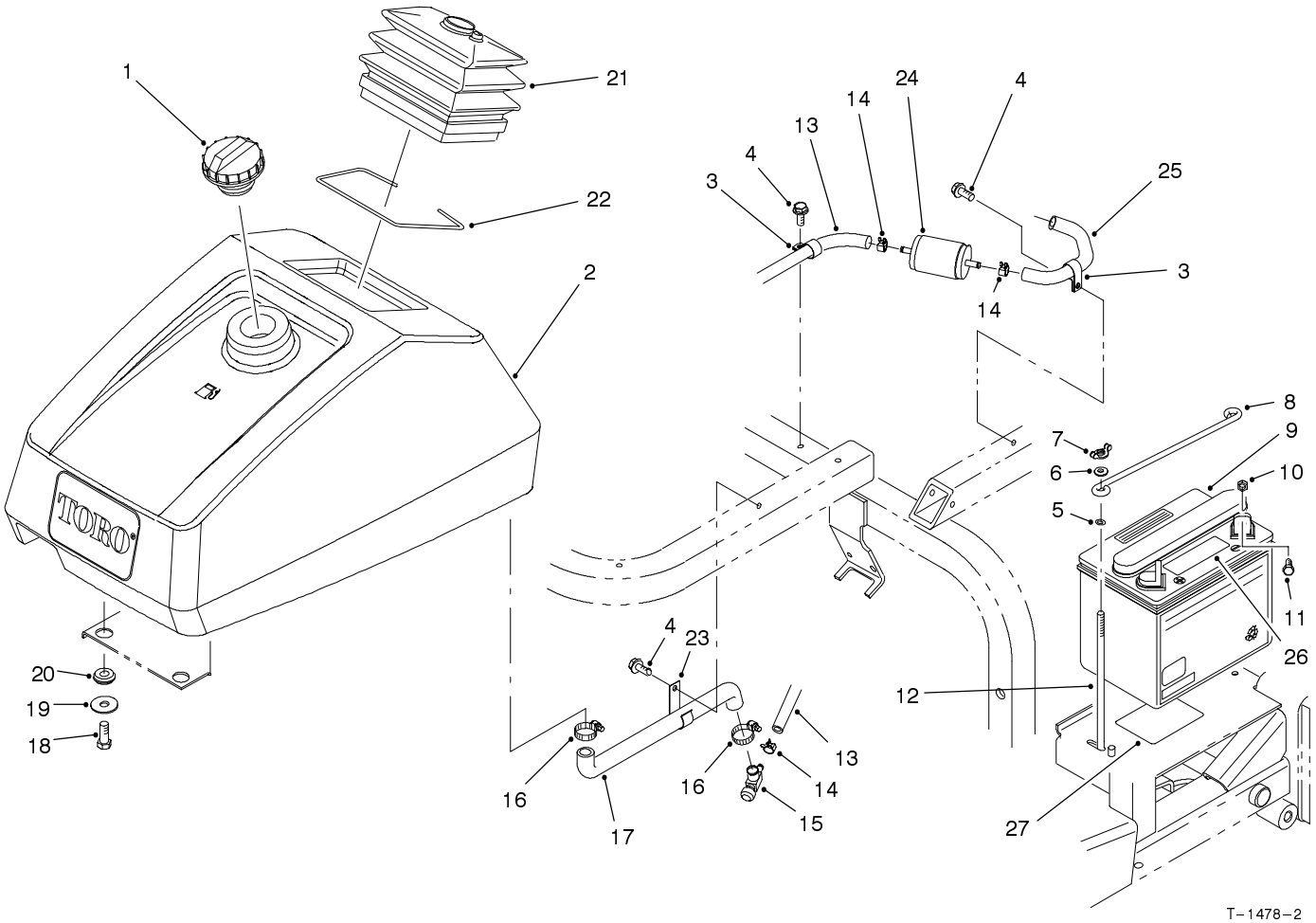


KEY POSITION	CIRCUIT NAME
1. OFF	G+M+A
2. RUN	B+L+A
3. START	B+L+S

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	80–2120	Wire Harness – Main	1
2	80–2110	Cable – Solenoid–Starter	1

Ref. No.	Part No.	Description	No. Used
3	83–2420	Cable – Positive	1
4	88–8330	Cable – Engine Ground	1

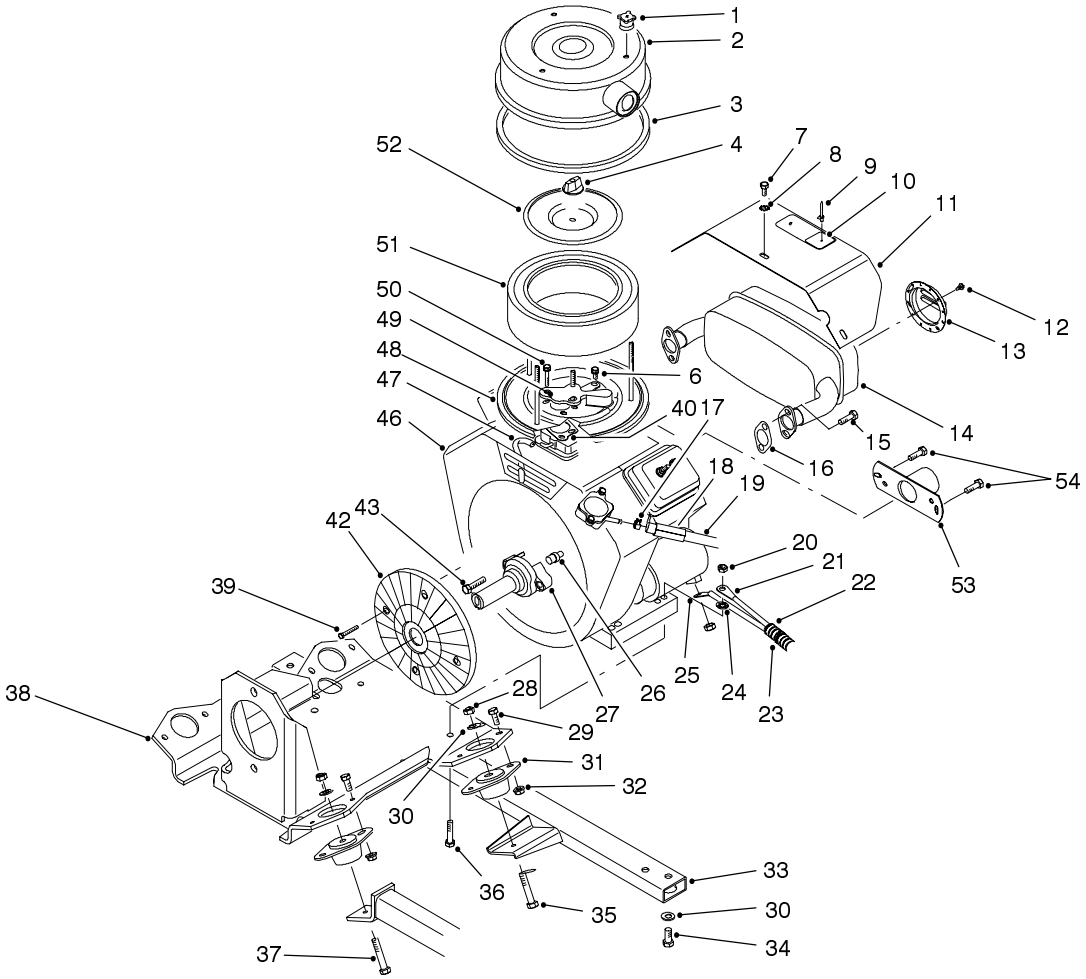


T–1478–2

FUEL TANK & BATTERY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93–3101	Cap – Fuel	1
1	93–7170	Cap – Fuel (Europe)	1
2	92–8958	Tank – Fuel	1
3	2412–93	Clamp – R	2
4	32144–11	Screw – Self Tapping	3
5	237–143	Grommet	2
6	3256–22	Washer – Flat	2
7	32103–12	Nut – Wing	2
8	72–4790	Hold–Down – Battery	1
9	92–1678	Battery	1
10	3217–5	Nut – Hex.	2
11	321–3	Screw – Cap Hex. Hd.	2
12	56–7720	Rod – Battery Hold–Down	2
13	21–2480	Hose – Fuel	1

Ref. No.	Part No.	Description	No. Used
14	2412–98	Clamp – Hose	3
15	83–1390	Fitting – Fuel Shut–Off	1
16	2412–36	Clamp – Hose	2
17	85–9140	Hose – Fuel	1
18	323–5	Screw – Cap Hex. Hd.	4
19	63–8410	Washer – Flat	4
20	240–11	Grommet	4
21	85–9010	Boot – Steering	1
22	85–8930	Retainer – Boot	1
23	2412–109	Clip – J	1
24	94–2690	Filter – Fuel	1
25	47–2964	Hose – Fuel	1
26	93–7276	Decal – Danger	1
27	93–6668	Decal – Battery	1



T–1474–2

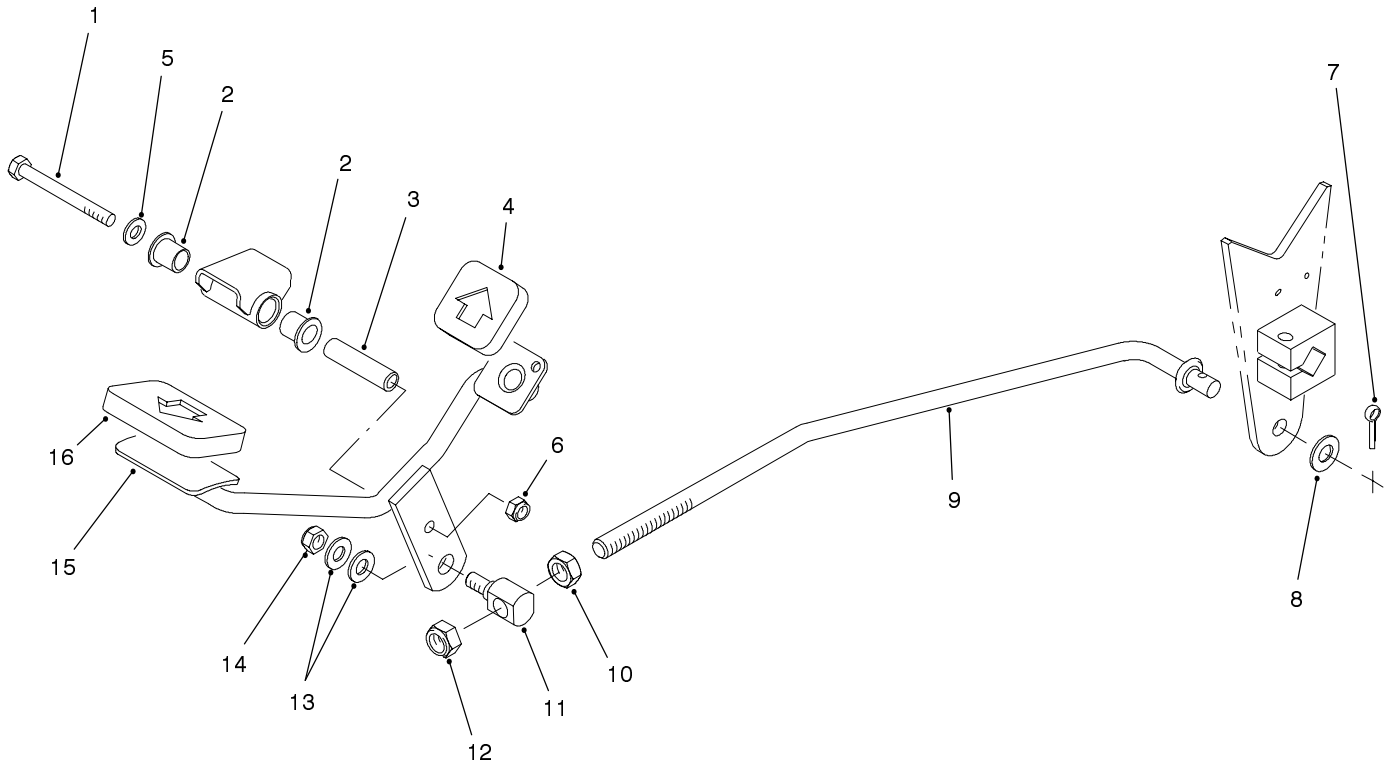
ENGINE & MUFFLER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
†1	281051	Knob – Air Cleaner	3
2	85–8370	Cover – Air Cleaner	1
3	85–8360	Seal – Cover	1
†4	491875	Knob – Air Cleaner	1
†6	805406	Screw – Hex. Flange Hd.	3
7	48–7620	Screw – Cap Hex. Hd.	3
8	3255–7	Washer – ETLW	3
9	3269–32	Rivet – Pop	2
10	80–8290	Plate – Hot Surface	1
10	95–0645	Decal – Hot (Europe)	1
10	83–6140	Plate – Hot (Japanese)	1
11	95–5827	Muffler Shield Assembly (Incl. Ref. #9 & 10)	1
12	83–2230	Screw	4
13	83–2220	Deflector – Exhaust	1
14	80–2060	Muffler	1
†15	805158	Screw	4
†16	805023	Gasket – Exhaust	2
17	2412–98	Clamp – Hose	1
18	38–3400	Guard – Rubber	1
19	47–2964	Hose – Fuel	1
20	3296–29	Nut– Lock	4
21	88–8330	Cable – Negative	1
22	88–8390	Cover – Cable	1
23	3290–378	Tie – Cable	2
24	3254–2	Washer – ITLW	1
25	83–2420	Cable – Positive	1
†26	805613	Pin – Pilot	1

Ref. No.	Part No.	Description	No. Used
†27	262680	Shaft – Stub	1
28	3296–39	Nut – Lock	4
29	322–4	Screw – Cap Hex. Hd.	8
30	3256–24	Washer – Flat	8
31	83–1031	Mount – Engine	4
32	3296–29	Nut – Lock	8
33	85–8600	Support – Engine	1
34	323–33	Screw – Cap Hex. Hd.	4
35	323–10	Screw – Cap Hex. Hd.	2
36	322–9	Screw – Cap Hex. Hd.	4
37	323–11	Screw – Cap Hex. Hd.	2
38	85–8640	Base – Engine	1
†39	805447	Screw – Cap Hex. Hd.	4
†40	805655	Gasket – Carburetor	1
†42	808034	Screen – Rotating	1
†43	093847	Screw – Cap Hex. Hd.	2
46	85–8000	Engine Assembly	1
47	75–4705	Hose – Fuel	1
48	85–8430	Base – Air Cleaner	1
†49	807797	Shield – Carburetor Inlet	1
†50	805057	Screw – Cap Hex. Hd.	2
†51	394018	Element – Air Cleaner	1
†52	805631	Plate – Element	1
53	95–0632	Cover	1
54	3210–2	Screw – Cap Hex. Hd.	2
*	83–2240	Arrester – Spark (Optional)	1

*Not Illustrated

†Contact your local Briggs & Stratton Dealer for part replacement.

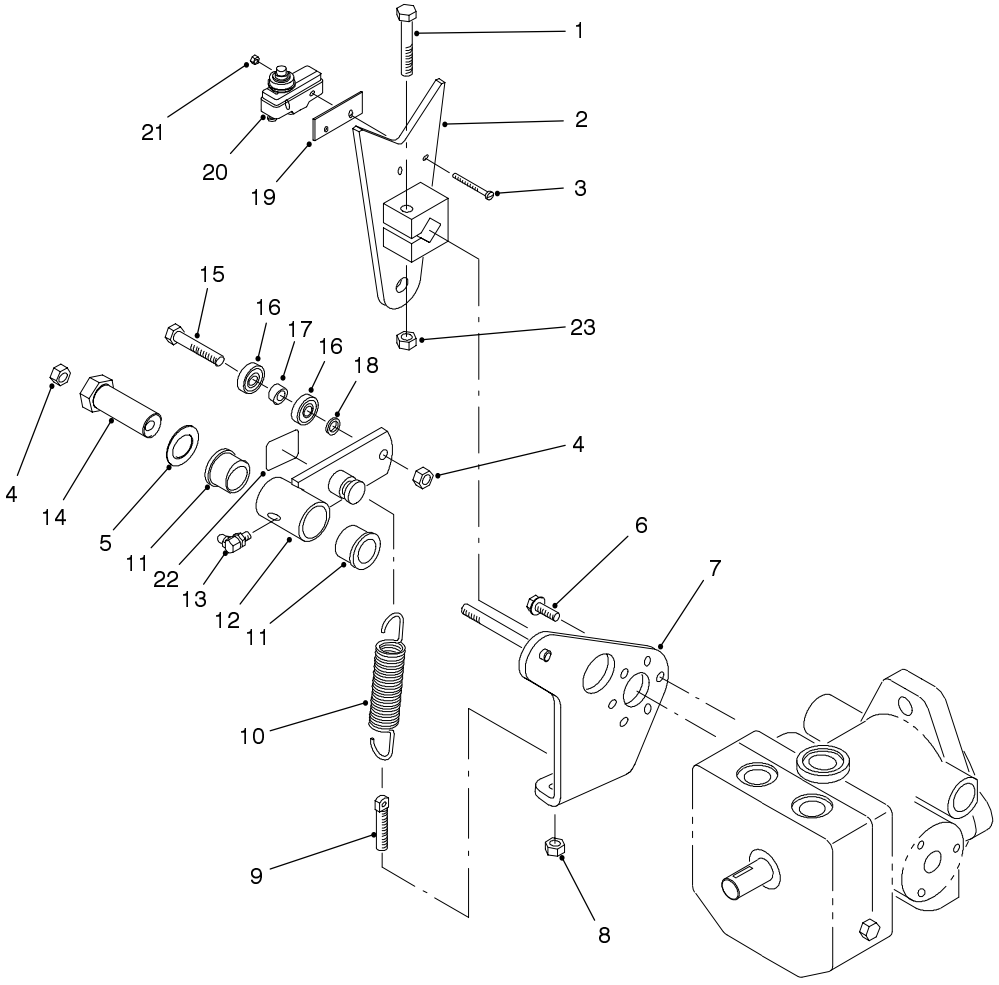


T–1476

TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322–14	Screw – Cap Hex. Hd.	1
2	256–219	Bushing – Flange	2
3	85–8960	Spacer	1
4	74–9110	Pad – Reverse	1
5	3256–23	Washer – Flat	1
6	3296–29	Nut – Lock	1
7	3272–16	Pin – Cotter	1
8	3256–26	Washer – Flat	1

Ref. No.	Part No.	Description	No. Used
9	85–8450	Rod – Control	1
10	3218–5	Nut – Jam	1
11	92–2344	Trunnion	1
12	3296–23	Nut – Lock	1
13	3256–24	Washer – Flat	2
14	3296–39	Nut – Lock	1
15	92–2343	Pedal Assembly	1
16	74–9100	Pad – Forward	1

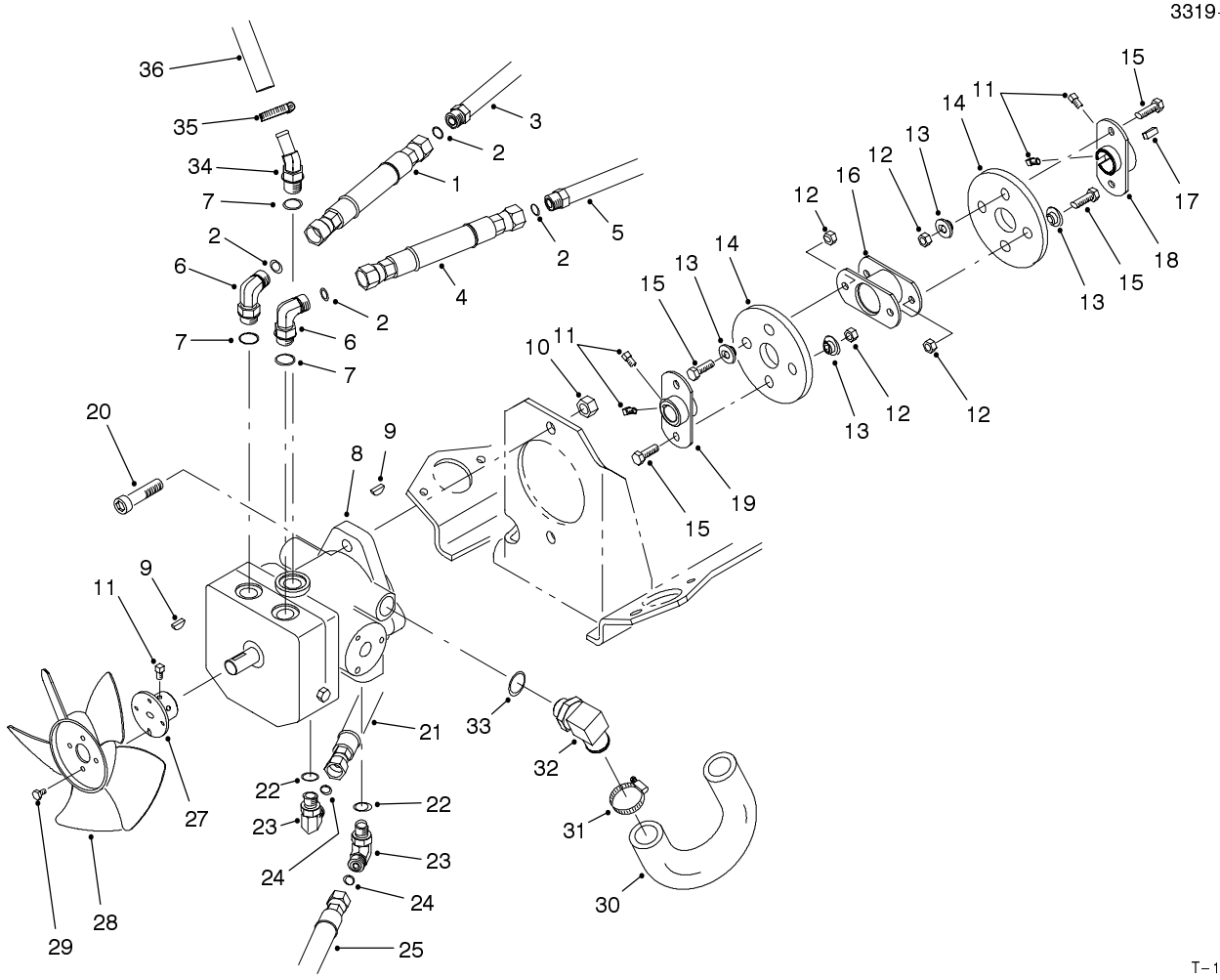


T–1480–3

PUMP CONTROL LEVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323–10	Screw – Cap Hex. Hd.	1
2	85–8300	Lever – Pump	1
3	32105–21	Screw – Machine	2
4	3296–29	Nut – Lock	2
5	3–6498	Washer – Thrust	1
6	49–2040	Screw – Hex. Flange Hd.	3
7	95–0553	Plate – Pump	1
8	3296–4	Nut – Lock	1
9	18–6380	Pin – Adjusting	1
10	85–9030	Spring – Extension	1
11	256–113	Bushing – Flange	2
12	85–8460	Switch Arm Assembly (Incl. Ref. #11 & 13)	1
13	302–60	Fitting – Grease	1

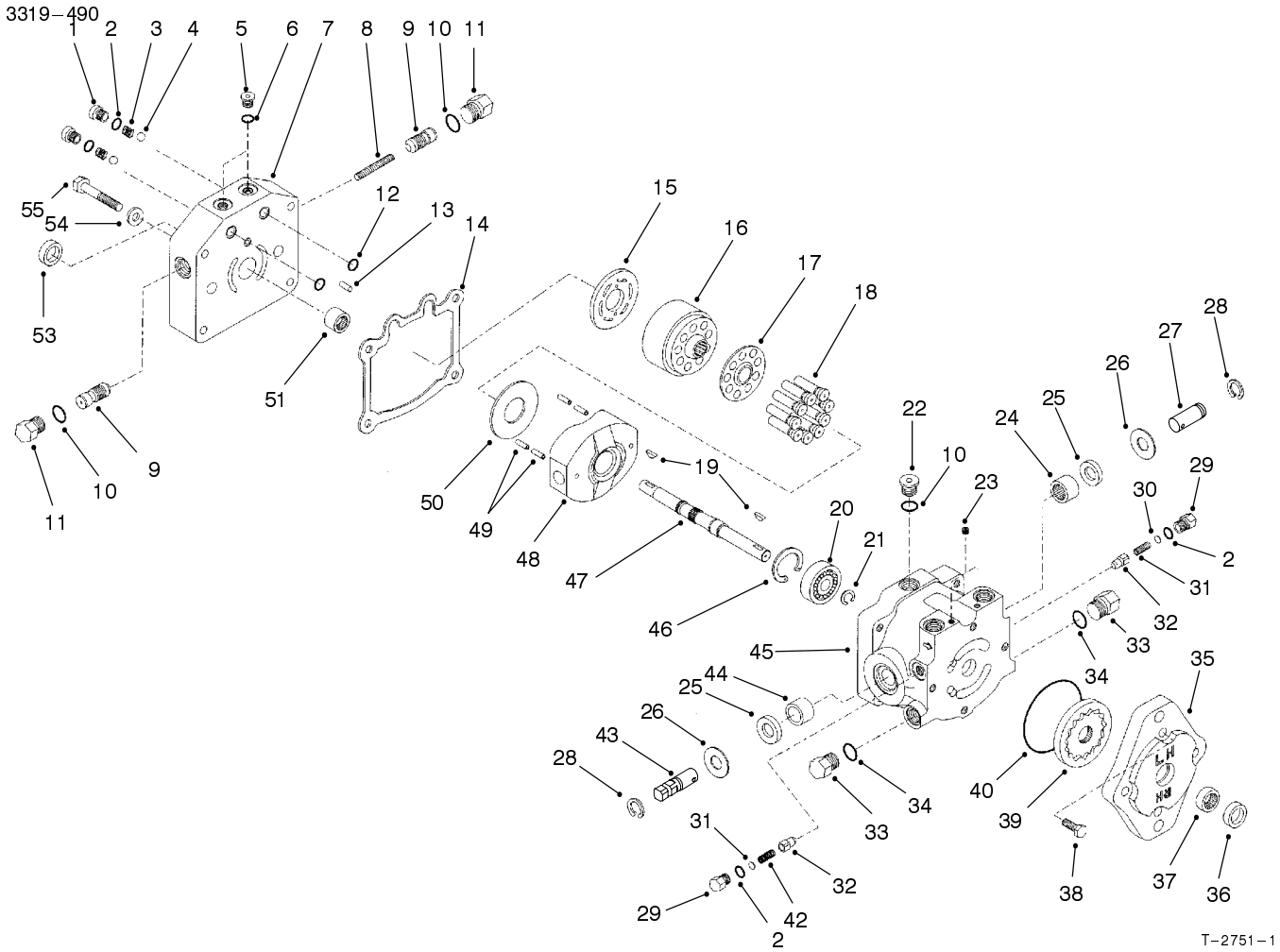
Ref. No.	Part No.	Description	No. Used
14	76–8640	Stud – Traction	1
15	322–8	Screw – Cap Hex. Hd.	1
16	251–307	Bearing	2
17	85–9120	Spacer	1
18	75–5470	Spacer	1
19	85–9150	Plate – Switch	1
20	29–6163	Switch – Neutral	1
21	3296–9	Nut – Lock	2
22	85–8860	Decal – Eccentric Bolt	1
22	93–9051	Decal – Eccentric Bolt (Europe)	1
22	92–1880	Decal – Eccentric Bolt (Japanese)	1
23	3296–39	Nut – Lock	1



HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	85–9620	Hose – Hydraulic	1
2	237–30	Seal – O–Ring	4
3	92–2348	Hydraulic Tube Assembly (Incl. Ref. #2)	1
4	85–9610	Hose – Hydraulic	1
5	85–9420	Hydraulic Tube Assembly (Incl. Ref. #2)	1
6	340–98	Fitting – Hydraulic 90° (Incl. Ref. #2 & 7)	2
7	237–79	Seal – O–Ring	3
8	95–5842	Hydraulic Pump Assembly (Incl. Ref. #9)	1
9	3257–32	Key – Woodruff	2
10	3296–23	Nut – Lock	2
11	3241–5	Screw – Set Sq. Hd.	6
12	3296–29	Nut – Hex.	8
13	27–6600	Spacer – Coupler	8
14	80–8650	Coupler – Rubber	2
15	322–4	Screw – Cap Hex. Hd.	8
16	85–8770	Coupling	1
17	85–9020	Key – Square	1

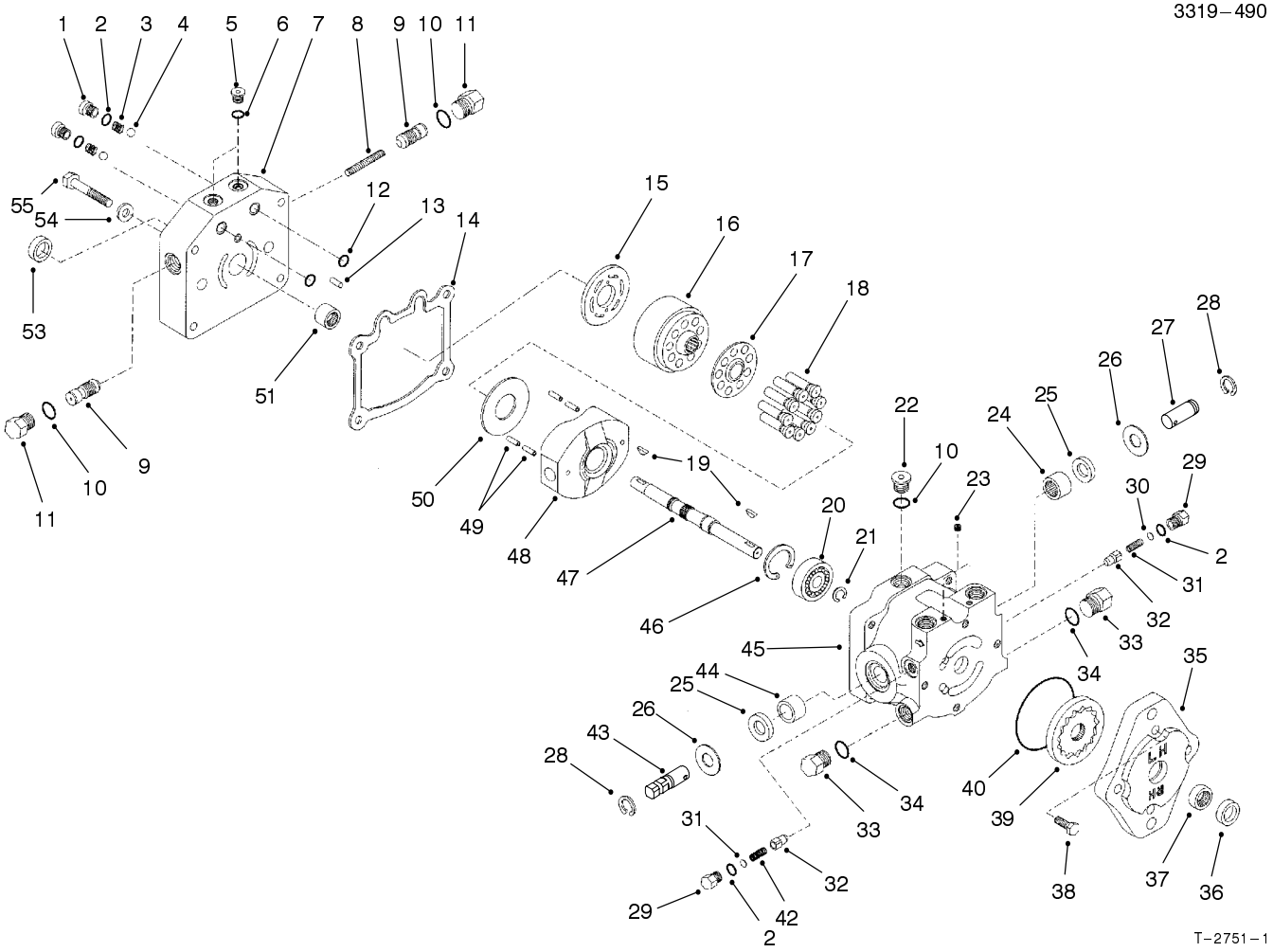
Ref. No.	Part No.	Description	No. Used
18	85–8730	Hub – Engine	1
19	85–8700	Hub – Pump	1
20	3274–5	Screw – Hex. Socket Hd.	2
21	85–9600	Hose – Hydraulic	1
22	237–42	Seal – O–Ring	2
23	340–77	Fitting – Hydraulic 90° (Incl. Ref. #22 & 24)	2
24	237–22	Seal – O–Ring	2
25	85–9590	Hose – Hydraulic	1
27	85–8670	Hub – Fan	1
28	85–9560	Fan	1
29	32144–73	Screw – Cap Hex. Hd.	4
30	85–7680	Hose – Hydraulic	1
31	2412–34	Clamp – Hose	1
32	61–2710	Fitting – Hydraulic 90° (Incl. Ref. #33)	1
33	237–80	Seal – O–Ring	1
34	354–126	Fitting – Hydraulic 45° (Incl. Ref. #7)	1
35	2412–36	Clamp – Hose	1
36	85–9450	Hose – Hydraulic	1



HYDRAULIC PUMP ASSEMBLY NO. 95–5842

Ref. No.	Part No.	Description	No. Used
1	25–2650	Plug	2
2	237–86	O–Ring	4
3	25–2640	Spring	2
4	25–2490	Ball	2
5	92–8776	Plug (Incl. Ref. #6)	2
6	92–8777	O–Ring	2
7	95–5808	Cap – End	1
8	95–5815	Spring – Valve, Acceleration	1
9	98–0920	Valve – Acceleration	2
10	237–79	O–Ring	3
11	95–5816	Plug (Incl. Ref. #10)	2
12	237–30	O–Ring	2
13	25–2430	Pin	1
14	25–2400	Gasket – Cap, End	1
15	88–8160	Plate – Valve	1
16	25–2600	Kit–Cylinder Block (Incl. Ref. #17–18)	1
17		Retainer – Slipper	1
18		Asm–Piston	9
19	3257–32	Key – Woodruff	2
20	95–5809	Ball Bearing	1
21	95–5813	Ring – Retaining	1
22	353–988	Plug (Incl. Ref. #10)	1

Ref. No.	Part No.	Description	No. Used
23	285–17	Plug – Pipe	2
24	88–8190	Bearing – Journal	1
25	25–3210	Seal – Lip	2
26	25–2510	Washer	2
27	88–8180	Shaft – Trunnion	1
28	32151–46	Ring – Retaining	2
29	25–2460	Plug (Incl. Ref. #2)	2
30	25–2470	Kit – Shim	2
31	25–2570	Spring	1
32	83–7260	Cone – Charge Relief	2
33	88–8210	Plug (Incl. Ref. #34)	2
34	237–80	O–Ring	2
35	25–2690	Housing – Pump, Charge	1
36	67–8060	Seal – Lip	1
37	67–8050	Bearing – Needle	1
38	322–4	Screw – HH	4
39	95–5812	Asm–Gerotor	1
40	237–95	O–Ring	1
42	25–2480	Spring	1
43	25–2500	Shaft – Trunnion	1
44	252–82	Bearing – Needle	1
45	88–8170	Asm–Housing, Variable (Incl. Ref. #24, 25, & 44)	1
46	32120–11	Ring – Retaining	1

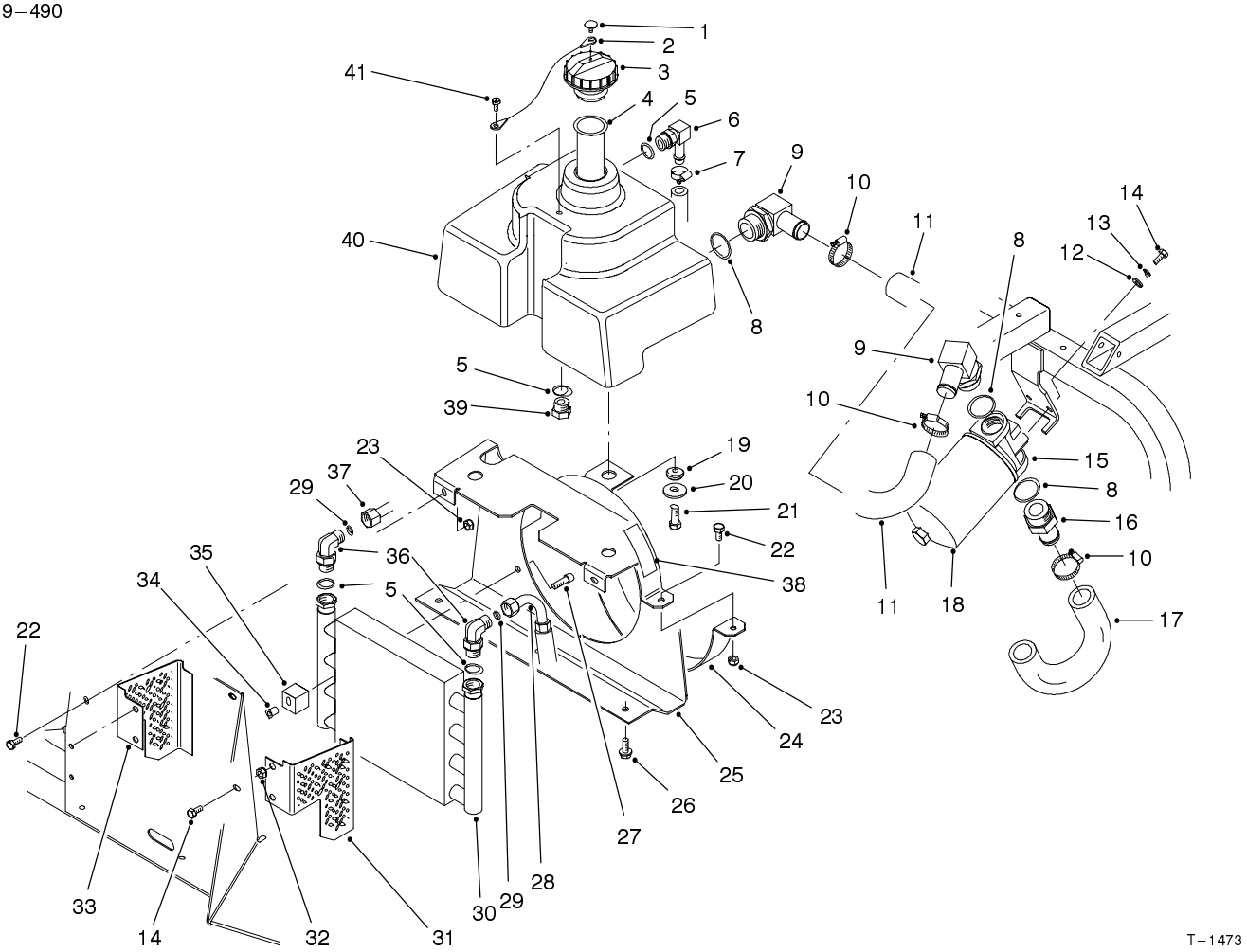


HYDRAULIC PUMP ASSEMBLY NO. 95–5842 (Continued)

Ref. No.	Part No.	Description	No. Used
47	95–5810	Shaft	1
48	25–2450	Swashplate	1
49	32121–91	Pin – Spring	4
50	25–2380	Plate – Thrust	1
51	46–8400	Bearing – Roller	1
53	88–8230	Seal – Lip	1
54		Washer	1

Ref. No.	Part No.	Description	No. Used
55	323–45	Screw – HH	4
*	25–3180	Kit–Valve, Check (Incl. Ref. #1–4)	1
*	49–8520	Kit–Implement Relief (Incl. Ref. #2 & 29–32)	1
*	49–8510	Kit–Relief, Charge (Incl. Ref. #2, 29–30 & 41–42)	1

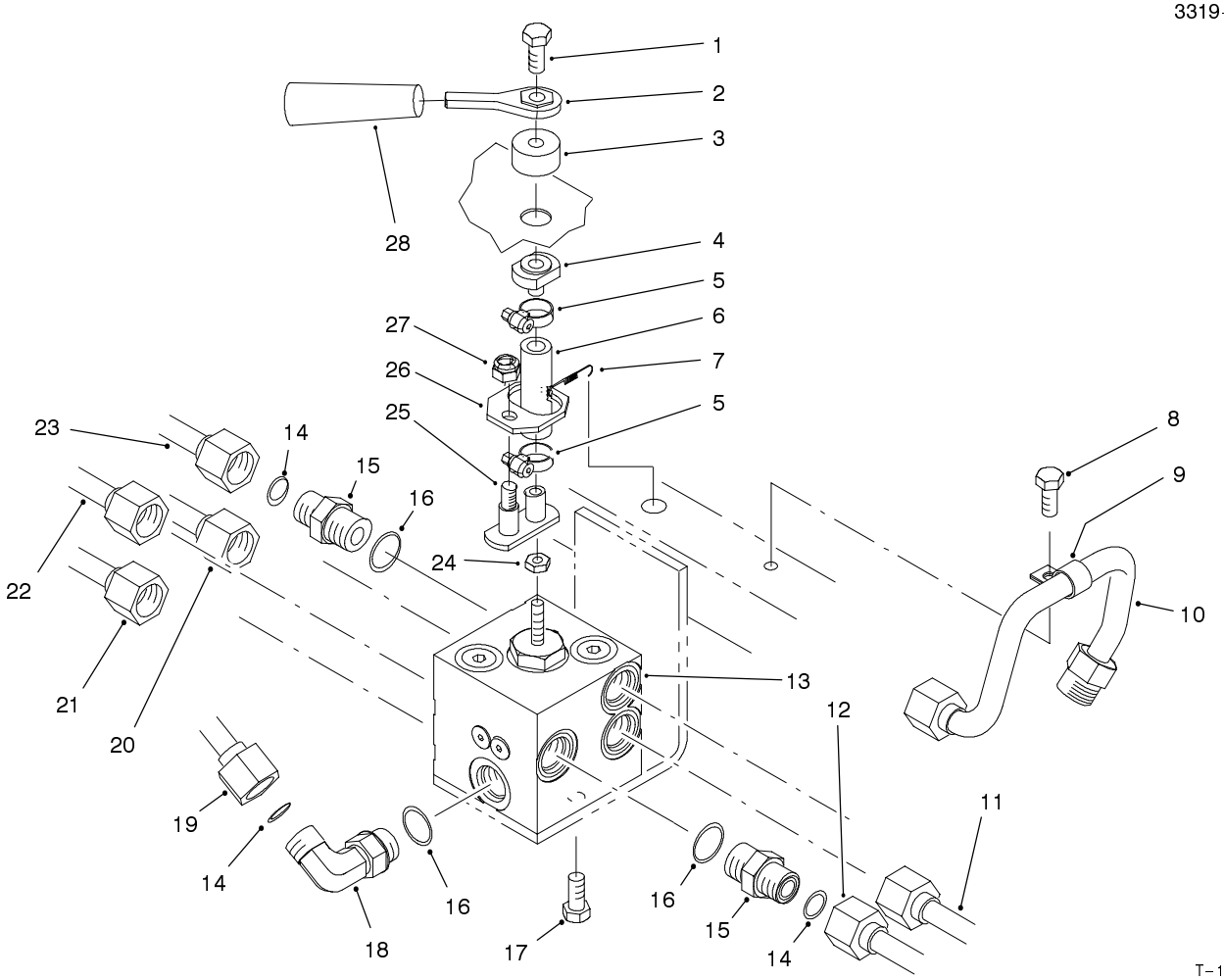
*Not Illustrated



HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2410–73	Retainer – Teather	1
2	75–0540	Teather	1
3	93–4365	Reservoir Cap Assembly (Incl. Ref. #1 & 2)	1
4	85–9510	Screen – Filler	1
5	237–79	Seal – O–Ring	4
6	354–120	Fitting – Hydraulic 90° (Incl. Ref. #5)	1
7	2412–36	Clamp – Hose	1
8	237–146	Seal – O–Ring	3
9	23–8910	Fitting – Hydraulic 90° (Incl. Ref. #8)	2
10	2412–34	Clamp – Hose	3
11	85–7610	Hose – Hydraulic	1
12	3256–22	Washer – Flat	2
13	3253–3	Washer – Lock	2
14	321–3	Screw – Cap Hex. Hd.	6
15	61–3770	Hydraulic Filter Head Assy.	1
16	354–78	Fitting – Hydraulic Straight (Incl. Ref. #8)	1
17	85–7680	Hose – Hydraulic	1
18	23–9740	Element – Hydraulic Filter	1
19	240–11	Grommet	3
20	3256–4	Washer – Flat	3
21	323–5	Screw – Cap Hex. Hd.	3
22	322–2	Screw – Cap Hex. Hd.	4

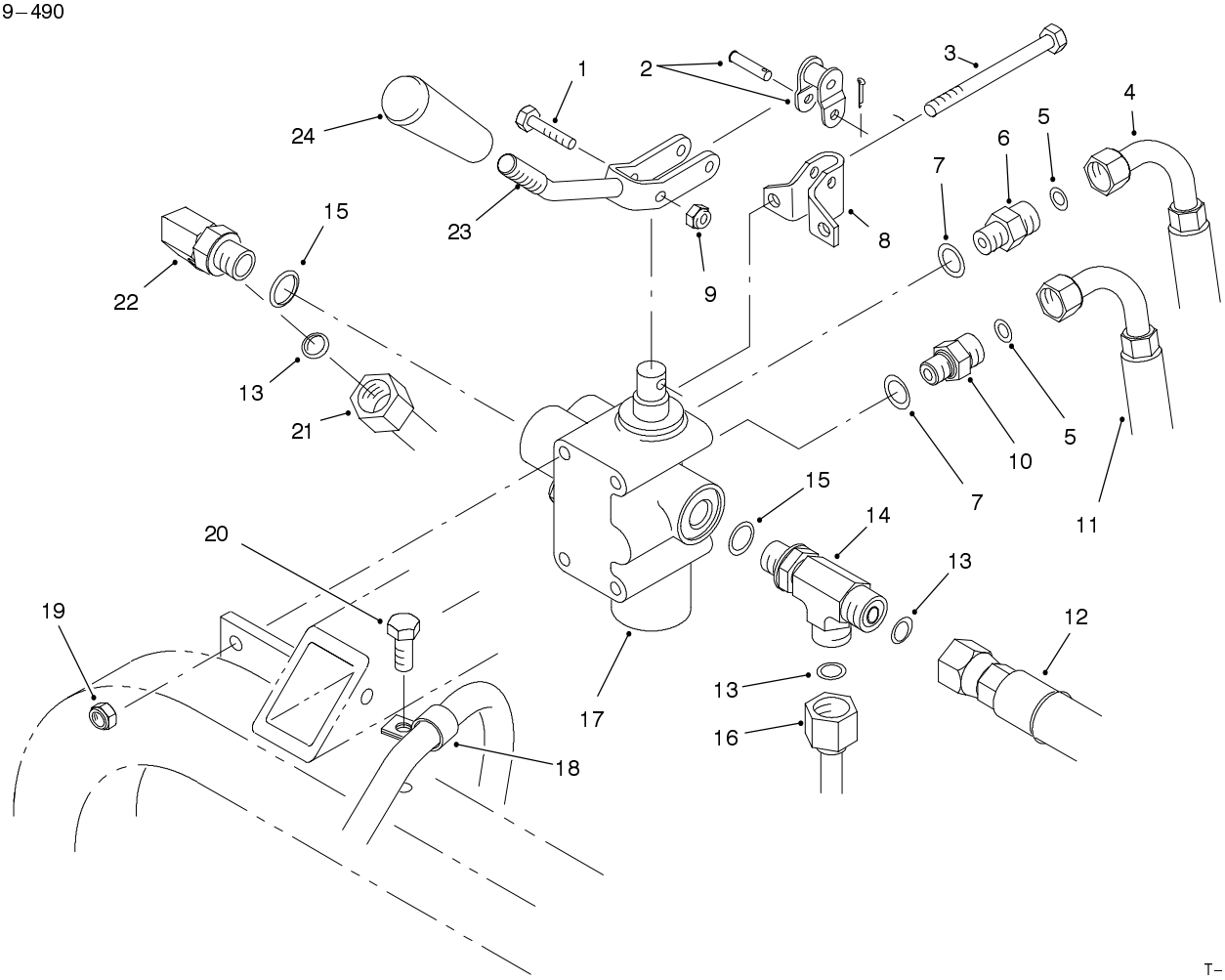
Ref. No.	Part No.	Description	No. Used
23	3296–29	Nut – Lock	4
24	85–8570	Shroud – Lower	1
25	14–7579	Cooler Mount Assembly (Incl. Ref. #38)	1
26	32144–11	Screw – Thread Forming	3
27	3274–86	Screw – Hex. Socket Hd.	2
28	85–9590	Hose – Hydraulic	1
29	237–22	Seal – O–Ring	2
30	85–9460	Cooler – Oil	1
31	88–8120	Screen Assembly L.H. (Incl. Ref. #32)	1
32	32148–6	Nut – Clinch	4
33	88–8110	Screen Assembly R.H. (Incl. Ref. #32)	1
34	85–9670	Nut – T	2
35	85–9550	Clamp – Rubber	2
36	340–18	Fitting – Hydraulic 90° (Incl. Ref. #5 & 29)	2
37	92–2349	Tube – Hydraulic	1
38	77–3100	Decal – Caution	2
38	93–7272	Decal – Caution (Europe)	2
38	84–6760	Decal – Caution (Japanese)	2
39	353–550	Plug – Hydraulic (Incl. Ref. #5)	1
40	92–8959	Reservoir – Hydraulic	1
41	57–5420	Screw – Shoulder	1



T–1477–2

HYDRAULIC MANIFOLD ASSEMBLY

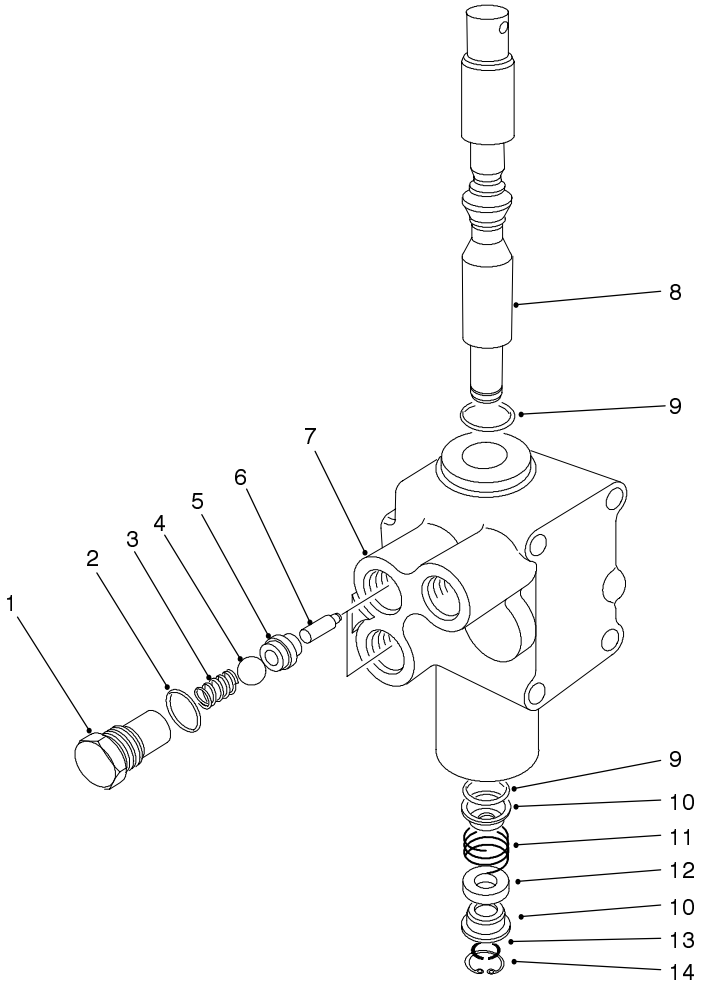
Ref. No.	Part No.	Description	No. Used
1	322–16	Screw – HH	1
2	88–8280	Lever – Steering Adjust	1
3	92–2327	Spacer – Lever	1
4	92–2328	Spacer – Hose	1
5	2412–108	Clamp – Worm	2
6	92–2329	Hose – Stem	1
7	92–2331	Spring – Extension	1
8	32144–11	Screw – Thread Forming	2
9	2412–138	Clamp – R	2
10	85–9420	Tube – Hydraulic	1
11	85–9390	Tube – Hydraulic	1
12	85–7760	Tube – Hydraulic	1
13	95–5841	Hydraulic Manifold Assembly	1
14	237–79	Seal–O–Ring	8
15	340–4	Fitting – Hydraulic Straight (Incl. Ref. #14 & 16)	7
16	237–30	Seal–O–Ring	8
17	322–3	Screw – Cap Hex. Hd.	2
18	340–98	Fitting – Hydraulic 90° (Incl. Ref. #14 & 16)	1
19	85–9360	Tube – Hydraulic	1
20	85–9410	Tube – Hydraulic	1
21	85–9400	Tube – Hydraulic	1
22	92–2348	Tube – Hydraulic	1
23	85–9370	Tube – Hydraulic	1
24	3217–5	Nut	1
25	92–2338	Pivot Assembly	1
26	92–2332	Plate – Spring	1
27	3296–29	Nut – Lock	1
28	233–39	Handle	1



HYDRAULIC CONTROL VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290–360	Screw – Cap Hex. Hd.	2
2	2710–20	Link – Offset	1
3	321–23	Screw – Cap Hex. Hd.	3
4	85–9580	Hose – Hydraulic	1
5	237–21	Seal–O–Ring	2
6	85–9720	Fitting – Hydraulic Orificed (Incl. Ref. #5 & 7)	1
7	237–78	Seal–O–Ring	2
8	88–8480	Bracket – Pivot	1
9	3296–2	Nut – Lock	2
10	340–92	Fitting – Hydraulic Straight (Incl. Ref. #5 & 7)	1
11	85–9570	Hose – Hydraulic	1
12	85–9600	Hose – Hydraulic	1

Ref. No.	Part No.	Description	No. Used
13	237–22	Seal–O–Ring	3
14	340–86	Fitting – Hydraulic Tee (Incl. Ref. #13 & 15)	1
15	237–42	Seal–O–Ring	2
16	85–0380	Tube – Hydraulic	1
17	43–1950	Lift Valve Assembly	1
18	2412–138	Clamp – R	1
19	3296–8	Nut – Lock	3
20	32144–11	Screw – Thread Forming	1
21	92–2349	Tube – Hydraulic	1
22	340–77	Fitting – Hydraulic 90° (Incl. Ref. #13 & 15)	1
23	85–8900	Lever – Lift Valve	1
24	233–39	Handle	1



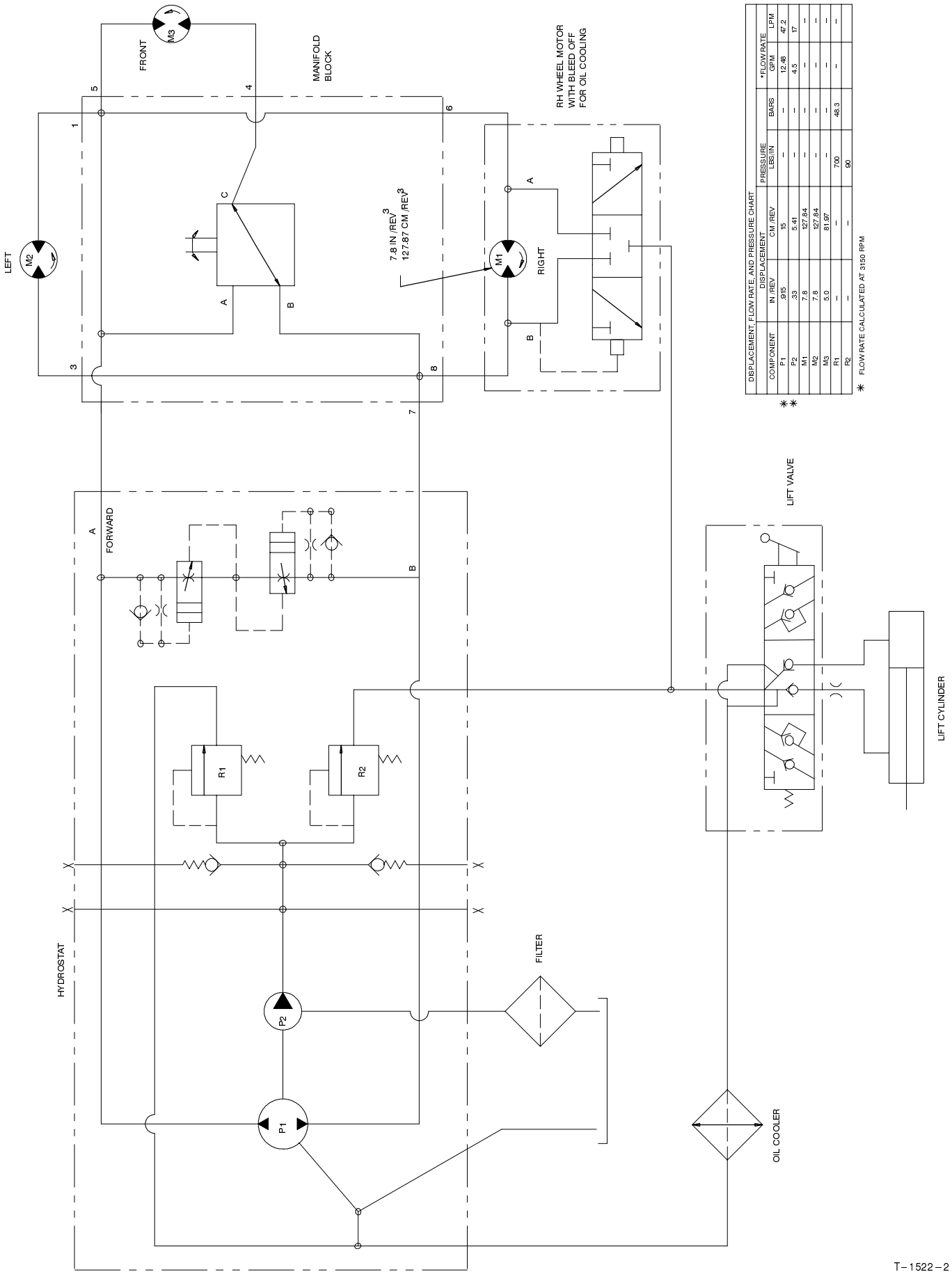
T–0280–3

CONTROL VALVE ASSEMBLY NO. 43–1950

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

Ref. No.	Part No.	Description	No. Used
8	22–8420	Spool	1
9	22–8500	O–Ring	2
10	22–8380	Retainer – Spring	2
11	22–8410	Spring	1
12	23–3030	Spacer	1
13	22–8480	Ring – Retaining, Spool	1
14	22–8490	Ring – Retaining	1

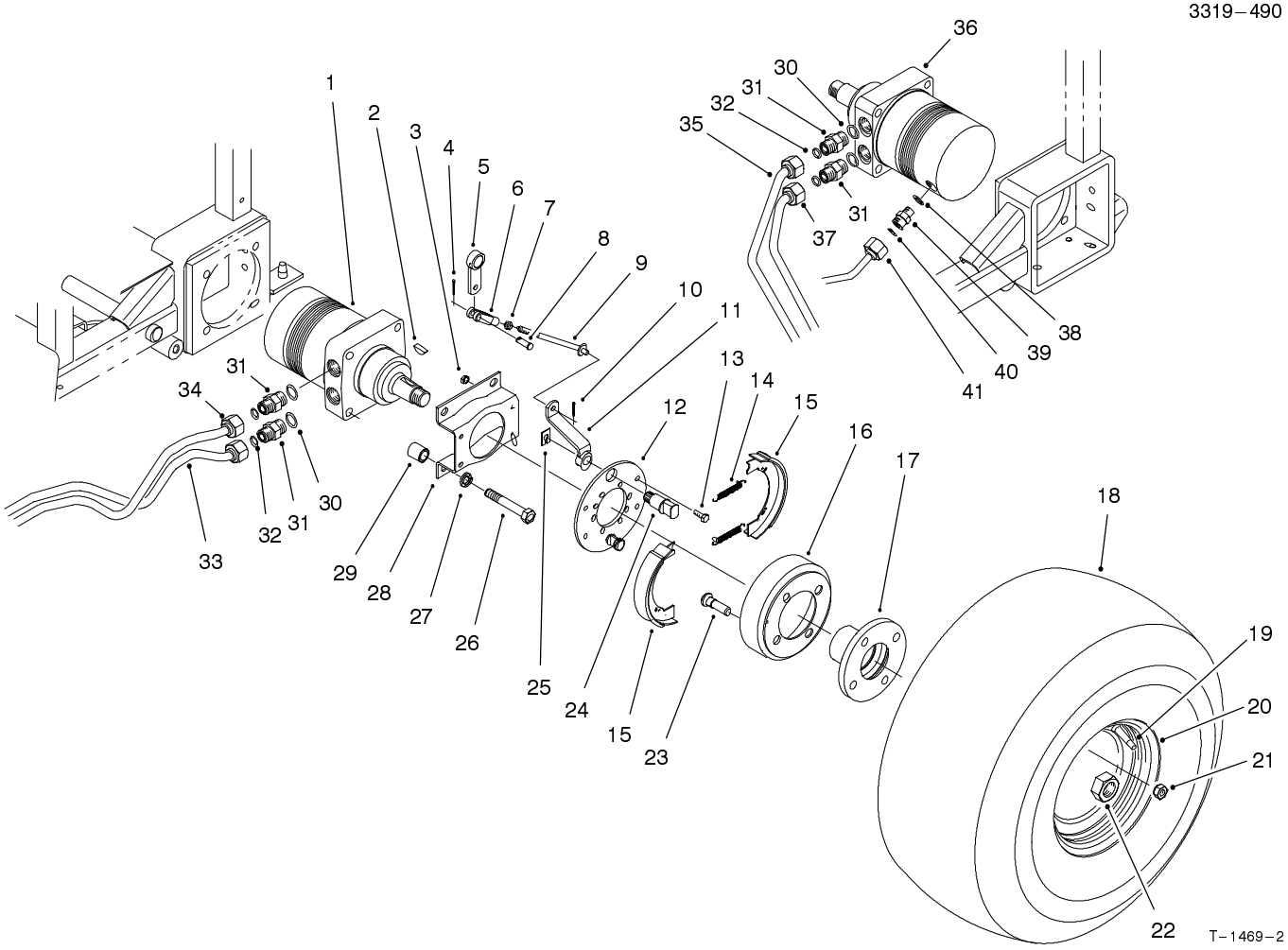
HYDRAULIC SCHEMATIC



DISPLACEMENT, FLOW RATE, AND PRESSURE CHART

COMPONENT	DISPLACEMENT IN./REV	DISPLACEMENT CM./REV	PRESSURE LBS/IN	PRESSURE BARS	*FLOW RATE GPM	*FLOW RATE LPM
P1	.915	15	–	–	12.48	47.2
P2	.33	5.41	–	–	4.5	17
M1	7.8	127.84	–	–	–	–
M2	7.8	127.84	–	–	–	–
M3	5.0	81.97	–	–	–	–
R1	–	–	700	48.3	–	–
R2	–	–	90			

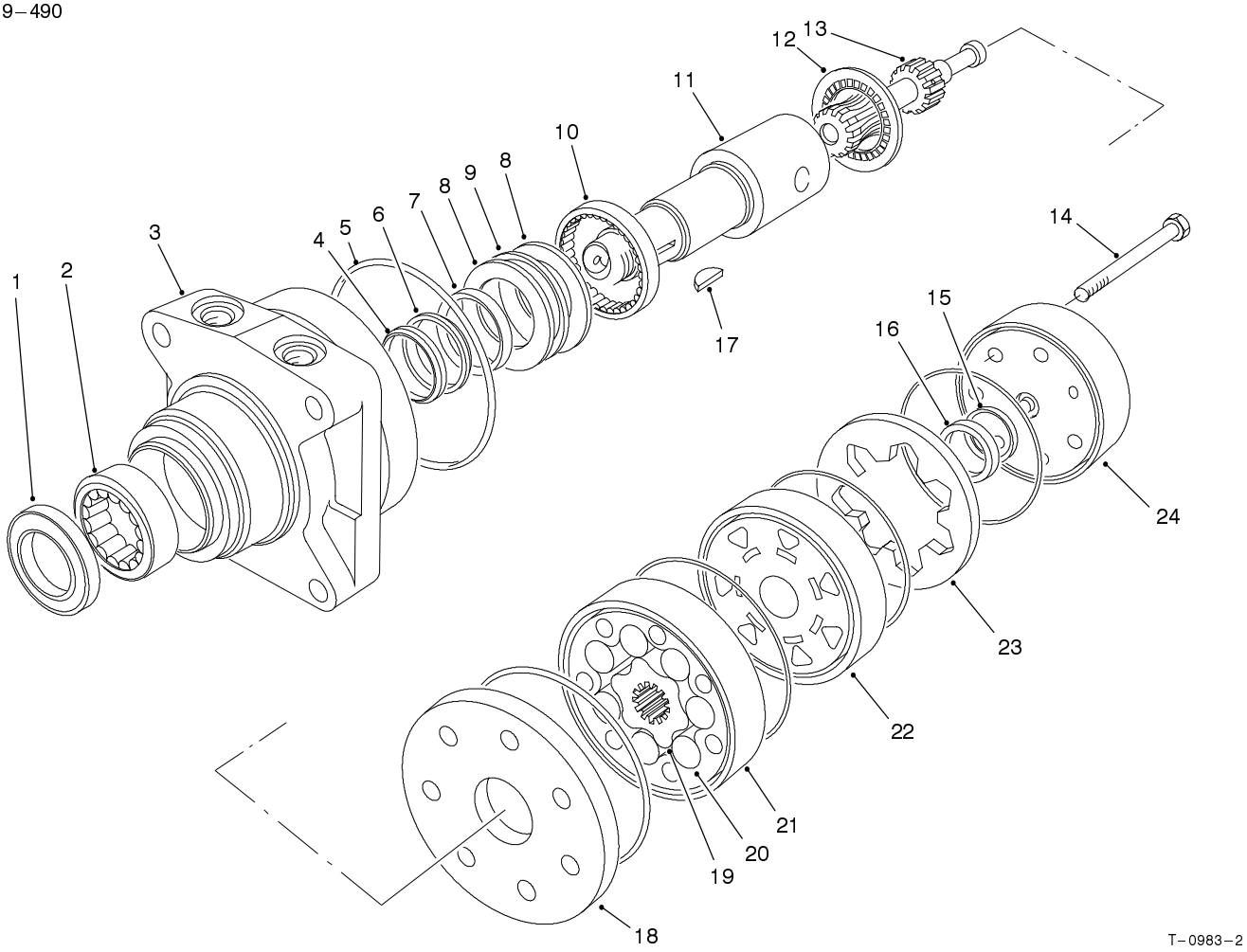
**
* FLOW RATE CALCULATED AT 3150 RPM



REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	75–9831	Hydraulic Motor Assy. L.H. (Incl. Ref. #2)	1
2	3257–42	Key – Woodruff	2
3	3296–42	Nut – Hex. Lock	8
4	3272–10	Pin – Cotter	2
5	83–9310	Arm – Brake	2
6	282–2	Clevis – Adjust	2
7	3220–2	Nut – Jam	2
8	283–1	Pin – Clevis	2
9	95–5824	Rod – Adjustment	2
10	3272–6	Pin – Cotter	2
11	93–6850	Brake Lever Assembly	2
12	70–9870	Plate – Backing	2
13	321–4	Screw – HH	8
14	70–9880	Spring – Return	4
15	70–9840	Lining – Shoe	4
16	10–6850	Drum – Brake	2
17	93–6838	Hub – Wheel	2
18	85–8290	Tire	2
19	232–35	Valve – Stem	2
20	94–6116	Rim	2
21	242–50	Nut – Lock	8
22	26–3790	Nut – Lock	2
23	85–6540	Stud – Drive	8
24	70–9860	Shaft – Cam	2
25	32120–47	Ring – Retaining	2
26	325–13	Screw – Cap Hex. Hd.	8
27	3253–7	Washer – Lock	8
28	84–2000	Bracket – Brake	2
29	92–1715	Spacer	8
30	237–80	Seal–O–Ring	4
31	340–6	Fitting – Hydraulic Straight (Incl. Ref. #30 & 32)	4
32	237–30	Seal–O–Ring	4
33	85–9390	Tube – Hydraulic	1
34	85–7760	Tube – Hydraulic	1
35	85–9400	Tube – Hydraulic	1
36	75–9840	Hydraulic Motor Assy. R.H. (Incl. Ref. #2)	1
37	85–9410	Tube – Hydraulic	1
38	237–42	Seal – O–Ring	1
39	340–2	Fitting – Hydraulic Straight (Incl. Ref. #38 & 40)	1
40	237–22	Seal – O–Ring	1
41	85–0380	Tube – Hydraulic	1
*	71–1500	Assembly – Brake (Incl. Ref. #12–15 & 25)	2

*Not Illustrated

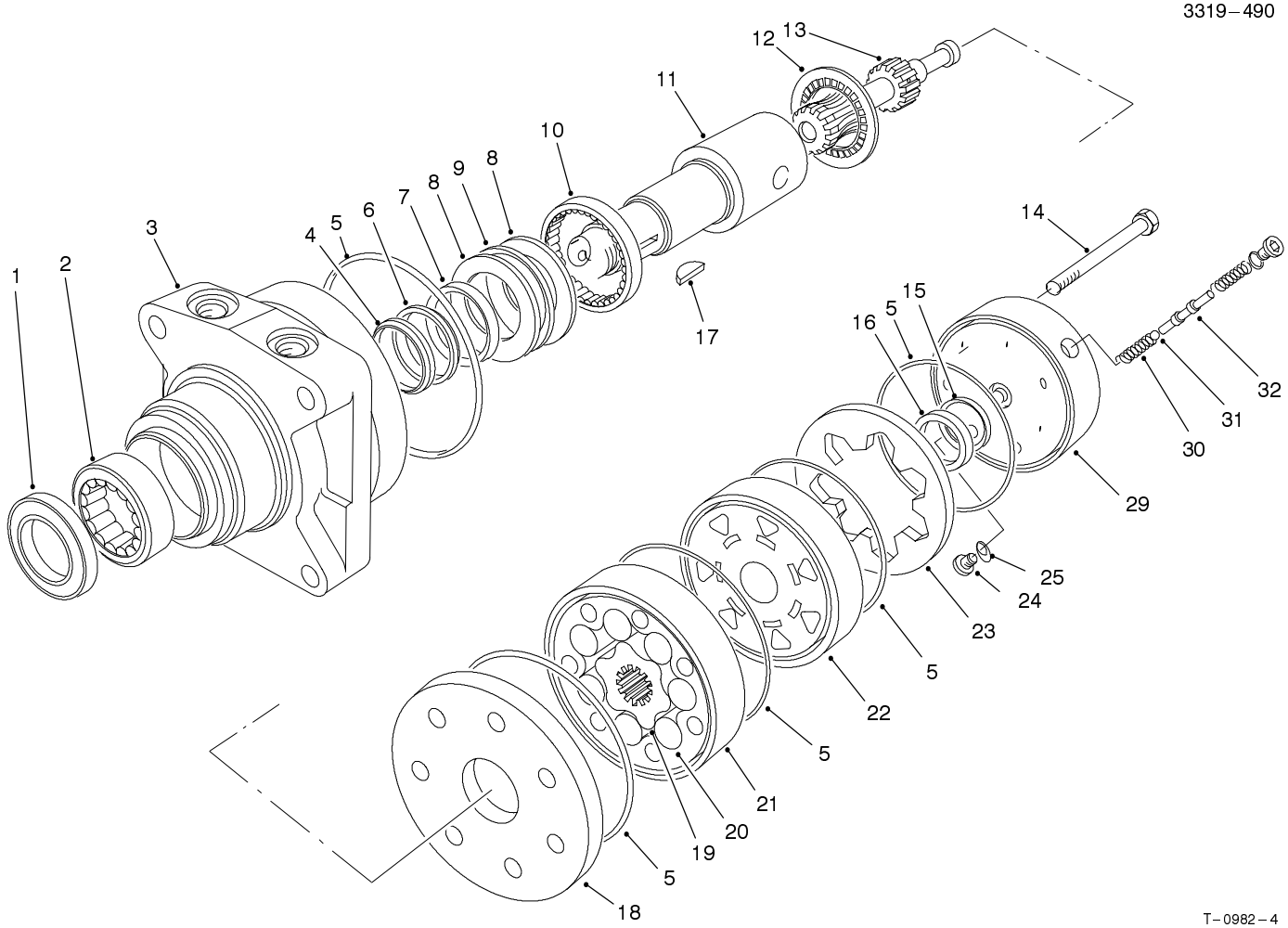


LEFT REAR HYDRAULIC MOTOR ASSEMBLY NO. 75–9831

Ref. No.	Part No.	Description	No. Used
1		Seal – Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer – Backup	1
5		Seal – Rings	5
6		Washer – Backup	1
7		Seal – Inner	1
8		Washer – Thrust	2
9		Bearing – Thrust	1
10		Bearing	1
11	76–0860	Shaft – Coupling	1
12	76–0850	Bearing – Thrust	1
13	76–0820	Link – Drive	7
14	76–1020	Screw – Cap, Hex. Hd.	1
15		Seal – Commutator	1
16		Commutator	1

Ref. No.	Part No.	Description	No. Used
17	3257–42	Key – Woodruff	1
18	76–0870	Plate – Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1
22	76–0840	Manifold	1
23		Ring – Commutator	1
24	76–0940	Assembly – Cover, End	1
*	76–0830	Rotor Set (Incl. Ref. #19–21)	1
*	76–0880	Assembly – Commutator (Incl. Ref. #15, 16 & 23)	1
*	94–8178	Kit – Seal (Incl. Ref. #1, 4–7 & 15)	1
*	76–0810	Assembly – Housing (Incl. Ref. #2, 3 & 8–10)	1

*Not Illustrated

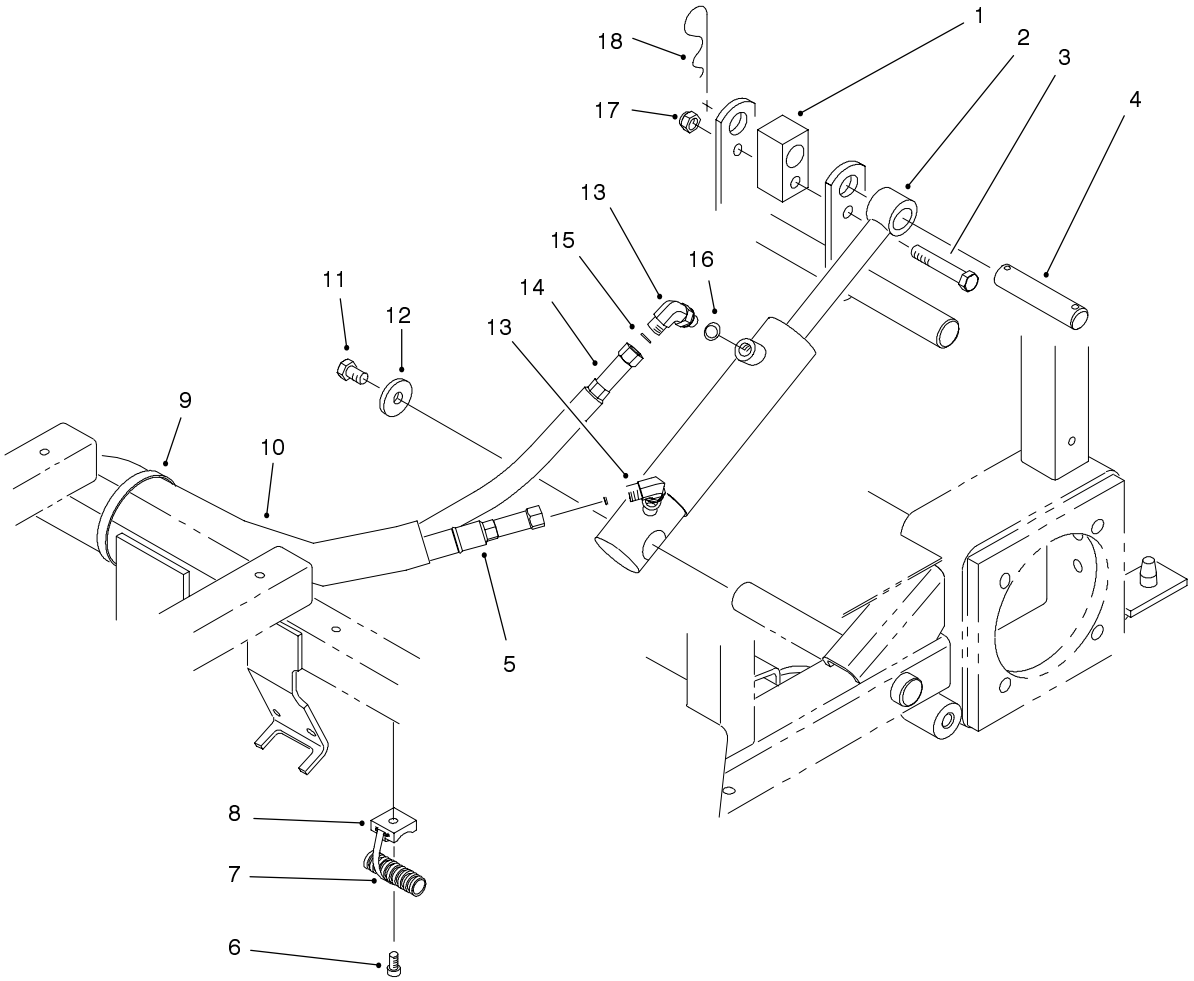


RIGHT REAR HYDRAULIC MOTOR ASSEMBLY NO. 75–9840

Ref. No.	Part No.	Description	No. Used
1		Seal – Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer – Backup	1
5		Seal – Rings	5
6		Washer – Backup	1
7		Seal – Inner	1
8		Washer – Thrust	2
9		Bearing – Thrust	1
10		Bearing	1
11	76–0860	Shaft – Coupling	1
12	76–0850	Bearing – Thrust	1
13	76–0820	Link – Drive	1
14	76–1040	Screw – Cap, Hex. Hd.	7
15		Seal – Commutator	1
16		Commutator	1
17	3257–42	Key –Woodruff	1
18	76–0870	Plate – Wear	1
19		Rotor	1

Ref. No.	Part No.	Description	No. Used
20		Vane	7
21		Stator	1
22	76–0840	Manifold	1
23		Ring – Commutator	1
24	353–990	Plug	2
25		O–Ring	2
29	76–0890	Assembly (Incl. Ref. #24–25 & 30–32)	1
30		Spring	2
31		Ball	1
32		Valve – Shuttle	1
*	76–0830	Rotor Set (Incl. Ref. #19–21)	1
*	76–0880	Assembly – Commutator (Incl. Ref. #15, 16 & 23)	1
*	94–8178	Kit – Seal (Incl. Ref. #1, 4–7 & 15)	1
*	76–0810	Assembly – Housing (Incl. Ref. #2, 3 & 8–10)	1

*Not Illustrated

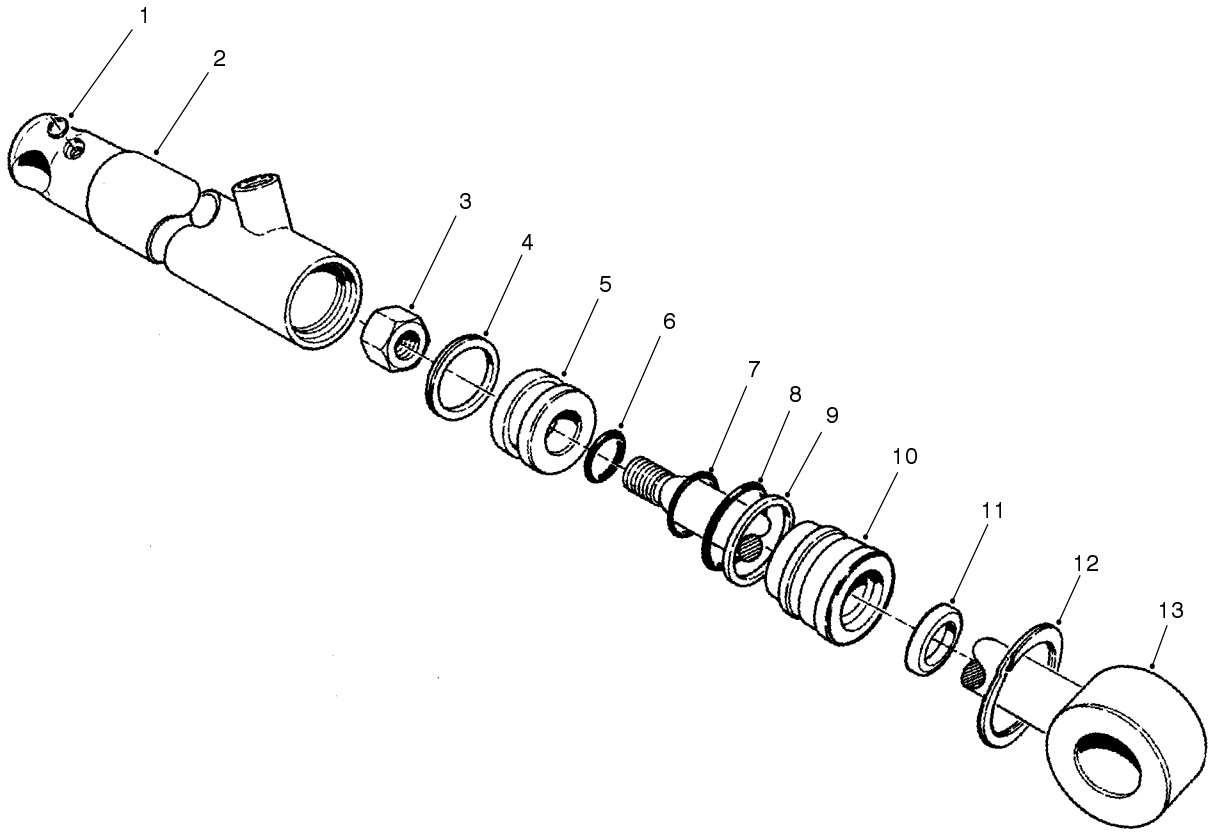


T–2752–1

LIFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	85–9160	Spacer	1
2	83–7000	Cylinder Assembly	1
3	323–11	Screw – Cap Hex. Hd.	1
4	85–9170	Pin – Cylinder	1
5	85–9580	Hose – Hydraulic	1
6	3274–31	Screw – Hex. Socket Hd.	3
7	3290–378	Tie – Cable	3
8	3290–509	Mount – Tie	3
9	3334–945	Tie – Cable	1
10	56–7981	Sleeve – Protective	1

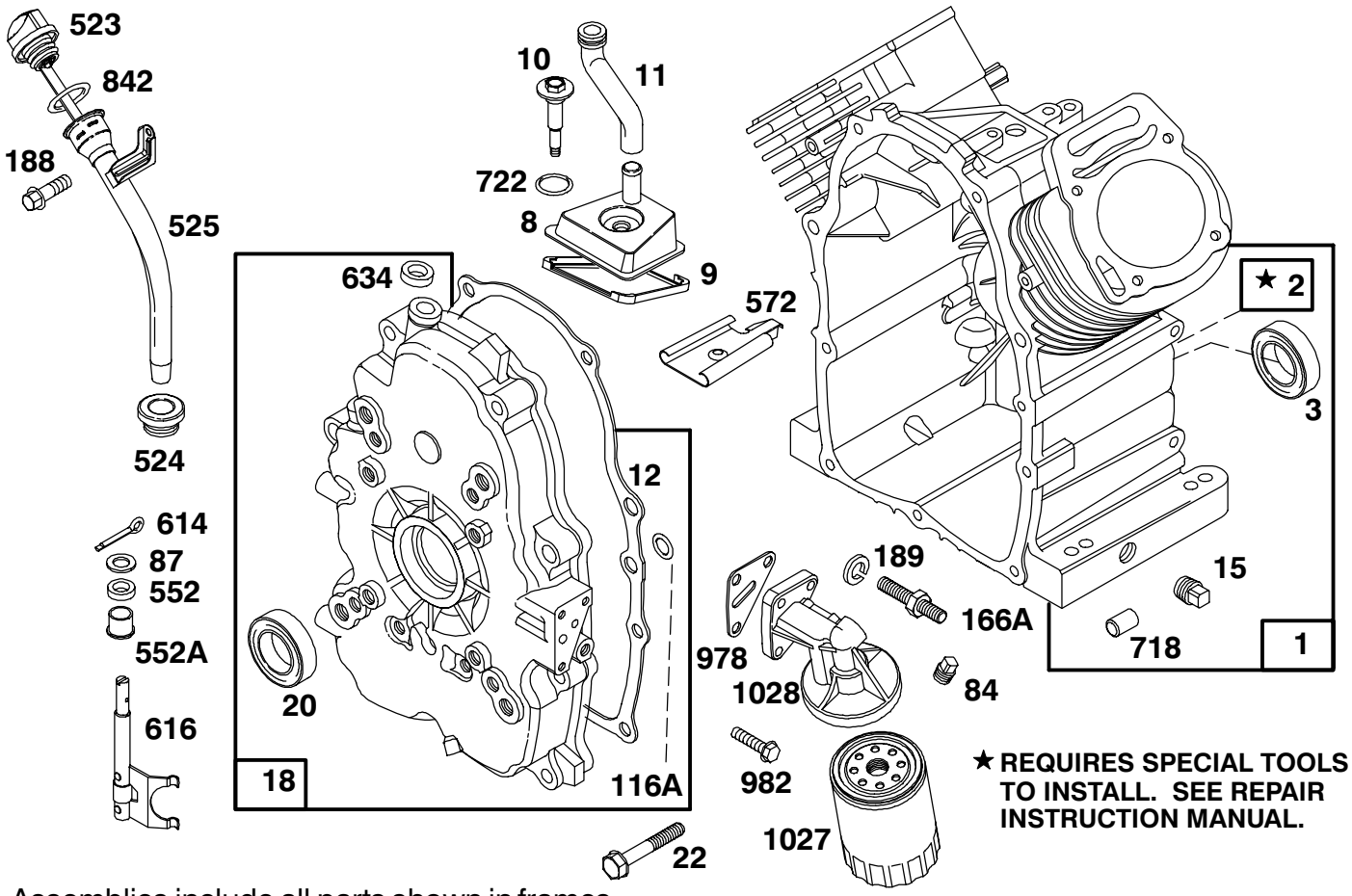
Ref. No.	Part No.	Description	No. Used
11	323–34	Screw – Cap Hex. Hd.	1
12	53–6380	Washer	1
13	340–142	Fitting – Hydraulic 90° (Incl. Ref. #15 & 16)	2
14	85–9570	Hose – Hydraulic	1
15	237–21	Seal – O–Ring	2
16	237–78	Seal – O–Ring	2
17	3296–39	Nut – Lock	1
18	3290–256	Pin – Hair	2



T–0217

HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 83–7000

Ref. No.	Part No.	Description	No. Used
1	237–78	O–Ring	2
2	43–5260	Barrel w/Clevis & Ports	1
3	32152–10	Nut	1
4		Uniring – Grooved	1
5	70–2780	Piston	1
6		O–Ring	1
7		Poly–Pack	1
8		O–Ring	1
9		Back–Up	1
10	70–2770	Head	1
11		Seal – Dust	1
12	43–5220	Ring – Retaining	1
13	43–5230	Shaft with Clevis	1
14	83–7250	Seal Repair Kit (Incl. Ref. #4, 6–9 & 11)	1



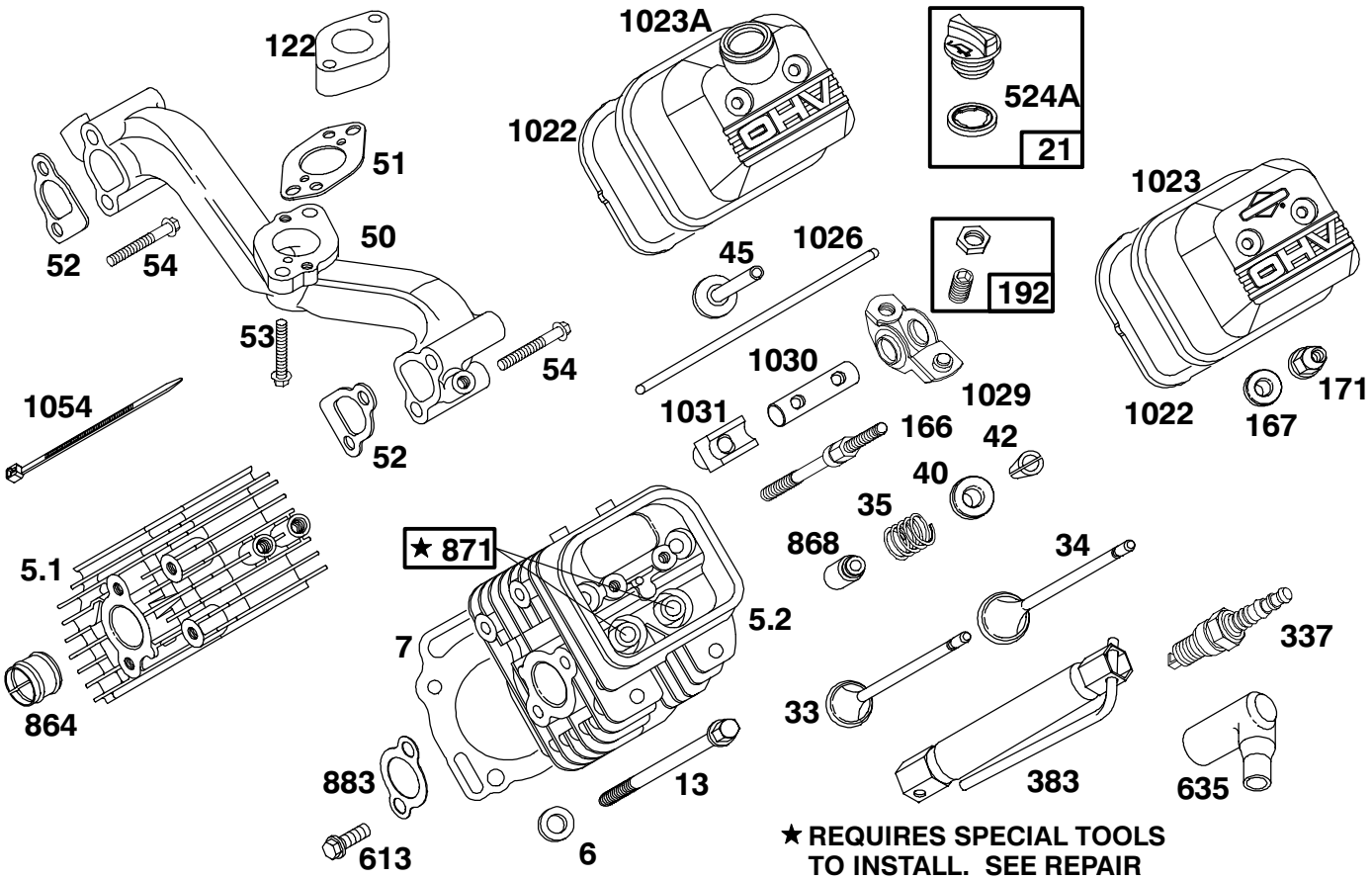
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447 – 0480 – 01

Ref. No.	Part No.	Description	No. Used
1	807521	Cylinder Assembly	1
2	805107	Bearing – Cylinder	1
*3	805101	Seal – Oil	1
8	807795	Breather Assembly	1
*9	805379	Gasket – Breather	1
10	805751	Screw – Hex.Washer Head	1
11	805362	Tube – Breather	1
*12	805112	Gasket – Crankcase Cover	1
15	805048	Plug – Oil Drain	1
18	807628	Crankcase Cover Assy.	1
*20	805049	Seal – Oil	1
22	805696	Screw – Crankcase Cover	1
84	91488	Plug – Pipe	1
*87	805054	Seal – Governor Shaft	1
*116A	805198	O–Ring (Crankcase Cover)	1
166A	805073	Stud – Oil Filter Adapter	1
188	805247	Screw – Hex. Head	1

Ref. No.	Part No.	Description	No. Used
189	805449	Lockwasher	1
523	807977	Dipstick	1
*524	805259	Seal – Filler Tube	1
525	807584	Tube – Oil Filler	1
552	805412	Bushing – Governor Shaft	1
552A	805413	Bushing – Governor Shaft	1
572	805197	Baffle – Breather	1
614	805417	Pin – Cotter	1
616	807596	Fork – Governor	1
634	805416	Washer – Governor Shaft	1
718	805103	Dowel – Crankcase	1
*722	805483	Seal – Breather Screw	1
*842	805386	O–Ring	1
*978	805250	Gasket – Oil Filter Adapter	1
982	805030	Screw	1
1027	492932	Filter – Oil	1
1028	805292	Adapter – Oil Filter	1

*Included in Gasket Set – Part No. 807989.



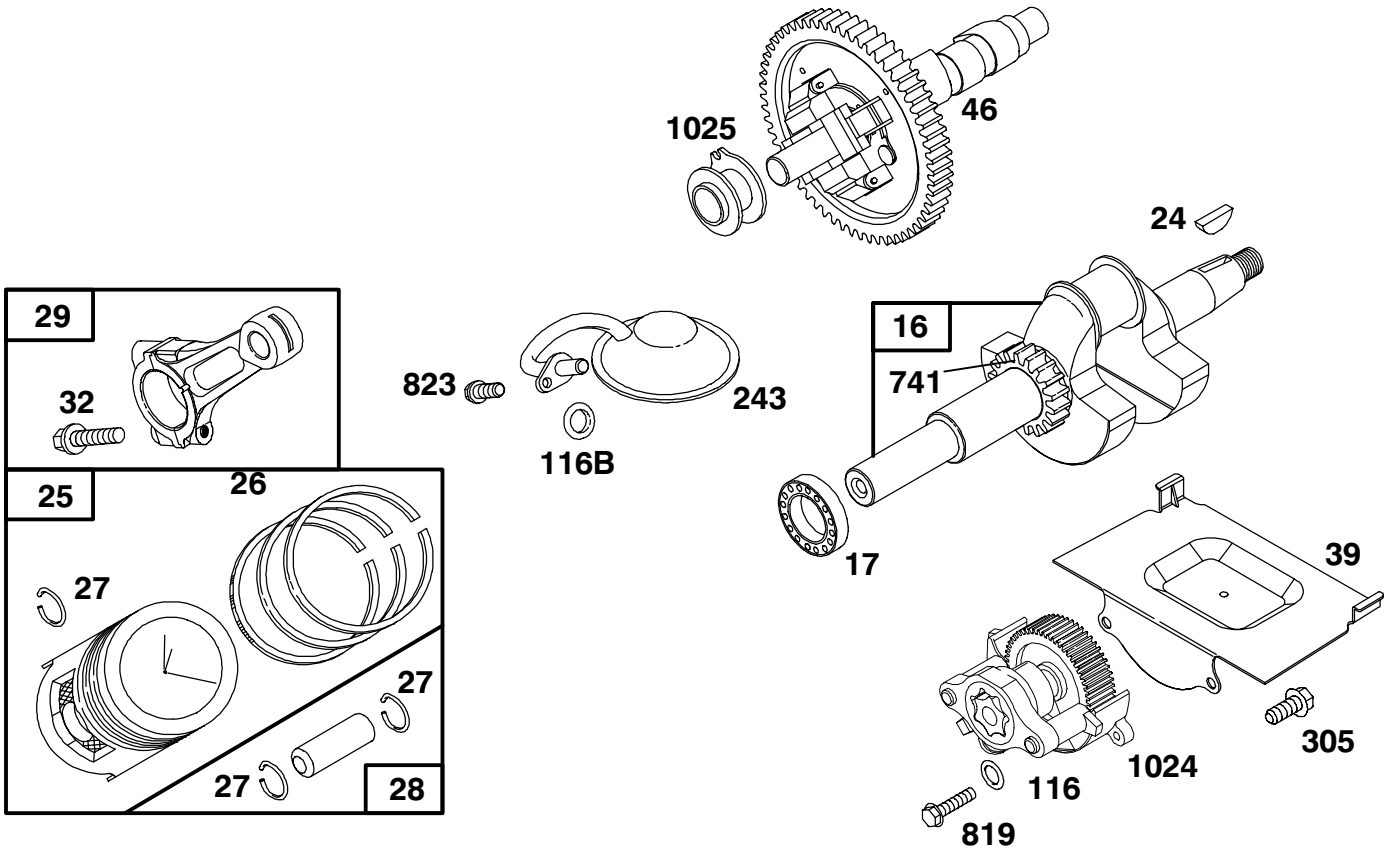
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–0480–01

Ref. No.	Part No.	Description	No. Used
5.1	807987	Head – Cylinder (Cyl. #1)	1
5.2	807988	Head – Cylinder (Cyl. #2)	1
‡6	805193	Washer – Cylinder Head	1
*‡7	807986	Gasket – Cylinder Head	1
13	805097	Screw – Cylinder Head	1
21	491832	Plug – Oil Filler	1
33	805089	Valve – Exhaust	1
34	805090	Valve – Intake	1
35	805078	Spring – Valve	1
40	805092	Retainer – Valve Spring	1
42	805161	Retainer – Valve	1
45	805354	Tappet – Valve	1
50	805772	Manifold – Intake	1
*51	805700	Gasket – Carburetor Mtg.	1
*‡52	805023	Gasket – Intake Manifold	1
53	805466	Screw	1
54	805006	Screw	1
122	805328	Spacer – Carburetor	1
166	805343	Stud – Rocker Arm	1
*‡167	805420	Washer – Valve Cover	1
‡171	805019	Nut – Nylock	1

Ref. No.	Part No.	Description	No. Used
192	807623	Screw – Valve Adjustment (Incl. Jam Nut)	1
337	496018	Plug – Spark	1
383	19374	Wrench – Spark Plug	1
*‡524A	271983	Seal – Filler Plug	1
613	805158	Screw	1
635	805529	Elbow – Spark Plug	1
864	805083	Liner – Exhaust Port	1
868	805094	Seal – Valve Guide	1
871	805084	Guide – Valve	1
*‡883	805024	Gasket – Exhaust Manifold	1
*‡1022	805028	Gasket – Valve Cover	1
1023	805100	Cover – Valve	1
1023A	808032	Cover – Valve Used on Cyl. #	1
1026	805352	Rod – Push **Note:** 805617 Rod – Push Used on Exhaust Side Only.	1
1029	807557	Arm – Rocker	1
1030	805342	Shaft – Rocker Arm	1
1031	805341	Support – Rocker Arm	1
1054	280275	Tie – Cable	1

*Included in Gasket Set – Part No. 807989.
‡Included in Valve Overhaul Kit – Part No. 807990.



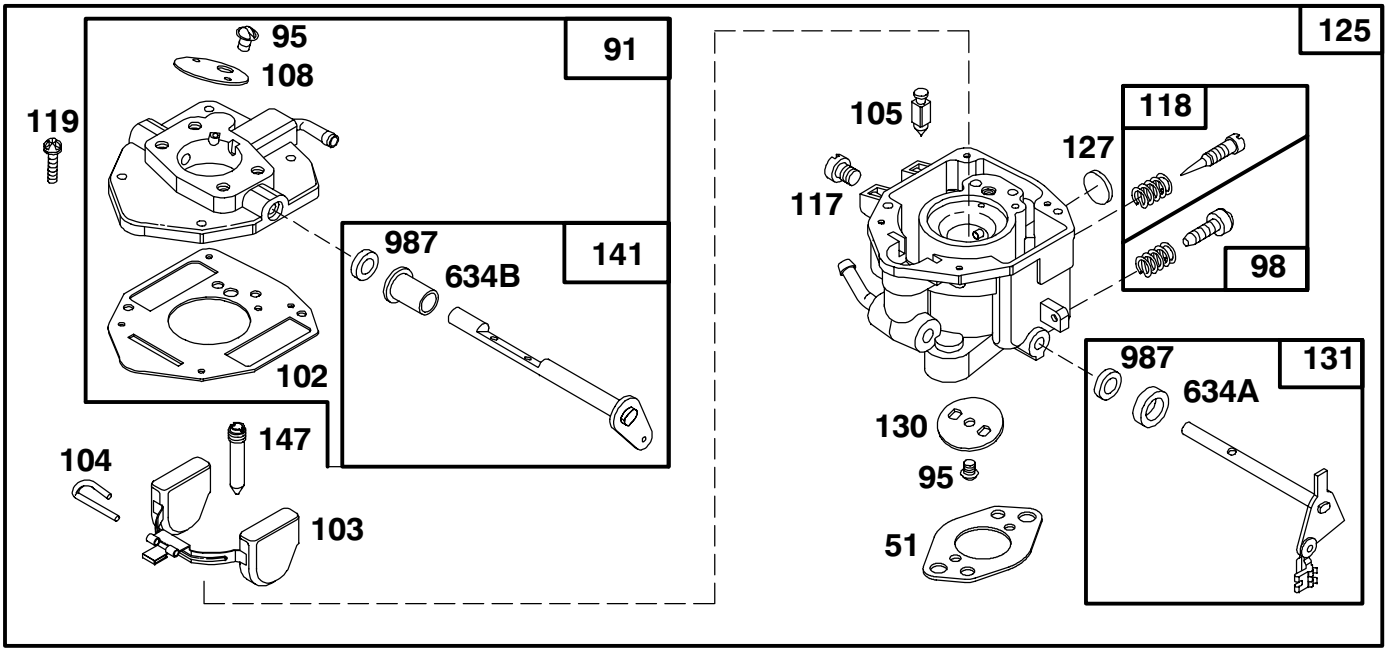
Assemblies include all parts shown in frames.

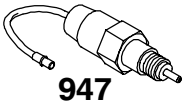
ENGINE BRIGGS & STRATTON MODEL 303447 – 0480 – 01

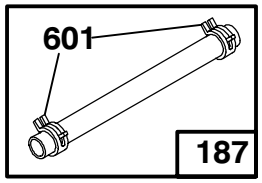
Ref. No.	Part No.	Description	No. Used
16	808056	Crankshaft **Note:** To Replace Crankshaft Timing Gear Key Order Part No. 94196. 807625 Washers – Thrust	1
17	805754	Bearing – Ball	1
24	805016	Key – Flywheel	1
25	807619	Piston Assembly (Standard)	1
	807807	Piston Assembly .010 O.S.	1
	807809	Piston Assembly .020 O.S.	1
	807811	Piston Assembly .030 O.S.	1
26	807620	Ring Set – Piston (Standard)	1
	807808	Ring Set – Piston .010 O.S.	1
	807810	Ring Set – Piston .020 O.S.	1
	807812	Ring Set – Piston .030 O.S.	1

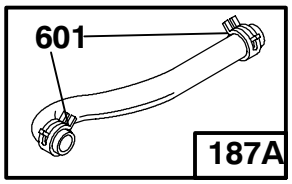
Ref. No.	Part No.	Description	No. Used
27	805099	Lock – Piston Pin	1
28	807621	Piston Pin Assembly	1
29	807900	Connecting Rod Assembly	1
32	805395	Screw – Connecting Rod	1
39	805654	Deflector – Oil	1
46	807542	Gear – Cam	1
*116	805058	O–Ring (Oil Pump)	1
*116B	805316	O–Ring (Pick – Up Tube)	1
243	807598	Screen – Oil Pump Pick-Up	1
305	805406	Screw	1
741	805675	Gear – Timing	1
819	805057	Screw	1
823	805317	Screw – Mounting	1
1024	807644	Oil Pump Assembly	1
1025	805313	Slider – Governor	1

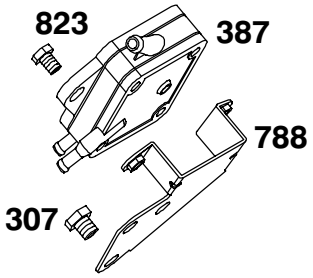
*Included in Gasket Set – Part No. 807989.











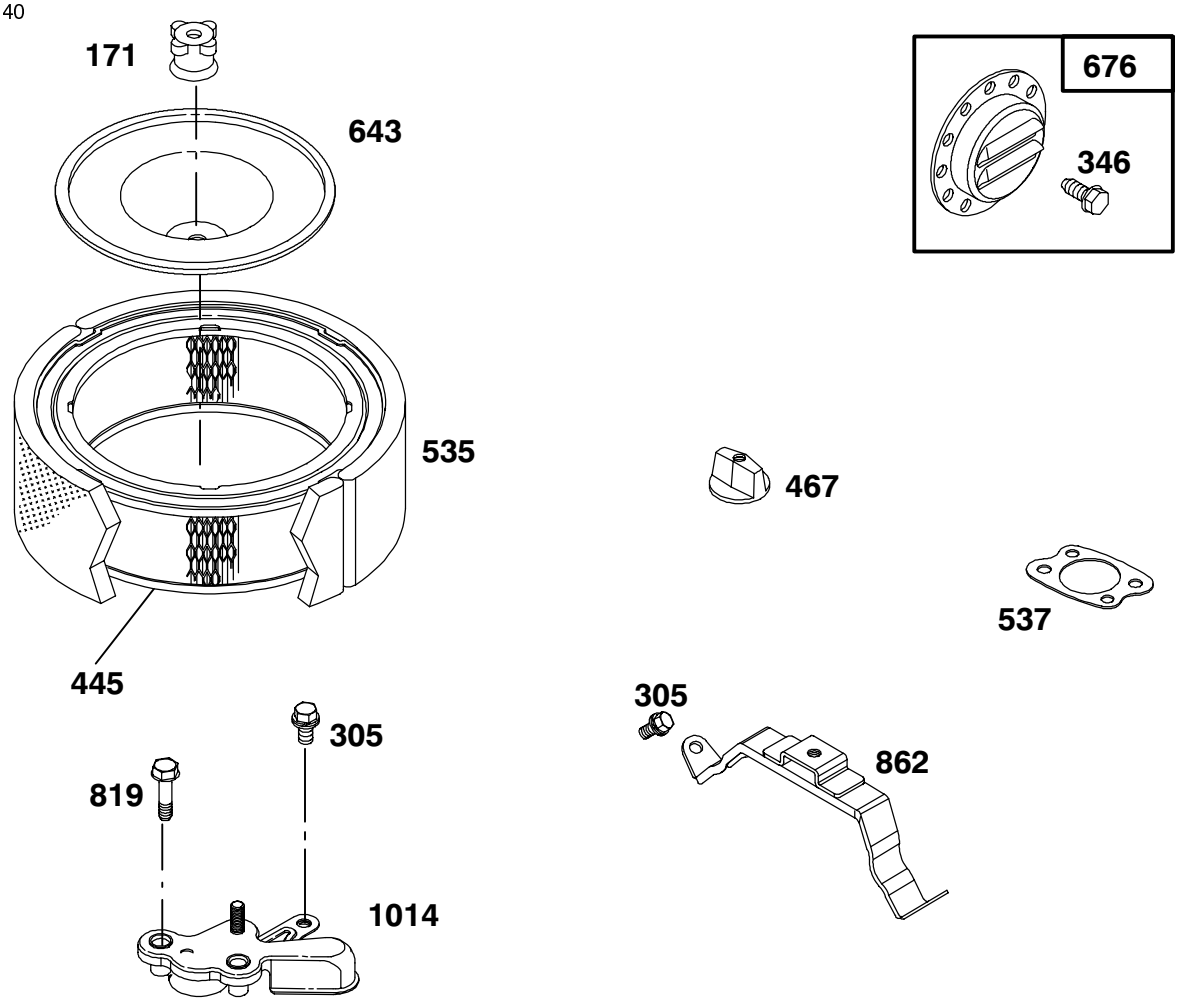
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–0480–01

Ref. No.	Part No.	Description	No. Used
*51	805700	Gasket – Carburetor Mtg.	1
91	807919	Body – Upper Carburetor	1
95	805538	Screw – Valve Mtg.	1
98	807718	Screw – Throttle Adj.	1
†102	805541	Gasket – Intake Elbow	1
103	805546	Float Assembly	1
†104	805545	Pin – Float Hinge	1
†105	805547	Valve – Fuel Inlet	1
108	805539	Valve – Choke	1
†117	805853	Jet – Main	1
†118	807719	Valve – Idle Adjust Needle	1
119	805540	Screw – Upper Body Mtg.	1
125	807918	Carburetor Assembly	1
†127	805559	Plug – Welch	1
130	805554	Valve – Throttle	1

Ref. No.	Part No.	Description	No. Used
131	807720	Shaft – Throttle	1
141	807722	Shaft – Choke	1
†147	805553	Jet – Slow Speed	1
187	393815	Hose – Fuel (Cut to Suit)	1
187A	398367	Hose–Fuel	1
307	805025	Screw	1
387	491922	Pump – Fuel	1
601	93053	Clamp – Hose	1
†634A	805557	Collar – Throttle	1
634B	805543	Collar – Choke	1
788	807685	Bracket – Fuel Pump	1
823	805317	Screw – Mounting	1
947	807664	Solenoid	1
†987	805544	Seal – Shaft	1

†Included in Carburetor Kit – Part No. 807726.

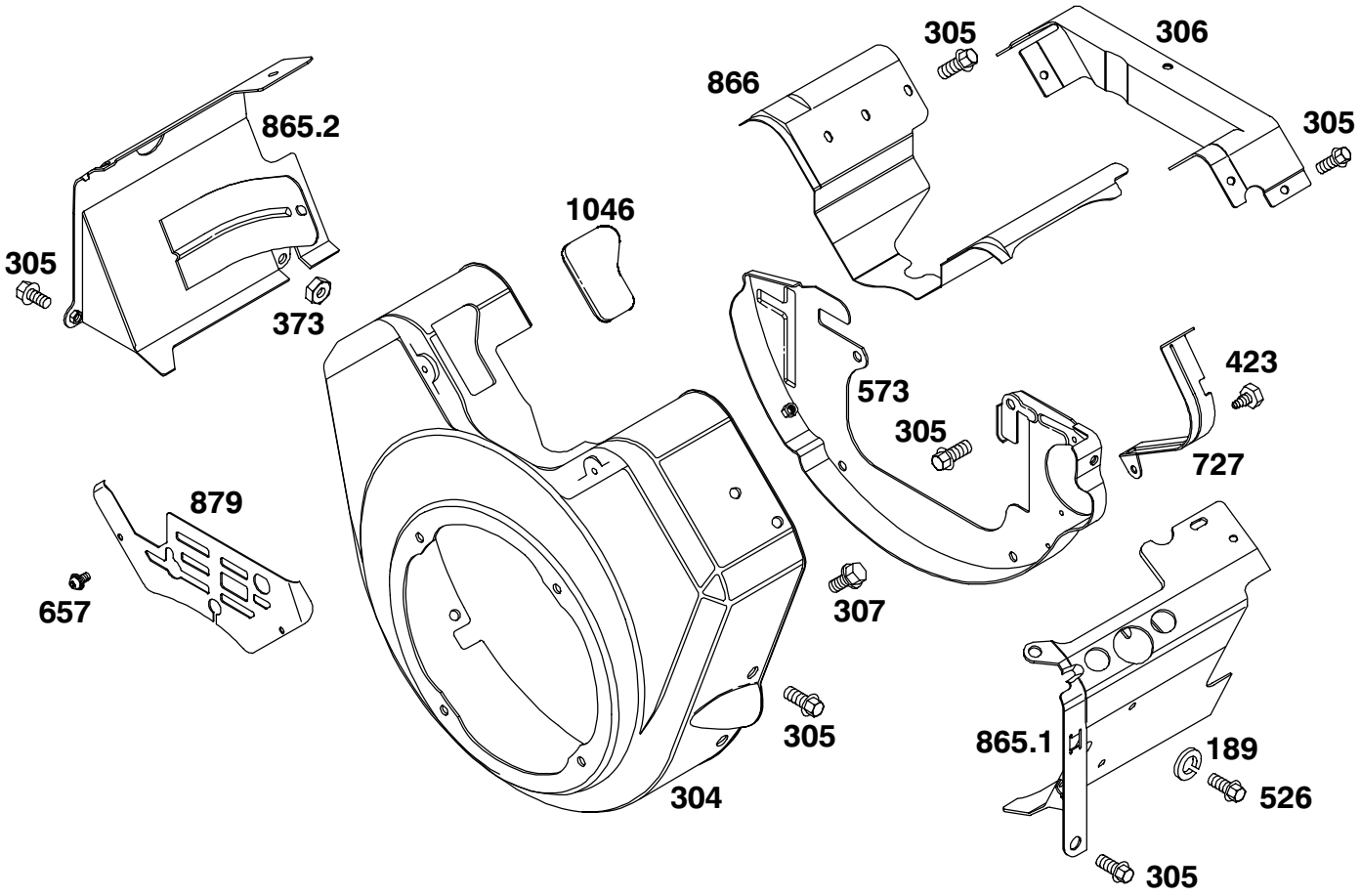


ENGINE BRIGGS & STRATTON MODEL 303447 – 0480 – 01

Ref. No.	Part No.	Description	No. Used
171	281051	Nut – Air Cleaner	1
305	805406	Screw – Sem	1
346	93705	Screw – Hex. Hd.	1
445	394018	Cartridge – Air Cleaner	1
467	491875	Knob – Air Cleaner	1
*537	805655	Gasket – Air Cleaner	1

Ref. No.	Part No.	Description	No. Used
643	805631	Plate – Air Cleaner	1
676	397630	Deflector – Exhaust	1
819	805057	Screw – Hex. Hd.	1
862	807796	Bracket – Air Cleaner	1
1014	807797	Shield – Assy.	1

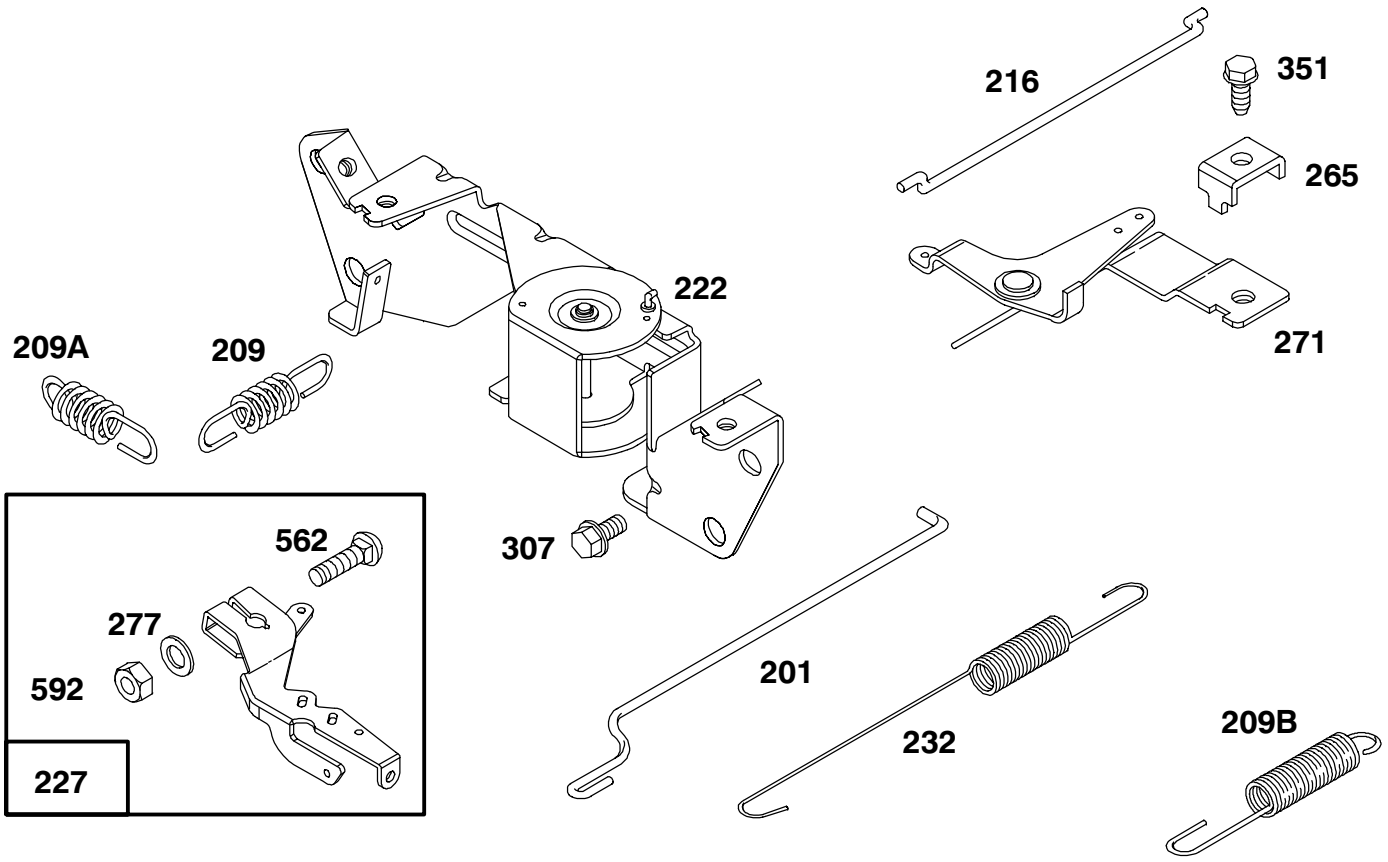
*Included in Gasket Set – Part No. 807989.



ENGINE BRIGGS & STRATTON MODEL 303447–0480–01

Ref. No.	Part No.	Description	No. Used
189	805449	Washer – Lock	1
304	807898	Housing – Blower	1
305	805406	Screw – Sem	1
306	807661	Cover – Valley Extension	1
307	805025	Screw	1
373	805383	Nut – Hex	1
423	805260	Screw	1
526	805448	Screw – Mounting	1
573	807663	Back Plate Assembly	1

Ref. No.	Part No.	Description	No. Used
657	805009	Screw	1
727	805505	Shield – Starter	1
865.1	807870	Cover – Air Guide (Cyl. #1)	1
865.2	807871	Cover – Air Guide (Cyl. #2)	1
866	805738	Valley Cover – Air Guide	1
879	805841	Cover – Carburetor	1
1046	805753	Plug – Blower Housing	1

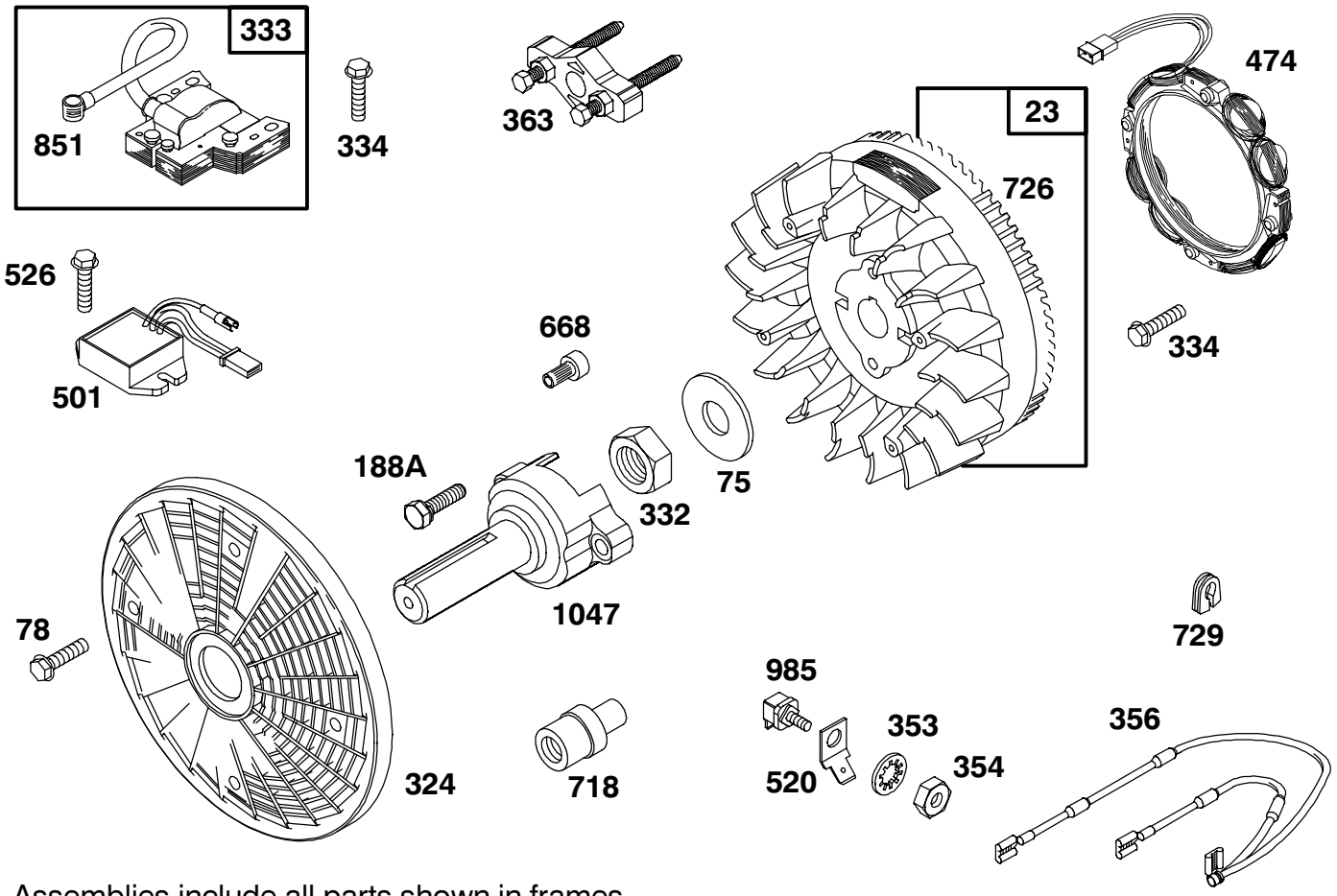


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447 – 0480 – 01

Ref. No.	Part No.	Description	No. Used
201	805480	Link – Governor	1
209	805463	Spring – Governor	1
209A	805453	Spring – Governed Idle	1
209B	805450	Spring – Governor	1
216	805439	Link – Choke	1
222	807610	Bracket – Governor Control	1
227	807528	Lever Assembly – Governor	1
232	805465	Spring – Governor Link	1

Ref. No.	Part No.	Description	No. Used
265	221535	Clamp – Casing	1
271	807609	Bracket – Choke Control	1
277	805018	Washer	1
307	805025	Screw	1
351	805169	Screw – Hex. Head	1
562	805381	Bolt	1
592	805383	Nut – Hex.	1

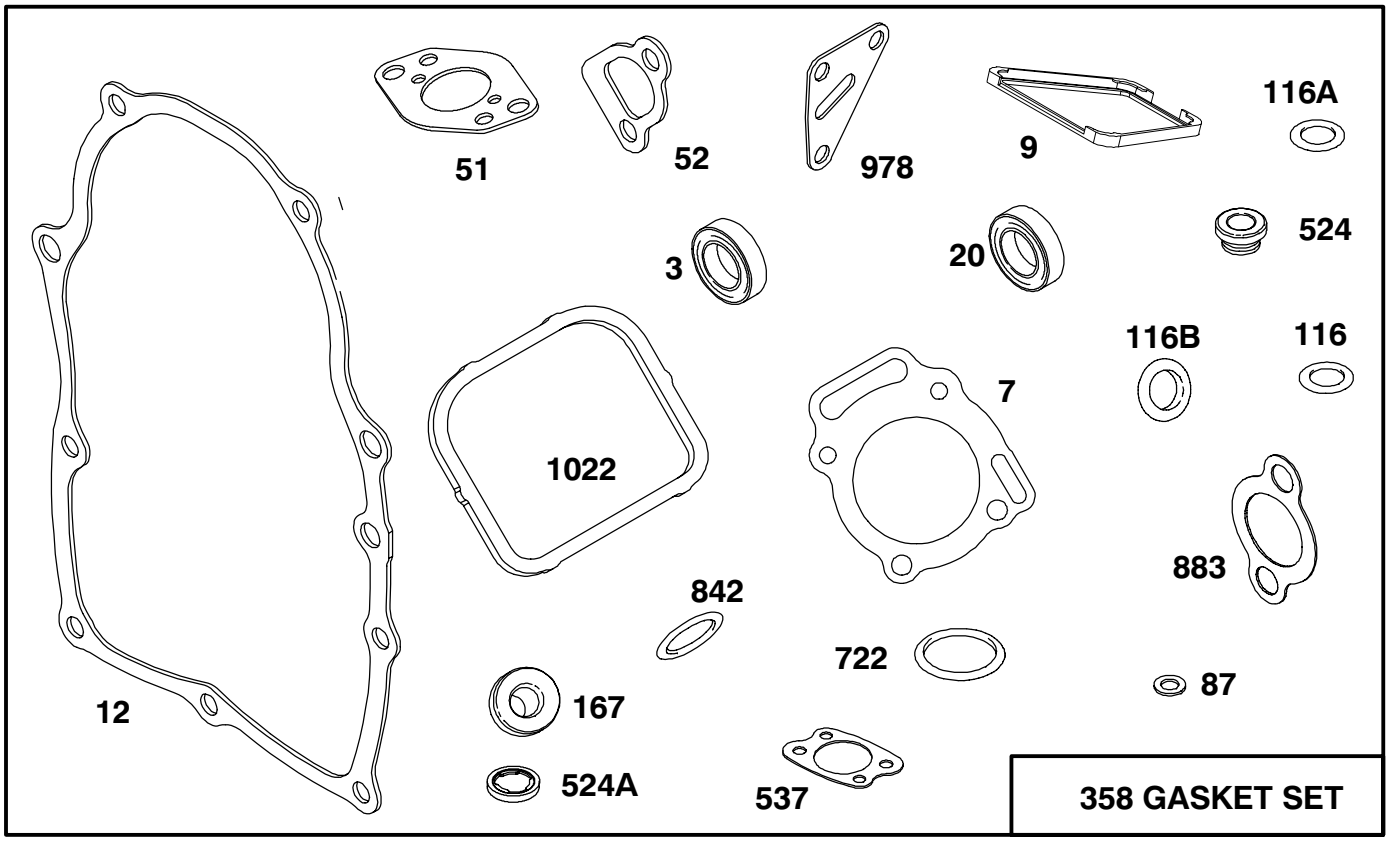


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–0480–01

Ref. No.	Part No.	Description	No. Used
23	808128	Flywheel – Magneto	1
75	805007	Washer – Spring	1
78	805447	Screw	1
188A	93847	Screw – Hex. Hd.	1
324	805723	Screen – Rotating	1
332	805021	Nut – Hex.	1
333	492341	Armature – Magneto	1
334	805407	Screw – Mounting	1
353	92791	Washer – Lock (Internal Tooth)	1
354	90576	Nut – Hex.	1
356	493792	Wire – Assy.	1
363	19203	Puller – Flywheel	1

Ref. No.	Part No.	Description	No. Used
474	393295	Stator – Alternator	1
501	394890	Regulator – Alternator	1
520	93722	Terminal – Spade	1
526	805448	Screw – Mtg.	1
668	805402	Spacer	1
718	805613	Pin – Pilot	1
726	808162	Gear – Flywheel Ring Includes Mounting Hardware	1
729	805641	Grommet	1
851	221798	Terminal – Ignition Cable	1
985	398525	Insulator	1
1047	262949	Shaft – Stub	1



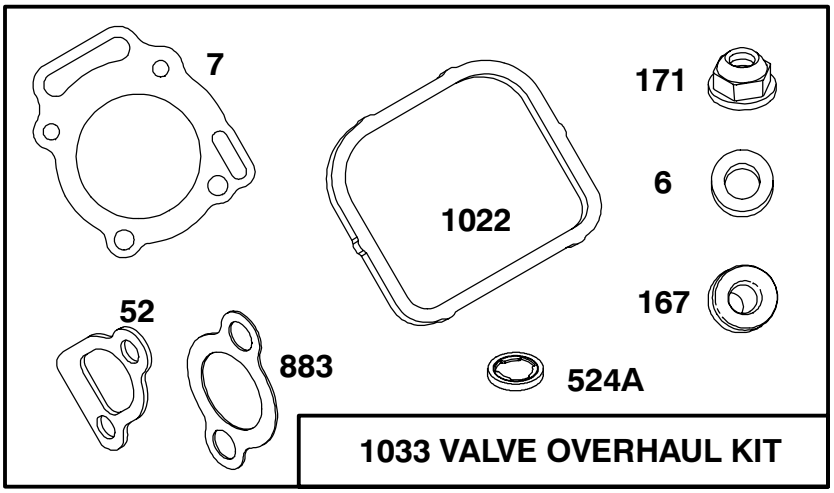
Assemblies include all parts shown in frames.

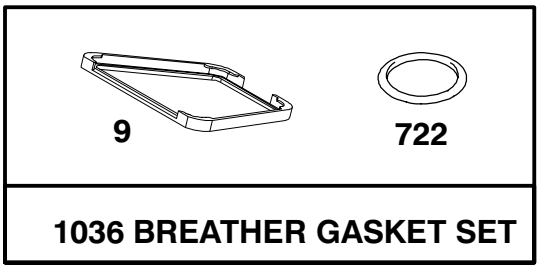
ENGINE BRIGGS & STRATTON MODEL 303447 – 0480 – 01

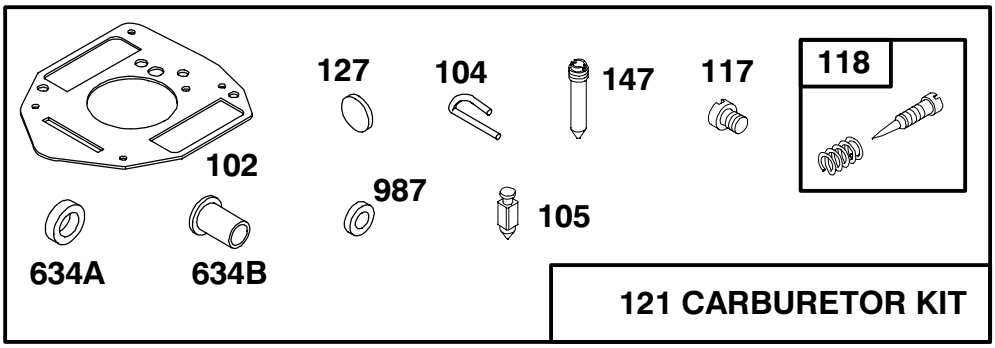
Ref. No.	Part No.	Description	No. Used
*3	805101	Seal – Oil	1
*‡7	807986	Gasket – Cylinder Head	1
*9	805379	Gasket – Breather	1
*12	805112	Gasket – Crankcase Cover	1
*20	805049	Seal – Oil	1
*51	805700	Gasket – Carburetor Mtg.	1
*52	805023	Gasket – Intake Manifold	1
*87	805054	Seal – Governor Shaft	1
*116	805058	O–Ring (Oil Pump)	1
*116A	805198	O–Ring (Crankcase Cover)	1
*116B	805316	O–Ring (Pick – Up Tube)	1

Ref. No.	Part No.	Description	No. Used
*‡167	805420	Washer – Valve Cover	1
358	807989	Gasket Set	1
*524	805259	Seal – Filler Tube	1
*‡524A	271983	Seal – Filler Plug	1
*537	805655	Gasket – Air Cleaner	1
*722	805483	Seal – Breather Screw	1
*842	805386	O–Ring	1
*883	805024	Gasket – Exhaust Manifold	1
*978	805250	Gasket – Oil Filter Adapter	1
*‡1022	805028	Gasket – Valve Cover	1

*Included in Gasket Set – Part No. 807989.
‡Included in Valve Overhaul Kit – Part No 807990.







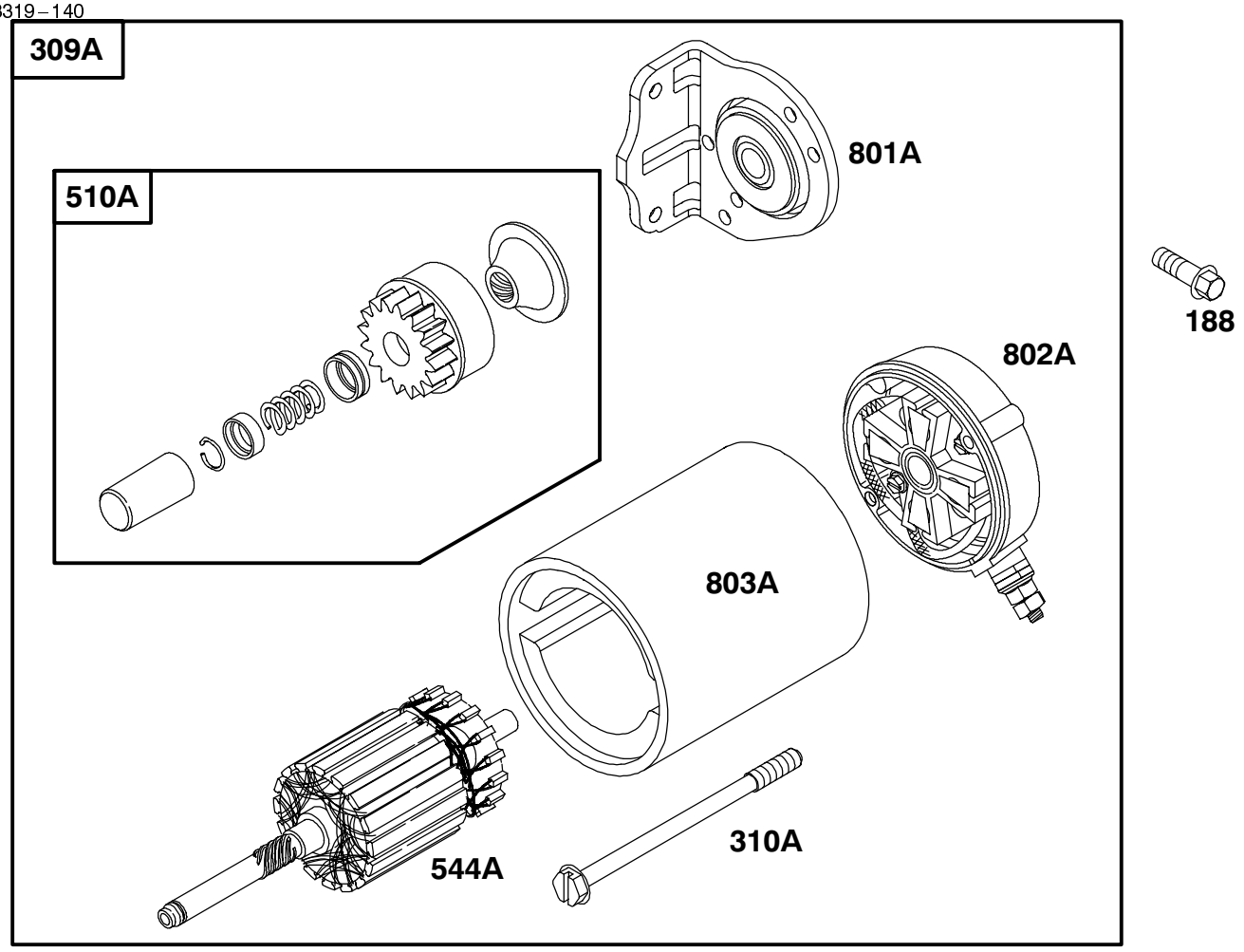
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–0480–01

Ref. No.	Part No.	Description	No. Used
‡6	805193	Washer – Cylinder Head	1
*‡7	807986	Gasket – Cylinder Head	1
*9	805379	Gasket – Breather	1
*‡52	805023	Gasket – Intake Manifold	1
†102	805541	Gasket – Intake Elbow	1
†104	805545	Pin – Float Hinge	1
†105	805547	Valve – Fuel Inlet	1
†117	805853	Jet – Main	1
†118	807719	Valve – Idle Adjusting	1
121	807726	Carburetor Kit	1
†127	805559	Plug – Welch	1
†147	805553	Jet – Slow Speed	1

Ref. No.	Part No.	Description	No. Used
*‡167	805420	Washer – Valve Cover	1
‡171	805019	Nut – Nylock	1
*‡524A	271983	Seal – Filler Plug	1
†634A	805557	Collar – Throttle	1
†634B	805543	Collar – Choke	1
*722	805483	Seal – Breather Screw	1
*‡883	805024	Gasket – Exhaust Manifold	1
†987	805544	Seal – Shaft	1
*‡1022	805028	Gasket – Valve Cover	1
1033	807990	Overhaul Kit – Valve	1
1036	807688	Gasket Set – Breather	1

*Included in Gasket Set – Part No. 807989.
†Included in Carburetor Kit – Part No. 807726.
‡Included in Valve Overhaul Kit – Part No. 807990.



ENGINE BRIGGS & STRATTON MODEL 303447–0480–01

Ref. No.	Part No.	Description	No. Used
188	805247	Screw–Hex. Head	1
309A	808106	Motor–Starter	1
310A	496880	Bolt–Thru	1
510A	496881	Drive–Starter	1
544A	496816	Armature–Starter	1

Ref. No.	Part No.	Description	No. Used
801A	496814	Cap–Drive	1
802A	496813	Cap–End (Includes Brush Set 496887)	1
803A	496815	Housing–Starter	1

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3–6498	Washer – Thrust	14	5	1
10–6830	Stud – Drive	4	27	4
10–6850	Drum – Brake	23	16	2
14–7579	Cooler Mount Assembly	18	25	1
18–6320	Washer	4	2	3
18–6380	Bolt – Adjustment	6	17	2
18–6380	Pin – Adjusting	14	9	1
21–2480	Hose – Fuel	11	13	1
22–8330	Plug	21	1	2
22–8340	Spring	21	3	2
22–8350	Ball	21	4	2
22–8360	Pin – Cam	21	6	2
22–8370	Seat–Check Valve	21	5	2
22–8380	Retainer – Spring	21	10	2
22–8410	Spring	21	11	1
22–8420	Spool	21	8	1
22–8480	Ring – Retaining, Spool	21	13	1
22–8490	Ring – Retaining	21	14	1
22–8500	O–Ring	21	9	2
23–3030	Spacer	21	12	1
23–8910	Fitting – Hydraulic 90°	18	9	2
23–9740	Element – Hydraulic Filter	18	18	1
25–2380	Plate – Thrust	17	50	1
25–2400	Gasket – Cap, End	16	14	1
25–2430	Pin	16	13	1
25–2450	Swashplate	17	48	1
25–2460	Plug	16	29	2
25–2470	Kit – Shim	16	30	2
25–2480	Spring	16	42	1
25–2490	Ball	16	4	2
25–2500	Shaft – Trunnion	16	43	1
25–2510	Washer	16	26	2
25–2570	Spring	16	31	1
25–2600	Kit–Cylinder Block	16	16	1
25–2640	Spring	16	3	2
25–2650	Plug	16	1	2
25–2690	Housing – Pump, Charge	16	35	1
25–3180	Kit–Valve, Check	17	*	1
25–3210	Seal – Lip	16	25	2
26–3790	Nut – Lock	4	17	1
26–3790	Nut – Lock	23	22	2
27–2320	Bearing – Side Flange	8	7	2
27–6600	Spacer – Coupler	15	13	8
28–4210	Solenoid – Starter	1	23	1
29–6163	Switch – Neutral	14	20	1
38–3400	Guard – Rubber	12	18	1
39–9600	Clamp – Ammeter	9	16	1
43–1950	Lift Valve Assembly	20	17	1
43–5220	Ring – Retaining	27	12	1
43–5230	Shaft with Clevis	27	13	1
43–5260	Barrel w/Clevis & Ports	27	2	1
46–7510	Hood – Air Inlet	2	47	1
46–8400	Bearing – Roller	17	51	1
47–2964	Hose – Fuel	12	19	1
47–2964	Hose – Fuel	11	25	1
48–7620	Screw – Cap Hex. Hd.	12	7	3
48–9510	Nut – Lock	2	52	1
49–2040	Screw – Hex. Flange Hd.	14	6	3
49–8510	Kit–Relief, Charge	17	*	1
49–8520	Kit–Implement Relief	17	*	1
51–0780	Slide – Seat Adjust	7	8	1
51–0790	Slide – Seat Adjust	7	17	1
53–6380	Washer	26	12	1
56–7720	Rod – Battery Hold–Down	11	12	2
56–7976	Clamp – Tube	4	36	1
56–7981	Sleeve – Protective	26	10	1
57–5420	Screw – Shoulder	18	41	1
61–2710	Fitting – Hydraulic 90°	15	32	1
61–3770	Hydraulic Filter Head Assy.	18	15	1
63–8360	Key – Ignition	9	8	1
63–8410	Washer – Flat	11	19	4
65–8770	Bushing – Flange	6	21	2
66–2950	Hour Meter Assembly	9	10	1
67–8050	Bearing – Needle	16	37	1
67–8060	Seal – Lip	16	36	1
67–9410	Washer – Flat	8	14	2
69–9760	Plate – Cover	4	37	1
70–2770	Head	27	10	1
70–2780	Piston	27	5	1
70–9840	Lining – Shoe	23	15	4
70–9860	Shaft – Cam	23	24	2
70–9870	Plate – Backing	23	12	2
70–9880	Spring – Return	23	14	4
71–1500	Assembly – Brake	23	*	2
72–4790	Hold–Down – Battery	11	8	1
74–0720	Tube – Manual	7	4	1
74–9100	Pad – Forward	13	16	1
74–9110	Pad – Reverse	13	4	1
75–0540	Teather	18	2	1
75–4705	Hose – Fuel	12	47	1
75–5470	Spacer	14	18	1
75–9830	Hydraulic Motor Assembly	4	24	1
75–9831	Hydraulic Motor Assy. L.H.	23	1	1
75–9840	Hydraulic Motor Assy. R.H.	23	36	1
76–0810	Assembly – Housing	24	*	1
76–0810	Assembly – Housing	25	*	1
76–0810	Assembly – Housing	5	*	1
76–0820	Link – Drive	24	13	7
76–0820	Link – Drive	25	13	1
76–0830	Rotor Set	24	*	1
76–0830	Rotor Set	25	*	1
76–0840	Manifold	24	22	1
76–0840	Manifold	25	22	1
76–0840	Manifold	5	22	1
76–0850	Bearing – Thrust	24	12	1
76–0850	Bearing – Thrust	25	12	1
76–0850	Bearing – Thrust	5	12	1
76–0860	Shaft – Coupling	24	11	1
76–0860	Shaft – Coupling	25	11	1
76–0860	Shaft – Coupling	5	11	1
76–0870	Plate – Wear	24	18	1
76–0870	Plate – Wear	25	18	1
76–0870	Plate – Wear	5	18	1
76–0880	Assembly – Commutator	24	*	1
76–0880	Assembly – Commutator	25	*	1
76–0880	Assembly – Commutator	5	*	1
76–0890	Assembly	25	29	1
76–0930	Link – Drive	5	13	7
76–0940	Assembly – Cover, End	24	24	1
76–0940	Assembly – Cover, End	5	24	1
76–0950	Rotor Set	5	*	1
76–1020	Screw – Cap, Hex. Hd.	24	14	1
76–1030	Screw – Cap, Hex. Hd.	5	14	1
76–1040	Screw – Cap, Hex. Hd.	25	14	7
76–1420	Wheel – Steering	6	1	1
76–8640	Stud – Traction	14	14	1
77–3100	Decal – Caution	18	38	2
80–2060	Muffler	12	14	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
80–2110	Cable – Solenoid–Starter	10	2	1
80–2120	Wire Harness – Main	10	1	1
80–2120	Wire Harness Assembly	9	12	1
80–2150	Pad – Litterbox	2	32	1
80–8290	Plate – Hot Surface	12	10	1
80–8650	Coupler – Rubber	15	14	2
83–0020	Ignition Switch Assembly	9	5	1
83–0820	Ammeter Assembly	9	9	1
83–1031	Mount – Engine	12	31	4
83–1390	Fitting – Fuel Shut–Off	11	15	1
83–2220	Deflector – Exhaust	12	13	1
83–2230	Screw	12	12	4
83–2240	Arrester – Spark	12	*	1
83–2420	Cable – Positive	10	3	1
83–2420	Cable – Positive	12	25	1
83–6140	Plate – Hot (Japanese)	12	10	1
83–7000	Cylinder Assembly	26	2	1
83–7250	Seal Repair Kit	27	14	1
83–7260	Cone – Charge Relief	16	32	2
83–9310	Arm – Brake	23	5	2
83–9310	Arm – Brake	8	10	2
84–2000	Bracket – Brake	23	28	2
84–6760	Decal – Caution (Japanese)	18	38	2
85–0290	Spacer – Seat Support	7	10	2
85–0380	Tube – Hydraulic	20	16	1
85–0380	Tube – Hydraulic	23	41	1
85–6540	Stud – Drive	23	23	8
85–7600	Frame Assembly	2	28	1
85–7610	Hose – Hydraulic	18	11	1
85–7680	Hose – Hydraulic	18	17	1
85–7680	Hose – Hydraulic	15	30	1
85–7760	Tube – Hydraulic	19	12	1
85–7760	Tube – Hydraulic	23	34	1
85–8000	Engine Assembly	12	46	1
85–8030	Chain	6	19	1
85–8290	Tire	4	16	1
85–8290	Tire	23	18	2
85–8300	Lever – Pump	14	2	1
85–8360	Seal – Cover	12	3	1
85–8370	Cover – Air Cleaner	12	2	1
85–8430	Base – Air Cleaner	12	48	1
85–8450	Rod – Control	13	9	1
85–8460	Switch Arm Assembly	14	12	1
85–8490	Panel – Front R.H.	2	29	1
85–8570	Shroud – Lower	18	24	1
85–8600	Support – Engine	12	33	1
85–8640	Base – Engine	12	38	1
85–8670	Hub – Fan	15	27	1
85–8700	Hub – Pump	15	19	1
85–8730	Hub – Engine	15	18	1
85–8770	Coupling	15	16	1
85–8780	Tread – Floor R.H.	2	*	1
85–8790	Tread – Floor L.H.	2	38	1
85–8800	Decal – Sand Pro 5000	2	34	2
85–8820	Decal – Control	1	6	1
85–8830	Decal – Console	9	21	1
85–8840	Decal – Warning	1	11	1
85–8860	Decal – Eccentric Bolt	14	22	1
85–8880	Decal – Danger	2	36	3
85–8890	Panel – Console	9	18	1
85–8900	Lever – Lift Valve	20	23	1
85–8930	Retainer – Boot	11	22	1
85–8940	Flange – Bearing Lube	4	11	1
85–8950	Flange – Bearing	4	9	1
85–8960	Spacer	13	3	1
85–8970	Shield – Chain	6	15	1
85–9010	Boot – Steering	11	21	1
85–9020	Key – Square	15	17	1
85–9030	Spring – Extension	14	10	1
85–9070	Console Assembly	9	2	1
85–9120	Spacer	6	10	3
85–9120	Spacer	14	17	1
85–9140	Hose – Fuel	11	17	1
85–9150	Plate – Switch	14	19	1
85–9160	Spacer	26	1	1
85–9170	Pin – Cylinder	26	4	1
85–9180	Sprocket	6	20	1
85–9190	Plate – Control	2	33	1
85–9200	Joint – Universal	6	23	1
85–9210	Shaft – Steering Lower	6	22	1
85–9220	Shaft – Steering Upper	6	27	1
85–9230	Support – Seat	7	9	1
85–9310	Control – Throttle & Choke	2	31	2
85–9320	Rod – Seat Prop	7	15	1
85–9360	Tube – Hydraulic	19	19	1
85–9360	Tube – Hydraulic	4	34	1
85–9370	Tube – Hydraulic	19	23	1
85–9370	Tube – Hydraulic	4	35	1
85–9390	Tube – Hydraulic	19	11	1
85–9390	Tube – Hydraulic	23	33	1
85–9400	Tube – Hydraulic	19	21	1
85–9400	Tube – Hydraulic	23	35	1
85–9410	Tube – Hydraulic	19	20	1
85–9410	Tube – Hydraulic	23	37	1
85–9420	Hydraulic Tube Assembly	15	5	1
85–9420	Tube – Hydraulic	19	10	1
85–9450	Hose – Hydraulic	15	36	1
85–9460	Cooler – Oil	18	30	1
85–9510	Screen – Filler	18	4	1
85–9550	Clamp – Rubber	18	35	2
85–9560	Fan	15	28	1
85–9570	Hose – Hydraulic	20	11	1
85–9570	Hose – Hydraulic	26	14	1
85–9580	Hose – Hydraulic	20	4	1
85–9580	Hose – Hydraulic	26	5	1
85–9590	Hose – Hydraulic	15	25	1
85–9590	Hose – Hydraulic	18	28	1
85–9600	Hose – Hydraulic	20	12	1
85–9600	Hose – Hydraulic	15	21	1
85–9610	Hose – Hydraulic	15	4	1
85–9620	Hose – Hydraulic	15	1	1
85–9630	Hose – Hydraulic	4	23	1
85–9640	Hose – Hydraulic	4	22	1
85–9660	Plate – Seat	7	5	1
85–9670	Nut – T	18	34	2
85–9680	Panel – Front L.H.	2	27	1
85–9720	Fitting – Hydraulic Orificed	20	6	1
87–2710	Lever Assembly	8	22	1
87–4710	Spacer – Parking Brake	8	24	1
88–8110	Screen Assembly R.H.	18	33	1
88–8120	Screen Assembly L.H.	18	31	1
88–8130	Top Panel Assembly	2	30	1
88–8160	Plate – Valve	16	15	1
88–8170	Asm–Housing, Variable	16	45	1
88–8180	Shaft – Trunnion	16	27	1
88–8190	Bearing – Journal	16	24	1
88–8210	Plug	16	33	2
88–8230	Seal – Lip	17	53	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
88–8280	Lever – Steering Adjust	19	2	1
88–8280	Lever – Steering Adjust	6	6	1
88–8290	Steering Column Assembly	6	25	1
88–8330	Cable – Engine Ground	10	4	1
88–8330	Cable – Negative	12	21	1
88–8340	Trim – Panel	2	35	1
88–8350	Tab – Bearing	4	39	1
88–8390	Cover – Cable	12	22	1
88–8480	Bracket – Pivot	20	8	1
88–8490	Decal – Infield Pro 5000	2	*	2
88–8510	Dowel	6	29	2
88–8520	Block – Lock Lower	6	30	1
88–8530	Block – Lock Upper	6	8	1
88–8630	Decal – 2 Wheel Drive	7	22	1
92–1678	Battery	11	9	1
92–1715	Spacer	23	29	8
92–1850	Decal – Operating	2	37	1
92–1855	Decal – Control (Japanese)	1	6	1
92–1860	Decal – Console (Japanese)	9	21	1
92–1865	Decal – Warning (Japanese)	1	11	1
92–1870	Decal – Service (Japanese)	7	7	1
92–1871	Decal – Service (French)	7	7	1
92–1872	Decal – Service (Spanish)	7	7	1
92–1873	Decal – Service (German)	7	7	1
92–1874	Decal – Service (Swedish)	7	7	1
92–1875	Decal – Danger (Japanese)	2	36	3
92–1880	Decal – Eccentric Bolt	14	22	1
92–2327	Spacer – Lever	19	3	1
92–2328	Spacer – Hose	19	4	1
92–2329	Hose – Stem	19	6	1
92–2331	Spring – Extension	19	7	1
92–2332	Plate – Spring	19	26	1
92–2335	Decal – 3 Wheel Drive	7	23	1
92–2338	Pivot Assembly	19	25	1
92–2343	Pedal Assembly	13	15	1
92–2344	Trunnion	13	11	1
92–2348	Hydraulic Tube Assembly	15	3	1
92–2348	Tube – Hydraulic	19	22	1
92–2349	Tube – Hydraulic	20	21	1
92–2349	Tube – Hydraulic	18	37	1
92–8776	Plug	16	5	2
92–8777	O–Ring	16	6	2
92–8958	Tank – Fuel	11	2	1
92–8959	Reservoir – Hydraulic	18	40	1
92–8969	Shaft – Axle	4	7	1
92–8976	Seat	7	19	1
92–8977	Hose – Air Cleaner	1	12	1
93–2190	Air Cleaner Assembly	1	14	1
93–2191	Mounting Band Assembly	2	51	1
93–2195	Element – Air Cleaner	2	*54	1
93–3101	Cap – Fuel	11	1	1
93–4365	Reservoir Cap Assembly	18	3	1
93–6668	Decal – Battery	11	27	1
93–6838	Hub	4	18	1
93–6838	Hub – Wheel	23	17	2
93–6850	Brake Lever Assembly	23	11	2
93–7170	Cap – Fuel (Europe)	11	1	1
93–7252	Decal – CE Mark (Europe)	2	44	1
93–7272	Decal – Caution (Europe)	18	38	2
93–7276	Decal – Danger	11	26	1
93–7442	Decal – Parking Lever	2	55	1
93–9050	Decal – Operating (Europe)	2	37	1
93–9051	Decal – Eccentric Bolt	14	22	1
93–9052	Decal – Danger (Europe)	2	36	3
93–9053	Decal – Warning (Europe)	1	11	1
93–9055	Decal – Control (Europe)	1	6	1
93–9056	Decal – Console (Europe)	9	21	1
93–9057	Decal – Service (Danish)	7	7	1
93–9058	Decal – Service (Dutch)	7	7	1
93–9059	Decal – Service (Finnish)	7	7	1
93–9060	Decal – Service (Italian)	7	7	1
93–9061	Decal – Service (Norwegian)	7	7	1
93–9062	Decal – Service	7	7	1
94–1414	Valve	2	*53	1
94–1889	Fender Extension – L.H.	3	*	1
94–1890	Fender Extension – R.H.	3	1	1
94–2690	Filter – Fuel	11	24	1
94–3652	Cover Assembly	2	48	1
94–3653	Bolt	2	49	1
94–3654	Spring – Compression	2	50	1
94–4513	Ring – Retaining	6	9	1
94–4514	Pin – Tilt Lock	6	4	1
94–6044	Fender Assembly L.H.	1	16	1
94–6116	Rim	4	5	1
94–6116	Rim	23	20	2
94–8178	Kit – Seal	24	*	1
94–8178	Kit – Seal	25	*	1
94–8178	Kit – Seal	5	*	1
95–0553	Plate – Pump	14	7	1
95–0632	Cover	12	53	1
95–0639	Decal – Service	7	7	1
95–0645	Decal – Hot (Europe)	12	10	1
95–5808	Cap – End	16	7	1
95–5809	Ball Bearing	16	20	1
95–5810	Shaft	17	47	1
95–5812	Asm–Gerotor	16	39	1
95–5813	Ring – Retaining	16	21	1
95–5815	Spring – Valve, Acceleration	16	8	1
95–5816	Plug	16	11	2
95–5823	Bracket – Lever	8	2	1
95–5824	Rod – Adjustment	23	9	2
95–5827	Muffler Shield Assembly	12	11	1
95–5829	Decal – Operating	2	37	1
95–5830	Fork – Steering	4	3	1
95–5841	Hydraulic Manifold Assembly	19	13	1
95–5842	Hydraulic Pump Assembly	15	8	1
95–5844	Strap	8	19	2
95–5848	Rod – Traverse	8	16	1
98–0900	Bracket – Bearing LH	8	11	1
98–0901	Bracket – Bearing RH	8	12	1
98–0902	Panel – R.H. Rear	1	2	1
98–0903	Panel – Rear L.H.	1	24	1
98–0904	Fender – R.H.	1	7	1
98–0920	Valve – Acceleration	16	9	2
218–461	Nut – Lock	9	7	1
218–594	Fuse – 20 Amp	9	11	2
232–35	Valve – Stem	4	15	1
232–35	Valve – Stem	23	19	2
233–39	Handle	6	3	1
233–39	Handle	20	24	1
233–39	Handle	19	28	1
237–21	Seal – O–Ring	26	15	2
237–21	Seal–O–Ring	20	5	2
237–22	Seal – O–Ring	15	24	2
237–22	Seal – O–Ring	18	29	2
237–22	Seal – O–Ring	23	40	1
237–22	Seal–O–Ring	20	13	3
237–30	O–Ring	16	12	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
237–30	Seal – O–Ring	15	2	4
237–30	Seal – O–Ring	4	21	4
237–30	Seal–O–Ring	19	16	8
237–30	Seal–O–Ring	23	32	4
237–42	O–Ring	21	2	2
237–42	Seal – O–Ring	15	22	2
237–42	Seal – O–Ring	23	38	1
237–42	Seal–O–Ring	20	15	2
237–78	O–Ring	27	1	2
237–78	Seal – O–Ring	26	16	2
237–78	Seal–O–Ring	20	7	2
237–79	O–Ring	16	10	3
237–79	Seal – O–Ring	18	5	4
237–79	Seal – O–Ring	15	7	3
237–79	Seal–O–Ring	19	14	8
237–80	O–Ring	16	34	2
237–80	Seal – O–Ring	4	19	2
237–80	Seal – O–Ring	15	33	1
237–80	Seal–O–Ring	23	30	4
237–86	O–Ring	16	2	4
237–95	O–Ring	16	40	1
237–143	Grommet	11	5	2
237–146	Seal – O–Ring	18	8	3
237–164	Grommet – Rubber	2	45	1
238–14	Pin – Clevis	8	5	1
240–3	Grommet	1	1	1
240–11	Grommet	18	19	3
240–11	Grommet	11	20	4
242–50	Nut – Lock	23	21	8
242–50	Nut – Lug	4	6	4
2410–73	Retainer – Teather	18	1	1
2412–34	Clamp – Hose	18	10	3
2412–34	Clamp – Hose	15	31	1
2412–36	Clamp – Hose	18	7	1
2412–36	Clamp – Hose	11	16	2
2412–36	Clamp – Hose	15	35	1
2412–93	Clamp – R	11	3	2
2412–98	Clamp – Hose	11	14	3
2412–98	Clamp – Hose	12	17	1
2412–108	Clamp – Worm	19	5	2
2412–109	Clip – J	11	23	1
2412–130	Clamp – Hose	1	13	2
2412–133	Clamp – R	7	1	2
2412–138	Clamp – R	19	9	2
2412–138	Clamp – R	20	18	1
251–307	Bearing	14	16	2
251–352	Bearing Assembly	4	10	1
251–352	Screw – Set	4	14	2
252–82	Bearing – Needle	16	44	1
254–61	Cup – Bearing	4	30	2
254–70	Cone – Bearing	4	29	2
256–113	Bushing – Flange	14	11	2
256–185	Bushing – Sleeve	6	26	1
256–219	Bushing – Flange	13	2	2
2710–11	Link – Connecting	6	18	2
2710–20	Link – Offset	20	2	1
282–2	Clevis – Adjust	23	6	2
283–1	Pin – Clevis	23	8	2
283–62	Pin – Clevis	8	18	1
285–17	Plug	2	46	1
285–17	Plug – Pipe	16	23	2
302–5	Fitting – Grease	4	12	1
302–60	Fitting – Grease	14	13	1
302–60	Fitting – Grease	4	31	1
321–3	Screw – Cap Hex. Hd.	9	1	4
321–3	Screw – Cap Hex. Hd.	11	11	2
321–3	Screw – Cap Hex. Hd.	18	14	6
321–3	Screw – Cap Hex. Hd.	1	18	2
321–4	Screw – HH	23	13	8
321–9	Screw – Hex. Head	8	23	1
321–10	Screw – Cap Hex. Hd.	4	38	1
321–23	Screw – Cap Hex. Hd.	20	3	3
322–1	Screw – Cap Hex. Hd.	1	15	2
322–2	Screw – Cap Hex. Hd.	7	3	10
322–2	Screw – Cap Hex. Hd.	1	9	2
322–2	Screw – Cap Hex. Hd.	18	22	4
322–3	Screw – Cap Hex. Hd.	6	14	3
322–3	Screw – Cap Hex. Hd.	19	17	2
322–4	Screw – Cap Hex. Hd.	15	15	8
322–4	Screw – Cap Hex. Hd.	12	29	8
322–4	Screw – HH	16	38	4
322–5	Screw – Cap Hex. Hd.	6	11	3
322–8	Screw – Cap Hex. Hd.	14	15	1
322–9	Screw – Cap Hex. Hd.	12	36	4
322–11	Screw – Hex. Head	8	20	2
322–14	Screw – Cap Hex. Hd.	13	1	1
322–16	Screw – HH	19	1	1
322–43	Screw – Cap Hex. Hd.	6	5	1
323–5	Screw – Cap Hex. Hd.	11	18	4
323–5	Screw – Cap Hex. Hd.	18	21	3
323–9	Screw – Cap Hex. Hd.	7	12	2
323–10	Screw – Cap Hex. Hd.	14	1	1
323–10	Screw – Cap Hex. Hd.	12	35	2
323–11	Screw – Cap Hex. Hd.	26	3	1
323–11	Screw – Cap Hex. Hd.	12	37	2
323–29	Screw – Cap Hex. Hd.	4	13	3
323–33	Screw – Cap Hex. Hd.	12	34	4
323–34	Screw – Cap Hex. Hd.	26	11	1
323–45	Screw – HH	17	55	4
325–13	Screw – Cap Hex. Hd.	23	26	8
3210–2	Screw – Cap Hex. Hd.	12	54	2
3217–5	Nut	19	24	1
3217–5	Nut – Hex.	11	10	2
3217–25	Nut – Hex	9	15	2
3218–2	Nut – Jam	7	21	2
3218–5	Nut – Jam	13	10	1
3218–13	Nut – Hex.	1	21	2
3219–14	Nut – Hex.	9	17	2
3219–14	Nut – Hex.	1	20	2
3220–2	Nut – Jam	23	7	2
3230–18	Bolt – Carriage	1	8	4
3234–1	Screw – Hex. Head Flange	8	8	4
3234–7	Screw – Hex. Flange Hd.	2	39	4
3234–29	Screw – Hex. Flange Hd.	2	43	2
3241–5	Screw – Set Sq. Hd.	15	11	6
3253–3	Washer – Lock	18	13	2
3253–4	Washer – Lock	7	2	2
3253–7	Washer – Lock	23	27	8
3254–1	Washer – Lock	1	19	2
3254–2	Washer – ITLW	12	24	1
3254–2	Washer – Lock	1	22	2
3254–5	Washer – Lock	9	6	1
3255–7	Washer – ETLW	12	8	3
3255–20	Washer – E.T.L.W.	9	14	2
3256–1	Washer – Flat	9	3	4
3256–4	Washer – Flat	18	20	3
3256–22	Washer – Flat	11	6	2
3256–22	Washer – Flat	18	12	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3256–22	Washer – Flat	1	25	2
3256–23	Washer – Flat	13	5	1
3256–23	Washer – Flat	6	7	4
3256–23	Washer – Flat	8	21	2
3256–24	Washer – Flat	7	11	4
3256–24	Washer – Flat	13	13	2
3256–24	Washer – Flat	12	30	8
3256–26	Washer – Flat	13	8	1
3256–70	Washer – Flat	3	4	16
3257–32	Key – Woodruff	15	9	2
3257–32	Key – Woodruff	16	19	2
3257–42	Key – Woodruff	23	2	2
3257–42	Key – Woodruff	24	17	1
3257–42	Key – Woodruff	5	17	1
3257–42	Key – Woodruff	4	26	1
3257–42	Key –Woodruff	25	17	1
3258–166	Screw – Phillips Hd.	9	4	4
3269–32	Rivet – Pop	12	9	2
3272–6	Pin – Cotter	23	10	2
3272–10	Pin – Cotter	23	4	2
3272–10	Pin – Cotter	8	17	2
3272–12	Pin – Cotter	8	15	2
3272–16	Pin – Cotter	13	7	1
3272–37	Pin – Cotter	4	32	1
3274–4	Pin – Cotter	7	14	2
3274–5	Screw – Hex. Socket Hd.	15	20	2
3274–31	Screw – Hex. Socket Hd.	9	*	3
3274–31	Screw – Hex. Socket Hd.	26	6	3
3274–55	Screw – Hex. Socket Hd.	3	3	8
3274–86	Screw – Hex. Socket Hd.	18	27	2
3274–93	Screw – Hex. Socket Hd.	4	28	2
3289–24	Screw – Socket Flat Hd.	6	28	1
3290–256	Pin – Hair	26	18	2
3290–360	Screw – Cap Hex. Hd.	20	1	2
3290–378	Tie – Cable	9	*	3
3290–378	Tie – Cable	26	7	3
3290–378	Tie – Cable	12	23	2
3290–378	Tie – Cable	4	40	2
3290–477	Washer – Curved	8	1	1
3290–496	Nut – Retaining	2	42	4
3290–509	Mount – Tie	9	*	3
3290–509	Mount – Tie	26	8	3
3296–2	Nut – Lock	20	9	2
3296–2	Nut – Lock	1	10	4
3296–4	Nut – Lock	14	8	1
3296–4	Nut – Lock	6	16	2
3296–8	Nut – Lock	20	19	3
3296–8	Nut – Lock	1	26	2
3296–8	Nut – Lock	4	33	1
3296–9	Nut – Lock	14	21	2
3296–23	Nut – Lock	15	10	2
3296–23	Nut – Lock	13	12	1
3296–23	Nut – Lock	4	25	2
3296–29	Nut – Hex.	15	12	8
3296–29	Nut – Hex. Lock	8	4	2
3296–29	Nut – Lock	3	2	8
3296–29	Nut – Lock	1	4	6
3296–29	Nut – Lock	14	4	2
3296–29	Nut – Lock	13	6	1
3296–29	Nut – Lock	6	12	6
3296–29	Nut – Lock	7	13	6
3296–29	Nut – Lock	18	23	4
3296–29	Nut – Lock	19	27	1
3296–29	Nut – Lock	12	32	8
3296–29	Nut– Lock	12	20	4
3296–39	Nut – Hex. Lock	8	6	4
3296–39	Nut – Lock	4	4	3
3296–39	Nut – Lock	13	14	1
3296–39	Nut – Lock	7	16	2
3296–39	Nut – Lock	26	17	1
3296–39	Nut – Lock	14	23	1
3296–39	Nut – Lock	12	28	4
3296–42	Nut – Hex. Lock	23	3	8
3296–42	Nut – Hex. Lock	8	3	1
32103–12	Nut – Wing	11	7	2
32105–13	Screw – Cap Hex. Hd.	1	5	4
32105–21	Screw – Machine	14	3	2
32120–11	Ring – Retaining	16	46	1
32120–47	Ring – Retaining	23	25	2
32121–6	Pin – Roll	8	9	2
32121–15	Pin – Roll	6	24	2
32121–91	Pin – Spring	17	49	4
32121–111	Pin – Roll	6	2	1
32121–112	Pin – Roll	6	13	1
32128–20	Nut – Flange Lock	1	17	2
32128–20	Nut – Flange Lock	7	18	4
32136–9	Nut – Slotted	4	1	1
32141–36	Screw – Leveling	7	20	2
32144–11	Screw – Cap Hex. Hd.	1	3	8
32144–11	Screw – Self Tapping	11	4	3
32144–11	Screw – Thread Forming	19	8	2
32144–11	Screw – Thread Forming	20	20	1
32144–11	Screw – Thread Forming	18	26	3
32144–14	Screw – Hex. Washer Head	8	13	4
32144–73	Screw – Cap Hex. Hd.	15	29	4
32148–6	Nut – Clinch	9	19	8
32148–6	Nut – Clinch	18	32	4
32148–8	Nut – Clinch	2	40	2
32148–11	Nut – Clinch	2	41	3
32151–46	Ring – Retaining	16	28	2
32152–10	Nut	27	3	1
3334–945	Tie – Cable	26	9	1
340–2	Fitting – Hydraulic Straight	23	39	1
340–4	Fitting – Hydraulic Straight	19	15	7
340–6	Fitting – Hydraulic Straight	23	31	4
340–18	Fitting – Hydraulic 90°	18	36	2
340–77	Fitting – Hydraulic 90°	20	22	1
340–77	Fitting – Hydraulic 90°	15	23	2
340–86	Fitting – Hydraulic Tee	20	14	1
340–89	Fitting – Hydraulic 45°	4	20	2
340–92	Fitting – Hydraulic Straight	20	10	1
340–98	Fitting – Hydraulic 90°	15	6	2
340–98	Fitting – Hydraulic 90°	19	18	1
340–142	Fitting – Hydraulic 90°	26	13	2
353–550	Plug – Hydraulic	18	39	1
353–988	Plug	16	22	1
353–990	Plug	25	24	2
354–78	Fitting – Hydraulic Straight	18	16	1
354–120	Fitting – Hydraulic 90°	18	6	1
354–126	Fitting – Hydraulic 45°	15	34	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 Sand Pro 5000 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. In any correspondence concerning the Sand Pro 5000, 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 Sand Pro 5000.
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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Japanese parts kit number 88–8550 contains all of the individual parts on the preceding pages designated as (Japanese).

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

Litho in U.S.A.