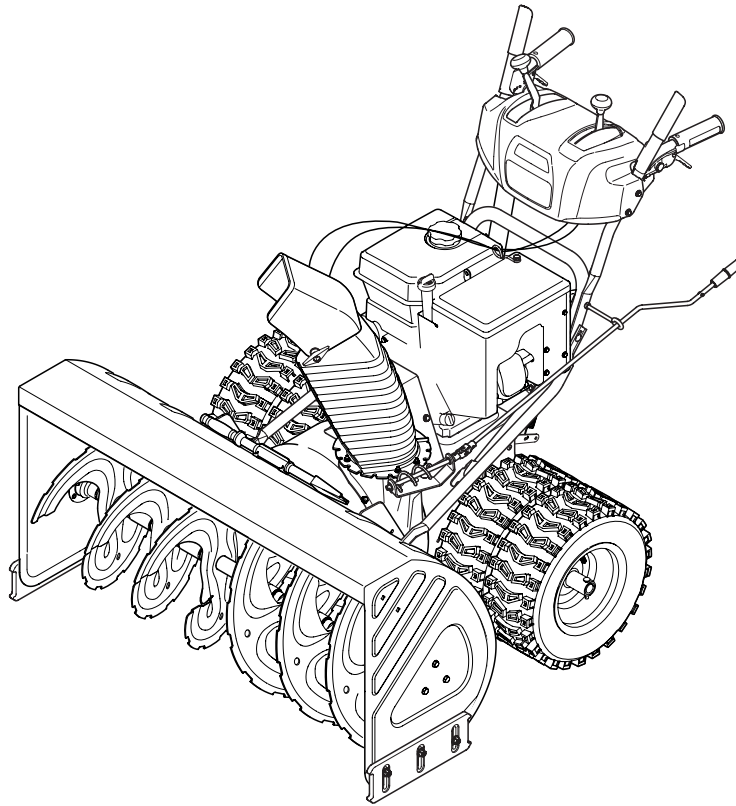

Cub Cadet®

ILLUSTRATED PARTS MANUAL



Two Stage Snow Thrower — 2X 945 SWE

CUB CADET LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

To The Owner

Thank You

Thank you for purchasing a Cub Cadet Snow Thrower. It was carefully engineered to provide excellent performance when properly operated and maintained.

All information in this manual is relative to the most recent product information available at the time of printing. Please be aware that this Illustrated Part's Manual may cover a range of product specifications for various models.

Components listed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

Throughout this manual, all references to *right* (RH) and *left* (LH) are observed from the operating position.

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Record Product Information

To ease in ordering replacement parts, please locate the model plate on the equipment and record the information in the provided area to the right. You can locate the model plate by looking beneath the seat.

MODEL NUMBER

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SERIAL NUMBER

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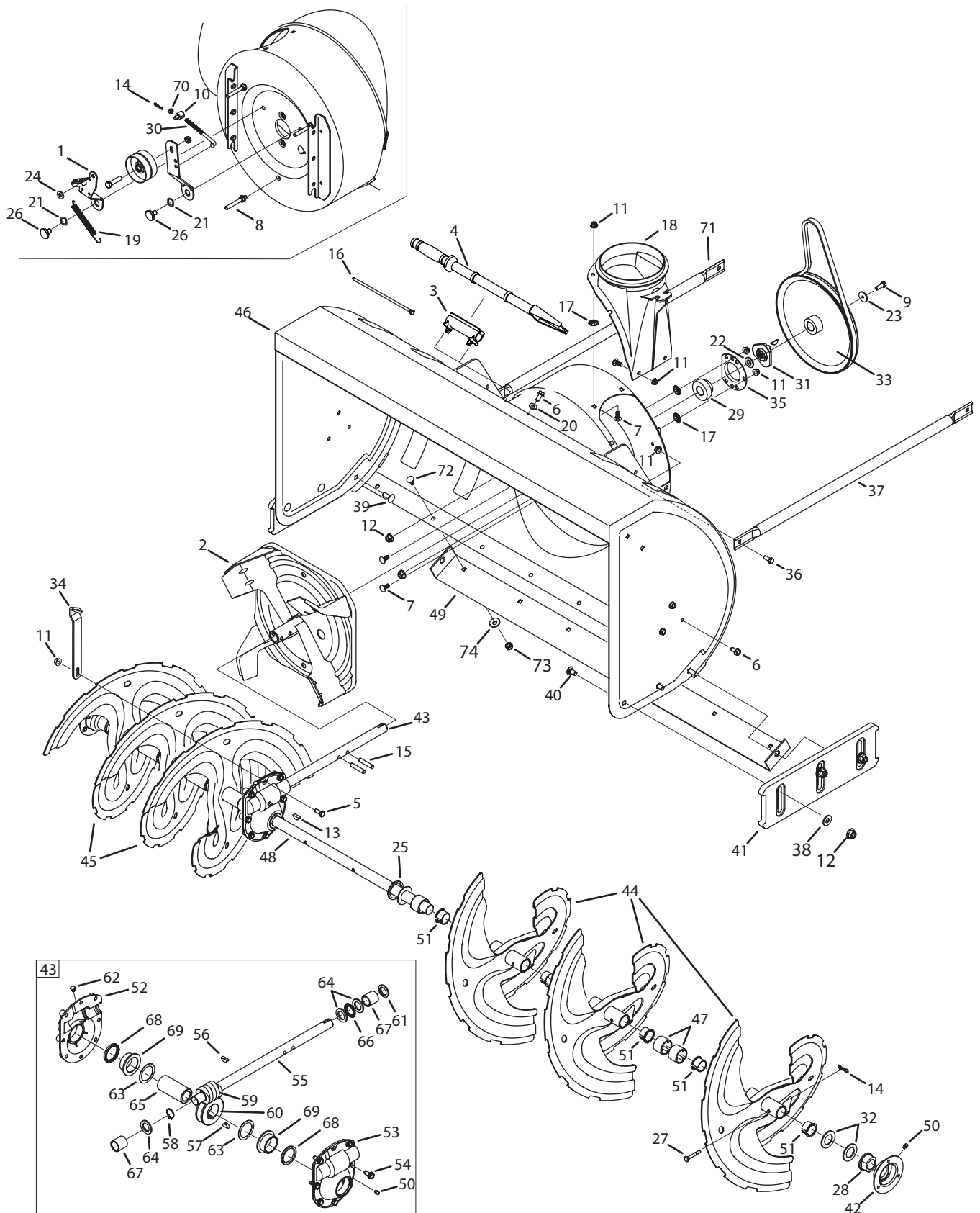
Painted Parts

When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXX-0637). Please refer to the table below for current color codes:

0637	Black	0685	Blue (Cub Cadet)
4021	Yellow (Cub Cadet)	0691	Black Jack (Cub Cadet Commercial)
0499	Beige (Cub Cadet)		

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Augers, Auger Housing, and Gearbox

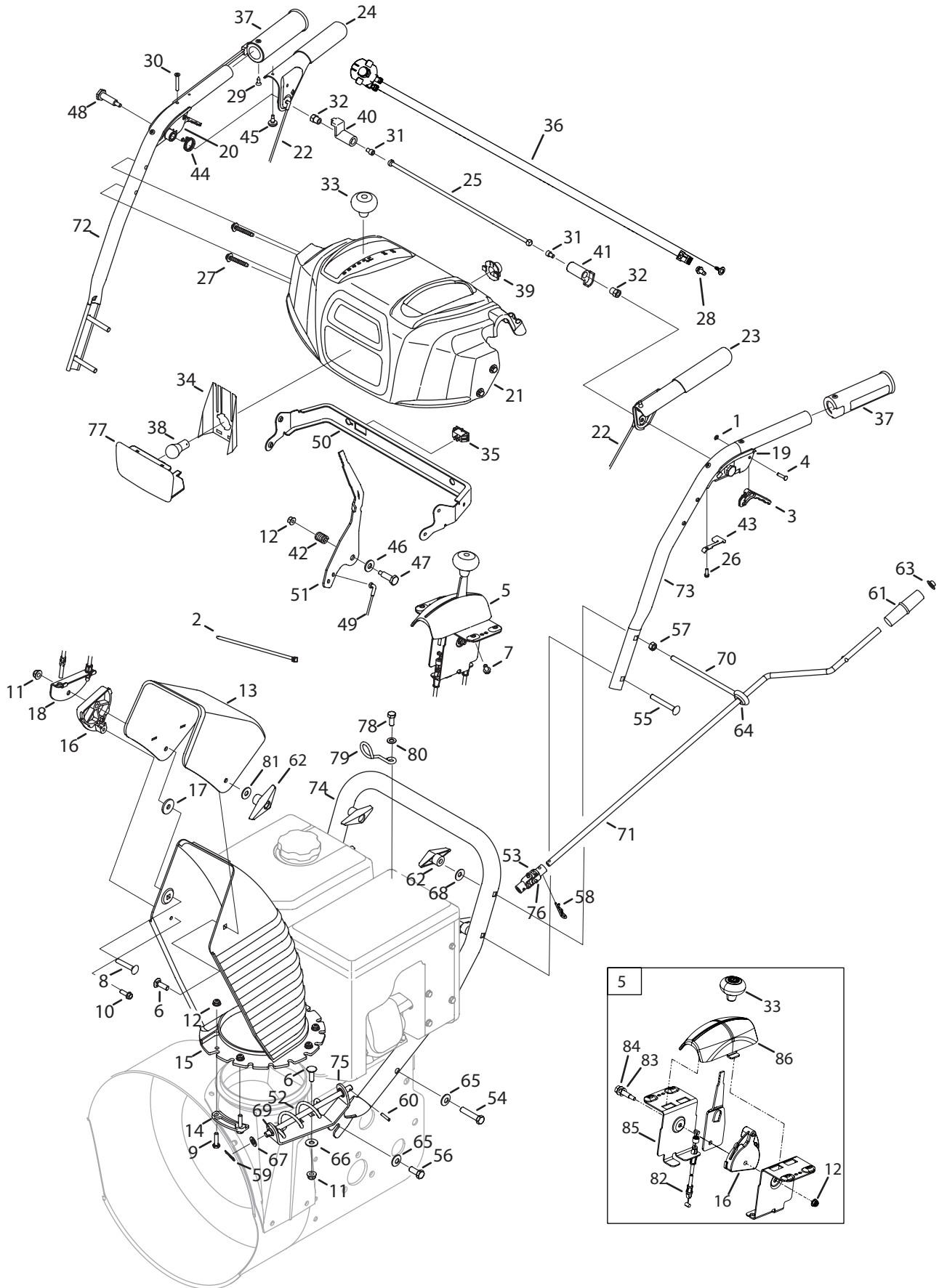


Augers, Auger Housing, and Gearbox

Ref.	Part Number	Description
1.	918-0281A	Bracket Assembly, Auger Brake
2.	684-0090B	Impeller, 16"
3.	731-2635	Clip, Mounting
4.	931-2643	Tool, Clean-out
5.	710-0376	Screw, Hex Cap, 5/16-18 x 1.0 Gr5
6.	710-04484	Screw, 5/16-18 x .750
7.	710-0451	Screw, Carriage, 5/16-18 x .75
8.	710-04606A	Screw w/Stud, 5/16-18 x .4300
9.	710-1245B	Screw, Hex Cap Lock, 5/16-24, 875
10.	911-0677	Ferrule
11.	712-04063	Nut, Hex Flange Lock, 5/16-18
12.	712-04065	Nut, Hex Flange Lock, 3/8-16
13.	914-0135	Key, Woodruff, 1/4 x 3/4
14.	714-04040	Pin, Bow-tie Cotter
15.	915-0118	Pin, Spiral, 5/16 x 1.75
16.	725-0157	Cable Tie
17.	926-04012	Nut, Push
18.	731-1696B	Adapter, Chute, 6"
19.	732-0858	Spring, Extension
20.	936-0159	Washer, Flat, .349 x .879 .063
21.	736-0174	Washer, Wave, .625 x .885 x .015
22.	736-0188	Washer, Bell., .78 x 1.49 x .06
23.	736-0505	Washer, Flat, .34 x 1.5 x .15 Ht.
24.	936-3008	Washer, .344 x .75 x .12
25.	736-3046A	Washer, 1.01 x 1.86 x .06
26.	938-0281	Screw, Shoulder, .625 x .17
27.	738-04155	Pin, Shear, .25 x 1.75
28.	941-0170	Bearing, Flange w/Flats
29.	941-04024	Bearing, Self Aligning
30.	747-0980A	Rod, Auger Idler
31.	748-04067A	Adapter, Pulley w/Pins
32.	950-04020	Spacer, 1.004 x 1.375 x .25
33.	756-04244A	Pulley, Auger Drive, 10.0
34.	790-00264A	Bracket, Gear Box Support
35.	05244B	Housing, Bearing
36.	710-3008	Screw, 5/16-18 x .75 GR5
37.	749-04485	Tube, Support, LH

Ref.	Part Number	Description
38.	736-0262	Washer, Flat, .385 x .870 x .092
39.	710-3034	Screw, Carriage, 3/8-16 x .75
40.	710-3168	Screw, Carriage, 3/8-16 x 1.00
41.	731-07032	Skid Shoe
42.	784-0315A	Housing, Bearing
43.	918-04514	Gear Box Assembly
44.	684-04151	Spiral Assembly, LH
45.	684-04152	Spiral Assembly, RH
46.	684-04234	Housing, Auger - 45"
47.	731-05163	Spacer, 1.50 x 1.00 x 1.00
48.	738-04159	Axle, Spiral
49.	790-00280	Shave Plate, 45"
50.	937-3000	Grease Fitting, 3/16
51.	741-0494	Flange Bushing
52.	918-0246	Housing Assembly, Auger, RH
53.	918-0435	Housing Assembly, Auger, LH
54.	710-1260A	Screw, LD, 5/16-18 x .750
55.	711-04714	Auger Drive Shaft
56.	914-0126	Key, Hi Pro, 3/16 x 3/4
57.	914-0135	Key, 1/4 x 3/4 Dia.
58.	716-0111	External Retainer Ring
59.	917-0299	Gear, Worm
60.	917-1425	Gear, Worm, LH
61.	921-0145	Seal, Oil
62.	721-0325	Plug
63.	936-0266	Wash, Flat, 1.52ID x 2.0 OD
64.	936-0291	Wash, Flat, .88 ID x .38 OD
65.	738-0275	Worm Gear Shaft
66.	741-0184	Bearing, Thrust
67.	941-0217	Sleeve
68.	921-0146	Oil Seal
69.	741-0670	Flange Bearing
70.	712-3007	Jam Nut, 5/16-18
71.	749-04489	Tube, Support, RH
72.	710-04525	Screw, Carriage, 5/16-18 x .750
73.	712-04103	Nut, Hex, 5/16-18
74.	736-04216	Washer, Bell., .34 x .872 x .060

Handles, Handle Panel & Discharge Chute

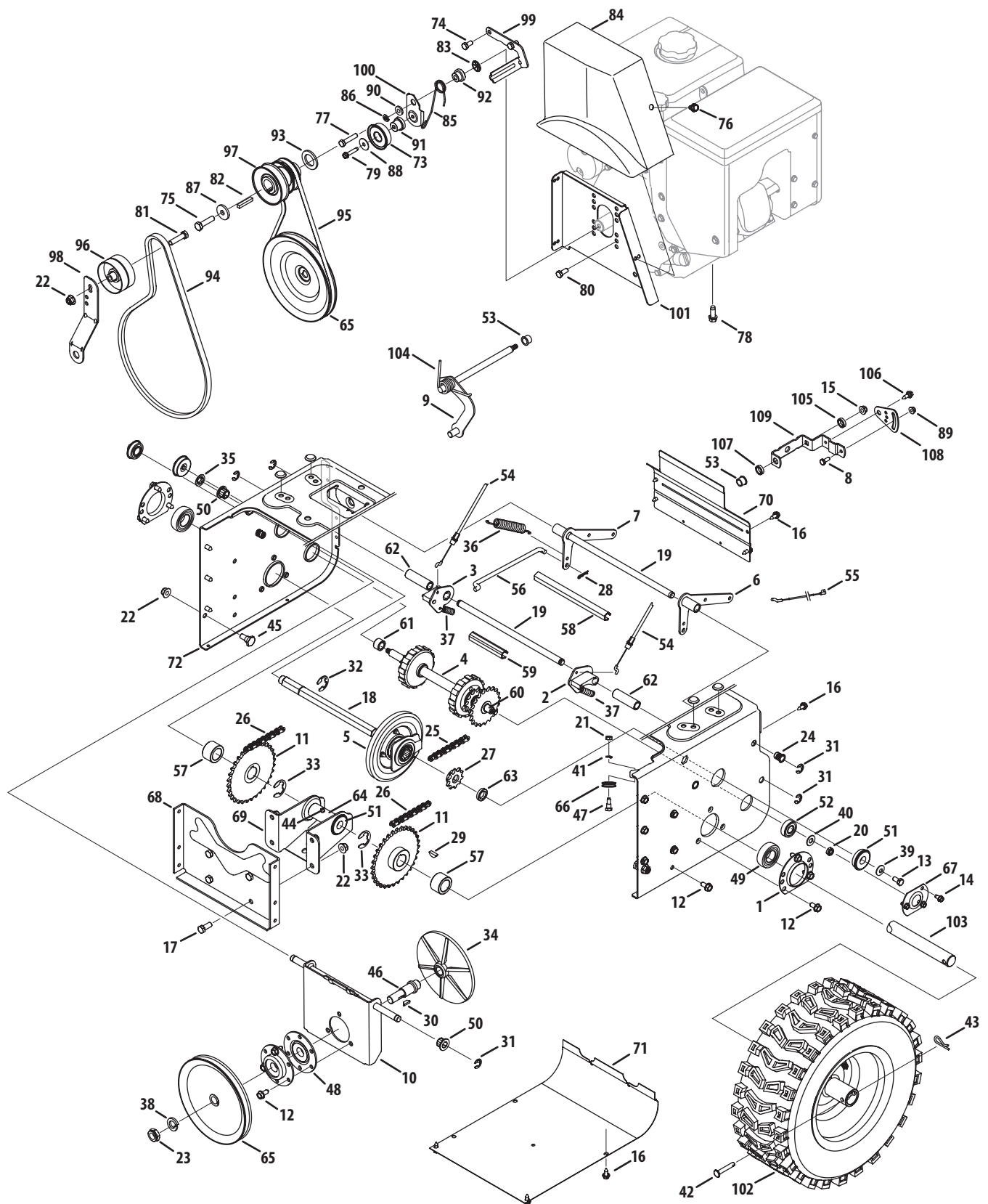


Handles, Handle Panel & Discharge Chute

Ref.	Part Number	Description
1.	716-04036	E-Ring
2.	725-0157	Cable Tie
3.	731-04954	Trigger Lock
4.	738-04126	Pin, 3/16
5.	984-04230	Chute Control Assembly
6.	710-0276	Carriage Screw, 5/16-18 x 1.0
7.	710-04187	Screw, 1/4-15 x .50
8.	710-0458	Carriage Screw, 5/16-18 x 1.75
9.	710-0597	Hex Screw 1/4-20 x 1.0
10.	710-0895	Screw, 1/4-15 x .750
11.	712-04063	Flange Lock Nut 5/16-18
12.	712-04064	Flange Lock Nut 1/4-20
13.	731-0846C	Upper Chute, 6.0
14.	731-0851A	Chute Flange Keeper
15.	731-0903E	Lower Chute
16.	731-1313C	Cbl. Guide, Chute Tilt
17.	936-0231	Flat Wash, .344 x 1.125 x .12
18.	784-5594	Cable Bracket
19.	631-04133A	Handle Assembly, LH
20.	631-04134B	Handle Assembly, RH
21.	931-04187A	Handle Panel
22.	646-0012	Cable Ass'y, Auger/Drive
23.	684-04105B	Engagement Handle, LH
24.	684-04106C	Engagement Handle, RH
25.	684-04250	Clutch Lock Rod Assembly
26.	710-04326	Screw, #8-16 x .50
27.	710-04586	Screw, 1/4-20 x 1.625
28.	710-0599	Hex Screw, 1/4-20 x .5
29.	710-0837	Screw, #10-16 x .625
30.	710-1233	Screw, #10-24 x 1.375
31.	710-3069	Screw, 1/4-20 x .50
32.	712-04081A	Nut, Hex, 1/4-20
33.	720-04039	Shift Knob
34.	777X41804	Lens Lable
35.	725-04393	Heated Grip Switch
36.	725-05148	Wire Harness
37.	925-06107	Heated Grip
38.	925-1629	Lamp, 12.8V
39.	925-1649	Light Socket
40.	731-04894D	Lock Plate
41.	731-04896B	Clutch Lock Cam
42.	732-0193	Compression Spring
43.	732-04219C	Clutch Lock Spring

Ref.	Part Number	Description
44.	732-04238B	Torsion Spring, .8156 ID x .3038
45.	935-0199A	Rubber Bumper
46.	936-0267	Flat Washer, .385 x .87 x .06
47.	738-04125	Screw, Shldr., .374 x 1.05
48.	738-04348	Screw, Shldr., .437 x 1.345
49.	746-04341	Clutch Cable
50.	790-00248C	Panel Bracket
51.	790-00281B	Shift Lever
52.	684-04308A	Chute Crank Assembly
53.	684-04350	Joint Block Assembly
54.	710-04682	Hex Screw, 3/8-16 x 2.00
55.	710-0572	Carriage Screw, 5/16-18 x 2.5
56.	710-3118	Screw, Hex, 3/8-16 x 1.00
57.	912-3010	Nut, Hex, 5/16-18
58.	914-0101	Internal Cotter Pin
59.	714-04040	Pin, Bow-tie Cotter
60.	715-04095	Spring Pin, .156 dia. x .875 Lg.
61.	720-0201A	Knob, Crank
62.	920-0284	Knob, Wing Nut, 5/16-18
63.	926-0100	Push Cap, 3/8
64.	735-0234	Rubber Grommet
65.	736-0105	Bell Wash, .375 x .87 x .063
66.	936-0159	Flat Washer, .349 x .879 x .063
67.	936-0185	Flat Wash, .375 x .738 x .063
68.	736-0242	Wash, Bell, .34 x .872 x .06
69.	941-0475	Plastic Bushing, .38 ID
70.	747-04747	Eye Bolt, .70 Dia.
71.	747-04925A	Chute Rod, .375 Dia. x 29.72
72.	749-04674	Handle, Upper, RH
73.	749-04675	Handle, Upper, LH
74.	749-0991	Handle, Lower
75.	790-00329	Chute Crank Bracket
76.	715-0150	Roll Pin, 3/16 Dia. x 1.100
77.	731-05324	Lens
78.	710-1681	Hex Screw, M8-1.25
79.	732-04677	Cable Guide
80.	936-0264	Flat Washer, .330 x .630 x .0635
81.	936-0159	Washer, Flat, .349 x .879
82.	746-04338	Cable, Chute Tilt
83.	736-0413	Washer, Spring, .39 x .625 x .012
84.	738-04185	Screw, Shoulder, .31 x .995:1/4-20
85.	790-00200A	Bracket, Mounting
86.	731-05307	Cover, Tilt Cover

Snow Thrower Drive System



Snow Thrower Drive System

Ref. No.	Part No.	Description
1.	05244B	Housing, Bearing
2.	918-0279A	Dogg, Steering Drive, LH
3.	918-0280A	Dogg, Steering Drive, RH
4.	918-0282E	Shaft Assembly, Steering
5.	918-04178	Assembly, Friction Wheel
	718-04034	Wheel, Friction, Bonded
	710-0896	Screw, Hex Wash
6.	684-0118B	Bracket, Auger Actuator
7.	684-0119B	Bracket, Drive Actuator
8.	710-0751	Hex Head Screw, 1/4-20
9.	684-04229	Rod Assembly, Shift
10.	684-04212	Brkt, Friction Drive Suprt.
11.	684-04235	Sprocket, 32T
12.	710-04484	TT Screw, 5/16-18 x .750
13.	710-0538	Screw, Hex Cap Lock,
14.	710-0599	Screw, Hex, 1/4-20 x .50
15.	712-04063	Flange Lock Nut 5/16-18
16.	710-1652	Screw, Hex Wash.
17.	710-3001	Screw, Hex Cap, 3/8-16
18.	911-04279	Shaft, Hex Drive
19.	711-04605	Shaft, Actuator
20.	912-0116	Nut, Hex Insert Jam Lock
21.	912-0138	Nut, Hex, 1/4-28 GR5
22.	712-04065	Nut, Hx Flnge Insert Lk
23.	912-0413	Nut, Hx Insert Jam Lk
24.	712-0717	Nut, Insert 3/8-16
25.	713-0284	Chain, Endless, #41 x 36L
26.	713-0286	Chain, #420 x 40L
27.	913-04015	Sprocket, #41 x 10T
28.	914-0104	Pin, Internal Cotter
29.	914-0135	Key, Woodruff
30.	914-0388	Key, Hi-Pro, 3/16 x 5/8
31.	916-0104	E-Ring
32.	716-0136	Ring, Retaining
33.	716-04048	Ring, Retainer
34.	917-0302	Plate, Drive
35.	726-0221	Speed Nut, .500
36.	932-0121	Spring, Extension
37.	932-0209	Spring, Extension
38.	936-0158	Washer, Lock, 5/8
39.	736-0242	Wsh, Bell., .34 x .872 x .06

Ref. No.	Part No.	Description
40.	936-0864	Wash, .375 x .812 x .060
41.	936-0329	Washer, Lock, 1/4
42.	711-04615	Pin, Clevis
43.	914-0149B	Pin, Internal Cotter
44.	937-3000	Fitting, Lube, 3/16 Drive
45.	738-0143	Screw, Shldr., .498 x .34
46.	738-0279	Spindle, Drive Plate
47.	738-0924A	Screw, Hex Shldr., 1/4-28
48.	741-0163A	Ass'y, Bearing/Housing
49.	941-04025	Bearing, Self Aligning
50.	741-04108	Bearing, Hex Flange
51.	941-0563	Bearing, Ball
52.	741-0747	Bush, Flg, .5625 ID x 1.375 x .4375
53.	741-0748	Bush, Flg, .5 ID x .627 OD
54.	946-04337A	Cable, Steering
55.	946-0951A	Cable, Auger Idler
56.	747-0973	Rod, Drive Clutch
57.	750-04703	Spacer, 1.01 x 1.50 x .93
58.	750-04717	Spacer, .49 x 7.865
59.	750-04718	Spacer, .49 x 3.545
60.	750-05342	Spacer, .566 x .87 x .190
61.	750-05343	Spacer, .566 x .87 x 1.25
62.	750-0903B	Spcr., .514 x .632 x 2.44
63.	950-0997	Spacer, .675 x 1.0 x .23
64.	750-1302B	Spcr, .6725 x 1.125 x 2.48
65.	756-0344	Pulley, Drive
66.	756-0625	Roller, Cable
67.	784-0404	Retainer Bracket
68.	784-0406A	Bracket, Frame Support
69.	784-0407	Bracket, Axle Support
70.	790-00257	Cover, Upper Frame
71.	790-00259	Cover, Lower Frame
72.	790-00349	Trans Frame
73.	684-04169	Idler Pulley Assembly
74.	710-0627	Screw, Hex 5/16-24 x .75
75.	710-0191	Screw, Hex 3/8-24 x 1.25
76.	710-0607	Screw, Hx Wash Hd Tapp
77.	710-0624	Screw, Hex Cap, 5/16-24 x 1.50
78.	710-0654A	Screw, 3/8-16 x 1.00
79.	710-0809	Screw, 1/4-20 x 1.25
80.	738-04439	Screw, Shldr., .500 x .145

Continued on following page

Snow Thrower Drive System *(Continued)*

Ref. No.	Part No.	Description
81.	710-0347	Screw, Hex Cap, 3/8-16 x 1.75
82.	714-0118	Key, Square, 1/4 x 1.5
83.	926-04012	Nut, Push
84.	931-2531	Cover, Belt
85.	732-04308A	Torsion Spring, .850 dia. x .333 lg.
86.	936-0119	Washer, Lock, 5/16
87.	736-3082A	Washer, Flat, .45 x 1.5
88.	736-3092	Washer, Flat, .265 x 1.0 x .030
89.	712-04064	Flange Lock Nut 1/4-20
90.	748-04112B	Shldr. Spacer, .3175 x .500 x .094
91.	750-04571	Shldr. Spacer, .260 x .785 x .538
92.	750-04821	Shoulder Spacer, .340 x 1.00
93.	750-05316	Spacer, 1.02 x 1.63 x .1425
94.	954-04194A	V-Belt, 4L x 44.60
95.	954-04202	V Belt, 3/8 x 36.68
96.	756-04224	Pulley, Flat Idler, 2.75 OD
97.	756-0241B	Double Pulley, 3.25 x 2.75
98.	784-0385D	Bracket, Auger Idler
99.	790-00167A	Belt Keeper Bracket
100.	790-00208D	Idler Drive Wheel Bracket
101.	790-00254A	Belt Cover Bracket
102.	634-0225A	Wheel Ass'y. - LH
	634-0226A	Wheel Ass'y. - RH
	734-1124A	Rim Only
	734-2031	Tire
	741-0246A	Bearing
	934-0255	Valve
103.	711-04606A	Axle, Wheel, 45"
104.	732-04385	Torsion Spring, .750 I.D. x .968 Lg.
105.	936-3015	Flat Washer, .469 x .875 x .105
106.	738-04184A	Shoulder Screw, .368 x .113
107.	750-04719	Spacer, .515 ID x .750 OD x .220
108.	790-00217A	Speed Selector Pivot Bracket
109.	790-00218A	Speed Selector Shift Bracket

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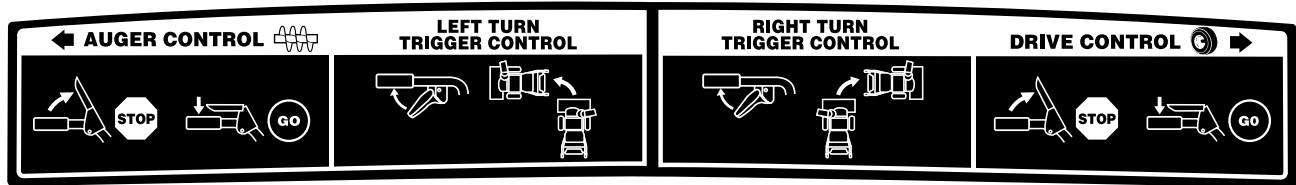
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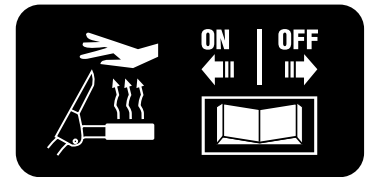
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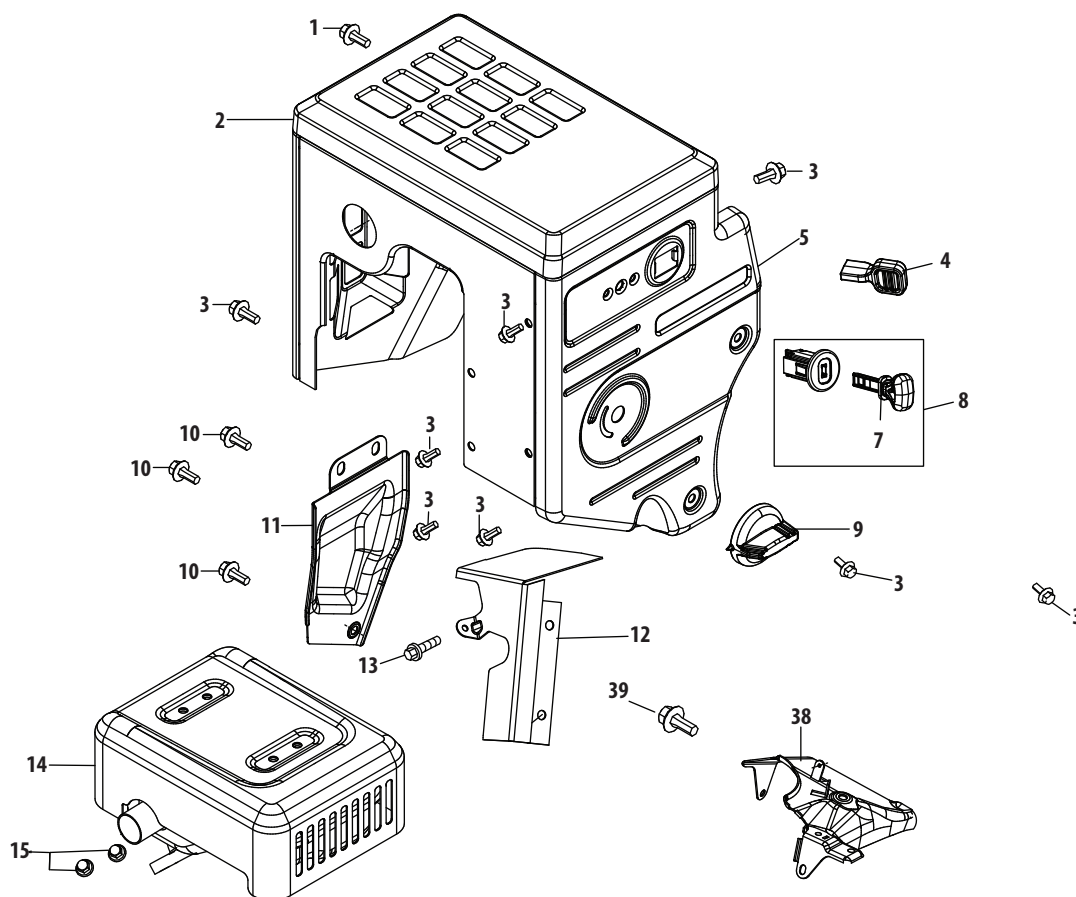
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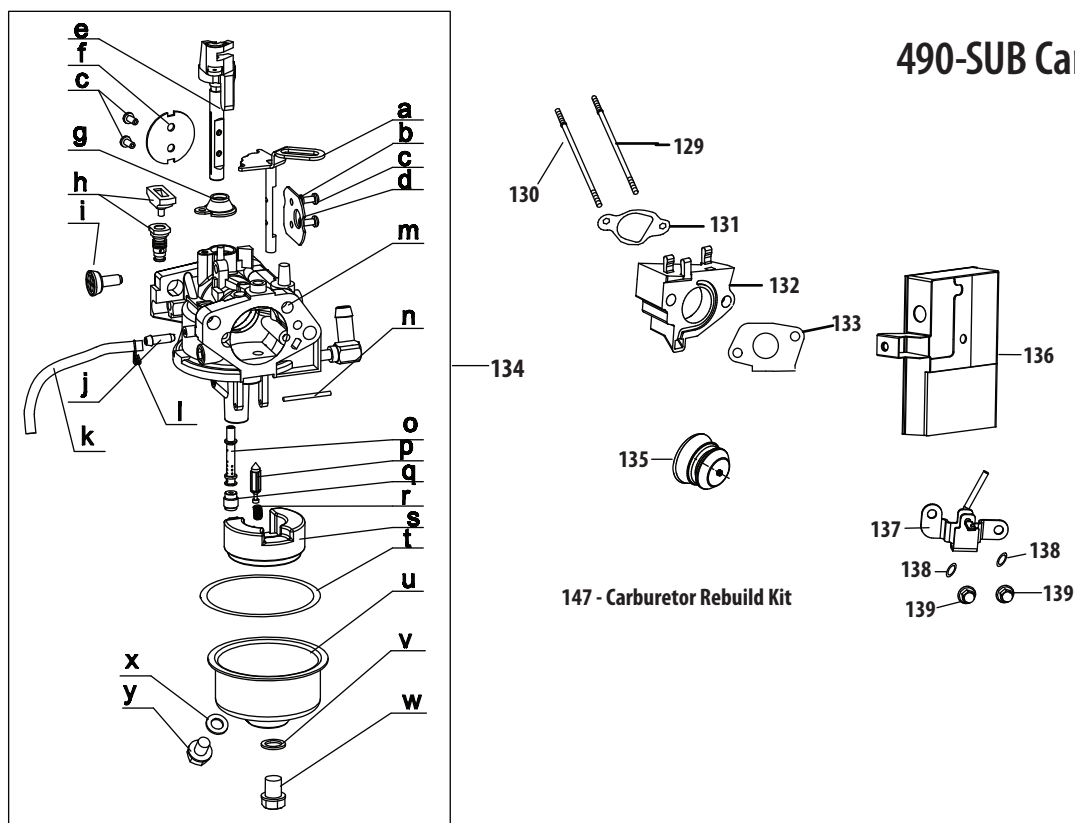
Engine Model 490-SUB Muffler & Controls



Ref.	Part Number	Description
1	710-04915	Bolt M6×12
2	951-11339	Muffler Shield
3	710-04915	Bolt M6×12
4	951-10757	Throttle Control Knob
5	951-11595	Control Panel
7	731-05632	Key
8	951-10637	Key Switch Assembly
9	951-11302	Choke Knob

Ref.	Part Number	Description
10	710-04914	Bolt M6×10
11	951-11181	Exhaust Pipe Shield
12	951-11321	Carburetor Heat Shield
13	710-04968	Bolt M6×16
14	951-11338	Muffler Assembly
15	712-05015	Nut, M8
38	951-11311	Throttle Control Assembly
39	710-04915	Bolt M6×12

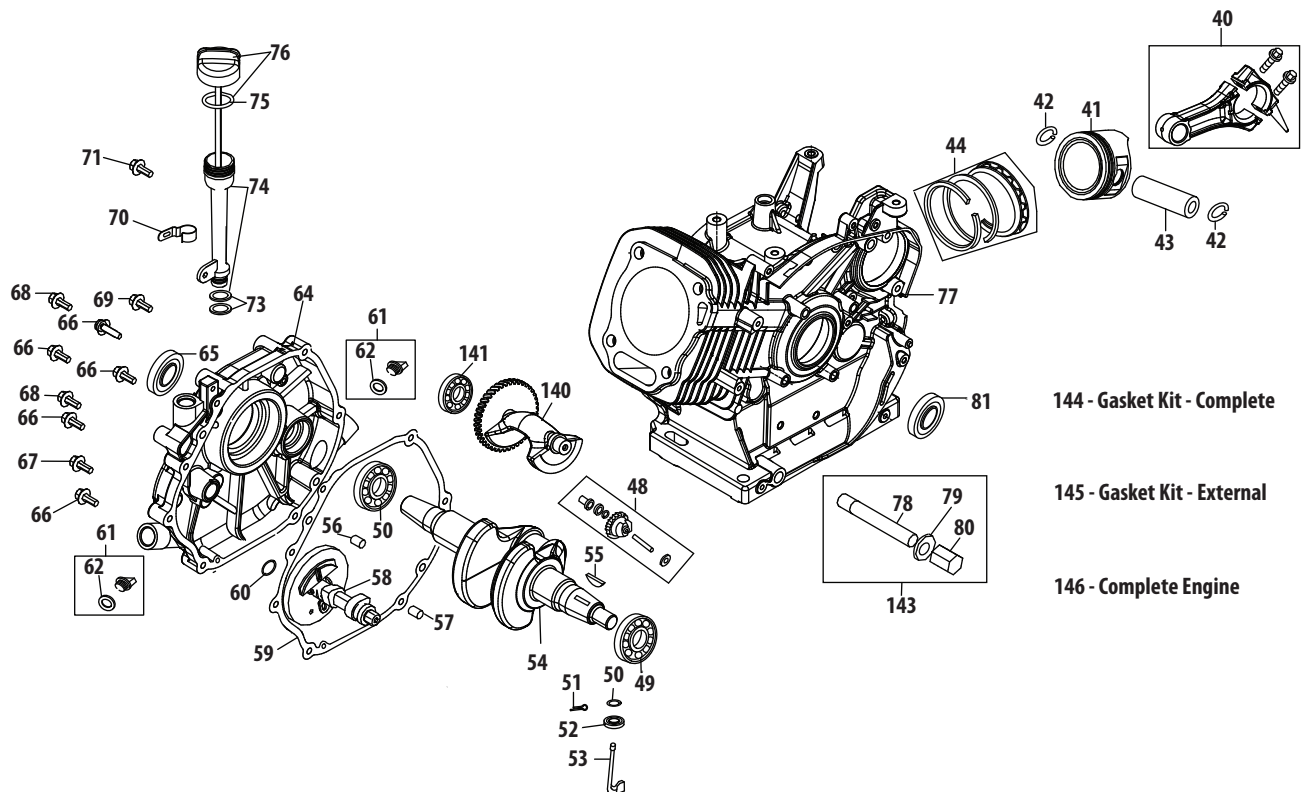
490-SUB Carburetor



Ref.	Part Number	Description
129	710-05392	Stud M6-8×100
130	710-05056	Stud M6-8×118
131	951-11315	Carburetor Intake Gasket
132	951-11353	Carburetor Insulator
133	951-11354	Carburetor Gasket
134	751-14035	Carburetor Assembly
135	951-10639A	Primer Assembly
135	951-11824	Primer Bulb
136	951-11304	Heater Box
137	951-11192	Choke Assembly
138	736-04477	Lock Washer
139	712-05015	Nut M6
147	751-14231	Carburetor Rebuild Kit (Incl. h, l, n, o, p, q, r, s, t, v, x)
a	n/a	Choke Shaft
b	736-04638	Choke Control Lever Washer
c	710-05469	Fuel Shutoff Lever Screw
d	n/a	Choke Plate
e	n/a	Throttle Shaft
f	n/a	Throttle Plate
	n/a	Gasket

Ref.	Part Number	Description
g	n/a	Throttle Shaft Cover
h	n/a	Idle Jet Rivet
h	n/a	Idle Jet Assembly
i	n/a	Idle Speed Adjusting Screw
j	n/a	Primer Pipe
k	751-11991	Primer Hose
l	951-11906	Primer Hose Clamp
m	n/a	Carburetor Body
n	n/a	Float Pin
o	n/a	Emulsion Tube
p	n/a	Nickel Plated Brass Needle Valve
q	n/a	Main Jet
r	n/a	Needle Valve Spring
s	n/a	Float
t	951-11970	Fuel Bowl Gasket
u	n/a	Fuel Bowl
v	951-11348	Fuel Bowl Gasket
w	710-04945	Fuel Bowl Mounting Bolt
x	951-11349	Fuel Drain Plug Gasket
y	710-04938	Fuel Drain Plug

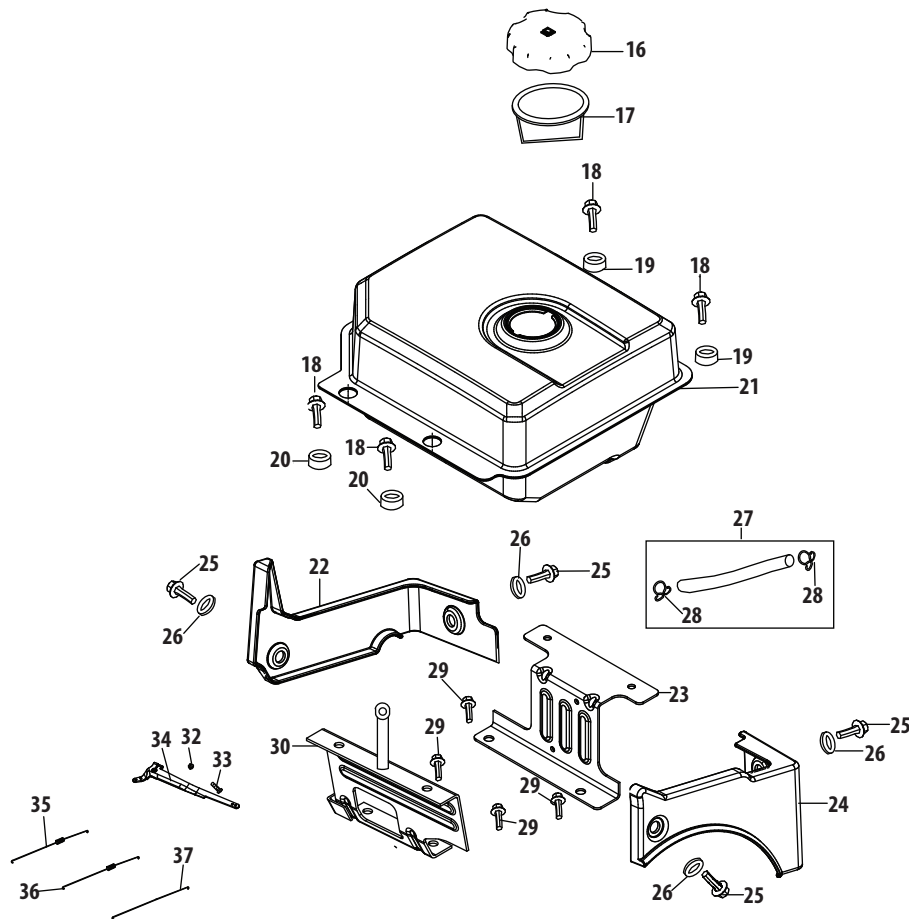
490-SUB Crankcase



Ref.	Part Number	Description
40	951-11951	Connecting Rod Assembly
41	951-12092	Piston
42	951-11953	Piston Pin Snap Ring
43	951-11954	Piston Pin
44	951-12593	Piston Ring Set
48	951-11956	Governor Gear/Shaft Assembly
49	951-11373	Radial Ball Bearing
50	736-04453	Flat Washer
51	714-04077	Governor Shaft Clip
52	951-11958	Governor Seal
53	951-11365	Governor Arm Shaft
54	951-11358	Crankshaft Kit (Inc.49,54,55,65,81)
55	951-10307	Woodruff Key
56	715-04102	Dowel Pin 9 X 12
57	715-04092	Dowel Pin 7 X 14
58	951-11959	Camshaft Assembly
59	951-11376	Crankcase Cover Gasket
60	736-04545	Washer
61	951-11345	Oil Fill Plug Assembly
62	951-11577	O-Ring
64	951-14220	Crankcase Cover
	951-11340	Crankcase Cover Kit (Inc.49,59,60,64-68)
65	951-11375	Oil Seal
66	710-06061	Bolt M8×38
67	710-06062	Bolt M8×45

Ref.	Part Number	Description
68	710-06063	Bolt M8×35
69	710-04968	Bolt M6×16
70	951-11320	Oil Tube Support Bracket
71	710-05349	Bolt M6×8
73	951-11381	Oil Fill Tube O-Ring
74	951-12073	Oil Fill Tube Assembly
75	951-11904	Dipstick O-Ring
76	951-11971A	Dipstick Assembly
77	951-11359A	Crankcase Kit (Inc.49,52,77,81)
	951-11360A	Short Block Assembly (Inc.40-44,48-68,77-81, 102,105,106,108,110,111, 125,131,132,140,141)
78	951-11350	Oil Drain Pipe
79	736-04440	Drain Pipe Washer 10X16X1.5
80	710-04906	Oil Drain Plug Bolt
81	951-11499	Oil Seal
140	951-12095	Balance Gear Assembly
141	951-11969	Bearing
143	951-10641	Oil Drain Asm
144	951-11362	Gasket Kit - Complete (Inc.52,59,65,79,81,106, 108,125,131-133)
145	951-11363	Gasket Kit - External (Inc.79,108,125,131-133)
146	952Z490-SUB	Complete Engine

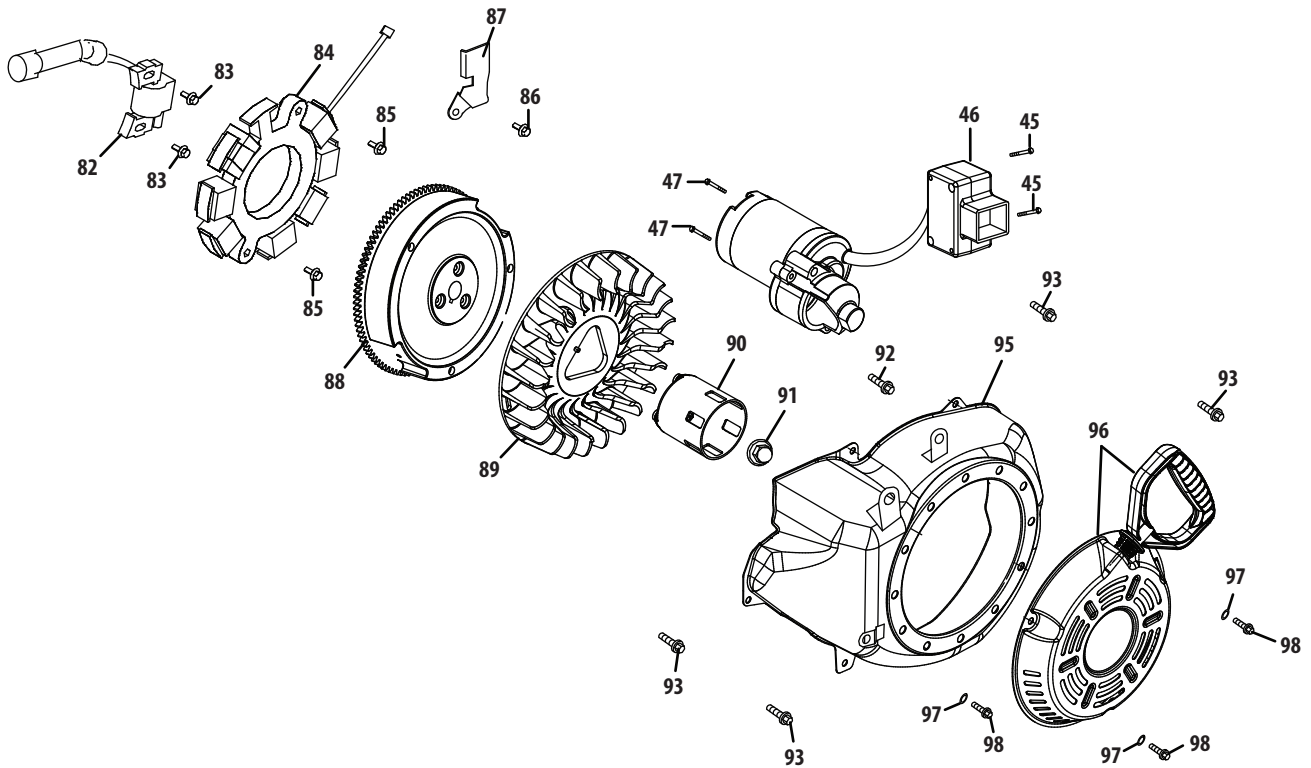
490-SUB Fuel Tank & Mounting



Ref.	Part Number	Description
16	951-12533	Fuel Cap Assembly
17	951-11933	Fuel Level Indicator
18	710-04970	Bolt M8×20
19	750-05312	Bushing, Slot
20	750-05313	Bushing, Rnd
21	951-11201	Fuel Tank Assembly
22	951-11319	Fuel Tank Shroud
23	951-11318	Fuel Tank Mounting Bracket
24	951-11351	Engine Shroud
25	710-04968	Bolt M6×16
26	736-04452	Bush

Ref.	Part Number	Description
27	951-11336	Fuel Line Kit
28	951-11700	Fuel Hose Clamp
29	710-04921	Bolt M8×14
30	951-11182	Fuel Tank Mounting Bracket
32	712-04212	Flange Nut M6
33	710-04908	Governor Arm Bolt M6X21
34	951-11307	Governor Arm
35	951-11306	Governor Spring
36	951-11203	Throttle Return Spring
37	951-11309	Governor Rod

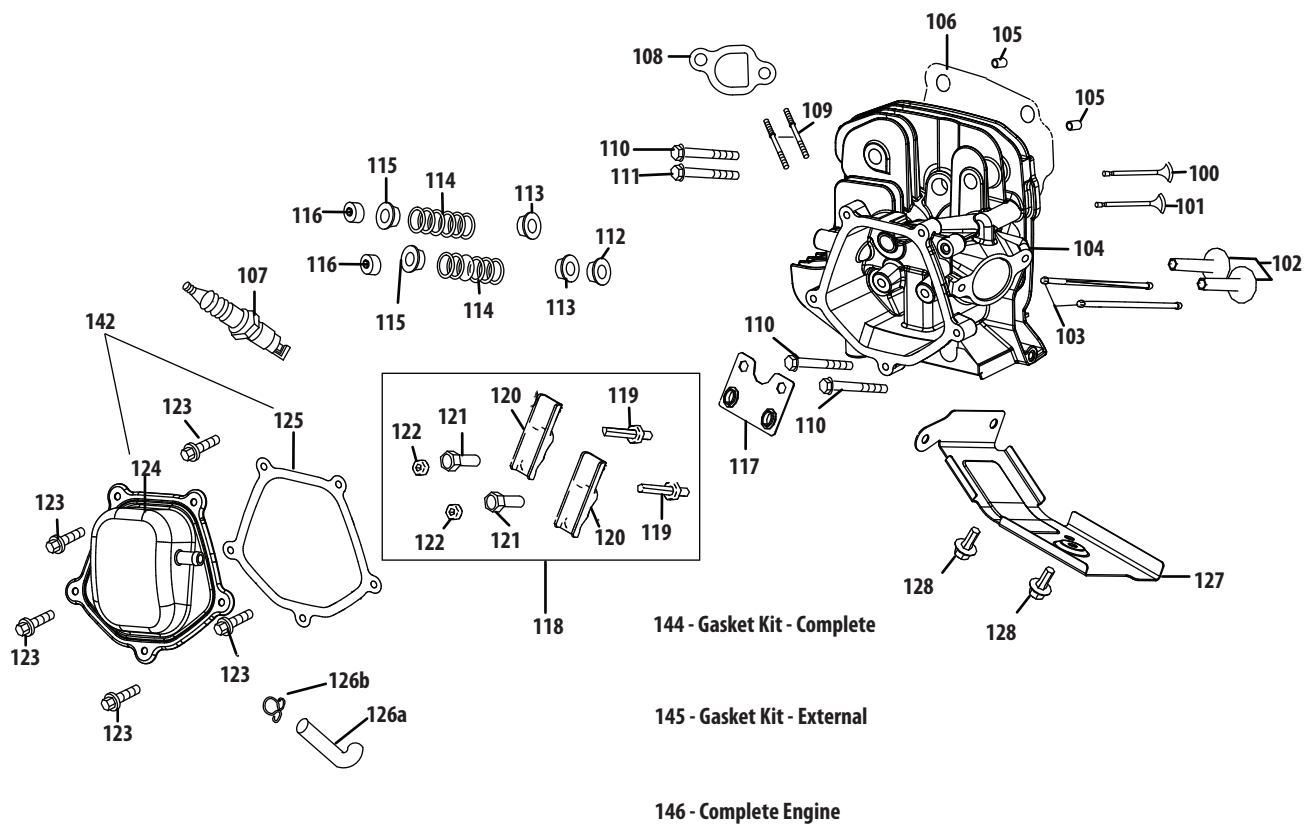
490-SUB Starter Assembly & Blower Housing



Ref.	Part Number	Description
45	710-04965	Screw M4 X 55
46	951-11196	Electric Starter
47	710-04967	Bolt M8x55
82	951-11305	Ignition Coil Assembly
83	710-05350	Ignition Coil Bolt
84	951-12553	Alternator Assembly
85	710-04969	Bolt M6x30
86	710-04966	Bolt M6x8
87	951-11186	Alternator Wire Clamp Bracket
88	951-12556	Flywheel

Ref.	Part Number	Description
89	951-11313	Cooling Fan
90	951-11314	Starter Cup
91	712-04220	Flywheel Nut, M14x1.5
92	710-04968	Bolt M6x16
93	710-04915	Bolt M6x12
95	951-11211	Blower Housing
96	951-14223	Recoil Starter Assembly
97	736-04455	Flat Washer
98	710-04974	Bolt M6x10

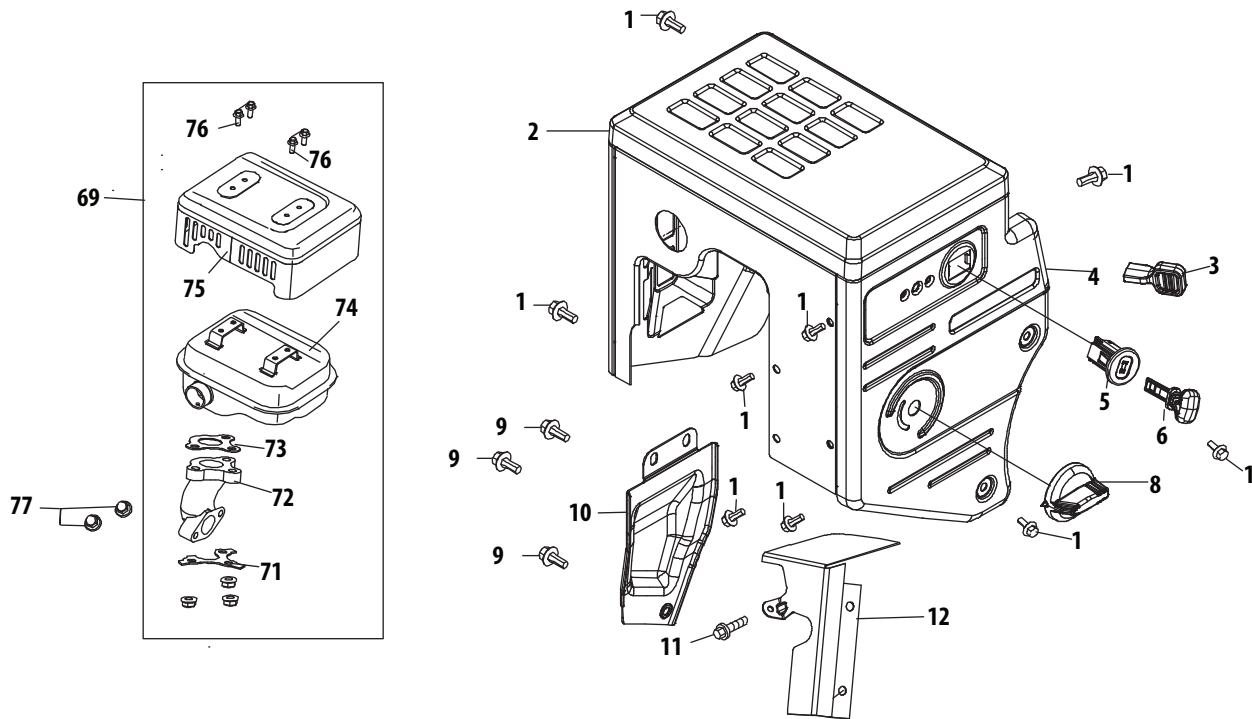
490-SUB Cylinder Head



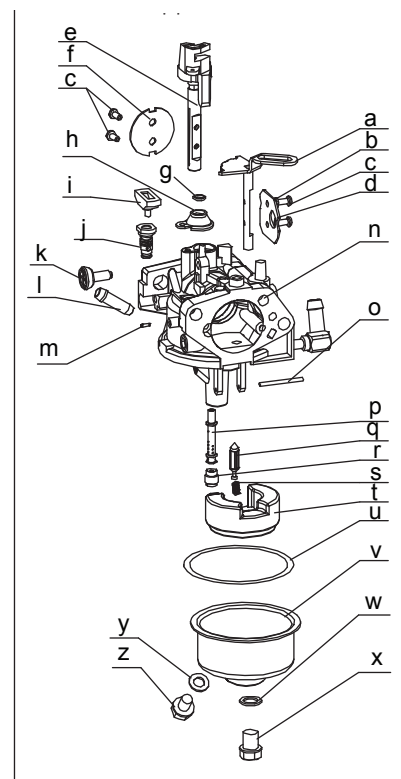
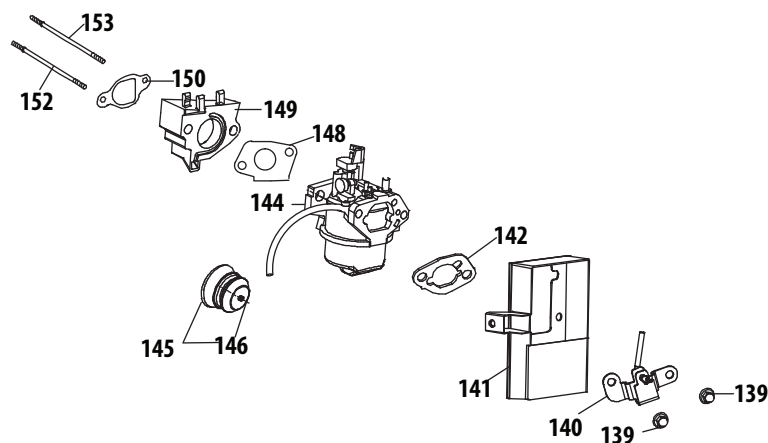
490-SUB Cylinder Head

Ref.	Part Number	Description	Ref.	Part Number	Description
100	951-11337	Valve Kit	116	951-12081	Exhaust Lash Cap
101	951-11337	Valve Kit	117	951-11965	Push Rod Guide
102	951-11962	Tappet	118	951-11981	Rocker Arm Assembly
103	951-11335	Push Rod Kit	119	710-04962	Bolt, Pivot
104	951-12592	Cylinder Head Kit (Inc.106,110-112,125)	120	951-11966	Rocker Arm
	951-11361A	Cylinder Head Assembly (Inc.100,101,104,106,108-112, 114-122,125,129-133)	121	751-11123	Adjusting Nut ,Valve
105	715-04097	Dowel Pin	122	751-11124	Pivot Locking Nut
106	951-12094	Cylinder Head Gasket	123	710-05054	Valve Cover Bolt
107	951-10292	Spark Plug/F6Rtc	124	951-11220	Valve Cover
108	951-11212	Muffler Gasket	125	951-11967	Valve Cover Gasket
109	710-04964	Exhaust Stud M8×48.5	126a	731-07059	Breather Hose
109	951-11207	Muffler Stud Assembly	126b	726-04101	Breather Hose Clamp
110	710-06064	Bolt M10×1.25×87	127	951-11317	Cylinder Baffle
111	710-06065	Bolt M10×1.25×65	128	710-04915	Bolt M6×12
112	951-11964	Intake Valve Seal	142	951-11333	Valve Cover Kit
113	951-12077	Intake Valve Spring Retainer	144	951-11362	Gasket Kit - Complete (Inc.52,59,65,79,81,106, 108,125,131-133)
114	951-12078	Valve Spring	145	951-11363	Gasket Kit - External (Inc.79,108,125,131-133)
115	951-12080	Exhaust Valve Spring Retainer	146	952Z490-SUB	Complete Engine

Engine Model 490-SUC Muffler & Controls



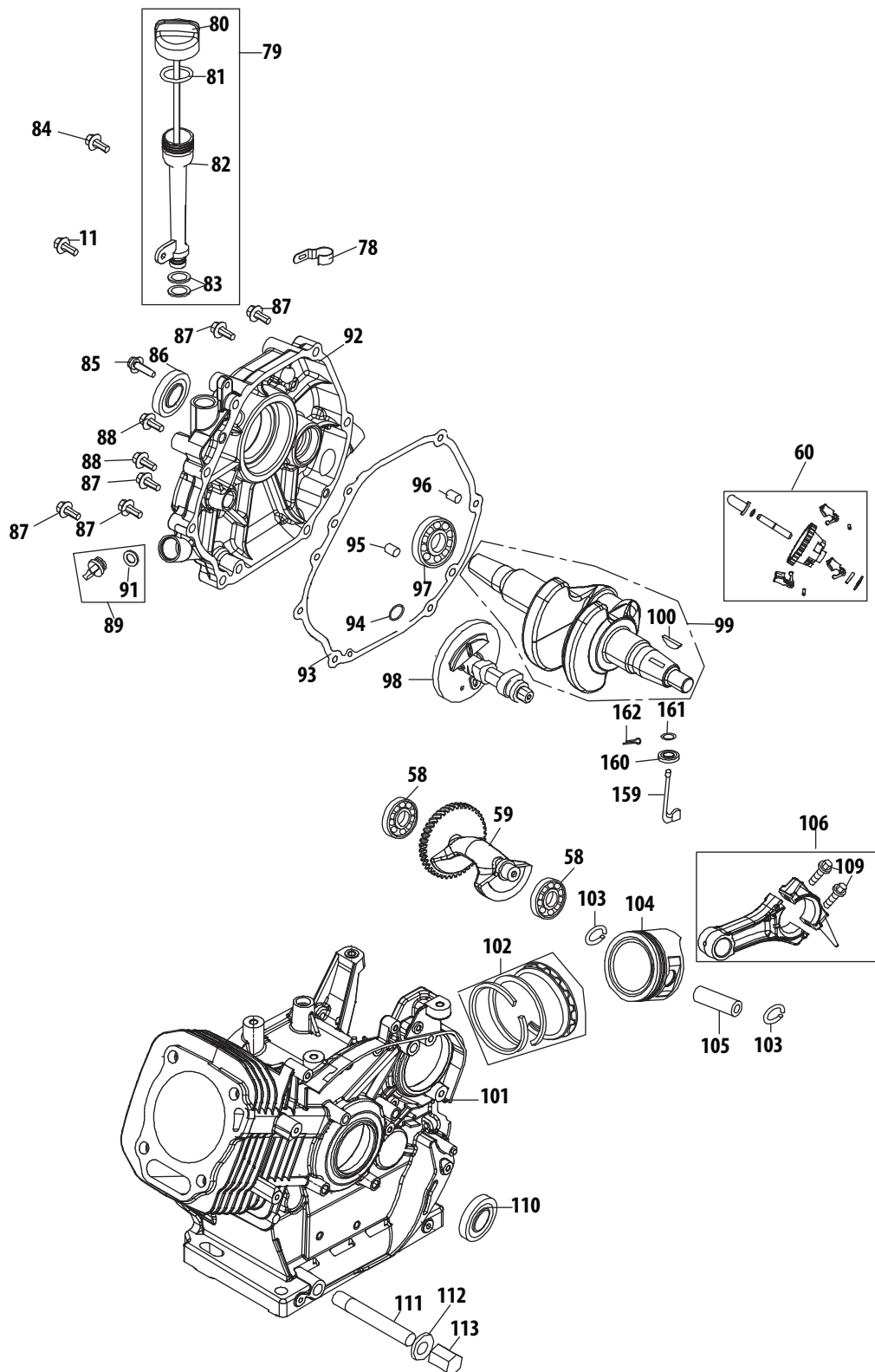
Ref.	Part Number	Description
1	710-04915	BOLT M6×12
2	951-11339	MUFFLER SHIELD
3	951-10757	THROTTLE CONTROL KNOB
4	951-11595	CONTROL PANEL
5	951-10637	ENGINE SWITCH BASE
6	951-10630	KEY
8	951-11302	CHOKE KNOB
9	710-04914	BOLT M6×10
10	951-11181	EXHAUST PIPE SHIELD
11	710-04968	BOLT M6×16
12	951-11321	CARB ISOLATOR BRACKET
69	951-11338	MUFFLER ASSEMBLY
71	908-05052	GASKET
72	919-05064	EXHAUST PIPE
73	921-04670	GASKET, MUFFLER
74	908-05020	MUFFLER BODY
75	908-05051	MUFFLER GUARD
76	710-05051	BOLT
77	712-05059	NUT M8



Ref.	Part Number	Description
139	712-05015	NUT M6
140	951-11192	CHOKE CONTROL
141	751-14981	HEATER BOX
142	751-14980	GASKET,AIR CLEANER
143	751-14983	PRIMER HOSE
144	951-05271	CARBURETOR ASSEMBLY
145	951-10639A	PRIMER ASSEMBLY
146	951-11824	PRIMER
148	951-11354	CARBURETOR GASKET
149	951-11353	CARBURETOR INSULATOR
150	951-11315	CARBURETOR INSULATOR GASKET
151	951-11317	AIR SHIELD
152	710-05056	STUD M6-8×118
153	710-05392	STUD M6-8×100
a	711-06030	CHOKE SHAFT
b	736-04638	LOCK WASHER
c	710-05469	SCREW M3×6
d	n/a	CHOKE PLATE
e	n/a	THROTTLE SHAFT
f	n/a	THROTTLE PLATE

Ref.	Part Number	Description
g	n/a	GASKET
h	n/a	THROTTLE SHAFT COVER
i	n/a	IDLE JET RIVET
j	n/a	IDLE JET ASSEMBLY
k	n/a	IDLE SPEED ADJUSTING SCREW
l	n/a	WASTE PIPE
m	n/a	PRIMER PIPE
n	n/a	CARBURETOR BODY
o	n/a	FLOAT PIN
p	n/a	EMULSION TUBE
q	n/a	NEEDLE VALVE
r	n/a	MAIN JET
s	n/a	NEEDLE VALVE SPRING
t	n/a	FLOAT
u	951-11970	FUEL BOWL GASKET
v	n/a	FUEL BOWL
w	951-11348	FUEL BOWL GASKET
x	710-04945	FUEL BOWL MOUNTING BOLT
y	951-11349	FUEL DRAIN PLUG GASKET
z	710-04938	FUEL DRAIN PLUG

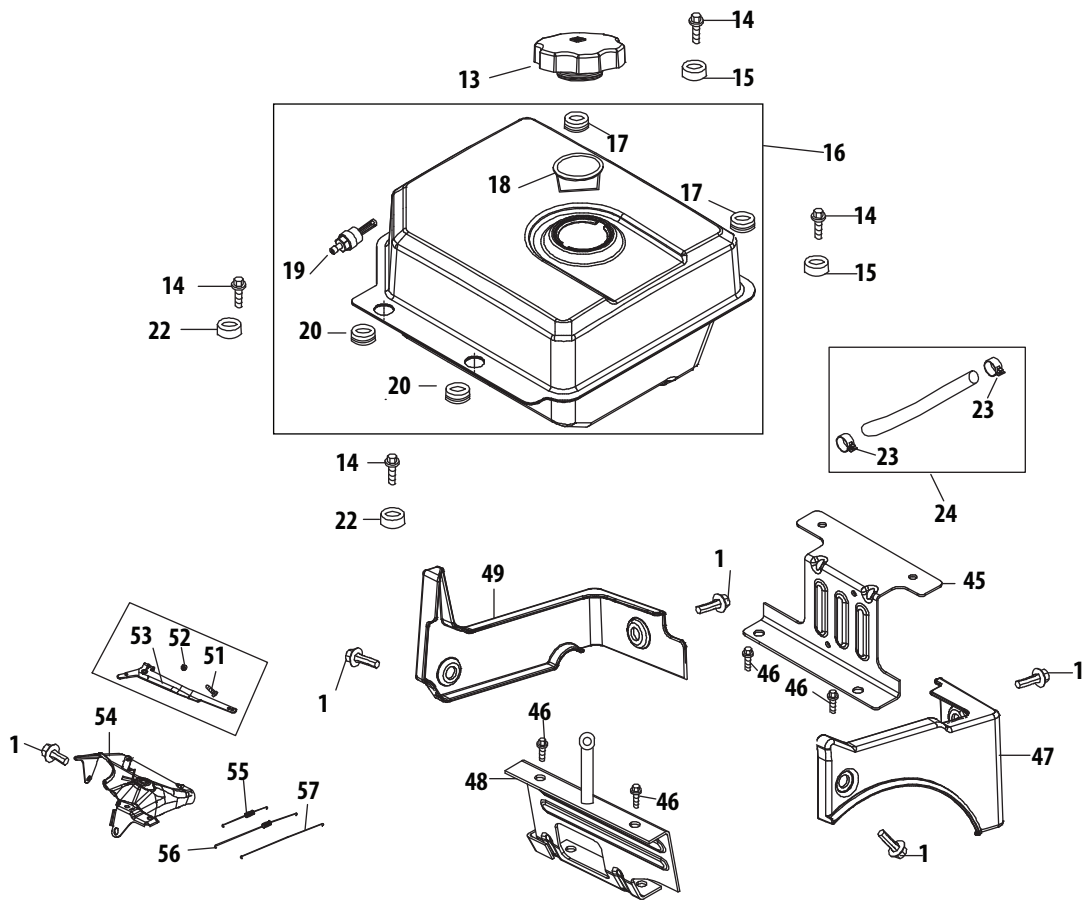
490-SUC Crankcase



Ref.	Part Number	Description
58	951-11373	RADIAL BALL BEARING 6202-P6
59	951-12095	BALANCEABLE SHAFT ASSY.
60	951-11956	GOVERNOR GEAR
78	951-11320	DIPSTICK CLAMP
79	631-05032A	DIPSTICK ASSEMBLY
80	731-09316	DIPSTICK
81	921-04663	DIPSTICK O-RING
82	731-09317	OIL FILL TUBE
83	951-11381	OIL FILL TUBE O-RING
84	710-05349	BOLT M6×8
85	710-06289	BOLT M8×45
86	951-11375	OIL SEAL 35×52×7
87	710-06061	BOLT M8×38
88	710-06063	BOLT M8×35
89	951-11345	OIL FILLER PLUG COMP
91	951-11960	O-RING 16×3
92	751-14220A	CRANKCASE COVER
93	951-11376	CRANKCASE COVER GASKET
94	736-04476	WASHER 16×24×0.5

Ref.	Part Number	Description
95	715-04102	DOWEL PIN 9×12
96	715-04092	DOWEL PIN 7×14
97	951-11969	BEARING 6207-P6
98	951-11959A	CAMSHAFT ASSEMBLY
99	751-14219	CRANKSHAFT ASSEMBLY
100	951-10307	WOODRUFF KEY
101	751-14222	CRANKCASE COMP.
102	951-12593	PISTON RING SET
103	951-11953	PISTON PIN SNAP RING
104	951-12092	PISTON
105	951-11954	PISTON PIN
106	951-11951	CONNECTING ROD ASSEMBLY
109	710-05319	CONNECTING ROD BOLT
110	951-11499	OIL SEAL 35×52×7
111	951-11350	OIL DRAIN PIPE
112	736-04440	WASHER 10×16×1.5
113	710-04906	OIL DRAIN PLUG
	952Z490-SUC	COMPLETE ENGINE

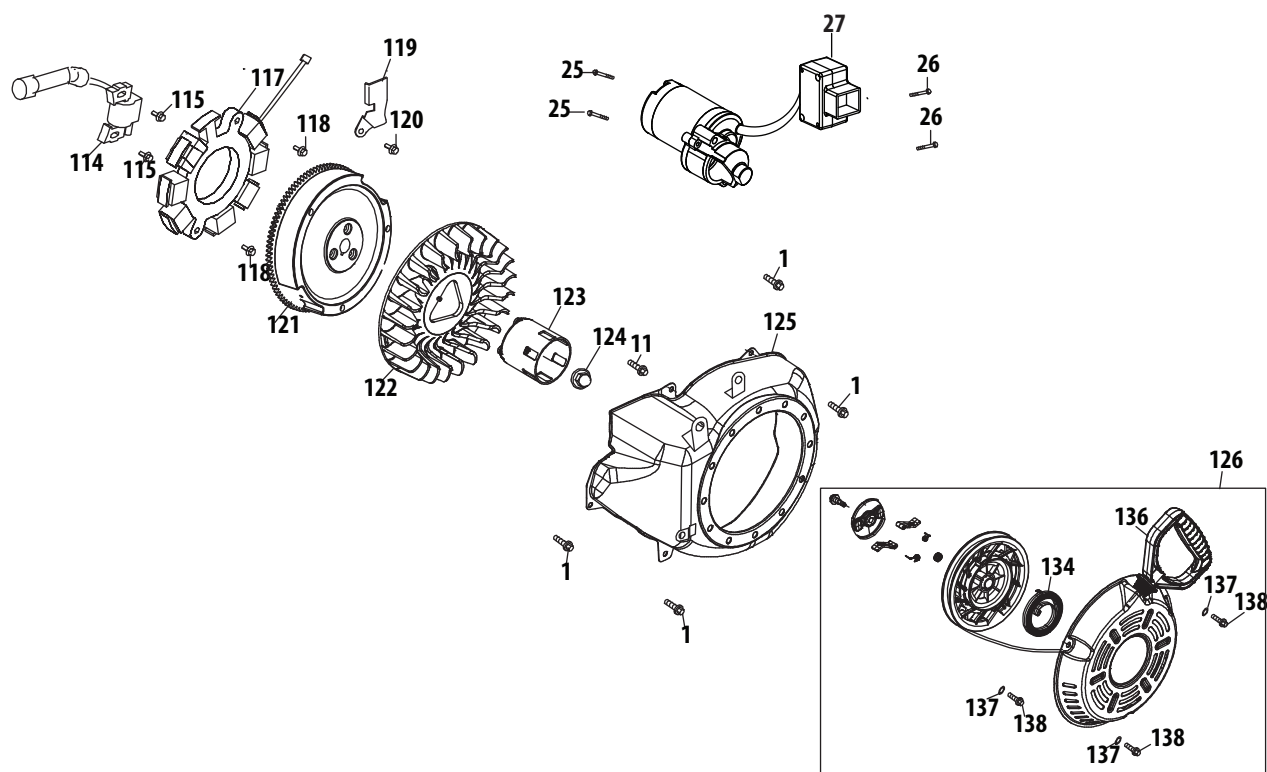
490-SUC Fuel Tank & Mounting



Ref.	Part Number	Description
1	710-04915	BOLT M6×12
13	951-12533	FUEL CAP ASSEMBLY
14	710-04970	BOLT M8×20
15	750-05312	BUSH GAS TANK
16	951-11201	FUEL TANK ASSEMBLY
17	736-04450	VIBRATION PAD
18	951-11933	FUEL LEVEL INDICATOR
19	951-10651	DRAIN PIPE
20	736-04451	VIBRATION PAD
22	750-05313	BUSH GAS TANK
23	951-11700	FUEL HOSE CLAMP
24	951-11336	FUEL HOSE

Ref.	Part Number	Description
45	951-11318	REAR MAINTING BRACKET ASSY.
46	710-04921	BOLT M8×14
47	951-11351	RIGHT TRIM PLATE
48	951-11182	GAS TANK SUPPORT BRACKET
49	951-11319	LEFT TRIM PLATE
51	710-04908	GOVERNOR ARM BOLT
52	712-05015	NUT M6
53	951-11307	GOVERNOR ARM
54	951-11311	THROTTLE BRACKET
55	951-11306	GOVERNOR SPRING
56	951-11203	THROTTLE LINKAGE SPRING
57	951-11309	THROTTLE LINKAGE

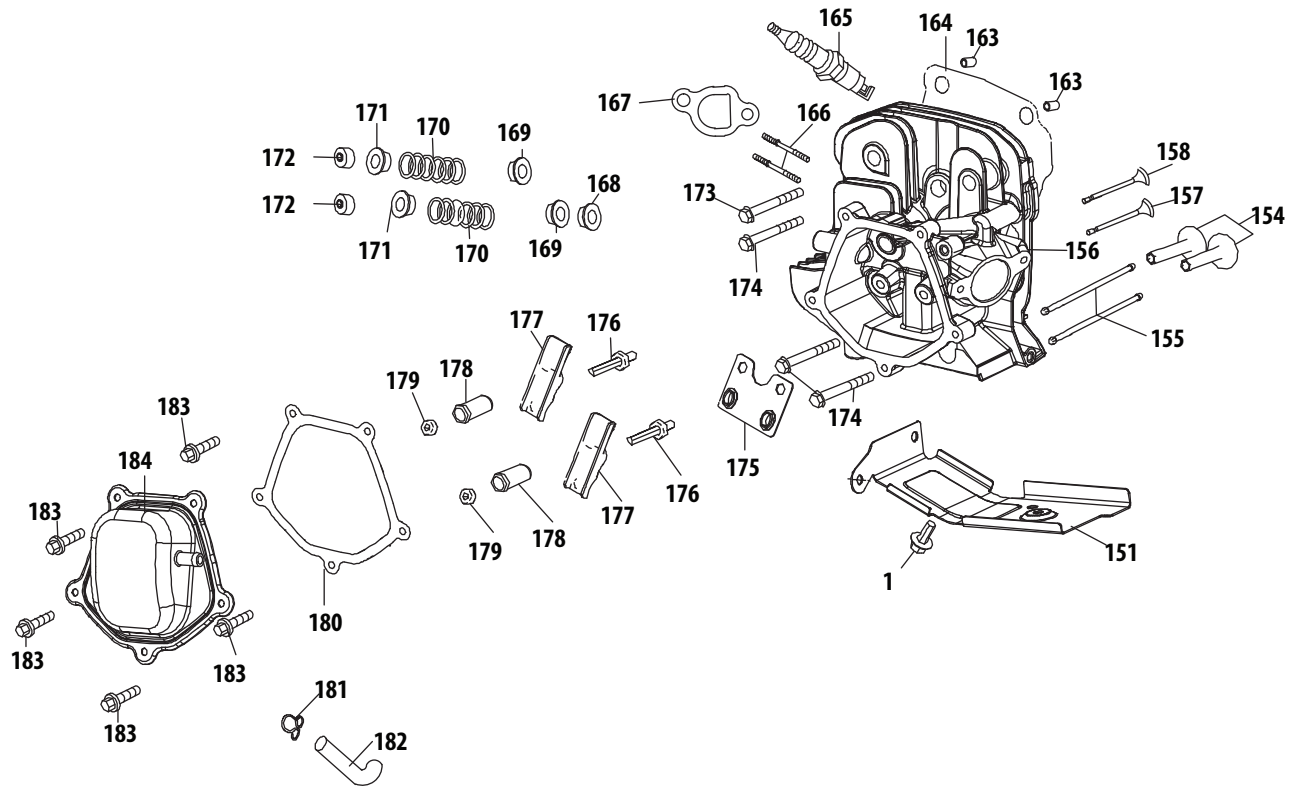
490-SUC Starter & Blower Housing



Ref.	Part Number	Description
1	710-04915	BOLT M6×12
11	710-04968	BOLT M6×16
25	710-04967	BOLT M8×55
26	710-04965	BOLT M4×55
27	951-11196	ELECTRIC STARTER
114	951-11305A	IGNITION COIL ASSEMBLY
115	710-05350	IGNITION COIL BOLT
117	951-12555	ALTERNATOR ASSEMBLY
118	710-04969	BOLT M6×30
119	951-11186	WIRE PLATE
120	710-04966	BOLT M6×8

Ref.	Part Number	Description
121	951-12556	FLYWHEEL
122	951-11313	COOLING FAN
123	951-11314	STARTER CUP
124	712-04220	NUT M16×1.5
125	951-11211	BLOWER HOUSING
126	951-14223	RECOIL STARTER
134	932-05127	RECOIL SPRING
135	908-05021	BLOWER HOUSING
136	731-05696	STARTER HANDLE
137	736-04455	GASKET 6
138	710-04974	BOLT M6×10

490-SUC Cylinder Head



490-SUC Cylinder Head

Ref.	Part Number	Description
1	710-04915	BOLT M6×12
154	951-11962	TAPPET
155	751-14226	PUSH ROD
156	751-14207	CYLINDER HEAD
157	751-14225	INTAKE VALVE
158	751-14224	EXHAUST VALVE
159	951-11365	GOVERNOR ARM SHAFT
160	951-11958	GOVERNOR SEAL
161	736-04453	WASHER 8×20×0.8
162	714-04077	COTTER PIN
163	715-04097	DOWEL PIN 12×20
164	951-12094	GASKET CYLINDER HEAD
165	951-10292	SPARK PLUG/F6RTC
166	710-04964	STUD M8×48.5
167	951-11212	EXHAUST PIPE GASKET
168	951-11964	VALVE SEAL (INTAKE)
169	951-12077	VALVE SPRING RETAINER(INTAKE)

Ref.	Part Number	Description
170	951-12078	VALVE SPRING
171	951-12080	VALVE SPRING RETAINER (EXHAUST)
172	951-12081	EXHAUST LASH CAP
173	710-06065	BOLT M10×1.25×65
174	710-06064	BOLT M10×1.25×87
175	951-11965A	PUSH ROD GUIDE
176	710-04962	BOLT PIVOT
177	951-11966	ROCKER ARM
178	751-11123	ADJUSTING NUT ,VALVE
179	751-11124	NUT PIVOT LOCKING
180	951-11967	VALVE COVER GASKET
181	726-04101	BREATHER HOSE CLAMP
182	751-14982	BREATHER HOSE
183	710-05054	VALVE COVER BOLT
184	951-11220	VALVE COVER
	952Z490-SUC	COMPLETE ENGINE



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