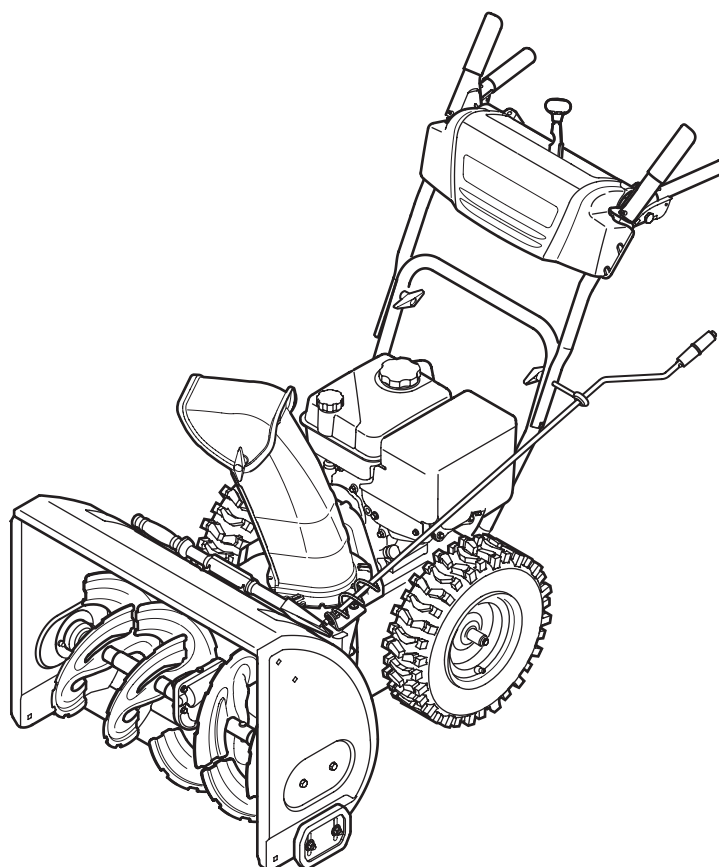


Operator's Manual

CRAFTSMAN®

24" SNOW THROWER

Model No. 247.889571



CAUTION: Before using this product, read this manual and follow all safety rules and operating instructions.

- SAFETY
- ASSEMBLY
- OPERATION
- MAINTENANCE
- PARTS LIST
- ESPAÑOL

Sears Brands Management Corporation, Hoffman Estates, IL 60179, U.S.A.

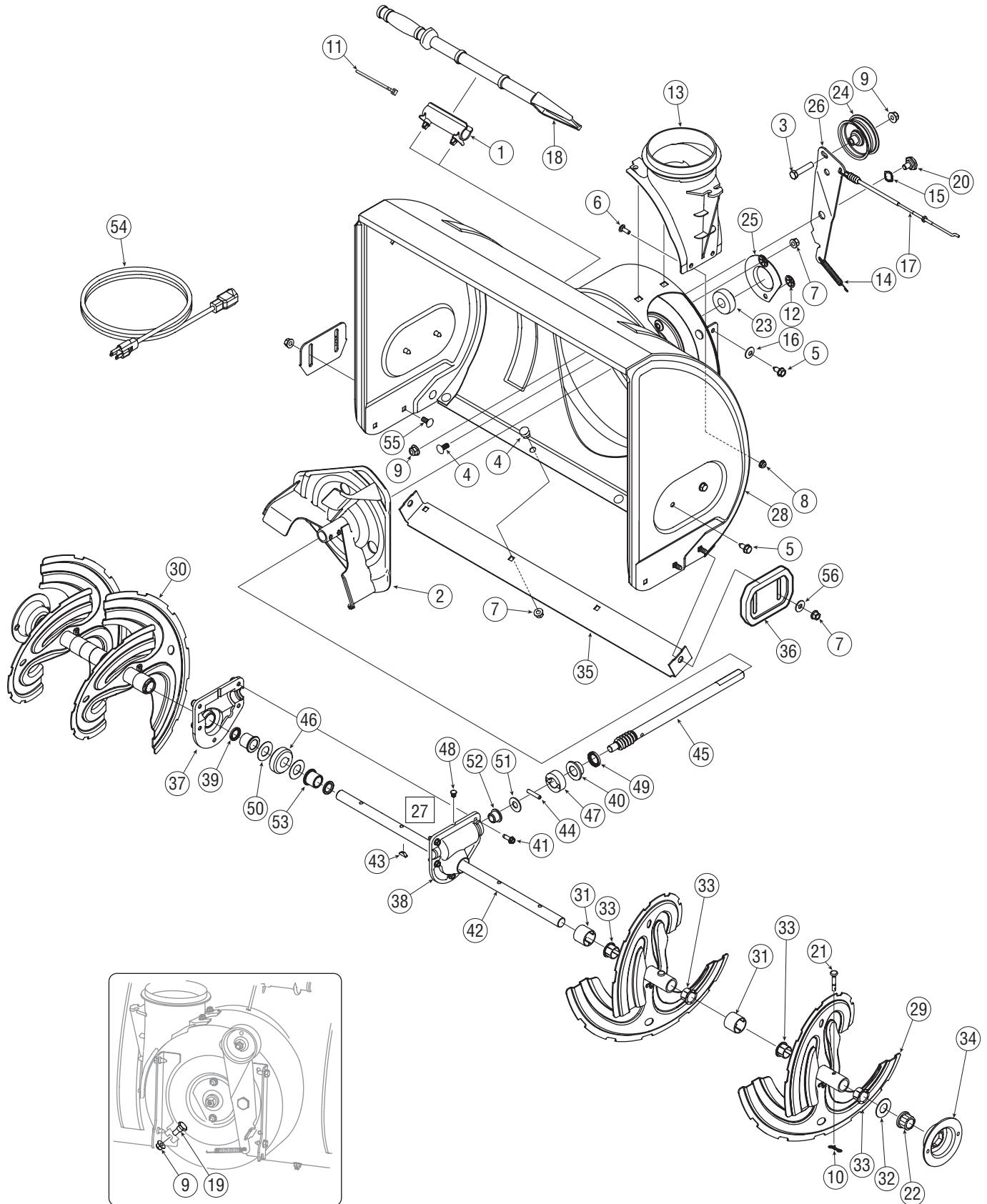
Visit our website: www.craftsman.com

FORM NO. 769-05095B

7/12/2010

PARTS LIST

Craftsman Snow Thrower Model 247.889571



PARTS LIST

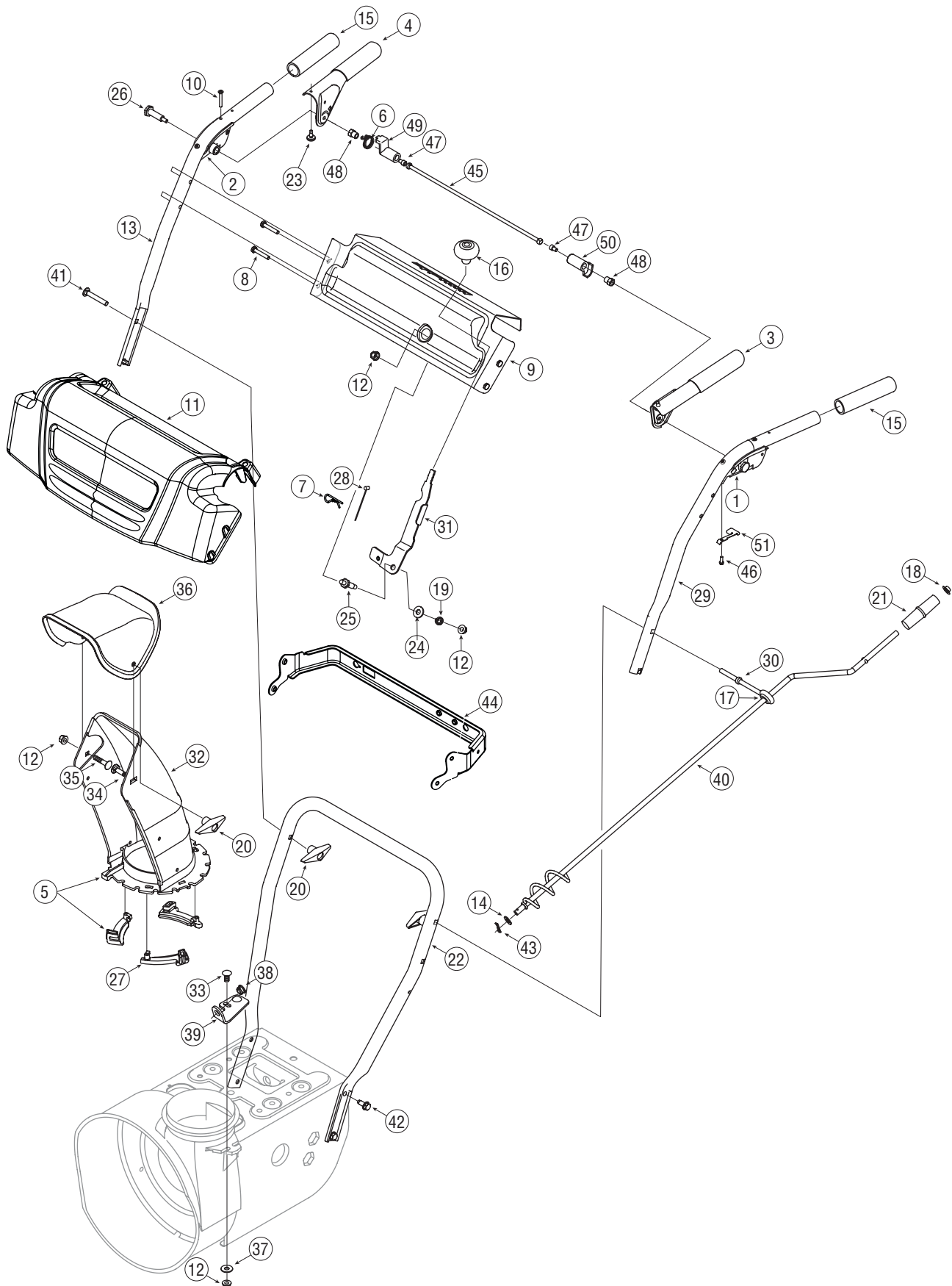
Craftsman Snow Thrower Model 247.889571

Ref. No.	Part No.	Description
1.	731-2635	Snow Removal Tool Mount
2.	684-04057A-0637	Impeller Assembly, 12" Dia.
3.	710-0347	Hex Screw, 3/8-16, 1.75, Gr5
4.	710-0451	Bolt, Carriage, 5/16-18, .750 Gr1
5.	710-04484	Screw, 5/16-18, 0.750
6.	710-0703	Screw, Carriage, 1/4-20, .750, Gr5
7.	712-04063	Nut, Flange Lock, 5/16-18, Nylon
8.	712-04064	Nut, Flange Lock, 1/4-20, Nylon
9.	712-04065	Nut, Flange Lock, 3/8-16, Nylon
10.	714-04040	Cotter Pin, Bow-tie
11.	725-0157	Cable, Tie, 3/16 x .05 x 7.4
12.	926-04012	Nut, Push-on, .25 Dia
13.	731-04705D	Chute, Adapter 5" Dia
14.	732-04460	Spring, Extension, .38 OD x 4.59
15.	736-0174	Washer, Wave, .625 x .885 x .015
16.	736-0242	Washer, Bell, .340 x .872 x .060
17.	746-04230	Clutch Cable, Auger, 47.23"
18.	931-2643	Snow Removal Tool
19.	738-0143	Screw, Shoulder, .498 x .34, 3/8-16
20.	938-0281	Screw, Shoulder, .625 x .17, 3/8-16
21.	738-04124A	Shear Pin, .25 x 1.50
22.	941-0245	Bearing, Hex Flange x .75 ID
23.	941-0309	Bearing, Ball, .75 ID x 1.85 OD
24.	756-04224	Flat Pulley, Idler, 2.75 OD
25.	790-00075	Housing, Bearing, 1.85 ID
26.	790-00080A-0637	Bracket, Auger Idler w/ Brake
27.	918-04171B	Gearbox Assembly, Auger, 24"
28.	684-04265-4044	Housing Assembly, Auger 24"

Ref. No.	Part No.	Description
29.	684-04107-0637	Spiral Assembly, LH
30.	684-04108-0637	Spiral Assembly, RH
31.	731-04870	Spacer, 1.25 OD x .75 ID x 1.00
32.	736-0188	Washer, Flat, .76 x 1.49 x .06
33.	741-0493A	Bushing, Flange, .80 ID x .91 OD
34.	790-00087A-0637	Housing, 1" Hex Bearing
35.	790-00120-4044	Shave Plate, 2.25 x 23.66
36.	731-06439	Slide Shoe
37.	918-0123A	Housing, Auger, RH
38.	918-0124A	Housing, Auger, LH
39.	921-0338	Seal, Oil, .750 x 1.00 x .125
40.	741-0662	Bearing, Flange, .75 x 1.0 x .59
41.	710-0642	Screw, Self-tapping, 1/4-20, 0.750
42.	711-04285	Axle, Auger, 24"
43.	914-0161	Key, Hi-pro 3/16 x 5/8
44.	715-04021	Pin, Dowel, .25 OD x 1.2
45.	917-04126	Shaft, Worm .75 OD
46.	917-04861	Gear, Worm 20T
47.	718-04071	Collar, Thrust
48.	721-0325	Plug, 1/4 x .437
49.	721-0327	Seal, Oil, .75 x 1 x .131
50.	936-0351	Washer, Flat, .760 ID x 1.5 OD
51.	736-3084	Washer, Flat, .51 x 1.12
52.	741-0663	Bearing, Flange, .75 x 1.0 x .925
53.	741-0661A	Bearing, Flange, .75 x 1.00 x .975
54.	929-0071A	Extension Cord, 110V
55.	710-0276	Screw, Carriage, 5/16-18 x 1.00
56.	936-0159	Washer, Flat, .349 x .879 x .063

PARTS LIST

Craftsman Snow Thrower Model 247.889571



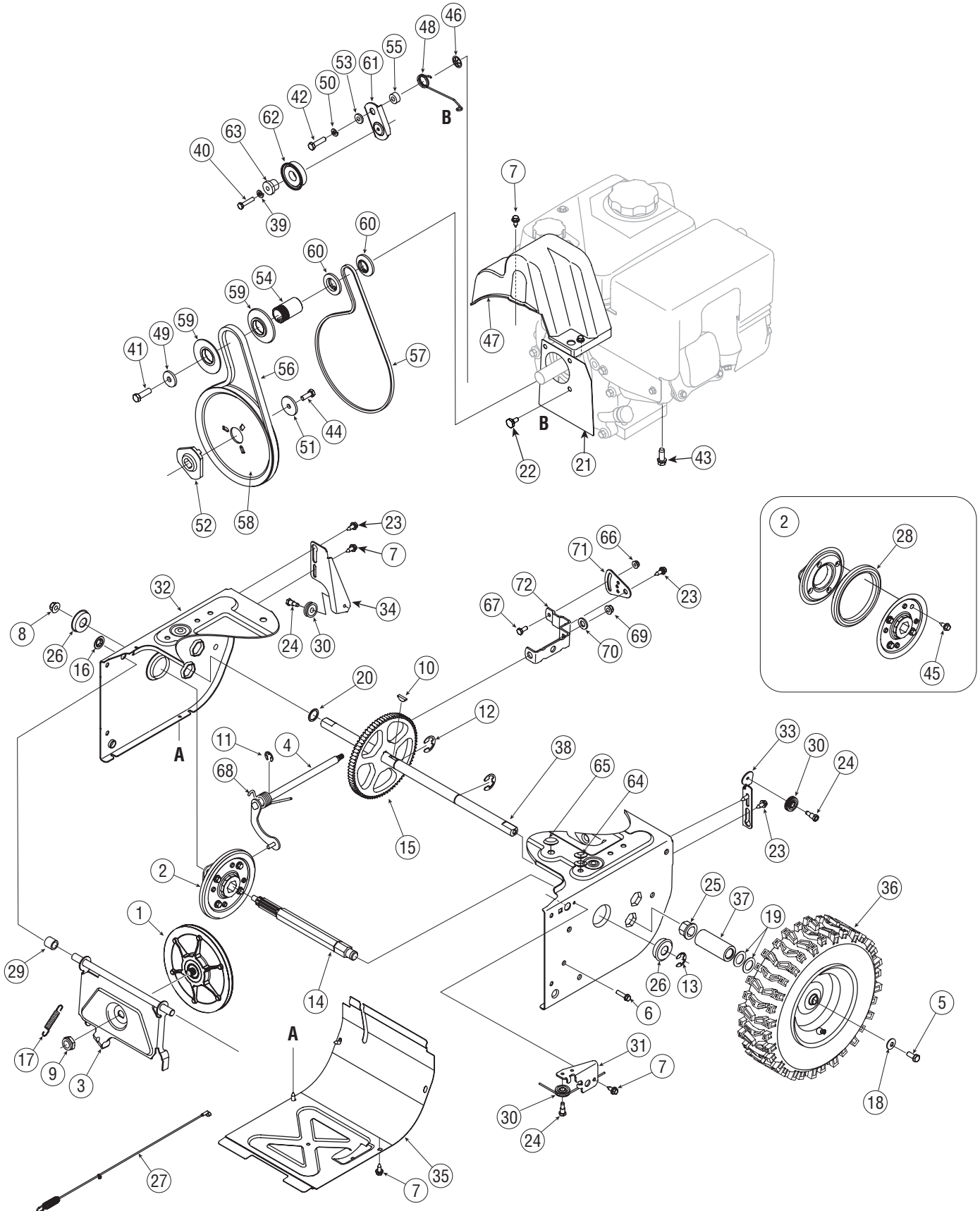
PARTS LIST

Craftsman Snow Thrower Model 247.889571

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1.	631-04133A	Handle Assembly, Clutch Lock, LH	27.	731-04869A	Chute, Flange Keeper
2.	631-04134B	Handle Assembly, Clutch Lock, RH	28.	946-04397A	Cable, Speed Selector
3.	684-04111B	Handle Ass'y, Engage, Red, LH	29.	749-04191A-0637	Handle, Upper, LH
4.	684-04112B	Handle Ass'y, Engage, Red, RH	30.	747-04263	Eye Bolt, Chute Crank
5.	631-04131B	Chute, Lower (Incl. Ref. # 27, Qty. 3)	31.	790-00313-0637	Shift Lever
6.	732-04238	Spring, Torsion, .8156 ID x .3038	32.	731-04912B	Chute, Lower, 5.0 Dia.
7.	914-0145	Click Pin	33.	710-0276	Bolt, Carriage, 5/16-18, 1.0
8.	710-04586	Screw, 1/4-20 x 1.625	34.	710-04071	Bolt, Carriage, 5/16-18, 1.0
9.	790-00219-4044	Panel, Handle, (no cutout)	35.	710-0451	Bolt, Carriage, 5/16-18, .750
10.	710-1233	Screw, Machine, #10-24, 1.375	36.	731-04426A	Chute, Upper, w/ Label
11.	731-06471	Handle Panel Cover	37.	936-0159	Washer, .349 x .879 x .063
12.	712-04063	Nut, Flange Lock, 5/16-18, Nylon	38.	941-0475	Bushing, Plastic, .380
13.	749-04190A-0637	Handle, Upper, RH	39.	784-5647-0637	Bracket, Chute Crank
14.	936-0185	Washer, Flat, .375 x .738 x .063	40.	684-04104-0637	Crank Assembly, Chute
15.	720-0274	Grip, 1.0 ID x 5.0	41.	710-0449	Screw, Carriage, 5/16-18, 2.25
16.	720-04039	Knob, Shift, Black	42.	710-04484	Screw, 5/16-18, 2.25, Gr5
17.	735-0234	Grommet, .44 ID x .94 OD x .50	43.	914-0104	Pin, Cotter, .072 x 1.13
18.	926-0100	Cap, Push, 3/8 Rod	44.	790-00248B-0637	Bracket, Panel
19.	732-0193	Spring, .39 x .60 x .88	45.	684-04250	Rod, Pivot
20.	720-0284	Knob, 5/16-18, Black	46.	710-04326	Screw, #8-16 x .50
21.	720-0201A	Crank Knob, 1.0 Dia. x 3.2, Black	47.	710-3069	Screw, 1/4-20 x .50
22.	749-04138A-0637	Handle, Lower	48.	712-04081A	Nut, Hex, 1/4-20
23.	935-0199A	Bumper, Rubber, .62 OD x .22	49.	731-04894D	Plate, Lock
24.	736-0262	Washer, Flat, .385 x .870 x .092	50.	731-04896B	Cam, Clutch Lock
25.	738-04118	Bolt, Shoulder, 5/16-18 x 0.905	51.	732-04219C	Spring, Clutch Lock
26.	738-04348	Screw, Shoulder, .43 x 1.3, 1/4-20			

PARTS LIST

Craftsman Snow Thrower Model 247.889571



PARTS LIST

Craftsman Snow Thrower Model 247.889571

Ref. No.	Part No.	Description
1.	656-04055	Disc Assembly, Friction Wheel
2.	684-04153	Friction Wheel Assembly, 5.5 OD
3.	684-04154B-0637	Support Bracket, Friction Wheel
4.	684-04156A	Shift Assembly, Rod
5.	710-0627	Hex Screw, 5/16-24, .750, Gr5
6.	710-0788	Screw, 1/4-20, 1.000
7.	710-1652	Screw, 1/4-20 x .625
8.	712-04065	Nut, Flange Lock, 3/8-16, Nylon
9.	712-0417A	Nut, Flange, 5/8-18
10.	914-0126	Key, Hi Pro, 3/16 x 3/4 Dia.
11.	916-0104	E-ring, .500 Dia.
12.	716-0136	E-ring, Retaining, .875 Dia.
13.	916-0231	E-ring, .750 Dia.
14.	917-04209A	Hex Shaft, .8125, 7-Tooth
15.	917-04230	Gear, 80-Tooth
16.	726-0221	Speed Nut, .500
17.	932-0264	Extension Spring
18.	736-0242	Washer, Bell, .340 x .872 x .060
19.	936-0287	Washer, Flat, .793 x 1.24 x .060
20.	736-04161	Washer, Flat, .75 x 1.00 x .060
21.	790-00289A-0637	Plate, Cover
22.	738-04439	Shoulder Screw
23.	738-04184A	Screw, Shoulder, .37 x .105, 1/4-20
24.	738-0924A	Screw, 1/4-28, .375
25.	941-0245	Bearing, Hex Flange x .75 ID
26.	941-0563	Bearing, Ball, 17 x 40 x 12
27.	746-04229	Clutch Cable, Wheel, 44.95"
28.	935-04054	Rubber, Friction Wheel, 5.5 OD
29.	748-0190	Spacer, .508 ID x .75 OD x .68
30.	756-0625	Roller, Cable
31.	790-00096-0637	Front Guide Bracket, Auger Cable
32.	790-00180A-4044	Frame
33.	790-00206A-0637	Guide Bracket, Auger Cable
34.	790-00207B	Guide Bracket, Drive Cable
35.	790-00316-0637	Cover, Frame
36.	634-04167A-0911	LH Wheel Assembly
	634-04168A-0911	RH Wheel Assembly

Ref. No.	Part No.	Description
37.	731-04873	Spacer, 1.25 x .75 x 3.0
38.	938-04168	Axle, .75 x 22"
39.	736-0329	Washer, Lock, 1/4
40.	710-0809	Hex Screw, 1/4-20, 1.25, Gr5
41.	710-0191	Hex Screw, 3/8-24, 1.25, Gr8
42.	710-0672	Hex Screw, 5/16-24, 1.25, Gr5
43.	710-0654A	Screw, Sems, 3/8-16, 1.00
44.	710-1245B	Hex Screw, 5/16-24, .875, Gr8
45.	710-0896	Screw, 1/4-20 x .625
46.	926-04012	Nut, Push-on, .25 Dia.
47.	731-04792A	Cover, Belt
48.	732-04308A	Spring, Torsion, .850 ID x .354
49.	736-0247	Washer, Flat, .406 x 1.25 x .157
50.	936-0119	Washer, Lock .3125
51.	736-0505	Washer, Flat, .34 x 1.50 x .150
52.	748-04053A	Pulley, Adapter, .75 Dia.
53.	748-04112B	Spacer, Shoulder, .317 x .50 x .102
54.	750-04303	Spacer, .875 ID x 1.185 OD
55.	750-04477A	Spacer, .340 x .750 x .360
56.	954-04050	Belt, Auger Drive
57.	954-04260	Belt, Wheel Drive
58.	756-04109	Pulley, Auger Drive, 8.1 x .5
59.	756-04113	Pulley, Half, V x 2.600 OD
60.	756-04252	Pulley, Half, 3/8-V x 1.7160 OD
61.	790-00208C	Idler Bracket, Wheel Drive
62.	684-04169	Idler Pulley Assembly
63.	750-04571	Spacer, Shoulder, .26 x .79 x .538
64.	735-04099	Plug, 3/8 ID
65.	735-04100	Plug, 1/2 ID
66.	712-04064	Nut, Flange Lock, 1/4-20, Nylon
67.	710-0751	Hex Screw, 1/4-20, .620, Gr5
68.	732-04311	Spring, Torsion, .750 ID x .968
69.	712-04063	Nut, Flange Lock, 5/16-18, Nylon
70.	936-3015	Wash., Flat, .469 x .875 x .105
71.	790-00217A-0637	Pivot Bracket, Speed Selector
72.	790-00218A-0637	Shift Bracket, Speed Selector

PARTS LIST

Craftsman Snow Thrower Model 247.889571

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777X43688



777S32236

777D12682



777D12657



777I22363



777D12648



777I23031



777I23030

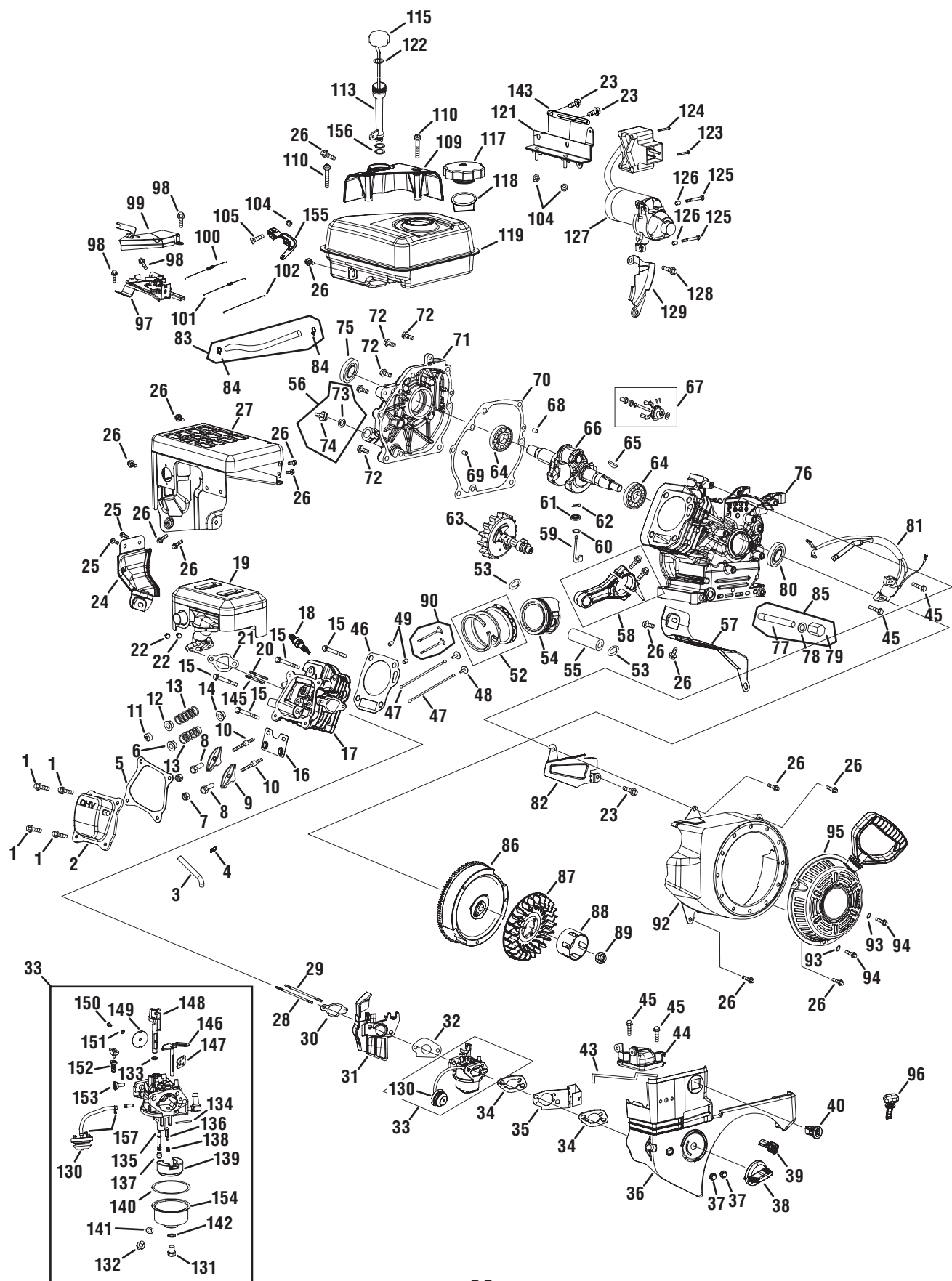


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PARTS LIST

Craftsman Engine Model 265-SU For Snow Thrower Model 247.889571



PARTS LIST

Craftsman Engine Model 265-SU For Snow Thrower Model 247.889571

Ref.	Part No.	Description	Ref.	Part No.	Description
1	710-04968	Bolt	70	951-11371	Crankcase Cover Gasket
2	951-11054	Valve Cover	72	710-04932	Cover Bolt
3	731-07059	Breather Hose	75	951-11368	Oil Seal
4	726-04101	Hose Clamp	78	736-04440	Washer
7	751-11124	Pivot Locking Nut	80	951-11370	Oil Seal
8	751-11123	Valve Adjusting Nut	81	951-10646	Ignition Coil
10	710-04902	Pivot Bolt	82	951-11110	Air Flow Shield
15	710-04933	Bolt	83	951-10650	Fuel Line Kit (incl. clamps and fuel line)
18	951-10292	Spark Plug	84	951-11731	Hose Clamp
19	951-10644	Muffler Assembly	85	951-10641	Oil Drain Assembly, includes 77, 78, 79
20	710-05001	Stud	86	951-10805	Flywheel
21	951-11289	Muffler Gasket	87	951-10909	Cooling Fan
22	712-04214	Nut	88	951-10911	Starter Cup
23	710-04940	Bolt	89	712-04209	Nut
24	951-11111	Exhaust Pipe Shield	90	951-10647	Valve Kit (incl. intake and exhaust valve)
25	710-04914	Bolt	92	951-10663A	Blower Housing
26	710-04915	Bolt	93	736-04455	Washer
27	951-10642A	Muffler Shroud	94	710-04974	Bolt
28	710-04939	Stud, M6 x117	95	951-10658	Recoil Starter Assembly
29	710-04910	Stud, M6 x 105	96	731-05637	Ignition Key
33	951-10974A	Carburetor Assembly	97	951-10758	Throttle Control Assembly
35	951-11112	Choke Control Bracket	98	710-05103	Bolt
36	951-10634	Engine Shroud	99	951-11108	Governor Shield
37	712-04213	Nut	100	751-11935	Governor Spring
38	951-11284	Choke Knob	101	951-10664	Throttle Return Spring
39	951-10757	Throttle Control Knob	102	951-10665	Governor Rod
40	951-10637	Ignition Switch	104	712-04212	Nut
43	951-10640	Choke Push Rod	105	710-04908	Bolt
44	951-10635	Heater Box	109	951-10662	Engine/Dipstick Cover
45	710-04919	Bolt	110	710-04905	Bolt
47	951-10648	Push Rod Kit (incl. intake and exhaust rod)	113	751-11913	Dipstick Tube
49	715-04090	Dowel Pin	115	751-11912	Dipstick
57	951-11113	Air Shield	117	951-10649	Fuel Cap Assembly
59	951-11356	Governor Arm Shaft	118	751-11933	Fuel Level Indicator
60	736-04461	Washer	119	951-10653B	Fuel Tank
62	714-04074	Cotter Pin	121	951-11114	Switch Housing MTG Bracket
64	951-11369	Radial Ball Bearing	122	751-11934	O-Ring
65	951-10307	Flywheel Key	123	710-04965	Bolt, M4 x 55
68	715-04092	Dowel Pin, 7 x 14	124	710-04935	Bolt, M4 x 60
69	715-04096	Dowel Pin, 9 x 14	125	710-05182	Bolt

PARTS LIST

Craftsman Engine Model 265-SU For Snow Thrower Model 247.889571

Ref.	Part No.	Description	Qty.
126	715-04088	Dowel Pin	
127	951-10645A	Electric Starter	
128	710-04979	Bolt	
129	951-11109	Blower Housing Shield	
130	951-10639A	Primer	
131	710-04945	Bolt	
132	710-04938	Drain Bolt	
143	951-11680	Wire Clip	
155	951-11106	Governor Arm Bracket	
156	951-11903	O-Ring	
—	951-10651	Fuel Tank Nipple (Not Shown)	
—	952Z265-SU	Engine, Complete	
33	951-10974A	Carburetor Assembly	—
130	951-10639A	Primer	1
131	710-04945	Bolt	1
132	710-04938	Drain Bolt	1
133	—	Gasket, Throttle Plate	1
134	—	Float Pin	1
135	—	Emulsion Tube	1
136	—	Needle Valve	1
137	—	Main Jet	1
138	—	Needle Valve Spring	1
139	—	Float	1
140	951-11589	Fuel Bowl Gasket	1
141	951-11349	Fuel Drain Plug Gasket	1
142	951-11348	Fuel Bowl Gasket	1
146	—	Choke Shaft	1
147	—	Choke Plate	1
148	—	Throttle Shaft	1
149	—	Throttle Plate	1
150	—	Screw, M3x5	1
151	—	Lock Washer	1
152	—	Idle Jet Assembly	1
153	—	Idle Speed Adjusting Screw	1
154	—	Fuel Bowl	1
157	751-11906	Hose Clamp	
56	951-11283	Oil Fill Plug Assembly	—
73	951-11577	O-Ring	1
74	—	Oil Fill Plug	1

Ref.	Part No.	Description	Qty.
—	951-11061A	Gasket Kit, Complete (Not Shown)	—
5	951-11565	Head Cover Gasket	1
21	951-11289	Muffler Gasket	1
30	951-11567	Carburetor Insulator Gasket	1
31	751-11896	Carburetor Insulator Plate	1
32	751-11569A	Carburetor Gasket	1
34	751-11897	Carburetor Gasket Plate	2
46	751-11898	Cylinder Head Gasket	1
60	736-04461	Washer	1
61	—	Governor Seal	1
62	714-04074	Cotter Pin	1
70	951-11371	Crankcase Cover Gasket	1
75	951-11368	Oil Seal	1
78	736-04440	Washer	1
80	951-11370	Oil Seal	2
—	951-10722A	Cylinder Head Assembly (Not Shown)	—
5	951-11565	Head Cover Gasket	1
6	751-12000	Intake Valve Spring Seat	1
7	751-11124	Pivot Locking Nut	2
8	751-11123	Valve Adjusting Nut	2
9	751-11893	Rocker Arm	2
10	710-04902	Pivot Bolt	2
11	751-12002	Exhaust Valve Adjuster	1
12	751-12003	Exhaust Valve Spring Seat	1
13	751-12004	Valve Spring	2
14	751-11894	Intake Valve Seal	1
16	751-11895	Push Rod Guide Plate	1
17	—	Cylinder Head - Complete	1
21	951-11289	Muffler Gasket	1
30	951-11567	Carburetor Insulator Gasket	1
31	751-11896	Carburetor Insulator Plate	1
46	751-11898	Cylinder Head Gasket	1
90	951-10647	Valve Kit	1
—	951-11248A	Crankcase Kit (Not Shown)	—
61	—	Governor Seal	1
64	951-11369	Radial Ball Bearing	1
70	951-11371	Crankcase Cover Gasket	1
76	—	Crankcase	1
80	951-11370	Oil Seal	1

PARTS LIST

Craftsman Engine Model 265-SU For Snow Thrower Model 247.889571

Ref.	Part No.	Description	Qty.
—	951-11020	Carburetor Kit, Major (Not Shown)	—
133	—	Gasket, Throttle Plate	1
134	—	Float Pin	1
135	—	Emulsion Tube	1
136	—	Needle Valve	1
137	—	Main Jet	1
138	—	Needle Valve Spring	1
139	—	Float	1
140	951-11589	Fuel Bowl Gasket	1
141	951-11349	Fuel Drain Plug Gasket	1
142	951-11348	Fuel Bowl Gasket	1
—	951-10661B	Gasket Kit, External (Not Shown)	—
5	951-11565	Head Cover Gasket	1
21	951-11289	Muffler Gasket	1
30	951-11567	Carburetor Insulator Gasket	1
31	751-11896	Carburetor Insulator Plate	1
32	751-11569A	Carburetor Gasket	1
34	751-11897	Carburetor Gasket Plate	2
78	736-04440	Washer	1
—	951-11246	Crankcase Cover Kit (Not Shown)	—
64	951-11369	Radial Ball Bearing	1
70	951-11371	Crankcase Cover Gasket	1
71	—	Case Cover	1
72	710-04932	Cover Bolt	7
73	—	O-Ring	1
74	—	Oil Fill Plug	1
75	951-11368	Oil Seal	1
—	951-11247A	Crankshaft Kit (Not Shown)	—
64	951-11369	Radial Ball Bearing	2
65	951-10307	Flywheel Key	1
66	—	Crankshaft Assembly	1
75	951-11368	Oil Seal	1
80	951-11370	Oil Seal	1
—	951-11063	Valve Cover Kit (Not Shown)	—
2	951-11054	Valve Cover	1
5	951-11565	Head Cover Gasket	1
—	751-11913	Oil Fill Tube Assembly	—
113	751-11913	Dipstick Tube	1
156	951-11903	O-Ring	2

Ref.	Part No.	Description	Qty.
—	951-11062A	Short Block Assembly (Not Shown)	—
5	951-11565	Head Cover Gasket	1
21	951-11289	Muffler Gasket	1
30	951-11567	Carburetor Insulator Gasket	1
31	751-11896	Carburetor Insulator Plate	1
46	751-11898	Cylinder Head Gasket	1
48	751-11899	Tappet	2
49	715-04090	Dowel Pin	2
52	951-11553	Piston Ring Set	1
53	951-11632	Piston Pin Snap Ring	2
54	751-11900	Piston	1
55	751-11901	Piston Pin	1
58	951-11573	Connecting Rod Assembly	1
59	951-11356	Governor Arm Shaft	1
60	736-04461	Washer	1
61	751-11902	Governor Seal	1
62	714-04074	Cotter Pin	1
63	951-11575	Camshaft Assembly	1
64	951-11369	Radial Ball Bearing	2
65	951-10307	Flywheel Key	1
66	—	Crankshaft Assembly	1
67	951-11576	Governor Gear/Shaft Assembly	1
68	715-04092	Dowel Pin, 7 x 14	1
69	715-04096	Dowel Pin, 9 x 14	1
70	951-11371	Crankcase Cover Gasket	1
71	—	Cover Complete, Left Crankcase	1
72	710-04932	Cover Bolt	7
73	951-11577	O-Ring	1
74	—	Oil Fill Plug	1
75	951-11368	Oil Seal	1
76	—	Crankcase	1
77	951-11350	Oil Drain Pipe	1
78	736-04440	Washer	1
79	710-04906	Oil Drain Plug Washer	1
80	951-11370	Oil Seal	2
—	751-11912	Dipstick Assembly	—
115	751-11912	Dipstick	1
122	751-11934	O-Ring	1
145	951-10657	Muffler Stud Assembly	—
20	710-05001	Stud	2