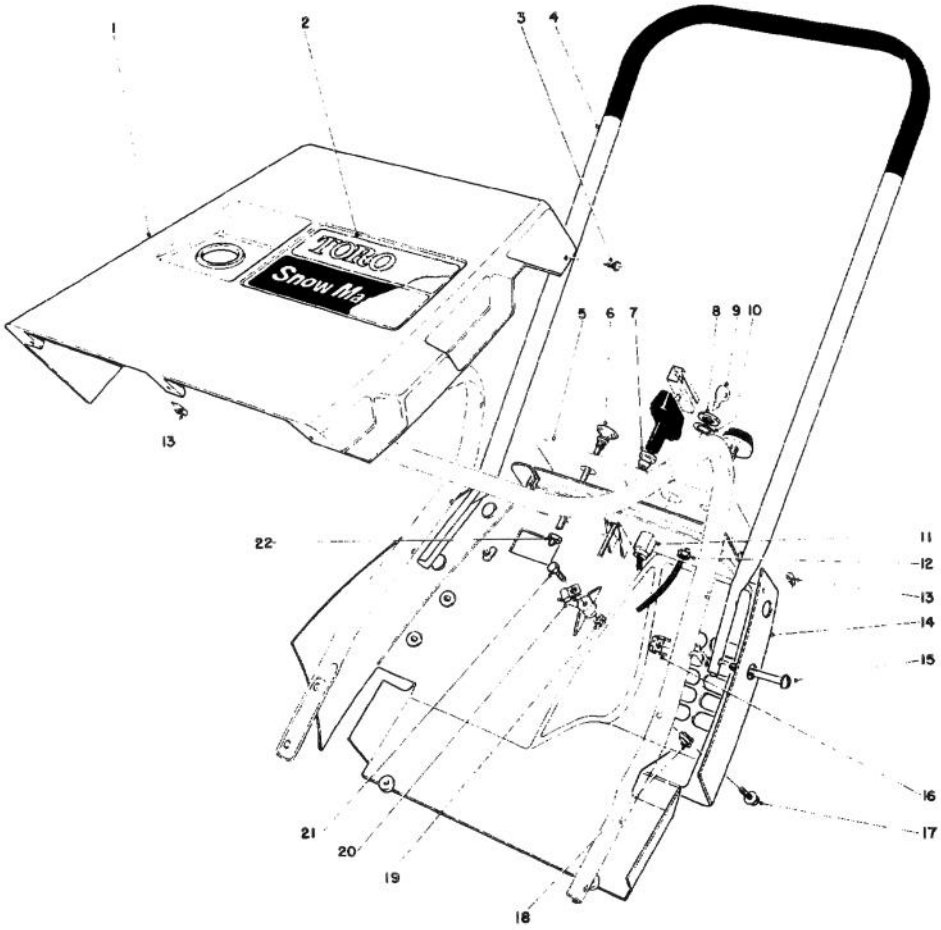
FORM NO. 3311-107

TORO®

MODEL NO. 38020—8000001 & UP
MODEL NO. 38030—8000001 & UP

PARTS CATALOG

TORO SNOWMASTER™ 20

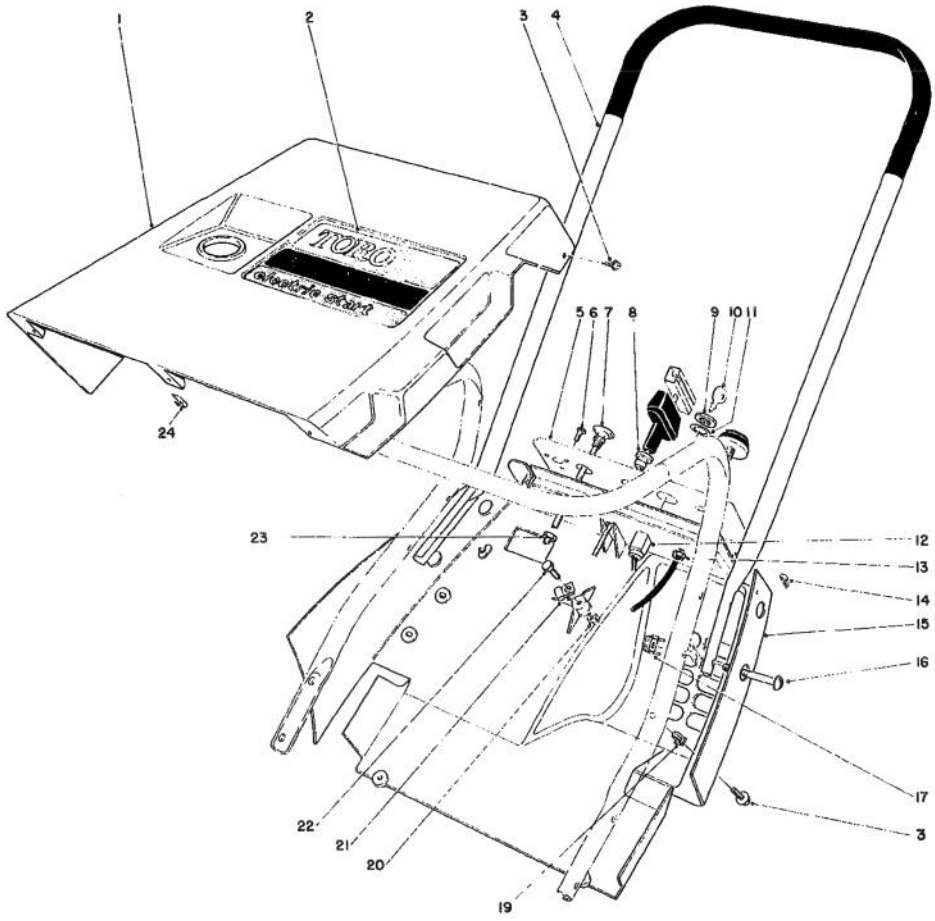


SHROUD & HANDLE ASSEMBLY (MODEL 38020)

Ref. No.	Part No.	Description	No. Used
1	29-5510	Upper Shroud	1
2	29-5690	Decal — Toro	1
3	32104-76	Self Tapping Screw	4
4	23-4260	Upper Handle	1
5	33-2250	Decal — Control Panel	1
6	25-6410	Choke Cable	1
7	23-7470	Guide — Starter Rope	1
8	218-461	Hex Nut	1
9	33-2010	Key	2
10	3254-5	Lockwasher	1
11	29-5560	Switch	1
12	32149-2	Locknut	1

Ref. No.	Part No.	Description	No. Used
13	3290-171	Nut Tinnerman	5
14	6-9229	Lower Shroud (Incl. Ref. #5)	1
15	32140-100	Round Head Sems Machine Screw	4
16	3290-225	Nut — Retained	4
17	32104-75	Self Tapping Screw	2
18	3290-420	Push in Nut	2
19	3296-2	Locknut	1
20	2412-21	Choke Mounting Clip	1
21	3290-321	Machine Screw	1
22	3290-385	Locknut	1

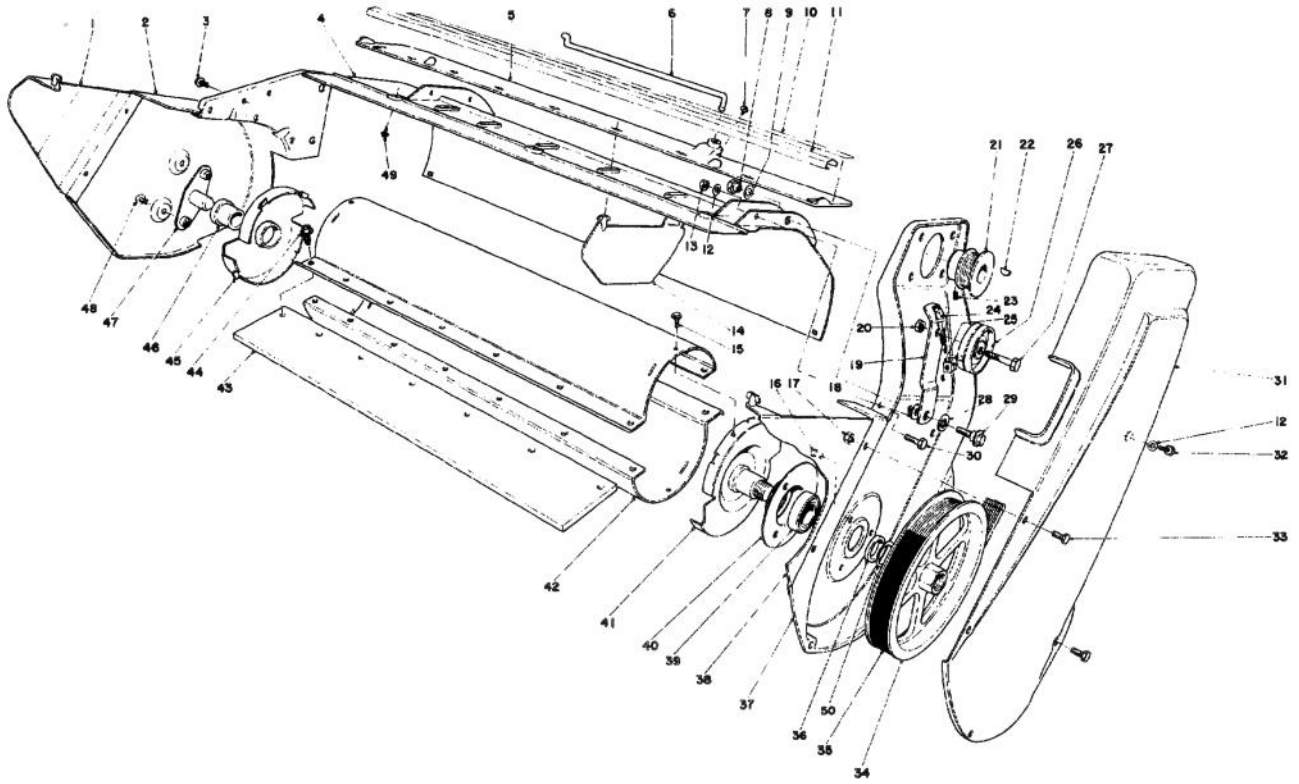
COPYRIGHT 1977 BY
The Toro Company
MINNEAPOLIS, MINN. 55420 — U.S.A.



SHROUD & HANDLE ASSEMBLY (MODEL 38130)

Ref. No.	Part No.	Description	No. Used
1	29-5510	Upper Shroud	1
2	37-1260	Decal – Toro	1
3	32144-34	Self Tapping Screw	6
4	23-4260	Upper Handle	1
5	29-6020	Decal – Control Panel	1
6	32144-27	Plastite Screw	3
7	25-6410	Choke Cable	1
8	23-7470	Guide – Starter Rope	1
9	218-461	Hex Nut	1
10	33-2010	Key (Set of 2)	1
11	3254-5	Lockwasher	1
12	29-5560	Switch	1

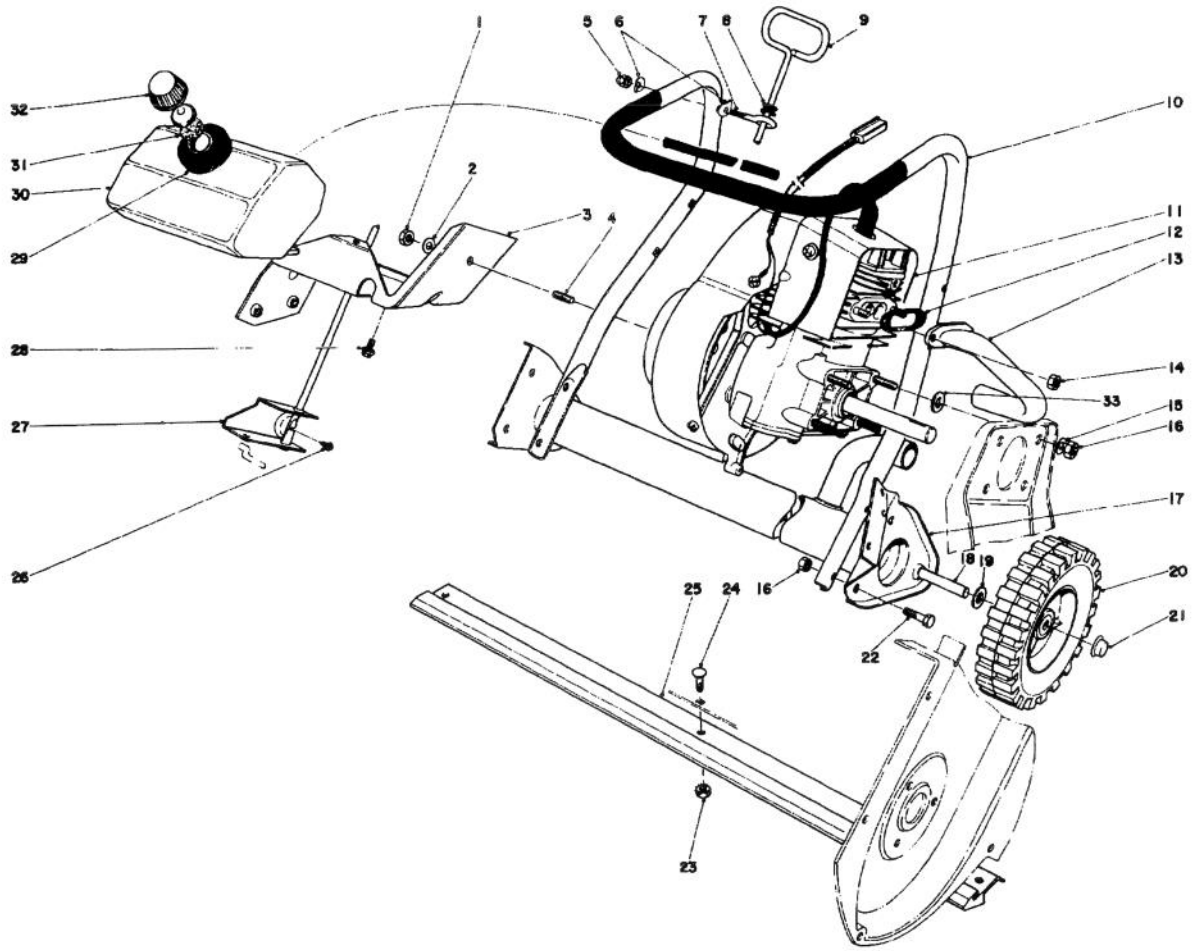
Ref. No.	Part No.	Description	No. Used
13	32149-2	Locknut	1
14	3290-171	Nut Tinnerman	5
15	29-5520	Lower Shroud	1
16	32140-100	Round Head Sems Machine Screw	4
17	3290-225	Nut – Retained	4
19	3290-420	Push in Nut	3
20	3296-2	Locknut	1
21	2412-21	Choke Mounting Clip	1
22	3290-321	Machine Screw	1
23	3290-385	Locknut	1



LOWER MAIN FRAME ASSEMBLY (MODEL 38020 & 38030)

Ref. No.	Part No.	Description	No. Used
1	25-5870	Vane – Outside R.H.	1
2	26-9070	Side Plate Right	1
3	12-3270	Screw Special	2
4	26-9680	Housing	1
5	23-3180	Vane Mount	1
6	25-5630	Linkage Vane Adjustment	1
7	32104-77	Self Tapping Screw	2
8	17-7010	Pivot Nut	1
9	5-7570	Washer	1
10	27-0160	Decal Warning	1
11	29-5500	Moulding	1
12	3256-22	Washer	5
13	32152-4	Locknut	5
14	23-3670	Vane	7
15	12-3270	Screw Special	4
16	3292-7	Pop Rivet	3
17	3296-2	Locknut	6
18	5-4460	Washer	1
19	26-8990	Idler Arm	1
20	3296-39	Locknut	1
21	25-6400	Engine Pulley	1
22	3257-3	Woodruff Key	1
23	3245-32	Set Screw	2
24	26-9730	Idler Spring	1
25	3290-225	Nut Retained	1
26	25-5880	Idler Pulley	1

Ref. No.	Part No.	Description	No. Used
27	323-9	Capscrew	1
28	25-5640	Washer	1
29	27-0410	Shoulder Screw	1
30	321-3	Capscrew	5
31	29-5490	Drive Cover	1
32	3235-18	Hex Hd. Capscrew	1
33	3290-321	Machine Screw	6
34	23-7360	Rotor Pulley	1
35	25-6430	Belt	1
36	27-0100	Spacer	1
37	33-2130	Side Plate Left	1
38	25-5860	Vane – Outside L.H.	1
39	27-0070	Ball Bearing	1
40	26-9740	Bearing Flange	1
41	27-0090	Drive Shaft & End Cap	1
42	23-3190	Shell Rotor	2
43	23-3730	Rotor Blade	2
44	32144-9	Screw	14
45	11-6090	End Cap Assembly, R.H. (Incl. Ref. #46)	1
46	11-6160	Bushing Rotor	1
47	27-9710	Rotor Shaft	1
48	32140-55	Sems Screw	2
49	32104-75	Self Tapping Screw	3
50	26-0970	Washer	1

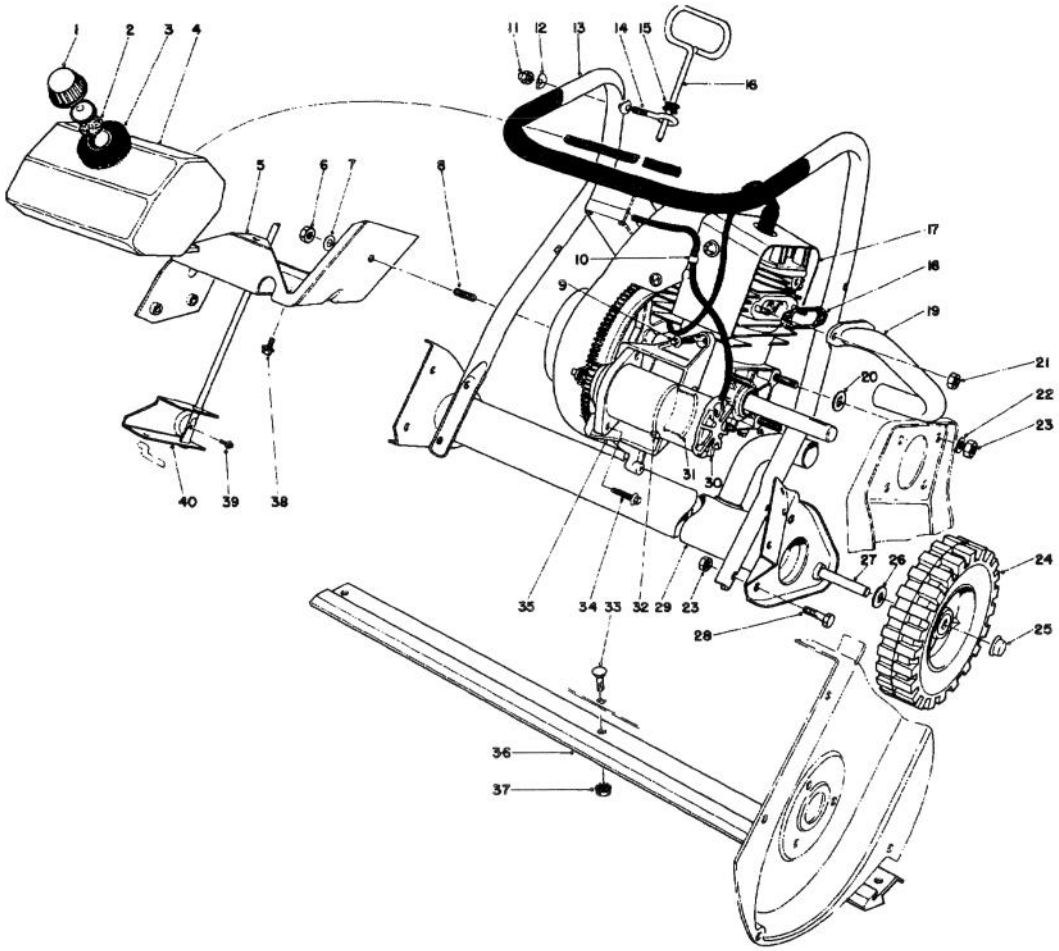


ENGINE ASSEMBLY (MODEL 38020)

Ref. No.	Part No.	Description	No. Used
1	32152-4	Locknut	1
2	3256-22	Washer	1
3	29-5480	Rear Support Engine	1
4	29-5700	Stud	1
5	32111-7	Nut Cap	1
6	3-7501	Washer	2
7	3-9278	Eye Bolt	1
8	237-73	Grommet	1
9	23-4540	Rod – Vane Adjustment	1
10	33-2120	Lower Handle	1
11	221-567	Engine	1
12	23-3810	Gasket – Exhaust Pipe	1
13	27-0530	Exhaust Pipe	1
14	32152-4	Locknut	2
15	3256-23	Washer	4
16	3296-29	Locknut	10
17	26-6550	Muffler	1
18	27-0060	Axle	1

Ref. No.	Part No.	Description	No. Used
19	3256-24	Washer	2
20	23-3250	Wheel	2
21	3290-320	Retainer – Push On	2
22	322-3	Capscrew	6
23	32149-2	Locknut	3
24	3229-1	Carriage Bolt	3
25	23-3170	Scraper	1
26	12-5450	Screw Special	1
27	25-5690	Bracket – Vane Adjustment	1
28	12-3270	Screw Special	3
29	25-1610	Foam Pad	1
30	23-5230	Gas Tank	1
31	20-4620	Gasket	1
32	23-4380	Gas Cap (Incl. Ref. #31)	1
33	4-2390	Spacer	4
*	6-9129	Loose Parts	1
*	25-9150	Decal Replacement Serial Plate	1

*Not Illustrated

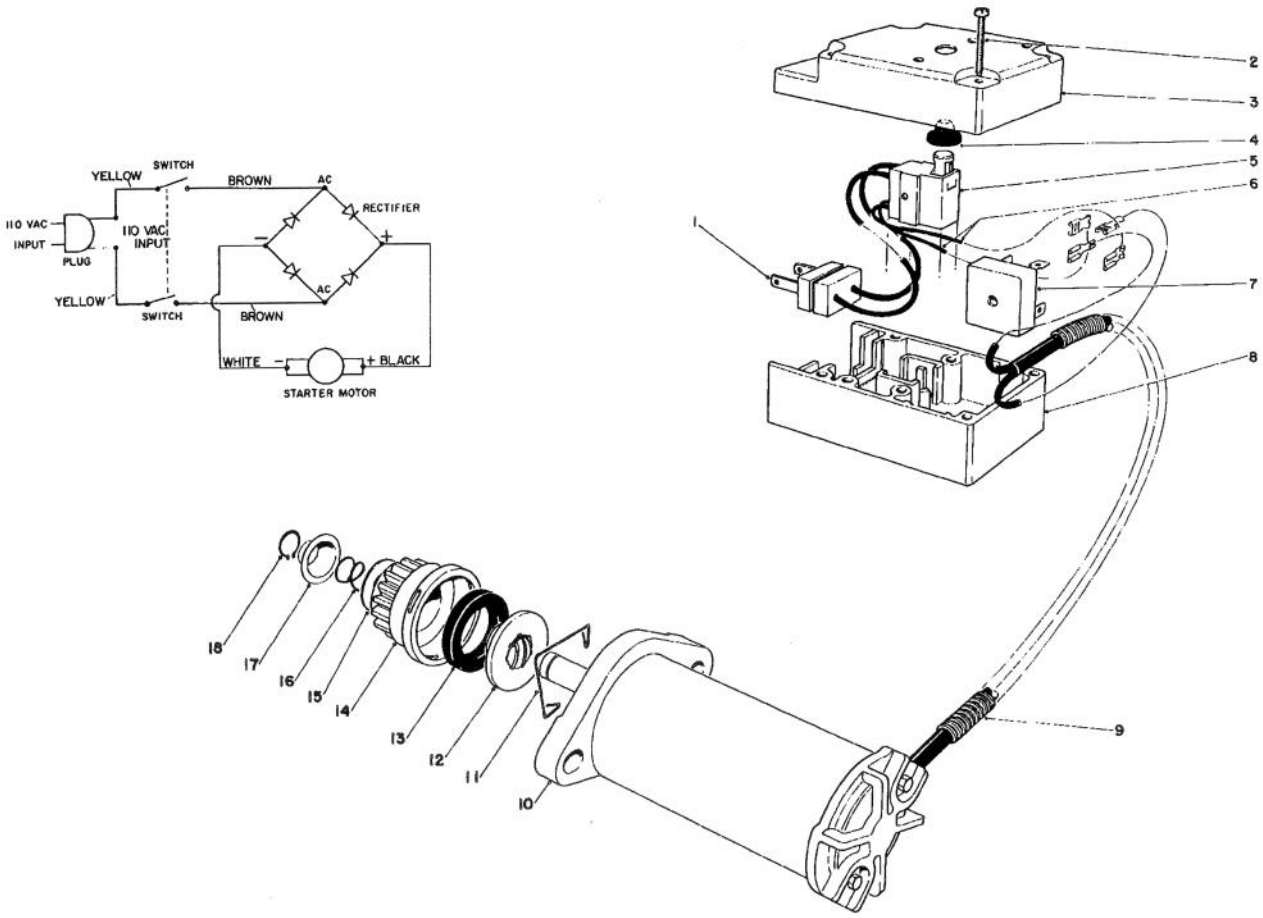


ENGINE ASSEMBLY (MODEL 38030)

Ref. No.	Part No.	Description	No. Used
1	23-4380	Gas Cap (Incl. Ref. #2)	1
2	20-4620	Gasket	1
3	25-1610	Foam Pad	1
4	23-5230	Gas Tank	1
5	29-5480	Rear Support Engine	1
6	32152-4	Locknut	1
7	3256-22	Washer	1
8	29-5700	Stud	1
9	11-9760	Screw – Pentaflo	3
10	218-214	Clip	1
11	32111-7	Nut Cap	1
12	3-7501	Washer	2
13	33-2120	Lower Handle	1
14	3-9278	Eye Bolt	1
15	237-73	Grommet	1
16	23-4540	Rod – Vane Adjustment	1
17	221-558	Engine	1
18	23-3810	Gasket – Exhaust Pipe	1
19	27-0530	Exhaust Pipe	1
20	4-2390	Spacer	4
21	32152-4	Locknut	2

Ref. No.	Part No.	Description	No. Used
22	3256-23	Washer	4
23	3296-29	Locknut	10
24	23-3250	Wheel	2
25	3290-320	Retainer – Push on	2
26	3256-24	Washer	2
27	27-0060	Axle	1
28	322-3	Capscrew	6
29	26-6550	Muffler	1
30	28-9150	Motor & Switch Housing	1
31	28-9120	Motor Support – Rear	1
32	3290-379	Strap – Motor Tie Down	1
33	3229-1	Carriage Bolt	3
34	32144-26	Screw – Pentaflo	2
35	28-9160	Bracket – Motor Mount	1
36	23-3170	Scraper	1
37	32149-2	Locknut	3
38	12-3270	Screw – Special	3
39	12-5450	Screw – Special	1
40	25-5690	Bracket – Vane Adjustment	1
*	6-9129	Loose Parts	1
*	25-9150	Decal Replacement Serial Plate	1

*Not Illustrated

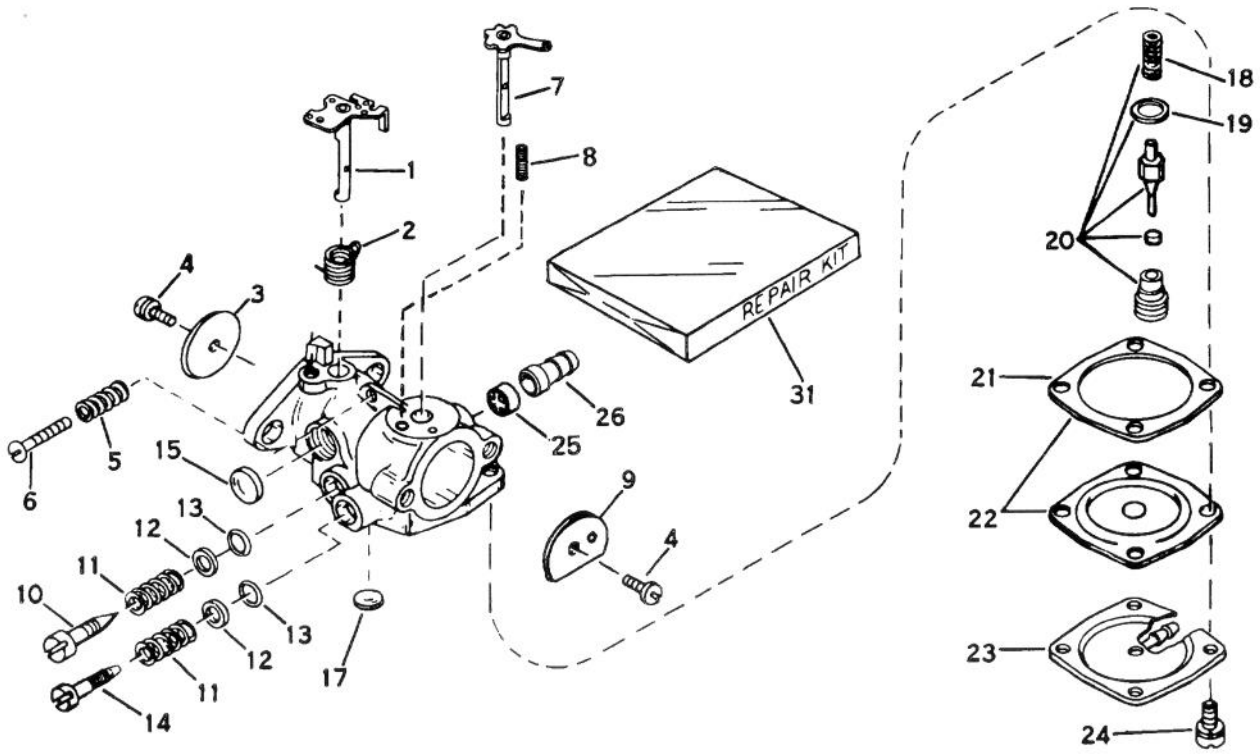


STARTER MOTOR & SWITCH ASSEMBLY (MODEL 38130)

Ref. No.	Part No.	Description	No. Used
1	36-8370	Plug	1
2	32144-27	Plastite Screw	4
3	28-9960	Cap – Switch Housing	1
4	36-8350	Boot – Switch	1
5	36-8340	Switch	1
6	36-8360	Wire – Switch to Rectifier	2
7	37-7600	Bridge Rectifier	1
8	36-8330	Base – Switch Housing	1
9	33-5130	Cable Cover	1
10	33-4390	Starter Motor	1
11	5-6530	Clip – Retaining	1
12		Helix Pinion Nut	1

Ref. No.	Part No.	Description	No. Used
13	25-3400	Ring – Rubber	1
14	28-9110	Pinion	1
15	33-5570	Washer	1
16	33-3230	Spring	1
17	33-3210	Pinion Stop	1
18	32151-49	External Retaining Ring	1
*	28-9140	Starter Motor Assembly (Incl. Ref. # 9-17)	1
*	36-5350	Pinion Assembly (Incl. Ref. #11-14)	1
*	28-9170	Cord – 10 Ft.	1

*Not Illustrated



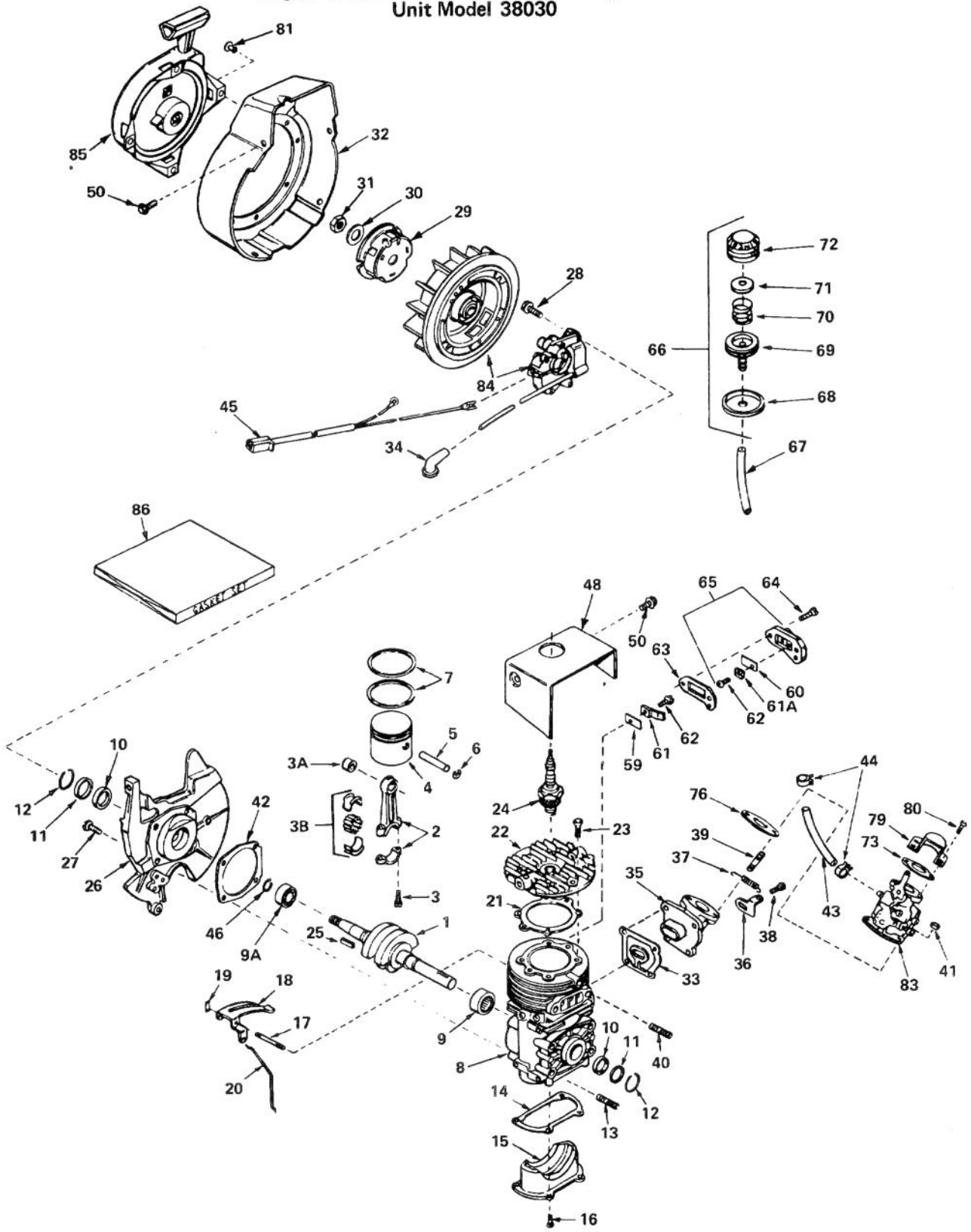
CARBURETOR NO. 631887

Ref. No.	Part No.	Description	No. Used
1	631868	Shaft & Lever Assembly, Throttle	1
2	631066	Spring, Return	1
3	631036	Shutter, Throttle	1
4	650506	Screw, Throttle & Choke Shutter	2
5	630766	Spring, Idle Speed	1
6	650417	Screw, Idle Regulating	1
7	631888	Shaft & Lever Assembly, Choke	1
8	630735	Spring, Choke Positioning	1
9	31837	Shutter, Choke	1
10	631562	Screw, Idle Adjustment	1
11	630738	Spring, Idle Adjustment Screw	2
12	630739	Washer, Idle Adjustment Screw	2
13	*630740	"O" Ring, Idle Adjustment Screw	2

Ref. No.	Part No.	Description	No. Used
14	630898	Screw, Main Adjustment	1
15	*630748	Plug, Welch	1
17	*630746	Plug, Welch	1
18	631049	Spring, Valve	1
19	630742	Gasket, Valve Seat	1
20	*630932A	Inlet Needle, Seat, Spring & Gasket Assembly (Incl. Nos. 18 & 19)	1
21	630750	Gasket, Diaphragm	1
22	*630978	Diaphragm Assembly (Incl. No. 21)	1
23	631653	Cover, Diaphragm	1
24	650545	Screw, Diaphragm Cover	4
25	631201	Valve, Check	1
26	631803	Fitting, Fuel Inlet	1
31	631893	Repair Kit (Incl. Items marked *)	1

ENGINE ASSEMBLY

Engine Tecumseh Model No. AH520 Type 1585
Unit Model 38020
Engine Tecumseh Model No. AH520 Type 1583
Unit Model 38030

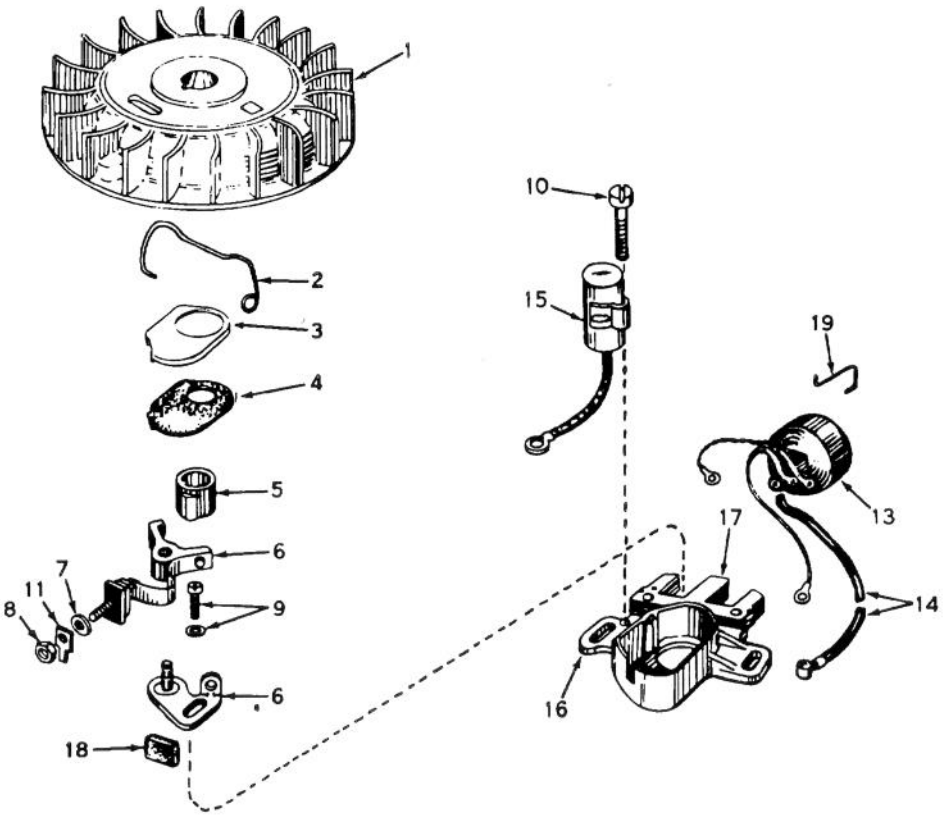


ENGINE ASSEMBLY

Engine Tecumseh Model No. AH520 Type 1585
Unit Model 38020
Engine Tecumseh Model No. AH520 Type 1583
Unit Model 38030

Ref. No.	Part No.	Description	No. Used
1	290489	Crankshaft	1
2	310244	Rod Assembly, Connecting (Incl. Nos. 3, 3A & 3B)	1
3	650633	Screw, Connecting Rod	2
3A	530104A	Bearing Cartridge	1
3B	530149	Bearing & Liner Set, Needle	1
4	310230	Piston	1
5	310178	Pin, Piston	1
6	310167	Ring, Piston Pin Retaining	2
7	310190	Ring Set, Piston	1
8	250271	Block Assembly, Cylinder (Incl. Nos. 9, 10 thru 13, 17 & 40)	1
9	530105	Bearing, Needle	1
9A	530110	Bearing, Ball	1
10	510105	Seal, Crankshaft	2
11	510106	Retainer, Crankshaft Seal	2
12	510109A	Spring, Crankshaft Seal Retainer	2
13	650796	Stud	4
14	*510270	Gasket, Cover	1
15	570370	Plate, Cover	1
16	650579	Screw, Pan Flex Hd.	4
17	490276	Shaft, Air Vane	1
18	490287	Vane Assembly, Air	1
19	490278	Clip, Air Vane	1
20	490288	Link, Governor	1
21	*510274	Gasket, Cylinder Head	1
22	250240	Head, Cylinder	1
23	650477	Screw, Pan Flex Hd.	4
24	610830A	Plug, Spark (RJ-13Y or equivalent)	1
25	650496	Key, Flywheel	1
26	350390	Base Assembly, Shroud (Incl. Nos. 10, 11 & 12) (Type 1583)	1
26	350388	Base Assembly, Shroud (Incl. Nos. 10, 11 & 12) (Type 1585)	1
27	650497	Screw, Pan Flex Hd.	4
28	650747	Screw, Hex Washer Hd.	2
29	590416	Cup, Starter	1
30	650763	Washer, Spring	1
31	650390	Nut, Flywheel	1
32	350392	Housing, Blower (Type 1583)	1
32	350391	Housing, Blower (Type 1585)	1
33	*510312	Gasket, Port	1
34	610118	Cover, Spark Plug	1
35	570627	Elbow Assembly, Adapter	1
36	570626	Lever, Adjusting	1
37	490286	Spring, Adjusting Lever	1
38	650576	Screw, Pan Flex Hd.	4
39	650700	Stud, Carburetor	2

Ref. No.	Part No.	Description	No. Used
40	650801	Stud, Exhaust	2
41	650457	Nut, Hex	2
42	*510292	Gasket, Shroud Base	1
43	30705	Line, Fuel	1
44	26460	Clamp, Fuel Line	2
45	610999	Harness, Wire	1
46	570630	Ring, Retaining	1
48	350389	Shroud, Cylinder	1
50	650356	Screw, Hex Washer Hd. Powerlok Thread	6
59	470136	Reed, Compression Release	1
60	470135	Reed, Compression Release	1
61	470151	Plate, Reed Hold Down	1
61A	470137	Plate, Reed Hold Down	1
62	650654	Screw, Pan Hd. Taptite	2
63	*510263	Gasket, Compression Release	1
64	650576	Screw, Pan Flex Hd	2
65	570437A	Cover Assembly, Compression Release (Incl. Nos. 60, 61A & 62)	1
66	570629	Primer Assembly (Incl. Nos. 68 thru 72)	1
67	32180A	Line, Primer	1
68	32312	Retainer, Primer Bulb	1
69	32184	Body Primer	1
70	570443	Spring, Primer Bulb	1
71	570444	Washer, Primer Bulb	1
72	570442	Bulb, Primer	1
73	510206	Gasket	1
76	*510213	Gasket, Carburetor	1
79	570434	Baffle, Air	1
80	650229	Screw, Rd. Hd. Sems	2
81		Rivet, Pop (3/16" dia.) (Can be purchased locally)	4
83	631887	Carburetor (Incl. No. 76)	1
84	610772A	Magneto (The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list.) (Type 1583)	1
84	610794A	Magneto (The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list.) (Type 1585)	1
85	590537	Starter Assembly, Rewind	1
86	510264D	Gasket Set (Incl. items marked*)	1

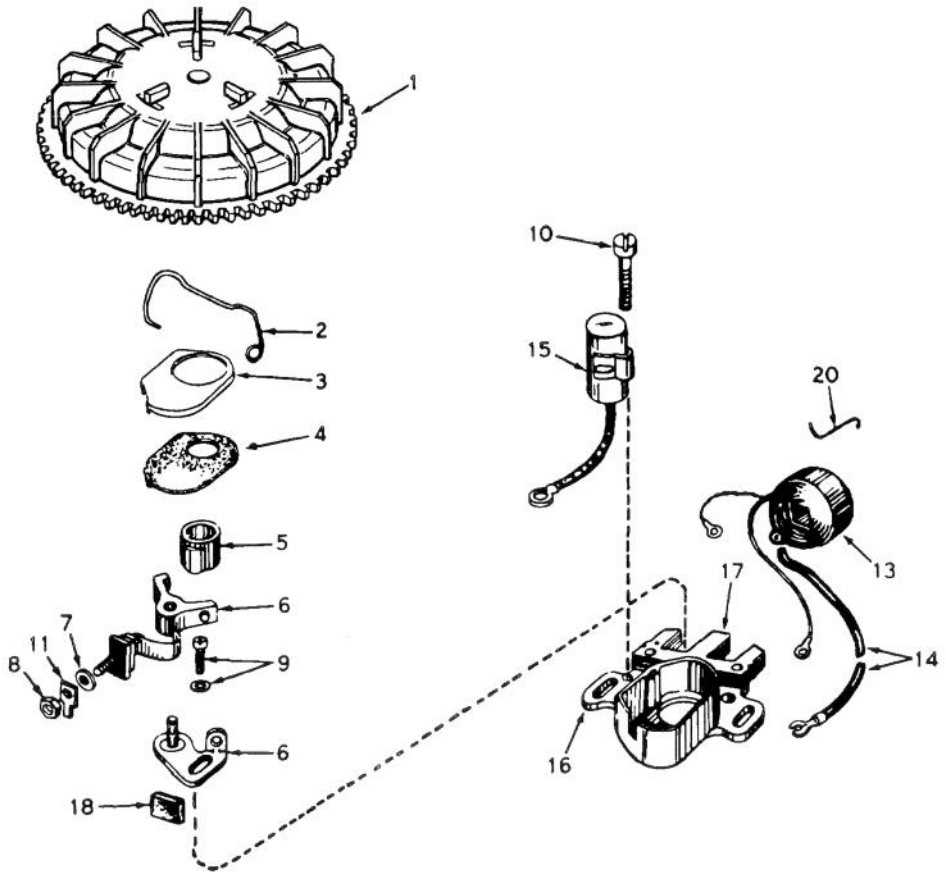


MAGNETO NO. 610794A (ENGINE MODEL AH520 TYPE 1585 UNIT MODEL 38020)

Ref. No.	Part No.	Description	No. Used
1	610781A	Flywheel (Incl. Nos. 3 & 4)	1
2	30551	Spring, Breaker Box Dust Cover	1
3	610947	Cover, Breaker Box Dust	1
4	610948	Gasket, Dust Cover	1
5	30552	Cam, Breaker	1
6	30547A	Breaker Assembly	1
7	610385	Washer, Terminal	1
8	610408	Nut, Terminal	1
9	29181	Screw & Washer Assembly, Breaker	1
10	610593	Screw, Condenser Fastening	1

Ref. No.	Part No.	Description	No. Used
11	33356	Tab, Ground Terminal	1
13	30560A	Coil Assembly (Incl. No. 14)	1
14	30554	Wire, Ignition Lead	1
15	30548A	Condenser	1
16	30545	Core & Plate Group	1
17	30561B	Stator Assembly (Incl. Nos. 2, 3, 4, 6 thru 11, 13, 15, 16, 18 & 19)	1
18	30549	Felt, Cam Wiper	1
19	31311	Clip, Coil Locking	1

*The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list.

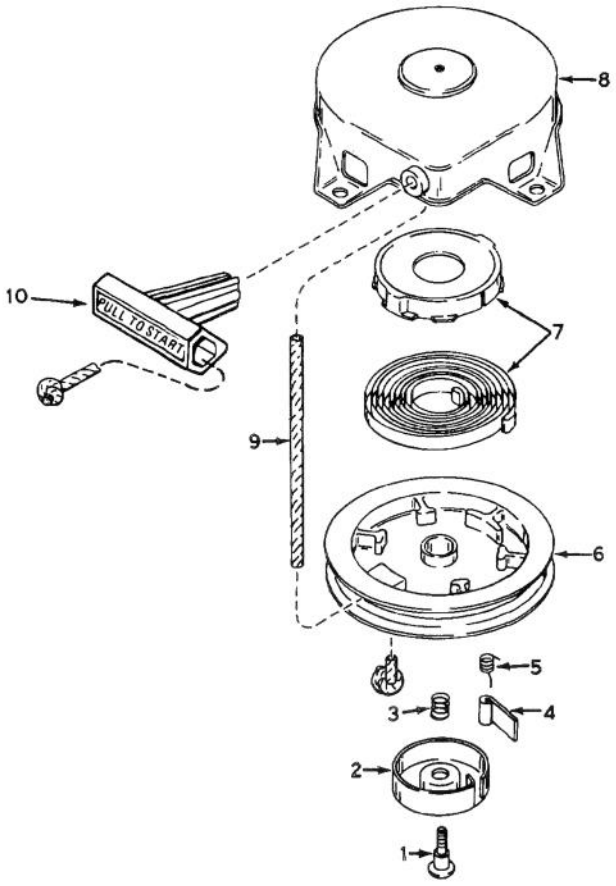


MAGNETO NO. 610772A (ENGINE MODEL AH520 TYPE 1583 UNIT MODEL 38030)

Ref. No.	Part No.	Description	No. Used
1	610757A	Flywheel (Incl. Nos. 3 & 4)	1
2	30551	Spring, Breaker Box Dust Cover	1
3	610947	Cover, Breaker Box Dust	1
4	610948	Gasket, Dust Cover	1
5	30552	Cam, Breaker	1
6	30547A	Breaker Assembly	1
7	610385	Washer, Terminal	1
8	610408	Nut, Terminal	1
9	29181	Screw & Washer Assembly, Breaker	1
10	610593	Screw, Condenser Fastening	1

Ref. No.	Part No.	Description	No. Used
11	33356	Tab, Ground Terminal	1
13	30560A	Coil Assembly (Incl. No. 14)	1
14	30554	Wire, Ignition Lead	1
15	30548A	Condenser	1
16	30545	Core & Plate Group	1
17	30561B	Stator Assembly (Incl. Nos. 2, 3, 4, 6 thru 16, 18 & 20)	1
18	30549	Felt, Cam Wiper	1
20	31311	Clip, Coil Locking	1

*The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list.



SHROUD & REWIND STARTER NO. 590537
(ENGINE MODEL AH520 TYPE 1585 & AH520 TYPE 1583)
(UNIT MODEL 38020 & 38030)

Ref. No.	Part No.	Description	No. Used
1	590409A	Screw, Retainer	1
2	590410	Retainer, R.H.	1
3	590411	Spring, Brake	1
4	590148	Dog, Starter	1
5	590412	Spring, R.H. Dog	1

Ref. No.	Part No.	Description	No. Used
6	590413A	Pulley	1
7	590414	Spring & Keeper Assembly	1
8	590536	Housing Assembly, Starter	1
9	590535	Rope, Starter	1
10	590452	Handle Assembly, Starter	1