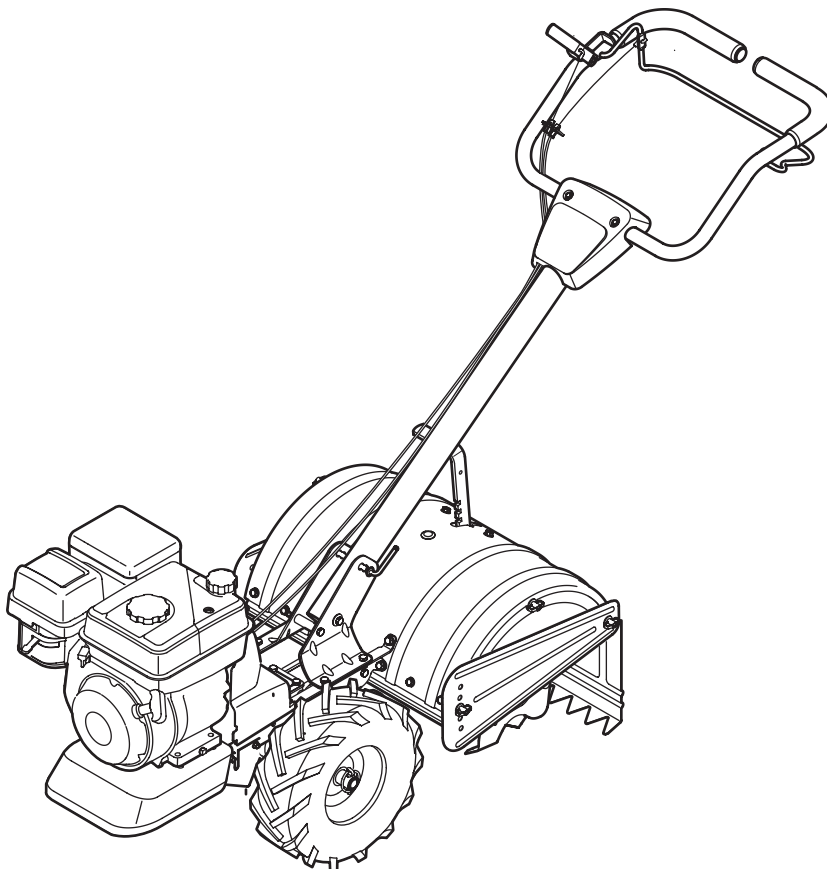
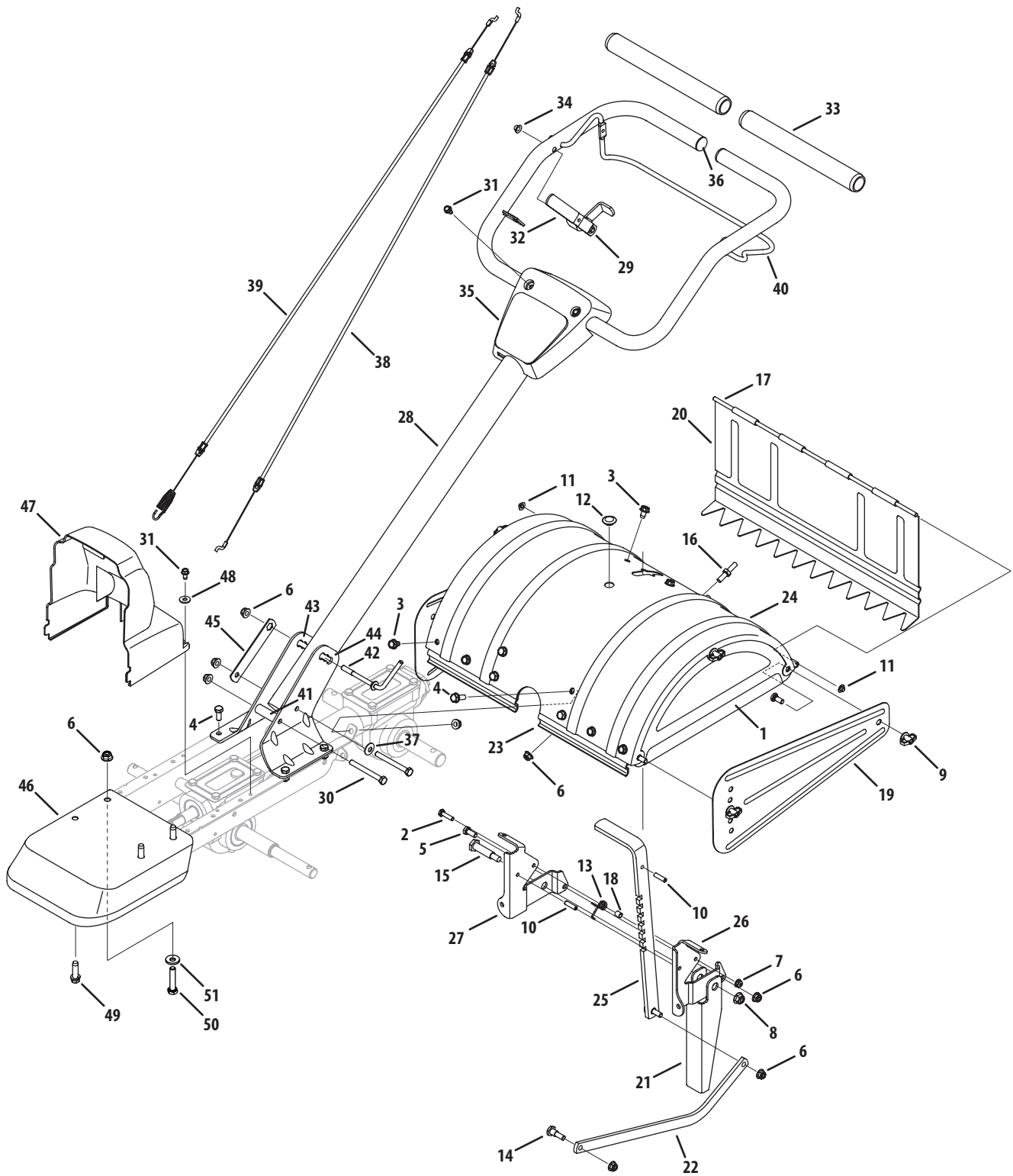

ILLUSTRATED PARTS MANUAL



Rear Tine CRT Tiller — 40M

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

400 Series Handle & Tine Shield



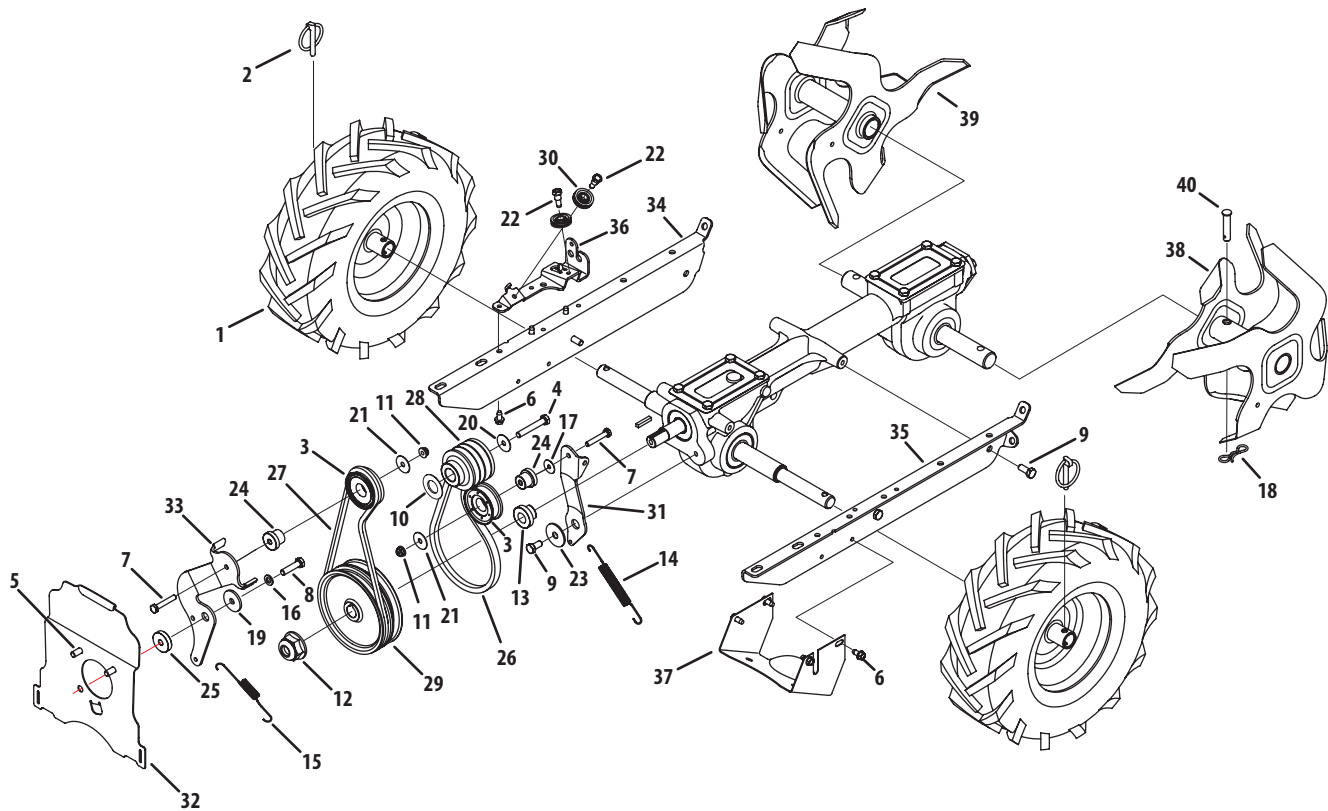
400 Series Handle & Tine Shield

Ref.	Part Number	Description
1.	686-0044B-0638	End Cover Assembly
2.	710-0597	Hex Head Screw, 1/4-20 x 1
3.	710-0604A	Hex Head Screw, 5/16-18 x .625
4.	710-1238	Hex Head Screw, 5/16-18 x .875
5.	710-3008	Hex Head Screw, 5/16-18 x .75
6.	712-04063	Nylon Hex Lock Nut, 5/16-18
7.	712-04064	Nylon Hex Lock Nut, 1/4-20
8.	712-04065	Flange Lock Nut, 3/8-16
9.	712-0421	Wing Nut, 5/16-18
10.	715-0108	Spirol Pin
11.	926-0106	Cap Nut, 1/4 Rod
12.	731-05512	Hole Plug
13.	732-04320	Torsion Spring
14.	738-04320	Shoulder Screw, .405 x .435 5/16-18
15.	938-0533	Shoulder Screw, .498 x 1.635
16.	938-0849	Stop Screw
17.	747-0432	Tiller Flap Rod
18.	750-05349	Spacer
19.*	786-0090A-0638	Side Shield
20.	786-0113A-0638	Rear Tine Shield
21.	786-04092-0638	Reverse Stop Arm
22.	786-04104-0638	Drag Bar
23.	786-04352A-0638	Tine Shield Mounting Bracket
24.	786-04355A-0638	Tine Shield
25.	786-04356-0638	Adjustable Depth Bar
26.	786-04363-0638	Tail Bracket, LH

Ref.	Part Number	Description
27.	786-04364-0638	Tail Bracket, RH
28.	649-04054-0638	Upper Handle Assembly
29.	686-04098-0638	Reverse Handle Assembly
30.	710-0189	Hex Head Screw, 5/16-18 x 3.00
31.	710-0599	Self-Tapping Screw, 1/4-20 x 1/2
32.	720-0270A	Reverse Handle Grip
33.	720-0278A	Foam Handle Grip
34.	726-0135	Cap Nut, .3125 dia.
35.	731-06253A	Handle Cover
36.	735-04105	Plug End
37.	736-0242	Bell Washer, .340 x .872 x .060
38.	946-04504	Reverse Cable
39.	946-04506	Forward Cable
40.	747-04789-0637	Clutch Bail
41.	750-0885A	Spacer, .322 x .625 x 2.00
42.	786-0340A	Handle Crank
43.	786-04344-0638	Handle Bracket, RH
44.	786-04345-0638	Handle Bracket, LH
45.	786-04358	Retainer Nut Bracket
46.	786-04360-0638	Front Bumper
47.	731-06529	Belt Cover
48.	736-0173	Flat Washer, .28 x .74 x .063
49.	710-0502A	SEMS Screw, 3/8-16
50.	710-0805	Hex Head Screw, 5/16-18 x 1.50
51.	736-04193	Bell Washer, .827 x .331 x .098

* If Equipped

400 Series Drive System

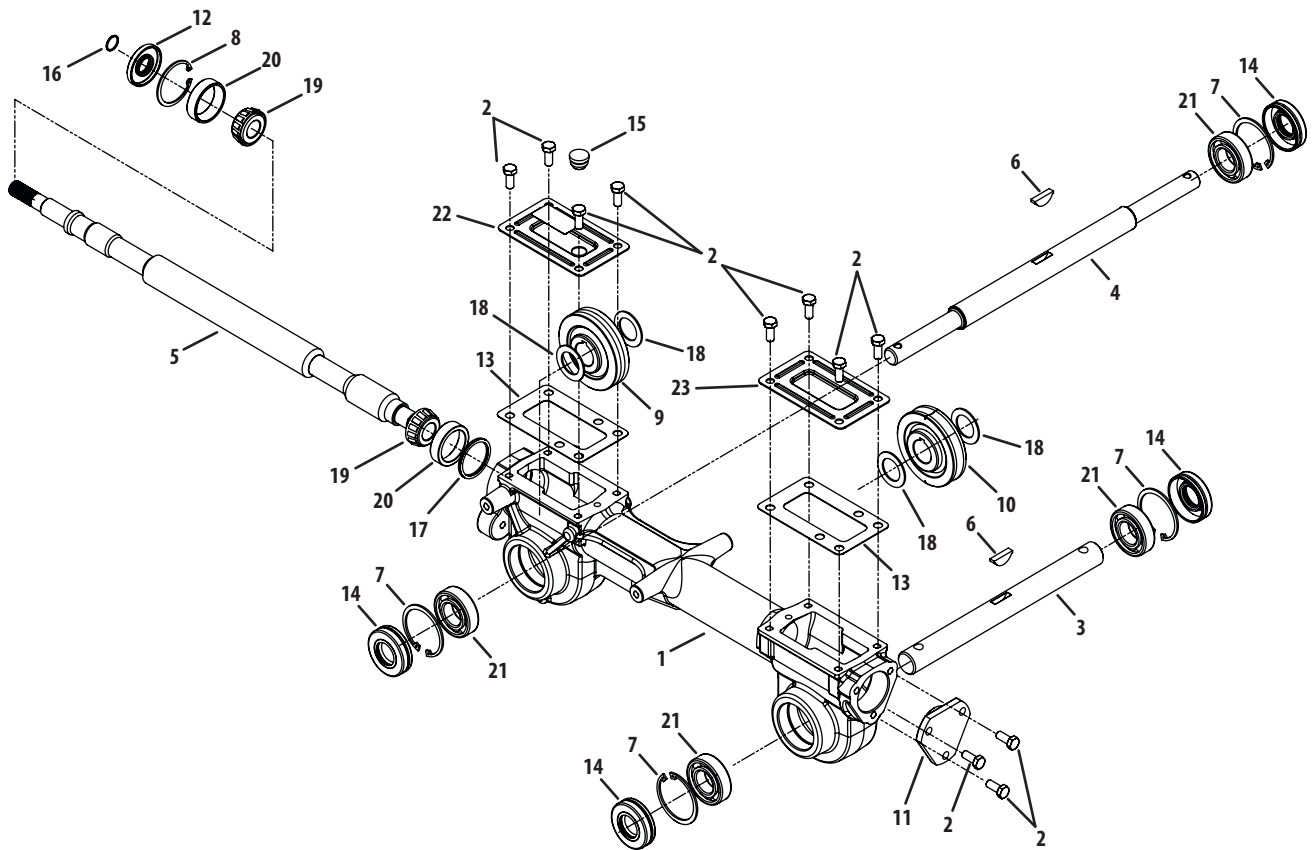


400 Series Drive System

Ref.	Part Number	Description
1.	934-04232	Complete Whl. Ass., 13 x 5 x 6 (B, C)
2.	714-0143A	Klik Pin
3.	684-04168	Idler Pulley Assembly
4.	710-0331	Hex Head Screw, $\frac{3}{8}$ -24 x 2.25
5.	710-0170	Hex Head Screw, $\frac{5}{16}$ -24 x .625
6.	710-0599	Self Tapping Screw, $\frac{1}{4}$ -20 x .500
7.	710-0606	Hex Head Screw, $\frac{1}{4}$ -20 x 1.50
8.	710-0672	Hex Head Screw, $\frac{5}{16}$ -18 x 1.25
9.	710-1880	Hex Head Screw, $\frac{5}{16}$ -18 x .75, Patch
10.	736-0315	Washer, Flat, .760 x 1.50 x .120
11.	712-04064	Nylon Hex Lock Nut, $\frac{1}{4}$ -20
12.	712-0700	Nut, 9/16-18, Flange Lock
13.	718-04407	Hub, $\frac{5}{8}$ Spline
14.	732-04085	Extension Spring, .480 OD X 5.00 LG
15.	732-04276A	Extension Spring, LT5 PTO
16.	936-0119	Lock Washer, $\frac{5}{16}$
17.	736-0173	Washer, .28 x .74 x .063
18.	714-04043	Cotter Pin, Bow Tie
19.	736-0343	Flat Washer, .330 X 1.25 X .120
20.	936-0452	Bell Washer, .396 x 1.140 x .095

Ref.	Part Number	Description
21.	736-3092	Flat Washer, .265 x 1.0 x .030
22.	738-04425	Shoulder Screw, .342 x .335 $\frac{1}{4}$ -28
23.	748-04087A	Pivot Idler Spacer
24.	750-04571	Shoulder Spacer, .260 x .785 x .538
25.	750-04907	Pivot Idler Spacer
26.	1916657	V-Belt, 4L x 25.375 Long
27.	1916658	V-Belt, 3L x 29.125 Long
28.	756-04198A	Engine Pulley
29.	756-04355	Transmission Pulley
30.	756-0625	Cable Roller
31.	786-04312	Idler Bracket, Forward
32.	786-04343-0638	Cover Plate
33.	786-04346	Idler Bracket, Reverse
34.	786-04416-0638	Mounting Frame, RH
35.	786-04415A-0638	Mounting Frame, LH
36.	786-04357-0638	Pulley Bracket
37.	786-04371-0638	Pulley Shield
38.	642-04071-0638	Tine Assembly, LH
39.	642-04072-0638	Tine Assembly, RH
40.	911-0415	Clevis Pin, .375 x 1.75

400 Series Transmission Assembly

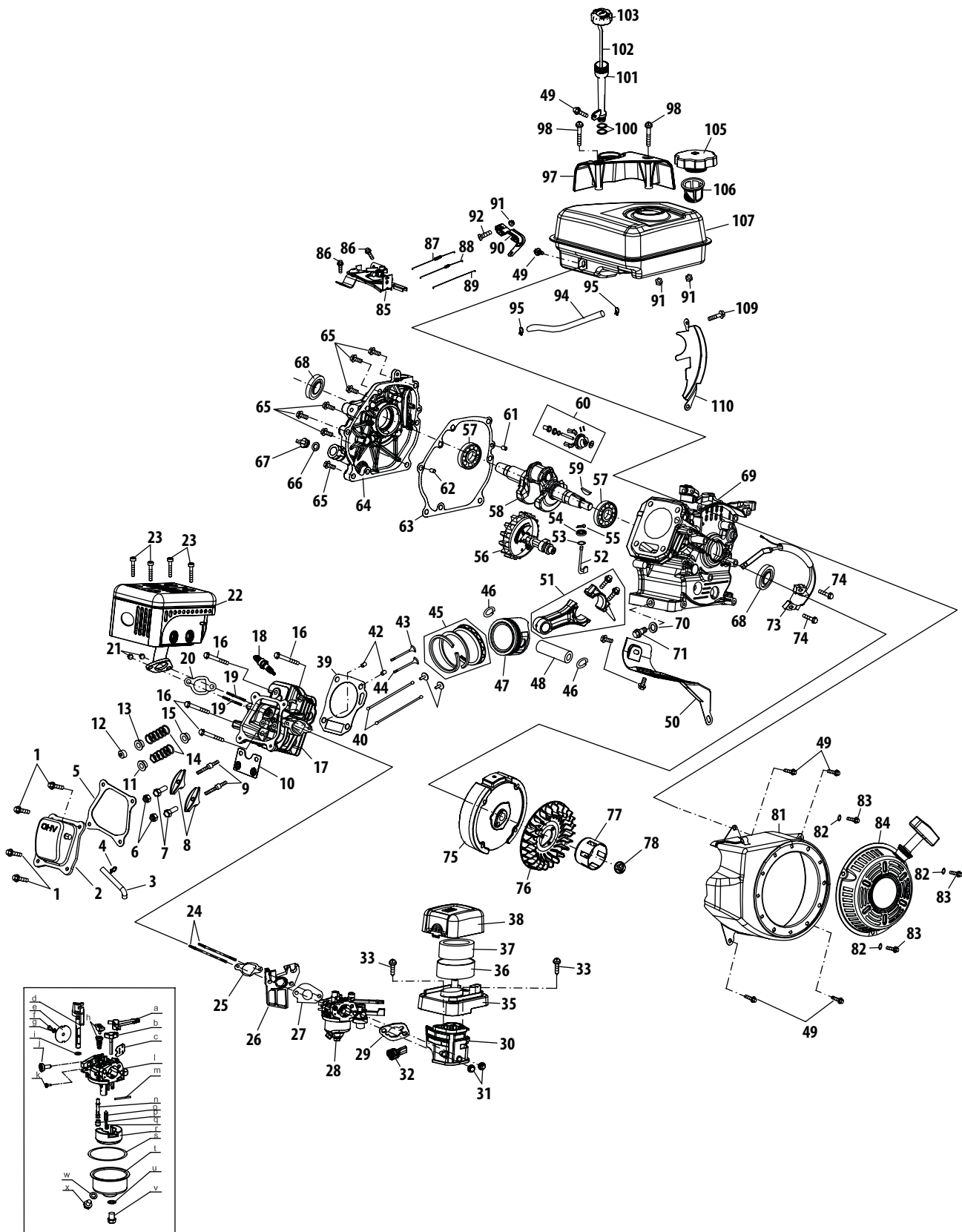


400 Series Transmission Assembly

Ref.	Part Number	Description
	918-04815A	Transmission Assembly
1.	919-04184A	Housing, Transmission
2.	710-3008	Hex Screw, 5/16-18, .75, Gr5
3.	911-04844	Shaft, Tiller
4.	911-04854	Shaft, Wheel
5.	911-05028	Shaft, Worm
6.	714-04059	Key, Hi Pro .25 x 1.062
7.	716-0204	Retaining Ring
8.	716-04102	Retaining Ring, Int
9.	917-04380	Worm Gear, 61t, RH
10.	917-04381	Worm Gear, 30t, LH
11.	918-04435	Bearing Cover
12.	921-04030	Seal, Oil, .750 Shaft x 1.783 Bore
13.	921-04229	Gasket, Gear Housing
14.	721-04232	Seal, Oil, 1.00 Shaft x 2.00 Bore
15.	721-04271	Rubber Plug, Oil
16.	732-0614	Wire Ring
17.	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
18.	736-0745	Washer, Flat, 1.010 x 1.56 x .060
19.	941-04298	Cone Bearing
20.	941-04299	Bearing Cup
21.	741-3114	Ball Bearing
22.	786-04366	Cover, Transmission
23.	786-04392	Cover, Transmission

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

Engine Model - 170-T0A



Ref No.	Part No.	Description
1	710-04917	Bolt
2	951-11054A	Valve Cover
3	731-07059	Breather Hose
4	726-04101	Breather Hose Clamp
5	951-11565	Valve Cover Gasket
6	751-11124	Nut, Pivot Locking
7	751-11123	Valve Adjusting Nut
9	710-04902	Rocker Arm Stud
16	710-05100	Cylinder Head Bolt
18	951-10292	Spark Plug
19	710-04911	Muffler Stud
21	712-04214	Nut
22	951-10793	Muffler Assembly
23	710-05002	Bolt
24	710-05101	Carburetor Stud
25	751-11567	Carburetor Insulator Gasket
26	951-11568	Carburetor Insulator
27	951-11569	Carburetor Gasket
29	951-11571	Carburetor Gasket Plate
30	951-10806	Air Cleaner Housing
31	712-04213	Nut
32	951-11067	Throttle Control Knob
33	710-05102	Self-Tapping Bolt
39	951-11572	Cylinder Head Gasket
42	715-04090	Dowel Pin
45	951-11253	Piston Ring Set
49	710-04915	Bolt
50	951-11113	Air Shield
51	951-11573	Connecting Rod Assembly
52	951-11356	Governor Arm Shaft
53	736-04461	Governor Shaft O-Ring
54	951-11574	Governor Seal
55	714-04078	Cotter Pin
56	951-11575	Camshaft Assembly
57	951-11369	Radial Ball Bearing
59	951-10307	Flywheel Key
60	951-11576	Governor Assembly
61	715-04092	Dowel Pin, 7 x 14
62	715-04089	Dowel Pin, 9 x 14
63	951-11371	Crankcase Cover Gasket

Ref No.	Part No.	Description
65	710-04932	Bolt
66	951-11577	O-Ring
68	951-11578	Oil Seal
70	736-04440	Oil Drain Plug Washer
71	710-04906	Oil Drain Plug
73	951-10792	Ignition Coil
74	710-04919	Bolt
75	951-10805	Flywheel
76	951-10934	Cooling Fan
77	951-10911	Starter Cup
78	712-04209	Nut
81	951-11583	Blower Housing
82	736-04455	Washer
83	710-04914	Bolt
84	951-10790	Recoil Starter Assembly
85	951-11584	Primer Bracket
86	710-05103	Bolt
87	951-11585	Governor Spring
88	951-10664	Throttle Linkage Spring
89	951-10665	Throttle Linkage
90	951-11106	Governor Arm
91	712-04212	Nut
92	710-04908	Governor Arm Bolt
97	951-10662	Engine/Dipstick Cover
98	710-04905	Bolt
100	951-11380	O-Ring
101	951-10656	Dipstick Tube
106	951-10652	Fuel Filter
107	951-10796	Fuel Tank
109	710-04918	Bolt
110	951-11109	Blower Housing Shield
a	951-11177	Choke Control Lever
s	951-11589	Fuel Bowl Gasket
u	710-04904	Fuel Bowl Bolt Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04903	Fuel Drain Bolt
—	951-10829	Spark Arrestor (Not Shown)
—	951-10651	Fuel Tank Nipple (Not Shown)

NOTE: Illustrated parts without a numeric call-out are not servicable components.

Engine Model - 170-T0A

Ref No.	Part No.	Description	Ref No.	Part No.	Description
—	951-10798A	Short Block	—	951-10799	Cylinder Head Assembly
5	951-11565	Valve Cover Gasket	5	951-11565	Valve Cover Gasket
20	—	Exhaust Pipe Gasket	7	751-11123	Valve Adjusting Nut
25	751-11567	Carburetor Insulator Gasket	8	—	Rocker Arm
26	951-11568	Carburetor Insulator	9	710-04902	Rocker Arm Stud
29	951-11571	Carburetor Gasket Plate	10	—	Push Rod Guide
39	951-11572	Cylinder Head Gasket	11	—	Valve Spring Retainer-Intake
41	—	Valve Lifter	12	—	Exhaust Valve Adjustor
45	951-11253	Piston Ring Set	13	—	Valve Spring Retainer-Exhaust
46	—	Piston Pin Clip	14	—	Valve Spring
47	—	Piston	17	—	Cylinder Head
48	—	Piston Pin	20	—	Exhaust Pipe Gasket
51	951-11573	Connecting Rod Assembly	25	751-11567	Carburetor Insulator Gasket
52	951-11356	Governor Arm Shaft	26	951-11568	Carburetor Insulator
53	736-04461	Governor Shaft O-Ring	39	951-11572	Cylinder Head Gasket
54	951-11574	Governor Seal	42	715-04090	Dowel Pin
55	714-04078	Cotter Pin	43	—	Exhaust Valve
56	951-11575	Camshaft Assembly	44	—	Intake Valve
57	951-11369	Radial Ball Bearing	—	951-11586	Crankcase Cover Kit
58	—	Crankshaft Assembly	57	951-11369	Radial Ball Bearing
60	951-11576	Governor Assembly	63	951-11371	Crankcase Cover Gasket
61	715-04092	Dowel Pin, 7 x 14	64	—	Crankcase Cover
62	715-04089	Dowel Pin, 9 x 14	65	710-04932	Bolt
63	951-11371	Crankcase Cover Gasket	68	951-11578	Oil Seal
64	—	Crankcase Cover	—	951-11588	Crankcase Kit
65	710-04932	Bolt	52	951-11356	Governor Arm Shaft
66	951-11577	O-Ring	53	736-04461	Governor Shaft O-Ring
67	—	Oil Filler Plug	54	951-11574	Governor Seal
68	951-11578	Oil Seal	55	714-04078	Cotter Pin
69	—	Crankcase Complete	57	951-11369	Radial Ball Bearing
70	736-04440	Oil Drain Plug Washer	68	951-11578	Oil Seal
71	710-04906	Oil Drain Plug	69	—	Crankcase Complete
—	951-11587	Crankshaft Kit	—	951-10801A	Gasket Kit - External
57	951-11369	Radial Ball Bearing	20	—	Exhaust Pipe Gasket
58	—	Crankshaft Assembly	25	751-11567	Carburetor Insulator Gasket
59	951-10307	Flywheel Key	27	951-11569	Carburetor Gasket
63	951-11371	Crankcase Cover Gasket	66	951-11577	O-Ring
68	951-11578	Oil Seal	70	736-04440	Oil Drain Plug Washer
—	951-11063A	Valve Cover Gasket Kit	—	951-10818	Air Cleaner Housing Assembly
2	951-11054A	Valve Cover	35	—	Lower Housing
5	951-11565	Valve Cover Gasket	38	—	Upper Housing

NOTE: Illustrated parts without a numeric call-out are not servicable components.

Ref No.	Part No.	Description
28	951-10797	Carburetor Assembly
a	951-11177	Choke Control Lever
b	—	Choke Shaft
c	—	Choke Plate
d	—	Throttle Shaft
e	—	Throttle Plate
f	—	Screw
g	—	Lock Washer
h	—	Idle Jet Assembly
i	—	Throttle Plate Gasket
j	—	Idle Speed Adjusting Screw
k	—	Mixture Screw
l	—	Carburetor Body
m	—	Float Pin
n	—	Main Nozzle
o	—	Needle Valve (Float)
p	—	Main Jet
q	—	Needle Valve Spring
r	—	Float
s	951-11589	Fuel Bowl Gasket
t	—	Fuel Bowl
u	710-04904	Fuel Bowl Bolt Gasket
v	710-04945	Fuel Bowl Mounting Bolt
w	951-11349	Fuel Drain Plug Gasket
x	710-04903	Fuel Drain Bolt
—	951-10800A	Carburetor Kit - Major
a	951-11177	Choke Control Lever
h	—	Idle Jet Assembly
i	—	Throttle Plate Gasket
j	—	Idle Speed Adjusting Screw
m	—	Float Pin
n	—	Main Nozzle
o	—	Needle Valve (Float)
p	—	Main Jet
q	—	Needle Valve Spring
r	—	Float
s	951-11589	Fuel Bowl Gasket
u	710-04904	Fuel Bowl Bolt Gasket
w	951-11349	Fuel Drain Plug Gasket
—	951-10648	Push Rod Kit
40	—	Push Rod

Ref No.	Part No.	Description
—	951-10647	Valve Kit
43	—	Exhaust Valve
44	—	Intake Valve
—	951-10655	Dipstick Assembly
102	—	Dipstick Gauge
103	—	Dipstick Cap
—	951-10669	Oil Fill Plug Assembly
66	951-11577	O-Ring
67	—	Oil Filler Plug
—	951-10650	Fuel Line Kit
94	—	Fuel Hose
95	—	Hose Clamp
—	951-10657	Muffler Stud Assembly
19	710-04911	Muffler Stud
—	951-10819	Cylinder Head Service Kit
5	951-11565	Valve Cover Gasket
15	—	Valve Seal
16	710-05100	Cylinder Head Bolt
39	951-11572	Cylinder Head Gasket
—	951-10794	Air Cleaner
36	—	Air Cleaner Foam Wrap
37	—	Air Cleaner Element
—	951-10802A	Gasket Kit - Complete
5	951-11565	Valve Cover Gasket
20	—	Exhaust Pipe Gasket
25	751-11567	Carburetor Insulator Gasket
26	951-11568	Carburetor Insulator
27	951-11569	Carburetor Gasket
29	951-11571	Carburetor Gasket Plate
39	951-11572	Cylinder Head Gasket
53	736-04461	Governor Shaft O-Ring
63	951-11371	Crankcase Cover Gasket
66	951-11577	O-Ring
68	951-11578	Oil Seal
70	736-04440	Oil Drain Plug Washer
105	951-10917	Fuel Cap
—	—	Gasket (Not Shown)
—	—	Gasket Retainer (Not Shown)
—	951-10826	Recoil Spring & Pulley Assembly
—	—	Starter Pulley (Not Shown)
—	—	Recoil Spring (Not Shown)

NOTE: Illustrated parts without a numeric call-out are not servicable components.