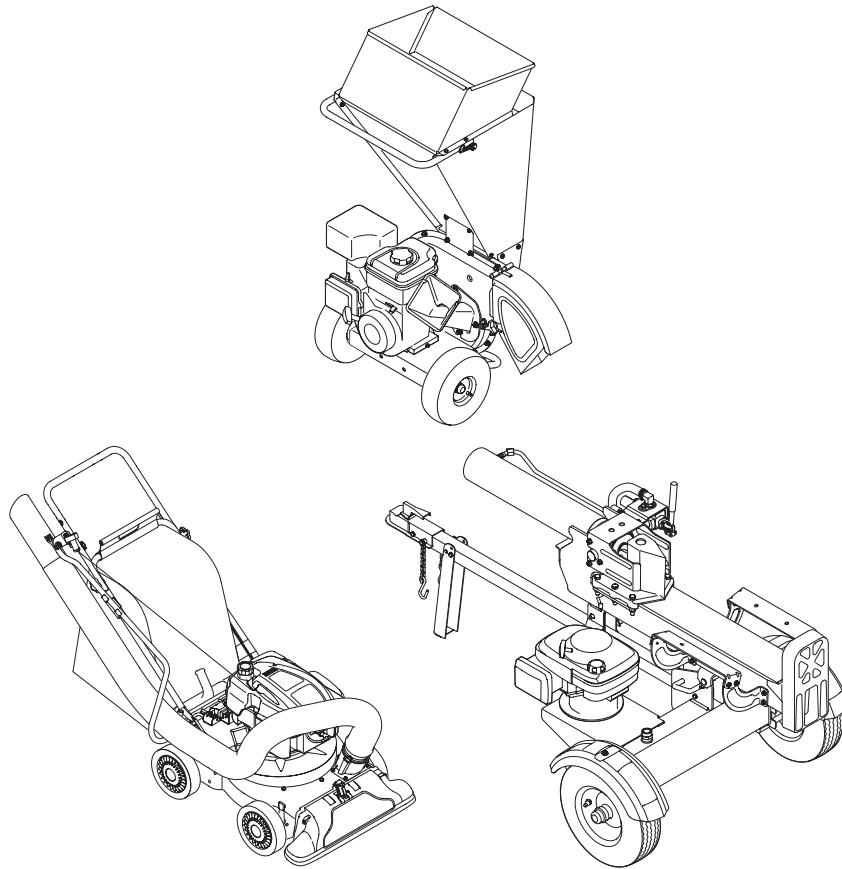


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# ILLUSTRATED PARTS MANUAL



## Fall / Winter Chore Performers

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

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# To The Owner

## Thank You

Thank you for purchasing an MTD Chore Performer. 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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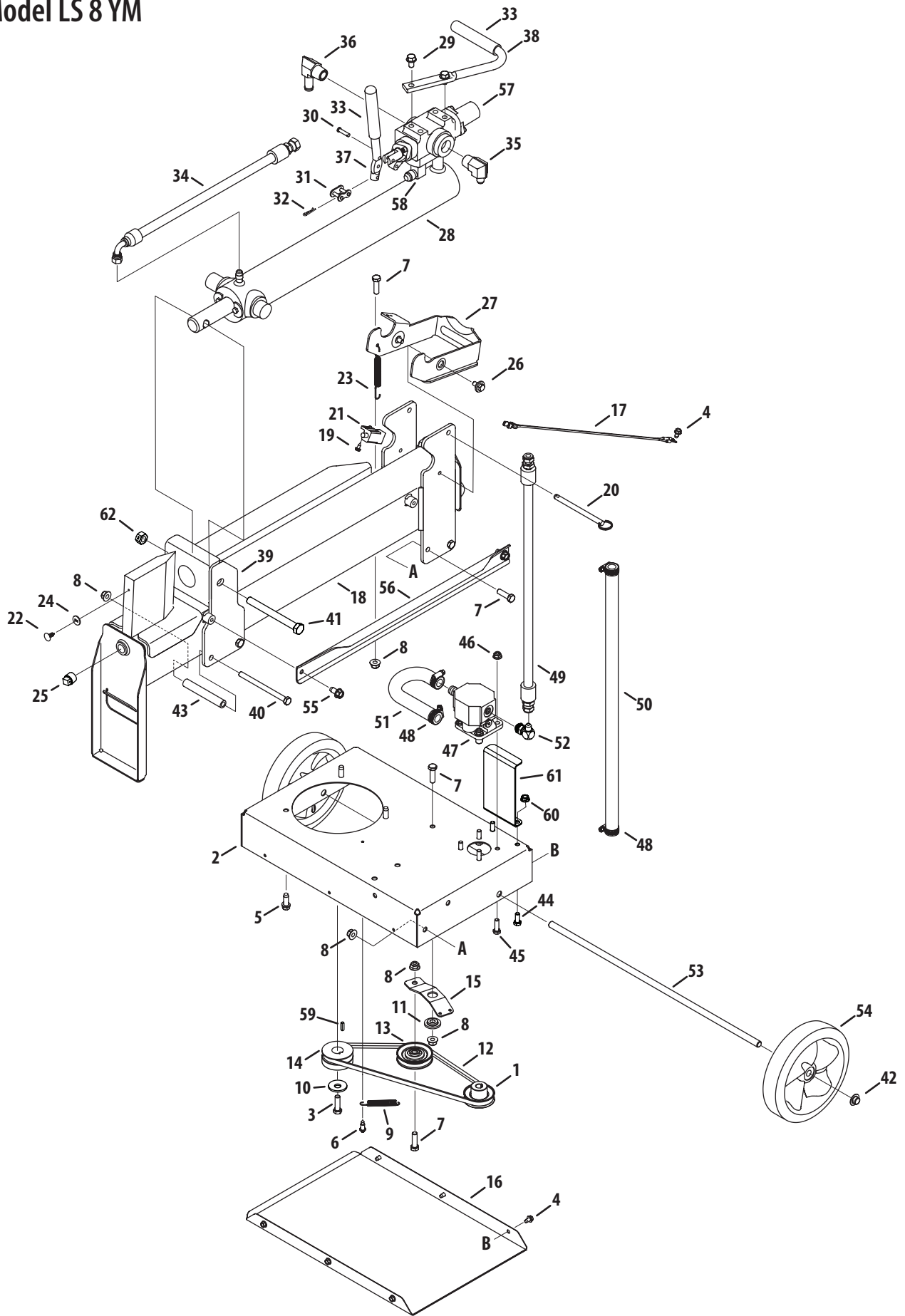
## Painted Parts

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	0674	Yellow (Yard-Man)
0709	Dark Green (Bolens, Yard-Man)	0650	Metallic Red (White Outdoor)
0662	Oyster Gray (MTD Gold)	0629	Silver Flake (MTD Platinum)
0638	Red (Yard Machines, Huskee, Troy-Bilt, MTD)	04038	Day Orange (Daedong)
0691	Black Jack (MTD Gold, MasterCut)	04033	Flint Mica (Troy-Bilt XP)

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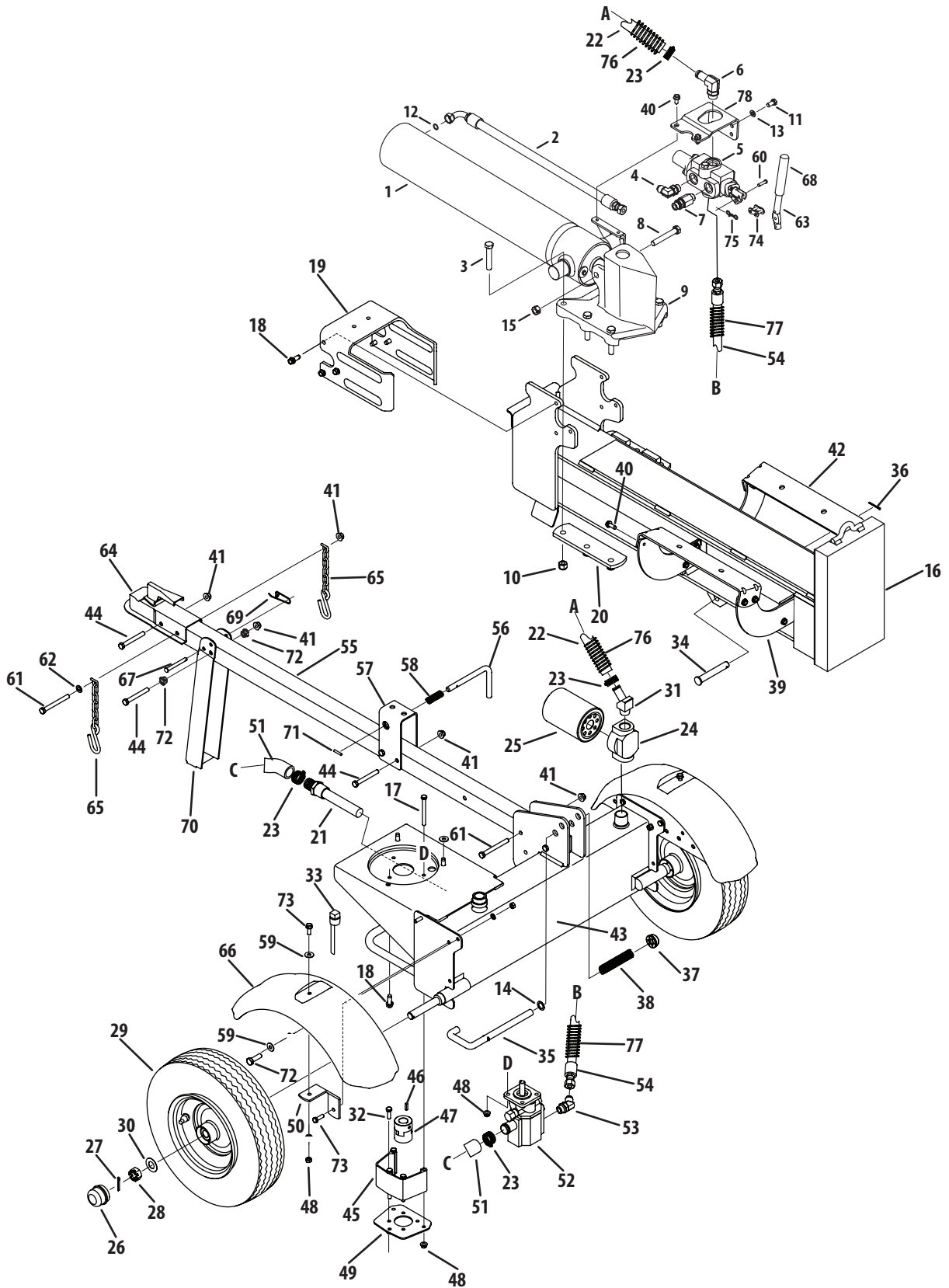
# Model LS 8 YM



Ref.	Part Number	Description
1	656-04037	Pulley .50 ID x 2.38 OD
2	681-04065A	Frame Assembly
3	710-0191	Hex Screw 3/8-24 x 1.25
4	710-0653	Hex Washer Screw, 1/4-20 x .375
5	710-0654A	Hex Washer Screw, 3/8-16 x .88
6	710-1650	Self-tapping Screw, 5/16-18 x .875
7	710-3005	Hex Bolt 3/8-16 x 1.25
8	712-04065	Flange Lock-Nut 3/8-16, Nylon
9	732-04217	Extension Spring .375 x 2.95
10	936-0452	Belleville Washer
11	748-04125	Shoulder Spacer .30 x .46
12	754-04128	Belt, V-Type, 3L, 33.92" Lg.
13	756-04133	Pulley, V-idler, 2 x 2.75 x .625-3L
14	756-04304	Idler Pulley
15	781-04132	Belt Idler Bracket
16	781-04161	Belt Cover
17	629-04161	Harness, Interlock
18	681-04064	Tank Assembly
19	738-04237A	Shoulder Screw #10-16 x .50
20	711-04772	Pin, locking
21	725-04363	Switch, Interlock
22	726-3046	Foot Pad Clips (Not Shown)
23	732-04085	Extension Spring .480 OD x 5.0
24	736-04178A	Washer, slotted, felt
25	737-04148	Drain Plug
26	738-0930	Shoulder Bolt
27	781-04168	Bracket, Lock, Cylinder
28	918-04241	Cylinder
29	710-0870	Hex Tap Screw, 3/8-16 x .62
30	711-04585	Clevis Pin
31	913-04036	Link, Handle, Valve

Ref.	Part Number	Description
32	914-0104	Cotter Pin
33	720-04088	Grip
34	727-04182	Hose, Valve, Cylinder
35	737-04155	Adapter, Hydraulic
36	737-04154	Adapter, Hydraulic
37	747-04539	Control, Valve, Hydraulic
38	747-04707	Handle, Rod
39	681-04087A	Assembly Bracket, Push
40	710-0615A	Hex Cap Screw, 3/8-16 x 5.0
41	710-0382	Hex Cap Screw, 1/2-13 x 5.00
42	726-0299	Push Cap x 1/2" Rod
43	750-04668	Spacer .385 x .625 x 4.07
44	710-3008	Hex Cap Screw, 5/16-18 x .75
45	710-0376	Hex Cap Screw, 5/16 x 1.00
46	712-04063	Flange Locknut 5/16-18, Nylon
47	918-04243	Pump, gear
48	726-04079	Hose Clamp
49	727-04154	Hose
50	727-04156	Hose, return
51	727-04157	Hose, Inlet
52	737-04187	Fitting, elbow
53	711-04575	Axle
54	734-1781	Wheel Assembly 8 x 1.75 Grey
55	710-04484	Hex Washer Screw, 5/16-18 x .75
56	781-04124	Bracket, Support
57	918-0481A	Valve
58	737-0192	90 Degree Solid Male Adaptor
59	914-0122	Square Key 3/16 X 3/4
60	712-3004A	Nut, 5/16-18, Flangelock
61	781-05004	Cylinder Support Bracket
62	712-3022	Nut, 1/2-13, Hexlock

# Model R 21 LS



Ref.	Part Number	Description
1	918-04713	Hydraulic Cylinder
2	727-04362	Hydraulic Tube
3	710-1018	Hex Cap Screw, 1/2-20 x 2.75
4	737-04320	90 Degree Solid Adapter
5	718-04739P	Control Valve
6	737-04307	Return Elbow
7	737-04309	Nipple Pipe, 1/2-14
8	710-1806	Hex Cap Screw, 1/2-13 x 3.25
9	719-04529	Wedge Assembly
10	912-3058	Hex Lock Nut, 1/2-20
11	710-0216	Hex Cap Screw, 3/8-16 x .75
12	721-04411	O-Ring, .419 ID x .070 Dia.
13	936-0169	Lock Washer, 3/8
14	936-0116	Flat Washer, .635 x.93 x.06
15	712-3022	Hex Lock Nut, 1/2-13
16	681-04112	Beam Assembly
17	710-3056	Hex Screw, 5/16-18 x 3.25
18	710-04683B	Self Tapping Screw, 3/8-16 x 1.0
19	781-04426	Dislodger Bracket
20	781-0790A	Back Plate
21	737-04308	Inlet Filter
22	727-0443	Return Hose, 3/4 x 44
23	726-0132	Hose Clamp, 5/8
24	737-04267	Filter Housing
25	723-0405	Oil Filter
26	734-0873	Hub Cap
27	714-0162	Cotter Pin
28	712-0359	Slotted Nut, 3/4-16
29	634-0186	Complete Wheel Assembly
—	921-0168	Dust Seal
—	941-04089	Roller Bearing
30	936-0351	Flat Washer, .760 x.500
31	737-04323	Hydraulic Fitting, 1 1/16 Orb x .75
32	710-0376	Hex Screw, 5/16-18 x 1.00
33	737-0348A	Vented Dipstick
34	711-05169	Clevis Pin
35	747-04983	Lock Rod
36	914-0470	Cotter Pin
37	726-0214	Push Cap
38	732-0583	Compression Spring
39	781-04293	Log Tray Bracket
40	710-04484	Hex Washer Screw, 5/16-18 x .750

Ref.	Part Number	Description
41	712-04065	Flange Lock Nut, 3/8-16
42	781-04179	Log Tray
43	681-04131	Frame Assembly
44	710-0521	Hex Bolt, 3/8-16 x 3
45	719-0353	Coupling Shield
46	914-0122	Square Key, 3/16" x .75
47	N/A	Log Splitter Coupling
—	718-04392	Coupling, .500
—	718-04395	Coupling, .875
—	735-0652	Spider Bushing
—	710-1842A	Set Screws
48	712-04063	Flange Lock Nut, 5/16-18
49	781-0097	Rear Coupling Support Bracket
50	781-1024A	Fender Mounting Bracket
51	727-04290	Hose
52	918-04127	Gear Pump
53	737-04321	45 Degree Elbow Fitting
54	727-04288	High Pressure Hydraulic Hose
55	781-04424	Tongue Assembly
56	747-1261	Latch Rod
57	781-1045	Latch
58	932-3127	Compression Spring
59	736-0371	Flat Washer
60	711-04585	Clevis Pin
61	710-3085	Hex Cap Screw, 3/8-16 x 3.50
62	936-0185	Flat Washer, .375 x.738 x.063
63	747-04539A	Hydraulic Valve Control
64	681-04030	Hitch Coupling Assembly
65	713-0433A	Chain
66	731-2496A	Fender
67	911-0813	Clevis Pin
68	720-04088	Grip
69	732-0194	Spring Pin
70	781-04430	Jack Stand
71	715-0120	Spiral Pin
72	941-0475	Plastic Bushing, .380 ID
73	710-0602	Self-Tapping Screw, 5/16-18 x 1.00
74	913-04036	Valve Handle Link
75	714-04040	Cotter Pin, Bow Tie
76	781-0526A	Hose Guard, 44"
77	781-0538A	Hose Guard, 48"
78	781-04418	Outer Valve Bracket





Ref.	Part Number	Description
1	918-04714	Hydraulic Cylinder
2	727-04362	Hydraulic Tube
3	710-1018	Hex Cap Screw, 1/2-20 x 2.75
4	737-04320	90 Degree Solid Adapter
5	718-04706P	Control Valve
6	737-04307	Return Elbow
7	737-04309	Nipple Pipe, 1/2-14
8	710-1806	Hex Cap Screw, 1/2-13 x 3.25
9	719-04529	Wedge Assembly
10	912-3058	Hex Lock Nut, 1/2-20
11	710-0216	Hex Cap Screw, 3/8-16 x .75
12	936-0169	Lock Washer, 3/8
13	721-04411	O-Ring, .489 ID x .070 Dia.
14	936-0116	Flat Washer, .635 x.93 x.06
15	712-3022	Hex Lock Nut, 1/2-13
16	981-04140	Beam Assembly
17	710-0974	Hex Screw, 5/16-18 x 4.75
18	710-04683B	Self Tapping Screw, 3/8-16 x 1.0
19	781-0525	Dislodger Bracket
20	781-0790A	Back Plate
21	737-04308	Inlet Filter
22	727-0443	Return Hose, 3/4 x 44
23	726-0132	Hose Clamp, 5/8
24	737-04267	Filter Housing
25	723-0405	Oil Filter
26	734-0873	Hub Cap
27	714-0162	Cotter Pin
28	712-0359	Slotted Nut, 3/4-16
29	634-0186	Complete Wheel Assembly
	921-0168	Dust Seal
	941-04089	Roller Bearing
30	936-0351	Flat Washer, .760 x 1.500
31	737-04323	Hydraulic Fitting, 1 1/16 Orb x .75
32	710-0376	Hex Screw, 5/16-18 x 1.00
33	737-0348A	Vented Dipstick
34	711-05169	Clevis Pin
35	747-04983	Lock Rod
36	914-0470	Cotter Pin
37	726-0214	Push Cap
38	732-0583	Compression Spring

Ref.	Part Number	Description
39	781-04293	Log Tray Bracket
40	710-04484	Hex Washer Screw, 5/16-18 x .750
41	712-04065	Flange Lock Nut, 3/8-16
42	781-04179	Log Tray
43	981-04171	Frame Assembly
44	710-0521	Hex Bolt, 3/8-16 x 3
45	719-0281	Coupling Shield
46	914-0122	Square Key, 3/16 x .75
47	718-04395	Coupling, .875
48	712-04063	Flange Lock Nut, 5/16-18
49	781-0097	Rear Coupling Support Bracket
50	781-04174	Fender Mounting Bracket
51	727-0451	Hose
52	918-04128	Gear Pump
53	737-04322	Hydraulic Fitting, 7/8 Orb x .8125
54	727-04288	High Pressure Hydraulic Hose
55	781-04372	Tongue Assembly
56	747-1261	Latch Rod
57	781-04420	Latch
58	932-3127	Compression Spring
59	736-0371	Flat Washer
60	711-04585	Clevis Pin
61	710-3085	Hex Cap Screw, 3/8-16 x 3.50
62	936-0185	Flat Washer, .375 x.738 x.063
63	747-04539A	Hydraulic Valve Control
64	681-04030	Hitch Coupling Assembly
65	713-0433A	Chain
66	731-2496A	Fender
67	911-0813	Clevis Pin
68	720-04088	Grip
69	732-0194	Spring Pin
70	781-04429	Jack Stand
71	715-0120	Spiral Pin
72	710-0157	Hex Cap Screw, 5/16-24 x .75
73	710-0602	Self-Tapping Screw, 5/16-18 x 1.00
74	913-04036	Valve Handle Link
75	714-04040	Cotter Pin, Bow Tie
76	781-0526A	Hose Guard, 44"
77	781-0538A	Hose Guard, 48"
78	711-0396	Spacer, .385 x .623 x .75 LG

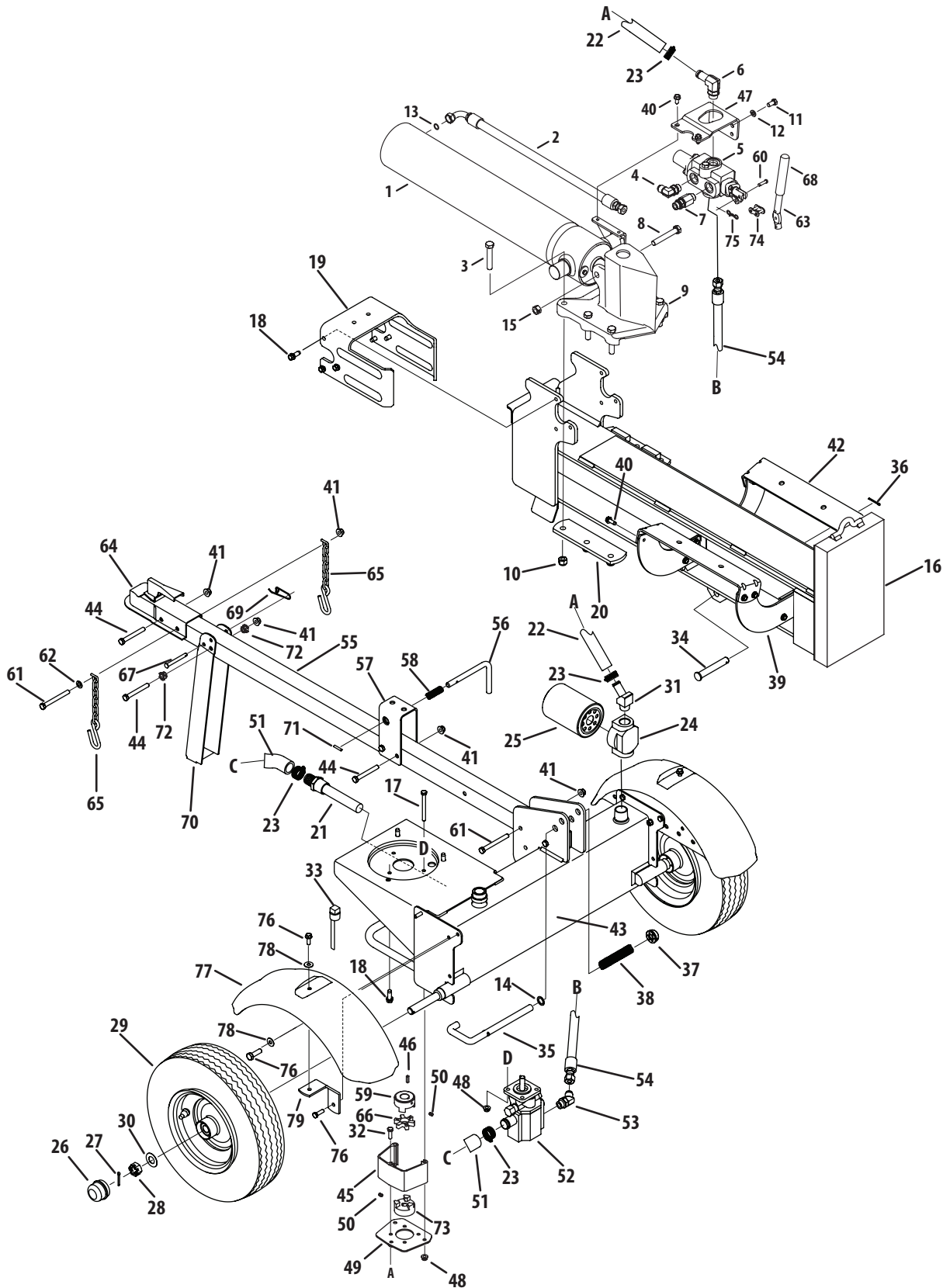
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## Model RM 33 LS

<b>Ref.</b>	<b>Part Number</b>	<b>Description</b>
79	781-04418	Outer Valve Bracket
80	941-0475	Plastic Bushing, .380 ID
81	718-04392	Coupling, .500
82	735-04103	Spider Bushing
83	710-1842A	Set Screws
84	936-0119	Lock Washer, 5/16
85	711-1135	Clevis Pin, 1.25 x 2.50
86	714-0211	Cotter Pin, 3/16 x 2
87	781-0098A	Front Coupling Support Bracket

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# TB 27 LS (Honda Engine)

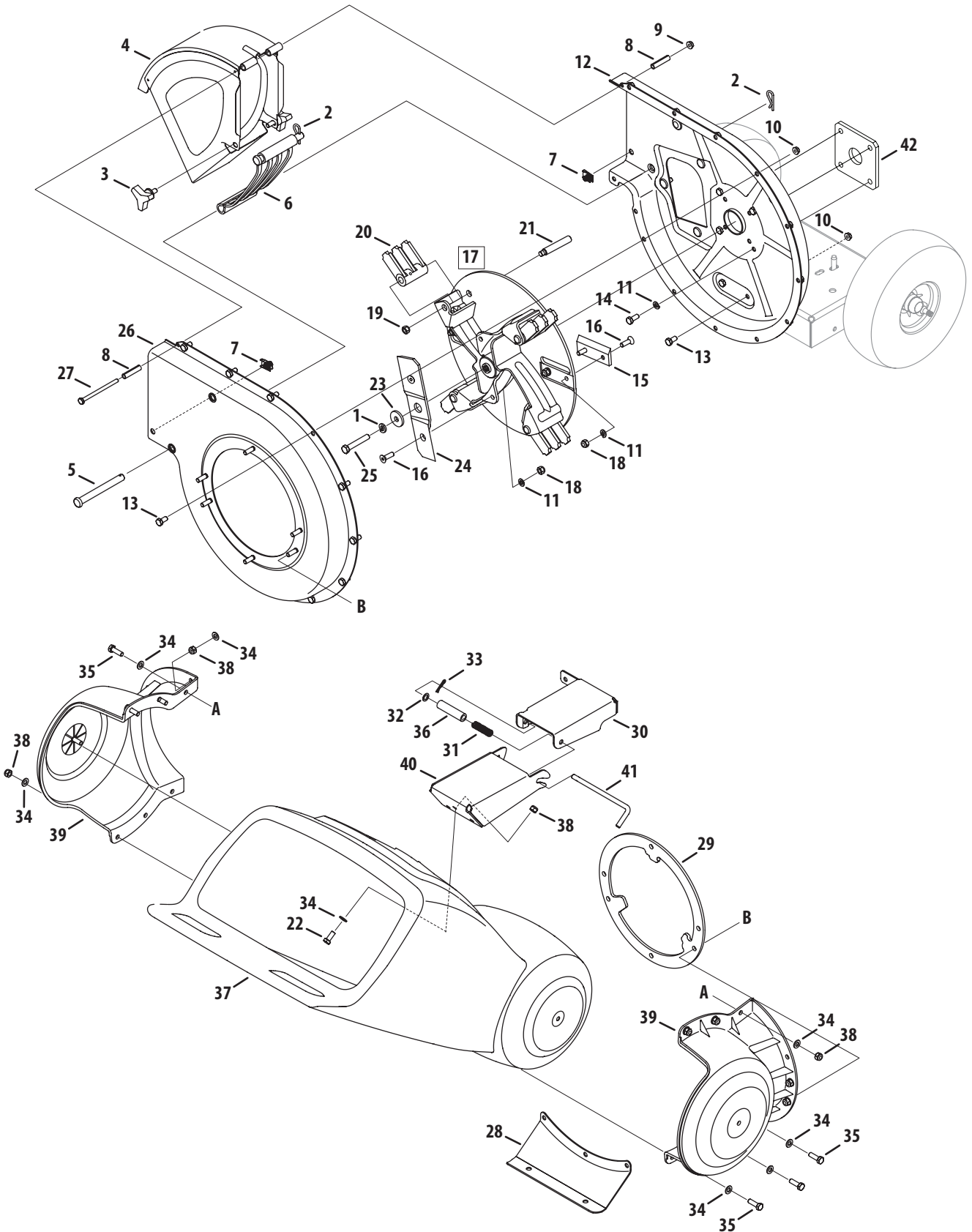


## TB 27 LS (Honda Engine)

Ref.	Part Number	Description
1	918-04713	Hydraulic Cylinder
2	727-04362	Hydraulic Tube
3	710-1018	Hex Cap Screw, 1/2-20 x 2.75
4	737-04320	90 Degree Solid Adapter
5	718-04706P	Control Valve
6	737-04307	Return Elbow
7	737-04309	Nipple Pipe, 1/2-14
8	710-1806	Hex Cap Screw, 1/2-13 x 3.25
9	719-04529	Wedge Assembly
10	912-3058	Hex Lock Nut, 1/2-20
11	710-0216	Hex Cap Screw, 3/8-16 x .75
12	936-0169	Lock Washer, 3/8
13	721-04411	O-Ring, .489 ID x .070 Dia.
14	936-0116	Flat Washer, .635 x.93 x.06
15	712-3022	Hex Lock Nut, 1/2-13
16	681-04112	Beam Assembly
17	710-3056	Hex Screw, 5/16-18 x 3.25
18	710-04683C	Self Tapping Screw, 3/8-16 x 1.0
19	781-04426	Dislodger Bracket
20	781-0790A	Back Plate
21	737-04308	Inlet Filter
22	727-0443	Return Hose, 3/4 x 44
23	726-0132	Hose Clamp, 5/8
24	737-04267	Filter Housing
25	723-0405	Oil Filter
26	734-0873	Hub Cap
27	714-0162	Cotter Pin
28	712-0359	Slotted Nut, 3/4-16
29	634-0186	Complete Wheel Assembly
	921-0168	Dust Seal
	941-04089	Roller Bearing
30	936-0351	Flat Washer, .760 x.500
31	737-04323	Hydraulic Fitting, 1 1/16 Orb x .75
32	710-0376	Hex Screw, 5/16-18 x 1.00
33	737-0348A	Vented Dipstick
34	711-05169	Clevis Pin
35	747-04983	Lock Rod
36	914-0470	Cotter Pin
37	726-0214	Push Cap
38	732-0583	Compression Spring
39	781-04293	Log Tray Bracket

Ref.	Part Number	Description
40	710-04484	Hex Washer Screw, 5/16-18 x .750
41	712-04065	Flange Lock Nut, 3/8-16
42	781-04179	Log Tray
43	681-04131	Frame Assembly
44	710-0521	Hex Bolt, 3/8-16 x 3
45	719-0353	Coupling Shield
46	914-0122	Square Key, 3/16" x .75
47	781-04418	Outer Valve Bracket
48	712-04063	Flange Lock Nut, 5/16-18
49	781-0097	Rear Coupling Support Bracket
50	710-1842A	Set Screws
51	727-04290	Hose
52	918-04127	Gear Pump
53	737-04321	45 Degree Elbow Fitting
54	727-04288	High Pressure Hydraulic Hose
55	781-04424	Tongue Assembly
56	747-1261	Latch Rod
57	781-1045	Latch
58	932-3127	Compression Spring
59	718-04395	Coupling, .875
60	711-04585	Clevis Pin
61	710-3085	Hex Cap Screw, 3/8-16 x 3.50
62	936-0185	Flat Washer, .375 x.738 x.063
63	747-04539A	Hydraulic Valve Control
64	681-04030	Hitch Coupling Assembly
65	713-0433A	Chain
66	735-04103	Spider Bushing
67	911-0813	Clevis Pin
68	720-04088	Grip
69	732-0194	Spring Pin
70	781-04430	Jack Stand
71	715-0120	Spiral Pin
72	941-0475	Plastic Bushing, .380 ID
73	718-04392	Coupling, .500
74	913-04036	Valve Handle Link
75	714-04040	Cotter Pin, Bow Tie
76	710-0602	Self-Tapping Screw, 5/16-18 x 1.00
77	731-2496A	Fender
78	736-0371	Flat Washer
79	781-1024A	Fender Mounting Bracket

# CS Model Series 450 & 460

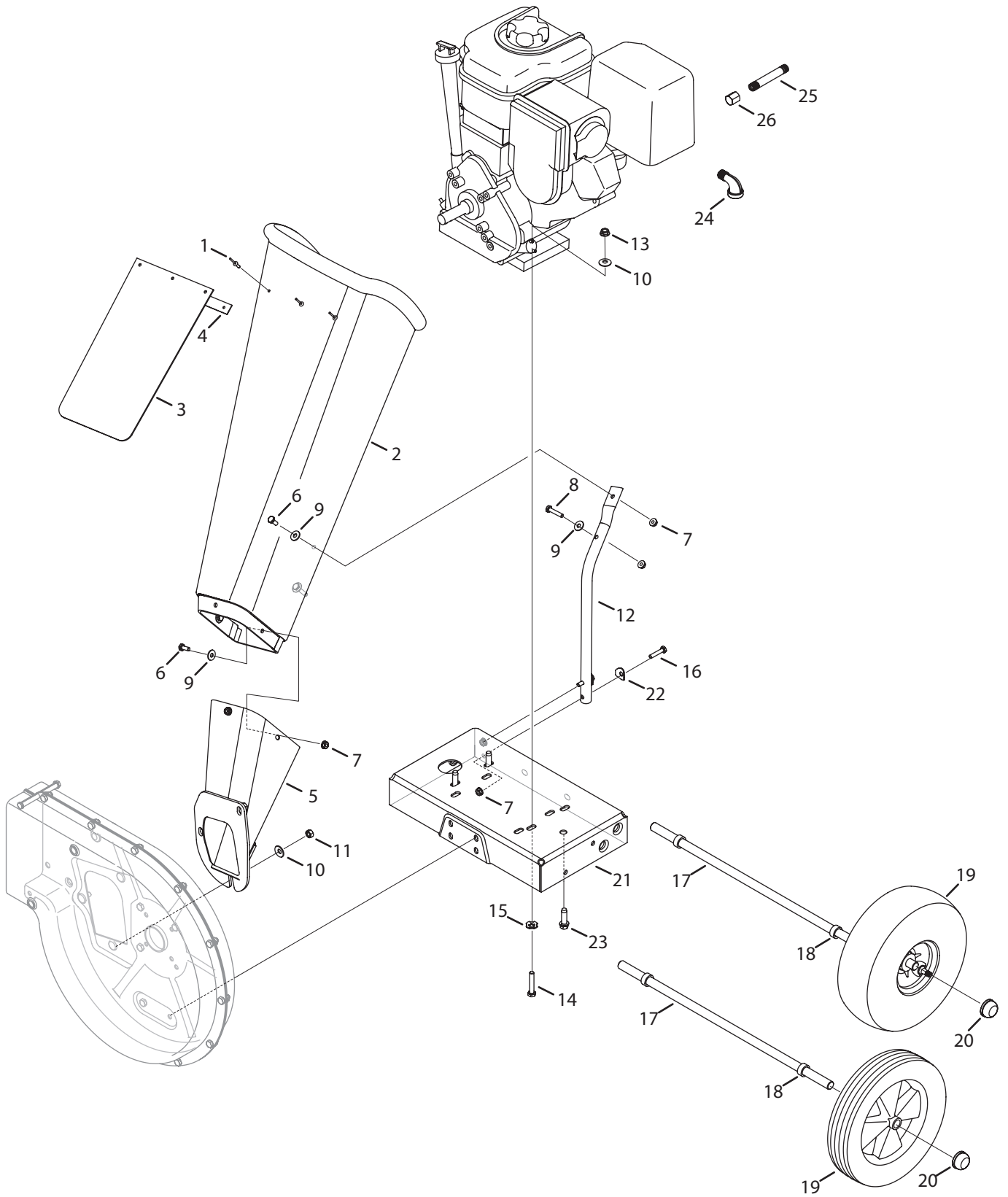


## CS Model Series 450 & 460

Ref No.	Part Number	Description	Ref No.	Part Number	Description
1.	936-0217	Lock Washer, 3/8	22.	710-3008	Hex Cap Screw 5/16-18 x .75
2.	914-0149B	Cotter Pin	23.	736-0247	Flat Washer 3/8 x 1.25
3.	720-0170	Wing Knob 5/16-18	24.	942-0571	Shredder Blade
4.	681-0094A	Chute Deflector Assembly	25.	710-1254	Hex Cap Screw 3/8-24 x 2.25
5.	911-0835	Clevis Pin	26.	681-0004A	Outer Impeller Housing Assembly
6.	781-0457	Shredder Screen	27.	710-0825	Hex Cap Screw 1/4-20 x 3.75
7.	926-0211	U-Nut 5/16-18	28.	781-0515	Front Support Bracket
8.	950-0793	Spacer	29.	781-0574	Shredder Plate
9.	912-3027	Hex Lock Nut, 1/4-20	30.	681-0104	Rear Hopper Bracket Assembly
10.	712-3004A	Hex Lock Nut 5/16-18	31.	932-0306A	Compression Spring 1.75
11.	936-0119	Lock Washer 5/16	32.	936-0117	Flat Washer
12.	681-04116	Inner Impeller Housing Assembly	33.	914-0104	Cotter Pin
13.	710-3025	Hex Cap Screw 5/16-18 x .625	34.	936-0264	Flat Washer .330 ID x .630 OD
14.	710-0157	Hex Cap Screw 5/16-24 x .75	35.	710-0376	Hex Cap Screw 5/16-18 x 1.0
	710-0888†	Hex Cap Screw 5/16-24 x 1.00	36.	748-0453	Spacer,.375 ID x 2.50 LG
15.	942-0544B	Chipper Blade	37.	731-1707A	Hopper Assembly
16.	710-1054	Hex Cap Screw 5/16-24 x 1.0	38.	912-0429	Hex Lock Nut 5/16-18
17.	681-04095	Impeller Assembly	39.	731-1710A	Hopper Collar
18.	912-0411	Hex Lock Nut 5/16-24	40.	681-0123	Front Hopper Bracket Assembly
19.	712-0266A	Nut, Jam Lock, 3/8-16	41.	711-1128	Lock Rod
20.	719-04308	Flail Blade	42.	781-04292†	Engine Plate
21.	738-04286A	Shoulder Pin, .5 x 2.625			

† Model Series 450 (208 CC)

# CS Model Series 450 & 460





Ref No.	Part Number	Description
1.	728-0175††	Pop Rivet
2.	681-04118†^	Chipper Shredder Chute
	753-05094††	Chipper Shredder Chute
3.	735-0249A††	Chute Flap
4.	781-0633††	Chute Flap Strip
5.	681-04119††	Chipper Chute Assembly
6.	710-0751††	Hex Cap Screw 1/4 -20 x.620
7.	912-3027††	Hex Lock Nut 1/4-20
8.	710-0106††	Hex Cap Screw 1/4-20 x 1.25
9.	736-0173††	Flat Washer.28 ID x.74 OD
10.	736-0242	Bell Washer.340 ID x.872 OD
11.	912-3010	Hex Nut 5/16-18
12.	749-1004††	Support Brace
13.	712-3004A	Hex Lock Nut 5/16-18
14.	710-0805	Hex Cap Screw 5/16-18 x 1.50
15.	936-0170	Bell Washer 5/16 x 1.0
16.	710-0809††	Hex Cap Screw, 1/4-20 x 1.250
17.	738-0814†	Axle Assembly
	738-0813††	Axle Assembly
18.	950-0786	Spacer
19.	734-1600†	Wheel Comp., 10.0 x 2.5 Plastic
	934-04009††	Wheel Comp., 10.0 x 4.0 Gray
20.	726-0214	Push Cap
21.	681-0184C	Frame
22.	936-0451††	Washer,.320 ID x.93 OD
23.	710-0502A	Screw, 3/8-16 x 1.250
24.	937-0195†	Elbow Fitting
25.	737-0298††	Oil Drain Pipe
26.	737-0132††	Oil Drain End Cap
—	964-04022^	Chipper Bag Ass'y
—	723-0400^	Safety Glasses

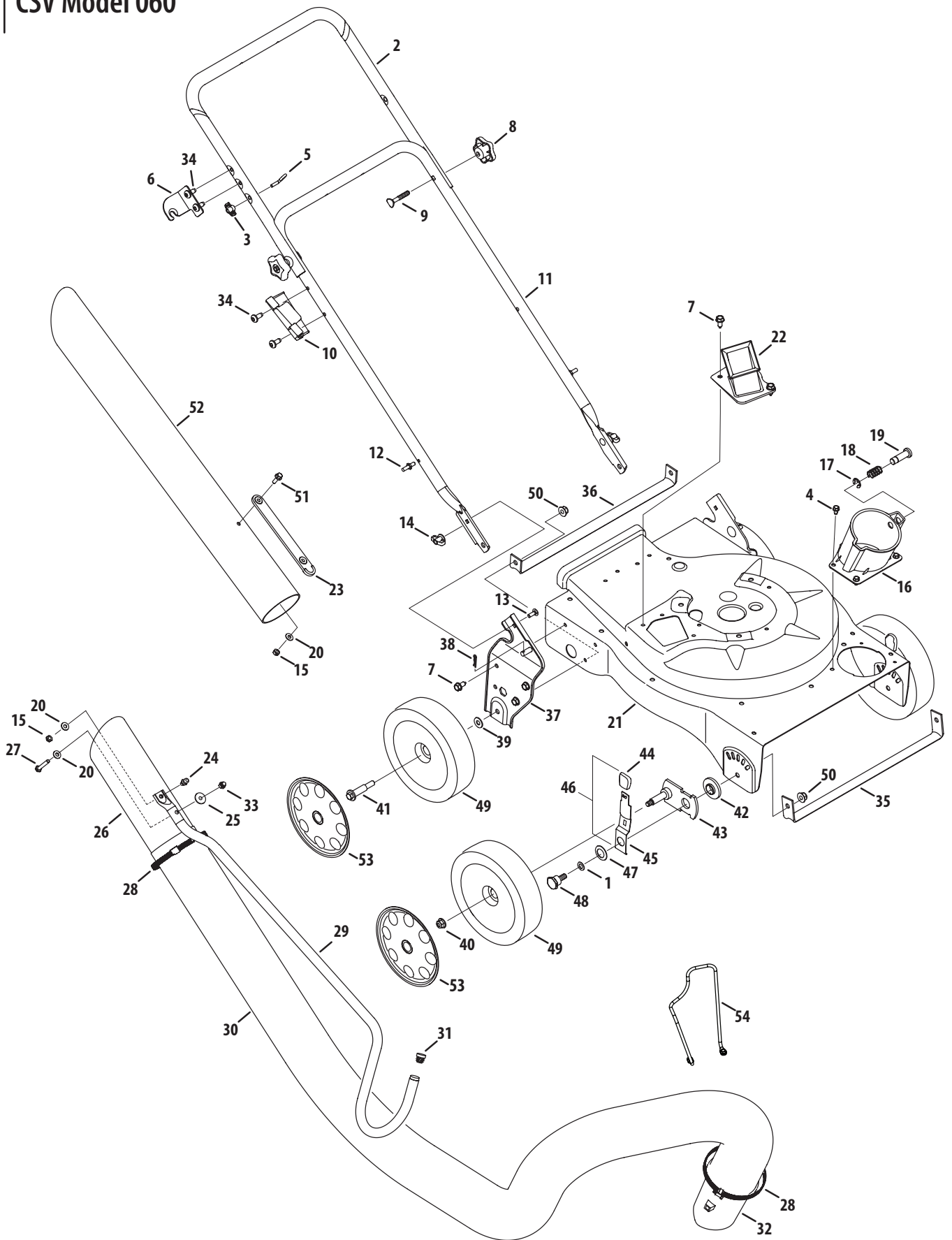
† Model Series 450

†† Model Series 460

\* If Equipped

^ Not Shown

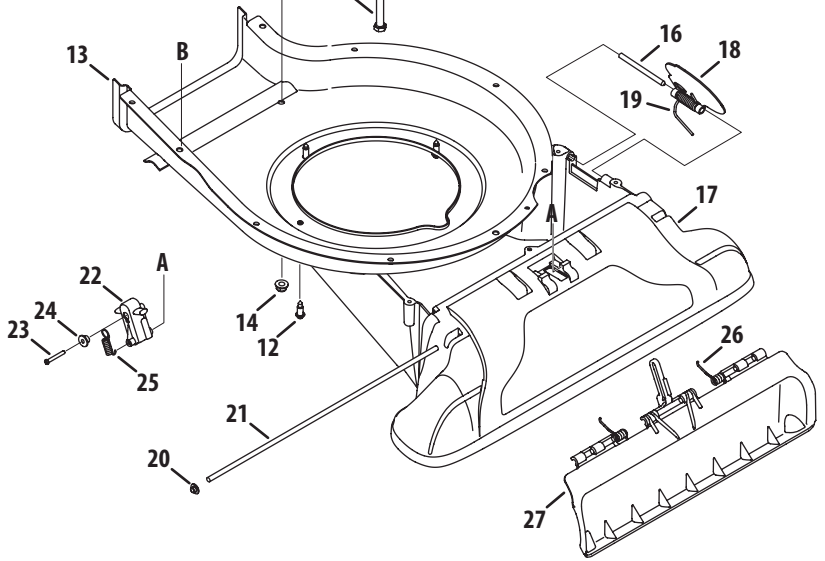
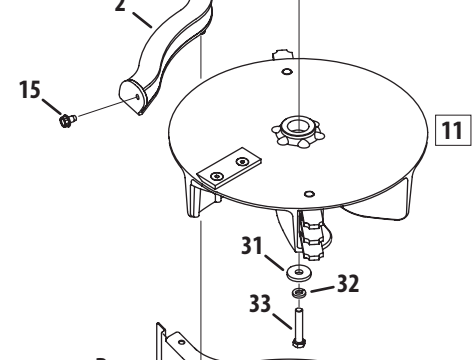
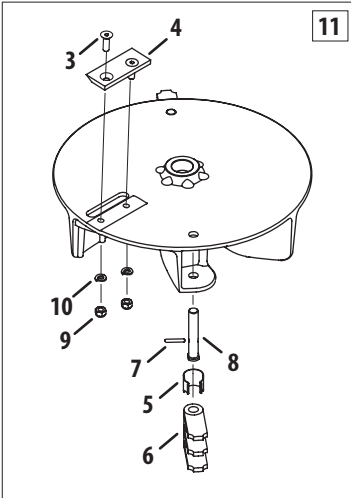
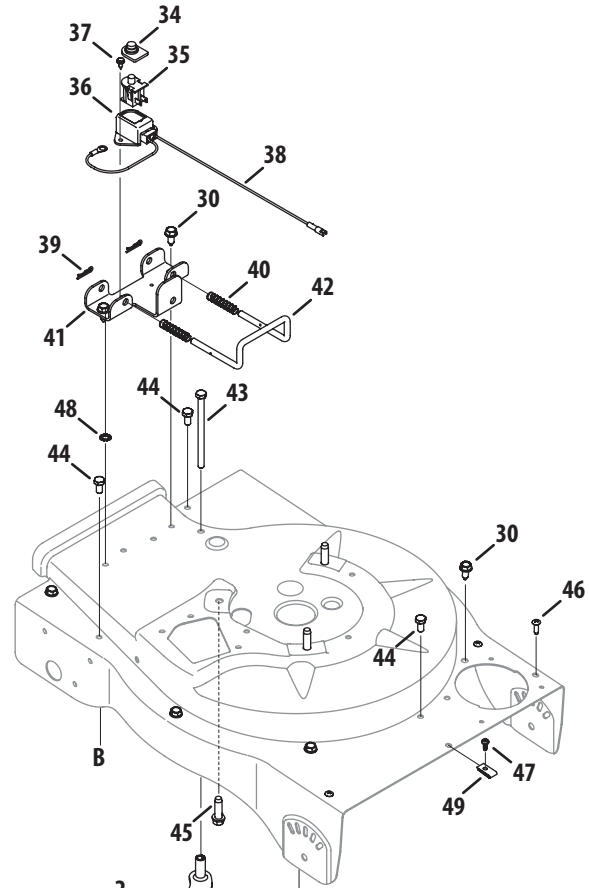
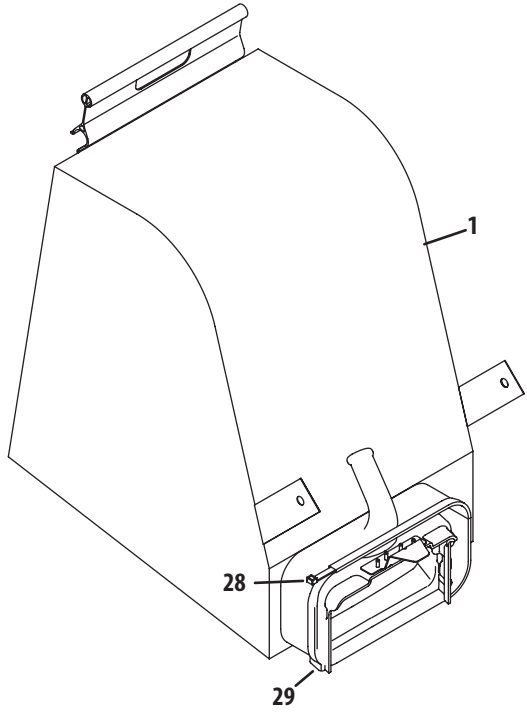
# CSV Model 060



Ref No.	Part Number	Description
1	936-0314	Thrust Washer.375 ID x.70 OD
2	749-04172	Upper Handle
3	720-0279	Knob
4	710-05073	Screw, 1/4-20 x .500
5	710-1205	Eye Bolt
6	781-1056	Upper Handle Bracket
7	710-0726	Hex Cap Screw 5/16-12 x.750
8	720-04072A	Star Knob
9	710-1174	Carriage Bolt
10	731-04911	Nozzle Handle Clip
11	749-04165	Lower Handle
12	711-1293	Studs
13	710-0703	Carriage Screw 1/4-20 x.75
14	712-0397A	Wing Nut 1/4-20
15	912-0291	Hex Lock Nut, 1/4-20
16	681-0195	Hose Base Adapter Assembly (Incl. Ref.# 17-19)
17	916-0104	E Ring.500 Dia
18	932-3035	Compression Spring
19	711-1571	Clevis Pin
20	936-3020	Flat Washer.271 ID x.630 OD
21	781-04223	Upper Flail Housing
22	681-04088	Chipper Chute Assembly
23	723-04008A	Chute Strap
24	911-04069	Pin
25	748-0457	Spacer
26	731-2478	Hose Nozzle
27	710-3288	Hex Cap Screw 1/4-20 x 2.625
28	723-0295	Adjustment Clamp

Ref No.	Part Number	Description
29	749-1270A	Nozzle Handle
30	764-0648A	Vacuum Hose
31	720-0369	Handle Plug
32	731-06469	Hose Adapter
33	912-0442	Cap Lock Nut, 1/4-20
34	710-1611B	TT Screw, 5/16-18 x .750
35	781-04082	Front Wheel Support Brace
36	781-04081	Rear Wheel Support Brace
37	981-0156A	Handle Bracket Ass'y RH
	981-0155A	Handle Brkt Ass'y LH
38	914-0104	Cotter Pin
39	736-0105	Bell Washer.401 ID x.870 OD
40	712-04217	Flange Lock Nut, 3/8-16
41	738-04523	Shoulder Screw 3/8-16
42	741-04242	Height Adjustment Bearing
43	681-04195	Pivot Arm Assembly
44	720-0426	Height Adjustment Knob
45	732-1026	Spring Lever
46	987-02051	Height Lever Assembly (Incl. Ref.# 44-45)
47	736-0741	Bell Washer.760 ID x.25 OD
48	738-1172	Shoulder Screw,.750 x.500
49	634-05036	Wheel 8 x 2
50	712-04065	Flange Lock Nut, 3/8-16
51	710-04666	Screw, 1/4-20 x .75
52	731-06445	Hose Extension
53	731-07198	Hubcap, 8"
54	747-04985	Tube Holder

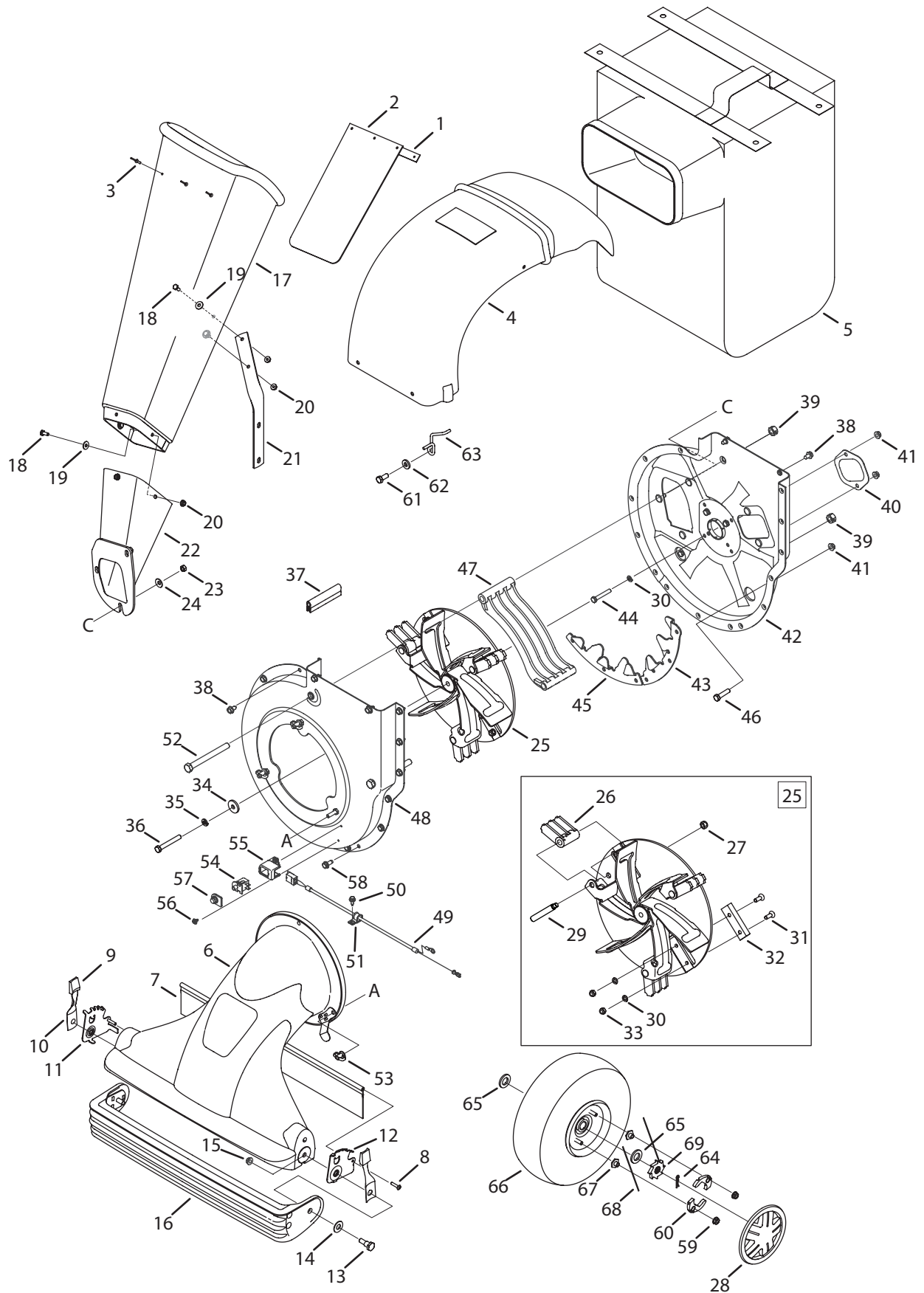
CSV Model 060



Ref No.	Part Number	Description
1	664-04040	Bag Assembly, Blk
2	681-0154	Screen Assembly
3	710-1054	Hex Screw 5/16-24 x 1.0
4	981-0490	Chipper Blade
5	781-0735	Pin Clip
6	719-0329	Flail
7	715-0166	Spiral Pin
8	711-1401	Clevis Pin
9	912-0411	Lock Nut, 5/16-24
10	936-0119	Lock Washer, 5/16
11	981-0152	Impeller Assembly (Incl. Ref.# 3 – 10)
12	710-1650	Shoulder Screw, #12-24 x.30 x.46
13	781-0721B	Lower Flail Housing
14	712-04063	Flange Lock Nut 5/16-18
15	710-0607	Screw, 5/16-18 x.500
16	747-04297	Hinge Pin
17	981-04031	Nozzle
18	781-1064	Base Adapter Door
19	732-1156	Torsion Spring
20	926-0106	Cap Speed Nut 1/4
21	711-1551	Pivot Rod
22	731-2485A	Nozzle Door Lever, Blk
23	710-1256	Hex Screw, #8-18 x 1.25
24	750-1294	Shoulder Spacer
25	732-3118	Extension Spring

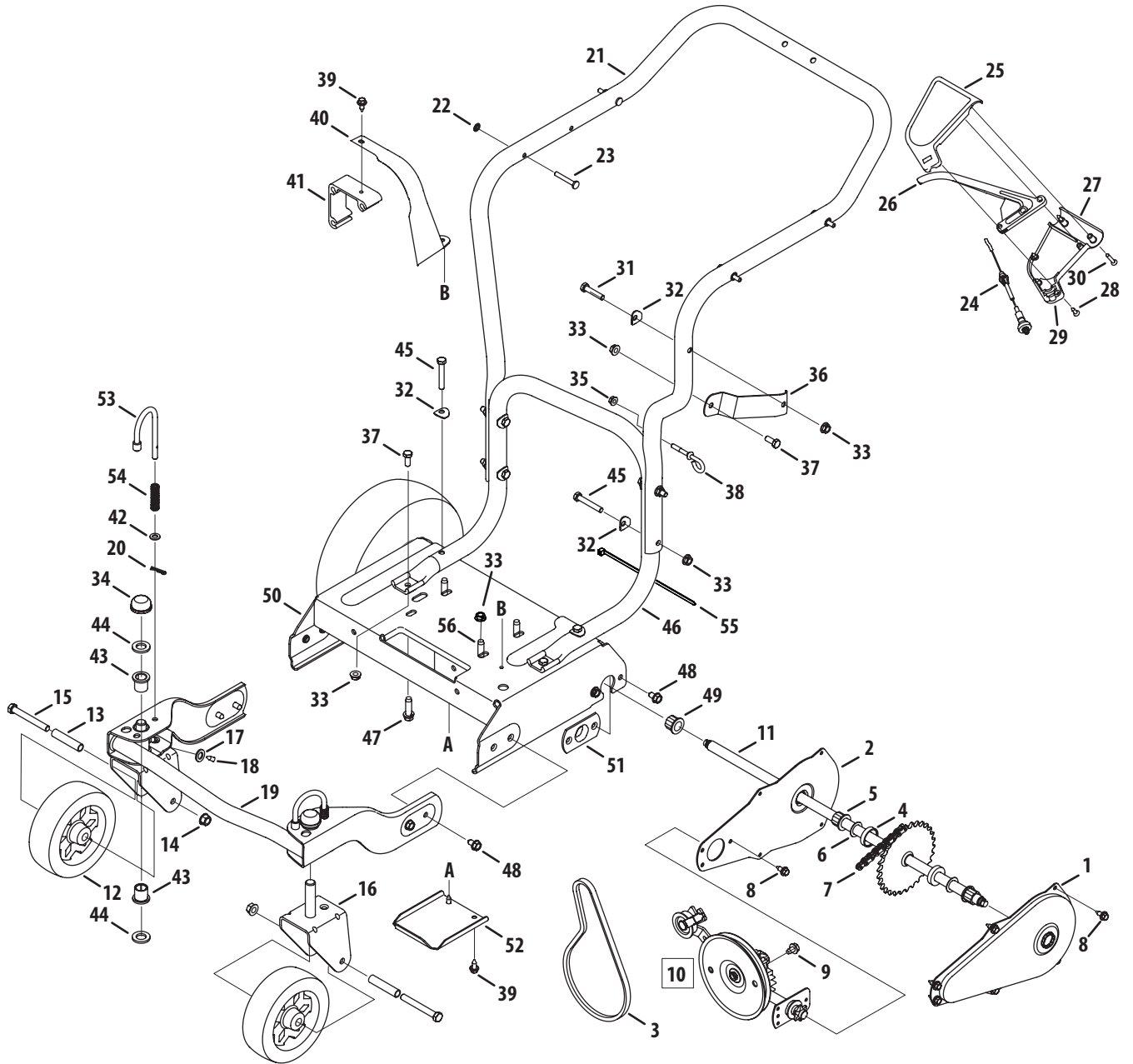
Ref No.	Part Number	Description
26	732-1151A	Nozzle Door Torsion Spring
27	731-2294A	Nozzle Door
28	664-04040	Bag, Blk
29	631-0083	Chute Assembly
30	710-0726	Hex Index Screw, 5/16-12 x.750
31	736-0247	Flat Washer.375 ID x 1.25 OD
32	936-0217	Lock Washer 3/8
33	710-0818	Hex Cap Screw 3/8-24 x 2.0
34	925-1700	Switch Cover
35	925-3166	Safety Switch
36	931-1613	Safety Switch Cover
37	910-0224	Hex Washer Screw #10-16 x.50
38	629-0920A	Wire Harness
39	914-0104	Cotter Pin
40	732-0962	Compression Spring
41	781-0778A	Mounting Bracket
42	747-1153	Lock Rod
43	710-3195	Hex Cap Screw 5/16-18 x 4.5
44	710-3025	Hex Cap Screw 5/16-18 x.625
45	710-0654A	Screw 3/8-16 x 1.00
46	710-1220	Screw, #12-16 x.750
47	710-0351	Screw #10 - 16 x.500
48	736-0607	External L-Washer 5/16
49	726-0139	Speed Nut
—	723-0400	Safety Glasses (Not Shown)

# CSV Model 202



Ref No.	Part Number	Description
1.	781-0633	Chute Flap Strip
2.	735-0249A	Chute Flap
3.	728-0175	Pop Rivet
4.	731-1838A	Discharge Chute
5.	964-04001	Bag
6.	631-0086	Nozzle Assembly
7.	731-1831	Nozzle Flap
8.	710-0969	Screw
9.	720-0426	Height Adjustment Knob
10.	732-0754	Spring Lever
11.	781-0702	Index Bracket RH
12.	781-0703	Index Bracket LH
13.	938-0913	Shoulder Screw
14.	736-3084	Flat Washer, .510 x 1.12 x.060
15.	912-0431	Hex Flange Lock Nut, 3/8-16
16.	631-0049	Door Assembly
17.	731-1574A	Chipper Chute
18.	710-0751	Hex Cap Screw, 1/4-20 x.620
19.	736-0173	Flat Washer, .28 ID x.74 OD
20.	912-3027	Hex Lock Nut, 1/4-20
21.	781-0780	Support Bracket
22.	681-0068A	Chipper Chute Assembly
23.	912-3010	Hex Nut, 5/16-18
24.	736-0242	Bell Washer, .340ID x.872OD
25.	981-04091	Impeller Assembly: Complete
26.	719-04308	Flail Blade
27.	712-0266A	Jam Lock Nut, 3/8-16
28.	734-1984	Hub Cap
29.	738-04286A	Shoulder Pin, .5 x 2.625
30.	936-0119	Lock Washer, 5/16
31.	710-1054	Cap Screw 5/16-24 x 1.0
32.	942-0544B	Chipper Blade
33.	912-0411	Hex Lock Nut 5/16-24
34.	736-0247	Flat Washer, .406 x 1/1/4
35.	936-0217	Lock Washer, 3/8

Ref No.	Part Number	Description
36.	710-1273	Hex Cap Screw, 3/8-24 x 2.75
37.	723-0438	Rubber Seal
38.	710-0604A	Hex Washer Screw, 5/16-18
39.	912-0384	Hex Lock Nut, 1/2-13
40.	781-0627	Chipper Blade Cover
41.	712-3004A	Hex Flange Lock Nut 5/16-18
42.	681-0098	Housing Assembly: Inner Flail
43.	781-0599	Upper Shredder Blade
44.	710-0772	Hex Cap Screw, 5/16-18 x 2
45.	781-0653	Flail Housing Blade
46.	710-3008	Hex Cap Screw, 5/16-18 x.75
47.	719-0326	Discharge Screen
48.	681-0060	Housing Assembly: Outer Flail
49.	929-0241A	Wire Harness
50.	710-0896	TT Screw, 1/4-14 x 0.625"
51.	726-0272	Clamp
52.	710-0382	Hex Cap Screw, 1/2-13 x 5.0
53.	712-0421	Knob, 5/16-18
54.	925-3166	Switch
55.	931-1613	Safety Switch Mounting Cover
56.	710-1268	Hex Washer Screw
57.	925-1700	Switch Cover
58.	710-1260A	LD Screw, 5/16-18 x 0.75"
59.	912-3027	Hex Flanged Lock Nut, 1/4-20
60.	948-0188B	Pawl, .345 ID -LH
	748-0381	Pawl, .345 ID - RH
61.	710-0157	Hex Cap Screw, 5/16-24 x.75
62.	936-3008	Flat Washer, .344 x.75 x.12
63.	747-0929A	Belt Keeper
64.	914-0104	Cotter Pin
65.	736-0366	Flat Washer, 5/8 ID x 1.0 OD
66.	634-0244	Wheel Complete 10 x 4 x 4
67.	912-0456	Hex Nut, 1/4-20
68.	10622BP	Plastic Spring Ratchet
69.	748-0405	Wheel Ratchet 1.62 OD x.5 serr



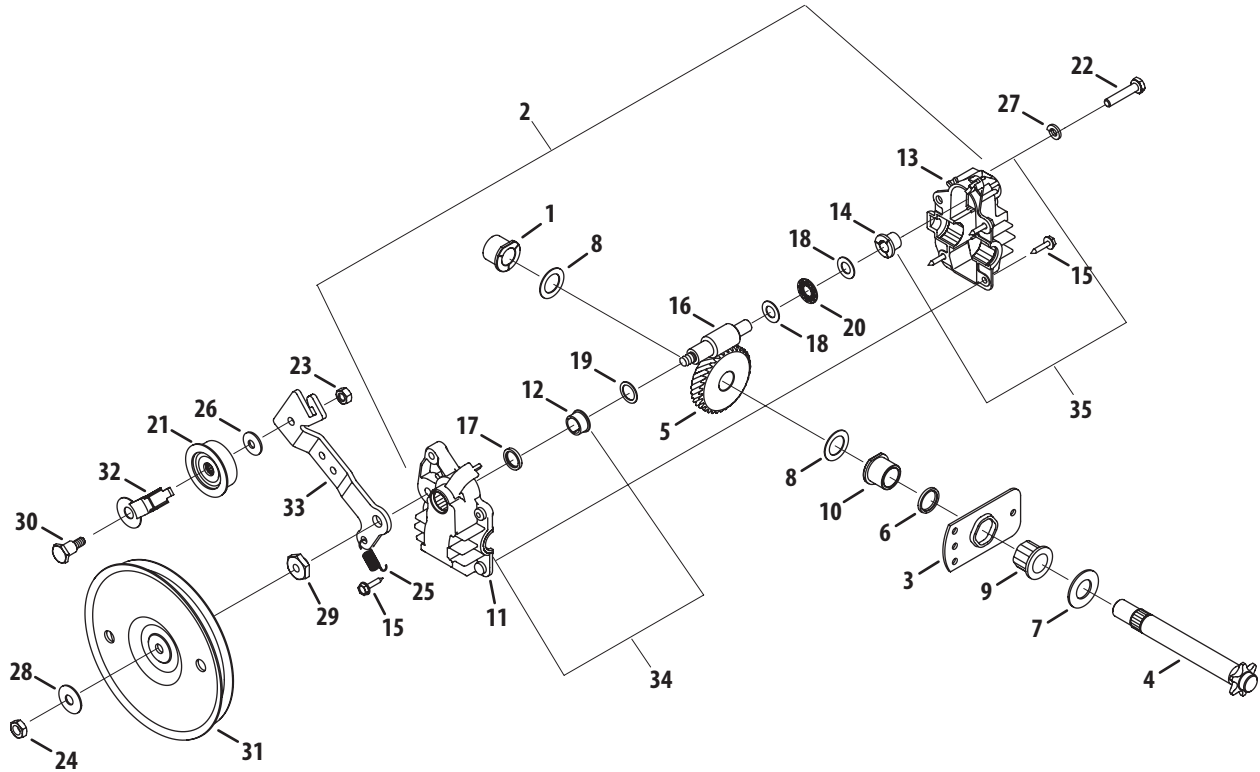


Ref No.	Part Number	Description
1.	781-0677	Chain Case - LH
2.	781-0676	Chain Case - RH
3.	954-0457	V-Belt
4.	748-0313	Spacer
5.	941-0413	Hex Flange Bearing
6.	936-0336	Flat Washer
7.	913-0422	Chain
8.	710-0896	TT Screw, 1/4-14 x 0.625"
9.	710-0603	Hex Washer Screw, 5/16
10.	618-0256†	Chipper Shredder Trans. Ass'y.
11.	611-0063	Axle Assembly
12.	734-1804A	Wheel, 6.0 x 2.0
13.	750-1042	Spacer
14.	912-0431	Flange Lock Nut, 3/8-16
15.	710-0521	Hex Cap Screw, 3/8-16 x 3.0
16.	681-0088	Bracket Assembly
17.	736-0931	Flat Washer, .203 ID x.403 OD
18.	937-3000	Grease Fitting, 3/16
19.	681-0087	Bracket Assembly
20.	914-0104	Cotter Pin
21.	749-1095	Upper Handle
22.	1539-019	Push Nut
23.	911-0737	Stud Pin, .250 x 1.75
24.	946-0714	Clutch Cable - 56"
25.	753-0832	Upper Clutch Cover
26.	731-0620A	Drive Lever
27.	753-0832	Lower Clutch Cover
28.	710-0841	Screw, #10-12 x.750
29.	753-0833	Mounting Cable Cap

Ref No.	Part Number	Description
30.	710-1331	Screw, #10-16 x 1.25
31.	710-0805	Hex Cap Screw, 5/16-18 x 1.50
32.	936-0451	Shldr. Washer, .320 ID x.93 OD
33.	712-3004A	Hex Flange Lock Nut, 5/16-18
34.	726-0214	Push Cap
35.	712-0380	Hex Nut, 1/4-28
36.	781-0647	Discharge Chute Bracket
37.	710-3008	Hex Cap Screw, 5/16-18 x.75
38.	747-0815	Eye Bolt
39.	710-0896	Hex Washer Screw, 1/4-14 x.625
40.	731-1646	Belt Cover
41.	719-0359	Engine Mounting Adapter
42.	936-0264	Flat Washer, .330 ID x.630 OD
43.	741-0487C	Flange Bearing, .632 ID
44.	736-0366	Flat Washer, 5/8 ID x 1.0 OD
45.	710-3103	Hex Cap Screw, 5/16-18 x 1.75
46.	749-1094	Lower Push Handle
47.	710-0502A	Screw, 3/8-16 x 1.25
48.	710-0604A	Hex Wash. Screw, 5/16-18 x.625
49.	941-0413	Hex Flange Bearing, .631 x.720
50.	681-0097A	Frame Assembly
51.	781-0700	Axle Bracket
52.	781-0697	Transmission Cover
53.	747-0924	Lock Pin
54.	932-0306A	Compression Spring
55.	725-0157	Cable Tie
56.	710-1090	Hex Cap Screw, 5/16-18 x 1.25
—	723-0400	Safety Glasses (Not Shown)

† See Next Page for transmission breakout

# CSV Model 202

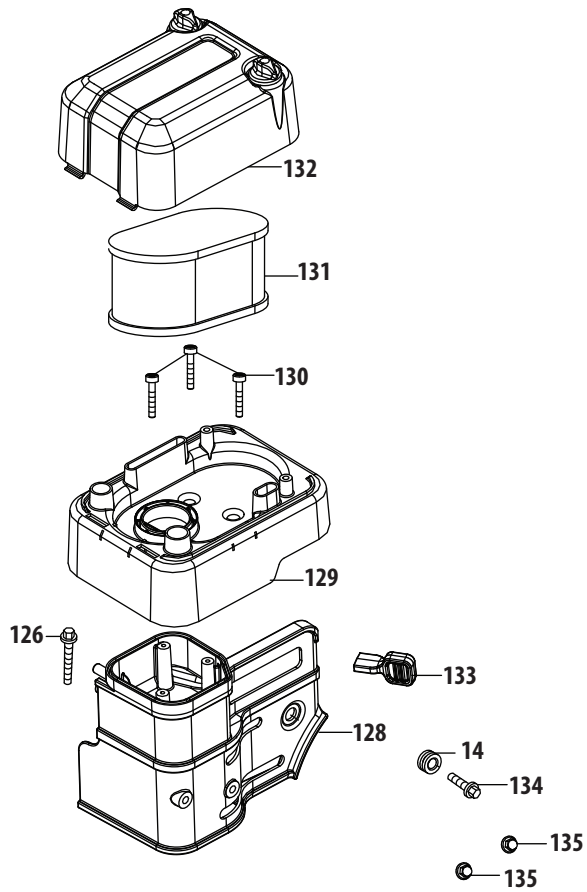


Ref No.	Part Number	Description
1	941-0415	Flange Bearing, .566 ID
2	918-0255	Shredder Transmission Assembly
3	16500A-0637	Hex Bearing Cup
4	911-1118	Output Shaft 6T Sprocket
5	717-1432	Helical 34T Gear
6	721-0213	Oil Seal
7	736-0187	Flat Washer, .64 ID x 1.24 OD
8	936-0336	Flat Washer, 5/8 x 1.0
9	941-0413	Hex Flange Bearing, .631 ID
10	741-0414	Flange Bearing, .629 ID
11	719-0325	Lower Housing
12	748-0373	Flange Bearing, .503 ID
13	719-0324A	Upper Housing
14	748-0208A	Flange Bearing, .378 ID
15	710-0589	Hex Washer Screw, #10-16 x.75
16	717-1433	Pinion Shaft 10T
17	921-0329	Oil Seal
18	936-0314	Thrust Washer, .382 ID x.684 OD
19	936-0520	Flat Washer, .504 ID x.70 OD

Ref No.	Part Number	Description
20	741-0479	Thrust Bearing, .375 ID x.812 OD
21	956-0008	Idler Pulley Assembly W/ Bearing
	956-0558	Idler Pulley Only
	941-0556	Needle Bearing Only
22	710-1062	Hex Cap Screw, 1/4-20 x 1.25
23	912-0138	Hex Nut, 1/4-28
24	912-3045	Hex Jam Nut, 5/16-24 LH Thd
25	932-0357A	Extension Spring, 1.12 Lg
26	736-0270	Bell Washer, .265 ID x.75 OD
27	936-0329	Lock Washer, 1/4
28	936-0425	Bell Washer, .325 ID x.930 OD
29	738-0440	Shoulder Spacer, .375 ID x.165 OD
30	938-0826	Shoulder Bolt, 1/4-28 x.375
31	756-0656	Flat Pulley 5.06 Dia
32	782-7569	Belt Keeper
33	682-0054	Idler Bracket
34	618-0132	Lower Housing Assembly
35	618-0133A	Upper Housing Assembly

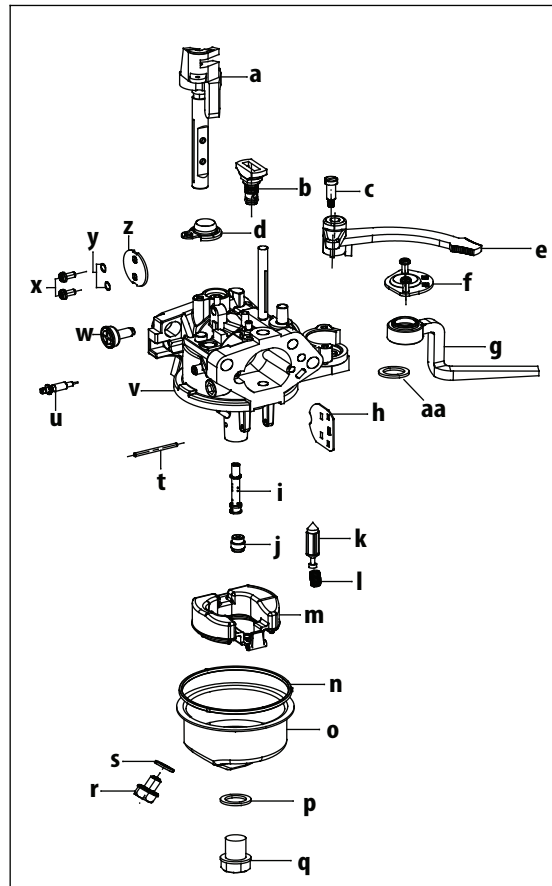
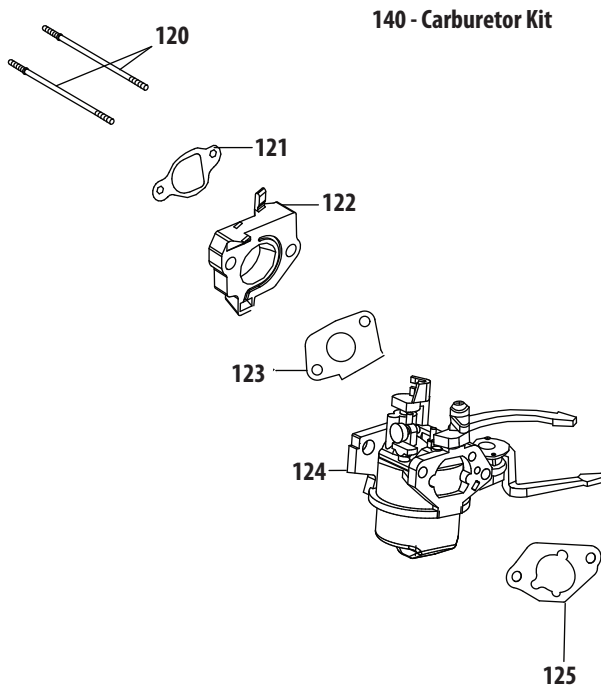
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# Engine Model 178-LU Air Cleaner



Ref.	Part Number	Description
14	736-04452	Isolator Bushing
126	710-04969	Bolt M6x30
128	951-14392	Air Filter Base
129	951-12408	Middle Air Filterbox
130	710-05352	Countersunk Screw
131	951-12260	Air Filter Cover
132	951-12047	Air Filter Cover Assembly
133	951-12409	Throttle Control Knob
134	710-04968	Bolt M6x16
135	712-04213	Acorn Nut

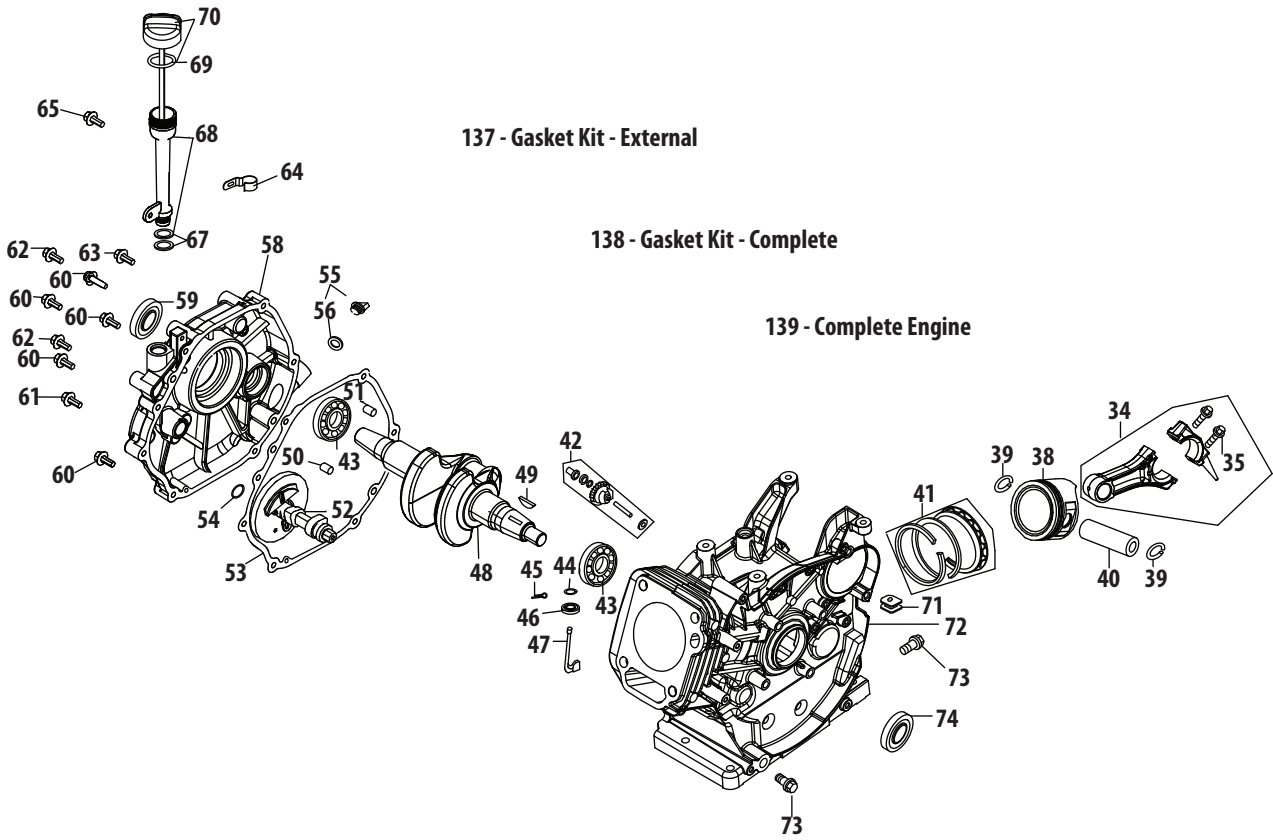
# 178-LU Carburetor Assembly



Ref.	Part Number	Description
120	710-05351	Stud
121	951-11225	Carburetor Insulator Gasket
122	951-11222	Carburetor Insulator
123	951-11223	Carburetor Gasket
124	951-12791	Carburetor Assembly
125	951-12406	Carburetor Gasket Plate
140	951-12762A	Carburetor Kit (Incl.b,l,j,k,l,m,n,p,s,t)
a	n/a	Throttle Shaft
b	n/a	Idle Jet Assembly
c	710-05459	Choke Control Screw
d	n/a	Lock Plate
e	951-12422	Choke Knob
f	951-12792	Fuel Shutoff Cover
g	951-12423	Fuel Shutoff Lever
h	n/a	Choke Plate
i	n/a	Emulsion Tube

Ref.	Part Number	Description
j	n/a	Main Jet
k	n/a	Needle Valve
l	n/a	Needle Valve Spring
m	n/a	Float
n	951-11970	Fuel Bowl Gasket
o	n/a	Fuel Bowl Assembly
p	951-11348	Fuel Bowl Gasket
q	710-04945	Fuel Bowl Mounting Bolt
r	710-04938	Fuel Drain Plug
s	951-11349	Fuel Drain Plug Gasket
t	n/a	Float Pin
u	n/a	Mixture Screw
v	n/a	Carburetor Body
w	710-05469	Idle Speed Adjusting Screw
x	n/a	Screw M3x5
y	736-04638	Lock Washer
z	n/a	Throttle Plate

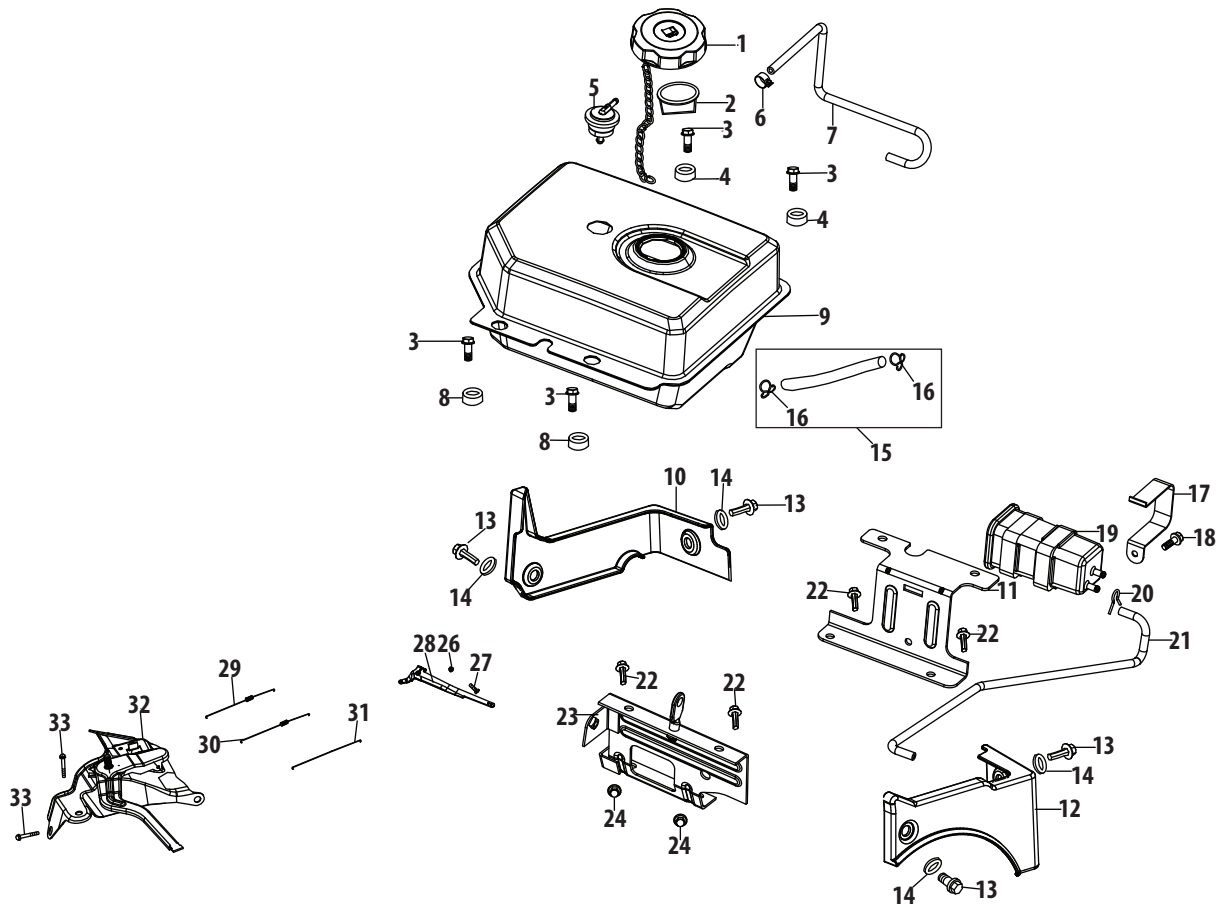
# 178-LU Crankshaft & Crankcase



## 178-LU Crankshaft & Crankcase

Ref.	Part Number	Description	Ref.	Part Number	Description
34	951-12066	Connecting Rod Assembly	59	951-12396	Oil Seal, 30x46x8
35	710-05319	Connecting Rod Bolt	60	710-04971	Bolt M8x38
38	951-12043	Piston	61	710-04972	Bolt M8x45
39	951-11632	Piston Pin Snap Ring	62	710-05052	Bolt M8x35
40	951-12044	Piston Pin	63	710-04968	Bolt M6x16
41	951-12387	Piston Ring Set	64	951-11320	Dipstick Clamp
42	751-12068	Governor Gear/Shaft Assembly	65	710-05349	Bolt M6x8
43	951-12069	Radial Ball Bearing	67	951-11381	O-Ring
44	736-04453	Washer 8x20x0.8	68	951-12073	Oil Fill Tube Assembly
45	714-04077	Cotter Pin	69	951-11904	O-Ring, Dipstick
46	951-11958	Governor Seal	70	951-11971A	Disptick Assembly
47	951-12071	Governor Arm Shaft	71	951-12398	Wire Clamp Rubber
48	951-05050	Crankshaft Kit (Incl.43,48,59,74)	72	951-05051	Crankcase Service Kit (Incl.43,46,72,74)
49	951-10307	Woodruff Key		951-05045	Shortblock Assembly (Incl.34,38-48,50-62,71,74,90, 93,94,97,102,115,121-123)
50	715-04102	Dowel Pin 9x12	73	951-12514	Oil Drain Plug
51	715-04092	Dowel Pin 7x14	74	951-12400	Oil Seal 30x46x8
52	951-12072	Camshaft Assy.	137	951-05048	Gasket Kit - External (Incl.97,115,121-123)
53	951-11374	Crankcase Cover Gasket	138	951-05047	Gasket Kit - Complete (Incl.46,53,59,74,94,97, 115,121-123)
54	736-04545	Washer 16x24x0.5	139	952Z178-LU	Complete Engine
55	951-11283	Oil Fill Plug Assembly			
56	951-11577	O-Ring 15.8x2.5			
58	951-12395	Crankcase Cover			
	951-05049	Crankcase Cover Kit (Incl.43,53,54,58-62)			

# 178-LU Fuel Tank & Mounting

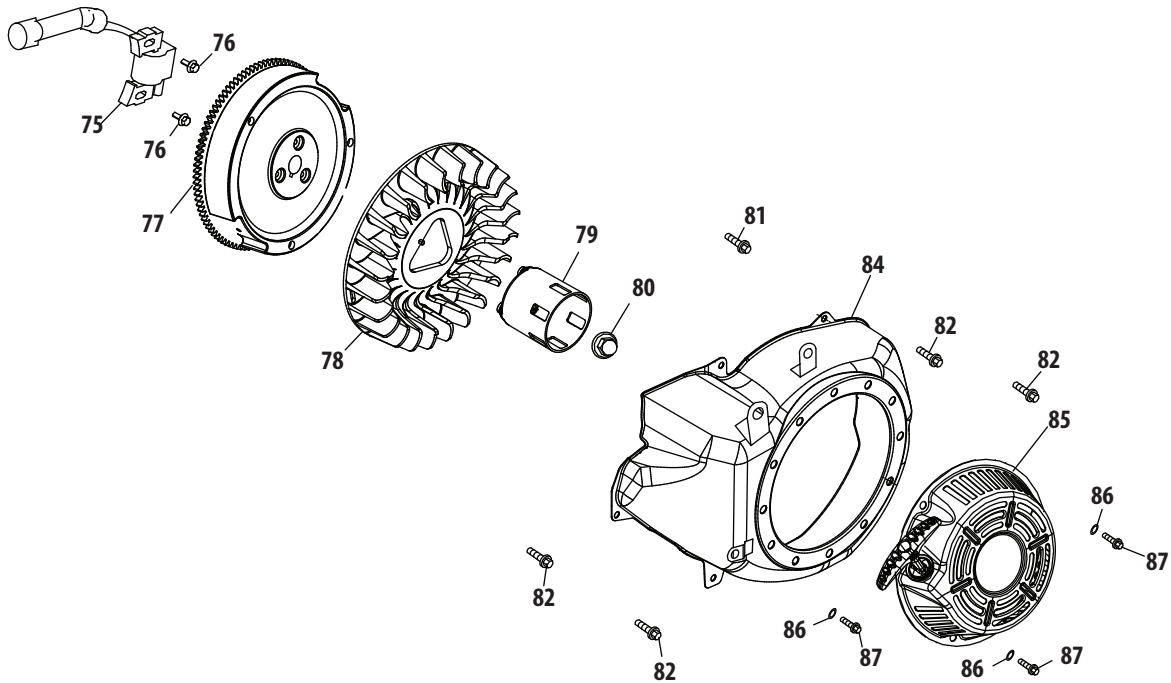


Ref.	Part Number	Description
1	951-12535	Fuel Cap Assembly
1	951-14076	Tether
2	951-14265	Fuel Level Indicator
3	710-04970	Bolt M8×20
4	750-05312	Gas Tank Isolator
5	951-14376	Rollover Valve Assembly
6	951-14377	Fuel Hose Clamp
7	951-14380	Primer Hose
8	750-05313	Gas Tank Isolator
9	951-14381	Fuel Tank Assembly
10	951-11184	Governor Cover
11	951-14383	Rear Mounting Bracket Assy.
12	951-14384	Decorate Cover
13	710-04968	Bolt M6×16
14	736-04452	Isolator Bushing
15	951-11200	Fuel Line Kit
16	951-11700	Fuel Hose Clamp

Ref.	Part Number	Description
17	951-14385	Carbon Canister Bracket
18	710-04915	Bolt M6×12
19	951-14386	Carbon Canister
20	951-14387	Breather Hose Clamp
21	951-14388	Primer Hose
22	710-04921	Bolt M8×14
23	951-14389	Gas Tank Support Bracket
24	712-04219	Nut M8
26	712-04212	Nut M6
27	710-04908	Governor Arm Bolt
28	951-14200	Governor Arm
29	951-11202	Governor Spring
30	951-11203	Throttle Linkage Spring
31	951-11204	Throttle Linkage
32	951-12386	Component Bracket
33	710-04916	Bolt, M6×14

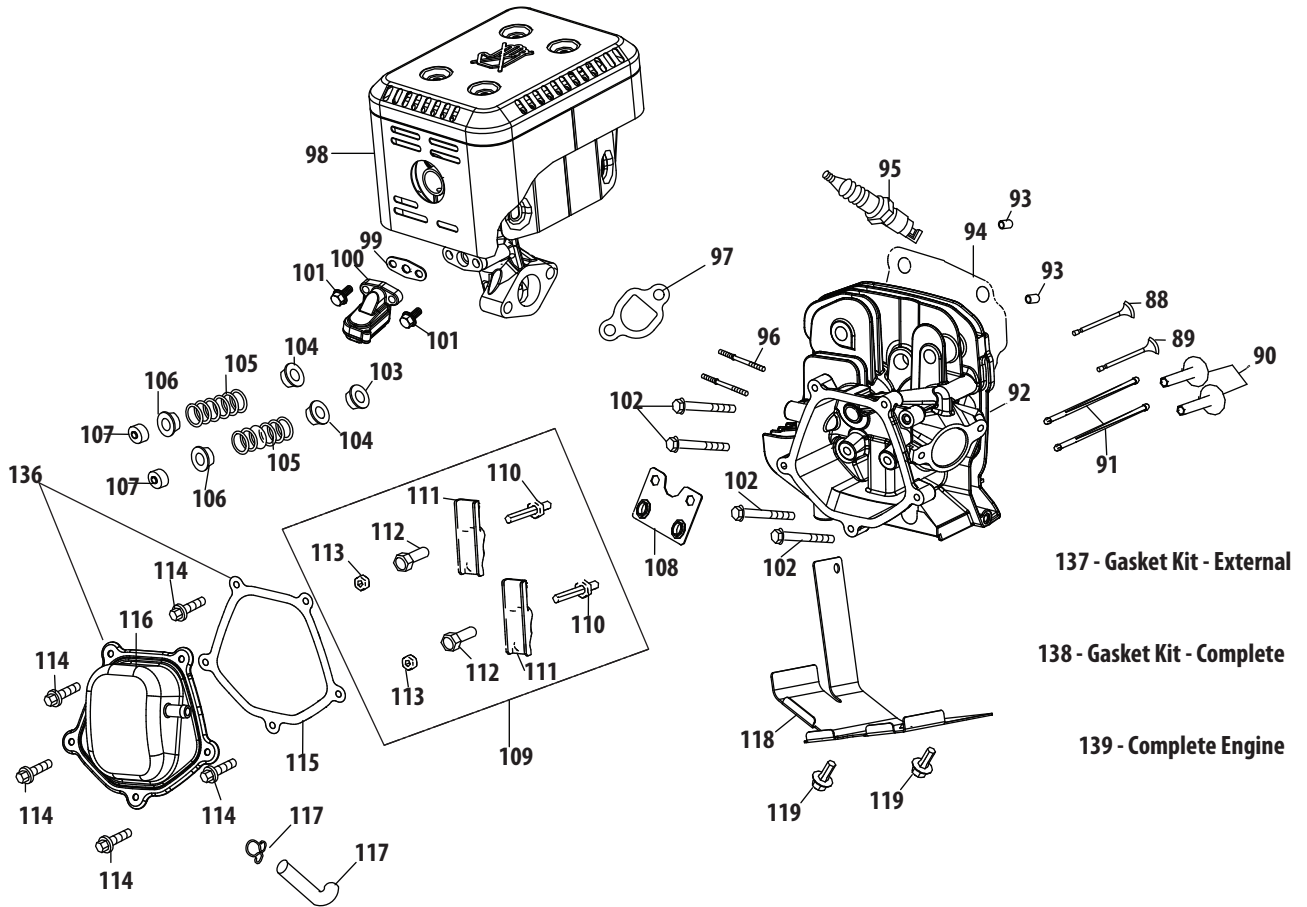


# 178-LU Flywheel & Blower Housing



Ref.	Part Number	Description
75	951-12375	Ignition Coil Assembly
76	710-05350	Ignition Coil Bolt
77	951-12401	Flywheel
78	951-11217	Fan, Cooling
79	951-11218	Pulley, Starter
80	712-04220	Nut, Special, M16x1.5
81	710-04968	Bolt M6x16
82	710-04915	Bolt M6x12
84	951-12402	Starter Housing
85	951-12376	Recoil Starter
86	736-04455	Gasket 6
87	710-04974	Bolt M6x10

# 178-LU Cylinder Head

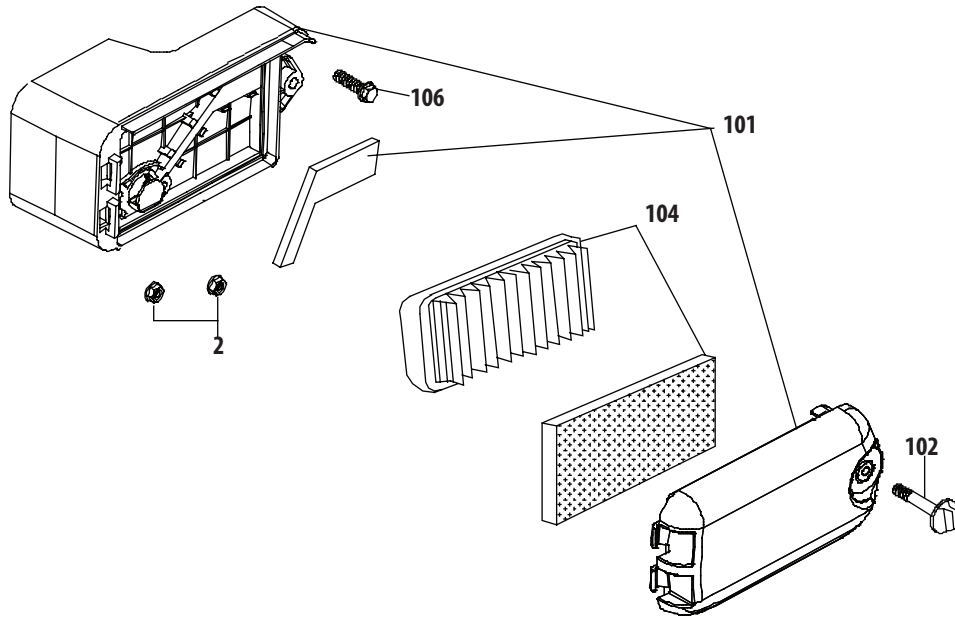


## 178-LU Cylinder Head

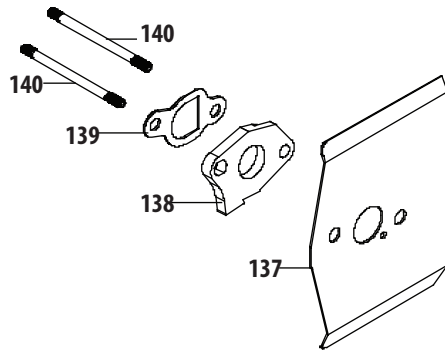
Ref.	Part Number	Description
88	951-11198	Valve Kit
89	951-11198	Valve Kit
90	951-11962	Tappet
91	951-11199	Push Rod Kit
92	951-11226	Cylinder Head Kit (Incl.94,102,103,116)
	951-05046	Cylinder Head Assembly (Incl.88,89,92,94,96,97,102-108, 110-113,115,120-123)
93	715-04097	Dowel Pin 12×20
94	951-12076	Gasket, Cylinder Head
95	951-10292	Spark Plug/F6Rtc
96	710-04964	Stud M8×48.5
96	951-11207	Muffler Stud Assembly
97	951-11212	Exhaust Pipe Gasket
98	951-12404	Muffler Assembly
99	951-12743	Secondary Air Gasket
100	951-05043	Reed Valve Assembly
101	710-06094	Bolt M6×16
102	710-04965	Bolt M10×1.25×80
103	951-11964	Intake Valve Seal
104	951-12077	Valve Spring Retainer
105	951-12078	Valve Spring

Ref.	Part Number	Description
106	951-12080	Retainer, Ex.Valve Spring
107	951-12081	Adjuster, Exh Valve
108	951-11965	Push Rod Guide
109	951-11981	Rocker Arm Assembly
110	710-04962	Bolt, Pivot
111	951-11966	Rocker Arm
112	751-11123	Adjusting Nut ,Valve
113	751-11124	Nut, Pivot Locking
114	710-05054	Valve Cover Bolt
115	951-11967	Valve Cover Gasket
116	951-11220	Valve Cover
117	731-07059	Breather Hose
117	726-04101	Hose Clamp
118	951-12405	Air Shield
119	710-04915	Bolt M6×12
136	951-11333	Valve Cover Kit
137	951-05048	Gasket Kit - External (Incl.97,115,121-123)
138	951-05047	Gasket Kit - Complete (Incl.46,53,59,74,94,97, 115,121-123)
139	952Z178-LU	Complete Engine

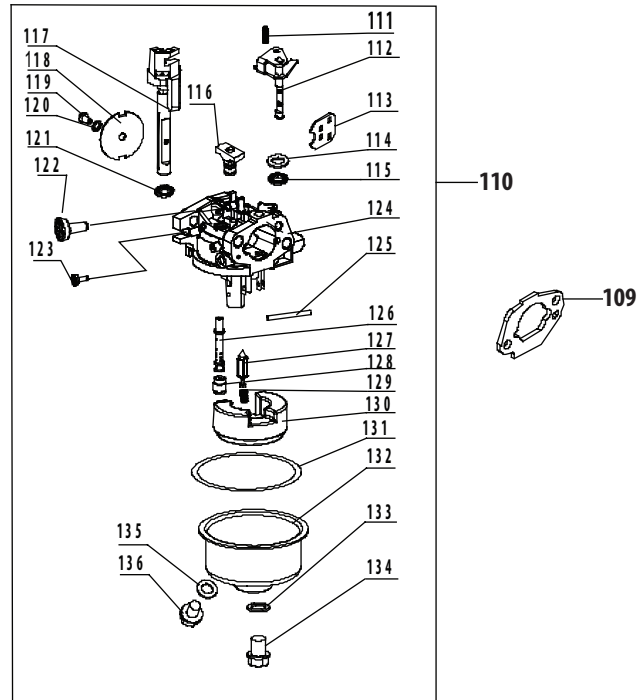
# Engine Model 1P61LH Air Cleaner



Ref.	Part Number	Description
2	712-04212	Nut M6X10Mm Starter/Carb/Muff
101	951-10882	Air Cleaner Housing Ass'Y
102	951-10297	Air Filter Cover Thumb Screw
104	951-12842	Air Filter Element, Sponge Pre-Filter
106	710-04980	Bolt M6X35 Af Base/Brake/Dipstick



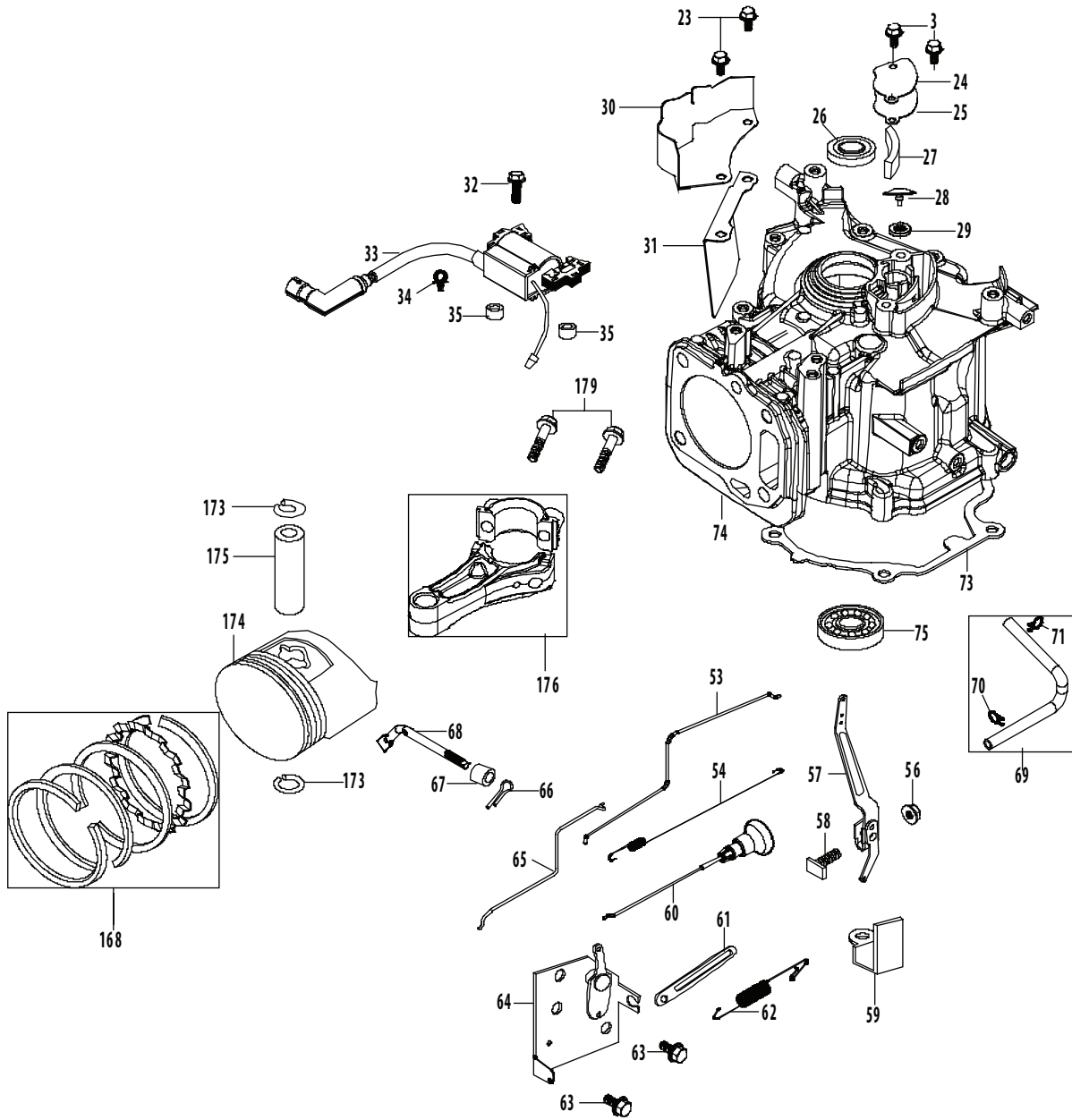
**184-Carburetor Kit - Major**



Ref.	Part Number	Description
109	951-11525	Carburetor Gasket Plate
110	651-05199	Carburetor Assembly
111	n/a	Detent Spring
112	n/a	Choke Shaft
113	n/a	Choke Plate
114	736-04556	Choke Shaft Washer
115	n/a	Choke Shaft Fiber O-Ring
116	n/a	Idle Jet Assembly
117	n/a	Throttle Shaft
118	n/a	Throttle Plate
119	710-05469	Screw M3X6 Throttle Plate
120	736-04638	Throttle Plate Lock Washer
121	n/a	Throttle Shaft Fiber O-Ring
122	n/a	Idle Speed Adjusting Screw
123	n/a	Idle Mixture Screw
124	n/a	Carburetor Body
125	n/a	Float Pin

Ref.	Part Number	Description
126	n/a	Emulsion Tube
127	n/a	Needle Valve
128	n/a	Main Jet
129	n/a	Needle Valve Spring
130	n/a	Float
131	n/a	Fuel Bowl O-Ring
132	n/a	Fuel Bowl
133	n/a	Fuel Bowl Gasket
134	n/a	Fuel Bowl Mounting Bolt
135	n/a	Fuel Drain Plug Gasket
136	710-04938	Fuel Drain Plug
137	951-12451	Carburetor Gasket
138	951-11738	Carburetor Insulator
139	951-11528	Carburetor Insulator Gasket
140	710-05093	Carb Stud M6X92
184	751-12178A	Carburetor Kit - Major (Incl.115,120,121,124-130,132,134)

# 1P61LH Crankcase



181-Gasket Kit - Complete

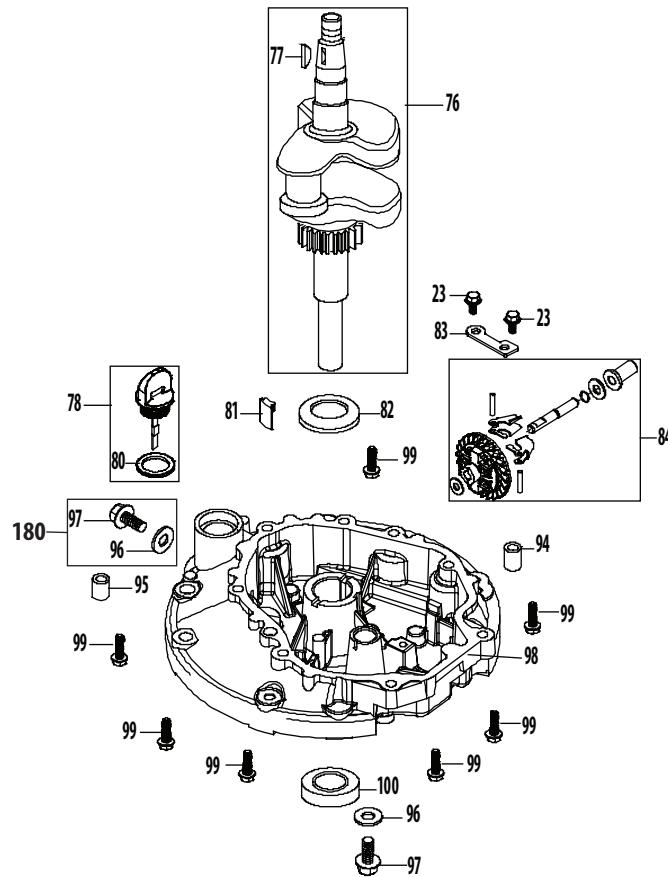
182-Gasket Kit - External

183-Complete Engine

## 1P61LH Crankcase

Ref.	Part Number	Description	Ref.	Part Number	Description
23	710-04916	Bolt M6X14 Multi-Purpose	66	714-04074	Governor Arm Shaft Cotter Pin
24	951-12684	Breather Cover Plate	67	951-11574	Governor Seal
25	951-11729	Breather Gasket	68	951-11621	Governor Arm Shaft
26	951-11596	Upper Crankshaft Seal	69	951-11520	Breather Hose Assembly
27	951-11730	Breather Screen	70	726-04101	Breather Hose Clamp
28	951-12685	Breather Valve	71	726-04128	Breather Hose Clamp
29	951-12686	Breather Valve Base	73	951-11732	Crankcase Cover Gasket
30	951-11673	Engine Brake Cover Plate	74	751-12733	Short Block Assembly (Incl.22-28,65-67,72-76,81-83, 93-99,108,137,138,154,157, 162,163,165-167,172-175)
31	951-11602	Label Bracket	75	951-11369	Main Bearing
32	710-04969	Bolt M6X30 Af Base/Coil/E-Starter	168	951-12615	Piston Ring Set
33	951-10620	Ignition Coil Assembly	173	951-11603	Piston Pin Snap Ring
34	951-11674	Ignition Wire Clip	174	951-11828	Piston
35	951-11675	Ignition Coil Spacer	175	951-11604	Piston Pin
53	951-11677	Throttle Linkage	176	951-11744	Connecting Rod Assembly
54	951-11522	Throttle Linkage Spring	179	710-05115	Connecting Rod Bolt
56	712-04212	Governor Arm Nut M6	181	751-12734	Gasket Kit - Complete (Incl.24,25,66,72,79,95,99, 136-138,154,157,162)
57	951-11678	Governor Arm	182	751-12735	Gasket Kit - External (Incl.24,79,95,136-138,154,157)
58	710-04908	Governor Arm Bolt	183	952Z1P61LH	Complete Engine
59	951-11679	Governor Arm Guard			
60	951-10619	Choke Control			
61	951-11680	Flexible Clamp			
62	951-10387	Governor Spring			
63	710-04915	Bolt M6X12			
64	951-11681	Component Bracket			
65	951-11694	Choke Linkage			

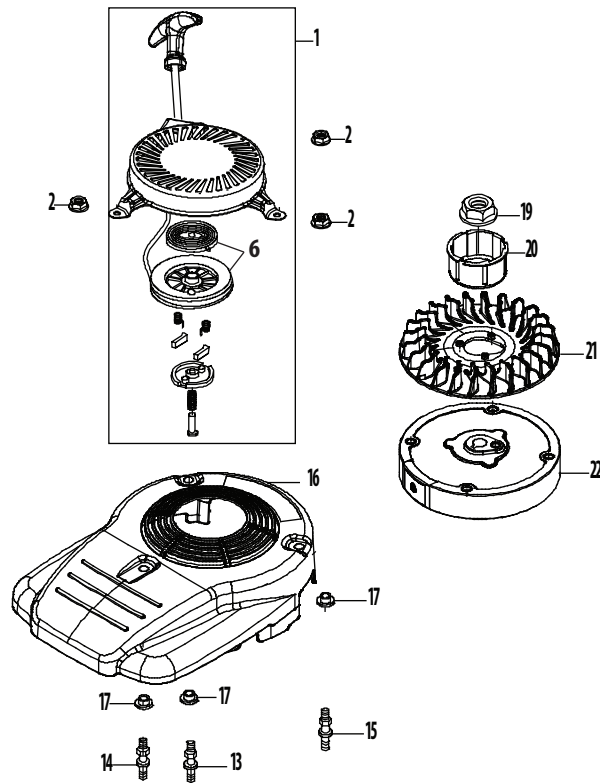
# 1P61LH Crankshaft



Ref.	Part Number	Description
23	710-04916	Bolt M6X14 Multi-Purpose
76	751-11822	Crankshaft Assembly
77	951-10307	Woodruff Key
78	951-10617	Dipstick Assembly
80	951-11734	Dipstick O-Ring
81	951-11733	Oil Return Seal
82	736-04491	Crankshaft Thrust Washer
83	951-11609	Governor Gear Mounting Plate
84	951-11549	Governor Gear/Shaft Assembly

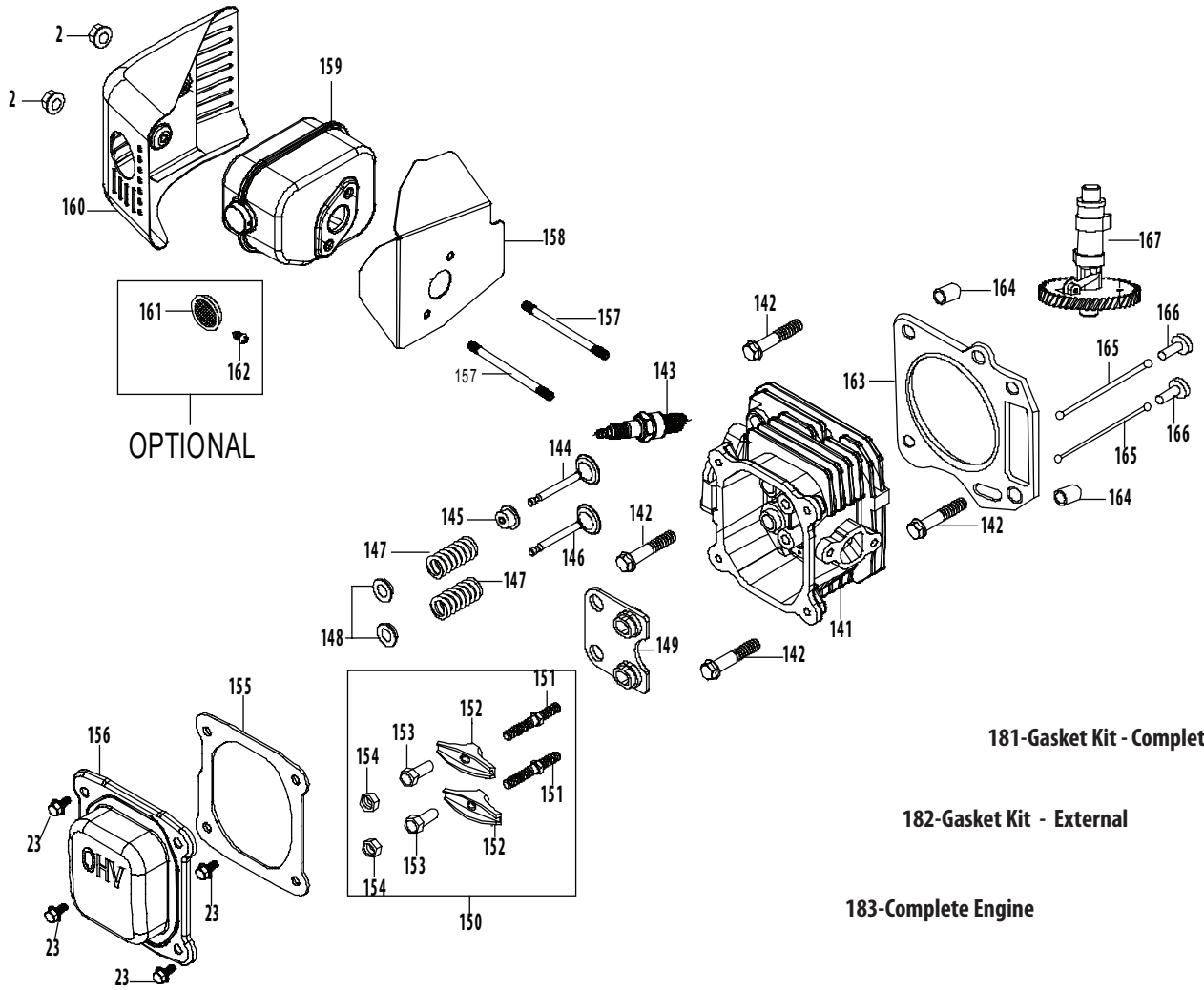
Ref.	Part Number	Description
94	715-04092	Crankcase Cover Dowel Pin 7×14
95	715-04089	Crankcase Cover Dowel Pin 9×14
96	736-04440	Oil Drain Plug Washer
97	710-04906	Oil Drain Plug
98	951-11823	Crankcase Cover
99	710-04931	Bolt M6X28 P65 Crankcase
100	951-11545	Lower Crankshaft Seal
180	751-10370	Oil Drain Plug & Washer Ass'Y





Ref.	Part Number	Description
1	951-12683	Recoil Starter Assembly
2	712-04212	Nut M6X10Mm Starter/Carb/Muff
6	951-11721	Recoil Pulley & Spring Ass'Y
14	951-11723	Starter/Shroud Stud Front/Unmarked/Ye Zinc
15	951-11724	Starter/Shroud Stud Right/White/Ye Zinc
16	731-05692	Engine Shroud (M0)
17	750-05320	Engine Shroud Spacer
18	951-12876	Engine Shroud Assembly (M0)
19	712-04287	Flywheel Nut M14
20	951-12161	Starter Cup
21	951-10934	Cooling Fan
22	951-11042	Flywheel

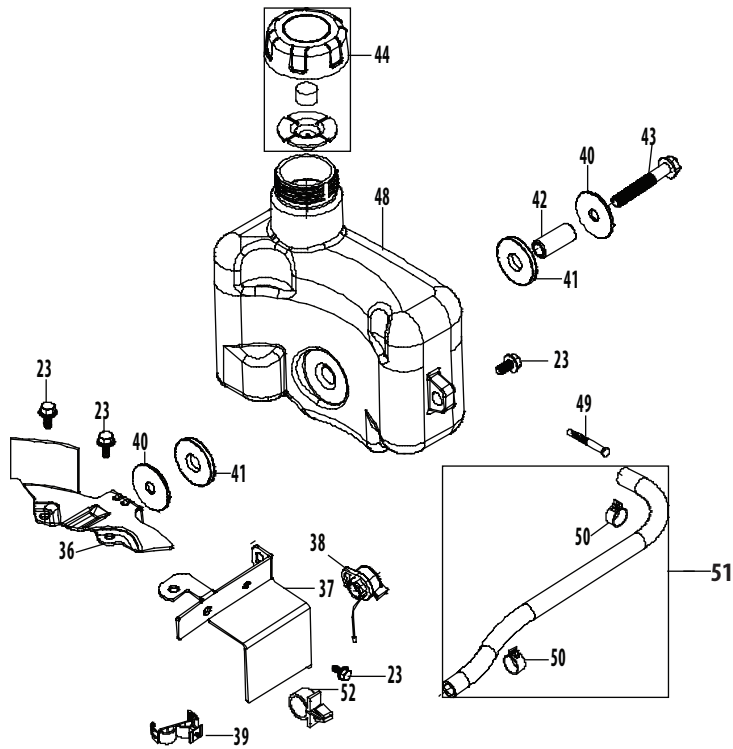
# 1P61LH Cylinder Head



## 1P61LH Cylinder Head

Ref.	Part Number	Description	Ref.	Part Number	Description
2	712-04212	Nut M6X10Mm Starter/Carb/Muff	156	951-11548	Valve Cover
23	710-04916	Bolt M6X14 Multi-Purpose	157	710-05094	Muffler Stud M6X95
141	951-11746	Cylinder Head (Incl.137,138,140,143-148, 150-154,157,162)		751-10342	Muffler Stud Ass'Y
	951-10846A	Cylinder Head Svc Kit (Incl.141,144,156,162)	158	951-11739	Muffler Gasket
142	710-04982	Bolt M8X54 Cylinder Head	159	951-10403	Muffler Assembly
143	951-10292	Spark Plug/F6Rtc	160	951-11791	Muffler Shield
144	951-10313	Valve Kit	161	951-10351	Spark Arrestor
145	951-11818	Intake Valve Seal	162	710-04983	Spark Arrestor Screw
146	951-10313	Valve Kit	163	951-11825	Cylinder Head Gasket
147	951-12004	Valve Spring	164	715-04108	Cylinder Head Dowel Pin 10x16
148	951-11977	Valve Spring Retainer	165	951-10314	Push Rod
149	951-11687	Push Rod Guide		751-10314	Push Rod Kit
150	951-11606	Rocker Arm Assembly	166	951-11607	Tappet
151	710-04902	Rocker Arm Stud	167	951-11826	Camshaft Assembly
152	951-12001	Rocker Arm	181	751-12734	Gasket Kit - Complete (Incl.24,25,66,72,79,95,99, 136-138,154,157,162)
153	751-11123	Fulcrum Nut	182	751-12735	Gasket Kit - External (Incl.24,79,95,136-138,154,157)
154	751-11124	Jam Nut	183	952Z1P61LH	Complete Engine
155	951-11551	Valve Cover Gasket			

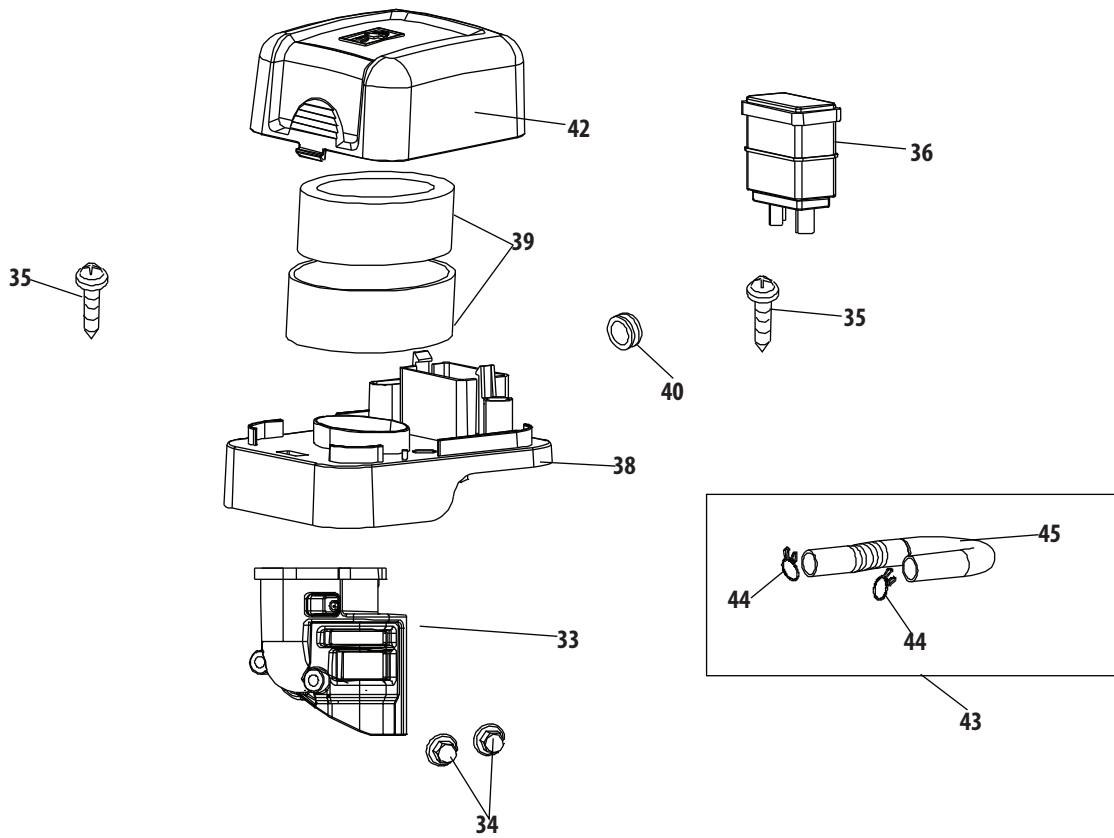
# 1P61LH Fuel Tank



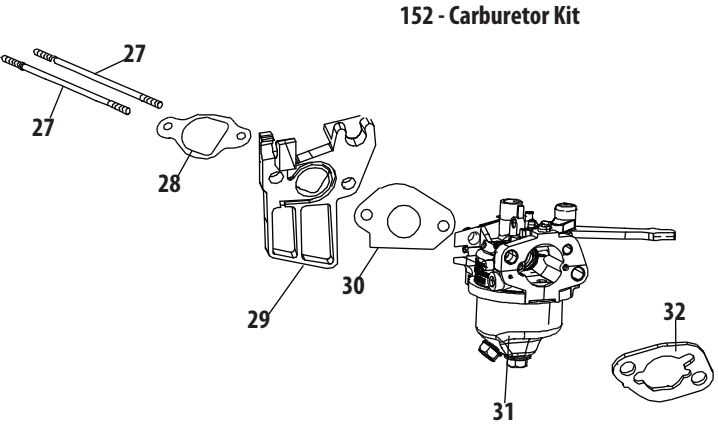
Ref.	Part Number	Description
23	710-04916	Bolt M6X14 Multi-Purpose
36	951-11542	Fuel Tank Bottom Bracket
37	951-12450	Fuel Tank / Console Bracket
38	951-10622	Ignition Switch
39	951-11676	Wire Clamp
40	736-04456	Fuel Tank Washer
41	951-10335	Rubber Bushing
42	750-05322	Fuel Tank Bushing
43	710-04922	Bolt M8X50 Fuel Tank
44	951-10300	Fuel Cap Assembly
48	951-10337	Fuel Tank Assembly
49	951-10358A	Fuel Filter
50	951-11731	Fuel Hose Clamp
51	951-11336	Fuel Line Kit
52	723-04071	Plastic Support Clamp



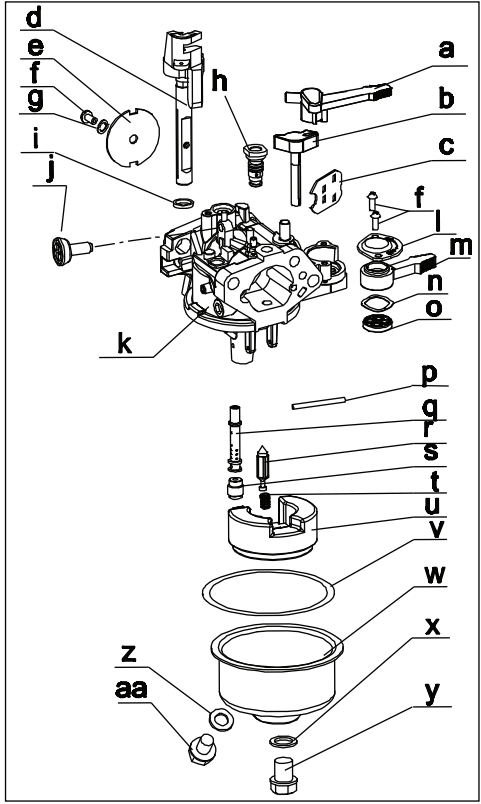
# Engine Model 170-CU Air Filter



Ref.	Part Number	Description
33	951-14315	Air Cleaner Housing
34	712-04213	Nut
35	951-14068	Self-Tapping Bolt4.2x16
36	951-14069	Carbon Canister
38	951-14070	Silencer Plate
39	951-14262	Air Filter Assembly
40	750-05314	Damper Gasket
42	951-12136	Air Cleaner Cover
43	751-14072	Primer Hose
44	951-14073	Clamp
45	951-14074	Exhaust Piping



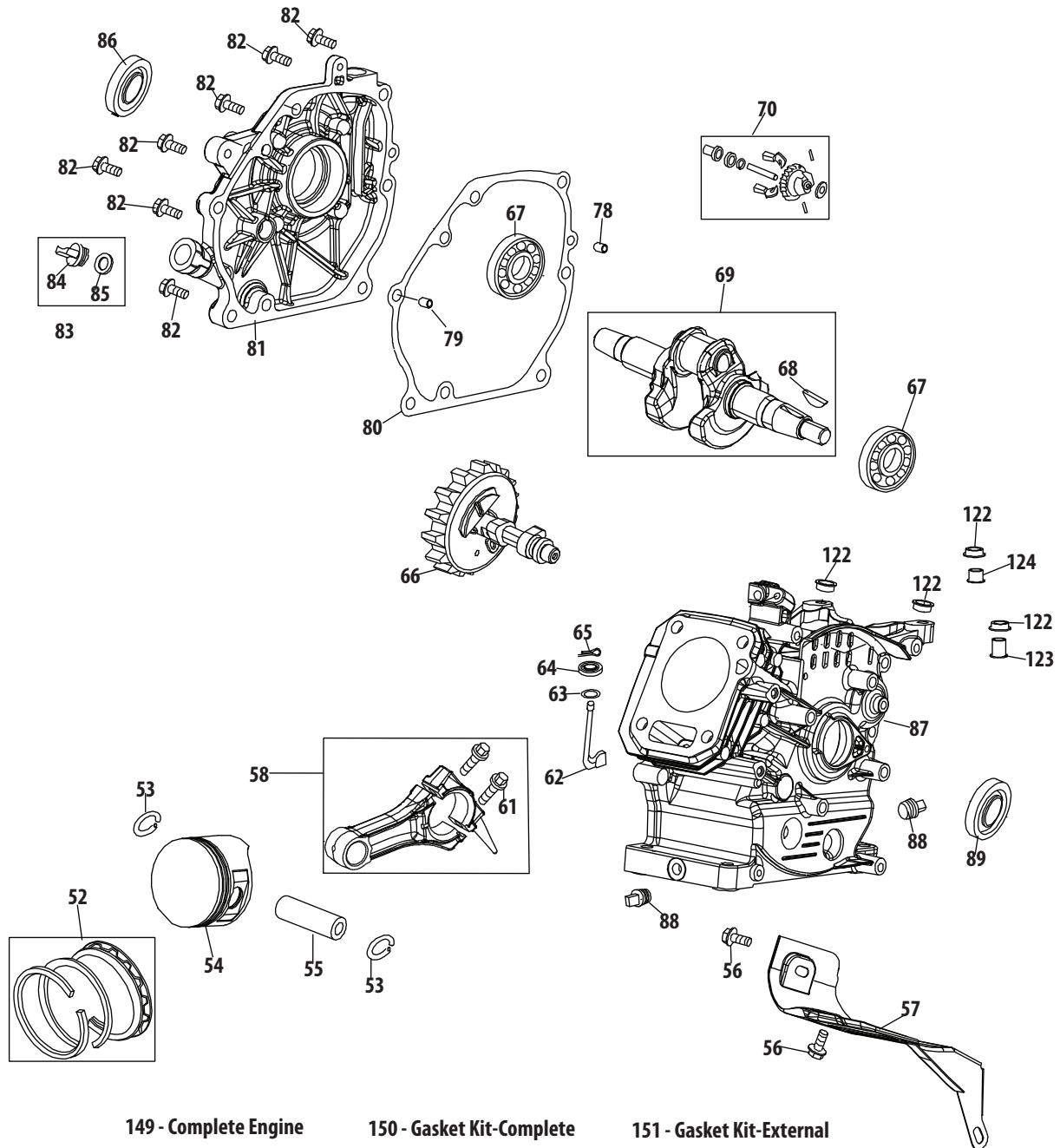
152 - Carburetor Kit



Ref.	Part Number	Description
27	710-05101	Stud M6x110
28	951-11567	Carburetor Insulator Gasket
29	951-11568	Carburetor Insulator
30	951-11569A	Carburetor Gasket
31	951-05106	Carburetor Assembly
32	951-11571	Carburetor Gasket Plate
152	951-05107	Carburetor Kit (Incl.h,p,q,r,s,t,u,v,x,z)
a	n/a	Control Lever,Choke
b	n/a	Choke Shaft
c	n/a	Choke Plate
d	n/a	Throttle Shaft
e	n/a	Throttle Plate
f	710-05469	Screw M3x6
g	736-04638	Lock Washer
h	793-00118	Idle Jet Assembly
i	n/a	Gasket, Throttle Plate
j	n/a	Idle Speed Adjusting Screw

Ref.	Part Number	Description
k	n/a	Carburetor Body
l	n/a	Fuel Shutoff Cover
m	n/a	Fuel Shutoff Lever
n	n/a	Fuel Shutoff Washer
o	n/a	Fuel Shutoff Valve
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	951-11589	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

# 170-CU Crankcase



149 - Complete Engine

150 - Gasket Kit-Complete

151 - Gasket Kit-External

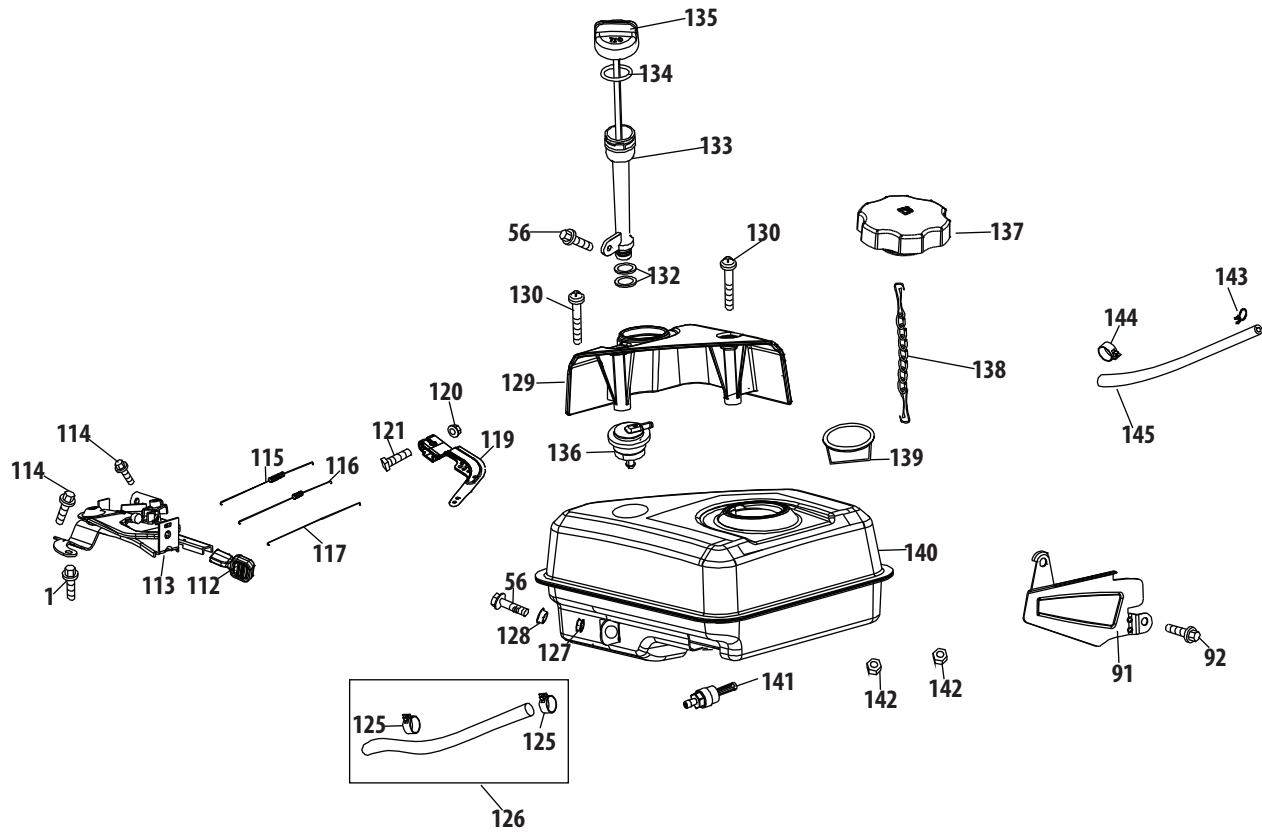


## 170-CU Crankcase

Ref.	Part Number	Description
52	951-14317	Piston Ring Set
53	951-11632	Piston Pin Snap Ring
54	951-14318	Piston
55	951-11633	Piston Pin
56	710-04915	Bolt M6×12
57	951-11113	Air Shield
58	951-11573	Connecting Rod Assembly
61	710-05116	Connecting Rod Bolt
62	951-14053	Governor Arm
63	736-04461	Washer 5.2×1.9
64	951-11902	Governor Seal
65	714-04078	Cotter Pin
66	951-11575A	Camshaft Assembly
67	951-11369	Radial Ball Bearing, 6205
68	951-10307	Woodruff Key
69	951-12133	Crankshaft Assembly
69	951-05120	Crankshaft Kit (Incl.67-69,86,89)
70	917-05007	Governor Gear/Shaft Assembly
78	715-04092	Dowel Pin 7×14
79	715-04096	Dowel Pin 9×14
80	951-11371	Crankcase Cover Gasket
81	951-12125	Crankcase Cover

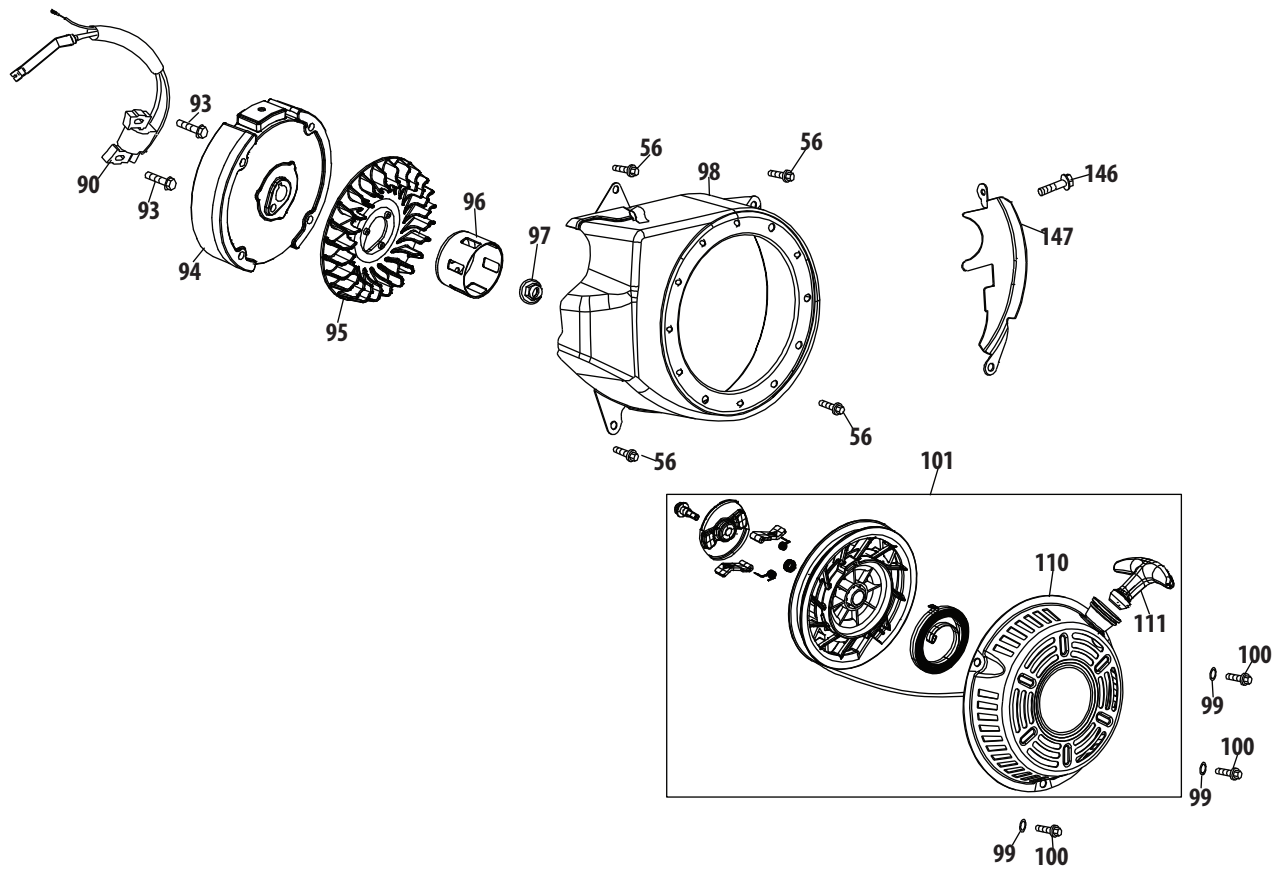
Ref.	Part Number	Description
81	951-14142	Crankcase Cover Kit (Incl.67,80,81,82,85,86,88)
82	710-04932	Bolt M8×32
83	951-11283	Oil Fill Plug Assembly
84	951-12514A	Oil Plug
85	951-11577	O-Ring 15.8×2.5
86	951-11578	Oil Seal, 25×41.25×6
87	951-05121	Crankcase Kit (Incl.64,67,83,,86,87,89)
87	951-12122A	Short Block Assembly (Incl.5,25,28-30,46,48,49, 52-55,58-82,85-89)
88	951-12394	Oil Drain Plug
89	951-12126	Oil Seal 25×41.25×6
122	735-04266	Damping Rubber Pad
123	735-04265	Bush
124	735-04267	Bush
149	952Z170-CU	Complete Engine
150	951-05032	Gasket Kit-Complete (Incl.5,25,28-30,32,46, 63,64,80,86,89)
151	951-12026A	Gasket Kit-External (Incl.5,25,28,30,32)

# 170-CU Fuel Tank



Ref.	Part Number	Description
1	710-04968	Bolt M6×16
56	710-04915	Bolt M6×12
57	951-11113	Air Shield
91	951-11110	Air Flow Shield
92	710-04940	Bolt M6×10
112	951-11067	Throttle Control Knob
113	951-12131	Primer Bracket
114	710-05103	Bolt M6×12
115	951-11585	Governor Spring
116	951-10664	Throttle Linkage Spring
117	951-10665	Throttle Linkage
119	951-11106	Governor Arm
120	712-04212	Nut M6
121	710-04908	Governor Arm Bolt
125	951-11700	Fuel Hose Clamp
126	951-10650	Kit-Fuel Line
127	750-05314	Rubber Shock Pad

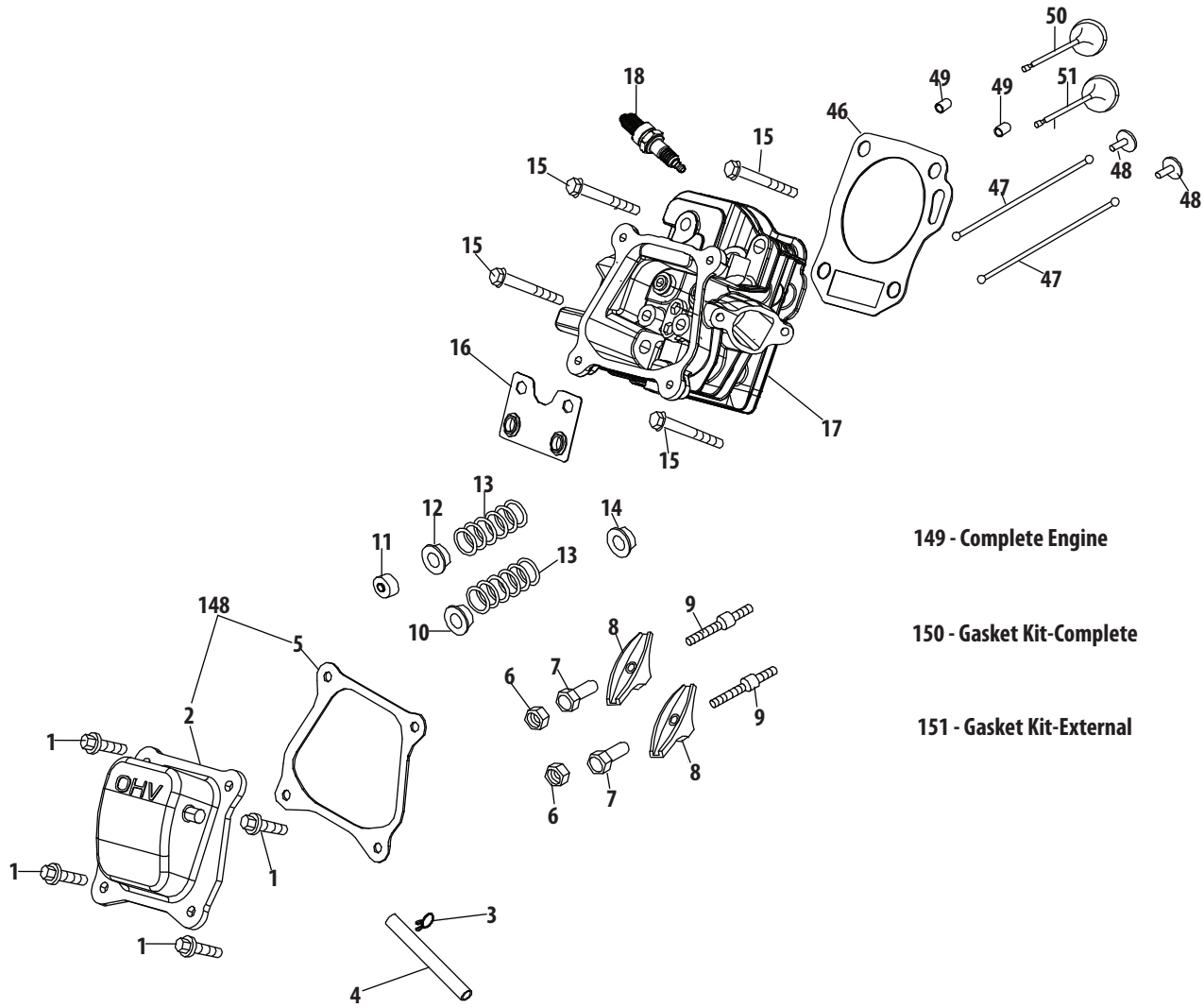
Ref.	Part Number	Description
128	735-04268	Bush
129	951-11914	Dipstick Decoration Cover
130	710-04905	Bolt
132	951-11381	Oil Fill Tube O-Ring
133	951-11913	Oil Fill Tube Assey (Incl.132,133)
134	921-04663	Oil Fill Tube O-Ring
135	951-12482	Dipstick Assy - (Incl.134,135)
136	951-14075	Roll Over Valve
137	951-12535	Cap Comp,Fuel Feller
138	951-14076	Fuel Cap Chain
139	951-11933	Fuel Filter
140	951-14332	Fuel Tank
141	951-10651	Fuel Tank Nipple
142	712-05015	Nut M6
143	723-04093	Exhaust Piping
144	932-05143	Hose Clamp
145	951-14541	Primer Hose Assembly



Ref.	Part Number	Description
56	710-04915	Bolt 6x12
90	951-10792	Ignition Coil Assembly
93	710-04919	Bolt M6x25
94	951-14320	Flywheel
95	951-10934	Cooling Fan
96	951-10911	Starter Cup
97	712-04209	Flywheel Nut, M14 X 1.5
98	951-11583	Blower Housing

Ref.	Part Number	Description
99	736-04455	Gasket Ø6
100	710-04974	Bolt M6x10
101	951-12418	Recoil Starter Assembly
110	951-10663A	Blower Housing
111	931-09780	Starter Handle
146	710-04918	Bolt M6x20
147	951-14138	Blower Housing Shield

# 170-CU Cylinder Head



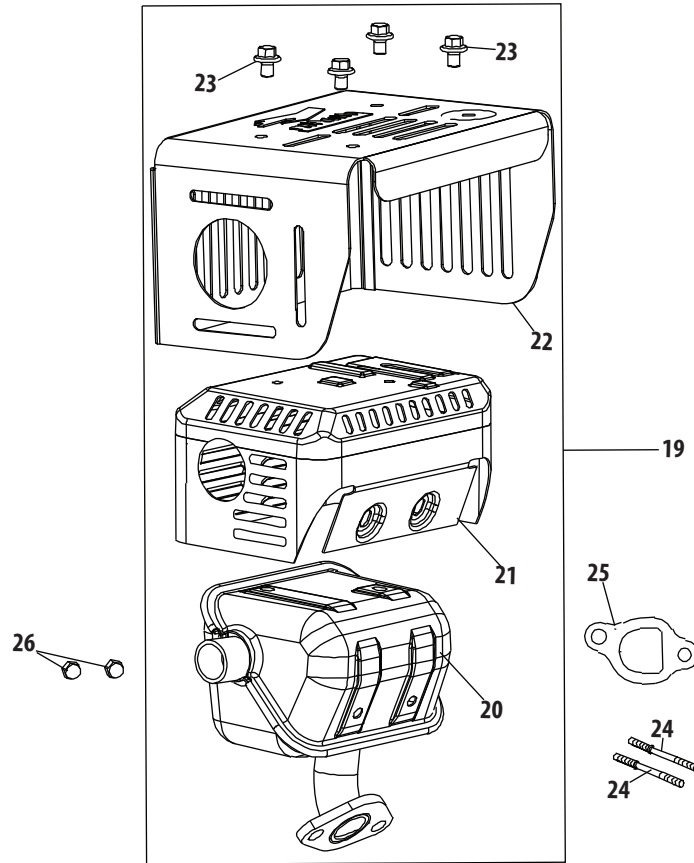
149 - Complete Engine

150 - Gasket Kit-Complete

151 - Gasket Kit-External

Ref.	Part Number	Description
1	710-04968	Bolt M6×16
2	951-11054B	Valve Cover
3	726-04101	Clamp, Fuel Hose
4	931-09541	Venting Hose
5	951-11565	Valve Cover Gasket
6	751-11124	Nut, Pivot Locking
7	751-11123	Adjusting Nut ,Valve
8	951-11893	Rocker Arm
9	710-04902	Bolt, Pivot
10	951-12000	Valve Spring Retainer (Intake)
11	951-12002	Exhaust Lash Cap
12	951-12003	Valve Spring Retainer (Exhaust)
13	951-12004	Valve Spring
14	951-11894	Valve Seal (Intake)
15	710-06080	Bolt M8×55
16	951-11895	Push Rod Guide
17	951-05029	Cylinder Head Assembly (Incl.5-14,16,17,25,28-30,46,50,51)
18	951-10292	Spark Plug/F6Rtc
46	951-14316	Gasket, Cylinder Head
47	951-10648	Kit-Push Rod
48	951-11899	Tappet
49	715-04108	Dowel Pin 10×16
50	951-10647A	Valve Kit
51	951-10647A	Valve Kit
148	951-05033	Valve Cover Kit
149	952Z170-CU	Complete Engine
150	951-05032	Gasket Kit-Complete (Incl.5,25,28-30,32,46, 63,64,80,86,89)
151	951-12026A	Gasket Kit-External (Incl.5,25,28,30,32)

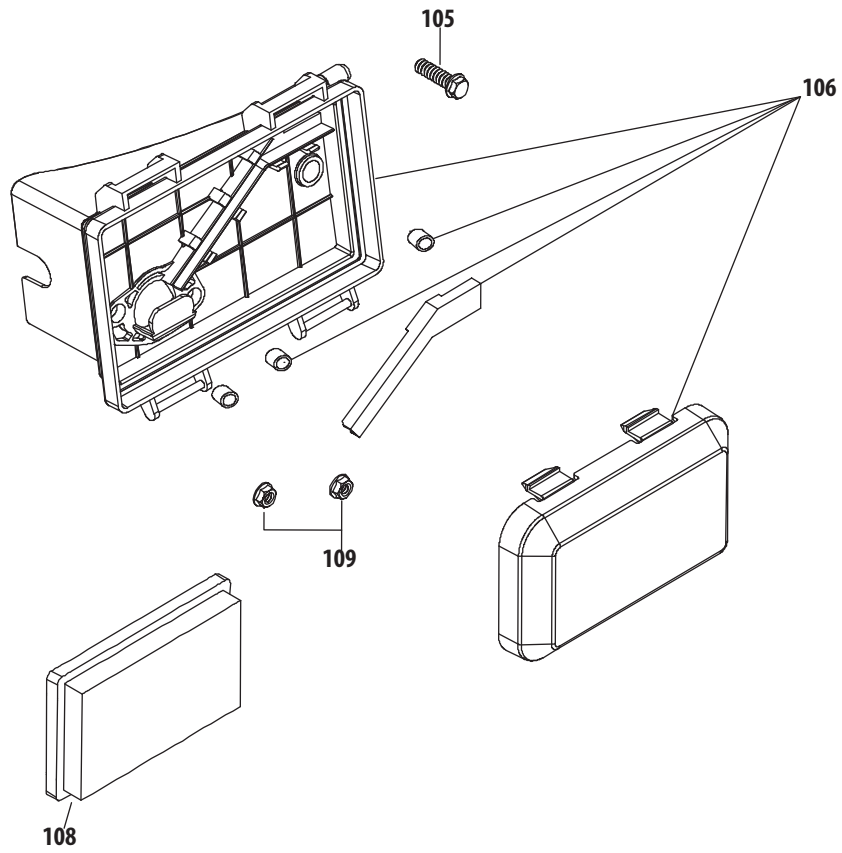
# 170-CU Muffler



Ref.	Part Number	Description
19	951-12123	Muffler Assembly
20	951-14271	Muffler Body
21	951-14268	Muffler Shield
22	908-05060	Muffler Guard
23	710-06073	Bolt M5×8
24	710-04911	Stud M8×34
24	951-10657	Muffler Stud Assy
25	951-11289	Exhaust Pipe Gasket
26	712-04214	Nut, M8

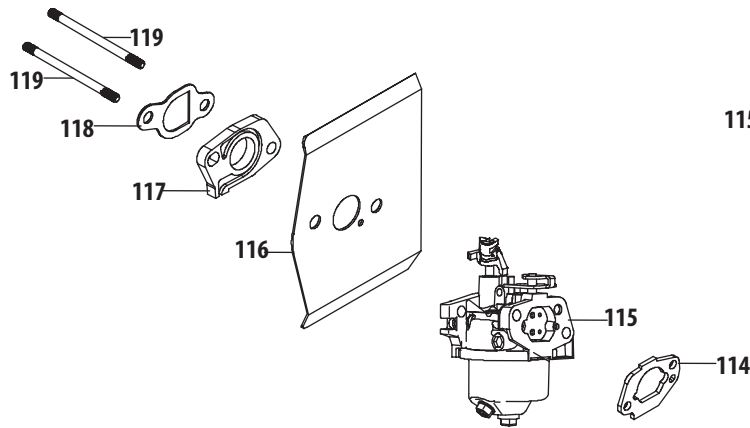


# Engine Model 1X65CU Air Cleaner

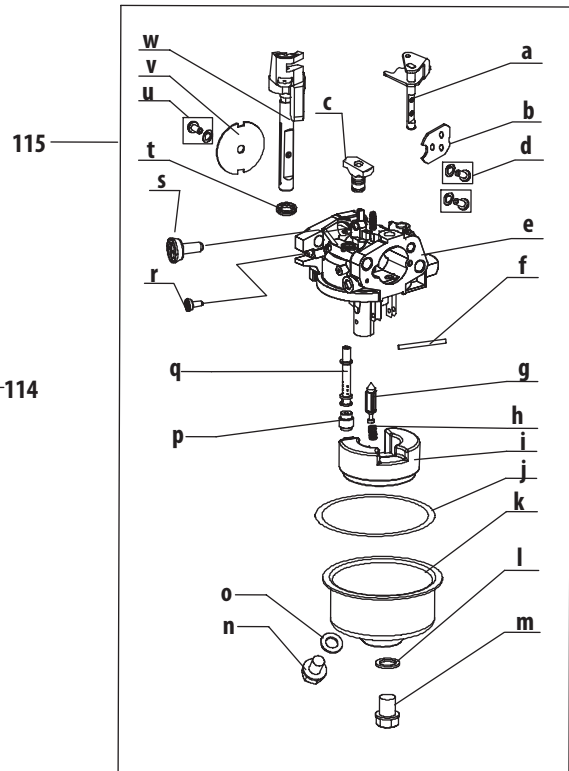


Ref.	Part Number	Description
105	710-04969	Bolt M6X30 Af Base/Coil/E-Starter
106	951-14439	Air Cleaner Housing Ass'Y
108	951-10298	Air Filter
109	712-05015	Nut M6X10Mm Starter/Carb/Muff





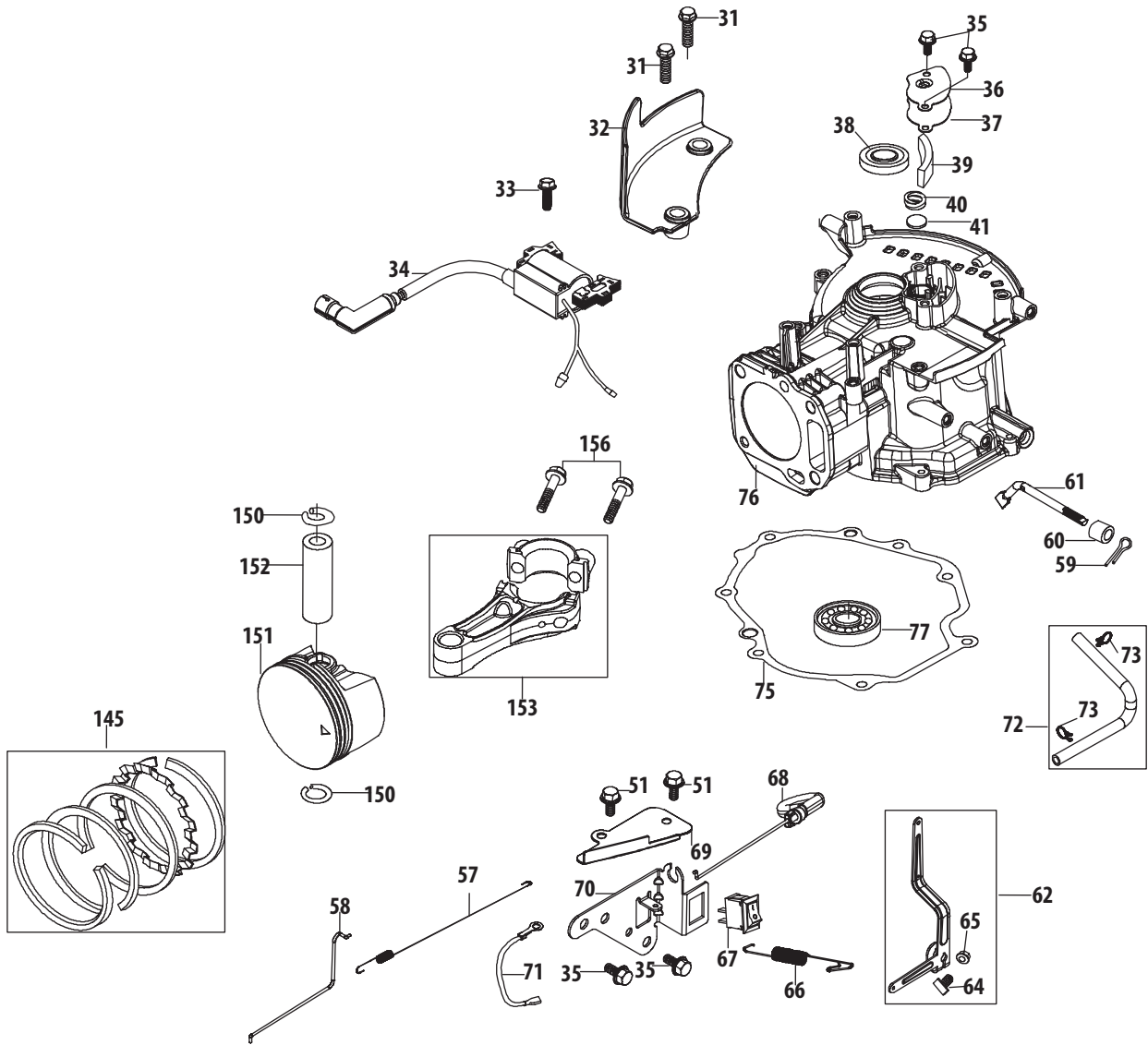
163 - Carburetor Kit



Ref.	Part Number	Description
114	951-14419	Air Filter Base Gasket
115	951-14608	Carburetor Assembly
116	951-14424	Carburetor Gasket
117	951-11738	Carburetor Insulator
118	951-11528	Carburetor Insulator Gasket
119	951-14425	Carb Stud M6×87
163	951-14616	Carburetor Kit (Incl.d,g,h,l,j,m,p,q,r,s,u)
a	n/a	Choke Shaft
b	n/a	Choke Plate
c	n/a	Idle Jet
d	n/a	Bolt M3×5
e	n/a	Carburetor Body
f	n/a	Float Pin
g	n/a	Needle Valve
h	n/a	Needle Valve Spring

Ref.	Part Number	Description
i	n/a	Float
j	n/a	O-Ring, Float Bowl
k	n/a	Float Bowl
l	n/a	Gasket, Drain Bolt
m	n/a	Drain Bolt
n	n/a	Bolt, Float Bowl
o	n/a	O-Ring, Float Bowl
p	n/a	Idle Jet
q	n/a	Nozzle Tube
r	n/a	Mixture Screw
s	n/a	Idle Speed Adjusting Screw
t	n/a	Gasket
u	n/a	Bolt M3×6
v	n/a	Throttle Plate
w	n/a	Throttle Plate

# 1X65CU Crankcase



160 - Complete Engine

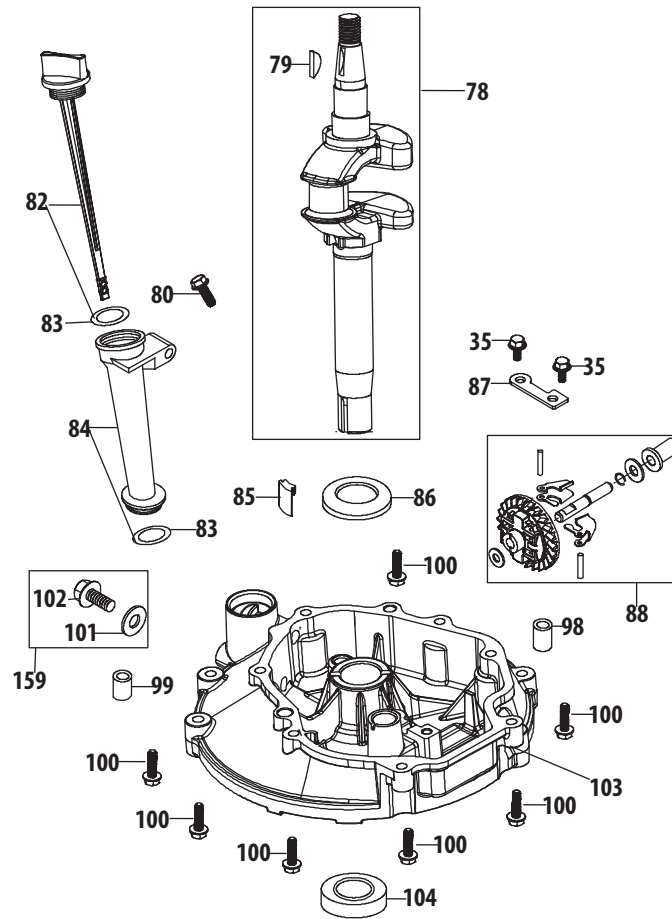
161 - Gasket Kit - Complete

162 - Gasket Kit - External

## 1X65CU Crankcase

Ref.	Part Number	Description	Ref.	Part Number	Description
31	710-04919	Bolt M6x25 Cover Plate	70	951-14413	Component Bracket
32	951-14597	Engine Brake Cover Plate	71	951-14606	Ignition Switch Ground Wire
33	710-04918	Bolt M6x20 Ignition Coil	72	951-11520	Breather Hose Assembly
34	951-14598	Ignition Coil Assembly	73	726-04101	Breather Hose Clamp
35	710-04916	Bolt M6X14 Multi-Purpose	75	951-14415	Crankcase Cover Gasket
36	951-14404	Breather Cover Plate	76	951-14617	Short Block
37	951-14405	Breather Gasket			(Incl.35-41,59-61,75-79,83,85-88,
38	951-11596	Upper Crankshaft Seal			98,99,101-104,114,117,118,134,
39	951-11730	Breather Screen			137,140,141,143-145,
40	732-04718	Breather Valve Spring			150-153,156)
41	951-11614	Breather Valve	77	951-11369	Main Bearing
51	710-04915	Bolt M6X12 Multi-Purpose	145	951-14433	Piston Ring Set
57	951-14409	Throttle Linkage Spring	150	951-11603	Piston Pin Snap Ring
58	951-14410	Throttle Linkage	151	951-14434	Piston
59	714-04074	Governor Arm Shaft Cotter Pin	152	951-14435	Piston Pin
60	951-11574	Governor Seal	153	951-14436	Connecting Rod Assembly
61	951-14416	Governor Arm Shaft	156	710-05115	Connecting Rod Bolt
62	951-14412	Governor Arm Assembly	160	952Z1X65CU	Complete Engine
64	710-04908	Governor Arm Bolt	161	951-14614	Gasket Kit - Complete
65	712-05015	Governor Arm Nut M6			(Incl.37,38,60,75,83,101,104,114,
66	951-14411	Governor Spring			116,117,118,134,137,140)
67	951-14603	Ignition Switch	162	951-14615	Gasket Kit -External
68	951-14604	Choke Control			(Incl.37,83,101,114,116,117,
69	951-14605	Air Vane Cover Plate			118,134,137)

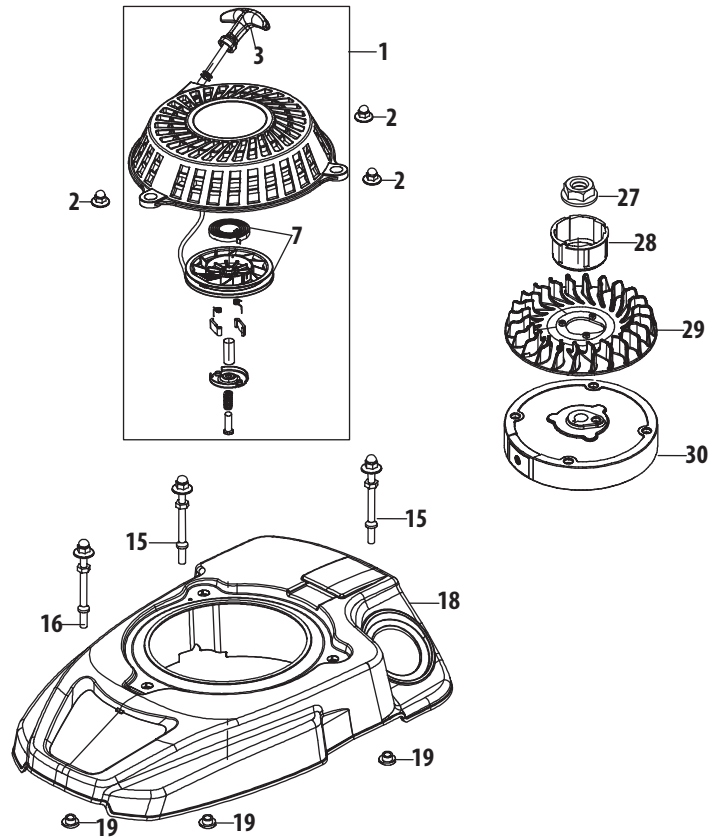
# 1X65CU Crankshaft



Ref.	Part Number	Description
35	710-04916	Bolt M6X14 Multi-Purpose
78	951-14607	Crankshaft Assembly
79	951-10307	Flywheel Key
80	710-04980	Bolt M6X35 Af Base/Brake/Dipstick
82	951-14612	Oil Dipstick Assembly
83	951-11547	Dipstick / Oil Fill Tube O-Ring
84	951-14613	Oil Fill Tube Assembly
85	951-11733	Oil Return Seal
86	736-04491	Crankshaft Thrust Washer
87	951-11609	Governor Gear Mounting Plate

Ref.	Part Number	Description
88	951-11549	Governor Gear/Shaft Assembly
98	715-04096	Crankcase Cover Dowel Pin 7x14
99	715-04089	Crankcase Cover Dowel Pin 9x14
100	710-04931	Bolt M6X28 X65/P65 Crankcase
101	736-04454	Oil Drain Plug Washer
102	951-11499	Oil Drain Plug
103	951-14418	Crankcase Cover
104	951-11545	Lower Crankshaft Seal
159	951-10370	Oil Drain Plug & Washer Ass'Y

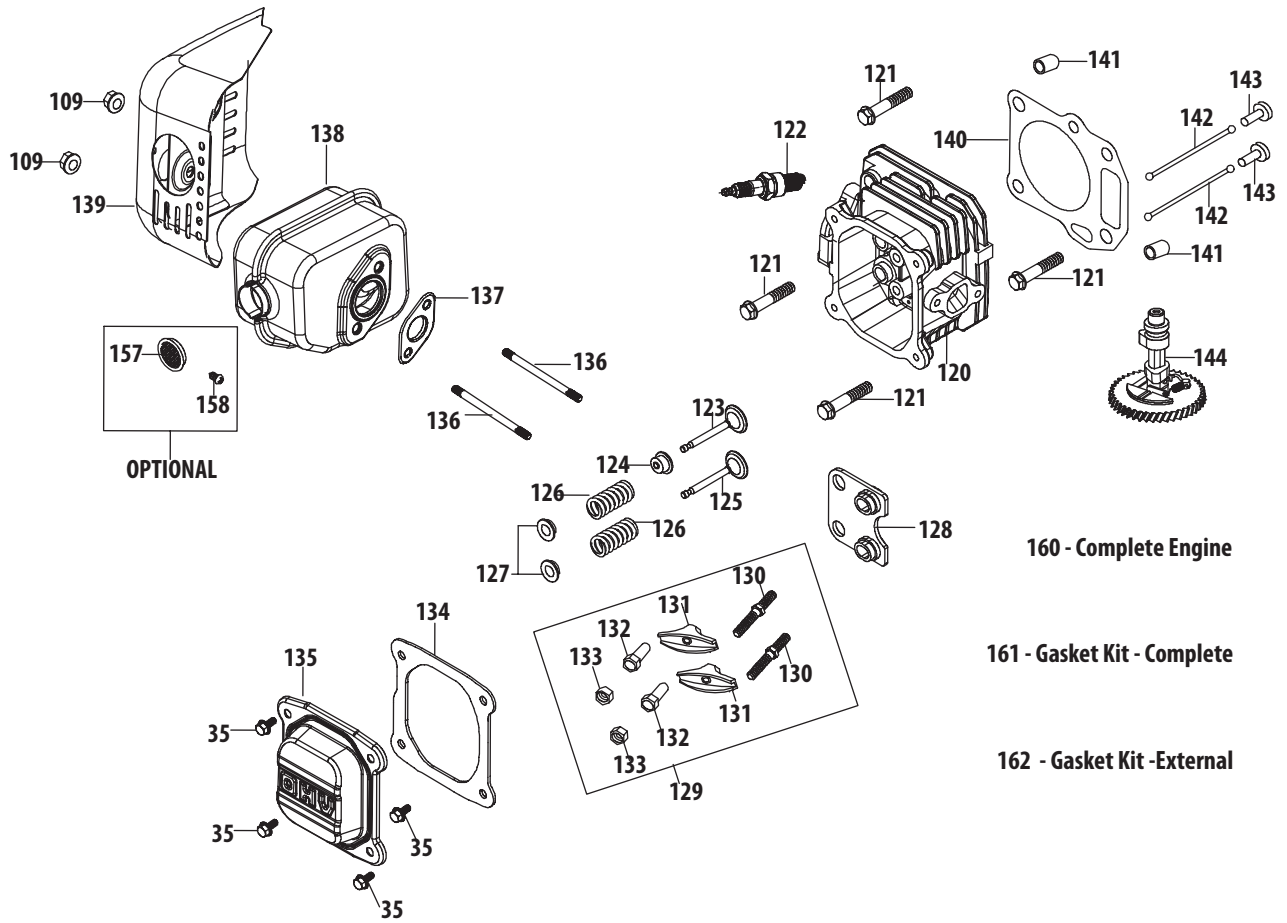
# 1X65CU Flywheel & Shroud



Ref.	Part Number	Description
1	951-14396	Recoil Starter Assembly
2	712-04290	Starter Acorn Nut
3	731-07925	Starter Handle
7	951-11721	Recoil Pulley & Spring Ass'Y
15	951-14397	Starter/Shroud Rear Stud M6x78.5
16	951-14398	Starter/Shroud Front Stud M6x74

Ref.	Part Number	Description
18	951-14399	Engine Shroud
19	750-05320	Engine Shroud Spacer
27	712-04287	Flywheel Nut M14
28	951-12161	Starter Cup
29	951-10934	Cooling Fan
30	951-14596	Flywheel

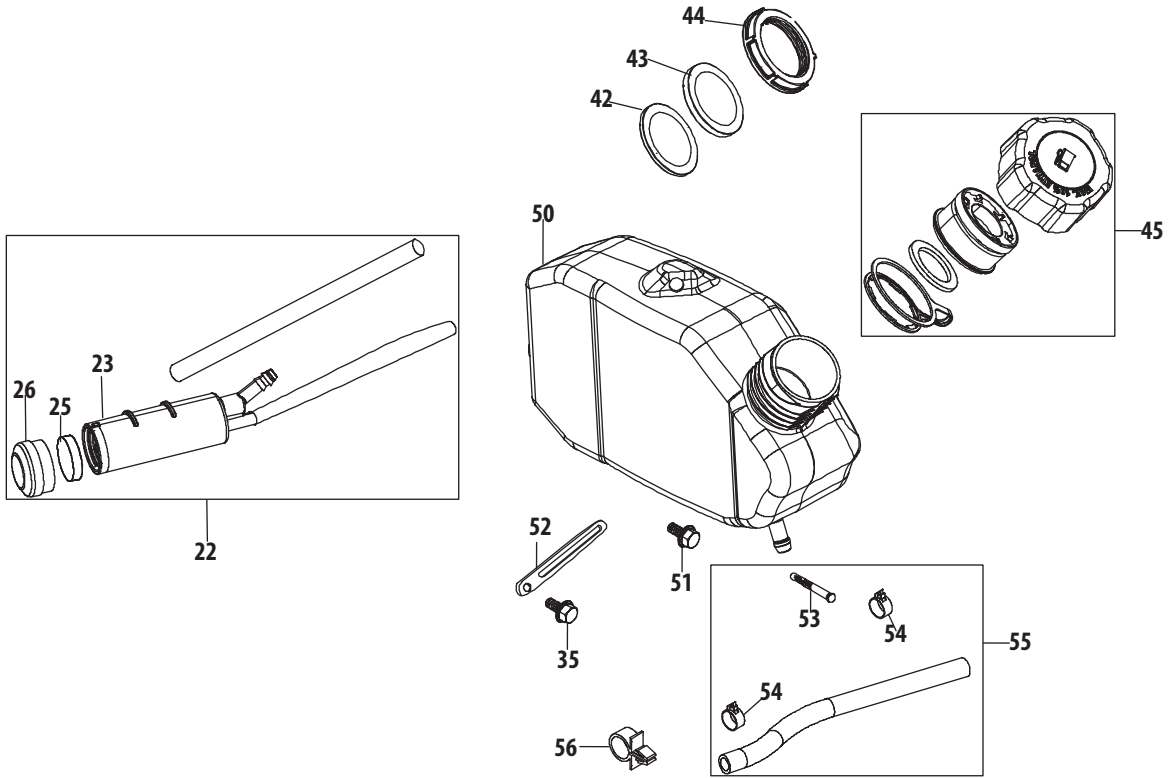
# 1X65CU Cylinder Head



## 1X65CU Cylinder Head

Ref.	Part Number	Description	Ref.	Part Number	Description
35	710-04916	Bolt M6X14 Multi-Purpose	135	951-14609	Valve Cover
109	712-05015	Nut M6X10Mm Starter/Carb/Muff	136	951-10342	Muffler Stud Assy
120	951-14448	Cylinder Head Asm (Incl.117,118,120,123-134,137,140)	137	951-14427	Muffler Gasket
	951-14445	Cylinder Head Service Kit (Incl.121,124,134,140)	138	951-10403	Muffler Assembly
121	710-04982	Bolt M8X54 Cylinder Head	139	951-14430	Muffler Shield
122	951-14437	Spark Plug/F5Rtc	140	951-14431	Cylinder Head Gasket
123	951-10313	Valve Kit	141	715-04108	Cylinder Head Dowel Pin 10x16
124	951-11818	Intake Valve Seal	142	951-10314	Push Rod Kit
125	951-10313	Valve Kit	143	951-14432	Tappet
126	951-12004	Valve Spring	144	951-11741	Camshaft Assembly
127	951-11977	Valve Spring Retainer	157	951-10351	Spark Arrestor
128	951-11687	Push Rod Guide	158	710-04983	Spark Arrestor Screw
129	951-11606	Rocker Arm Assembly	160	952Z1X65CU	Complete Engine
130	710-04902	Rocker Arm Stud	161	951-14614	Gasket Kit - Complete (Incl.37,38,60,75,83,101,104,114, 116,117,118,134,137,140)
131	951-12001	Rocker Arm	162	951-14615	Gasket Kit -External (Incl.37,83,101,114,116,117, 118,134,137)
132	751-11123	Fulcrum Nut			
133	751-11124	Jam Nut			
134	951-11551	Valve Cover Gasket			

# 1X65CU Fuel Tank



Ref.	Part Number	Description
22	951-14442	Carbon Canister Assembly
23	951-14126	Carbon Canister
25	951-14400	Carbon Canister Filter
26	951-14127	Carbon Canister Filter Cap
35	710-04916	Bolt M6X14 Multi-Purpose
42	731-08133	Fuel Tank Lower Grommet
43	951-14406	Fuel Tank Upper Grommet
44	731-08104	Fuel Tank Nut
45	951-14407	Fuel Cap Assembly
50	931-04629	Fuel Tank
51	710-04915	Bolt M6X12 Multi-Purpose
52	951-11680	Flexible Clamp, Vent Hose
53	751-10358A	Fuel Line Kit
54	951-11700	Fuel Hose Clamp
55	951-14438	Fuel Hose
56	723-04071	Plastic Support Clamp







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