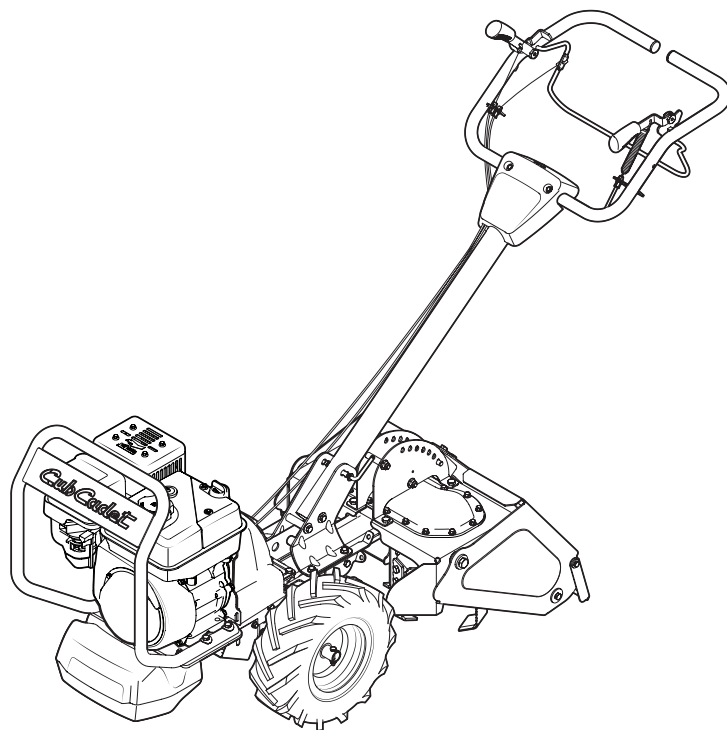

Cub Cadet.

ILLUSTRATED PARTS MANUAL



Cub Cadet 700 Series VTT

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

To The Owner

Thank You

Thank you for purchasing a Cub Cadet Tiller. 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

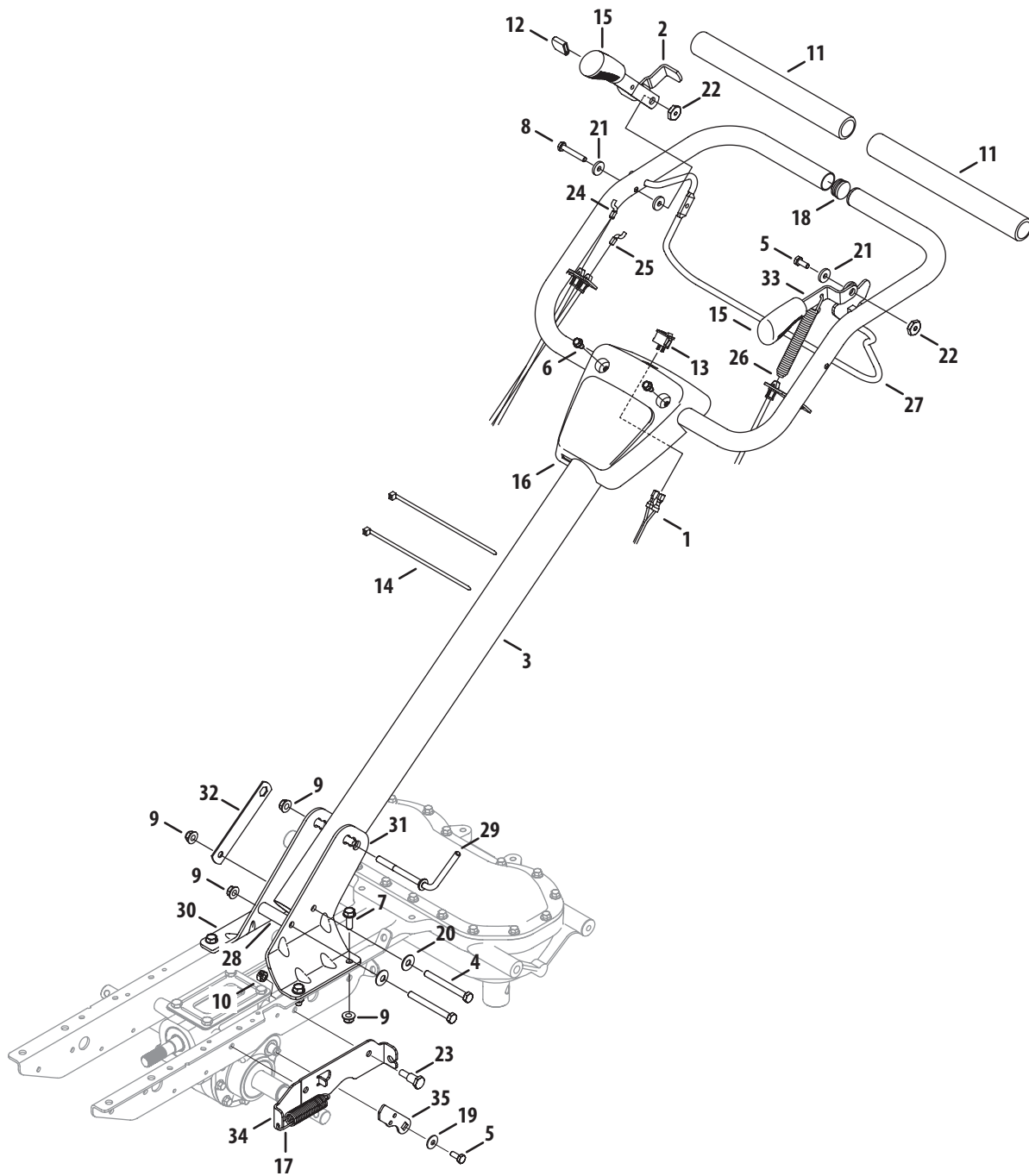
When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXXX-0637). Please refer to the table below for current color codes:

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

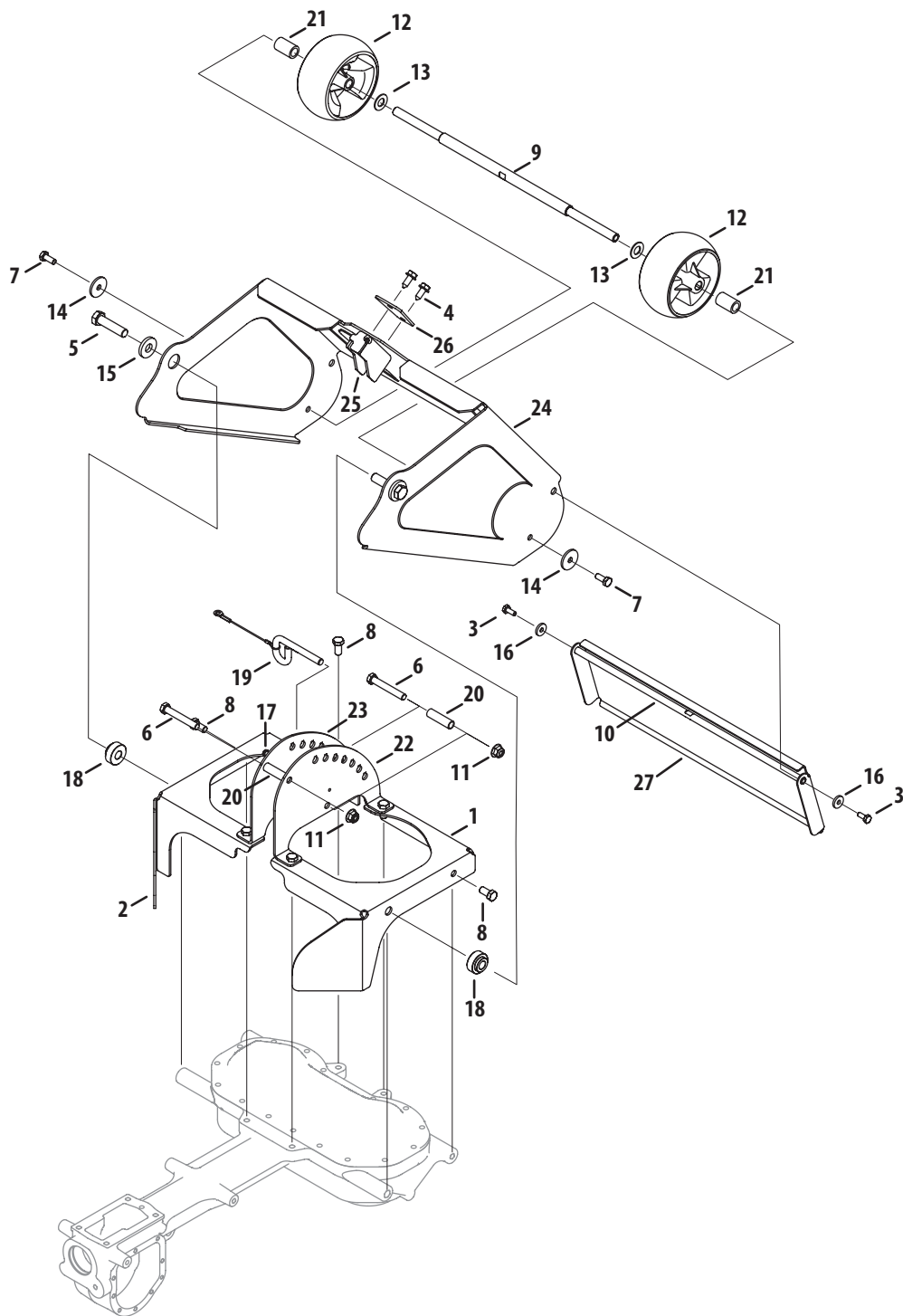
0685	Blue (Cub Cadet)
0691	Black Jack (Cub Cadet Commercial)

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Handle Assembly

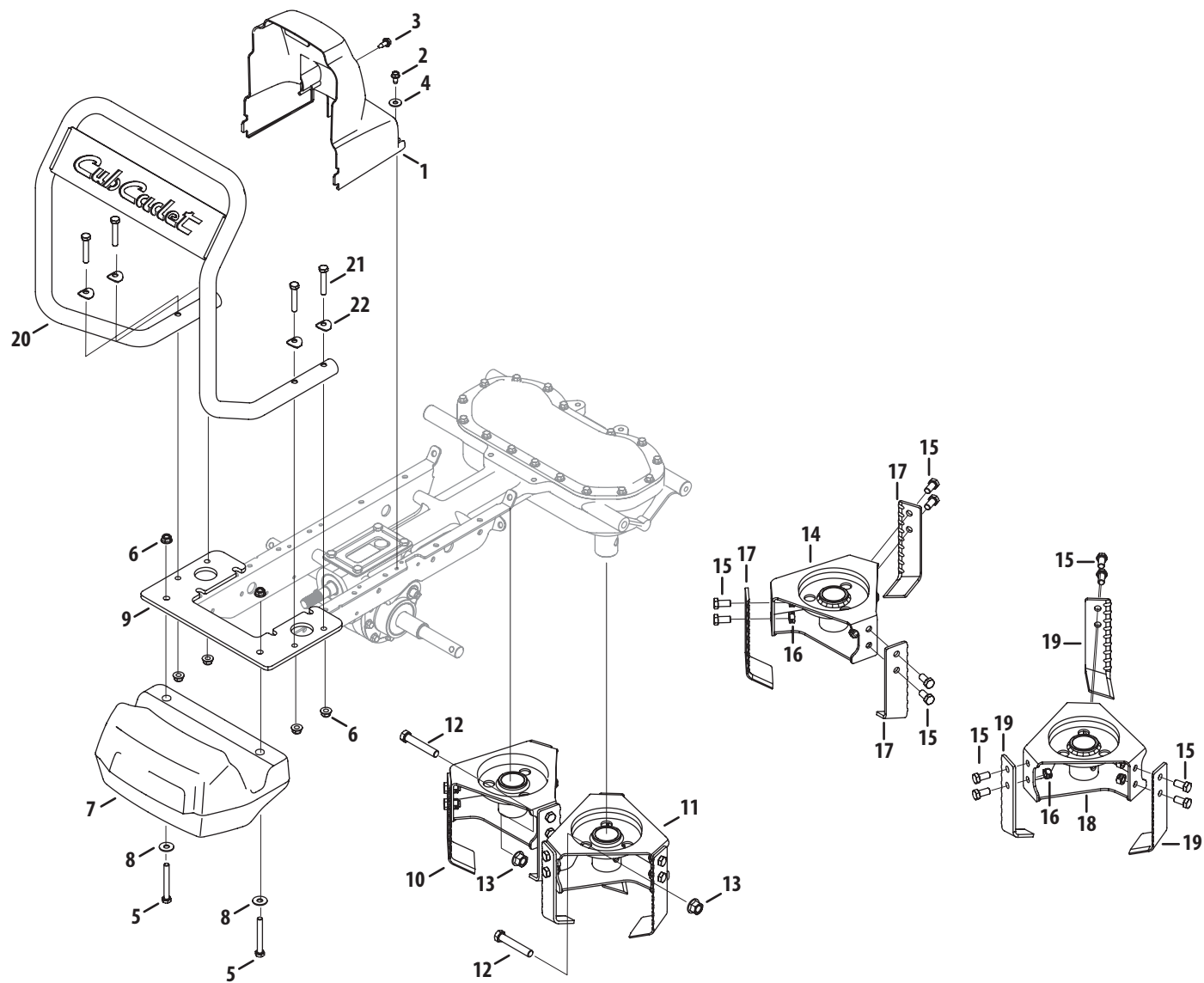


Ref.	Part Number	Description
1	929-04157	Harness Assembly Adapter
2	686-04135	Reverse Handle Assembly
3	686-05020	Handle Assembly
4	710-0189	Hex Head Screw, 5/16-18 x 3.00
5	710-0433	Hex Screw, 1/4-20 x .625
6	710-0599	Screw, 1/4-20 x 0.500
7	710-1238	Hex Head Washer, 5/16-18 x .875
8	710-3288	Hex Head Screw, 1/4-20 x 1.62
9	712-04063	Flangelock Nut, 5/16-18
10	912-3009	Hex Lock Nut, 5/16-18
11	720-0278A	Foam Handle Grip
12	920-04173	Reverse Handle Grip
13	725-2009	Rocker Switch
14	726-0317	Cable Tie, 8.5 LG
15	731-04735	Reverse Handle Grip
16	731-07025	Handle Cover
17	732-05201	Extension Spring
18	735-04105	Plug End
19	736-0270	Bell Washer .265 x 0.75
20	736-04193	Belleville Washer, .331 x .827 x .098
21	936-0176	Washer, Flat, .265 x .938 x .120
22	738-0440	Spacer, .375 x .165
23	738-0754	Shoulder Screw, .437 Dia. x .54
24	946-04504	Reverse Cable
25	946-04506	Forward Cable
26	746-05178	Neutral Cable
27	747-04789A	Clutch Bail
28	750-0885A	Spacer, .322 x .625 x 2.00
29	786-0340B	Handle Crank
30	786-04344	Handle Bracket, RH
31	786-04345	Handle Bracket, LH
32	786-04358	Retainer Nut Bracket
33	786-05018	Neutral Handle
34	786-05019	Neutral Cable Frame Bracket
35	786-05020	Neutral Pivot Lever



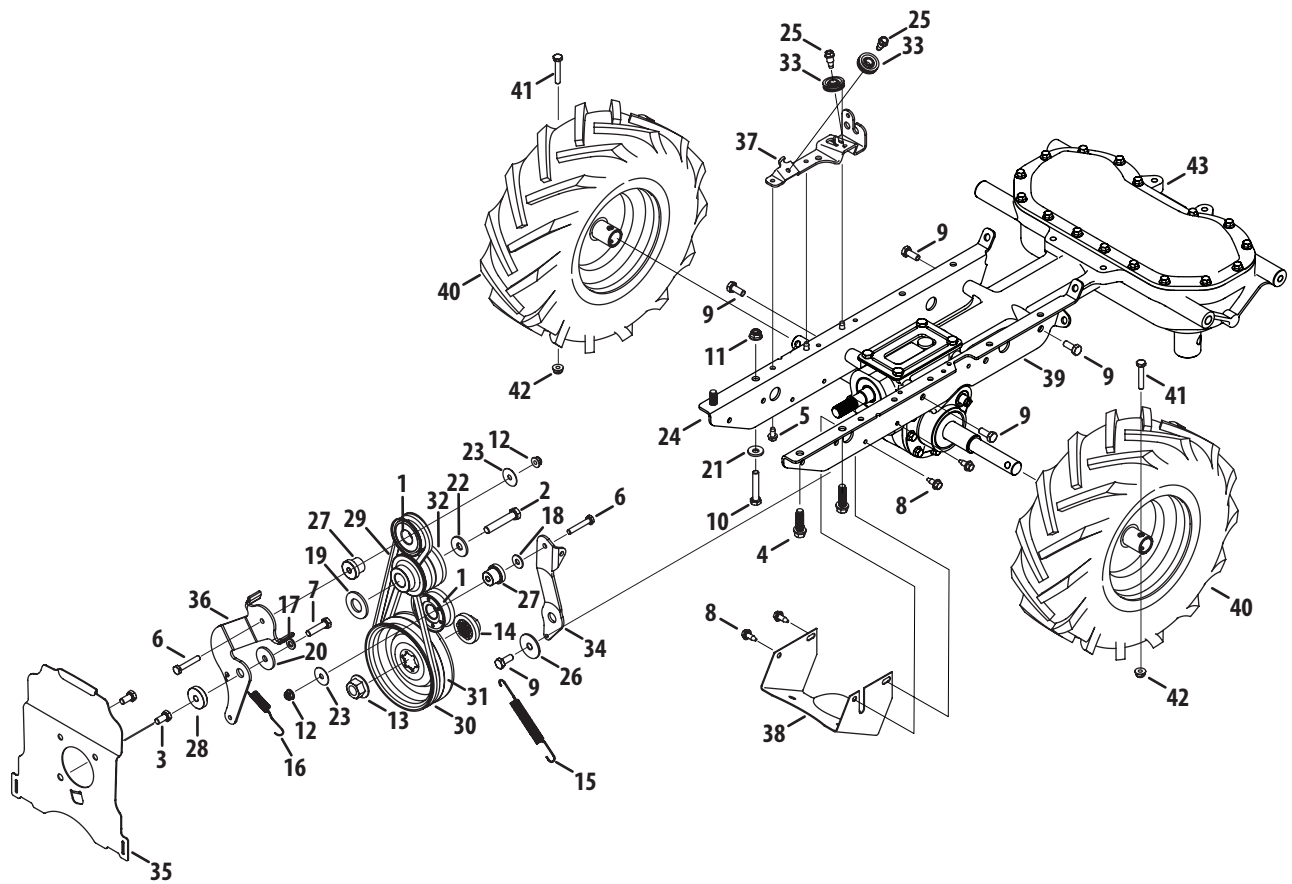
Ref.	Part Number	Description
1	686-05029	Tine Shield Assembly, LH
2	686-05030	Tine Shield Assembly, RH
3	710-0433	Hex Screw, 1/4-20 x .625
4	710-04484	Hex Washer Screw, 5/16-18 x .750
5	710-04644	Hex Screw, 1/2-13 x 2.00
6	710-0859	Hex Screw, 3/8-16 x 2.50
7	710-1880	Hex Head Screw, 5/16-18 x .75, Patch
8	710-3119	Hex Screw, 3/8-16 x .75
9	711-06371	Wheel Shaft
10	711-06398	Rear Tine Shield Rod
11	712-04065	Flangelock Nut, 3/8-16
12	734-04155	Deck Ball Wheel, 5.0
13	936-0272	Washer, Flat, .510 x 1.00 x .060
14	736-0343	Washer, Flat, .330 x 1.25 x .120
15	736-04019	Flat Washer, .531 x 1.25 x .181
16	936-0176	Washer, Flat, .265 x .938 x .120
17	738-04237A	Shoulder Screw, #10-32 x .500
18	738-05119	Shoulder Spacer, .510 x .890 x .190
19	747-06450	Lock Rod, .375
20	750-06031	Spacer, .386 x .63 x 1.75
21	750-06296	Spacer, .525 x .775 x 1.245
22	786-05055	Height Adjustment Bracket, LH
23	786-05056	Height Adjustment Bracket, RH
24	786-05057	Tine Pivot Shield
25	786-05058	Tine Shield Stop Bracket
26	786-05059	Shield Stop Mounting Plate
27	786-05066	Rear Tine Shield

Tine Assembly



Ref.	Part Number	Description
1	631-05252	Belt Cover
2	710-0599	Screw, 1/4-20 x 0.500
3	710-0896	Self Tapping Screw, 1/4-14 x .625
4	736-0173	Washer, Flat, .28 x .74 x .063
5	710-0378	Hex Screw, 5/16-18, 2.50, Gr5
6	712-04063	Flangelock Nut, 5/16-18, B&S
7	731-09227	Weight
8	936-0159	Flat Washer, .349 x .879 x .063
9	786-05037	Bumper Mounting Plate
10	N/A	Tine Assembly, RH
11	N/A	Tine Assembly, LH
12	710-0561	Hex Cap Screw, 7/16-20 x 2.5 (Grade 5)
13	712-0459	Flange Lock Nut, 7/16-20
14	642-05034	Tine Bracket, RH
15	710-0216	Hex Cap Screw, 3/8-16 x .75
16	912-3000	Hex Lock Nut, 3/8-16
17	742-05076	Tine Blade, RH
18	642-05035	Tine Bracket, LH
19	742-05091	Tine Blade, LH
20	686-05023	Front Bumper
21	710-3180	Hex Cap Screw, 5/16-18 x 1.75
22	936-0451	Saddle Washer, .320 x .93 x .060

Drive Assembly (Single Belt)

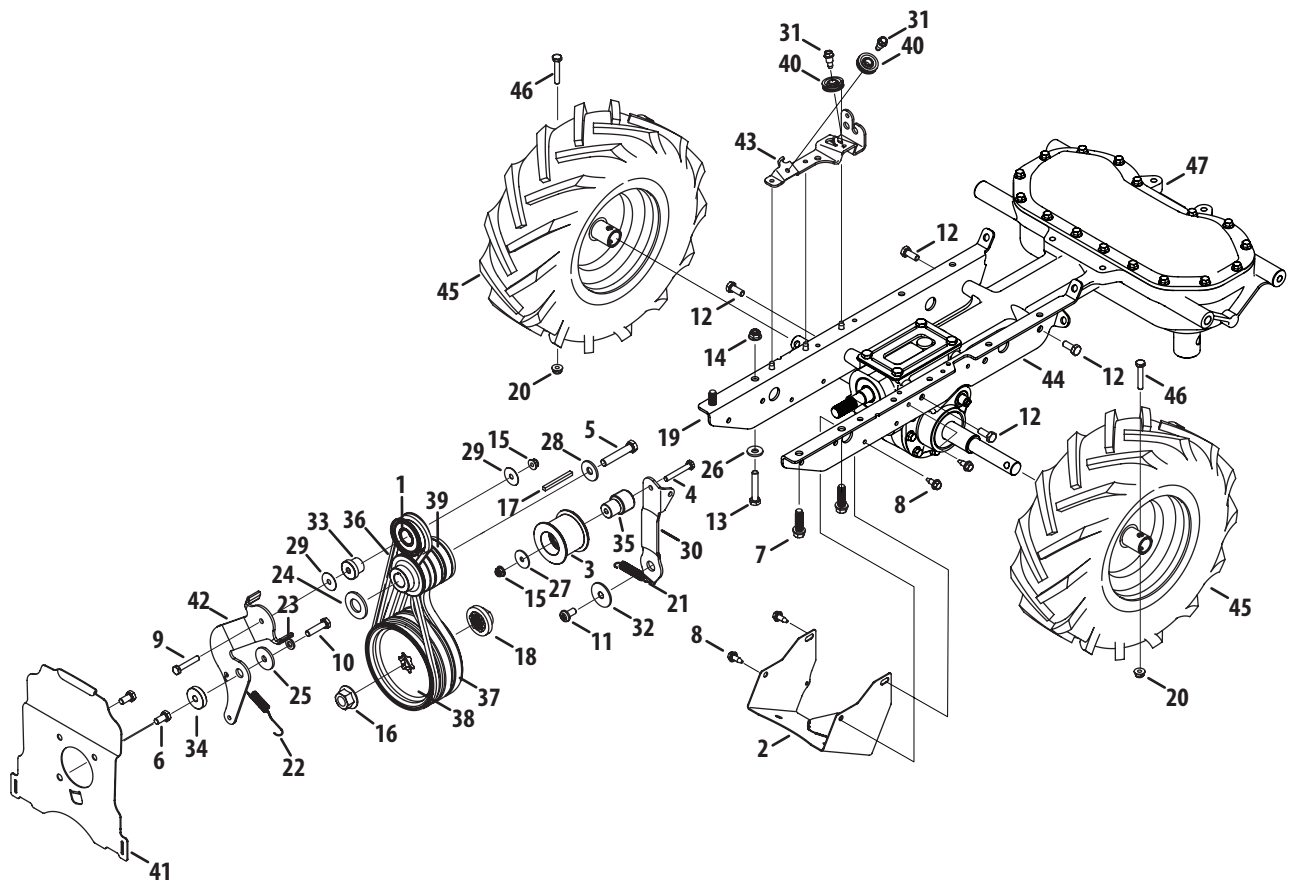


Drive Assembly (Single Belt)

Ref.	Part Number	Description
1	684-04168	Idler Pulley Assembly, 1.917 OD
2	710-0151	Hex Head Screw, 3/8-24 x 2.00
3	710-0170	Hex Head Screw, 5/16-24 x .625
4	710-0502A	Screw, 3/8-16 x 1.250
5	710-0599	Screw, 1/4-20 x 0.500
6	710-0606	Hex Head Screw, 1/4-20 x 1.50
7	710-0672	Hex Head Screw, 5/16-24 x 1.25
8	710-0896	Self Tapping Screw, 1/4-14 x .625
9	710-1880	Hex Head Screw, 5/16-18 x .75, Patch
10	710-3180	Hex Cap Screw, 5/16-18 x 1.75
11	712-04063	Flangelock Nut, 5/16-18, B&S
12	712-04064	Flangelock Nut, 1/4-20
13	712-0700	Flange Nut, 9/16-18
14	718-04407	Pulley Hub, 5/8 SPLINE
15	732-04085	Extension Spring, .480 OD x 5.00 LG
16	732-04276A	Extension Spring, LT5 PTO
17	936-0119	Washer, Lock, 5/16
18	736-0173	Washer, Flat, .28 x .74 x .063
19	736-0315	Washer, Flat, .760 x 1.50 x .120
20	736-0343	Washer, Flat, .330 x 1.25 x .120
21	736-04193	Washer, .396 x 1.140 x .095, B&S
22	936-0452	Washer, Bell, .396 x 1.140 x .095
23	736-3092	Washer, Flat, .265 x 1.0 x .030

Ref.	Part Number	Description
24	786-04416B	RH Mount Frame
25	738-04425	Screw, Shoulder, 1/4-28 x .342 x .335
26	748-04087A	Forward Idler Pivot Spacer
27	750-04571	Spacer, Shoulder, .260 x .785 x .538
28	750-04907	Reverse Idler Pivot Spacer
29	954-04091	V Belt, 3L x 29.125 LG
30	954-05069	V Belt, 4L x 25.4 LG
31	756-04355	Transmission Pulley
32	756-05107	Engine Pulley, 3L & 4L
33	756-0625	Cable Roller
34	786-04312	Forward Idler Bracket
35	786-04343	Cover Mounting Plate
36	786-04346	Reverse Idler Bracket
37	786-04357A	Pulley Mounting Bracket
38	786-04371	Pulley Shield
39	786-04415D	LH Mount Frame
40	934-04736	Wheel Assembly, 13 x 5 x 6
—	634-04735	Rim Only, Beige
—	734-04163A	Tire Only
41	710-05289	Hex Head Screw, 1/4-20 x 1.5
42	712-04064	Flangelock Nut, 1/4-20
43	918-07010	Transmission Assembly

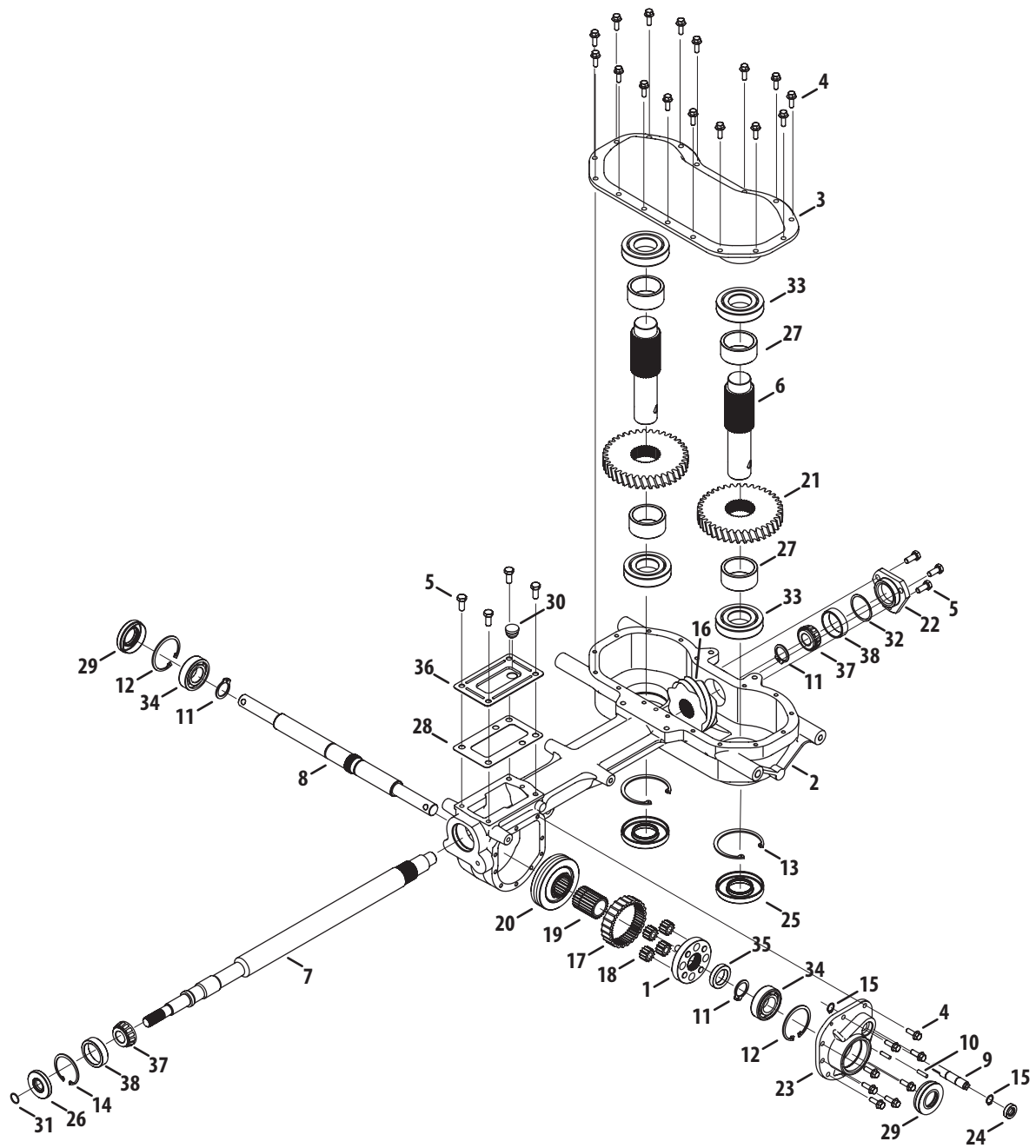
Drive Assembly (Double Belt)



Drive Assembly (Double Belt)

Ref.	Part Number	Description
1	684-04168	Idler Pulley Assembly, 1.917 OD
2	686-05033	Pulley Shield Assembly
3	986-05034	Idler Pulley Assembly
4	710-0136	Hex Cap Screw, 1/4-20 x 1.75
5	710-0151	Hex Head Screw, 3/8-24 x 2.00
6	710-0170	Hex Head Screw, 5/16-24 x .625
7	710-0502A	Screw, 3/8-16 x 1.250
8	710-0599	Screw, 1/4-20 x 0.500
9	710-0606	Hex Head Screw, 1/4-20 x 1.50
10	710-0672	Hex Head Screw, 5/16-24 x 1.25
11	710-1309	Machine Screw, 5/16-18 x 0.750
12	710-1880	Hex Head Screw, 5/16-18 x .75, Patch
13	710-3180	Hex Cap Screw, 5/16-18 x 1.75
14	712-04063	Flangelock Nut, 5/16-18, B&S
15	712-04064	Flangelock Nut, 1/4-20
16	712-0700	Flange Nut, 9/16-18
17	714-0139	Square Key, 3/16 x 2.00
18	718-04407	Pulley Hub, 5/8 SPLINE
19	786-04416B	RH Mount Frame
20	712-04064	Flangelock Nut, 1/4-20
21	932-04262	Extension Spring, .429 OD x 2.515
22	732-04276A	Extension Spring, LT5 PTO
23	936-0119	Washer, Lock, 5/16
24	736-0315	Washer, Flat, .760 x 1.50 x .120
25	736-0343	Washer, Flat, .330 x 1.25 x .120

Ref.	Part Number	Description
26	736-04193	Washer, .396 x 1.140 x .095, B&S
27	736-04511	Falt Washer, .255 x 1.00 x .060
28	936-0452	Washer, Bell, .396 x 1.140 x .095
29	736-3092	Washer, Flat, .265 x 1.0 x .030
30	786-05088	Forward Idler Bracket
31	738-04425	Screw, Shoulder, 1/4-28 x .342 x .335
32	748-04087A	Forward Idler Pivot Spacer
33	750-04571	Spacer, Shoulder, .260 x .785 x .538
34	750-04907	Reverse Idler Pivot Spacer
35	750-06392	Idler Spacer
36	954-04091	V Belt, 3L x 29.125 LG
37	954-05069	V Belt, 4L x 25.4 LG
38	756-05132	Transmission Pulley
39	756-05151	Engine Pulley, 3L & 4L
40	756-0625	Cable Roller
41	786-04343	Cover Mounting Plate
42	786-04346	Reverse Idler Bracket
43	786-04357A	Pulley Mounting Bracket
44	786-04415D	LH Mount Frame
45	934-04736	Wheel Assembly, 13 x 5 x 6
—	634-04735	Rim Only, Beige
—	734-04163A	Tire Only
46	710-05289	Hex Head Screw, 1/4-20 x 1.5
47	918-07010	Transmission Assembly

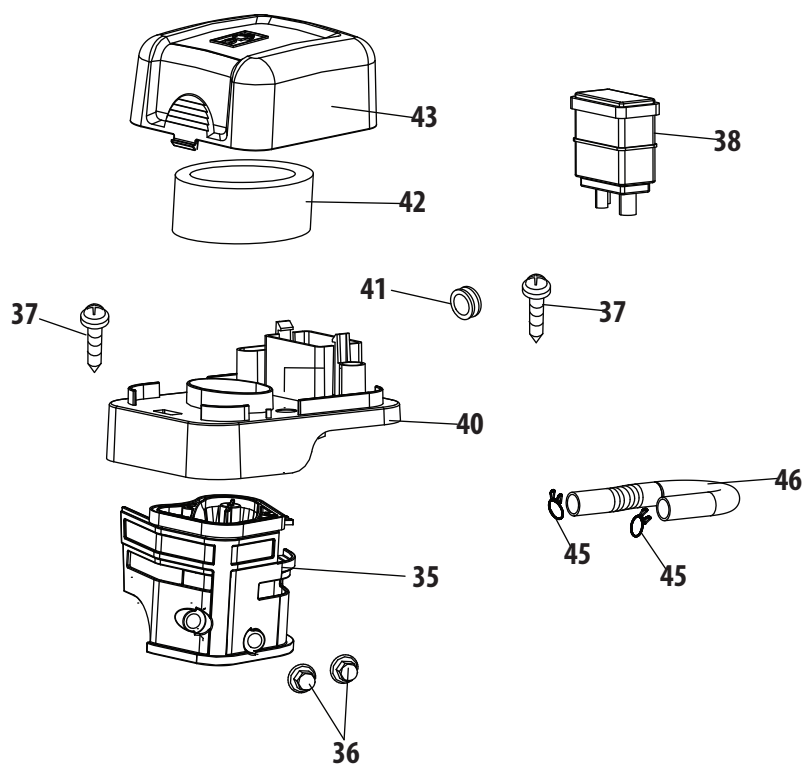


Ref.	Part Number	Description
	618-07010	Transmission Assembly
1	618-07045	Planetary Carrier
2	619-05078	Housing Assembly
3	619-05080	Cover
4	710-04666	Hex Flange Screw, 1/4-20, .75, Gr5
5	710-3008	Hex Head Screw, 5/16-18 x .75
6	711-06217	Tine Shaft
7	711-06224	Shaft, Worm
8	711-06233	Shaft, Wheel
9	711-06255	Shaft, Drive
10	915-0221	Pin, Dowel, 3/16 x 3/4
11	716-0127	Snap Ring, 1.00 Shaft Dia.
12	716-0204	Retaining Ring
13	716-0394	Retaining Ring
14	716-04102	Retaining Ring, Int
15	716-0865	Snap Ring
16	717-05197	Gear, 7t
17	717-05204	Gear, 48t
18	717-05213	Gear, 12t
19	717-05217	Gear, 24t
20	717-05218	Gear, 61t

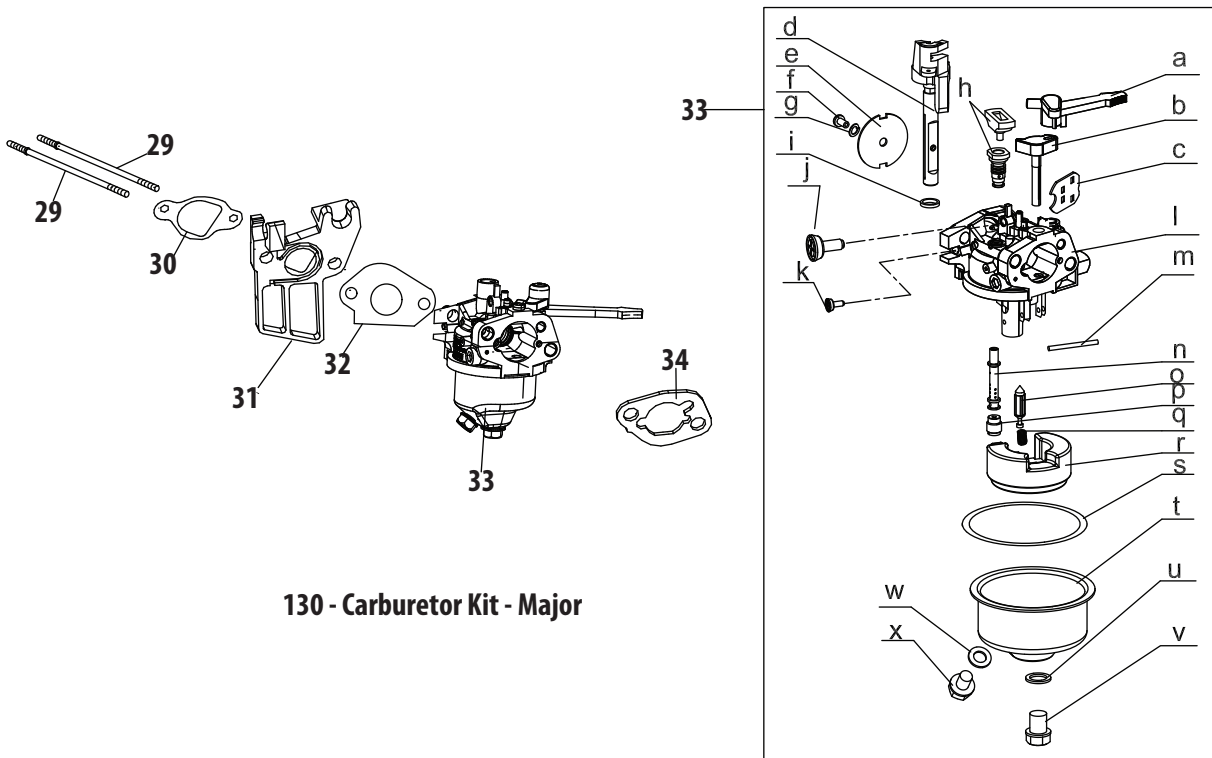
Ref.	Part Number	Description
21	717-05232	Gear, 38t
22	918-04435	Bearing Cover
23	919-04493A	Wheel Cover
24	721-0393	Oil Seal
25	921-04003	Seal, Oil
26	921-04030	Oil Seal, .75 x 1.783
27	750-06183	Spacer, 1.625 x 2.125 x 1.010
28	921-04229	Gear Housing Gasket
29	721-04232	Oil Seal, 1.00 SHF x 2.00 BORE
30	721-04271	Rubber Oil Plug
31	732-0614	Ring, Wire
32	736-04305	Washer, Flat, 1.50 x 1.75 x .062
—	736-04306	Washer, Flat, 1.50 x 1.75 x .005
—	736-04307	Washer, Flat, 1.50 x 1.75 x .03
—	736-04308	Washer, Flat, 1.50 x 1.75 x .010
33	741-1100	Bearing Ball
34	741-3114	Ball Bearing, 1 x 52 x 15 x 6205-1
35	750-06181	Spacer, 1.010 x 1.500 x 0.175
36	786-04366	Transmission Cover
37	941-04298	Cone Bearing
38	941-04299	Cup Bearing

* — The flat washers listed are used as required to obtain .005 to .015 in allowable end play on the drive shaft.

Engine Model 170-AUA Air Cleaner



Ref.	Part Number	Description
35	951-14315	Air Cleaner Housing
36	712-04213	Nut
37	951-14068	Self-Tapping Bolt 4.2x16
38	951-14069	Carbon Canister
40	951-14070	Silencer Plate
41	750-05314	Bushing
42	951-14262	Air Filter
43	951-14071	Air Cleaner Cover
45	951-14073	Piping Hose
46	951-14074	Exhaust Piping

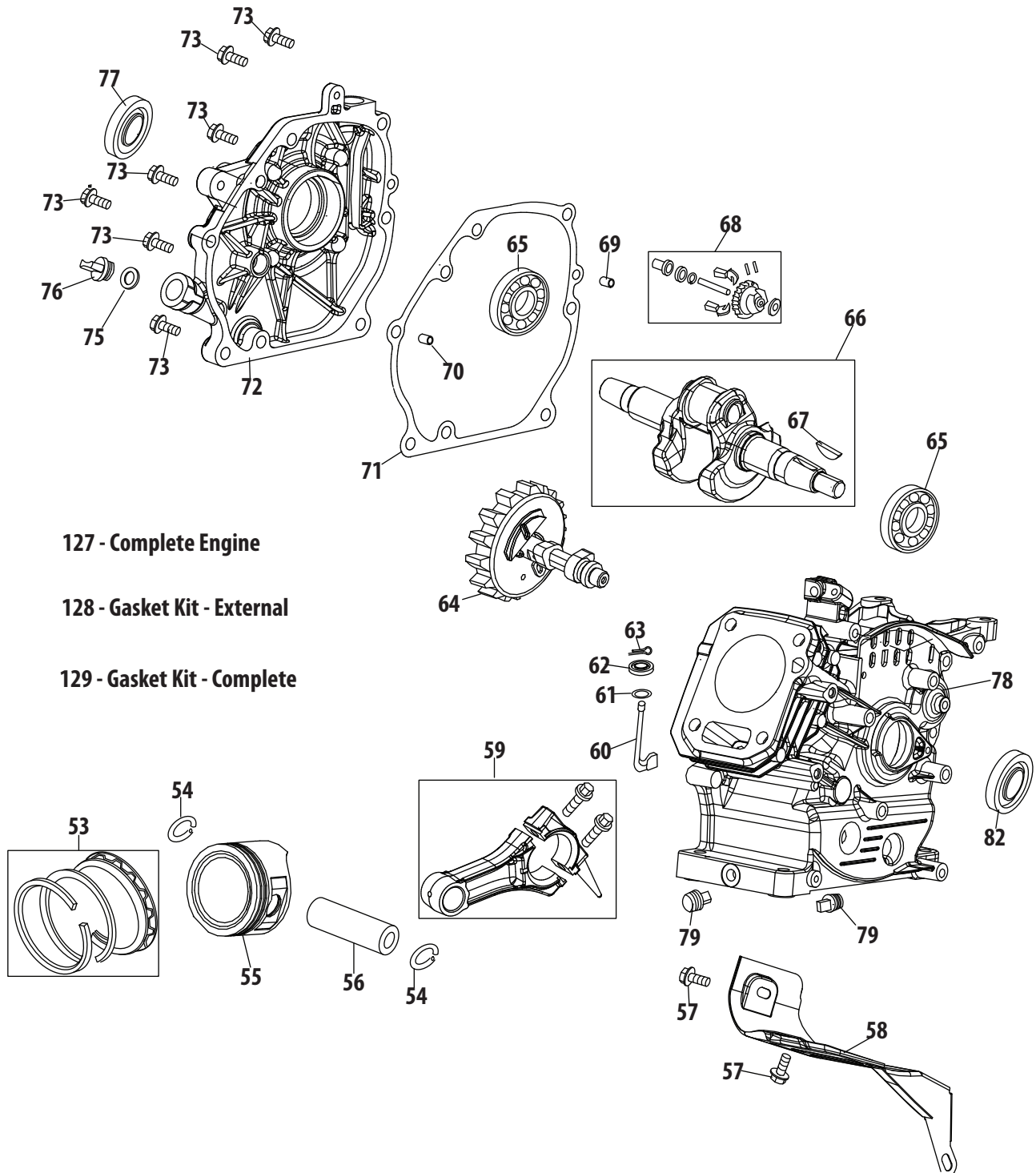


130 - Carburetor Kit - Major

Ref.	Part Number	Description
29	710-05101	Carburetor Stud Bolt M6×110
30	951-11567	Carburetor Insulator Gasket
31	951-11568	Carburetor Insulator
32	951-11569A	Carburetor Gasket
33	951-05021	Carburetor Assembly
34	951-11571	Carburetor Gasket Plate
130	951-05034	Carburetor Repair Kit
a	951-11177	Control Lever,Choke
b	n/a	Choke Shaft
c	n/a	Choke Plate
d	n/a	Throttle Shaft
e	n/a	Throttle Plate
f	n/a	Fuel Shutoff Lever Screw M3×6
g	736-04638	Lock Washer
h	n/a	Idle Jet Assembly
i	n/a	Gasket, Throttle Plate

Ref.	Part Number	Description
j	n/a	Idle Speed Adjusting Screw
k	n/a	Mixture Screw
l	n/a	Carburetor Body
m	n/a	Float Pin
n	n/a	Emulsion Tube
o	951-12875	Float Needle Valve
p	n/a	Main Jet
q	n/a	Needle Valve Spring
r	n/a	Float
s	951-11589	Fuel Bowl Gasket
t	n/a	Fuel Bowl
u	951-11348	Fuel Bowl Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04938	Fuel Drain Plug

170-AUA Crankcase



127 - Complete Engine

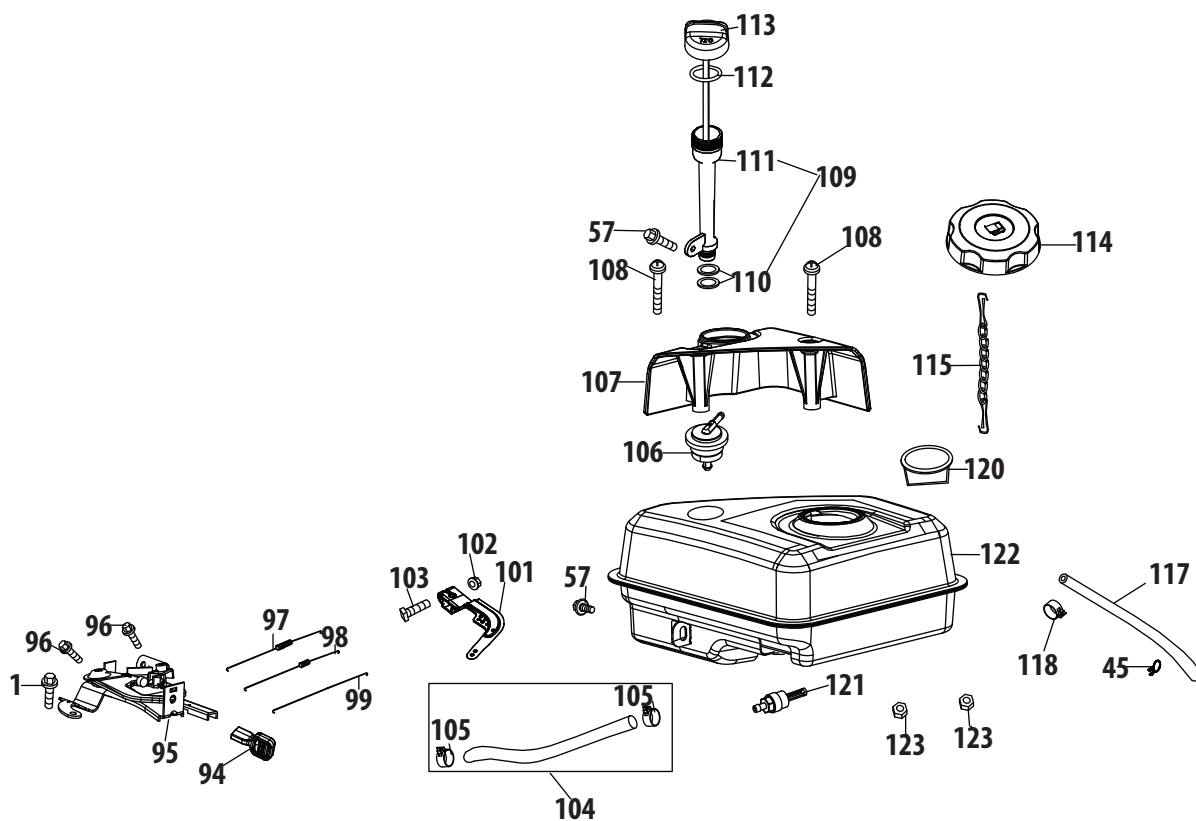
128 - Gasket Kit - External

129 - Gasket Kit - Complete

Ref.	Part Number	Description
53	951-14317	Piston Ring Set
54	951-11632	Piston Pin Snap Ring
55	951-14318	Piston
56	951-11633	Piston Pin
57	710-04915	Bolt M6×12
58	951-11113	Air Shield
59	951-11573	Connecting Rod Assembly
60	951-14053	Governor Shaft
61	736-04461	Washer - 5.2 X 1.9
62	951-11902	Governor Seal
63	714-04078	Cotter Pin
64	951-11575	Camshaft Assembly
65	951-11369	Radial Ball Bearing, 6205
66	751-14143	Crankshaft Service Kit (Incl. 65-67,77,82)
67	951-10307	Woodruff Key
68	951-11576	Governor Gear/Shaft Assembly
69	715-04092	Dowel Pin 7×14
70	715-04096	Dowel Pin 9×14
71	951-11371	Crankcase Cover Gasket

Ref.	Part Number	Description
72	951-12125	Crankcase Cover
	751-14142	Crankcase Cover Service Kit (Incl. 65,71-73,75-77)
73	710-04932	Bolt M8×32
75	951-11577	O-Ring 15.8 X 2.5
76	951-12394	Oil Plug
77	951-11578	Oil Seal, 25×41.25×6
78	751-14144	Crankcase Service Kit (Incl. 62,65,77-79,82)
	951-05031	Shortblock Assembly (Incl. 6,22,30-32,47,49,50, 53-56,59-79,82)
79	951-12514	Oil Drain Plug
82	951-12126	Oil Seal
127	952Z170-AUA	Complete Engine
128	951-12026A	Gasket Kit - External (Incl. 6,22,30-32,34)
129	951-05032	Gasket Kit - Complete (Incl. 6,22,30-32,34,47,61,62,71,77,82)

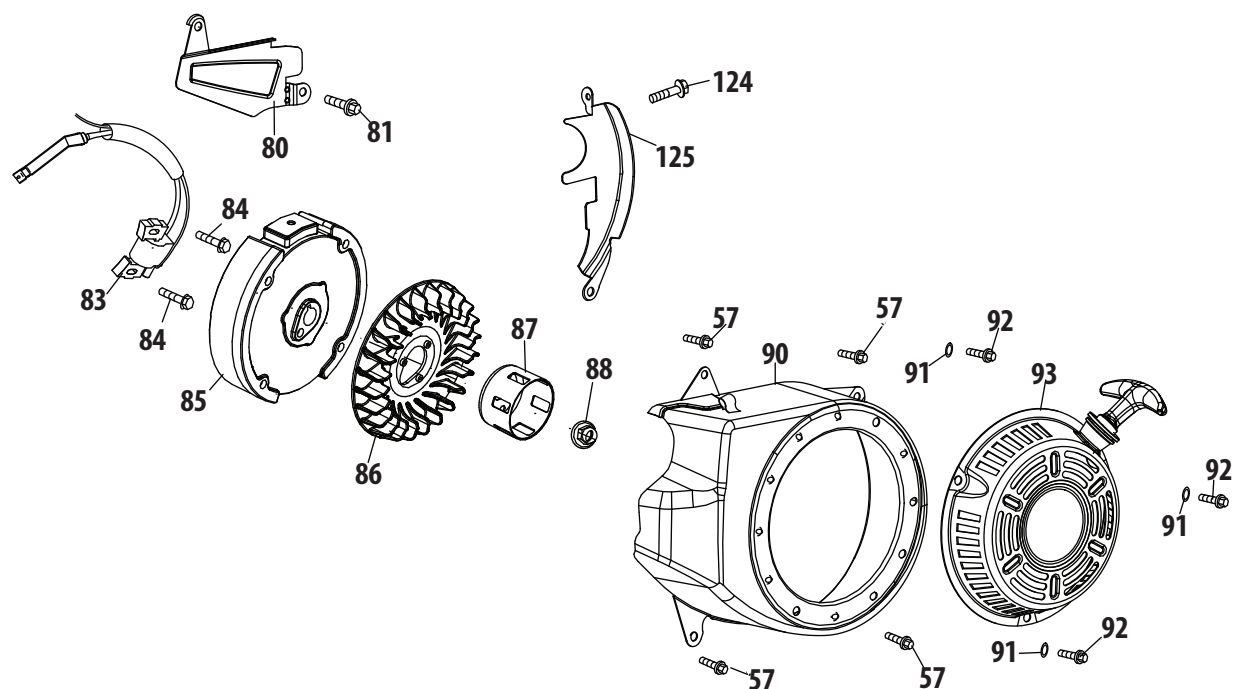
170-AUA Fuel Tank & Mounting



Ref.	Part Number	Description
1	710-04968	Bolt M6x16
57	710-04915	Bolt M6x12
94	951-11067	Throttle Control Knob
95	951-12131	Primer Bracket
96	710-05103	Bolt M6x12
97	951-11585	Governor Spring
98	951-10664	Throttle Linkage Spring
99	951-10665	Governor Rod
101	951-11106	Governor Arm Bracket
102	712-04212	Nut M6
103	710-04908	Governor Arm Bolt
104	751-10650	Fuel Line Kit
105	951-11700	Fuel Hose Clamp
106	951-14075	Valve, Roller Over

Ref.	Part Number	Description
107	951-11914	Engine Dipstick Cover
108	710-04905	Bolt
109	951-11913	Oil Fill Tube Assembly
110	951-11904	Dipstick O-Ring
111	951-10656	Dipstick Tube
112	951-11381	O-Ring
113	951-12482	Dipstick Assembly
114	951-12535	Fuel Cap
115	951-14076	Fuel Cap Chain
116	951-14133	Primer Hose Assembly
120	951-11933	Fuel Level Indicator
121	951-10651	Fuel Tank Nipple
122	951-14332	Fuel Tank
123	712-05015	Nut M6

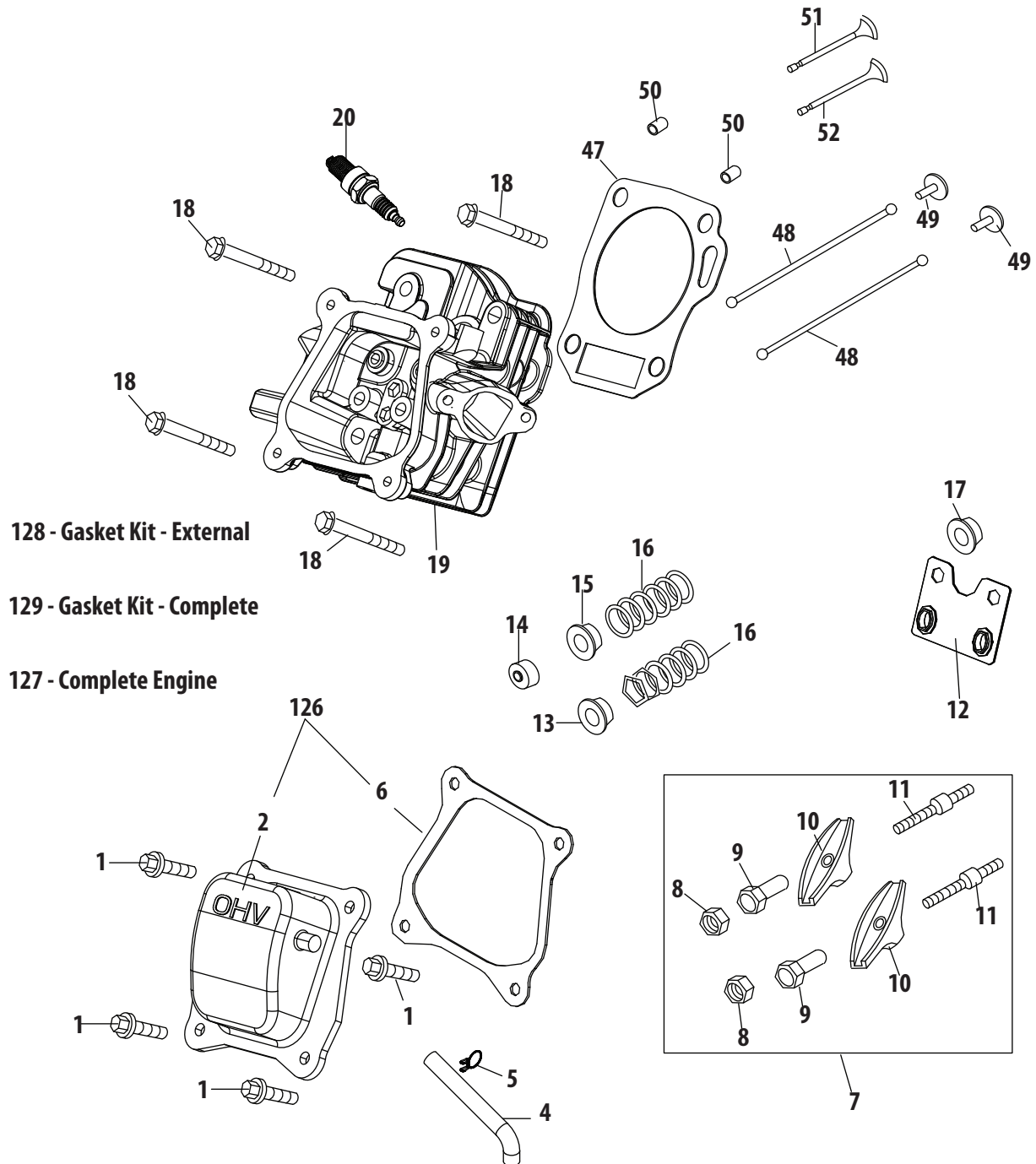
170-AUA Flywheel & Blower Housing



Ref.	Part Number	Description
57	710-04915	Bolt M6x12
80	951-11110	Air Flow Shield
81	710-04940	Bolt M6x10
83	951-11637	Ignition Coil
84	710-04919	Flange Bolt M6X25
85	951-14320	Flywheel
86	951-10934	Cooling Fan
87	951-10911	Starter Cup

Ref.	Part Number	Description
88	712-04209	Flywheel Nut, M14 X 1.5
90	951-11583	Blower Housing
91	736-04455	Flat Washer
92	710-04974	Bolt M6x10
93	951-12418	Recoil Starter Assembly
124	710-04918	Bolt:Flange M6X20
125	951-14138	Blower Housing Shield

170-AUA Cylinder Head

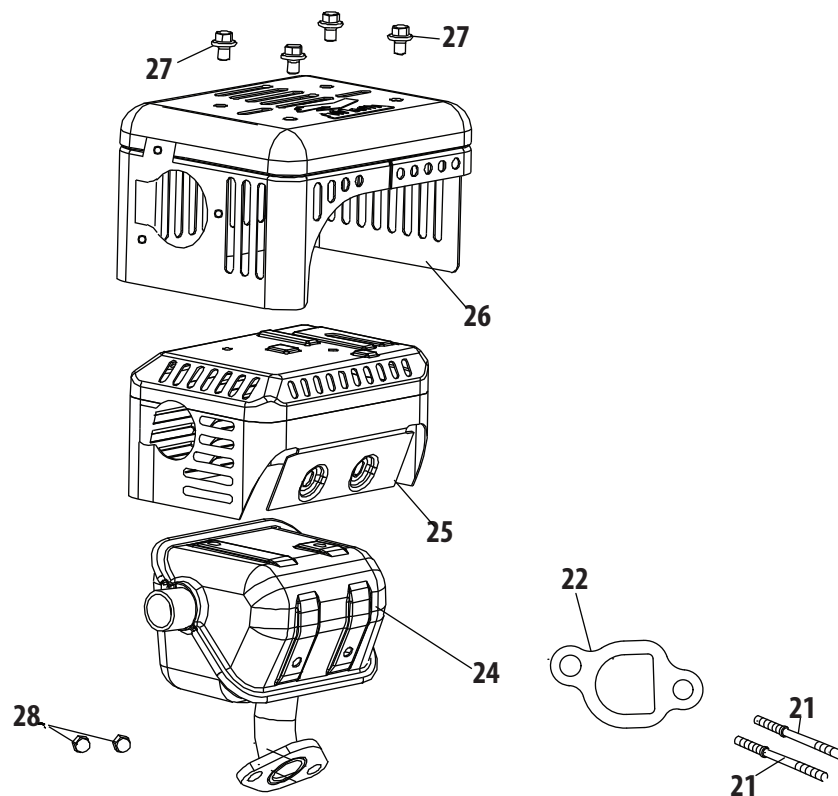


170-AUA Cylinder Head

Ref.	Part Number	Description
1	710-04968	Bolt M6×16
2	951-11054B	Valve Cover
4	731-07059	Breather Hose
5	726-04101	Breather Hose Clamp
6	951-11565	Valve Cover Gasket
7	951-11892	Rocker Arm Assembly
8	751-11124	Nut, Pivot Locking
9	751-11123	Adjusting Nut ,Valve
10	951-11893	Rocker Arm
11	710-04902	Bolt, Pivot
12	951-11895	Push Rod Guide
13	951-12000	Valve Spring Retainer (Intake)
14	951-12002	Exhaust Valve Adjuster
15	951-12003	Valve Spring Retainer (Exhaust)
16	951-12004	Valve Spring
17	951-11894	Valve Seal (Intake)

Ref.	Part Number	Description
18	710-06080	Bolt M8×55
19	951-05029	Cylinder Head Assembly (Incl. 6,8-17,19,22,30-32,47,51,52)
20	951-10292	Spark Plug/F6Rtc
47	951-14316	Gasket, Cylinder Head
48	751-10648	Push Rod Kit
49	951-11899	Tappet
50	715-04108	Dowel Pin 10X16
51	751-10647A	Valve Kit
52	751-10647A	Valve Kit
126	951-05033	Valve Cover Kit
127	952Z170-AUA	Complete Engine
128	951-12026A	Gasket Kit - External (Incl. 6,22,30-32,34)
129	951-05032	Gasket Kit - Complete (Incl. 6,22,30-32,34,47,61,62,71,77,82)

170-AUA Muffler



Ref.	Part Number	Description
21	710-04911	Muffler Stud M8×34
21	751-10657	Muffle Stud Kit
22	951-11289	Exhaust Pipe Gasket
24	951-14593	Muffler Body
25	751-14311	Muffler Shield
26	951-14310	Muffler Guard
27	710-06073	Bolt M5×8
28	712-04214	Nut, M8

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.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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