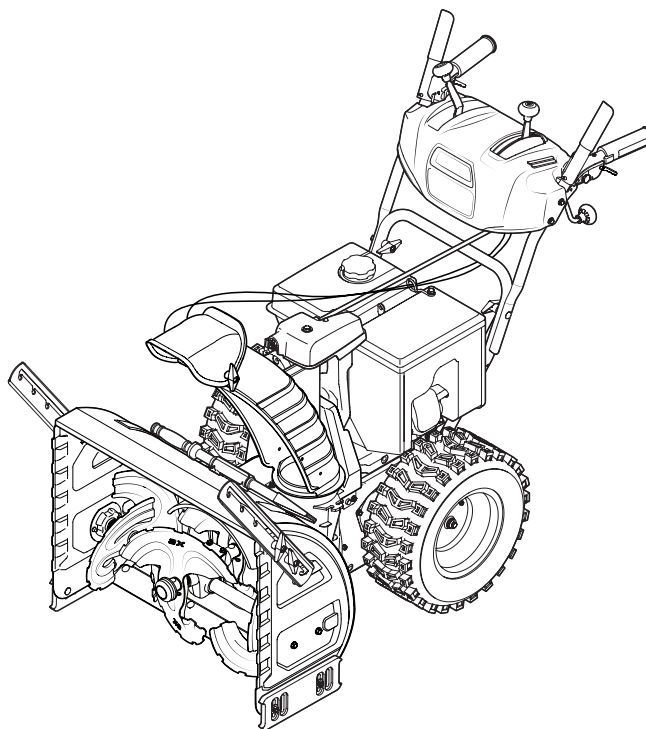

Cub Cadet.

ILLUSTRATED PARTS MANUAL



**500 Series Snow Thrower — 3X24"/26"/28" &
3X24"/26"/28"/30" HD**

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

--	--	--	--	--	--	--	--	--	--	--

SERIAL NUMBER

--	--	--	--	--	--	--	--	--	--	--

Painted Parts

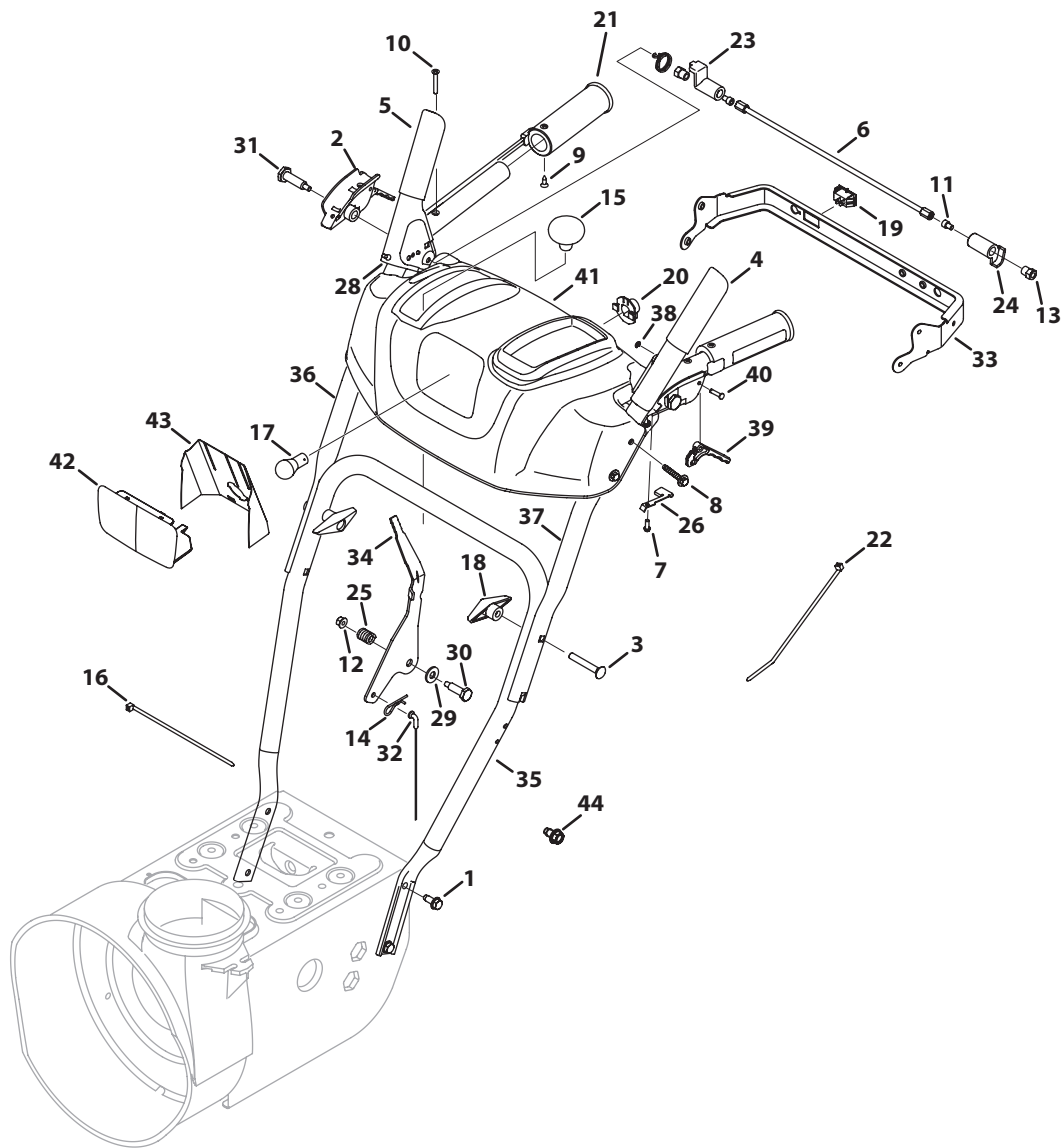
When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXX-0637). Please refer to the table below for current color codes:

0637	Black
4021	Yellow (Cub Cadet)
0499	Beige (Cub Cadet)

0685	Blue (Cub Cadet)
0691	Black Jack (Cub Cadet Commercial)

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T-Style Handle & Frame



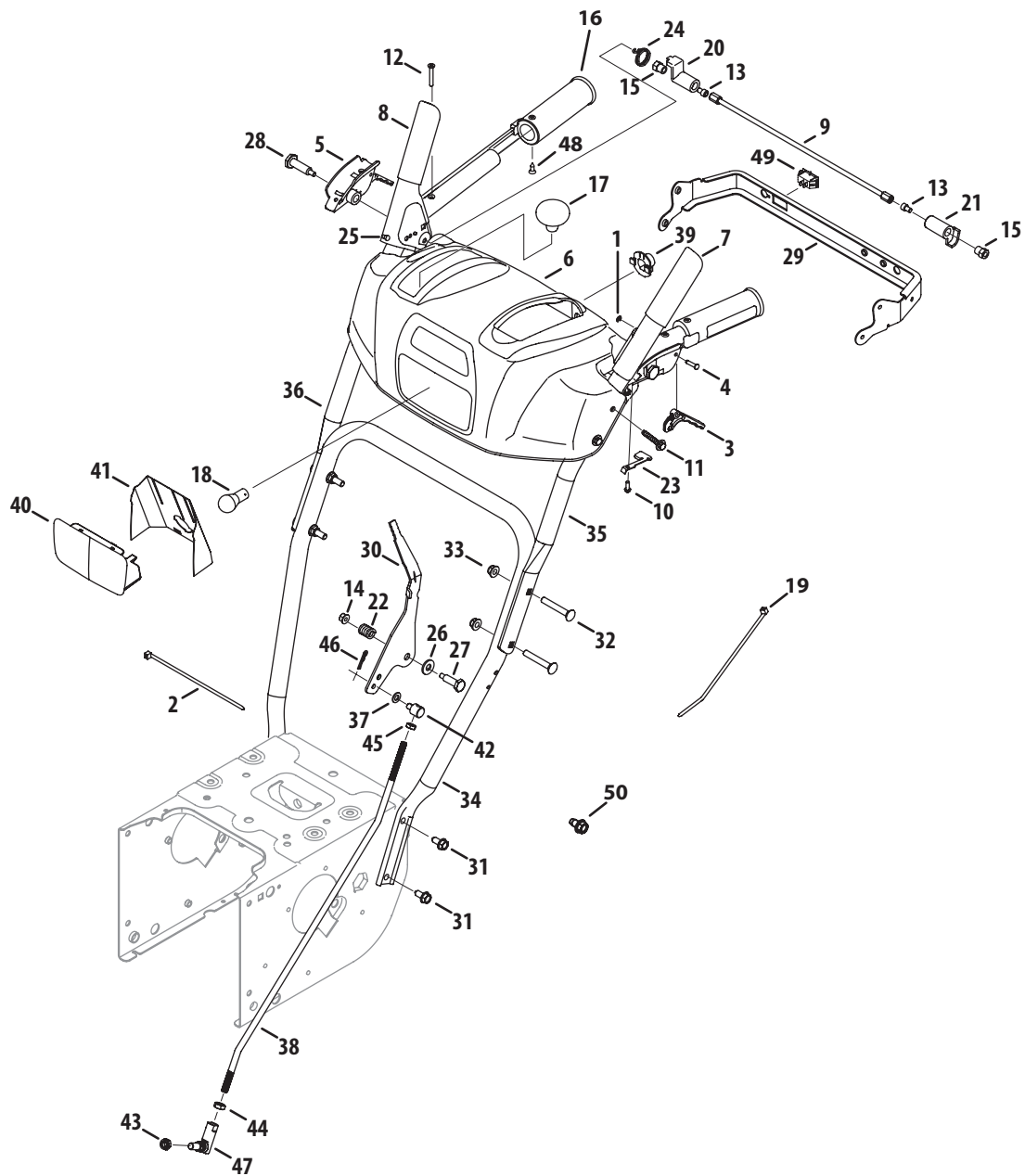
T-Style Handle & Frame

Ref.	Part Number	Description
1	710-04484	Screw, Taptite, 5/16-18 x .750
2	631-04134B	Clutch Lock, RH
—	631-04133A	Clutch Lock, LH
3	710-0572	Screw, Carriage, 5/16-18 x 2.50
4	684-04105B	Auger Engage, Black, LH
5	684-04106C	Drive Engage, Black, RH
6	684-04250	Pivot Rod
7	710-04326	Screw, Plastite, 8-16 x .50
8	710-04586	Screw, Taptite, 1/4-20 x 1.625
9	710-0837	Screw, 10-16 x 0.625
10	710-1233	Screw, 10-24 x 1.375
11	710-3069	Screw, 1/4-20 x .50
12	712-04064	Nut, Flangelock, 1/4-20
13	712-04081A	Nut, Hex, 1/4-20
14	914-0145	Click Pin, .092 x 1.64
15	720-04039	Shift Knob
16	725-0157	Cable Tie, 7"
17	925-1629	Lamp
18	920-0284	Wing Knob, 5/16-18
19	725-04393	Heated Grip Switch
20	925-1649	Lamp Socket
21	925-06107	Heated Grip
22	926-0154	Cable Tie, Push Mount
23	731-04894D	Plate, Lock

Ref.	Part Number	Description
24	731-04896B	Cam, Clutch Lock
25	732-0193	Compression Spring, .39 x .60 x .88
26	732-04219C	Clutch Lock Spring
27	732-04238B	Torsion Spring, 0.8156 x .3038
28	935-0199A	Rubber Bumper
29	936-0267	Washer, Flat, .385 x .87
30	738-04125	Screw, Shield, .374 x 1.05
31	738-04348	Screw, Shoulder, .437 x 1.345 x 1/4-20
32	946-04396A	Speed Selector Cable
33	790-00248C	Panel Bracket
34	790-00311C	Shift Lever
35	749-04138B	Lower Handle
36	749-04190A	Upper RH Handle
37	749-04191A	Upper LH Handle
38	716-04036	E-Ring
39	731-04954	Clutch Trigger
40	738-04126	Steering Trigger Pin, 3/16
41	931-04187A	Handle Panel, includes Ref. 42 & 43
42	731-05324	Lens
43	777X41804	Lens Label
44	710-0599	Screw, TT, 1/4-20 x .500 (For ground wire)
—	725-05148†	Heated Grips Harness

† Not Shown

S-Style Handle & Frame



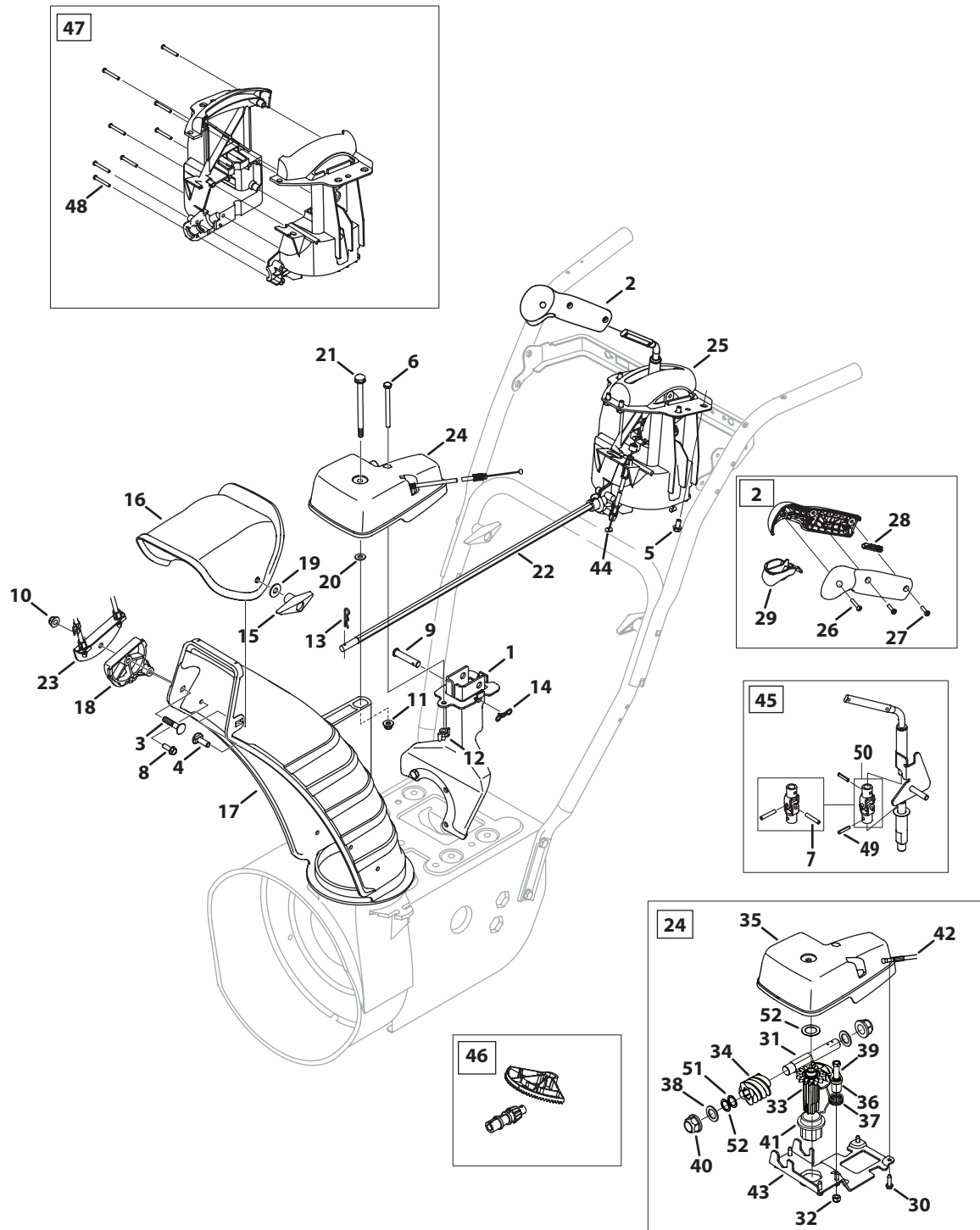
S-Style Handle & Frame

Ref.	Part Number	Description
1	716-04036	E-Ring
2	725-0157	Cable Tie
3	731-04954	Clutch Trigger
4	738-04126	Pin, 3/16
5	631-04133A	Handle Clutch Lock LH Assy
—	631-04134B	Handle Clutch Lock RH Assy
6	931-04187A	Handle Panel, includes Ref. 40 & 41
7	684-04105B	Handle Engagement Assembly LH
8	684-04106C	Handle Engagement Assembly RH
9	684-04250	Pivot Rod
10	710-04326	Screw, 8-16 x 0.50
11	710-04586	Screw, 1/4-20 x 1.625
12	710-1233	Screw, 10-24 x 1.375
13	710-3069	Socket Screw, 1/4-20 x .50
14	712-04064	Flange Lock Nut, 1/4-20
15	712-04081A	Shoulder Nut, 1/4-20
16	925-06107	Heated Grip
17	720-04039	Shift Knob
18	925-1629	Lamp
19	926-0154	Cable Tie
20	731-04894D	Lock Plate
21	731-04896B	Clutch Lock Cam
22	732-0193	Compression Spring
23	732-04219C	Clutch Lock Spring
24	732-04238B	Torsion Spring
25	935-0199A	Rubber Bumper
26	936-0267	Flat Washer, .385 x .87 x .06

Ref.	Part Number	Description
27	738-04125	Shoulder Screw, .374 x 1.05
28	738-04348	Shoulder Screw, 1/4-20 x 1.345
29	790-00248C	Panel Bracket
30	790-00311C	Shift Lever
31	710-04484	Hex Screw, 5/16-18 x .750
32	710-04532	Carriage Screw, 5/16-18 x 2.00
33	712-04063	Nut, Flangelock, 5/16-18
34	749-04138B	Lower Handle
35	749-04309	Upper Handle LH
36	749-04310	Upper Handle RH
37	736-3081	Flat Washer, .320 x .600 x .060
38	747-06190A	Shift Rod, .343 OD
39	925-1649	Light Socket
40	731-05324	Lens
41	777X41804	Lens Label
42	911-0677	Ferrule, 5/16-18 x .312 Dia
43	912-0116	Jam Lock Nut, 3/8-24
44	712-0711	Jam Nut, 3/8-24
45	712-3007	Nut, Jam 5/16-18
46	714-04040	Bow-Tie Cotter Pin
47	923-3018	Ball Joint
48	710-0837	AB Screw, #10-16 x .625
49	725-04393	Heated Grip Switch
50	710-0599	Screw, TT, 1/4-20 x .500 (For ground wire)
—	725-05148†	Heated Grips Harness

† Not Shown

Chute Control (STD)

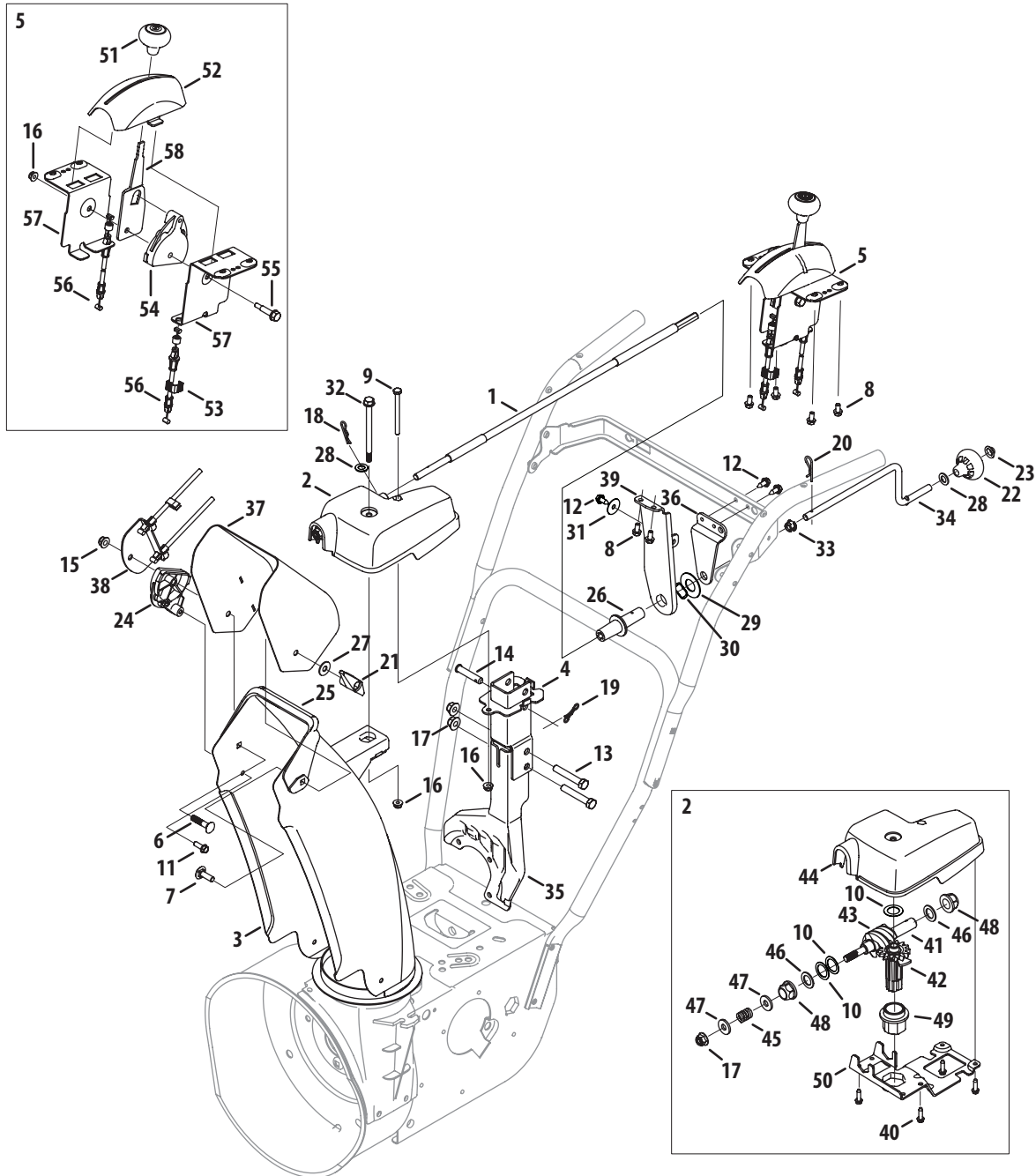


Ref.	Part Number	Description
1	684-04310A	Chute Support Bracket
2	753-06151	Handle Assembly
3	710-0262	Bolt, Carriage, 5/16-18 x 1.50
4	710-04071	Bolt, Carrier, 5/16-18 x 1.00
5	710-04187	Screw, HL, 1/4-15 x 0.50
6	710-04370	Hex Head Screw, 1/4-20 x 3.00
7	715-0150	Pin, Roll
8	710-0895	Screw, HL, 1/4-15 x 0.750
9	711-04469A	Clevis Pin, 3/8 x 1.87
10	712-04063	Nut, Flangelock, 5/16-18
11	712-04064	Nut, Flangelock, 1/4-20
12	712-3087	Wing Nut, 1/4-20
13	914-0101	Internal Cotter Pin
14	714-04040	Bow-Tie Cotter Pin
15	920-0284	Wing Knob, 5/16-18
16	731-04427A	Chute, Upper
17	731-06440A	Chute, Lower
18	731-06451	Cable Guide, Chute Tilt
19	936-0159	Washer, Flat, .349 x .879
20	736-04446	Washer, Flat, .25 x .630
21	738-04367	Screw, Shoulder, .312 x 3.5 x 1/4-20
22	747-05116	Chute Rod, 3/8 Hex
23	784-5594	Cable Bracket
24	918-04801B	Gearbox Assembly, Chute Rotation
25	984-04338A	Chute Control, 4-Way
26	710-04353	Screw, #8 x 1.00
27	710-04879	Screw, 8-32 x .750

Ref.	Part Number	Description
28	731-04893A	Joystick Plug
29	731-07031	Joystick Trigger
30	710-04373A	Screw, 12-16 x .75
31	711-05186	Hex Shaft
32	712-0896	Hexlock Nut, 1/4-28
33	717-04667	Gear, 14 T
34	717-04672	Worm
35	731-06906	Gear Cover
36	731-06943A	Pawl Lock
37	732-04638C	Torsion Spring, .721 ID x .474
38	736-0290	Washer, Flat, .625 x 1.0 x .067
39	738-04391	Screw, Shoulder, .340 x .950 x 1/4-28
40	941-0225	Hex Bearing
41	741-04388A	Flange Bearing
42	946-04619B	Cable Lock
43	790-00342C	Gear Bracket
44	946-04528B	4-Way Cable
	731-07868†	Cable Clip
45	984-04324A	Shift Assembly
46	753-06152	Gear Set Assembly
47	753-06153	Handle Housing Assembly
48	710-1256	Screw, #8-18 x 1.250
49	715-04095	Pin, Roll
50	684-04350	Block, Asm Joint
51	736-04337	Shim Washer, .632 x 1.00 x .010
52	936-0349	Shim Washer, .63 x 1.00 x .020

† Not Shown

Chute Control (Steel)

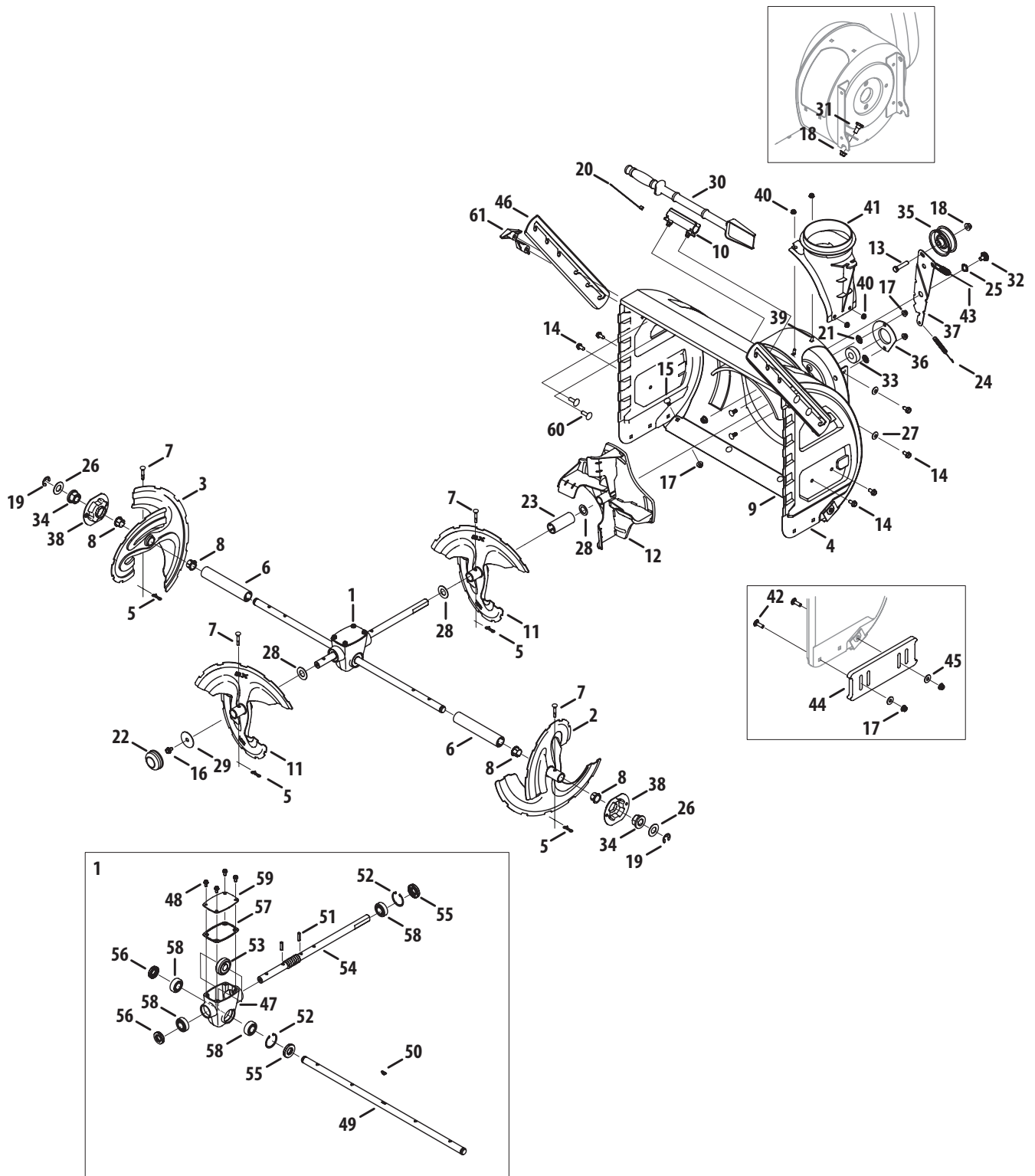


Chute Control (Steel)

Ref.	Part Number	Description
1	911-05044	Control Assembly
2	918-04933B	Chute Rotation Gearbox
3	684-05023	Chute, Lower
4	684-05035	Support Bracket Extension
5	984-05044	Chute Control, 2-Way
6	710-0262	Bolt, Carriage, 5/16-18 x 1.50
7	710-0276	Bolt, Carriage, 5/16-18 x 1.00
8	710-04187	Screw, HL, 1/4-15 x 0.50
9	710-04370	Hex Head Screw, 1/4-20 x 3.00
10	736-04337	Shim Washer, .632 x 1.00 x .010
11	710-0895	Screw, HL, 1/4-15 x 0.750
12	710-1652	Hex Washer Screw, 1/4-20 x .625
13	710-3011	Hex Cap Screw, 3/8-16 x 2.25
14	711-04469A	Clevis Pin, 3/8 x 1.87
15	712-04063	Nut, Flangelock, 5/16-18
16	712-04064	Nut, Flangelock, 1/4-20
17	712-04065	Flange Lock Nut, 3/8-16
18	914-0101	Internal Cotter Pin
19	714-04040	Bow-Tie Cotter Pin
20	714-3020	Internal Cotter Pin
21	920-0284	Wing Knob, 5/16-18
22	720-04102	Knob
23	926-0100	Push Cap, 3/8
24	731-09535	Chute Cable Guide
25	731-09539A	Chute Adapter
26	731-09643	Chute Control Rod Coupling
27	936-0159	Washer, Flat, .349 x .879
28	936-0185	Flat Washer, .375 x .738 x .063
29	936-0316	Flat Washer, .78 x 1.59 x .06

Ref.	Part Number	Description
30	736-0621	Washer, Wave, .785 x 1.0 x .012
31	736-3092	Flat Washer, .265 x 1.00 x .030
32	738-04367	Screw, Shoulder, .312 x 3.5 x 1/4-20
33	941-0475	Plastic Bushing, .38
34	747-06196	Chute Crank
35	790-00330A	Chute Support Bracket
36	790-00341	Support Rod Bracket
37	790-00529	Chute, Upper
38	790-00565	Cable bracket
39	790-00576	Chute Control Support Bracket
40	710-04373A	Screw, 12-16 x .75
41	711-05329A	Worm Shaft
42	717-04667	Gear Assembly
43	717-04672	Worm
44	731-07529A	Gear Cover
45	732-04756	Compression Spring, .39 x .60 x .88
46	736-0290	Flat Washer, .625 x 1.0 x .067
47	736-3072	Flat Washer, .380 x .93 x .110
48	941-0225	Hex Bearing
49	741-04388A	Flange Bearing
50	790-00342C	Gear Bracket
51	720-04039	Shift Knob
52	731-05307	Cover, Tilt Cover
53	731-07868	Cable Clip
54	731-1313C	Chute Tilt Cable Guide
55	738-04185	Screw, Shoulder, .31 x .995:1/4-20
56	946-05091	Cable, Chute Tilt
57	790-00200A	Bracket, Mounting
58	790-00210A	Control Lever

Auger & Auger Housing (24"/26"/28" STD)



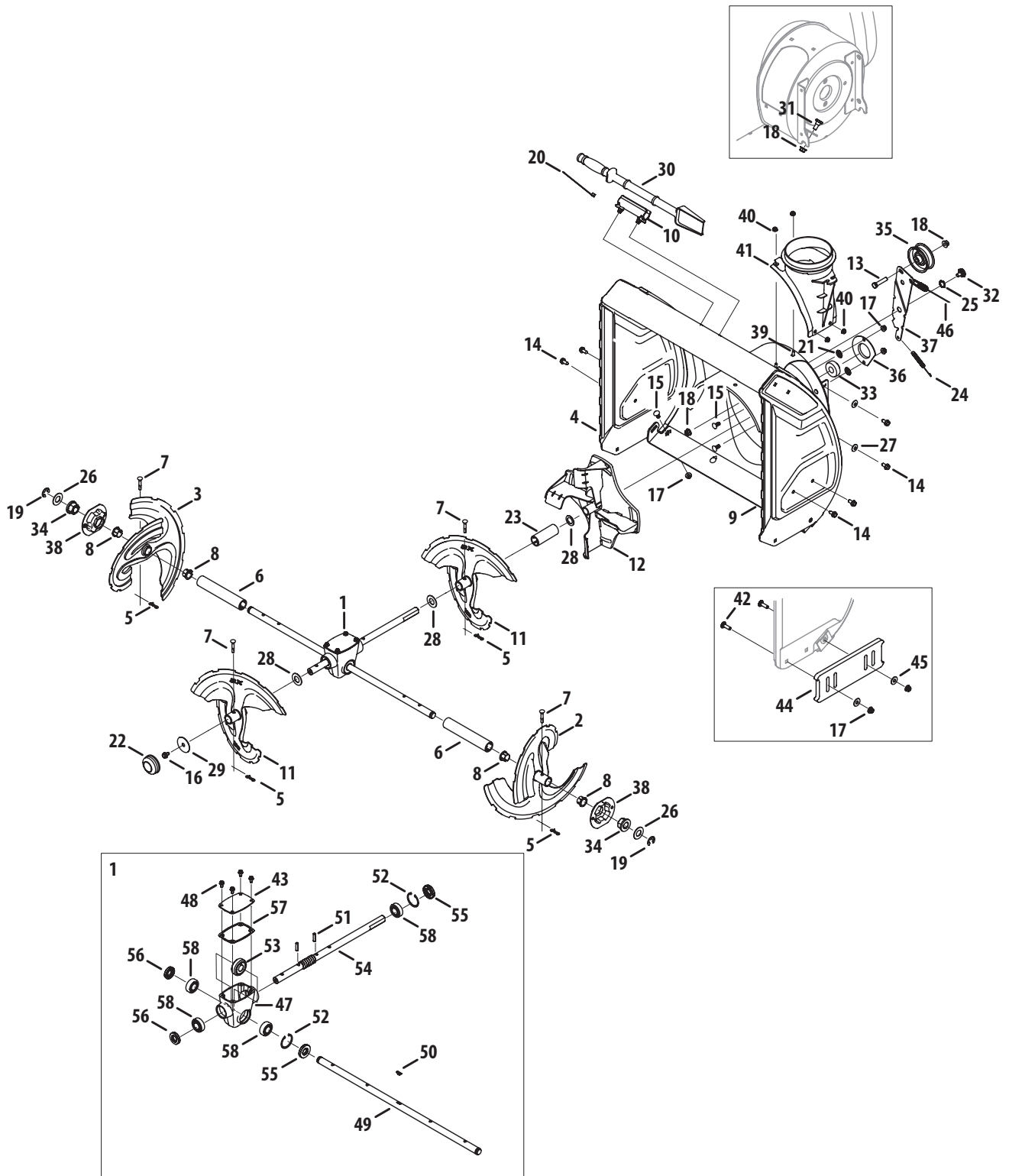
Auger & Auger Housing (24"/26"/28" STD)

Ref.	Part Number	Description
1	918-07027	Gearbox Assembly, Auger, 24"
—	918-06039	Gearbox Assembly, Auger, 26"
—	918-06060	Gearbox Assembly, Auger, 28"
2	684-05065	Spiral Assembly - LH, 24"
—	684-04107	Spiral Assembly - LH, 26" & 28"
3	684-05064	Spiral Assembly - RH, 24"
—	684-04108	Spiral Assembly - RH, 26" & 28"
4	684-05063	Auger Housing, 24"
—	684-05036	Auger Housing, 26"
—	684-05042	Auger Housing, 28"
5	714-04040	Bow Tie Cotter Pin
6	731-10282	Spacer, 1.25 OD x .75 ID x 5.8 (24")
—	731-09486	Spacer, 1.25 OD x .75 ID x 6.83 (26")
—	731-09558	Spacer, 1.25 OD x .75 ID x 7.805 (28")
7	738-04124A	Shear Pin
8	741-0493A	Flange Bushing, .800 x .910
9	790-00120	Shave Plate, 24"
—	790-00121	Shave Plate, 26"
—	790-00118	Shave Plate, 28"
10	731-2635	Clean-out Tool Mtg. Bracket
11	684-05015A	Accelerator Assembly
12	684-05030	Impeller Assembly
13	710-0347	Hex Bolt, 3/8-16 x 1.75
14	710-04484	Screw, 5/16-18 x .750
15	710-0451	Carriage Bolt, 5/16-18 x .750
16	710-0607	Hex Washer Screw, 5/16-18 x .500
17	712-04063	Flange Lock Nut, 5/16-18
18	712-04065	Flange Lock Nut, 3/8-16
19	916-0231	E-ring, .75
20	725-0157	Cable Tie
21	926-04012	Push-On Nut, .25 Dia.
22	731-08637A	Hubcap
23	750-06274	Spacer, 1.35 OD x .76 ID x 2.755
24	732-04460	Extension Spring, .38 OD x 4.59
25	736-0174	Wave Washer, .625 x .885 x .0175
26	736-0188	Flat Washer, .76 x 1.49 x .06
27	736-0242	Bell Washer, .340 x .872 x .060

Ref.	Part Number	Description
28	936-0287	Flat Washer, .793 x 1.24 x .06
29	736-3040	Flat Washer, .406 x 1.92 x .060
30	931-2643	Clean-Out Tool
31	738-0143	Shoulder Screw, 3/8-16 x .496 x .336
32	938-0281	Shoulder Screw, 3/8-16 x .625 x .17
33	941-0309	Flange Ball Bearing, .75 x 1.85
34	741-05041	Hex Flange Bearing, .75 ID
35	756-04224	Flat Idler Pulley
36	790-00075	Bearing Housing
37	790-00080A	Auger Idler Bracket
38	790-00534	Bearing Housing
39	710-0703	Carriage Screw, 1/4-20 x 0.75
40	712-04064	Flange Lock Nut, 1/4-20
41	731-07525	Chute Adapter
42	710-0276	Spacer, Carriage, 5/16-18 x 1.00
43	946-04230A	Auger Clutch Cable
44	731-06931	Deluxe Slide Shoe
45	936-0159	Washer, Flat, .349 x .879 x .063
46	790-00510†	Drift Cutter
47	919-05029	Auger Housing
48	710-0642	Screw, 1/4-20 x 0.75
49	711-06266	Axle, Auger, 24"
—	711-06144	Axle, Auger, 26"
—	711-06145	Axle, Auger, 28"
50	914-0161	Hi-Pro Key
51	715-04034	Pin, Roll, .25 x 1.0
52	716-05001	Retainer Ring
53	917-04861	Worm Gear, 20T
54	917-05112	Worm Shaft
55	721-04612	Seal, .75 x 40mm x .25
56	721-04613	Seal, .75 x 1.375 x .25
57	921-04614	Gearbox Gasket
58	941-05042	Ball Bearing, .75 x 40 x 12
59	783-08281	Gearbox Cover
60	710-3105†	Carriage Bolt, 5/16-18 x .875
61	920-0284†	Wing Knob, 5/16-18

† If Equipped

Auger & Auger Housing (24"/26"/28" HD)

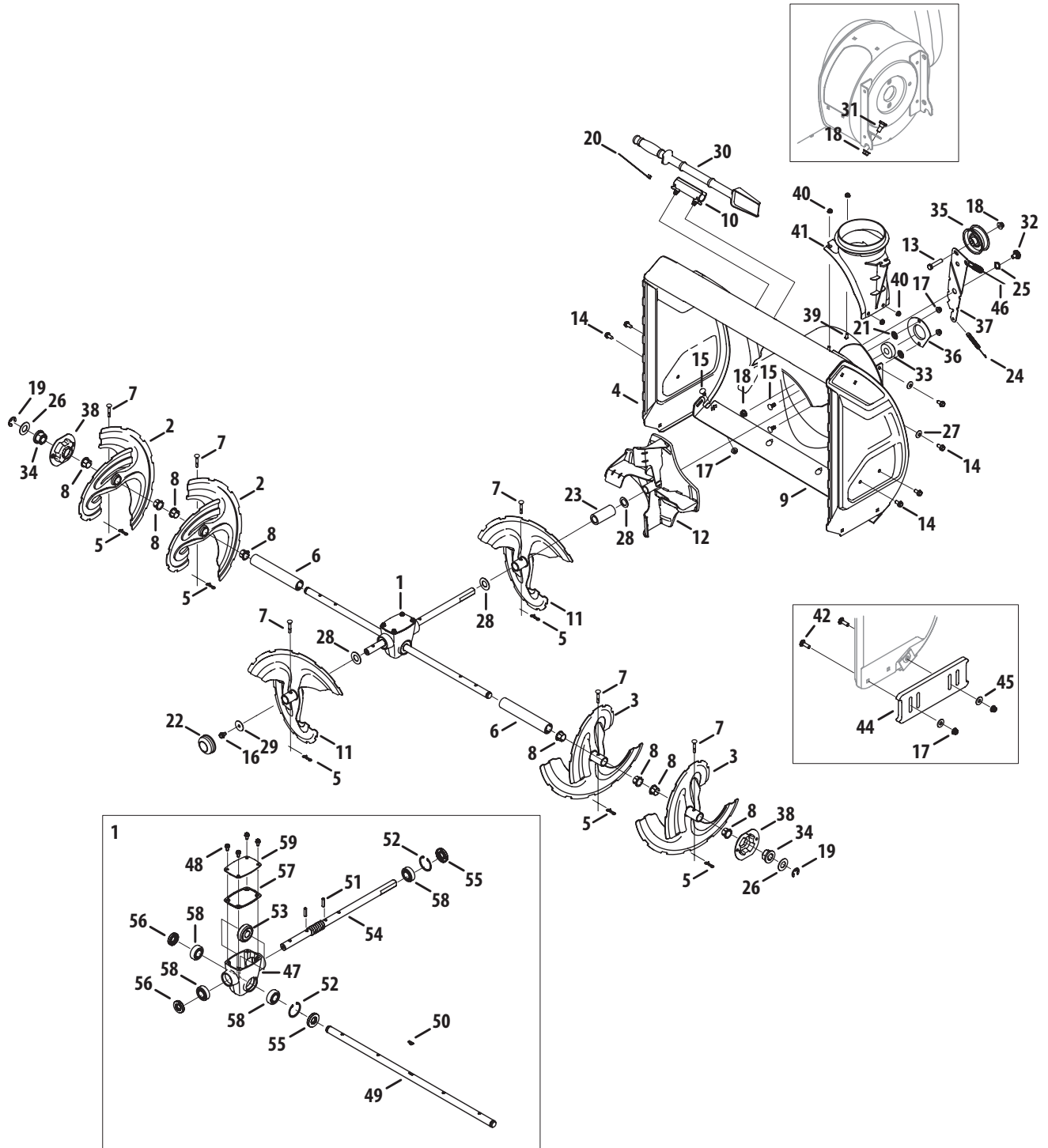


Auger & Auger Housing (24"/26"/28" HD)

Ref.	Part Number	Description
1	918-07027	Gearbox Assembly, Auger, 24"
—	918-06039	Gearbox Assembly, Auger, 26"
—	918-06060	Gearbox Assembly, Auger, 28"
2	684-05065	Spiral Assembly - LH, 24"
—	684-04107	Spiral Assembly - LH, 26" & 28"
3	684-05064	Spiral Assembly - RH, 24"
—	684-04108	Spiral Assembly - RH, 26" & 28"
4	684-05093	Auger Housing, 24"
—	684-05037A	Auger Housing, 26"
—	684-05038A	Auger Housing, 28"
5	714-04040	Bow Tie Cotter Pin
6	731-10282	Spacer, 1.25 OD x .75 ID x 5.8 (24")
—	731-09486	Spacer, 1.25 OD x .75 ID x 6.83 (26")
—	731-09558	Spacer, 1.25 OD x .75 ID x 7.805 (28")
7	738-04124A	Shear Pin
8	741-0493A	Flange Bushing, .800 x .910
9	790-00652	Shave Plate, 24"
—	790-00525	Shave Plate, 26"
—	790-00549	Shave Plate, 28"
10	731-2635	Clean-out Tool Mtg. Bracket
11	684-05015A	Accelerator Assembly
12	684-05030	Impeller Assembly
13	710-0347	Hex Bolt, 3/8-16 x 1.75
14	710-04484	Screw, 5/16-18 x .750
15	710-0451	Carriage Bolt, 5/16-18 x .750
16	710-0607	Hex Washer Screw, 5/16-18 x .500
17	712-04063	Flange Lock Nut, 5/16-18
18	712-04065	Flange Lock Nut, 3/8-16
19	916-0231	E-ring, .75
20	725-0157	Cable Tie
21	926-04012	Push-On Nut, .25 Dia.
22	731-08637A	Hubcap
23	750-06274	Spacer, 1.35 OD x .76 ID x 2.755
24	732-04460	Extension Spring, .38 OD x 4.59
25	736-0174	Wave Washer, .625 x .885 x .0175

Ref.	Part Number	Description
26	736-0188	Flat Washer, .76 x 1.49 x .06
27	736-0242	Bell Washer, .340 x .872 x .060
28	936-0287	Flat Washer, .793 x 1.24 x .06
29	736-3040	Flat Washer, .406 x 1.92 x .060
30	931-2643	Clean-Out Tool
31	738-0143	Shoulder Screw, 3/8-16 x .496 x .336
32	938-0281	Shoulder Screw, 3/8-16 x .625 x .17
33	941-0309	Flange Ball Bearing, .75 x 1.85
34	741-05041	Hex Flange Bearing, .75 ID
35	756-04224	Flat Idler Pulley
36	790-00075	Bearing Housing
37	790-00080A	Auger Idler Bracket
38	790-00534	Bearing Housing
39	710-0703	Carriage Screw, 1/4-20 x 0.75
40	712-04064	Flange Lock Nut, 1/4-20
41	731-07525	Chute Adapter
42	710-0276	Spacer, Carriage, 5/16-18 x 1.00
43	783-08281	Gearbox Cover
44	731-06931	Deluxe Slide Shoe
45	936-0159	Washer, Flat, .349 x .879 x .063
46	946-04230A	Auger Clutch Cable
47	919-05029	Auger Housing
48	710-0642	Screw, 1/4-20 x 0.75
49	711-06266	Axle, Auger, 24"
—	711-06144	Axle, Auger, 26"
—	711-06145	Axle, Auger, 28"
50	914-0161	Hi-Pro Key
51	715-04034	Pin, Roll, .25 x 1.0
52	716-05001	Retainer Ring
53	917-04861	Worm Gear, 20T
54	917-05112	Worm Shaft
55	721-04612	Seal, .75 x 40mm x .25
56	721-04613	Seal, .75 x 1.375 x .25
57	921-04614	Gearbox Gasket
58	941-05042	Ball Bearing, .75 x 40 x 12

Auger & Auger Housing (30" HD)

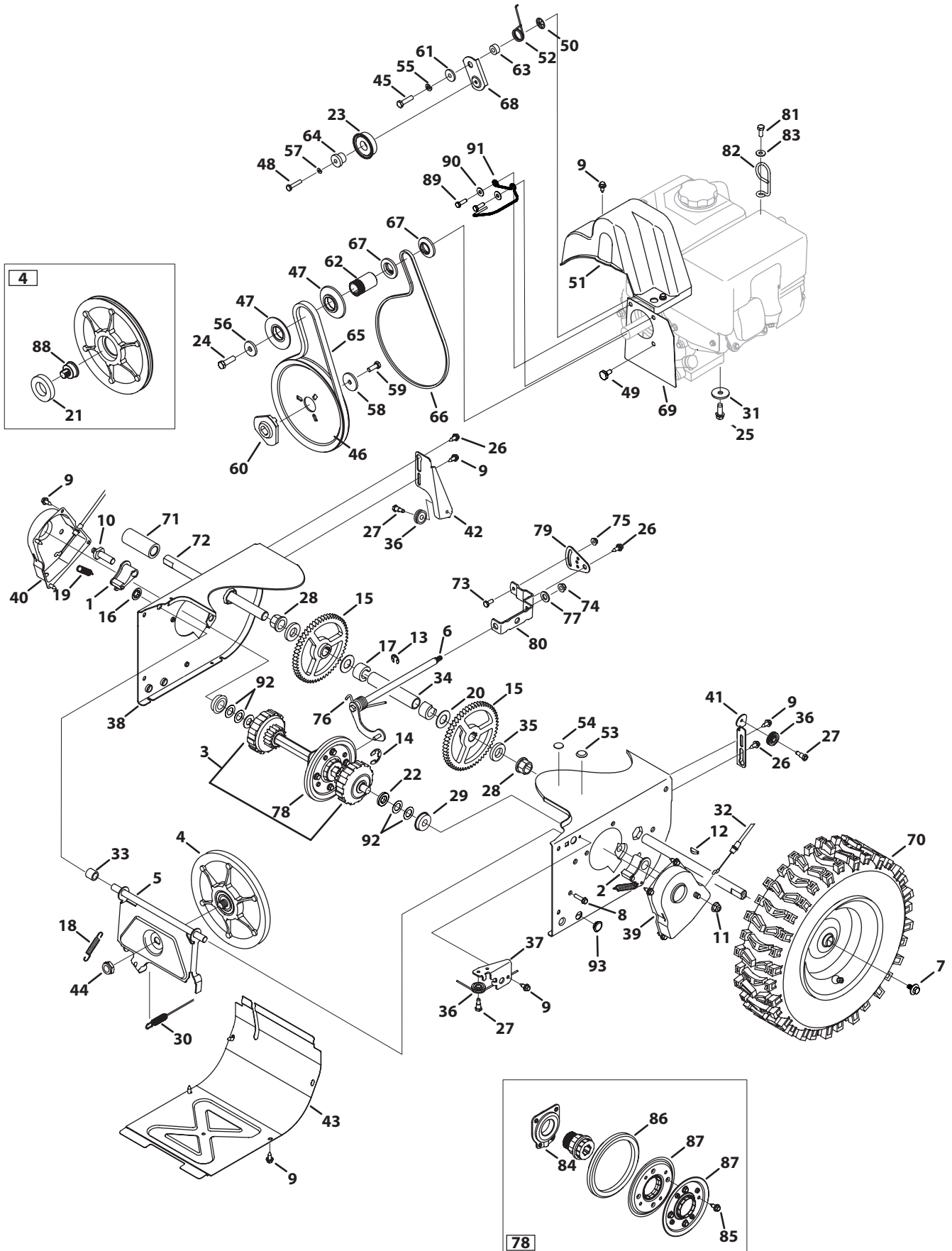


Auger & Auger Housing (30" HD)

Ref.	Part Number	Description
1	918-06061	Gearbox Assembly, Auger, 30"
2	684-05020	Spiral Assembly - RH
3	684-05021	Spiral Assembly - LH
4	684-05039A	Auger Housing, 30"
5	714-04040	Bow Tie Cotter Pin
6	731-09557	Spacer, 1.25 OD x .75 ID x 7.38
7	738-04124A	Shear Pin
8	741-0493A	Flange Bushing, .800 x .910
9	790-00550	Shave Plate, 30"
10	731-2635	Clean-out Tool Mtg. Bracket
11	684-05015A	Accelerator Assembly
12	684-05030	Impeller Assembly
13	710-0347	Hex Bolt, 3/8-16 x 1.75
14	710-04484	Screw, 5/16-18 x .750
15	710-0451	Carriage Bolt, 5/16-18 x .750
16	710-0607	Hex Washer Screw, 5/16-18 x .500
17	712-04063	Flange Lock Nut, 5/16-18
18	712-04065	Flange Lock Nut, 3/8-16
19	916-0231	E-ring, .75
20	725-0157	Cable Tie
21	926-04012	Push-On Nut, .25 Dia.
22	731-08637A	Hubcap
23	750-06274	Spacer, 1.35 OD x .76 ID x 2.755
24	732-04460	Extension Spring, .38 OD x 4.59
25	736-0174	Wave Washer, .625 x .885 x .0175
26	736-0188	Flat Washer, .76 x 1.49 x .06
27	736-0242	Bell Washer, .340 x .872 x .060
28	936-0287	Flat Washer, .793 x 1.24 x .06
29	736-3040	Flat Washer, .406 x 1.92 x .060

Ref.	Part Number	Description
30	931-2643	Clean-Out Tool
31	738-0143	Shoulder Screw, 3/8-16 x .496 x .336
32	938-0281	Shoulder Screw, 3/8-16 x .625 x .17
33	941-0309	Flange Ball Bearing, .75 x 1.85
34	741-05041	Hex Flange Bearing, .75 ID
35	756-04224	Flat Idler Pulley
36	790-00075	Bearing Housing
37	790-00080A	Auger Idler Bracket
38	790-00534	Bearing Housing
39	710-0703	Carriage Screw, 1/4-20 x 0.75
40	712-04064	Flange Lock Nut, 1/4-20
41	731-07525	Chute Adapter
42	710-0276	Spacer, Carriage, 5/16-18 x 1.00
43	783-08281	Gearbox Cover
44	731-06931	Deluxe Slide Shoe
45	936-0159	Washer, Flat, .349 x .879 x .063
46	946-04230A	Auger Clutch Cable
47	919-05029	Auger Housing
48	710-0642	Screw, 1/4-20 x 0.75
49	711-06127	Axle, Auger, 30"
50	914-0161	Hi-Pro Key
51	715-04034	Pin, Roll, .25 x 1.0
52	716-05001	Retainer Ring
53	917-04861	Worm Gear, 20T
54	917-05112	Worm Shaft
55	721-04612	Seal, .75 x 40mm x .25
56	721-04613	Seal, .75 x 1.375 x .25
57	921-04614	Gearbox Gasket
58	941-05042	Ball Bearing, .75 x 40 x 12

Drive System



Ref.	Part Number	Description
1	618-06987	Dogg Assembly, RH
2	618-06988	Dogg Assembly, LH
3	918-06072	Drive Shaft Assembly
4	656-04055	Friction Wheel Disc Assembly
5	684-04154B	Friction Wheel Support Bracket
6	684-04156A	Rod Shift Assembly
7	710-05339	Screw, 5/16-24 x .750
8	710-0788	Screw, 1/4-20 x 1.000
9	710-1652	Screw, 1/4-20 x .625
10	711-1268B	Actuator Shaft
11	712-04065	Nut, Flangelock, 3/8-16
12	914-0126	Hi-Pro Key, 3/16 x 3/4 DIA
13	916-0104	E-Ring
14	716-0136	Retainer Ring
15	917-04210	Gear, 56T
16	726-0221	Nut, Speed, .500
17	731-05297	Spacer, .76 x .75
18	932-0264	Extension Spring, .380 x 2.500
19	732-04345	Extension Spring, .500 x 1.71
20	736-0188	Washer, Flat, .76 x 1.49
21	741-04098	Ball Bearing, 30 x 55 x 13
22	750-06087	Spacer, .68 ID x 1.25 OD x .20
23	684-04169	Idler Pulley Assembly
24	710-0191	Hex Head Screw, 3/8-24 x 1.25
25	710-0654A	Taptite Sems Screw, 3/8-16 x 1.000
26	738-04184A	Screw, Shoulder, .368 x .113 x 1/4-20
27	738-0924A	Screw, Shoulder, .340 x .335 x 1/4-28
28	941-0245	Hex Flange Bearing, .75 ID
29	941-0563	Ball Bearing, 17 x 40 x 12
30	946-05067	Drive Clutch Cable
31	736-0320	Washer, Flat, .38 x 1.38
32	946-0956C	Steering Cable
33	748-0190	Spacer, .508 x .75
34	750-04474	Axle Support Tube
35	750-0767	Spacer, Axle
36	756-0625	Cable Roller
37	790-00096A	Auger Cable Guide Bracket
38	790-00183C	Wheel Drive Frame (24", 26" & 28")
—	684-05041	Wheel Drive Frame (30")
39	790-00527	Shaft Retainer, LH

Ref.	Part Number	Description
40	790-00528	Shaft Retainer, RH
41	790-00206A	Auger Clutch Cable Guide Bracket
42	790-00207C	Drive Clutch Cable Guide Bracket
43	790-00316	Frame Cover
44	712-0417A	Nut, Flange, 5/8-18
45	710-0672	Hex Head Screw, 5/16-24 x 1.25
46	756-04109	Auger Pulley, 8.1 x .5
47	756-04113	Pulley, Half, 2.600
48	710-0809	Taptite Screw, 1/4-20 x 1.250
49	738-04439	Shoulder Screw, .500 x .145
50	926-04012	Nut, Push-On, .25 Dia.
51	731-06401	Belt Cover
52	732-04308A	Spring, Torsion, .850 x .333
53	735-04099†	Plug, 3/8 ID
54	735-04100†	Plug, 1/2 ID
55	936-0119	Washer, Lock, 5/16
56	736-3082A	Washer, Flat, .45 x 1.5
57	936-0329	Washer, Lock, 1/4
58	736-0505	Washer, Flat, .34 x 1.50
59	710-1245B	Hex Head Screw, 5/16-24 x .875
60	748-04053A	Pulley Adapter, .75 DIA
61	748-04112B	Spacer, Shoulder, .3175 x .500
62	750-04303	Spacer, .875 x 1.185
63	750-04477A	Spacer, .340 x .750
64	750-04571	Spacer, Shoulder, .260 x .785
65	954-04195A	Belt, .500 x 37
66	954-04201A	Belt, 3/8 x 35.68
67	756-04252	Pulley, Half, 3/8 x 1.7160
68	790-00208D	Drive Idler Bracket
69	790-00332	Cover Plate
70	634-04136-0931	Wheel, LH (28" & 30")
—	634-04137-0931	Wheel, RH (28" & 30")
—	634-04147A-0931	Wheel, LH (24" & 26")
—	634-04148A-0931	Wheel, RH (24" & 26")
71	731-04873	Spacer, 1.25 x .75 x 3.00
72	938-04180	Axle, .75 x 11.12
73	710-0751	Hex Head Screw, 1/4-20 x .620
74	712-04063	Nut, Flange Lock, 5/16-18
75	712-04064	Nut, Flange Lock, 1/4-20
76	732-04311A	Spring, Torsion, .750 x .968

Continued on next page

Drive System

Ref.	Part Number	Description
77	936-3015	Washer, Flat, .469 x .875 x .105
78	684-04153C	Friction Wheel Assembly
79	790-00217A†	Speed Selector Pivot Bracket
80	790-00218A	Speed Selector Shift Bracket (STD)
—	790-00575	Speed Selector Shift Bracket (HD)
81	710-04022	Hex Head Screw, 1.25 x 20
82	732-04677	Cable Guide
83	936-0264	Washer, Flat, .330 x .630
84	618-0063A	Bearing Assembly, Friction Wheel
85	710-04484	Screw, 5/16-18 x .75
86	935-04054	Friction Wheel, 5.5 OD
87	790-00174C	Friction Wheel Plate
88	738-04164A	Friction Pin, Disc Bearing
89	710-0117A	Hex Head Screw, 5/16-24 x 1.00
90	936-0159	Washer, Flat, .349 x .879
91	747-06336	Belt Guide
92	736-05031	Flat Washer, .67 x 1.174 x .02
93	735-04063A	Plug, 5/8 Hole

† If Equipped

777D19822



777D19026



777D20045



777D19818



777D19028



777D19029



777D19030



777I23013



777D15108



777D15109



777D15110



777D19023 (Steel)



777D19022 (STD)



777D15112



777D15113



777D15114



777D19024



777I22339 (STD)



777I22341 (Steel)



777S32280 (Steel)



777S32636



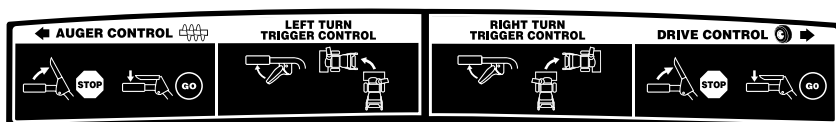
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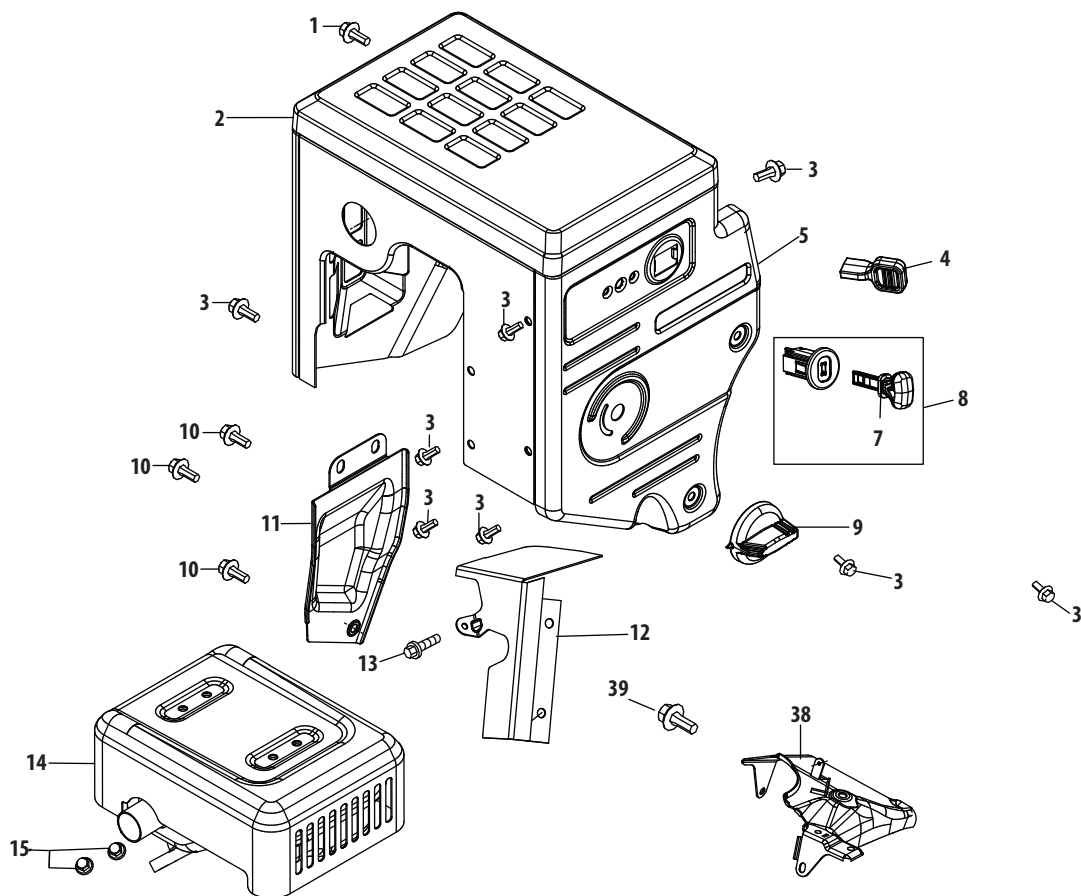
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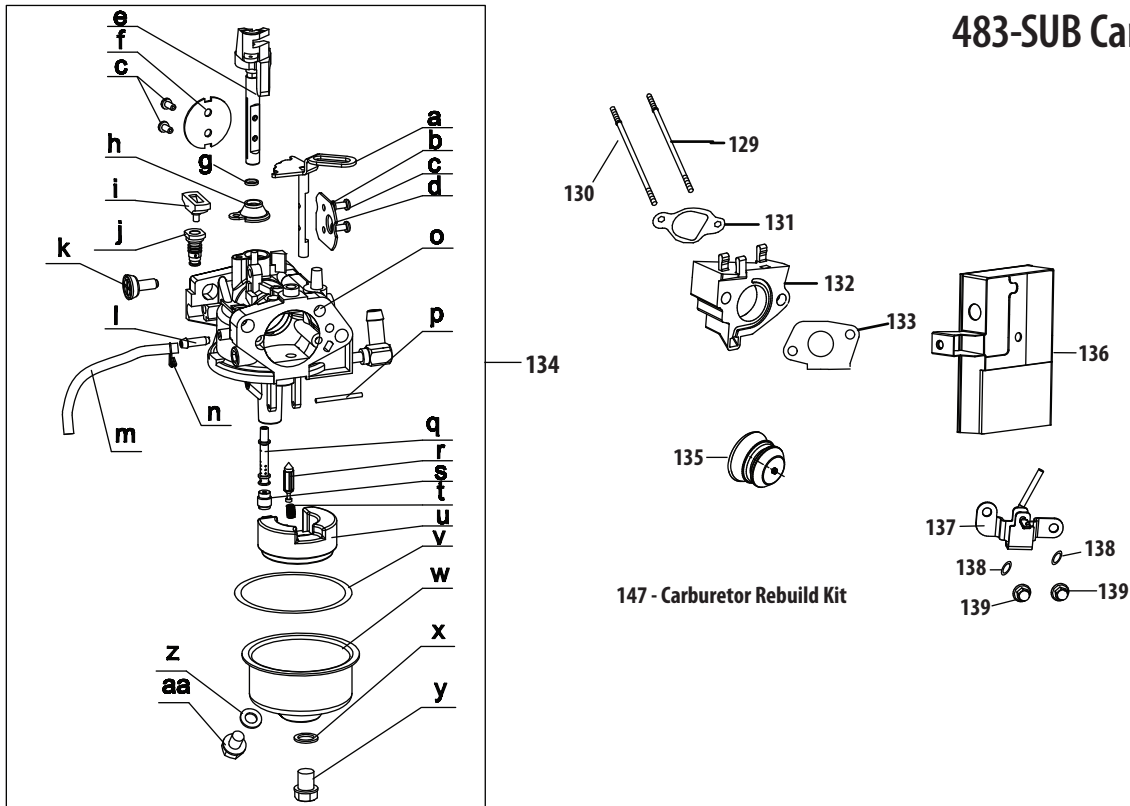
Engine Model 483-SUB Muffler & Controls



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

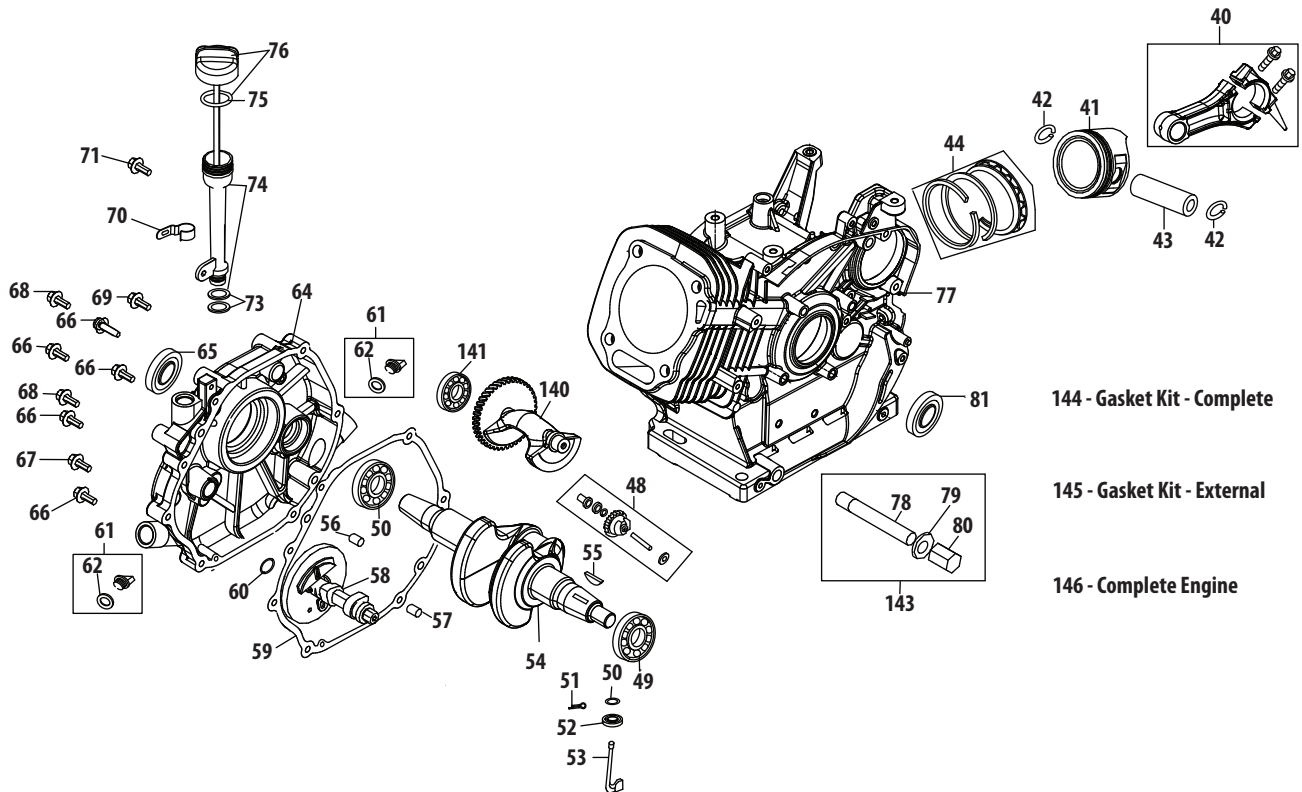
483-SUB Carburetor



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	951-11316	Carburetor Insulator
133	951-11223	Carburetor Gasket
134	951-14023A	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	951-12760A	Carburetor Rebuild Kit (Inc.i,j,p,q,r,s,t,u,v,x,z)
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
g	n/a	Gasket

Ref.	Part Number	Description
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	Primer Pipe
m	751-11991	Primer Hose
n	951-11906	Primer Hose Clamp
o	n/a	Carburetor Body
p	n/a	Float Pin
q	n/a	Emulsion Tube
r	n/a	Nickel Plated Brass Needle Valve
s	n/a	Main Jet
t	n/a	Needle Valve Spring
u	n/a	Float
v	951-11970	Fuel Bowl Gasket
w	n/a	Fuel Bowl
x	951-11348	Fuel Bowl Gasket
y	710-04945	Fuel Bowl Mounting Bolt
z	951-11349	Fuel Drain Plug Gasket
aa	710-04938	Fuel Drain Plug

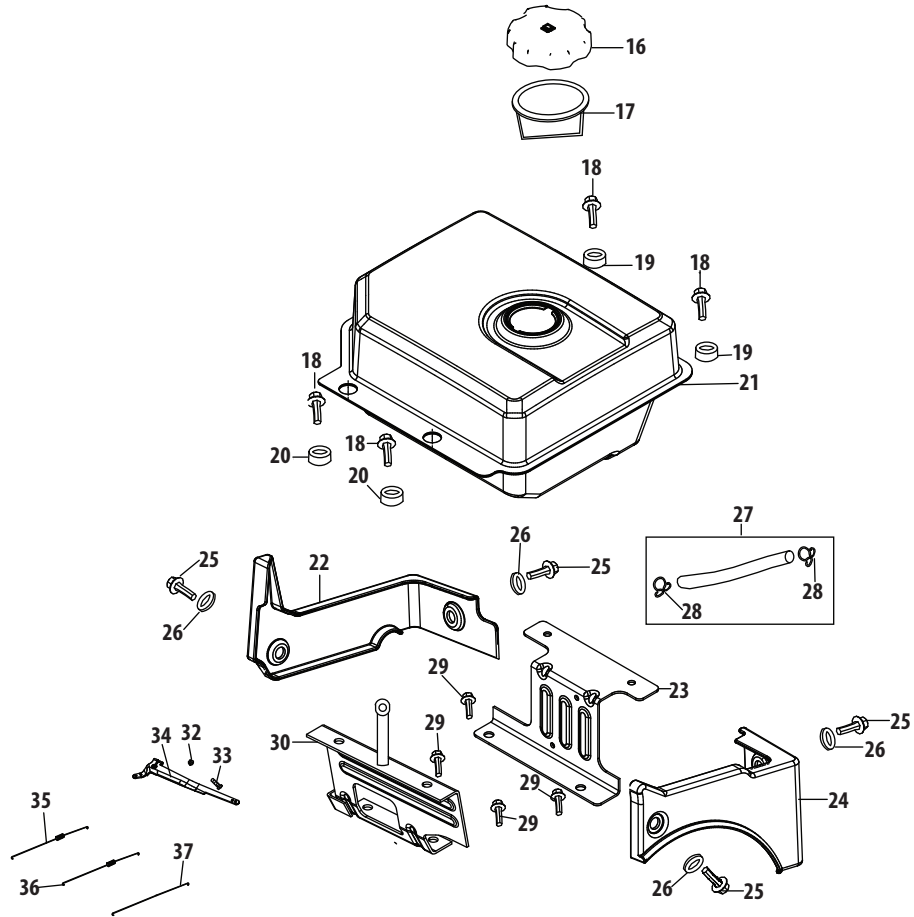
483-SUB Crankcase



Ref.	Part Number	Description
40	951-11951	Connecting Rod Assembly
41	951-11952	Piston
42	951-11953	Piston Pin Snap Ring
43	951-11954	Piston Pin
44	951-12579	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	951-11342	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	951-11341A	Crankcase Kit (Inc.49,52,77,81)
	951-11328B	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	951-11968	Balance Gear Assembly
141	951-11969	Bearing
143	951-10641	Oil Drain Asm
144	951-11330A	Gasket Kit - Complete (Inc.52,59,65,79,81,106, 108,125,131-133)
145	951-11331	Gasket Kit - External (Inc.79,108,125,131-133)
146	952Z483-SUB	Complete Engine

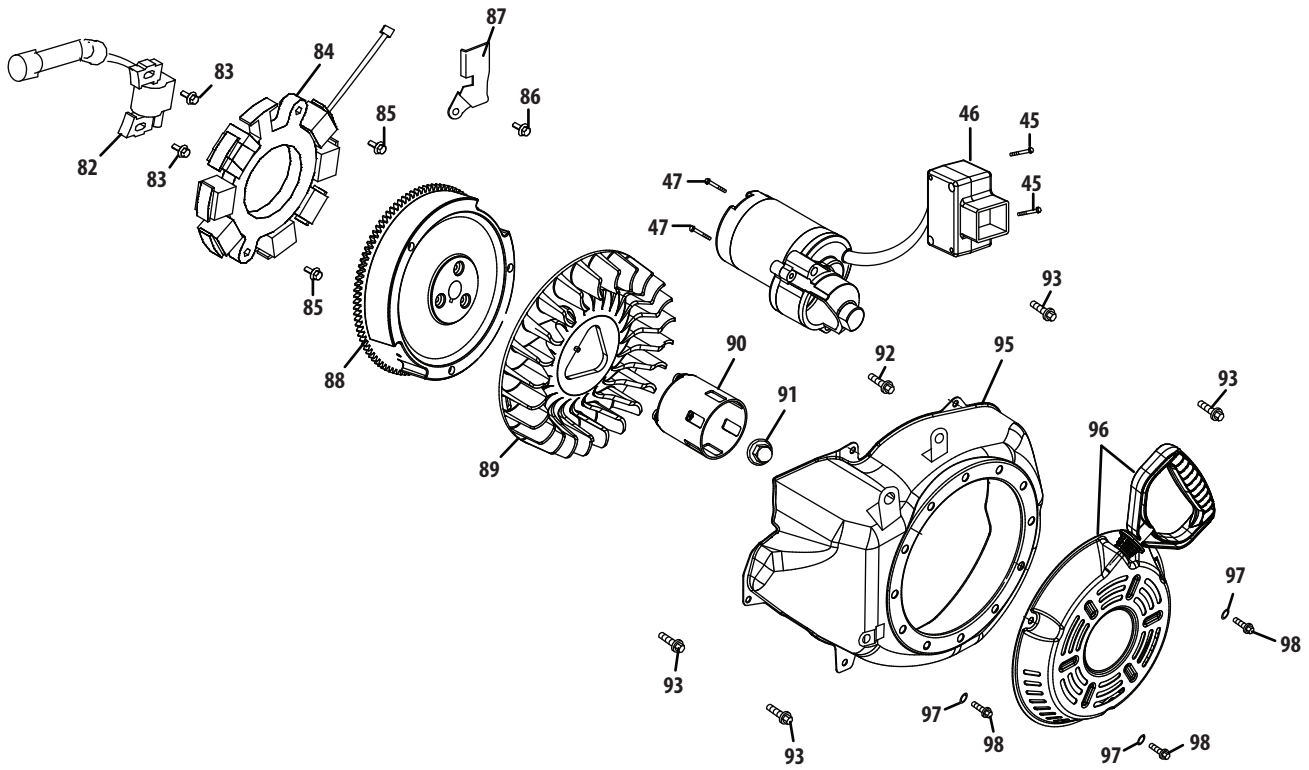
483-SUB Fuel Tank & Mounting



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

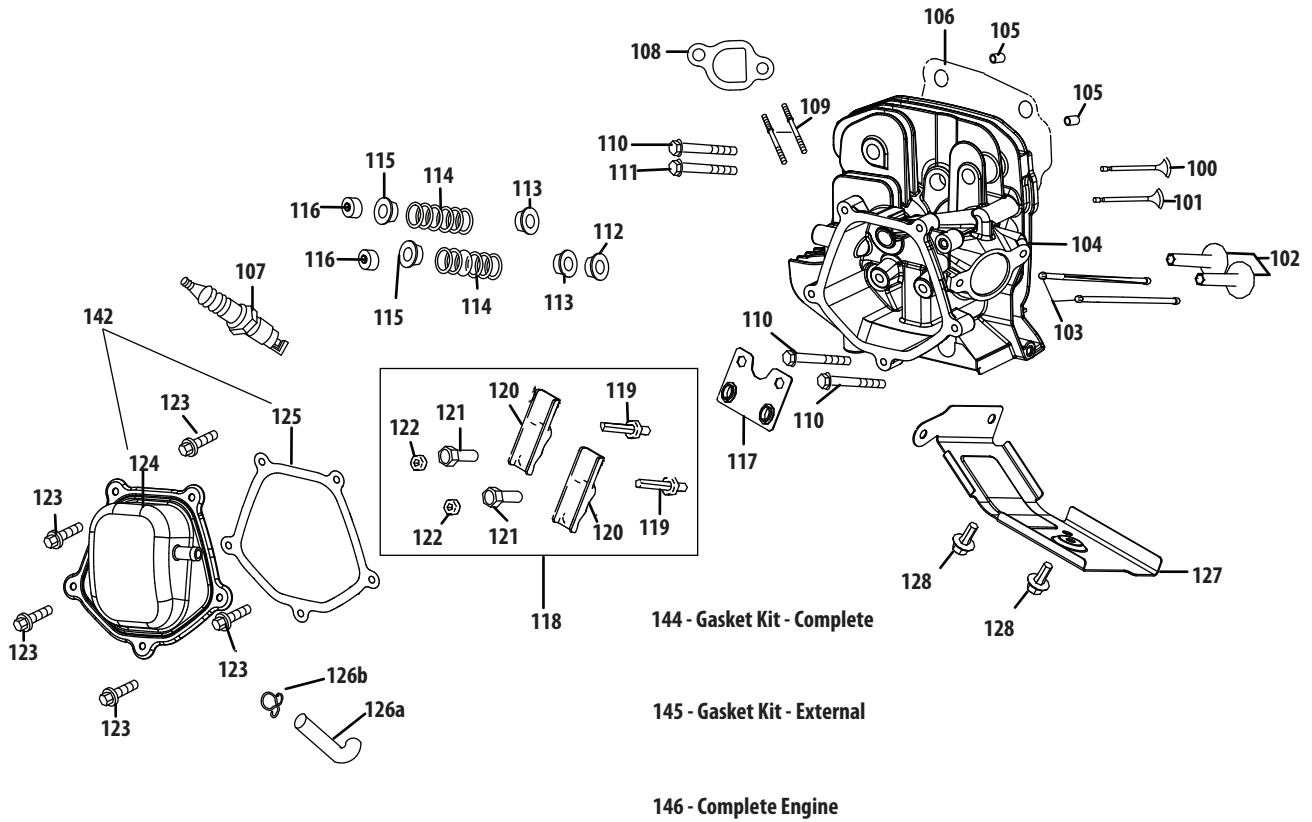
483-SUB Starter Assembly & Blower Housing



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

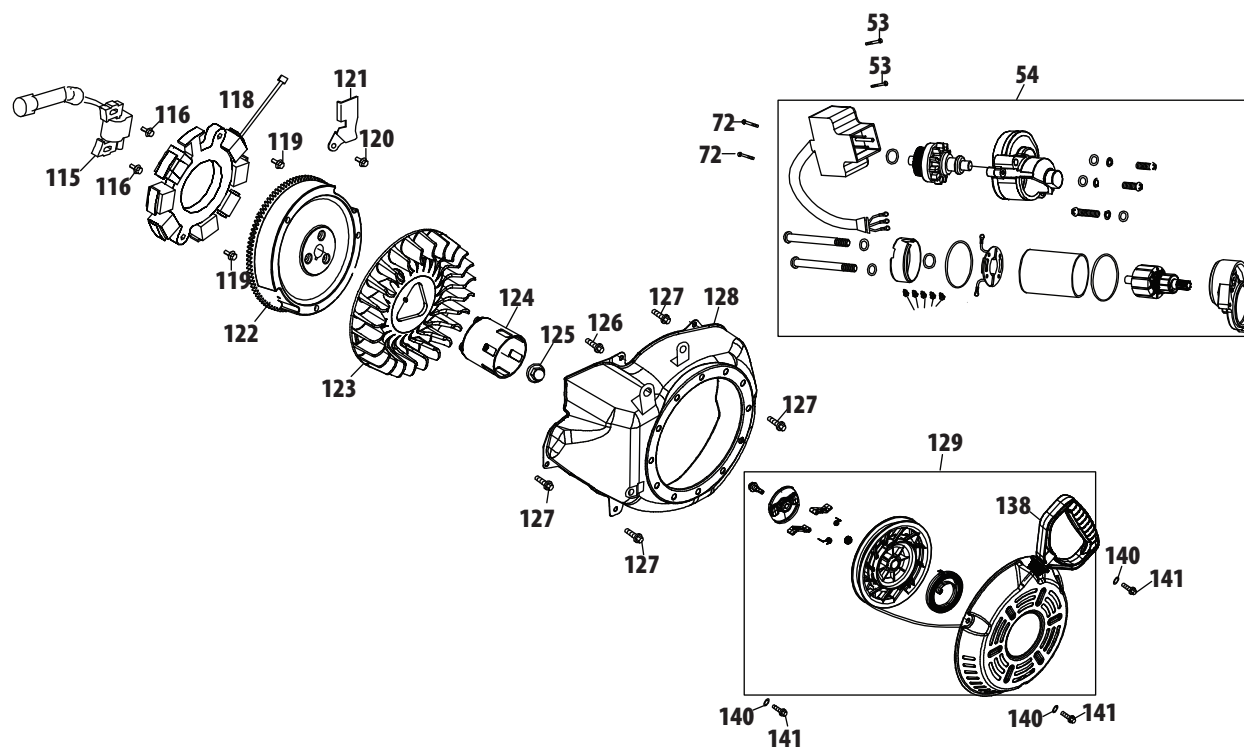
483-SUB Cylinder Head



483-SUB Cylinder Head

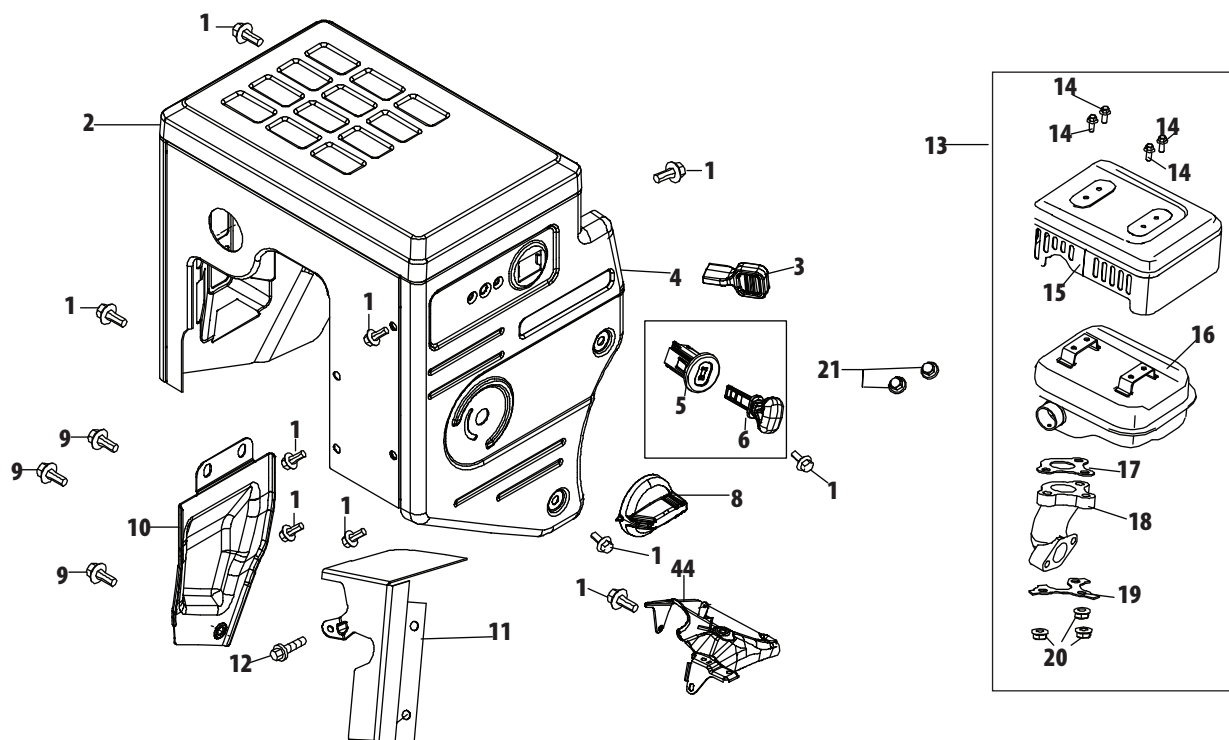
Ref.	Part Number	Description	Ref.	Part Number	Description
100	951-11337	Valve Kit	116	951-12081	Exhaust Lash Cap
101	951-11337	Valve Kit	117	951-11965	Push Rod Guide
102	951-11962	Tappet	118	951-11981	Rocker Arm Assembly
103	951-11335	Push Rod Kit	119	710-04962	Bolt, Pivot
104	951-12555	Cylinder Head Kit (Inc.106,110-112,125)	120	951-11966	Rocker Arm
	951-11329B	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	951-11963	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	951-11221	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	951-11330A	Gasket Kit - Complete (Inc.52,59,65,79,81,106, 108,125,131-133)
114	951-12078	Valve Spring	145	951-11331	Gasket Kit - External (Inc.79,108,125,131-133)
115	951-12080	Exhaust Valve Spring Retainer	146	952Z483-SUB	Complete Engine

Engine Model 490-WU Starter & Blower Housing



Ref.	Part Number	Description
53	710-04965	Bolt M4x55
54	951-11196	Electric Starter
72	710-04967	Bolt M8x55
115	751-11305A	Ignition Coil Assembly
116	710-05350	Ignition Coil Bolt
118	951-12553	Alternator Assembly
119	710-04969	Bolt M6x30
120	710-04966	Bolt M6x8
121	951-11186	Wire Plate
122	951-12556	Flywheel

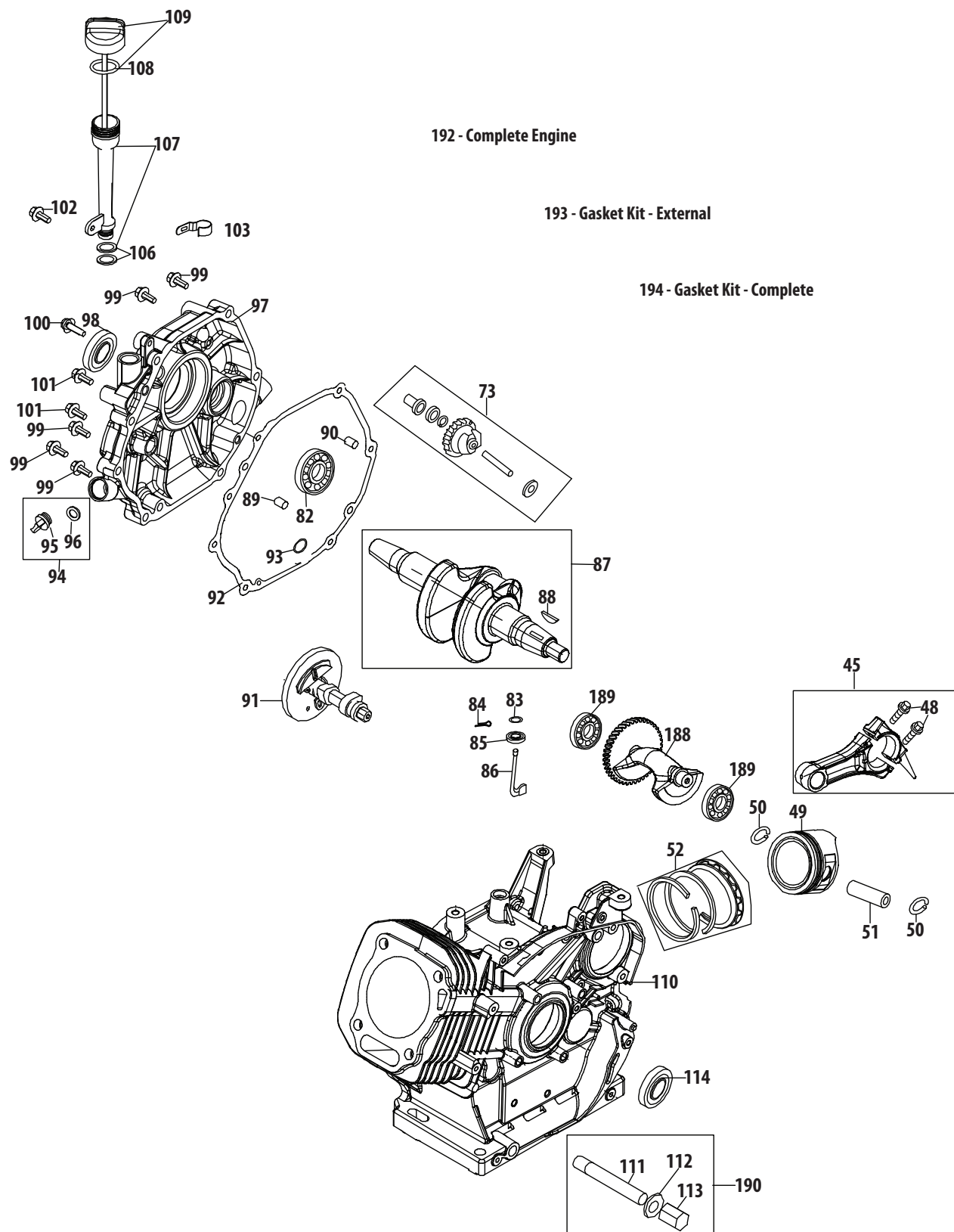
Ref.	Part Number	Description
123	951-11313	Cooling Fan
124	951-11314	Starter Cup
125	712-04220	Flange Nut
126	710-04968	Bolt M6x16
127	710-04915	Bolt M6x12
128	951-11211	Blower Housing
129	951-14223	Recoil Starter Assembly
138	731-05696	Starter Handle
140	736-04455	Gasket 6
141	710-04974	Bolt M6x10



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	731-05632	Key
8	951-11302	Choke Knob
9	710-04914	Bolt M6×10
10	951-11181	Exhaust Pipe Shield
11	951-11321	Carb Isolator Bracket
12	710-04968	Bolt M6×16

Ref.	Part Number	Description
13	951-11338	Muffler Assembly
14	710-06136	Bolt
15	708-05051	Muffler Guard
16	608-05020	Muffler Body
17	721-04670	Gasket, Muffler
18	619-05064	Exhaust Pipe
19	708-05052	Gasket
20	712-05044	Nut M8
21	712-04219	Nut, M8
44	951-11311	Throttle Bracket

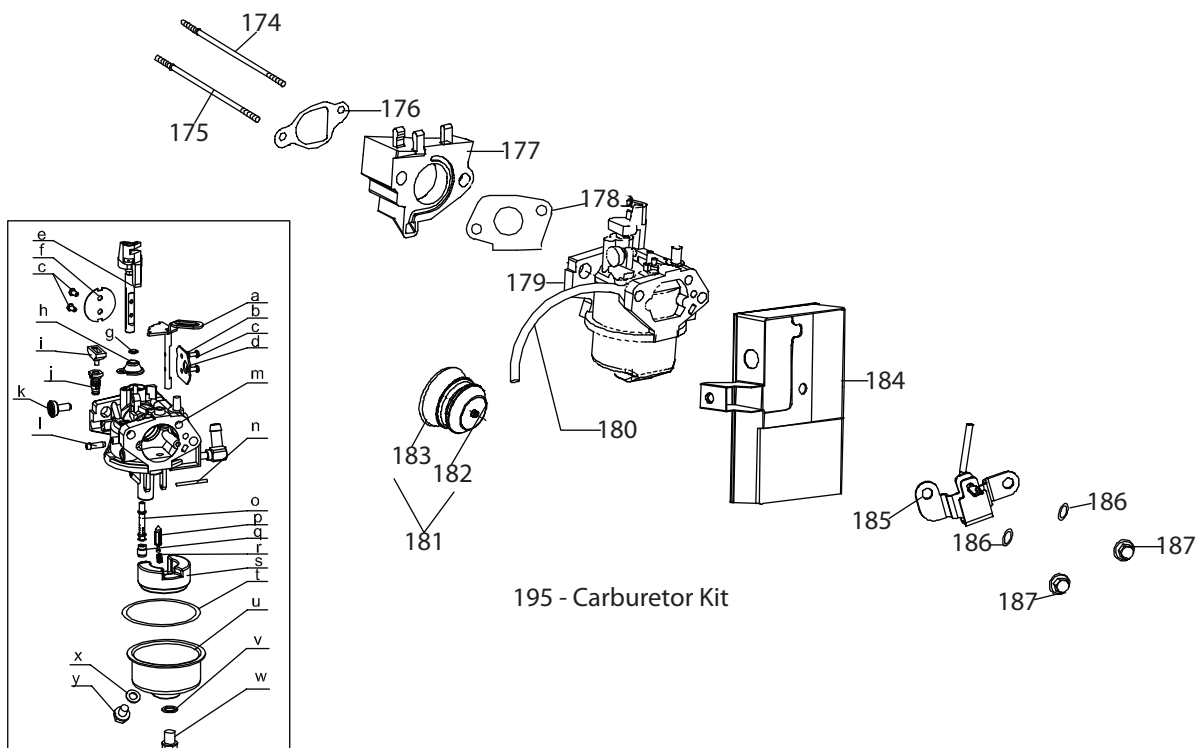
490-WU Crankcase



Ref.	Part Number	Description
45	951-11951	Connecting Rod Assembly
48	710-05319	Connecting Rod Bolt
49	951-12092	Piston
50	951-11953	Piston Pin Snap Ring
51	951-11954	Piston Pin
52	951-12593	Piston Ring Set
73	951-11956	Governor Gear/Shaft Assembly
82	951-11373	Radial Ball Bearing, 6202-P6
83	736-04453	Washer 8x20x0.8
84	714-04077	Cotter Pin
85	951-11958	Governor Seal
86	951-11365	Governor Arm Shaft
87	651-05127	Crankshaft Kit (Incl.82,87,88,98,114)
88	951-10307	Woodruff Key
89	715-04102	Dowel Pin 9x12
90	715-04092	Dowel Pin 7x14
91	951-11959A	Camshaft Assembly
92	951-11376	Crankcase Cover Gasket
93	736-04545	Washer 16x24x0.5
94	951-11345	Oil Fill Plug Assembly
95	951-12394	Oil Plug
96	951-11577	O-Ring 16x3
97	951-11340A	Crankcase Cover Kit (Incl.82,92,93,97-101)
98	951-11375	Oil Seal, 35x52x7
99	710-06061	Bolt M8x38

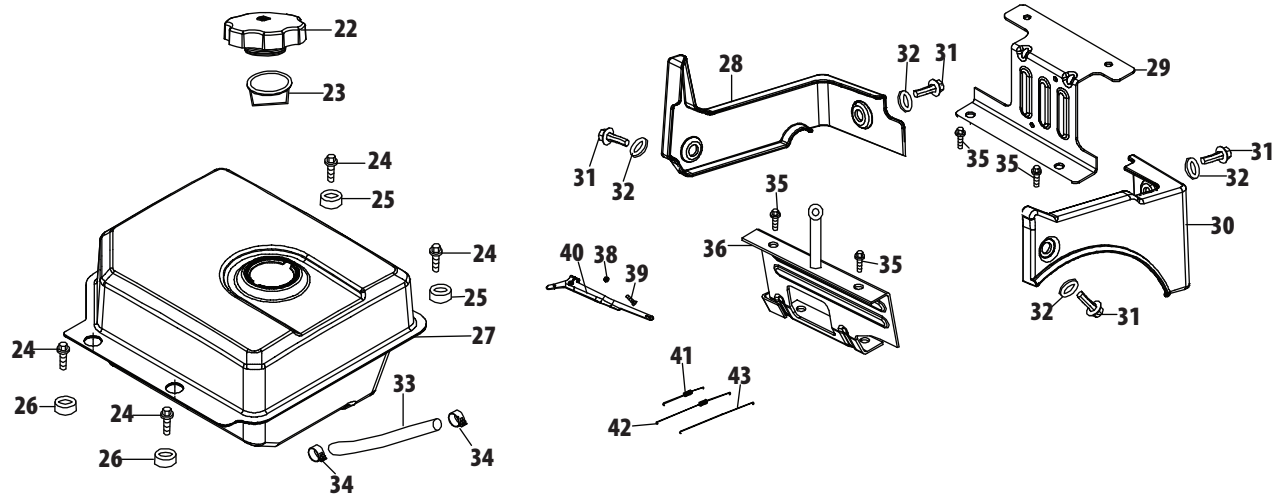
Ref.	Part Number	Description
100	710-06062	Bolt M8x45
101	710-06063	Bolt M8x35
102	710-04968	Bolt M6x16
103	951-11320	Dipstick Clamp
106	951-11381	Oil Fill Tube O-Ring
107	951-12073	Oil Fill Tube Assembly
108	951-11904	Dipstick O-Ring
109	951-11971A	Dipstick Assembly
110	951-11359A	Crankcase Kit (Incl.82,85,110,114)
	651-05126	Short Block (Incl.45-52,74-80,82-93,95-101, 110-114,145,148,149,151,153,154, 167,174,175,186,187)
111	951-11350	Oil Drain Pipe
112	736-04440	Washer 10x16x1.5
113	710-04906	Oil Drain Plug
114	951-11499	Oil Seal 35x52x7
188	951-12095	Balanceable Shaft Assy.
189	951-11969	Bearing, 6207-P6
190	951-10641	Oil Drain Assembly
192	952Z490-WU	Complete Engine
193	951-11363	Gasket Kit - External (Incl.112,151,167,174-176)
194	951-11362	Gasket Kit - Complete (Incl.85,92,98,112,114,151, 167,174-176)

490-WU Carburetor



Ref.	Part Number	Description
174	710-05392	Stud M6-8×100
175	710-05056	Stud M6-8×118
176	951-11315	Carburetor Insulator Gasket
177	951-11353	Carburetor Insulator
178	951-11354	Carburetor Gasket
179	651-05124	Carburetor Assembly
180	751-11991	Primer Hose
181	951-10639A	Primer Assembly
182	951-11824	Primer Bulb
183	951-11906	Primer Hose Clamp
184	951-11304	Heater Box
185	951-11192	Choke Control
186	736-04477	Lock Washer
187	712-05015	Nut M6
195	651-05139	Carburetor Kit (Incl. l,j,o,p,q,r,s,t,u,x,z)
a	n/a	Choke Shaft
b	736-04638	Lock Washer
c	710-05469	Screw M3×6
d	n/a	Choke Plate
e	n/a	Throttle Shaft

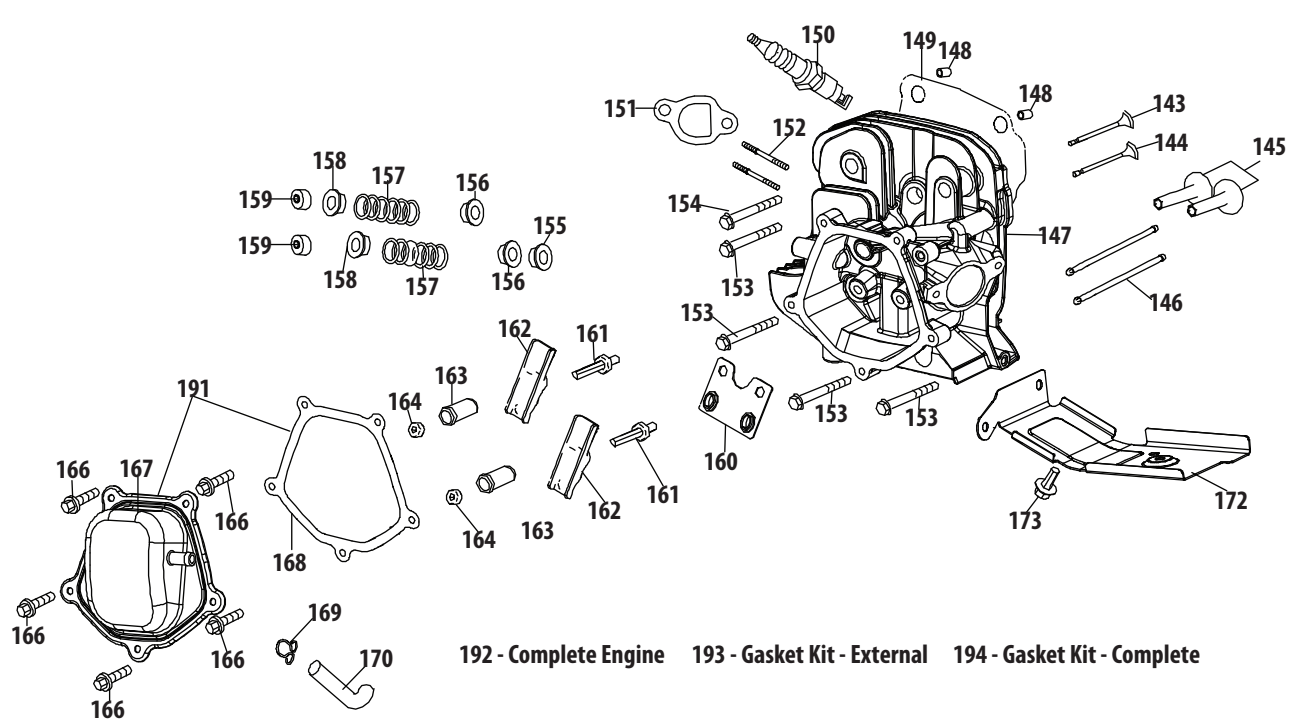
Ref.	Part Number	Description
f	n/a	Throttle Plate
g	n/a	Gasket
h	n/a	Throttle Shaft Cover
i	n/a	Idle Jet Rivet
j	n/a	Idle Jet Assembly
k	n/a	Idle Speed Adjusting Screw
l	751-11991	Primer Hose
m	951-11906	Hose Clamp
n	n/a	Carburetor Body
o	n/a	Float Pin
p	n/a	Emulsion Tube
q	n/a	Needle Valve
r	n/a	Main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



Ref.	Part Number	Description
22	951-12533	Fuel Cap Assembly
23	951-11933	Fuel Filter
24	710-04970	Bolt M8×20
25	750-05312	Bush , Gas Tank
26	750-05313	Bush , Gas Tank
27	951-11201	Fuel Tank Assembly
28	951-11319	Left Trim Plate
29	951-11318	Rear Mainting Bracket Assy.
30	951-11351	Right Trim Plate
31	710-04968	Bolt M6×16
32	736-04452	Bush

Ref.	Part Number	Description
33	951-11336	Fuel Line Kit
34	951-11700	Fuel Hose Clamp
35	710-04921	Bolt M8×14
36	951-11182	Gas Tank Support Bracket
38	712-04212	Nut M6
39	710-04908	Governor Arm Bolt
40	951-11307	Governor Arm
41	951-11306	Governor Spring
42	951-11203	Throttle Linkage Spring
43	951-11309	Throttle Linkage

490-WU Cylinder Head

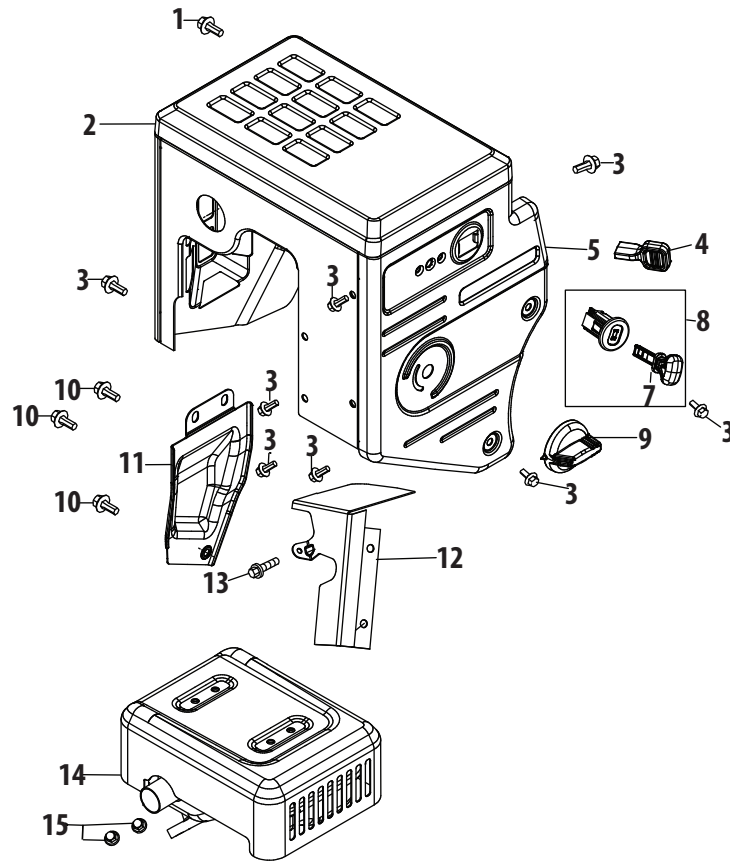


490-WU Cylinder Head

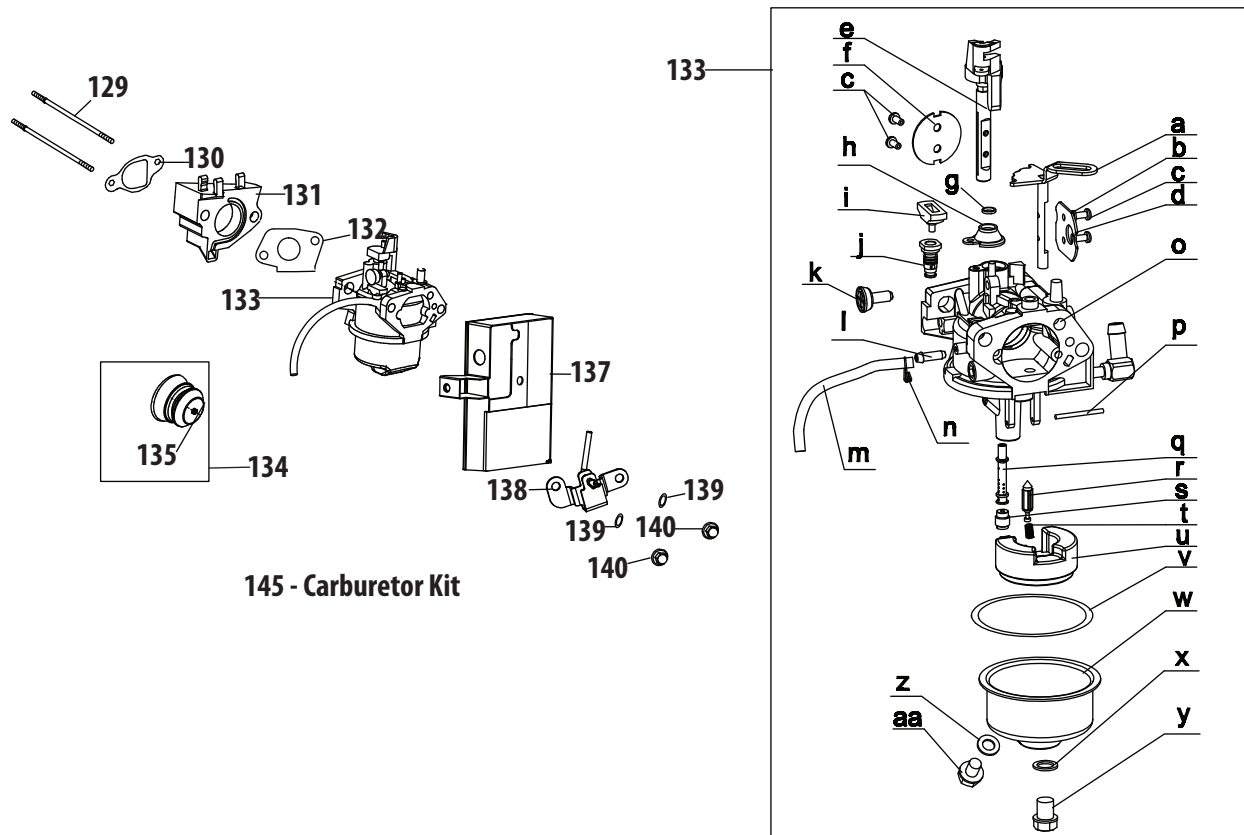
Ref.	Part Number	Description
143	951-11337	Valve Kit
144	951-11337	Valve Kit
145	951-11962	Tappet
146	951-11335	Push Rod Kit
147	951-11361A	Cylinder Head Assembly (Incl.143,144,149,151-164, 167,172-176)
	951-12592	Cylinder Head Kit (Incl.149,153-155,166)
148	715-04097	Dowel Pin 12x20
149	951-12094	Gasket, Cylinder Head
150	951-10292	Spark Plug/F6Rtc
151	951-11212	Exhaust Pipe Gasket
152	710-04964	Stud M8x48.5
152	951-11207	Muffler Stud Assembly
153	710-06064	Bolt M10x1.25x87
154	710-06065	Bolt M10x1.25x65
155	951-11964	Valve Seal (Intake)
156	951-12077	Valve Spring Retainer(Intake)
157	951-12078	Valve Spring
158	951-12080	Valve Spring Retainer (Exhaust)

Ref.	Part Number	Description
159	951-12081	Exhaust Lash Cap
160	951-11965A	Push Rod Guide
161	710-04962	Bolt, Pivot
162	951-11966	Rocker Arm
163	751-11123	Adjusting Nut ,Valve
164	751-11124	Nut, Pivot Locking
166	710-05054	Valve Cover Bolt
167	951-11220	Valve Cover
168	951-11967	Valve Cover Gasket
169	726-04101	Breather Hose Clamp
170	951-11221	Breather Hose
172	951-11317	Air Shield
173	710-04915	Bolt M6x12
191	951-11333	Valve Cover Kit
192	952Z490-WU	Complete Engine
193	951-11363	Gasket Kit - External (Incl.112,151,167,174-176)
194	951-11362	Gasket Kit - Complete (Incl.85,92,98,112,114,151, 167,174-176)

Engine Model 478-SUB Muffler & Controls



Ref.	Part Number	Description
1	710-04915	Bolt, M6x12
2	951-11194	Muffler Shield
3	710-04915	Bolt M6x12
4	951-10757	Throttle Control Knob
5	951-11594	Control Panel
7	731-05632	Key
8	951-10637	Key Switch Assembly
9	951-11302	Choke Knob
10	710-04914	Bolt M6x10
11	951-11181	Exhaust Pipe Shield
12	951-11227	Carb Isolator Bracket
13	710-04968	Bolt M6x16
14	951-11195	Muffler Assembly
15	712-05015	Nut, M8

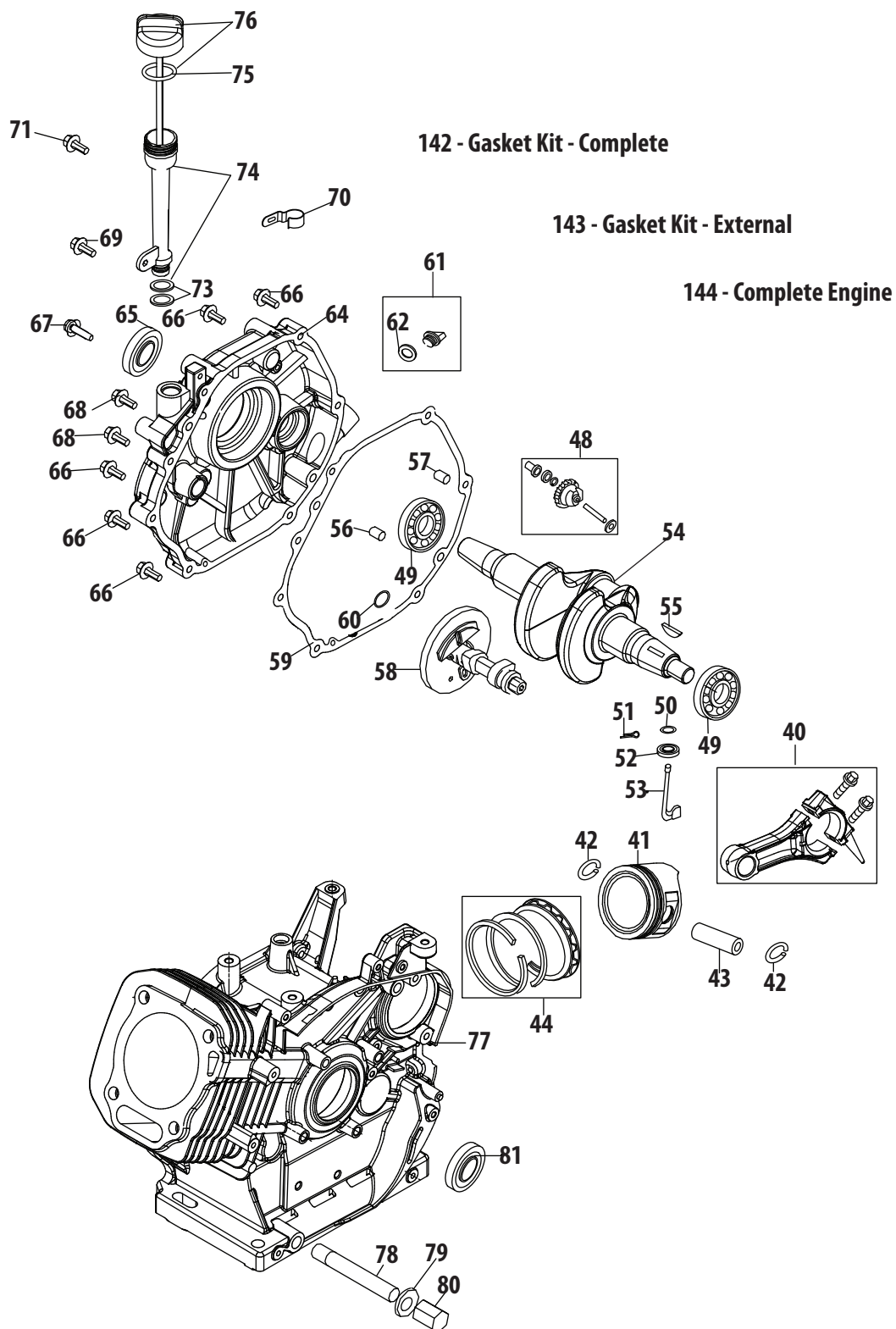


145 - Carburetor Kit

Ref.	Part Number	Description
129	710-04963	Stud M6-8×104
130	951-11225	Carburetor Insulator Gasket
131	951-11222	Carburetor Insulator
132	951-11223	Carburetor Gasket
133	951-14024A	Carburetor Assembly
134	951-10639A	Primer Assembly
135	951-11824	Primer
137	951-11190	Heater Box
138	951-11192	Choke Control
139	736-04477	Lock Washer
140	712-05015	Nut M6
145	951-12762A	Carburetor Kit (Incl. i,j,p,q,r,s,t,u,v,x,z)
a	n/a	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
g	n/a	Gasket

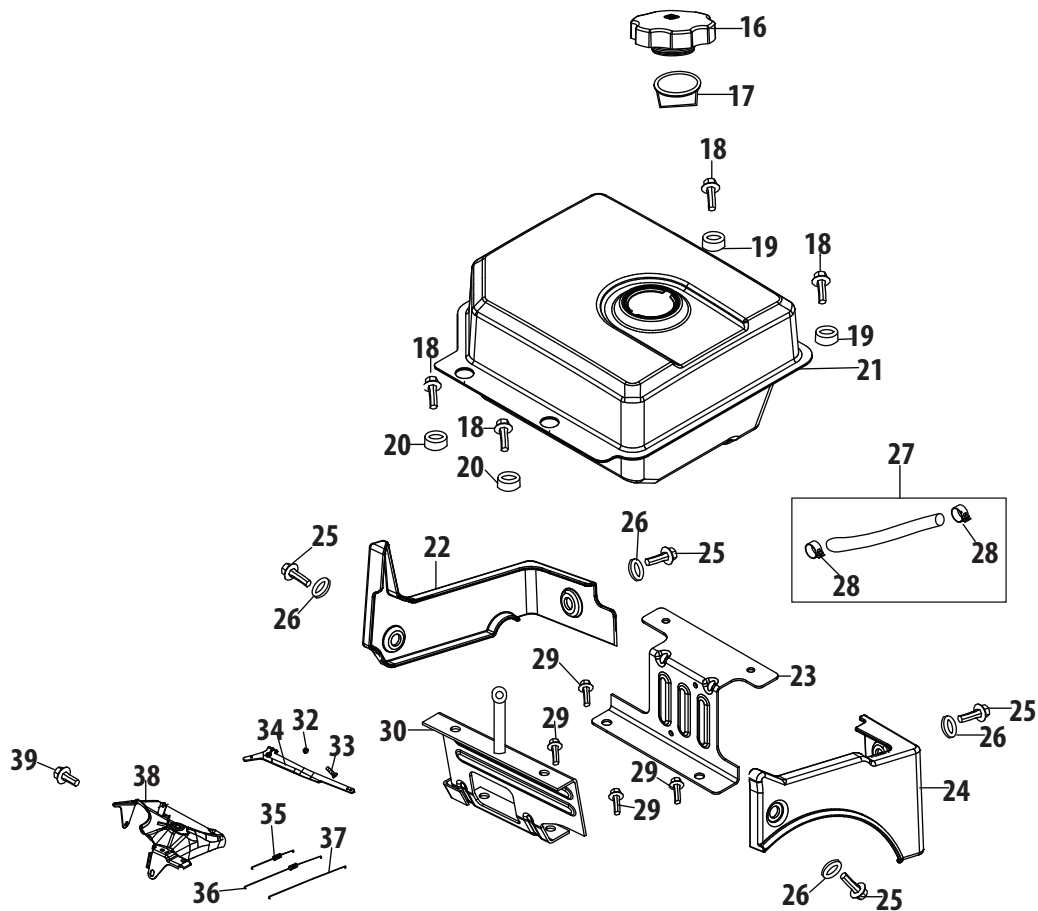
Ref.	Part Number	Description
h	n/a	Throttle Shaft Cover
i	n/a	Idle Jet Rivet
j	n/a	Idle Jet Assembly
k	n/a	Idle Speed Adjusting Screw
l	n/a	Primer Pipe
m	751-11991	Primer Hose
n	951-11906	Hose Clamp
o	n/a	Carburetor Body
p	n/a	Float Pin
q	n/a	Emulsion Tube
r	n/a	Needle Valve
s	n/a	Main Jet
t	n/a	Needle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

478-SUB Crankcase



Ref.	Part Number	Description	Ref.	Part Number	Description
40	951-12066	Connecting Rod Assembly	66	710-04971	Bolt M8×38
41	951-12043	Piston	67	710-04972	Bolt M8×45
42	951-11632	Piston Pin Snap Ring	68	710-05052	Bolt M8×35
43	951-12044	Piston Pin	69	710-04968	Bolt M6×16
44	951-12387	Piston Ring Set	70	951-11320	Dipstick Clamp
48	751-12068	Governor Gear/Shaft Assembly	71	710-05349	Bolt M6×8
49	951-12069	Radial Ball Bearing	73	951-11904	Oil Fill Tube O-Ring
50	736-04453	Washer 8×20×0.8	74	951-12073	Oil Fill Tube Assembly
51	714-04077	Cotter Pin	75	951-11381	Dipstick O-Ring
52	951-11958	Governor Seal	76	951-11971A	Dipstick Assembly
53	951-12071	Governor Arm Shaft	77	951-11230	Crankcase Kit
54	951-11229	Crankshaft Kit (Incl. 49,54,55,65,81)			(Incl. 49,52,77,81)
55	951-10307	Woodruff Key		951-11187	Short Block Assembly (Incl. 40-44,48-68,77-81,103, 106,107,109,111,124,130-132)
56	715-04102	Dowel Pin 9×12	78	951-11350	Oil Drain Pipe
57	715-04092	Dowel Pin 7×14	79	736-04440	Washer 10×16×1.5
58	951-12072	Camshaft Assembly	80	710-04906	Oil Drain Plug
59	951-11374	Crankcase Cover Gasket	81	751-11498	Oil Seal 30×46×8
60	736-04545	Washer 16×24×0.5	142	951-11209	Gasket Kit - Complete (Incl. 52,59,65,79,81,107, 109,124,130-132)
61	951-11283	Oil Fill Plug Assembly			
62	951-11577	O-Ring	143	951-11210	Gasket Kit - External (Incl. 79,109,124,130-132)
64	951-12395	Crankcase Cover			
64	951-11228	Crankcase Cover Kit (Incl. 49,59,50,64-68)	144	952Z478-SUB	Complete Engine
65	951-11372	Oil Seal, 30×46×8			

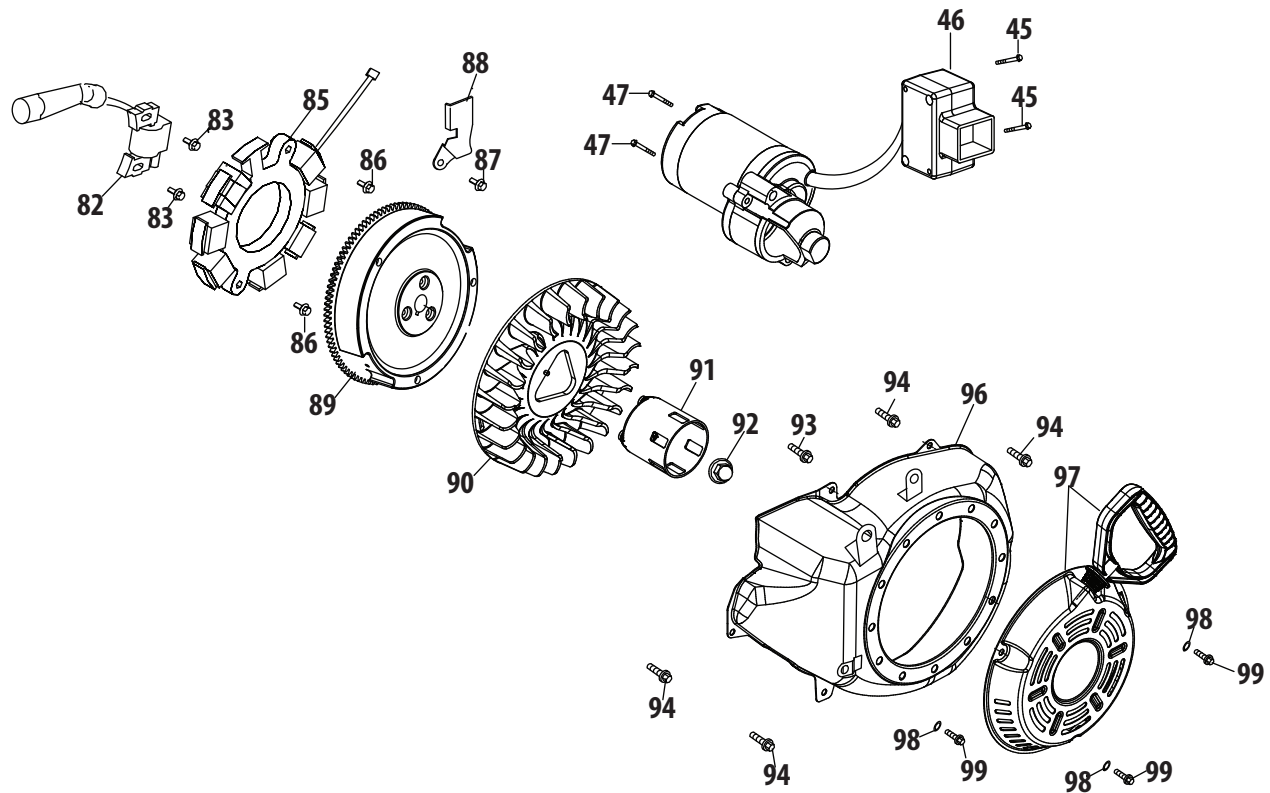
478-SUB Fuel Tank & Mounting



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
20	750-05313	Bushing
21	951-11201	Fuel Tank Assembly
22	951-11184	Governor Cover
23	951-11183	Rear Mainting Bracket Assy.
24	951-12385	Decorate Cover
25	710-04968	Bolt M6×16
26	736-04452	Bush
27	951-11200	Fuel Line Kit

Ref.	Part Number	Description
28	951-11700	Fuel Hose Clamp
29	710-04921	Bolt M8×14
30	951-11182	Gas Tank Support Bracket
32	712-04212	Nut M6
33	710-04908	Governor Arm Bolt
34	951-11231	Governor Arm
35	951-11202	Governor Spring
36	951-11203	Throttle Linkage Spring
37	951-11204	Throttle Linkage
38	951-11213	Primer Bracket
39	710-04915	Bolt, M6×12

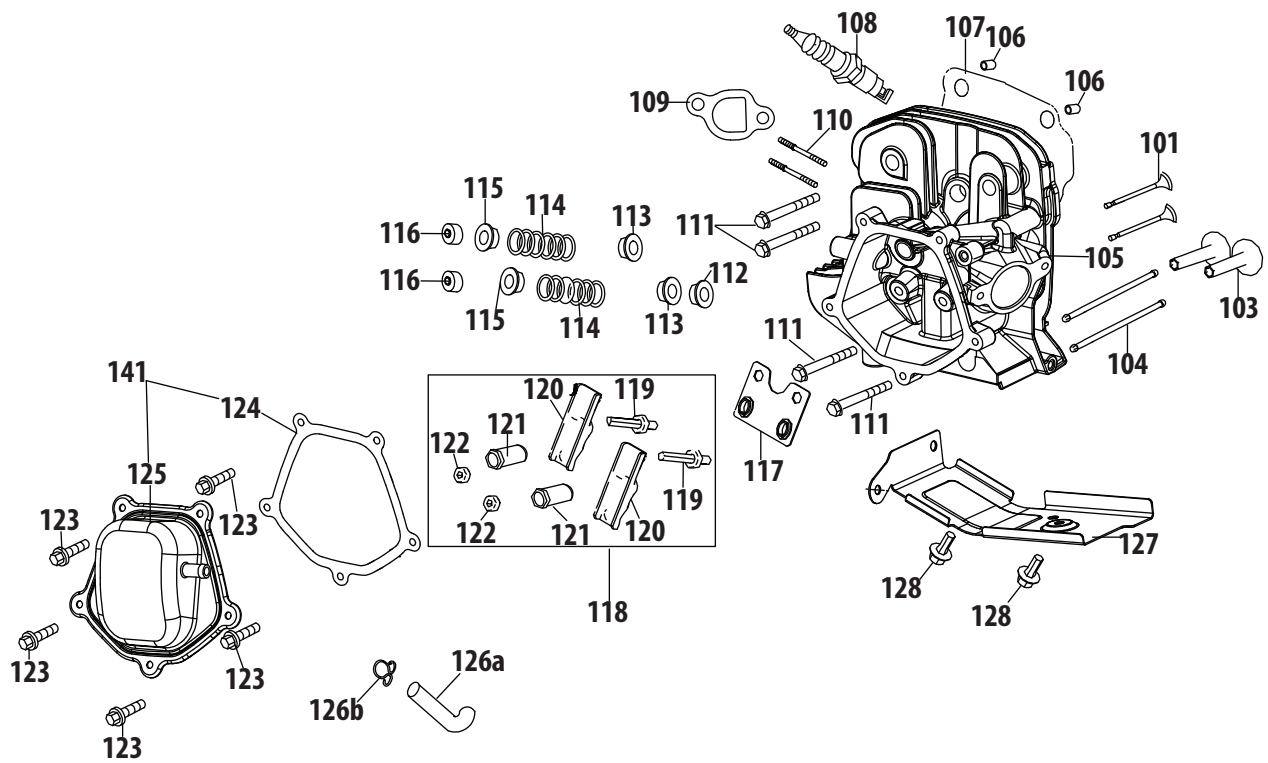
478-SUB Starting System & Blower Housing



Ref.	Part Number	Description
45	710-04965	Bolt M4x55
46	951-11196	Electric Starter
47	710-04967	Bolt M8x55
82	951-11498	Ignition Coil Assembly
83	951-11197	Ignition Coil Bolt
85	951-12553	Alternator Assembly
86	710-04969	Bolt M6x30
87	710-04966	Bolt M6x8
88	951-11186	Wire Plate
89	951-12090	Flywheel

Ref.	Part Number	Description
90	951-11217	Cooling Fan
91	951-11218	Starter Cup
92	712-04220	Nut, Special, M16x1.5
93	710-04968	Bolt M6x16
94	710-04915	Bolt M6x12
96	951-11379	Blower Housing
97	951-11208	Recoil Starter
98	736-04455	Gasket 6
99	710-04974	Bolt M6x10

478-SUB Cylinder Head



142 - Gasket Kit - Complete

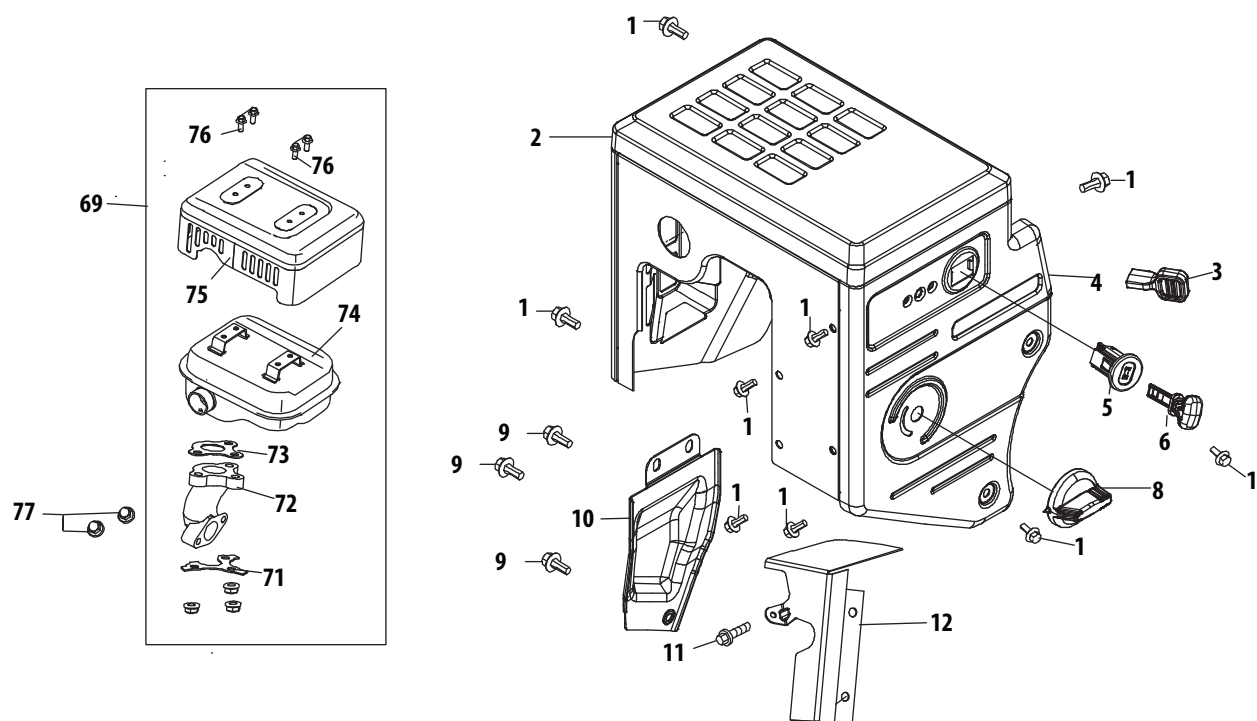
143 - Gasket Kit - External

144 - Complete Engine

478-SUB Cylinder Head

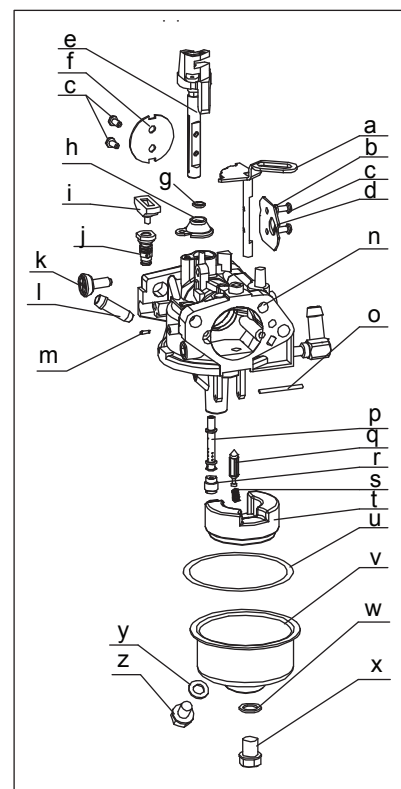
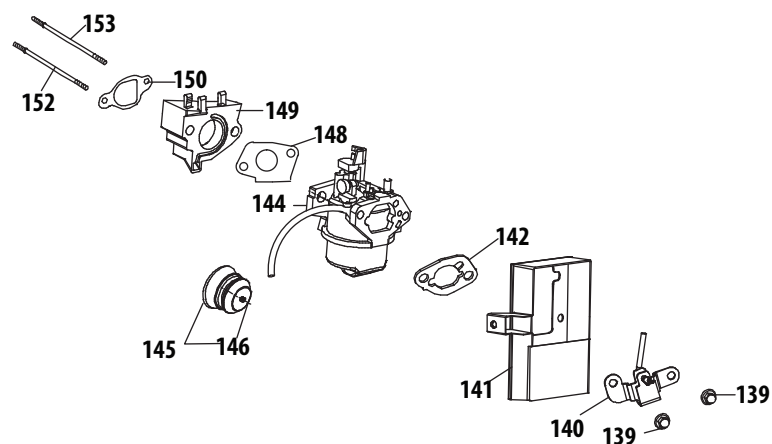
Ref.	Part Number	Description	Ref.	Part Number	Description
101	951-11198	Valve Kit	117	951-11965	Push Rod Guide
103	951-11962	Tappet	118	951-11981	Rocker Arm Assembly
104	951-11199	Push Rod Kit	119	710-04962	Bolt, Pivot
105	951-11226	Cylinder Head Kit (Incl.107,111,112,125)	120	951-11966	Rocker Arm
	951-11188	Cylinder Head Assembly (Incl.101,102,105,107, 109-122,124,129-132)	121	751-11123	Adjusting Nut ,Valve
106	715-04097	Dowel Pin 12×20	122	751-11124	Nut, Pivot Locking
107	951-12076	Gasket, Cylinder Head	123	710-05054	Valve Cover Bolt
108	951-10292	Spark Plug/F6Rtc	124	951-11967	Valve Cover Gasket
109	951-11212	Exhaust Pipe Gasket	125	951-11220	Valve Cover
110	710-04964	Stud M8×48.5	126a	731-07059	Breather Hose
110	951-11207	Muffler Stud Assembly	126b	726-04101	Breather Hose Clamp
111	710-04965	Bolt M10×1.25×80	127	951-11180	Air Shield
112	951-11964	Valve Seal (Intake)	128	710-04915	Bolt M6×12
113	951-12077	Valve Spring Retainer(Intake)	141	951-11333	Valve Cover Kit
114	951-12078	Valve Spring	142	951-11209	Gasket Kit - Complete (Incl. 52,59,65,79,81,107, 109,124,130-132)
115	951-12080	Valve Spring Retainer	143	951-11210	Gasket Kit - External (Incl. 79,109,124,130-132)
116	951-12081	Exhaust Lash Cap	144	952Z478-SUB	Complete Engine

Engine Model 483-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

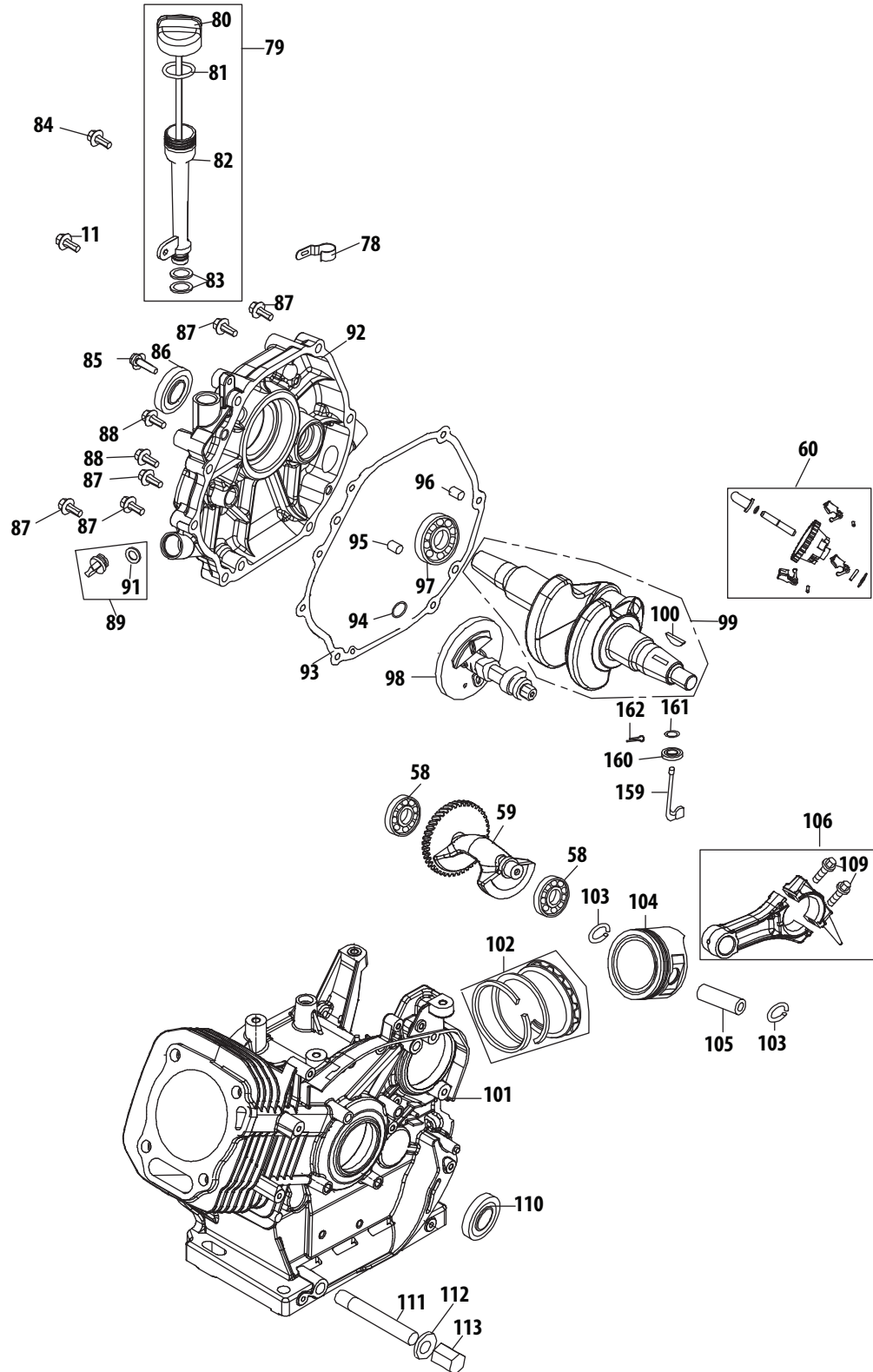
Ref.	Part Number	Description
12	951-11321	CARB ISOLATOR BRACKET
69	951-11338	MUFFLER ASSEMBLY
71	908-05052	GASKET
72	919-05064	EXHAUST PIPE
73	921-04670	GASKET, MUFFLER
74	908-05020	MUFFLER BODY
75	908-05051	MUFFLER GUARD
76	710-05051	BOLT
77	712-05059	NUT M8



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
144	951-05273	CARBURETOR ASSEMBLY
145	951-10639A	PRIMER ASSEMBLY
146	951-11824	PRIMER
148	951-11223	CARBURETOR GASKET
149	951-11316	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	n/a	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
g	n/a	GASKET

Ref.	Part Number	Description
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

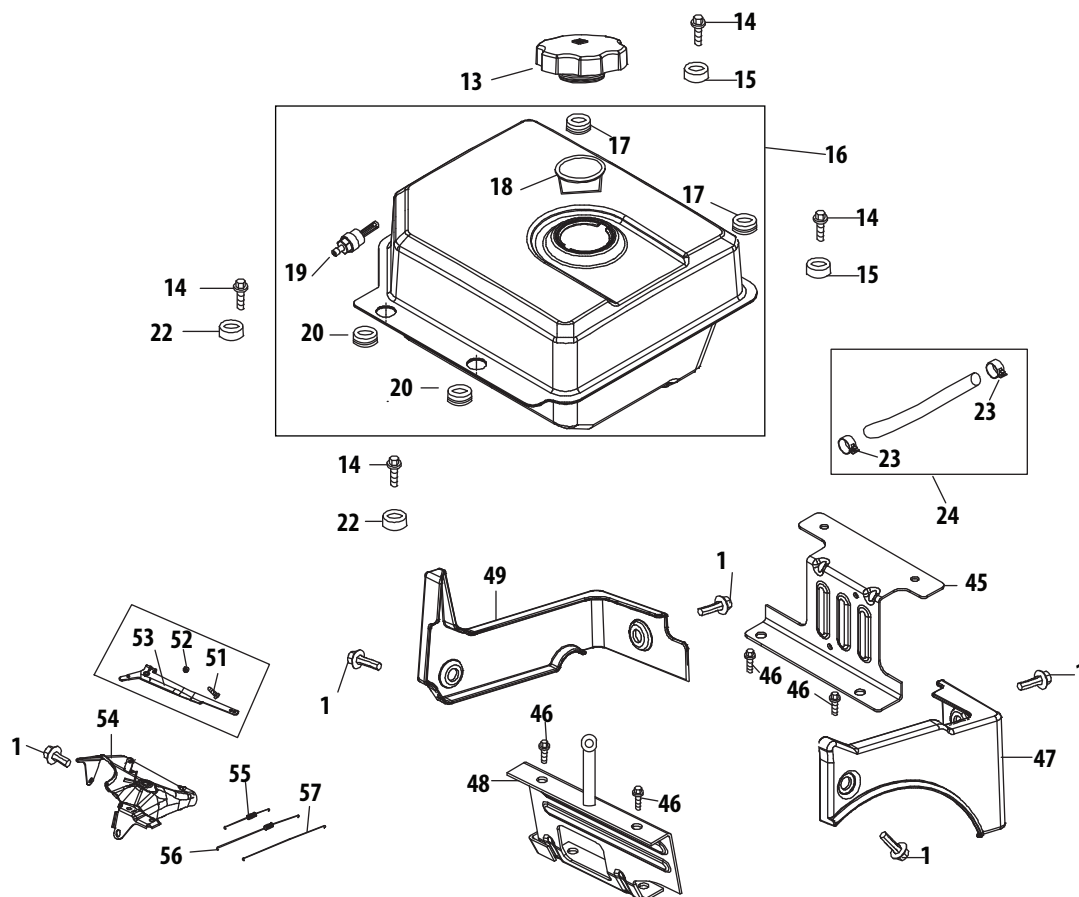
483-SUC Crankcase



Ref.	Part Number	Description
58	951-11373	RADIAL BALL BEARING 6202-P6
59	951-11968	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	751-14218	CRANKSHAFT ASSEMBLY
100	951-10307	WOODRUFF KEY
101	751-14221	CRANKCASE COMP.
102	951-12579	PISTON RING SET
103	951-11953	PISTON PIN SNAP RING
104	951-11952	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
	952Z483-SUC	COMPLETE ENGINE

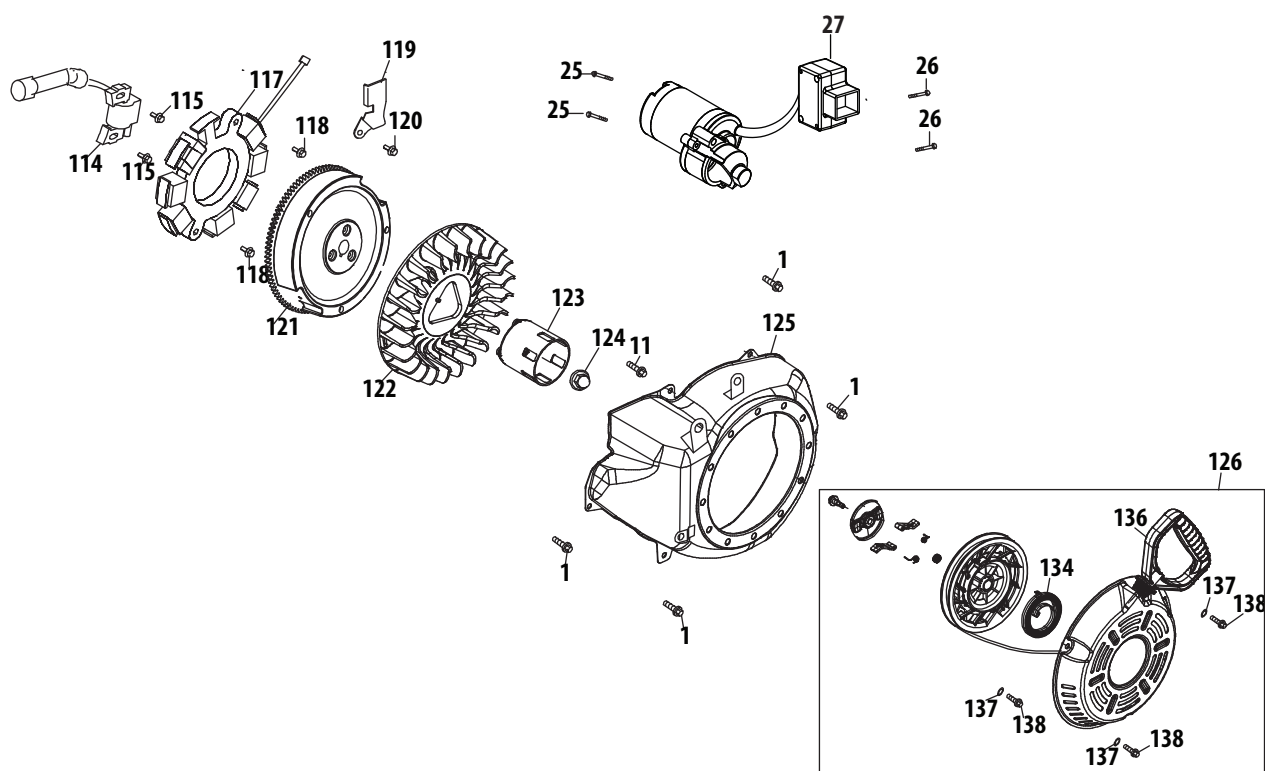
483-SUC Fuel Tank & Mounting



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

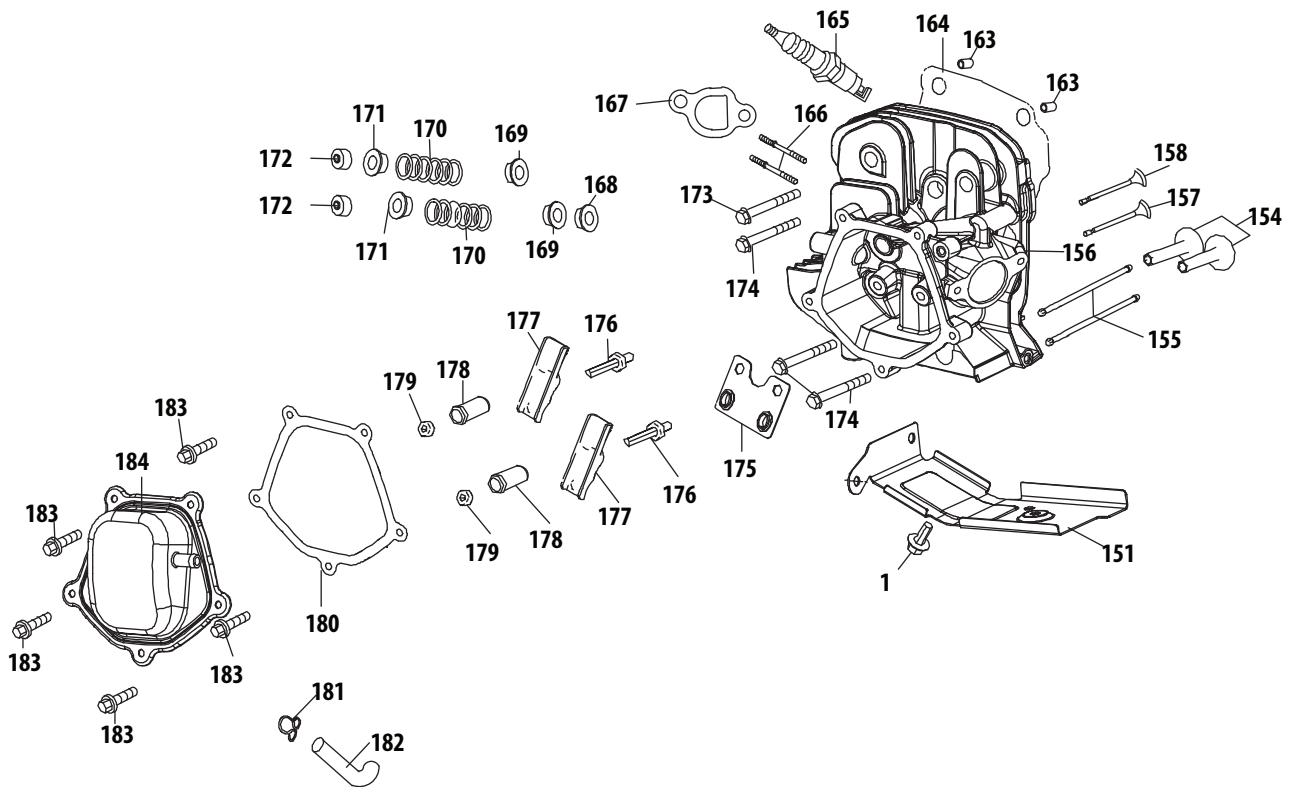
483-SUC Starter & Blower Housing



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 φ6
138	710-04974	BOLT M6×10

483-SUC Cylinder Head

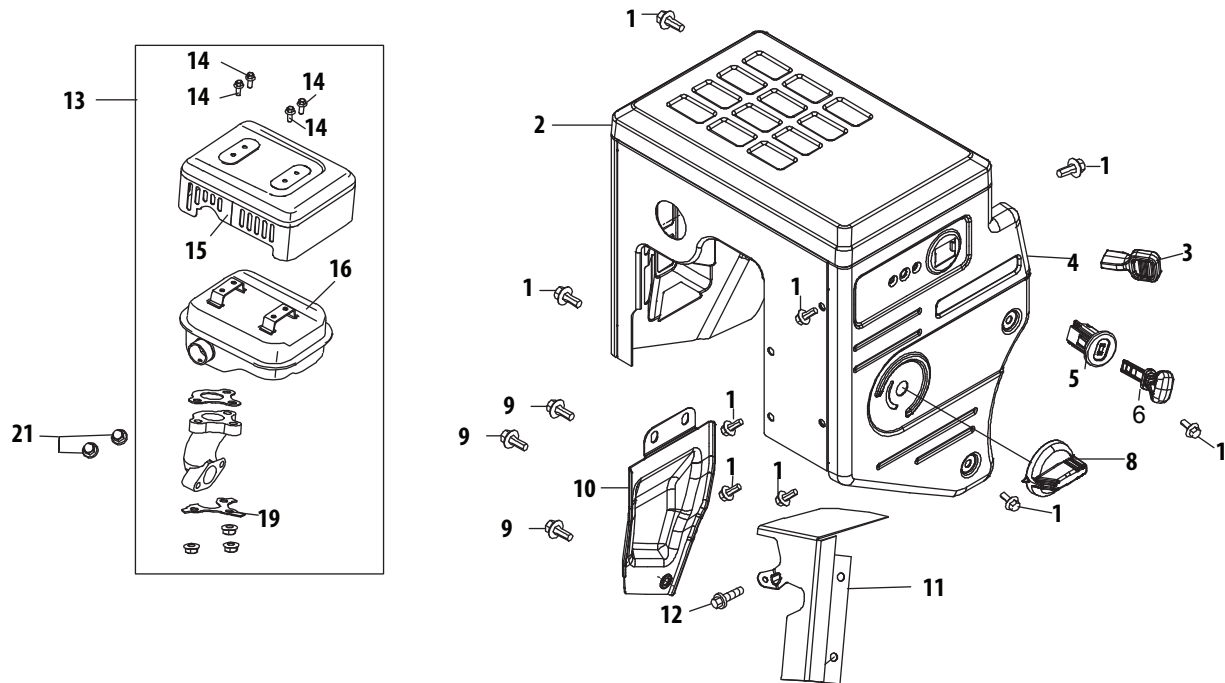


483-SUC Cylinder Head

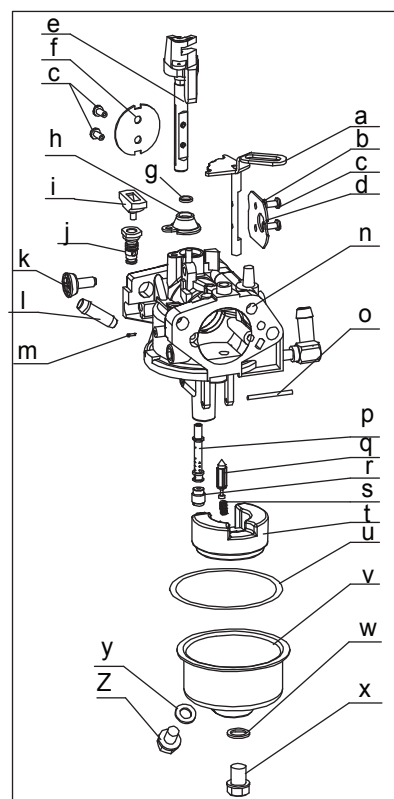
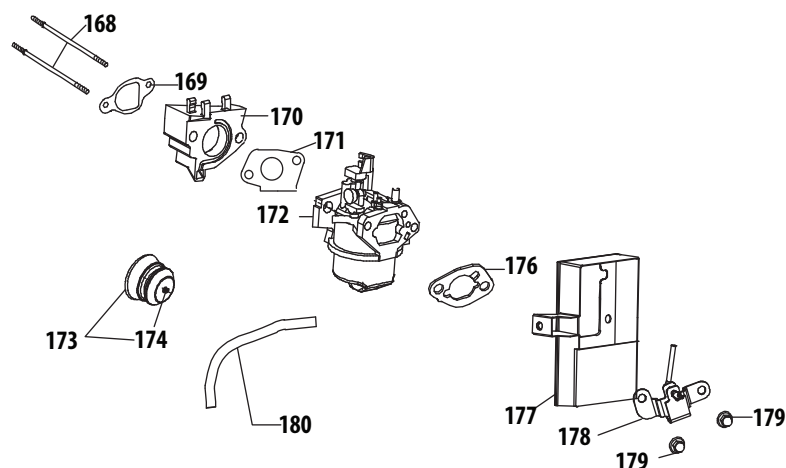
Ref.	Part Number	Description
1	710-04915	BOLT M6×12
154	951-11962	TAPPET
155	751-14226	PUSH ROD
156	751-14207	CYLINDER HEAD
157	751-14225	INTAKE VALVE
158	751-14224	EXHAUST VALVE
159	951-11365	GOVERNOR ARM SHAFT
160	951-11958	GOVERNOR SEAL
161	736-04453	WASHER 8×20×0.8
162	714-04077	COTTER PIN
163	715-04097	DOWEL PIN 12×20
164	951-11963	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
	952Z483-SUC	COMPLETE ENGINE

Engine Model 478-SUC Muffler & Controls



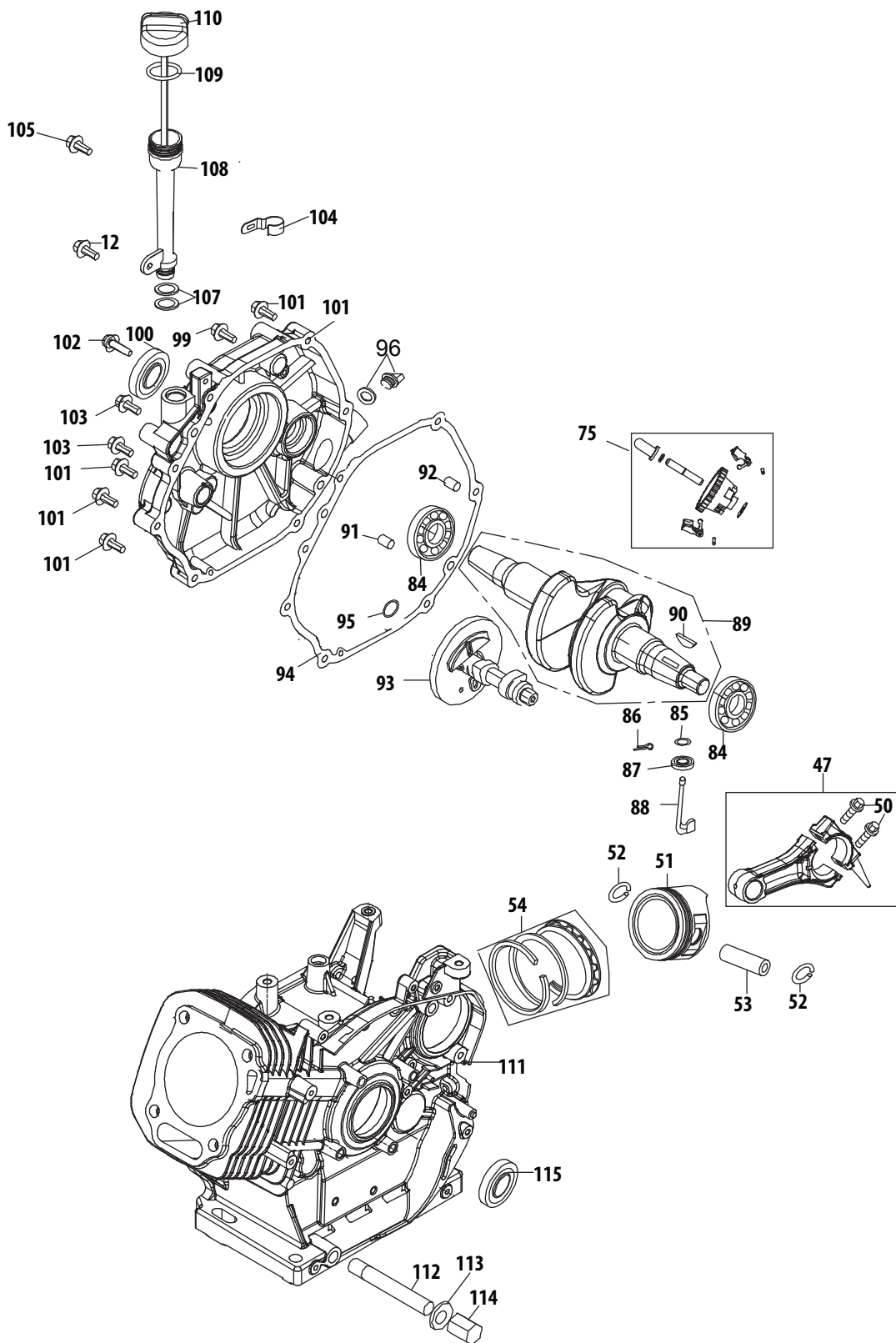
Ref.	Part Number	Description
1	710-04915	BOLT M6×12
2	951-11194	MUFFLER SHIELD
3	951-10757	THROTTLE CONTROL KNOB
4	951-11594	CONTROL PANEL
5	951-10637	ENGINE SWITCH BASE
6	951-10630	KEY
8	951-11302	CHOKE KNOB
9	710-04914	BOLT M6×10
10	951-11181	EXHAUST PIPE SHIELD
11	951-11227	CARB ISOLATOR BRACKET
12	710-04968	BOLT M6×16
13	951-11195	MUFFLER ASSEMBLY
14	710-05051	BOLT
15	908-05051	MUFFLER GUARD
16	908-05020	MUFFLER BODY
19	908-05052	GASKET
21	712-05059	NUT, M8



Ref.	Part Number	Description
168	710-04963	STUD M6-8x104
169	951-11225	CARBURETOR INSULATOR GASKET
170	951-11222	CARBURETOR INSULATOR
171	951-11223	CARBURETOR GASKET
172	951-05275	CARBURETOR ASSEMBLY
173	951-10639A	PRIMER ASSEMBLY
174	951-11824	PRIMER
176	751-14980	GASKET,AIR CLEANER
177	751-14728	HEATER BOX
178	951-11192	CHOKE CONTROL
179	712-05015	NUT M6
180	751-14983	FUEL HOSE 3.2x6.5x240
172	951-05275	CARBURETOR ASSEMBLY
a	n/a	CHOKE SHAFT
b	736-04638	LOCK WASHER
c	710-05469	SCREW M3x6
d	n/a	CHOKE PLATE
e	n/a	THROTTLE SHAFT
f	n/a	THROTTLE PLATE
g	n/a	GASKET

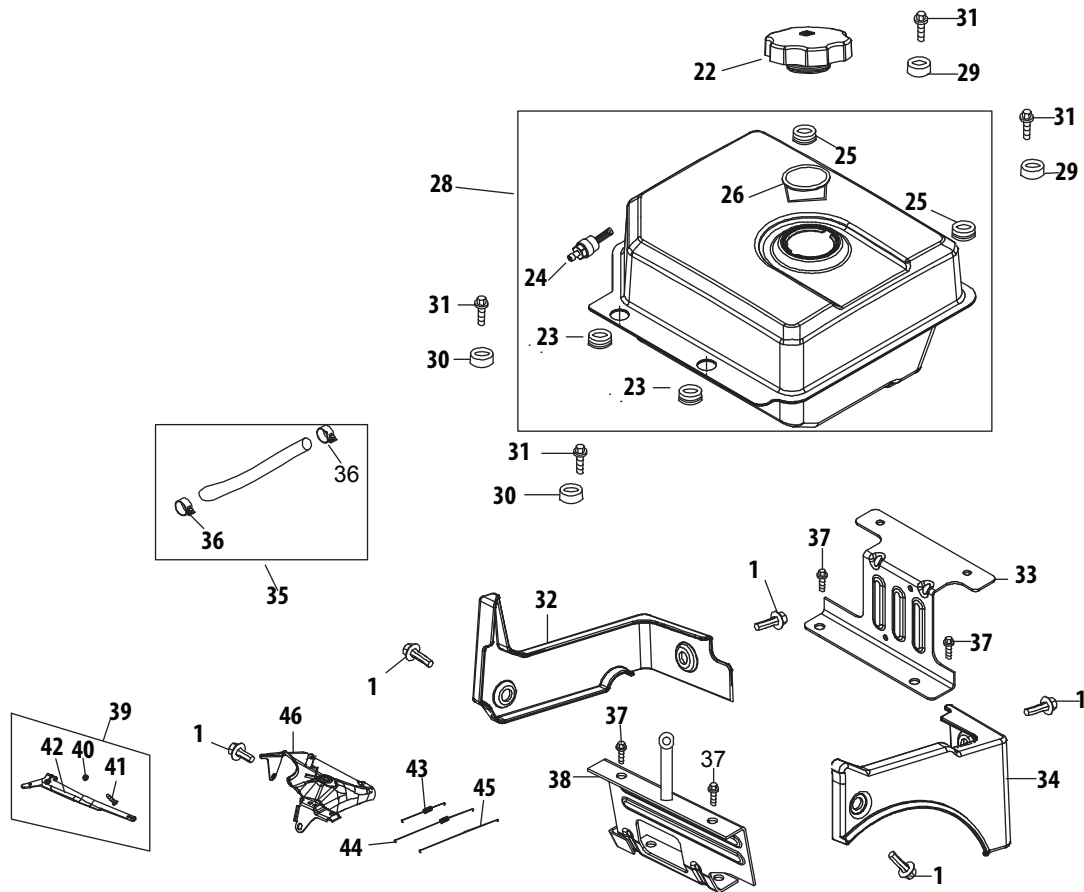
Ref.	Part Number	Description
h	n/a	THROTTLE SHAFT COVER
i	n/a	IDLE JET RIVET
j	n/a	IDLE JET ASSEMBLY
k	n/a	IDLE SPEED ADJUSTING SCREW
l	n/a	WASTE PIPE
m	n/a	PRIMER PIPE
n	n/a	CARBURETOR BODY
o	n/a	FLOAT PIN
p	n/a	EMULSION TUBE
q	n/a	NEEDLE VALVE
r	n/a	MAIN JET
s	n/a	NEEDLE VALVE SPRING
t	n/a	FLOAT
u	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

478-SUC Crankcase



Ref.	Part Number	Description	Ref.	Part Number	Description
47	951-12066	CONNECTING ROD ASSEMBLY	96	651-05020A	DIPSTICK ASSEMBLY
50	710-05319	CONNECTING ROD BOLT	99	951-12395	CRANKCASE COVER
51	951-12043	PISTON	100	951-11372	OIL SEAL, 30x46x8
52	951-11632	PISTON PIN SNAP RING	101	710-06061	BOLT M8x38
53	951-12044	PISTON PIN	102	710-06289	BOLT M8x45
54	951-12387	PISTON RING SET	103	710-06063	BOLT M8x35
75	751-12068	GOVERNOR GEAR	104	951-11320	DIPSTICK CLAMP
84	951-12069	RADIAL BALL BEARING	105	710-05349	BOLT M6x8
85	736-04453	WASHER 8x20x0.8	106	631-05032A	DIPSTICK ASSEMBLY
86	714-04077	COTTER PIN	107	951-11381	OIL FILL TUBE O-RING
87	951-11958	GOVERNOR SEAL	108	731-09317	OIL FILL TUBE
88	951-12071	GOVERNOR ARM SHAFT	109	921-04663	DIPSTICK O-RING
89	751-14201	CRANKSHAFT ASSEMBLY	110	731-09316	DIPSTICK
90	951-10307	WOODRUFF KEY	111	751-14202	CRANKCASE COMP.
91	715-04102	DOWEL PIN 9x12	112	951-11350	OIL DRAIN PIPE
92	715-04092	DOWEL PIN 7x14	113	736-04440	WASHER 10x16x1.5
93	751-12072A	CAMSHAFT ASSEMBLY	114	951-11499	OIL DRAIN PLUG
94	951-11374	CRANKCASE COVER GASKET	115	951-11498	OIL SEAL 30x46x8
95	736-04545	WASHER 16x24x0.5		952Z478-SUC	COMPLETE ENGINE

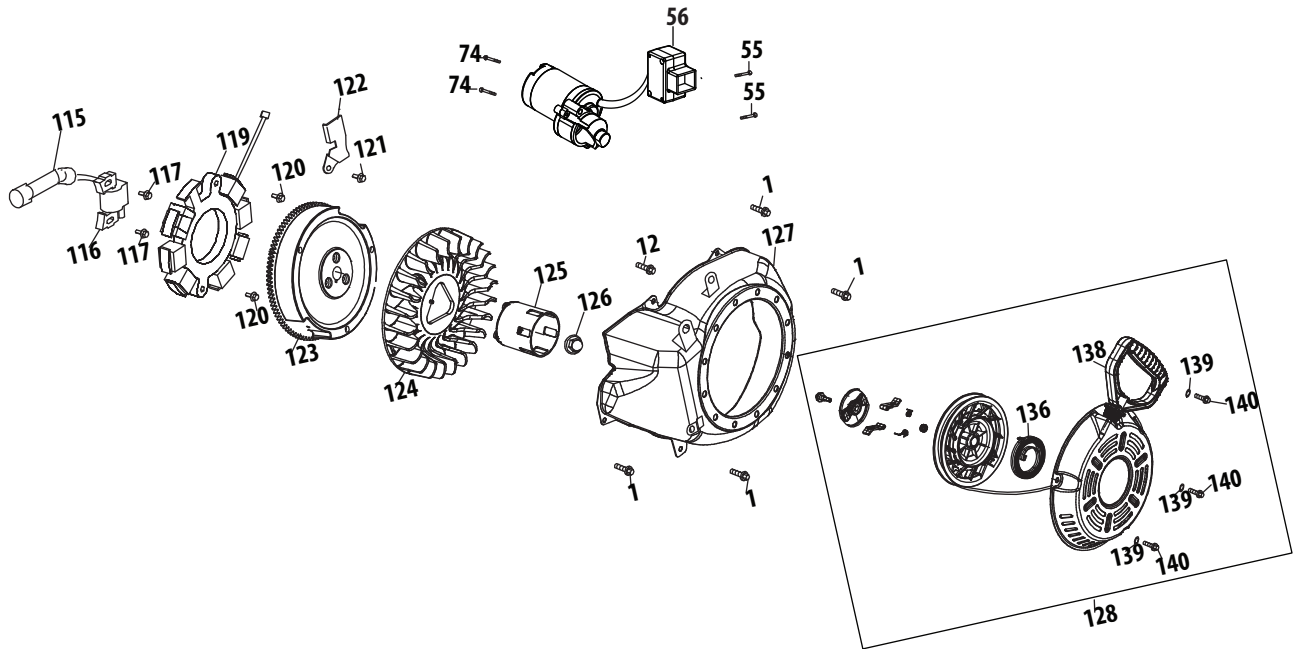
478-SUC Fuel Tank & Mounting



Ref.	Part Number	Description
22	951-12533	FUEL CAP ASSEMBLY
23	736-04451	VIBRATION PAD
24	951-10651	DRAIN PIPE
25	736-04450	VIBRATION PAD
26	951-11933	FUEL LEVEL INDICATOR
28	951-11201	FUEL TANK ASSEMBLY
29	750-05312	BUSH, GAS TANK
30	750-05313	BUSH, GAS TANK
31	710-04970	BOLT M8×20
32	951-11184	GOVERNOR COVER
33	951-11183	REAR MAINTING BRACKET ASSY.
34	951-12385	DECORATE COVER

Ref.	Part Number	Description
35	951-11200	FUEL HOSE
36	951-11700	FUEL HOSE CLAMP
37	710-04921	BOLT M8×14
38	951-11182	GAS TANK SUPPORT BRACKET
39	951-14200	GOVERNOR LEVER
40	712-05015	NUT M6
41	710-04908	GOVERNOR ARM BOLT
42	951-14200	GOVERNOR ARM
43	951-11202	GOVERNOR SPRING
44	951-11203	THROTTLE LINKAGE SPRING
45	951-11204	THROTTLE LINKAGE
46	951-11213	PRIMER BRACKET

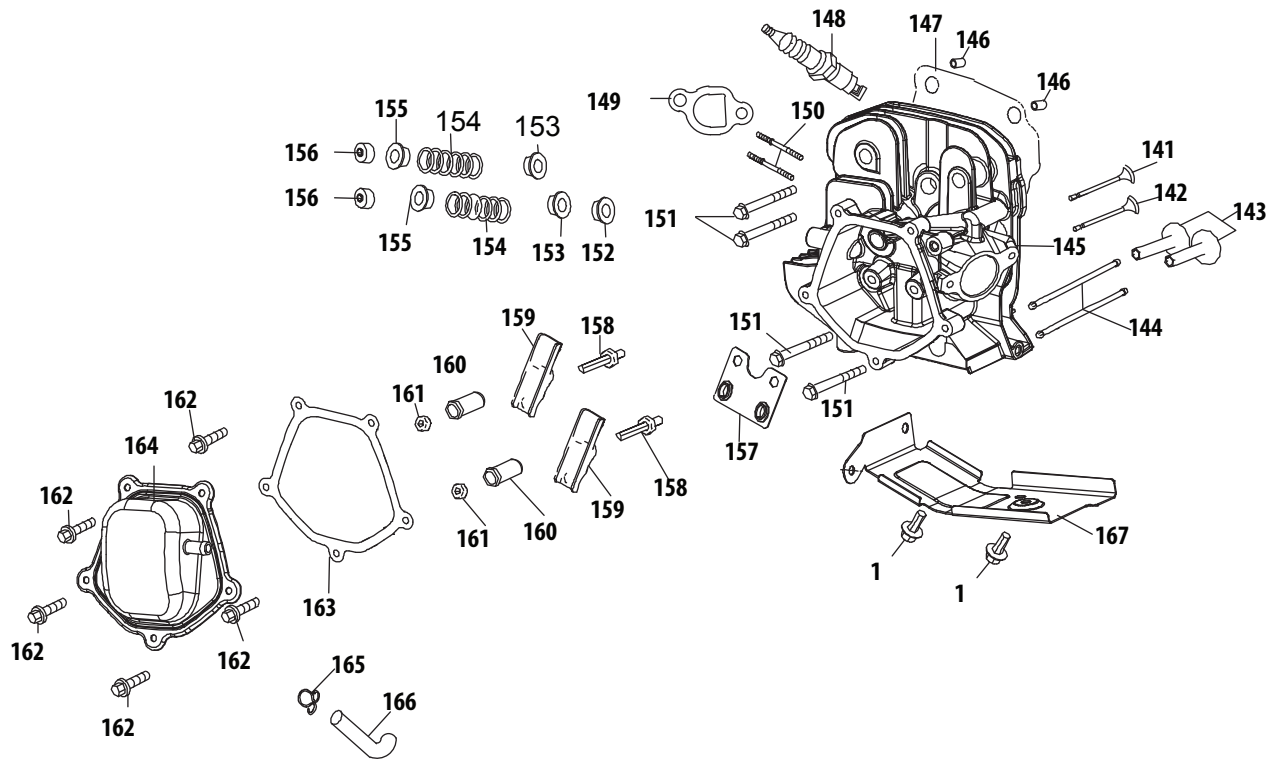
478-SUC Starter & Blower Housing



Ref.	Part Number	Description
1	710-04915	BOLT M6×12
12	710-04968	BOLT M6×16
55	710-04965	BOLT M4×55
56	951-11196	ELECTRIC STARTER
74	710-04967	BOLT M8×55
116	751-11197A	IGNITION COIL ASSEMBLY
117	710-05350	IGNITION COIL BOLT
119	951-12555	ALTERNATOR ASSEMBLY
120	710-04969	BOLT M6×30
121	710-04966	BOLT M6×8

Ref.	Part Number	Description
122	951-11186	WIRE PLATE
123	951-12090	FLYWHEEL
124	951-11217	COOLING FAN
125	951-11218	STARTER CUP
126	712-04220	NUT, SPECIAL, M16×1.5
127	951-11379	BLOWER HOUSING
128	951-11208	RECOIL STARTER
136	932-05127	RECOIL SPRING
138	731-05696	STARTER HANDLE
139	736-04455	GASKET φ6

478-SUC Cylinder Head

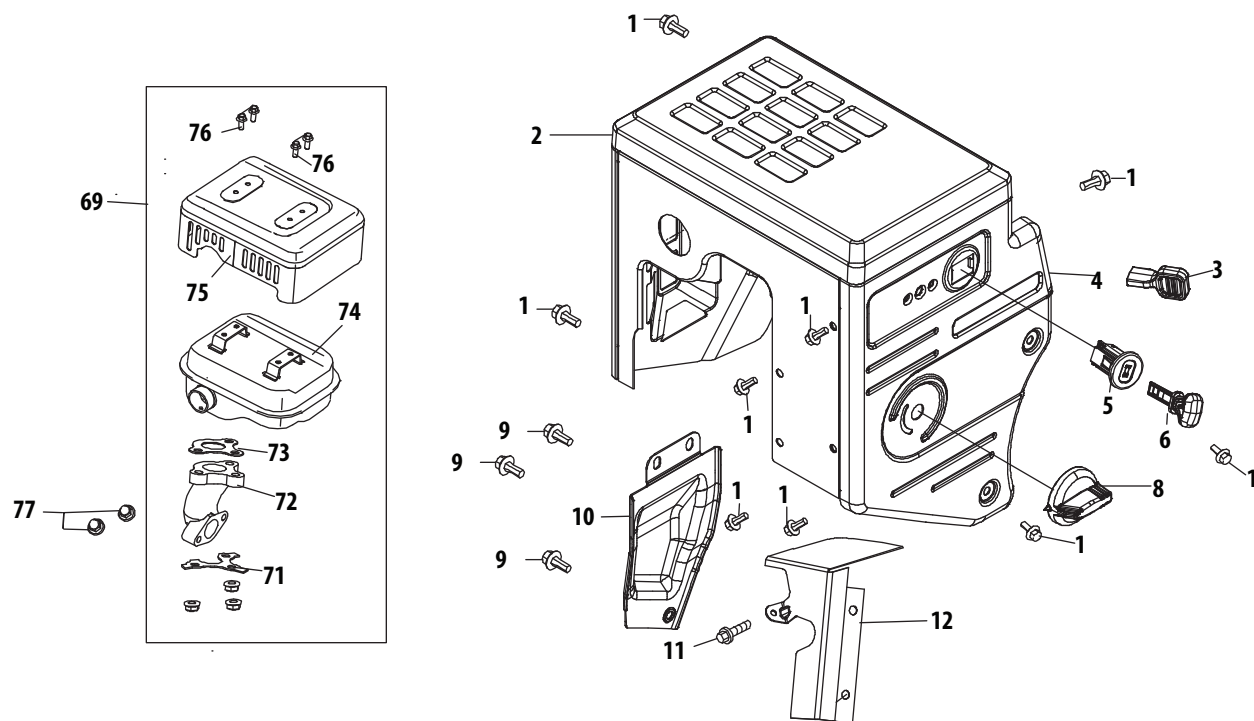


478-SUC Cylinder Head

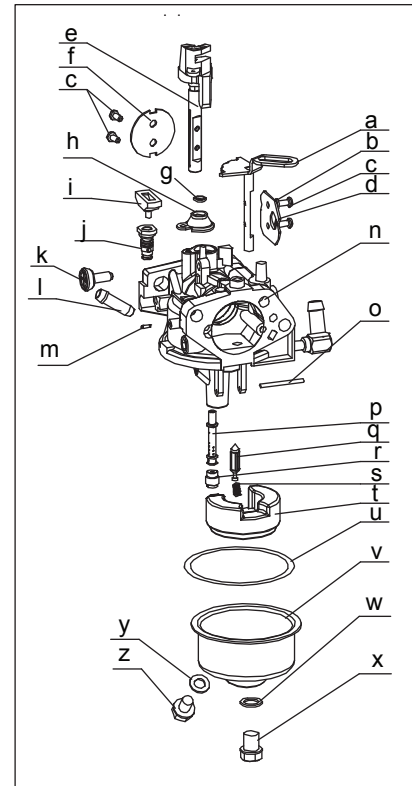
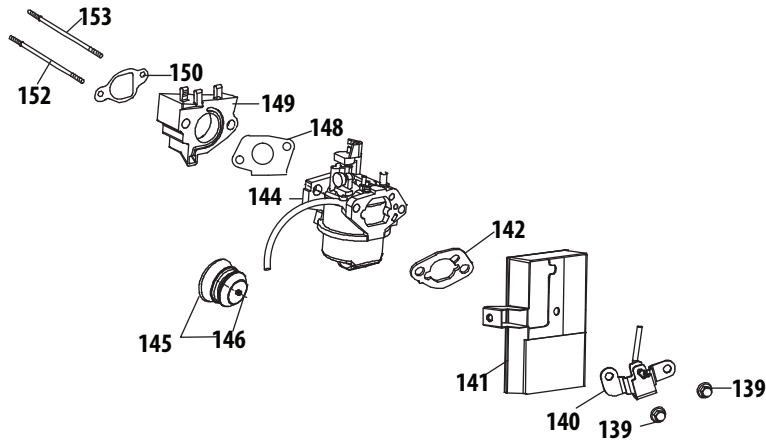
Ref.	Part Number	Description
1	710-04915	BOLT M6×12
141	751-14204	EXHAUST VALVE
142	751-14203	INTAKE VALVE
143	951-11962	TAPPET
144	751-14205	PUSH ROD
145	751-14206	CYLINDER HEAD
146	715-04097	DOWEL PIN 12×20
147	951-12076	GASKET, CYLINDER HEAD
148	951-10292	SPARK PLUG/F6RTC
149	951-11212	EXHAUST PIPE GASKET
150	710-04964	STUD M8×48.5
151	710-04965	BOLT M10×1.25×80
152	951-11964	VALVE SEAL (INTAKE)
153	951-12077	VALVE SPRING RETAINER(INTAKE)

Ref.	Part Number	Description
154	951-12078	VALVE SPRING
155	951-12080	VALVE SPRING RETAINER
156	951-12081	EXHAUST LASH CAP
157	951-11965A	PUSH ROD GUIDE
158	710-04962	BOLT, PIVOT
159	951-11966	ROCKER ARM
160	751-11123	ADJUSTING NUT ,VALVE
161	751-11124	NUT, PIVOT LOCKING
162	710-05054	VALVE COVER BOLT
163	951-11967	VALVE COVER GASKET
164	951-11220	VALVE COVER
165	726-04101	BREATHER HOSE CLAMP
166	751-14982	BREATHER HOSE
167	951-11180	AIR SHIELD

Engine Model 490-WUA Muffler & Controls



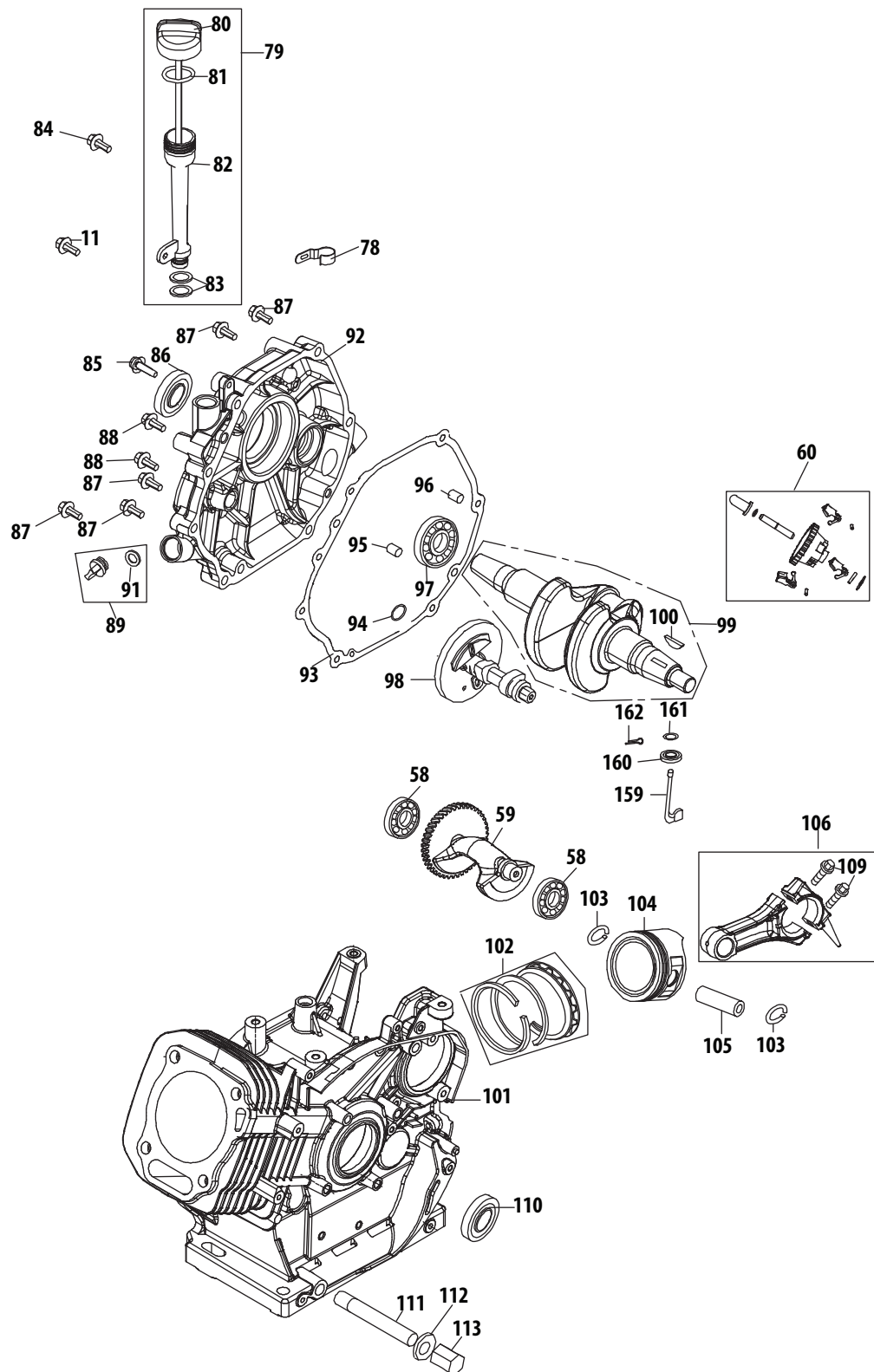
Ref.	Part Number	Description
1	710-04915	BOLT M6×12
2	951-11339	MUFFLER SHIELD
3	951-10757	THROTTLE CONTROL KNOB
4	951-11595	CONTROL PANEL
5	951-10637	ENGINE SWITCH BASE
6	951-10630	KEY
8	951-11302	CHOKE KNOB
9	710-04914	BOLT M6×10
10	951-11181	EXHAUST PIPE SHIELD
11	710-04968	BOLT M6×16
12	951-11321	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	n/a	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

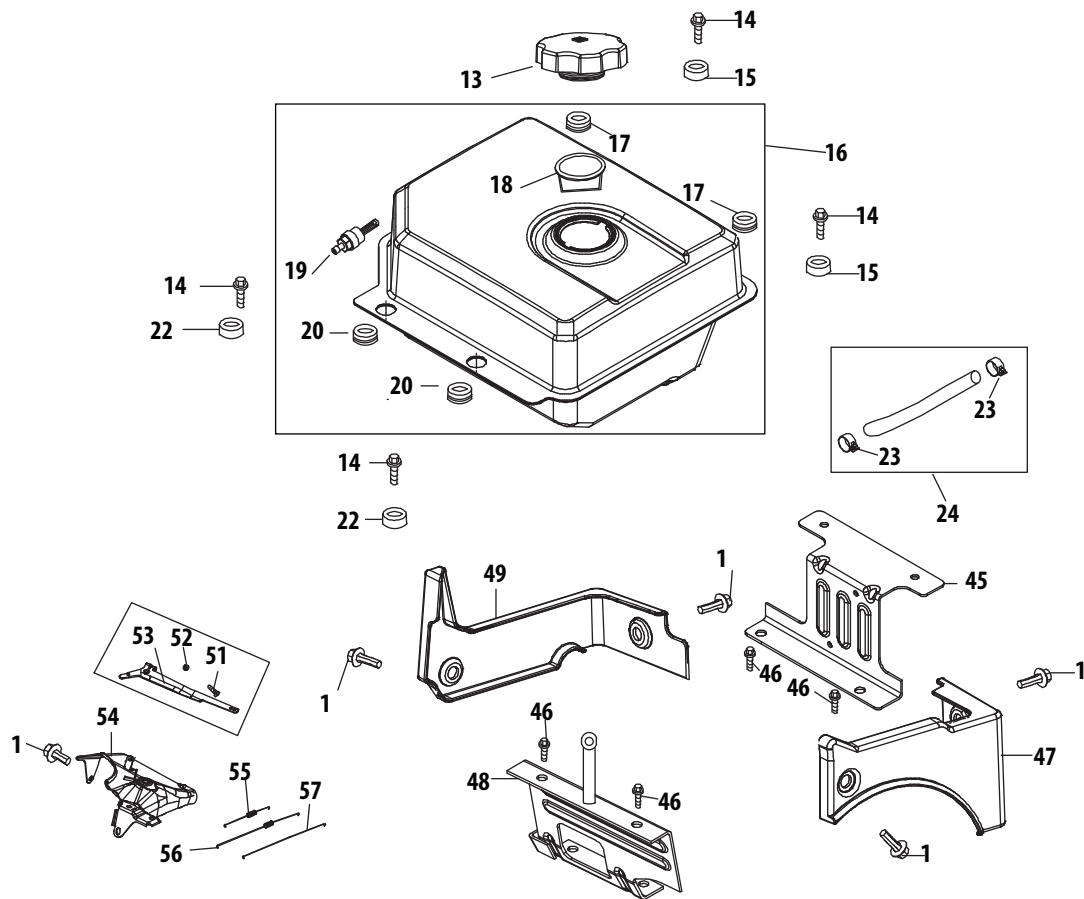
490-WUA Crankcase



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	651-05095	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-WUA	COMPLETE ENGINE

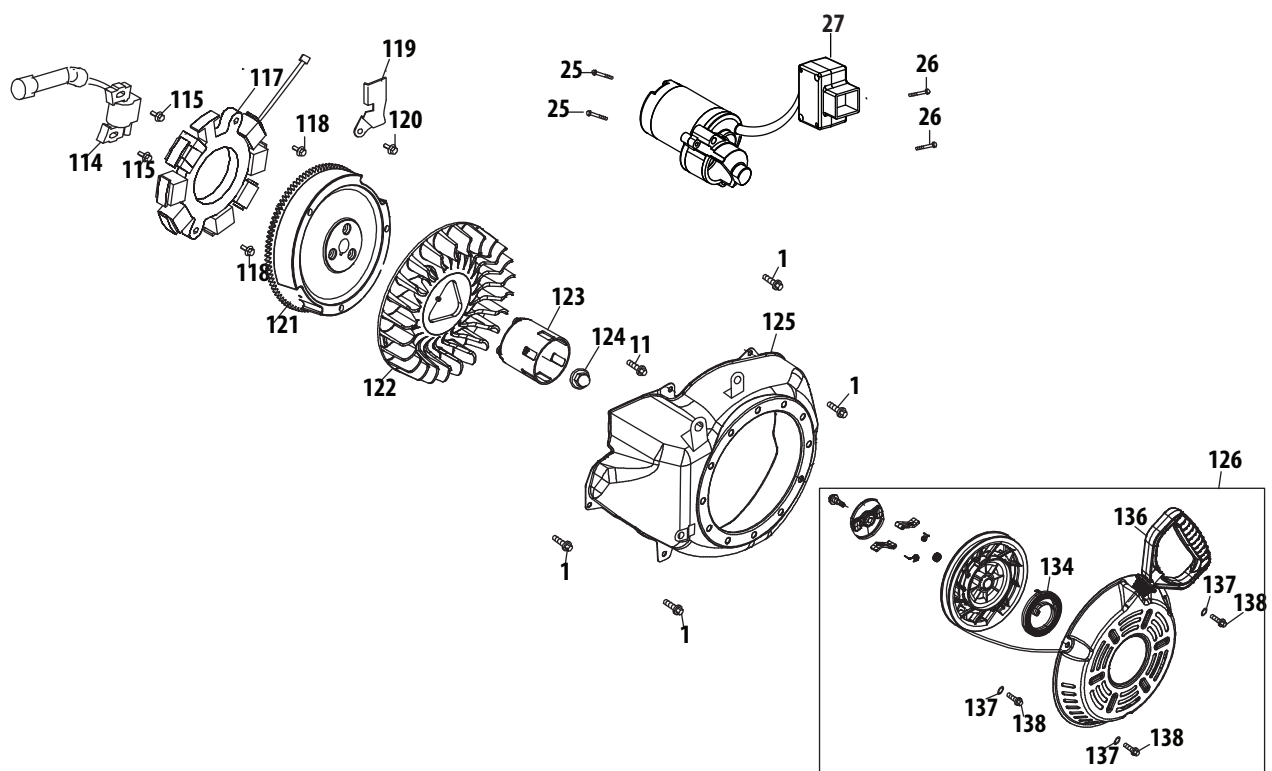
490-WUA Fuel Tank & Mounting



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

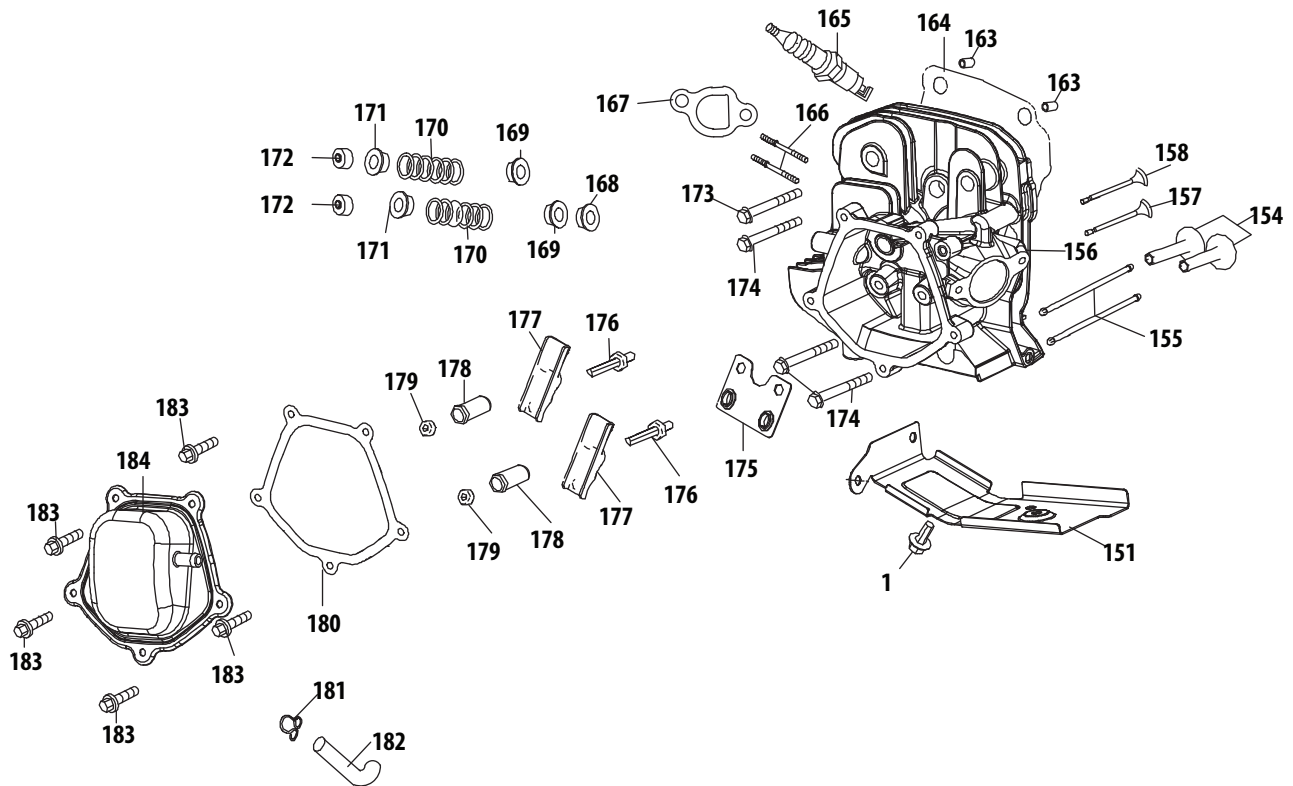
490-WUA Starter & Blower Housing



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-WUA Cylinder Head



490-WUA 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-WUA	COMPLETE ENGINE

This image shows a blank sheet of white paper designed for note-taking. On the far left, there is a narrow vertical column defined by two thin black lines. Inside this column, the word "Notes" is written at the top in a bold, black, sans-serif font. The rest of the page is filled with horizontal black lines, creating a series of rows for writing. These lines are evenly spaced and extend across the entire width of the page.

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