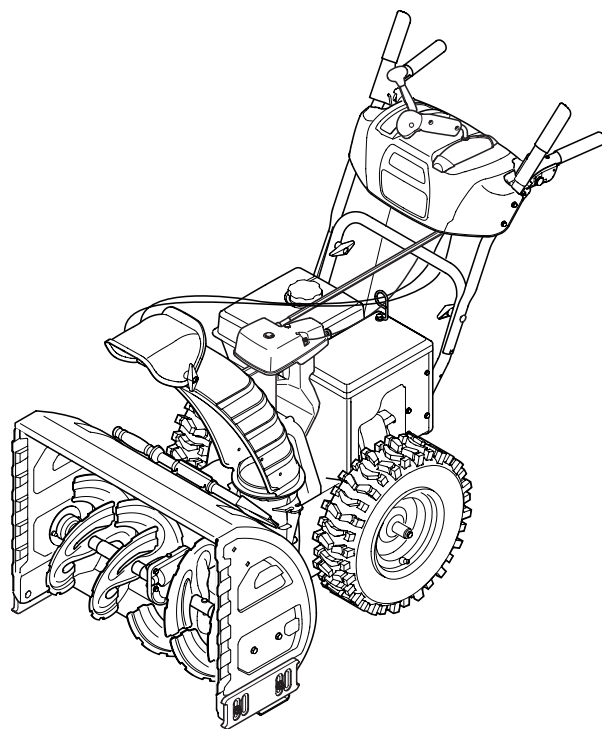

Cub Cadet.

ILLUSTRATED PARTS MANUAL



600 Series Snow Throwers — 524 WE

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

To The Owner

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

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

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

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

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Record Product Information

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

MODEL NUMBER

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SERIAL NUMBER

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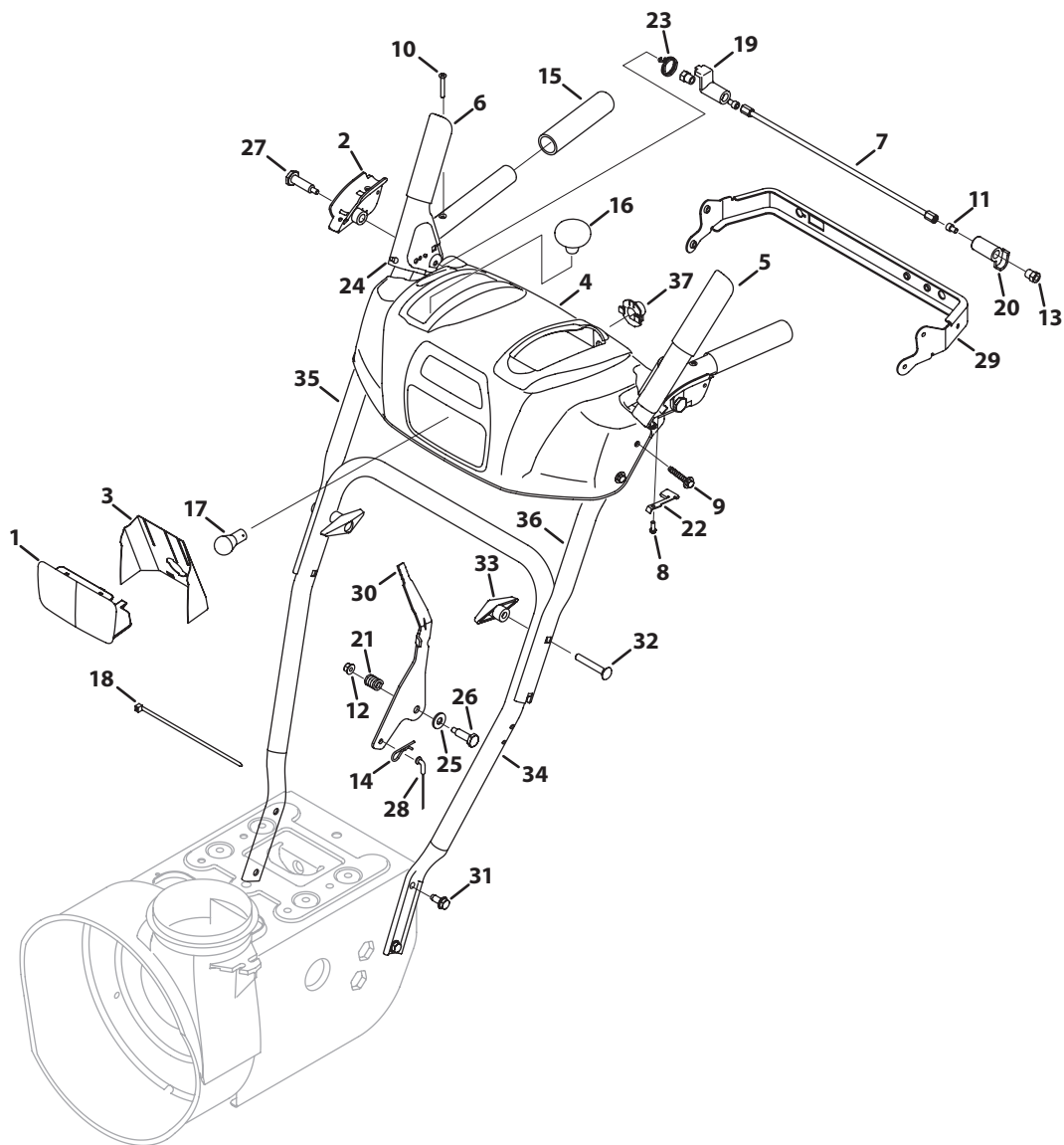
Painted Parts

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

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

This image shows a full page of white paper with horizontal grey ruling lines. The word "Notes" is printed at the top left in a large, bold, black font. A vertical grey margin line runs down the right side of the page, creating a narrow column next to the title. The rest of the page is filled with evenly spaced horizontal lines for writing.

S/T-Style Panel



Ref.	Part Number	Description
1	731-05324	Lens
2	631-04134B	Handle Clutch Lock - RH
—	631-04133A	Handle Clutch Lock - LH
3	777X41804	Lens Reflector Label
4	931-04187A	T-Style Panel Ass'y, (inc. Ref. 1 & 3)
5	684-04105B	Handle Engagement Assembly LH
6	684-04106C	Handle Engagement Assembly RH
7	684-04250	Pivot Rod
8	710-04326	Screw, Plastite, 8-16 x .50
9	710-04586	Screw, 1/4-20 x 1.625
10	710-1233	Screw, #10-24 x 1.375
11	710-3069	Screw, Socket, 1/4-20 x .50
12	712-04064	Flange Lock Nut, 1/4-20
13	712-04081A	Shoulder Nut, 1/4-20
14	914-0145	Click Pin
15	720-0274	Handle Grip
16	720-04039	Shift Knob
17	925-1629	Lamp
18	926-0154	Cable Tie
19	731-04894D	Lock Plate
20	731-04896B	Clutch Lock Cam
21	732-0193	Compression Spring
22	732-04219C	Clutch Lock Spring
23	732-04238	Torsion Spring
24	935-0199A	Rubber Bumper
25	936-0267	Flat Washer, .385 x .87 x .06
26	738-04125	Shoulder Screw, .374 x 1.05
27	738-04348	Shoulder Screw, 1/4-20 x 1.345
28	946-04396A	Speed Selector Cable
29	790-00248C	Panel Bracket
30	790-00311A	Shift Lever
31	710-04484	Screw, 5/16-18 x .750
32	710-0572	Carriage Screw, 5/16-18 x 2.25
33	920-0284	Wing Knob
34	749-04138A	Lower Handle
35	749-04190A	Upper Handle RH
36	749-04191A	Upper Handle LH
37	925-1649	Light Socket
—	925-04137	Wire Harness (Not Shown)

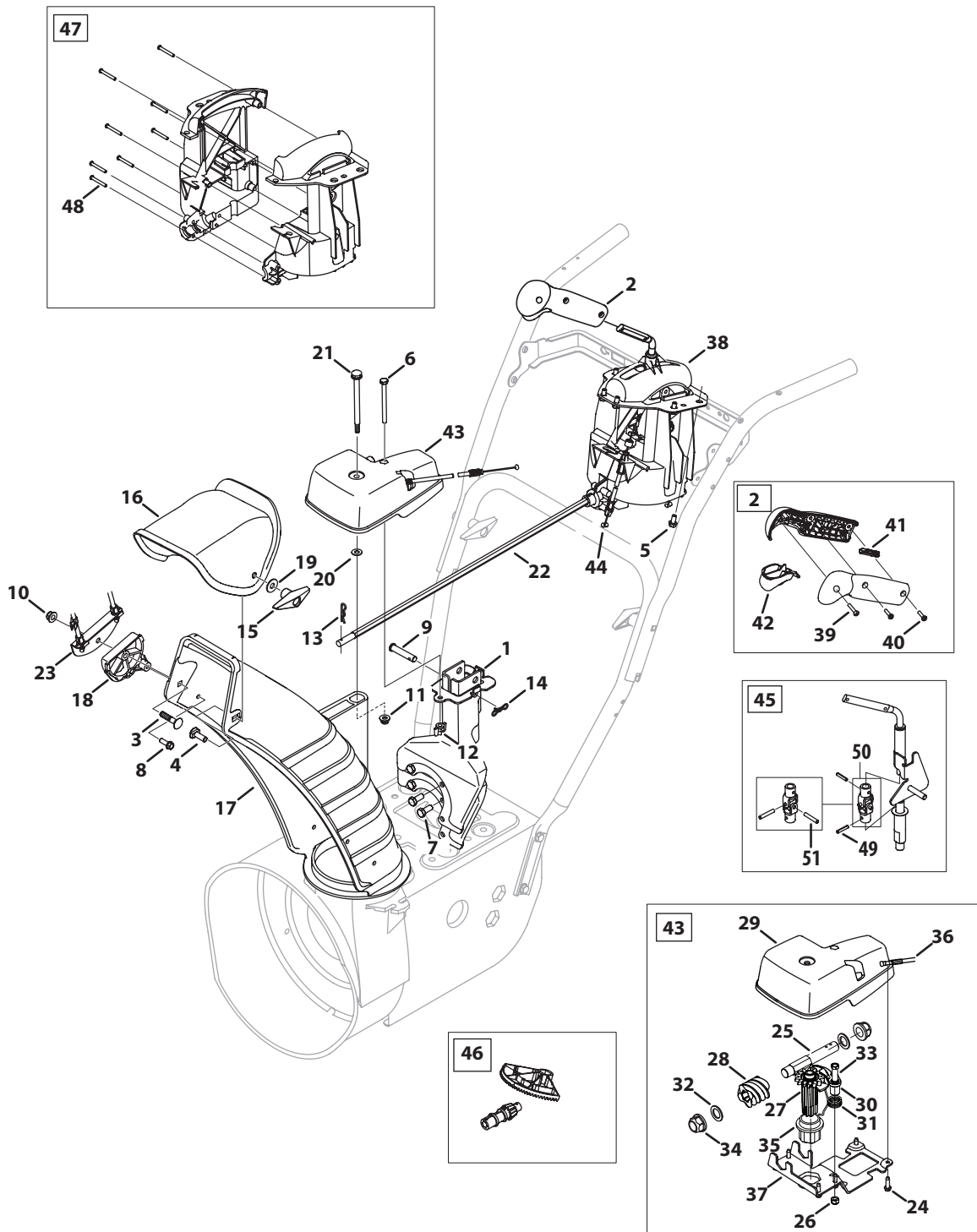


Auger & Auger Housing

Ref.	Part Number	Description
1	790-00075	Bearing Housing, 1.85 ID
2	684-04057A	Impeller Assembly, 12" Dia.
3	710-0347	Hex Screw, 3/8-16 x 1.75
4	710-04484	Taptite Screw, 5/16-18 x .750
5	710-0451	Carriage Bolt, 5/16-18 x .75, Grade 5
6	710-04525	Carriage Bolt, 5/16-18 x .750, Steel
7	712-04063	Flange Lock Nut, 5/16-18
8	712-04065	Flange Lock Nut, 3/8-16
9	712-04103	Hex Nut, 5/16-18
10	714-04040	Bow-Tie Cotter Pin
11	725-0157	Cable Tie
12	926-04012	Push-On Nut, .25 Dia.
13	732-04460	Extension Spring, .38 OD x 4.59
14	736-0174	Wave Washer, .625 x .885 x .0175
15	736-0242	Washer, Bell, .340 x .872 x .060
16	736-04216	Bell Washer, .340 x .872 x .06, Steel
17	790-00080B	Auger Idler Bracket
18	738-0143	Shoulder Bolt, 3/8-16 x .496 x .336
19	938-0281	Shoulder Screw, 3/8-16 x .625 x .17
20	738-04124A	Shear Pin, .25 x 1.50
21	941-0245	Hex Flange Bearing x .75 ID
22	941-0309	Flange Ball Bearing, .75 ID x 1.85 OD
23	756-04224	Flat Pulley, 2.75 OD
24	710-0642	Taptite Screw, 1/4-20 x .750
25	711-04285	Auger Axle
26	918-0123A	Housing Assembly, RH
27	918-0418A	Housing Assembly, LH
28	914-0161	Hi-Pro Key, 3/16 x 5/8
29	715-04021	Dowel Pin, .25OD x 1.25

Ref.	Part Number	Description
30	917-04126	Worm Shaft, .75 OD
31	917-04861	Worm Gear, 20T
32	718-04071	Thrust Collar, .756 ID x .600
33	721-0325	Plug, 1/4 x .437
34	721-0327	Oil Seal, .75 x 1.131 x .188
35	936-0351	Flat Washer, .760 ID x 1.50 OD
36	736-3084	Flat Washer, .51 x 1.12 x .06
37	741-0662	Flange Bearing, .75 ID x 1.0 OD x .59
38	741-0663	Flange Bearing, .50 ID x .75 OD x .59
39	918-04191B	Gear Box; includes Ref. 24 - 38
40	684-04107	Spiral Assembly (Left)
41	684-04108	Spiral Assembly (Right)
42	684-04259	Auger Housing, 24" Cub
43	731-04870	Spacer, 1.25OD x .75ID x 1.00
44	736-0188	Flat washer, .76 x 1.49 x .06
45	937-3000	Drive Lube Fitting, 3/16
46	741-0493A	Flange Bushing, .800 ID x .910 OD
47	790-00138A	Bearing Housing
48	790-00120	Shave Plate, 24"
49	710-0276	Screw, Carriage, 5/16-18 x 1.00
50	731-06931	Deluxe Shoe
51	936-0159	Washer, Flat, .349 x .879 x .063
52	710-0703	Carriage Screw, 1/4-20 x .75
53	712-04064	Flange Lock Nut, 1/4-20
54	731-07525	Chute Adaptor, 5" Dia.
55	731-2635	Cleanout Tool Mount
56	931-2643	Cleanout Tool
57	929-0071A	Extension Cord
58	946-04230A	Auger Drive Cable

4-Way Extended Chute

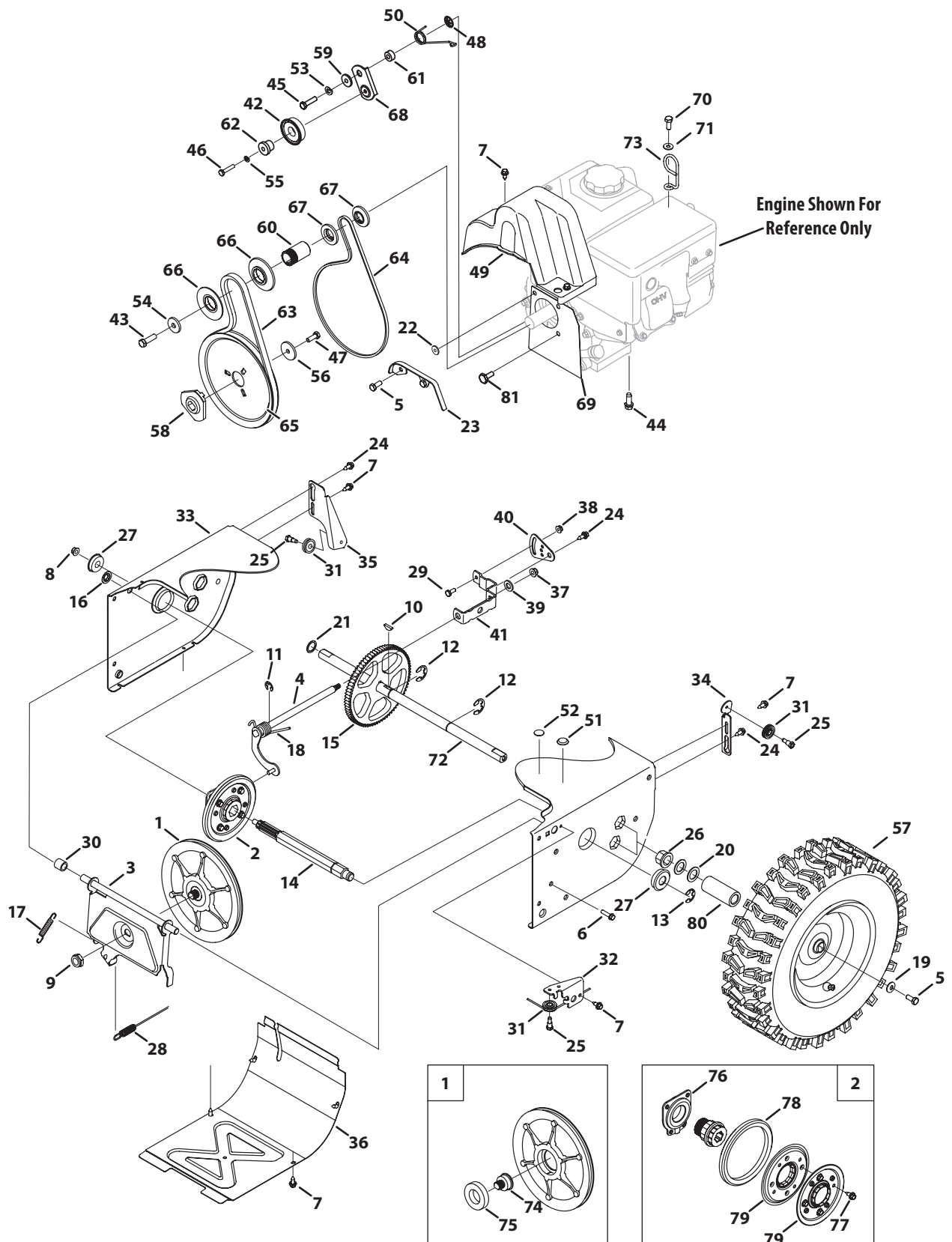


4-Way Extended Chute

Ref.	Part Number	Description
1	684-04311A	Chute Support Bracket
2	753-06151	Kit, Trigger Housing
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, Hi-Lo, 1/4-15 x 0.50
6	710-04370	Hex Head Screw, 1/4-20 x 3.00
7	710-0627	Hex Head Screw, 5/16-24 x .750
8	710-0895	Screw, Hi-Lo, 1/4-15 x 0.750
9	711-04469A	Clevis Pin, 3/8 x 1.87
10	712-04063	Nut, Flange Lock, 5/16-18
11	712-04064	Nut, Flange Lock, 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
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	710-04373A	Screw, 12-16 x .75
25	711-05186	Hex Shaft
26	712-0896	Hexlock Nut, 1/4-28

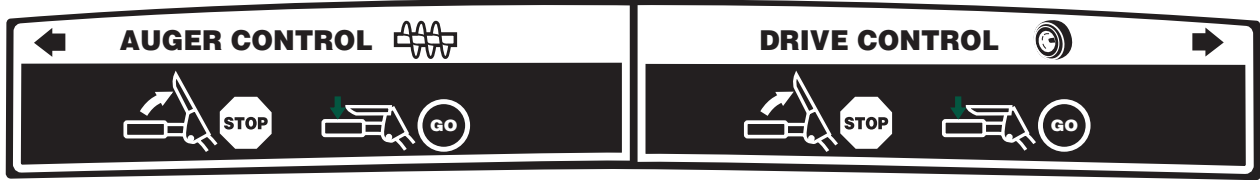
Ref.	Part Number	Description
27	717-04667	Gear, 14 T
28	717-04672	Worm
29	731-06906	Gear Cover
30	731-06943A	Pawl Lock
31	732-04638C	Torsion Spring, .721 ID x .474
32	736-0290	Washer, Flat, .625 x 1.0 x .067
33	738-04391	Screw, Shoulder, .34 x .95 x 1/4-28
34	941-0225	Hex Bearing
35	741-04388A	Flange Bearing
36	946-04619B	Cable Lock
37	790-00342B	Gear Bracket
38	984-04338A	Chute Control, 4-Way
39	710-04353	Screw, #8 x 1.00
40	710-04879	Screw, 8-32 x .750
41	731-04893A	Joystick Plug
42	731-07031	Joystick Trigger
43	918-04801A	Chute Rotation Gearbox
44	946-04528A	4-Way Cable
	946-04477†	4-Way Cable w/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	715-0150	Pin, Roll

Drive System



Ref.	Part Number	Description	Ref.	Part Number	Description
1	656-04055	Disc Assembly, Friction Wheel	42	684-04169	Idler Pulley Assembly
2	684-04153	Friction Wheel Assembly, 5.5 OD	43	710-0191	Hex Screw, 3/8-24 x 1.25
3	684-04154B	Friction Wheel Support Bracket	44	710-0654A	Sems Screw, 3/8-16 x 1.00
4	684-04156A	Rod Shift Assembly	45	710-0672	Hex Screw, 5/16-24 x 1.25
5	710-0627	Hex Head Screw, 5/16-24 x .750	46	710-0809	Hex Screw, 1/4-20 x 1.25
6	710-0788	Taptite Screw, 1/4-20 x 1.000	47	710-1245B	Hex Head Screw, 5/16-24 x .875
7	710-1652	Taptite Screw, 1/4-20 x .625	48	926-04012	Push-on Nut, .25 Dia.
8	712-04065	Flange Lock Nut, 3/8-16	49	731-05353	Belt Cover
9	712-0417A	Flange Nut, 5/8-18	50	732-04308A	Torsion Spring, .850 ID x .333
10	914-0126	Hi-pro Key, 3/16 x 3/4 Dia.	51	735-04099	Plug, 3/8 ID
11	916-0104	E-Ring	52	735-04100	Plug, 1/2 ID
12	716-0136	Retaining E-Ring, .875 Dia.	53	936-0119	Lock Washer, 5/16
13	916-0231	E-Ring, .750 Dia.	54	736-0247	Flat Washer, .406 x 1.25 x .157
14	917-04209A	Hex Shaft, 7-Tooth	55	936-0329	Washer, Lock, 1/4
15	917-04230A	Gear, 80-Tooth	56	736-0505	Flat Washer, .34 x 1.50 x .150
16	726-0221	Speed Nut, .500	57	634-04147A-0931	X-Trac Wheel, 15 x 5 x 6, LH
17	932-0264	Extension Spring		634-04148A-0931	X-Trac Wheel, 15 x 5 x 6, RH
18	732-04311A	Torsion Spring, .750 x .968	58	748-04053A	Adapter Pulley, .75 Dia.
19	736-0242	Bell Washer, .340 x .872 x .060	59	748-04112B	Shoulder Spacer, .3175 x .5 x .0975
20	936-0287	Flat Washer, .793 x 1.24 x .060	60	750-04303	Spacer, .875 ID x 1.185 OD
21	736-04161	Flat Washer, .75 x 1.00 x .060	61	750-04477A	Spacer, .340 x .750 x .330
22	936-0140	Washer, Flat, .385 x .62 x .063	62	750-04571	Shoulder Space, .260 x .785 x .538
23	731-07101	Belt Cover	63	954-04050	Auger Drive Belt
24	738-04184A	Shoulder Screw, .368 x .113, 1/4-20	64	954-04260	Wheel Drive Belt
25	738-0924A	Shoulder Screw, 1/4-28, .340 x .355	65	756-04109	Auger Drive Pulley, 8.1 x .5
26	941-0245	Hex Flange Bearing	66	756-04113	Pulley Half, 2.600 OD
27	941-0563	Ball Bearing, 17 x 40 x 12	67	756-04252	Pulley Half, 3/8 x 1.716 OD
28	946-04229B	Wheel Clutch Cable, 44.95"	68	790-00208C	Wheel Drive Idler Bracket
29	710-0751	Hex Head Screw, 1/4-20 x .620	69	790-00289A	Cover Plate
30	748-0190	Spacer, .508 ID x .75 OD x .68	70	710-04022	Hex Head Screw, 1.25 x 20
31	756-0625	Cable Roller	71	936-0264	Washer, Flat, .330 x .630 x .0635
32	790-00096	Auger Cable Front Guide Bracket	72	938-04168	Axle, .75 x 22
33	790-00180A	Frame	73	732-0705	Cable Guide
34	790-00206A	Auger Cable Guide Bracket	74	738-04164A	Friction Disc Bearing Pin
35	790-00207C	Drive Cable Guide Bracket	75	741-04098	Ball Bearing, 30 x 55 x 13
36	790-00316	Frame Cover	76	618-0063A	Bearing Assembly
37	712-04063	Flange Lock Nut, 5/16-18	77	710-0896	Screw, 1/4-14 x .625
38	712-04064	Flange Lock Nut, 1/4-20	78	935-04054	Friction Wheel Rubber
39	936-3015	Washer, Flat, .469 x .875 x .105	79	790-00174	Friction Wheel Plate
40	790-00217A	Speed Selector Pivot Bracket	80	731-04873	Spacer, 1.25 x .75 x 3.0
41	790-00218A	Speed Selector Shift Bracket	81	738-04439	Shoulder Screw, .500 x .145

777I22435



777D15042



777S32636



777D15045



777S32236



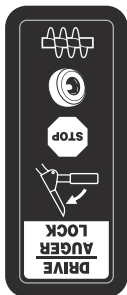
777I22339



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777D15115

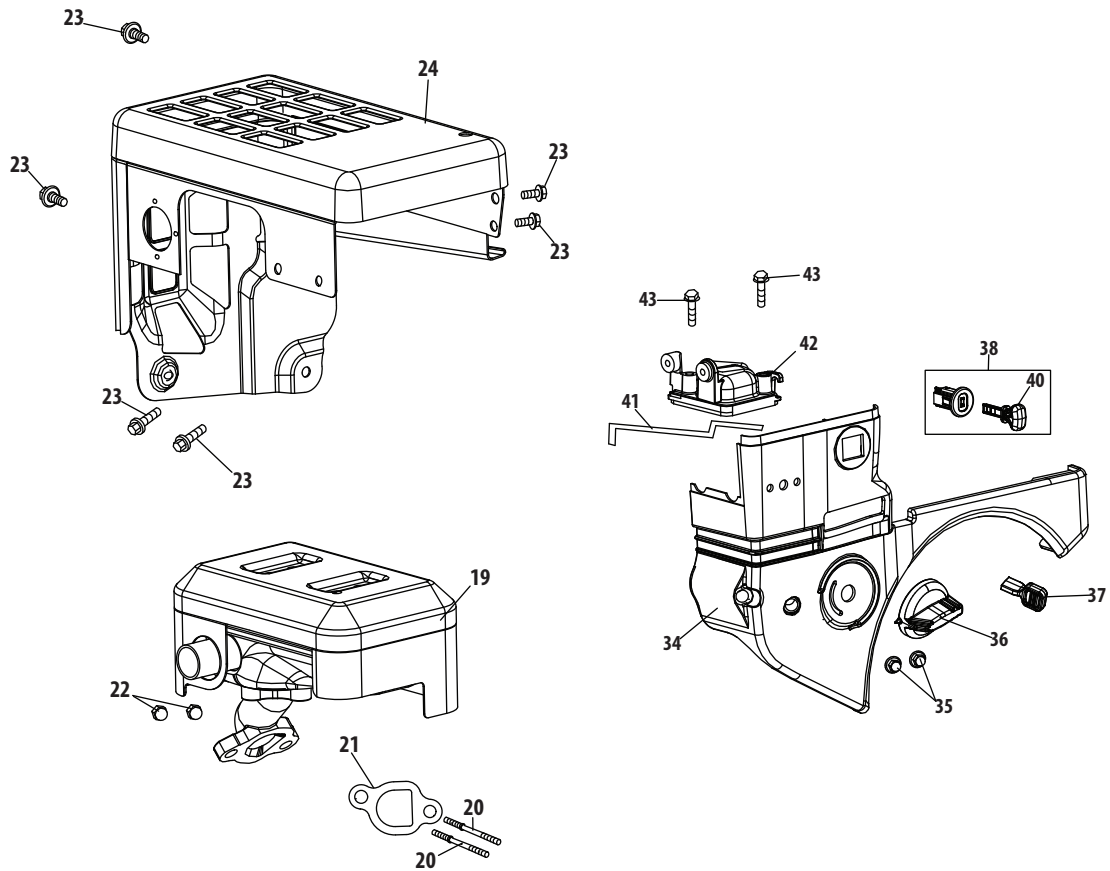


777D15111



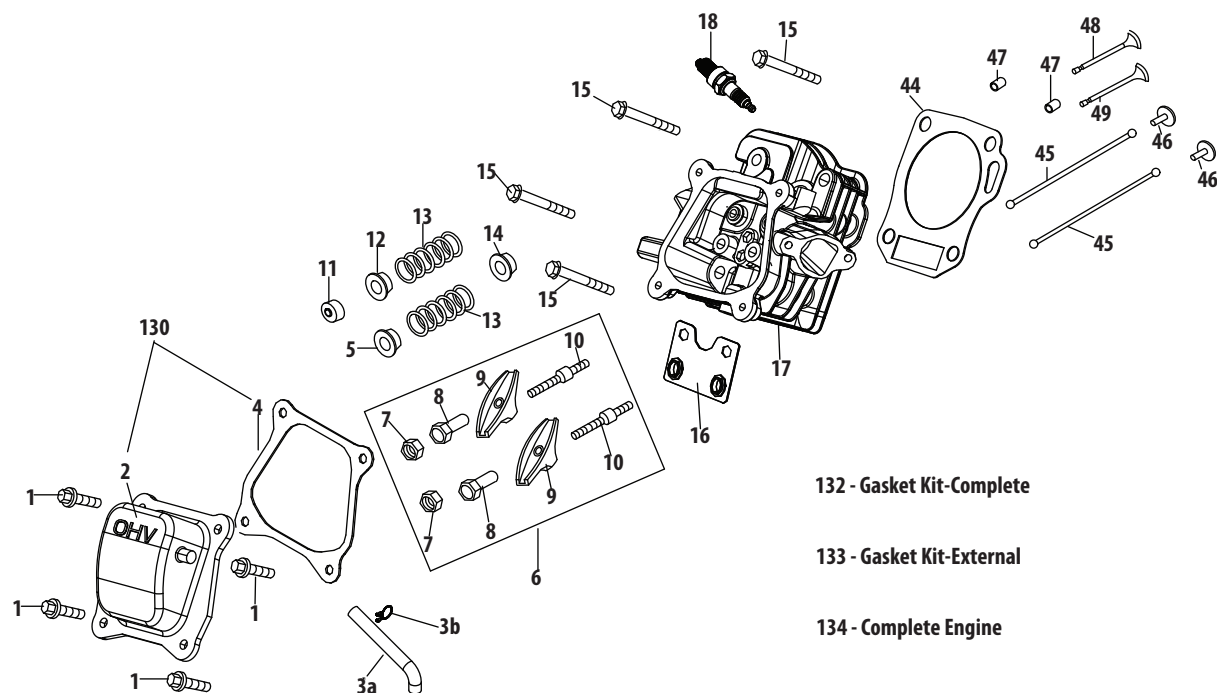
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370-SUC Muffler & Air Housing



Ref.	Part Number	Description
19	951-11282	Muffler Assembly
20	710-05001	Stud M8×36
20	751-14190	Muffler Stud
21	951-11289	Exhaust Pipe Gasket
22	712-04214	Nut, M8
23	710-04915	Bolt M6×12
24	951-10642B	Muffler Shield
34	951-10634	Air Cleaner Housing

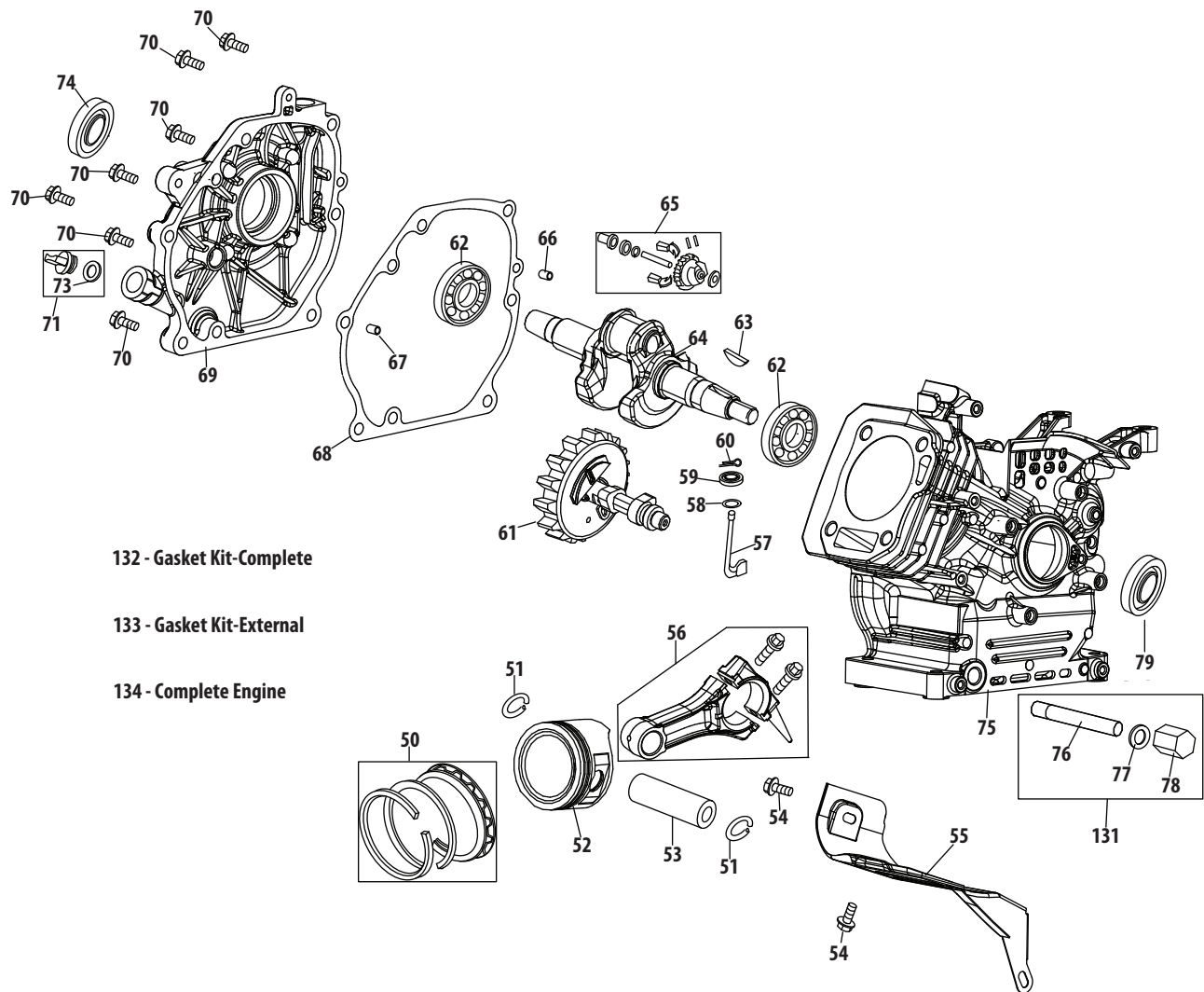
Ref.	Part Number	Description
35	712-04213	Nut
36	951-11284	Choke Knob
37	951-10757	Throttle Control Knob
38	951-10637	Key Switch Assembly
40	731-05632	Key
41	951-10640	Choke Linkage
42	951-10635	Heater Box
43	710-04943	Bolt M6×28



Ref.	Part Number	Description
1	710-04968	Bolt M6×16
2	951-11054A	Valve Cover
3a	731-07059	Breather Hose
3b	726-04101	Hose Clamp
4	951-11565	Valve Cover Gasket
5	951-12000	Valve Spring Retainer (Intake)
6	951-11892	Rocker Arm Assembly
7	751-11124	Nut, Pivot Locking
8	751-11123	Adjusting Nut ,Valve
9	951-11893	Rocker Arm
10	710-04902	Bolt, Pivot
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	710-04933	Bolt M8×55
16	951-11895	Push Rod Guide

Ref.	Part Number	Description
17	951-10722B	Cylinder Head Asm (Incl. 4,21,27-29,32,44,58, 59,68,74,77,79)
18	951-10292	Spark Plug/F6Rtc
44	951-11572	Gasket, Cylinder Head
45	951-10648	Kit-Push Rod
46	951-11899	Tappet
47	715-04108	Dowel Pin 10×16
48	951-10647A	Valve Kit
49	951-10647A	Valve Kit
130	951-12626	Valve Cover Kit
132	951-11059A	Gasket Kit-Complete (Incl. 4-14,16,17,21,27-29,44,48,49)
133	951-10661B	Gasket Kit-External (Incl. 4,21,27-29,32,77)
134	952Z370-SUC	Complete Engine

370-SUC Crankcase



132 - Gasket Kit-Complete

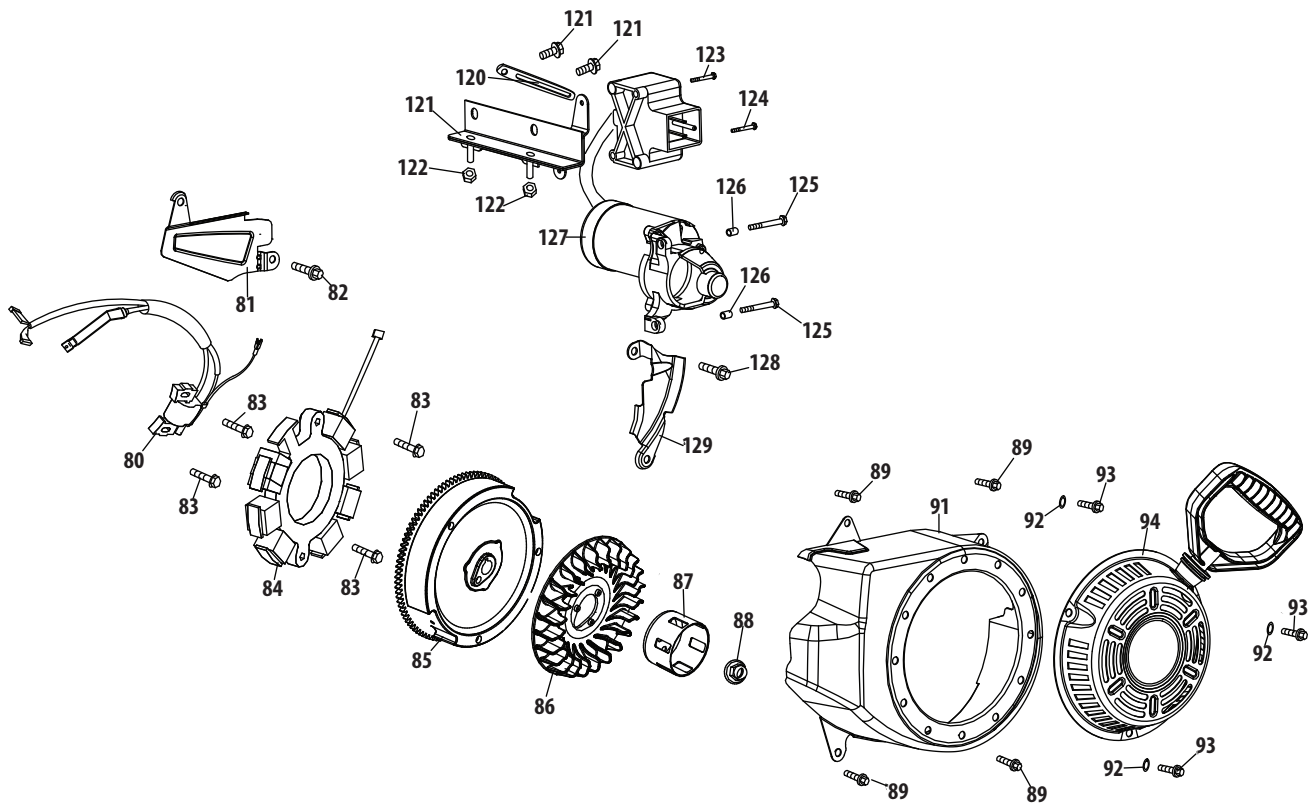
133 - Gasket Kit-External

134 - Complete Engine

Ref.	Part Number	Description
50	951-12111	Piston Ring Set
51	951-11632	Piston Pin Snap Ring
52	951-12007	Piston
53	951-11633	Piston Pin
54	710-04915	Bolt M6×12
55	951-11113	Air Shield
56	951-11573	Connecting Rod Assembly
57	751-14053	Governor Arm Shaft
58	736-04461	Washer 5.2×1.9
59	951-11902	Governor Seal
60	714-04078	Cotter Pin
61	951-11575	Camshaft Assembly
62	951-11369	Radial Ball Bearing, 6205
63	951-10307	Woodruff Key
64	951-11247A	Crankshaft Kit (Incl. 62-64,74,79)
65	951-11576	Governor Gear/Shaft Assembly
66	715-04092	Dowel Pin 7×14
67	715-04096	Dowel Pin 9×14
68	951-11371	Crankcase Cover Gasket
69	951-12125	Crankcase Cover

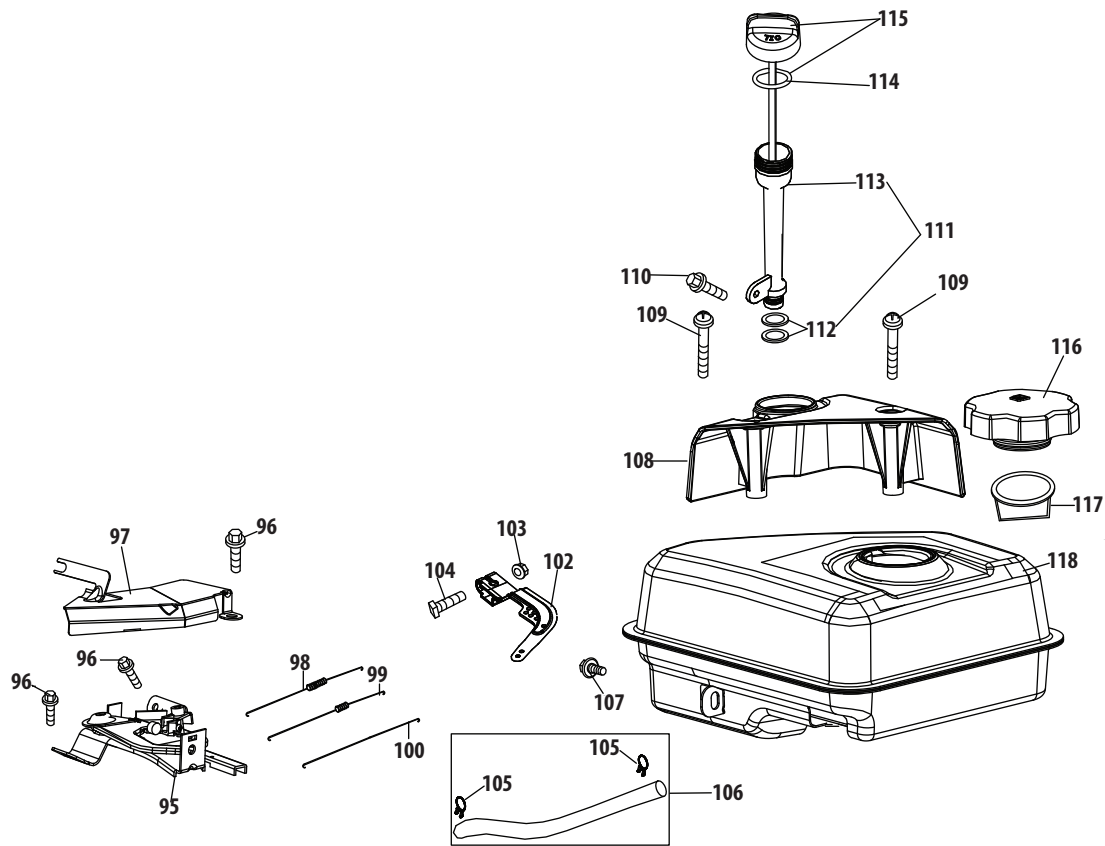
Ref.	Part Number	Description
69	951-11246	Crankcase Cover Kit (Incl. 62,68-74)
70	710-04932	Bolt M8×32
71	951-11283	Oil Filler Plug Assembly
73	951-11577	O-Ring 15.8×2.5
74	951-11368	Oil Seal, 25×41.25×6
75	951-11249	Crankcase Kit (Incl. 59,62,74,75,79)
	951-11060B	Short Block Assembly (Incl. 4,21,27-29,44,46, 47,50-53,56-79)
76	951-11350	Oil Drain Pipe
77	736-04440	Washer 10×16×1.5
78	710-04906	Oil Drain Plug
79	951-11370	Oil Seal 25×41.25×6
131	951-10641	Oil Drain Assembly
132	951-11059A	Gasket Kit-Complete (Incl. 4-14,16,17,21,27-29,44,48,49)
133	951-10661B	Gasket Kit-External (Incl. 4,21,27-29,32,77)
134	952Z370-SUC	Complete Engine

370-SUC Starter Assembly & Blower Housing



Ref.	Part Number	Description
80	951-10646	Ignition Coil Assembly
81	951-11110	Air Flow Shield
82	710-04940	Bolt M6×10
83	710-04919	Bolt M6×25
84	951-12050A	Alternator Assembly
85	951-12051	Flywheel
86	951-10934	Cooling Fan
87	951-10911	Starter Cup
88	712-04209	Flywheel Nut, M14×1.5
89	710-04915	Bolt M6×12
91	951-10663A	Blower Housing
92	736-04455	Washer 6
93	710-04974	Bolt M6×10

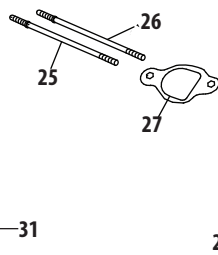
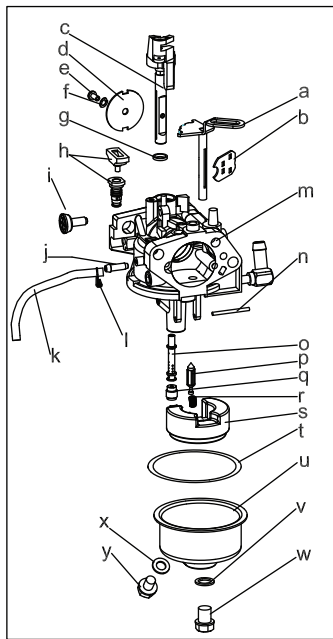
Ref.	Part Number	Description
94	751-14151	Recoil Starter Assembly
119	710-04914	Bolt M6×10
120	951-11680	Electric Starter Cord Retainer
121	951-11114	Switch Housing Mounting Bracket
122	712-05015	Nut, M6
123	710-04965	Bolt M4×55
124	710-04935	Bolt M4×60
125	710-05182	Bolt M6×32
126	715-04088	Dowel Pin 8×8
127	951-10645A	Electric Starter
128	710-04915	Bolt M6×12
129	951-11109	Blower Housing Shield



Ref.	Part Number	Description
95	951-10758	Throttle Bracket
96	710-05103	Bolt M6×12
97	951-11108	Governor Linkage Shield
98	951-11935	Governor Spring
99	951-10664	Throttle Linkage Spring
100	951-10665	Throttle Linkage
102	951-11106	Governor Arm
103	712-04212	Nut M6
104	710-04908	Governor Arm Bolt
105	951-11700	Fuel Hose Clamp
106	951-10650	Kit-Fuel Line
107	710-04915	Bolt M6×12

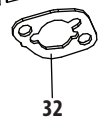
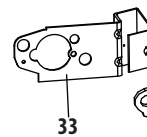
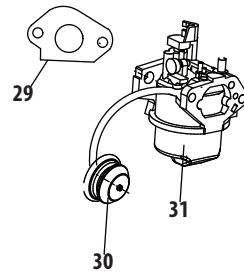
Ref.	Part Number	Description
108	951-11914	Dipstick Decoration Cover
109	710-04905	Bolt
110	710-04915	Bolt M6×12
111	951-11913	Oil Fill Tube Assembly
112	951-11904	Dipstick O-Ring
113	951-10656	Oil Fill Tube
114	951-11381	Dipstick O-Ring
115	951-12482	Dipstick Asm
116	951-12533	Fuel Cap Assembly
117	951-11933	Fuel Level Indicator
118	951-10653B	Fuel Tank Assembly

370-SUC Carburetor



135 - Carburetor Kit - Deni

136 - Carburetor Kit - Huayi



Ref.	Part Number	Description
25	710-04939	Stud M6×117
26	710-04910	Stud M6×105
27	951-11567	Carburetor Insulator Gasket
28	951-11896	Carburetor Insulator
29	951-11569A	Carburetor Gasket
30	951-10639A	Primer Assembly
30	951-11824	Primer Bulb
31	951-14026A	Carburetor Assembly: - Huayi
31	951-14027A	Carburetor Assembly: - Deni
32	951-11897	Carburetor Gasket Plate
33	951-11112	Choke Control Bracket
135	951-14154	Carburetor Kit - Deni (Incl. h,n,o,p,q,r,s,t,v,x)
136	951-12788A	Carburetor Kit - Huayi (Incl. h,n,o,p,q,r,s,t,v,x)
a	n/a	Choke Shaft
b	n/a	Choke Plate
c	n/a	Throttle Shaft
d	n/a	Throttle Plate
e	710-05469	Screw M3×6
f	736-04638	Lock Washer

Ref.	Part Number	Description
g	n/a	Gasket, Throttle Plate
h	n/a	Idle Jet Assembly (0.45)
i	n/a	Idle Speed Adjusting Screw
j	n/a	Mixture Screw
k	951-11699	Primer Hose
l	951-11906	Hose Clamp
m	n/a	Carburetor Body
n	n/a	Float Pin
o	n/a	Emulsion Tube (P19-010)
p	951-12875	Needle Valve - Huayi
p	751-14049	Needle Valve - Deni
q	n/a	Main Jet (#74)
r	n/a	Needle Valve Spring
s	n/a	Float
t	951-11589	Fuel Bowl O-Ring
u	n/a	Fuel Bowl
v	951-11348	Fuel Bowl Mounting Bolt Gasket
w	710-04938	Fuel Bowl Mounting Bolt
x	951-11349	Fuel Drain Bolt Gasket
y	710-04945	Fuel Drain Bolt

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To order replacement parts, call the Customer Dealer Referral Line at 1-877-282-8684
or visit www.cubcadet.com to find the nearest Cub Cadet dealer in your area.

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