



Z-Master<sup>™</sup>

**Compact Series**  
**Z150**  
**with 52" Side**  
**Discharge Mower**

Model No. 74172 – 990001 & Up

---

**Parts Catalog**

## ORDERING REPLACEMENT PARTS

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

## Contents

Description	Page	Description	Page
Front Frame Assembly .....	1	Pump, Idler And Belt Assembly .....	8
Lift Handles And Plates .....	2	Engine And Clutch Assembly .....	9
Main Frame .....	3	Electrical Assembly .....	10
Fuel System Assembly .....	4	Decals, Deflector, Cover And Rollers Assembly ..	11
Parking Brake System Assembly .....	5	Blade, Spindle And Belt Assembly .....	12
Motion Control System Assembly .....	6	Chains, Pulleys, Lift Struts And Idler Assembly ..	13
Hydraulic Assembly .....	7	<b>Note:</b>	

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning	Abbreviation	Meaning
AR .....	as required	HWHTF .....	hex washer head thread forming
ASM .....	assembly	INC .....	incorporated
CARR .....	carriage	LH .....	left hand
DEG .....	degrees	PH .....	pan head
FH .....	flat head	PPH .....	Phillips pan head
GA .....	gauge	PTO .....	power take off
HF .....	hex flange	RH .....	right hand
HFW .....	hex flange washer	SFH .....	slotted fillister head
HH .....	hex head	SH .....	square head
HHF .....	hex head flange	SHWH .....	slotted hex washer head
HHST .....	hex head self tapping	SPH .....	slotted pan head
HJ .....	hex jam	STD .....	standard
HOC .....	height-of-cut	TAP .....	self tapping
HS .....	hex socket	TH .....	truss head
HSBH .....	hex socket button head	TTH .....	Torx truss head
HSFH .....	hex socket flat head	WH .....	wing head
HSH .....	hex socket head		
HWH .....	hex washer head		

## Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.

### Service Assemblies

Parts within service assemblies have reference numbers in the form X:Y. X is the reference number of the service assembly and Y is a sequential number unique to each part within the service assembly.

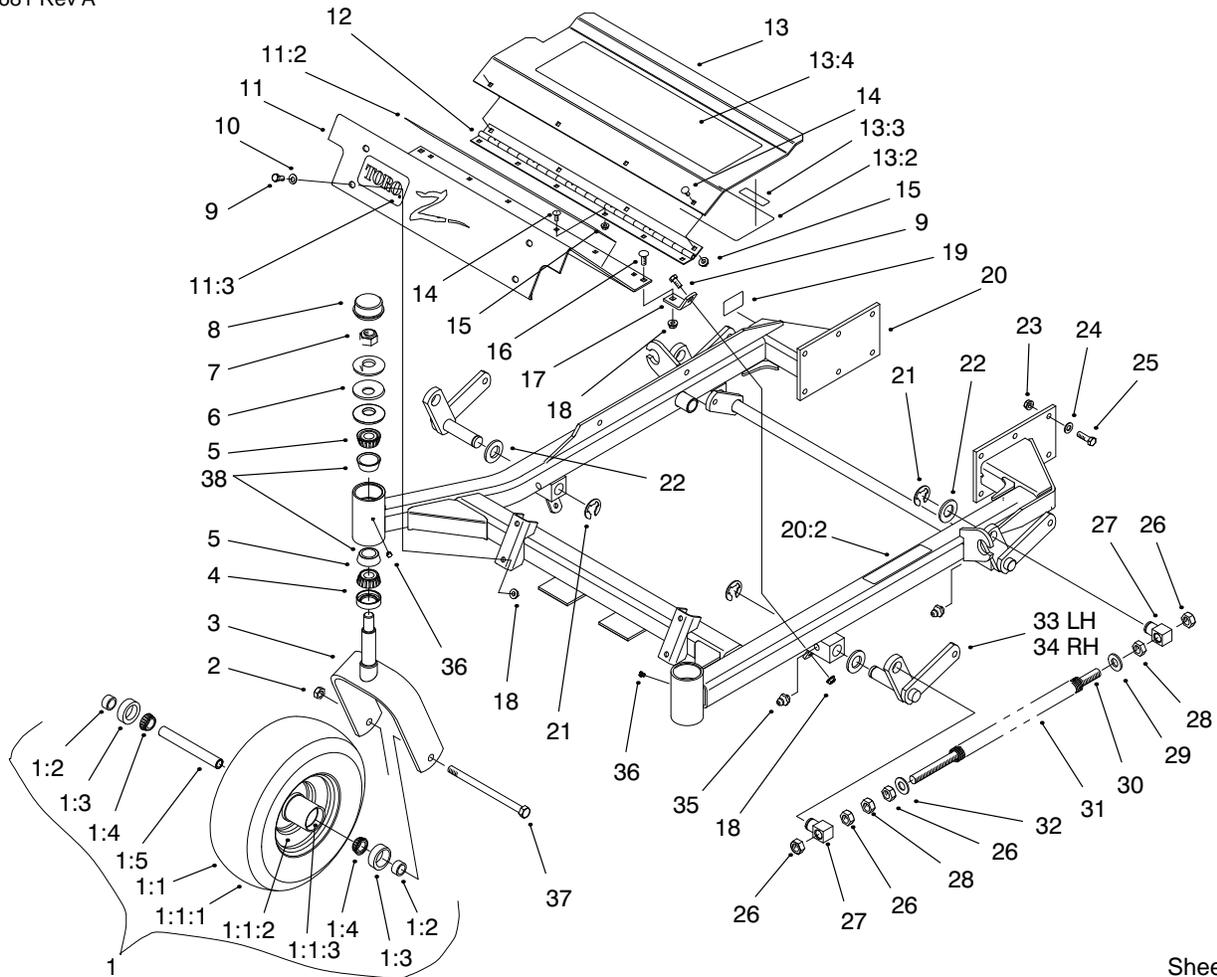
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually.

Reference numbers of this type appear in part lists and as callouts in illustrations.

## **Reference Numbers with Quantities**

Illustrations may have a quantity in parentheses next to a reference number, in the form  $X (Y)$ .  $X$  is the reference number.  $Y$  in parentheses is the quantity of the part identified by the reference number.

For example, the illustration callout 4 (2) indicates that two parts are used in that instance.



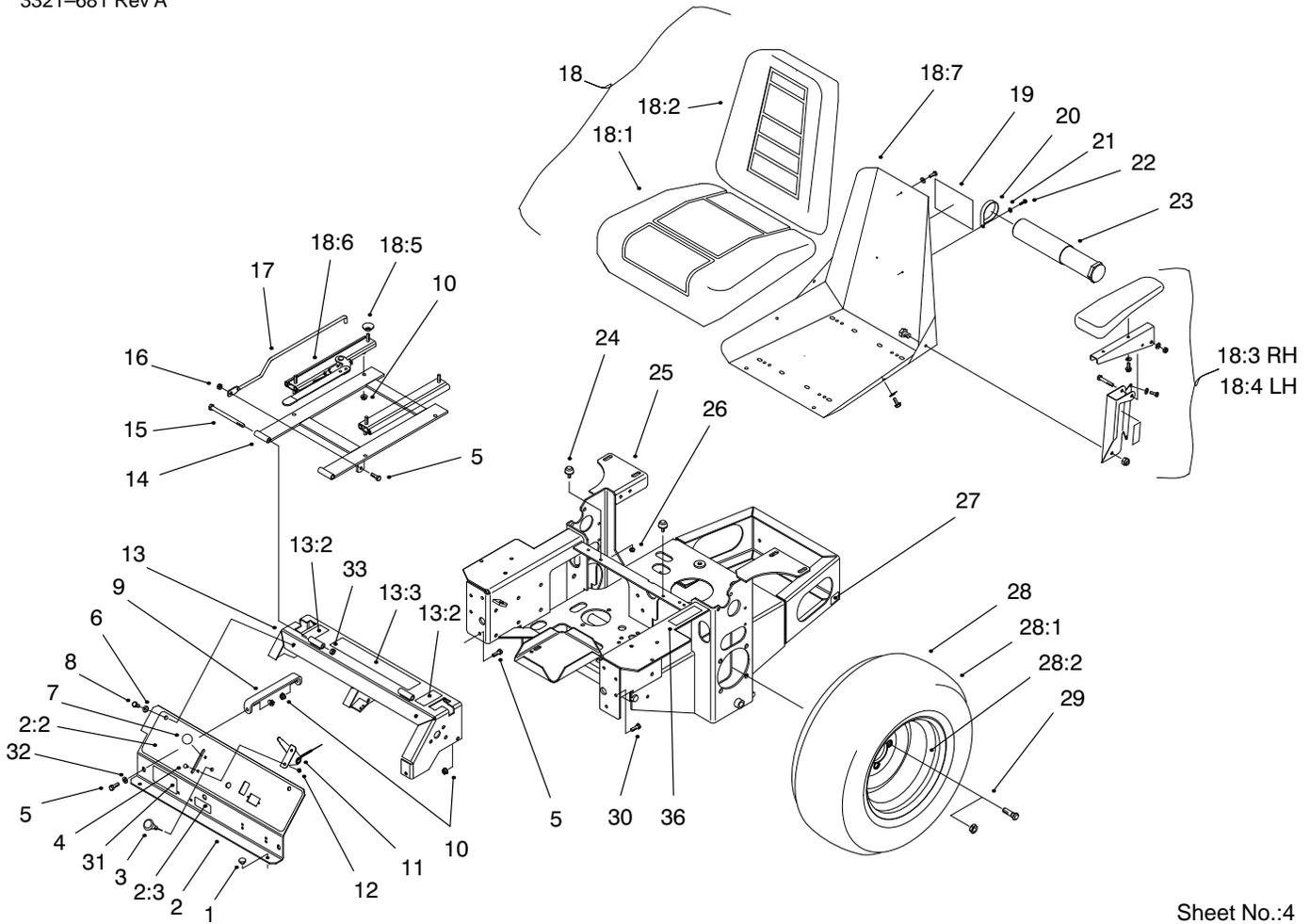
Sheet No.:2

## Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	E632586	2	Caster Wheel ASM
1:1	E633582	1	Wheel & Tire ASM
1:1:1	E633002	1	Tire
1:1:2	E633583	1	Wheel
1:1:3	254-79	2	Bearing-Roller, Cup
1:2	E633581	2	Spacer-Bearing
1:3	E633580	2	Seal-Bearing
1:4	254-78	2	Bearing-Roller, Cone
1:5	E633579	1	Spacer-Front Caster
2	3296-45	2	Nut-Lock Ni
3	E632511	2	Caster
4	E543511	2	Seal-Grease
5	254-94	4	Bearing-Cone
6	E633508	6	Washer-Bellevue
7	3296-51	2	Nut-Lock Ni
8	E543513	2	Cap-Grease
9	322-3	6	Screw-HH
10	3256-23	4	Washer-Flat
11	99-3940	1	Floorpan-Front
11:2	E633553	1	Pad-Antiskid
11:3	E633737	1	Decal- Z-Master
12	E653049	1	Hinge-Floorpan
13	99-3930	1	Footrest ASM
13:2	99-3924	1	Decal-Service
13:3	98-5954	1	Decal-Cover Missing
13:4	E633553	1	Pad-Antiskid

Ref. No.	Part No.	Qty.	Description
14	3229-10	10	Screw-CARR
15	32128-33	10	Nut-Hex Flange
16	3230-1	2	Screw-CARR
17	99-3870-01	2	Bracket-Floorpan
18	32128-20	8	Nut-Hex Flange
19	88-1270	1	Decal-Safety STD
20	99-3931	1	Front Frame ASM
20:2	E633818	1	Decal
21	32151-103	6	Snap Ring
22	3256-29	6	Washer-Flat
23	3290-357	12	Nut-Lock
24	E303327	12	Washer-Disc Spring
25	323-7	12	Screw-HH
26	3217-11	8	Nut-Hex
27	E633441	4	Swivel-Deck Mount
28	3218-6	4	Nut-Jam
29	3256-7	2	Washer-Flat
30	E653011	2	Rod-Deck Lift
31	E653009	2	Spring-Lift Assist
32	3256-27	2	Washer-Flat
33	99-3871-01	1	LH Lift Arm ASM
34	99-3872-01	1	RH Lift Arm ASM
35	302-58	4	Zerk
36	E811010	2	Plug-Caster Swivel
37	E800339	2	Screw-HH
38	254-72	4	Cup-Bearing, Outer





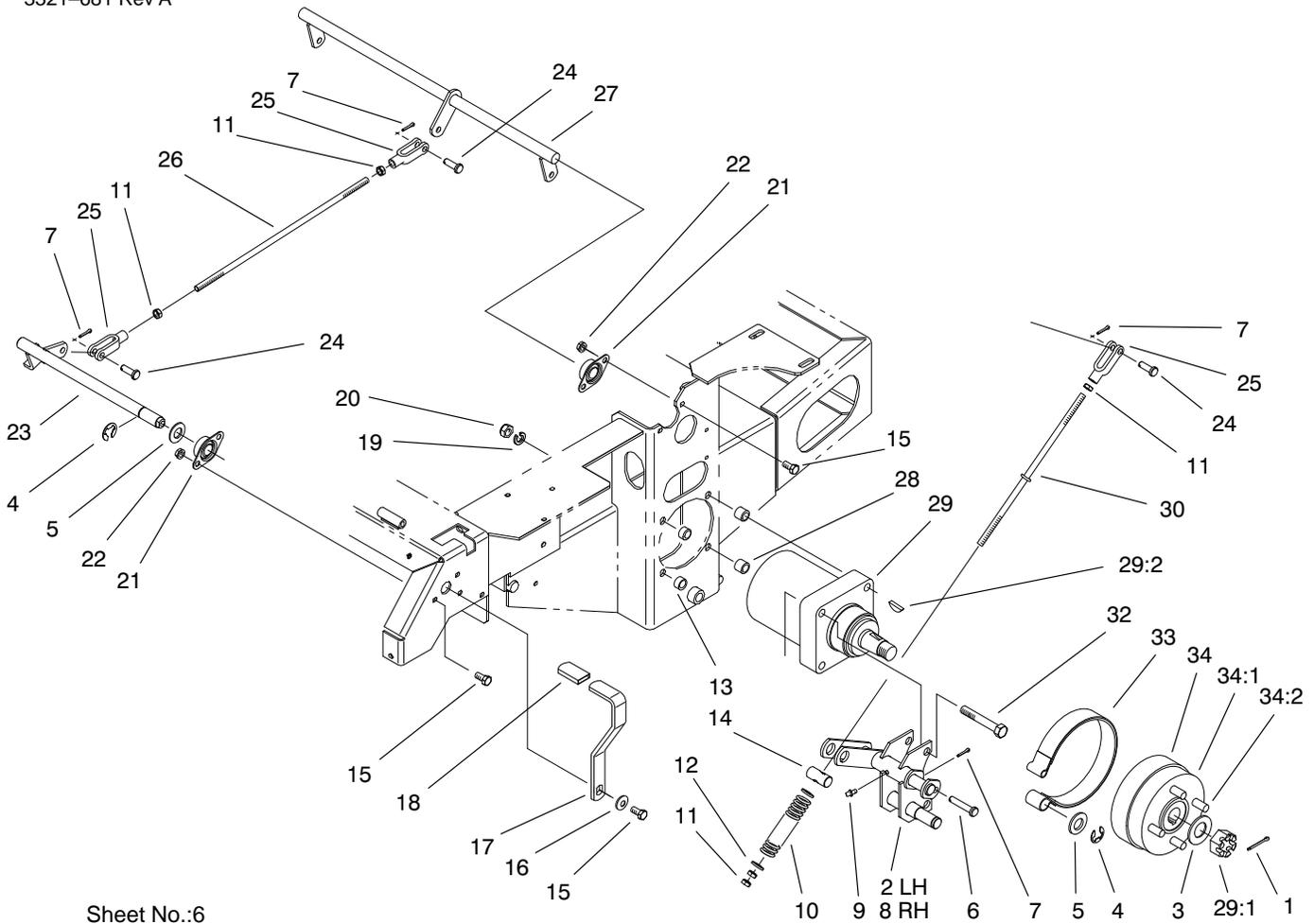
Sheet No.:4

## Main Frame

Ref. No.	Part No.	Qty.	Description
1	E513658	2	Bumper-Catcher, Grass
2	99-3932	1	Control Panel ASM
2:2	99-3942	1	Decal-Control Panel
2:3	E633346	1	Decal-Fuel Valve
3	E603336	1	Control-Choke, Push-Pull
4	E807513	2	Bolt-CARR
5	322-5	3	Screw-HH
6	3256-23	2	Washer-Flat
7	E513592	1	Knob-Ball, Red
8	322-3	3	Screw-HH
9	E653089	1	Bracket-Panel, Instrument
10	32128-20	12	Nut-Hex Flange
11	E633696	1	Cable-Throttle
12	3296-2	2	Nut-Lock Ni
13	99-3933	1	Console ASM
13:2	E633354	2	Decal-Motion Control
13:3	E513747	1	Decal-Battery
14	E632187	1	Frame-Seat
15	321-21	2	Screw-HH
16	3296-29	1	Nut-Lock Ni
17	E653148	1	Rod-Hold Up, Seat
18	E633705	1	Seat ASM w/Armrest
18:1	E543407	1	Cushion-Seat

Ref. No.	Part No.	Qty.	Description
18:2	E633709	1	Cushion-Backrest
18:3	E633710	1	Armrest - RH
18:4	E633711	1	Armrest - LH
18:5	E543401	4	Spacer-Track
18:6	E523428	1	Track-Locking, 4"
18:7	E633859	1	Frame-Seat
19	93-7340	1	Decal-Toro
20	2412-120	2	R Clamp
21	3256-14	2	Washer-Flat
22	32144-34	2	Screw-Thread Forming
23	74-0720	1	Tube-Manual
24	E523420	2	Bumper
25	E652108	1	Frame-Engine Deck
26	32128-33	2	Nut-Hex Flange
27	65-2690	2	Decal-Hot Surface
28	E653159	2	Wheel And Tire ASM
28:1	E653160	1	Tire
28:2	E653161	1	Wheel
29	E513011	8	Wheel-Wheel
29	E633273	8	Wheel Bolt
30	322-2	6	Screw-HH
31	99-4604	1	Decal-Z150
32	3256-3	4	Washer-Flat
33	3296-39	2	Nut-Lock Ni
36	E603845	1	Decal-,Drive Wheel



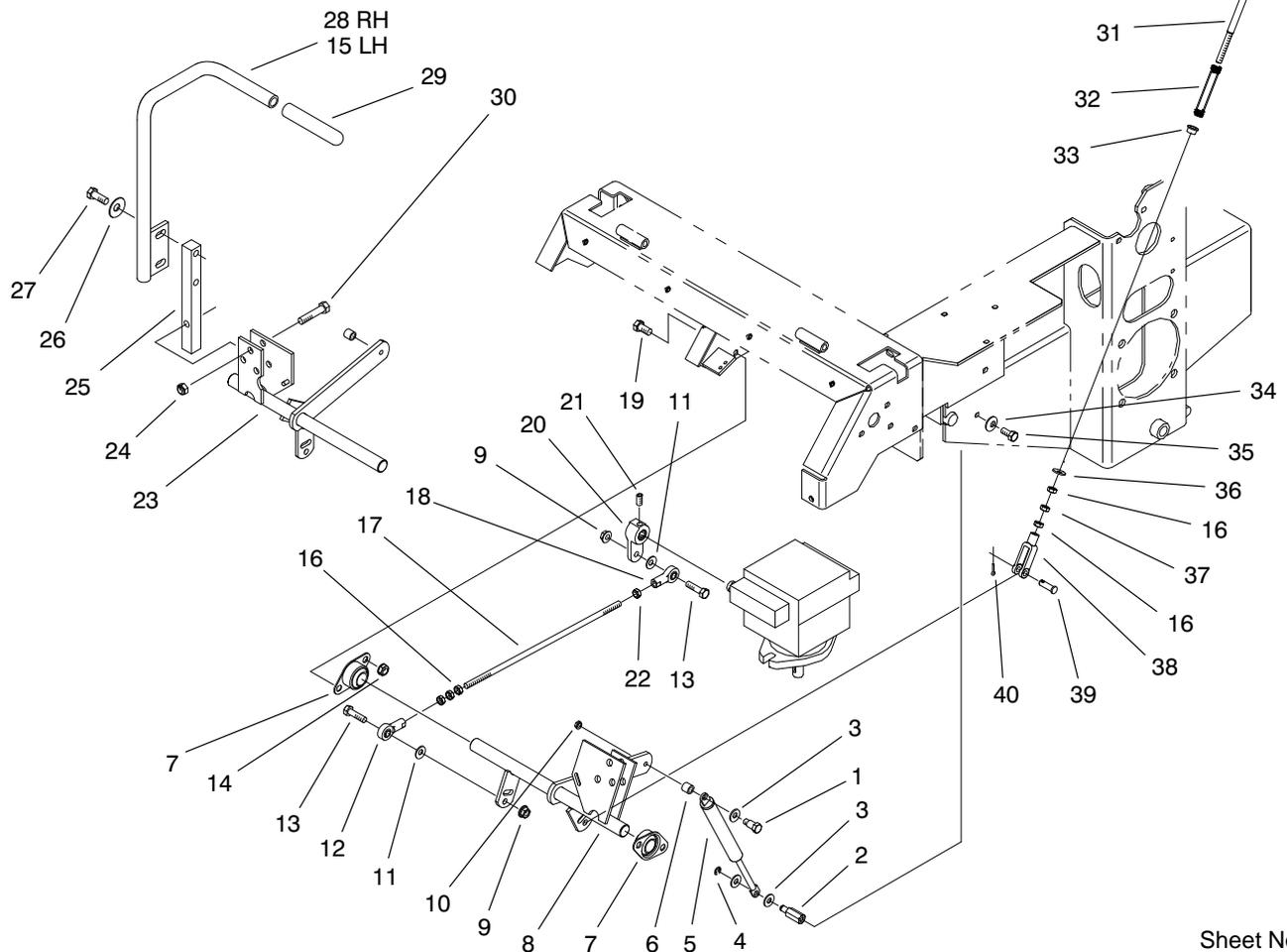


Sheet No.:6

## Parking Brake System Assembly

Ref. No.	Part No.	Qty.	Description
1	E806800	2	Pin-Cotter
2	E652134	1	Bracket-Brake, LH
3	E523157	2	Spacer-14 GA
4	E808514	3	Ring-Retaining
5	3256-28	3	Washer-Flat
6	E808283	2	Pin-Clevis
7	3272-10	6	Pin-Cotter
8	E652135	1	Bracket-Brake, RH
9	E811007	2	Fitting-Grease
10	E633454	2	Spring-Brake
11	3219-3	8	Nut-Hex
12	3256-4	4	Washer-Flat
13	E653069	4	Spacer
14	E633144	2	Pin-Trunion
15	323-4	9	Screw-HH
16	E303327	1	Washer-Disc Spring
17	E653074	1	Handle-Brake, Park
18	E633268	1	Grip-Brake Lever
19	3253-7	8	Washer-Lock/Sp
20	3217-9	8	Nut-Hex
21	E633102	4	Bearing-Side Flange
22	3290-357	8	Nut-Lock
23	E652085	1	Shaft-Brake, Shaft
24	E808285	4	Pin-Clevis
25	E633131	4	Yoke-Brake Linkage
26	E653061	1	Linkage-Brake Handle

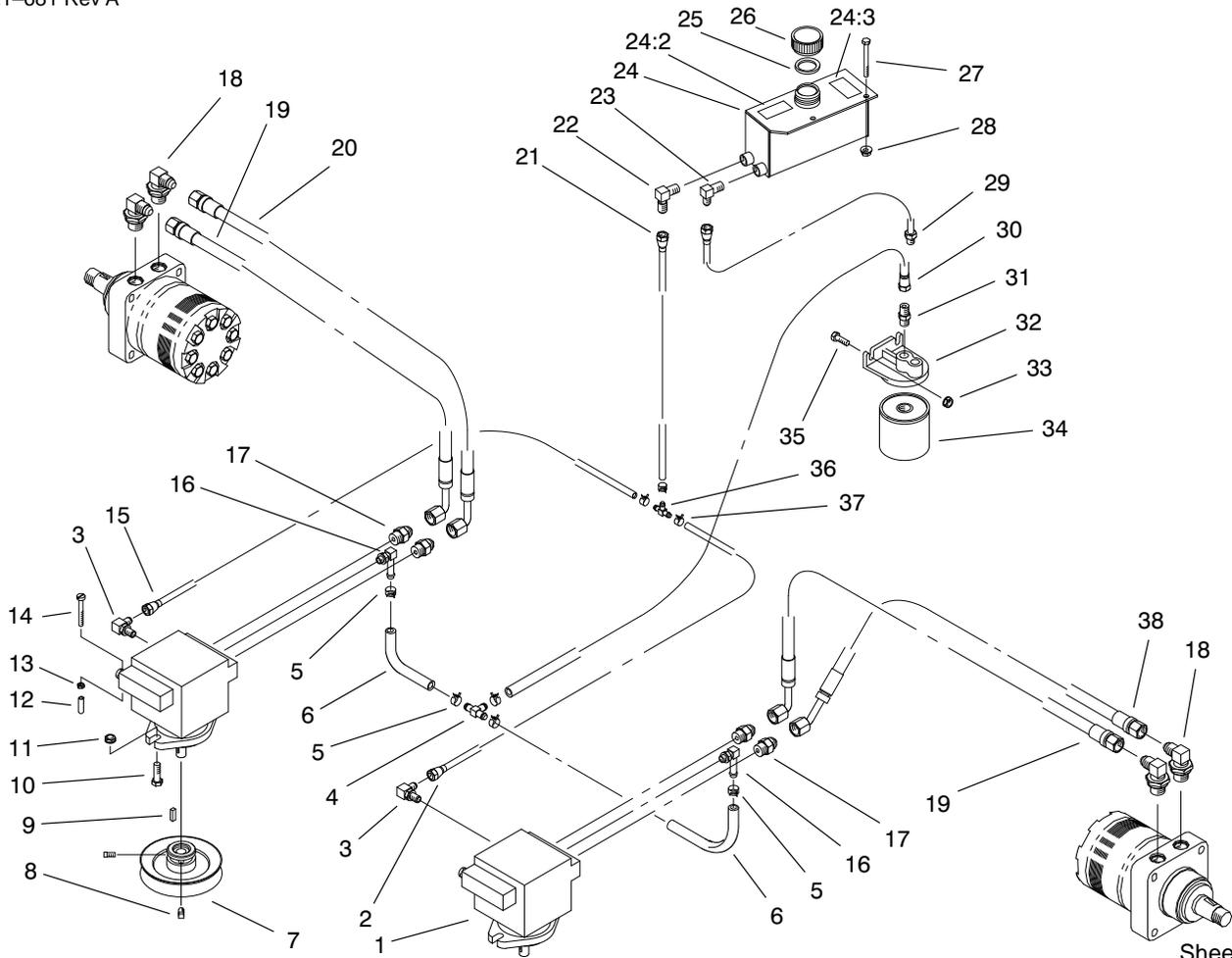
Ref. No.	Part No.	Qty.	Description
27	E652073	1	Brake Crank
28	E653068	4	Spacer
29	E523328	2	Motor-Wheel
29:1	E809036	1	Nut-Castle
29:2	E807020	1	Woodruff-Key
30	E633477	2	Rod-Brake
32	325-13	8	Screw-HH
33	E633693	2	Brake Band
34	E633548	2	Hub-Wheel
34	E634927	2	Hub And Drum ASM
34:1	E633548	1	Hub-Wheel
34:2	E633926	4	Stud-Wheel



Sheet No.:7

## Motion Control System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	E809057	2	Bolt-Shoulder	25	E633177	2	Arm
2	E653165	2	Pin-Damper Anchor	26	E303327	4	Washer-Disc Spring
3	3256-23	6	Washer-Flat	27	323-6	4	Screw-HH
4	E808512	2	E-Ring	28	E632193	1	Lever-RH
5	E523027	2	Damper-Control	29	E633257	2	Grip-Motion Control
6	E603903	2	Spacer	30	323-9	6	Screw-HH
7	E633102	4	Bearing-Side Flange	31	E603737	2	Bolt-Neutral Return
8	E652105	1	Bracket-Motion Control, LH	32	E603807	2	Spring-Neutral Return
9	32128-20	4	Nut-Hex Flange	33	E603735	2	Bushing-Nylon Flanged
10	32128-33	2	Nut-Hex Flange	34	E303334	2	Washer-Disc Spring
11	3256-3	4	Washer-Flat	35	322-3	2	Screw-HH
12	E543017	2	Ball Joint	36	3256-2	2	Washer-Flat
13	322-6	4	Screw-HH	37	3220-2	2	Nut-Jam
14	3290-357	8	Nut-Lock	38	E303105	2	Yoke-Adjustable
15	E632191	1	Lever-LH	39	E808280	2	Pin-Clevis
16	3219-2	10	Nut-Hex	40	3272-5	2	Pin-Cotter
17	E653046	2	Link-Pump Control				
18	E633152	2	Ball Joint-LH Thread				
19	323-4	8	Screw-HH				
20	E653092	2	Arm-Pump Control				
21	E803022	2	Screw				
22	E804524	2	Nut				
23	E652106	1	Bracket-Motion Control, RH				
24	3296-39	6	Nut-Lock Ni				



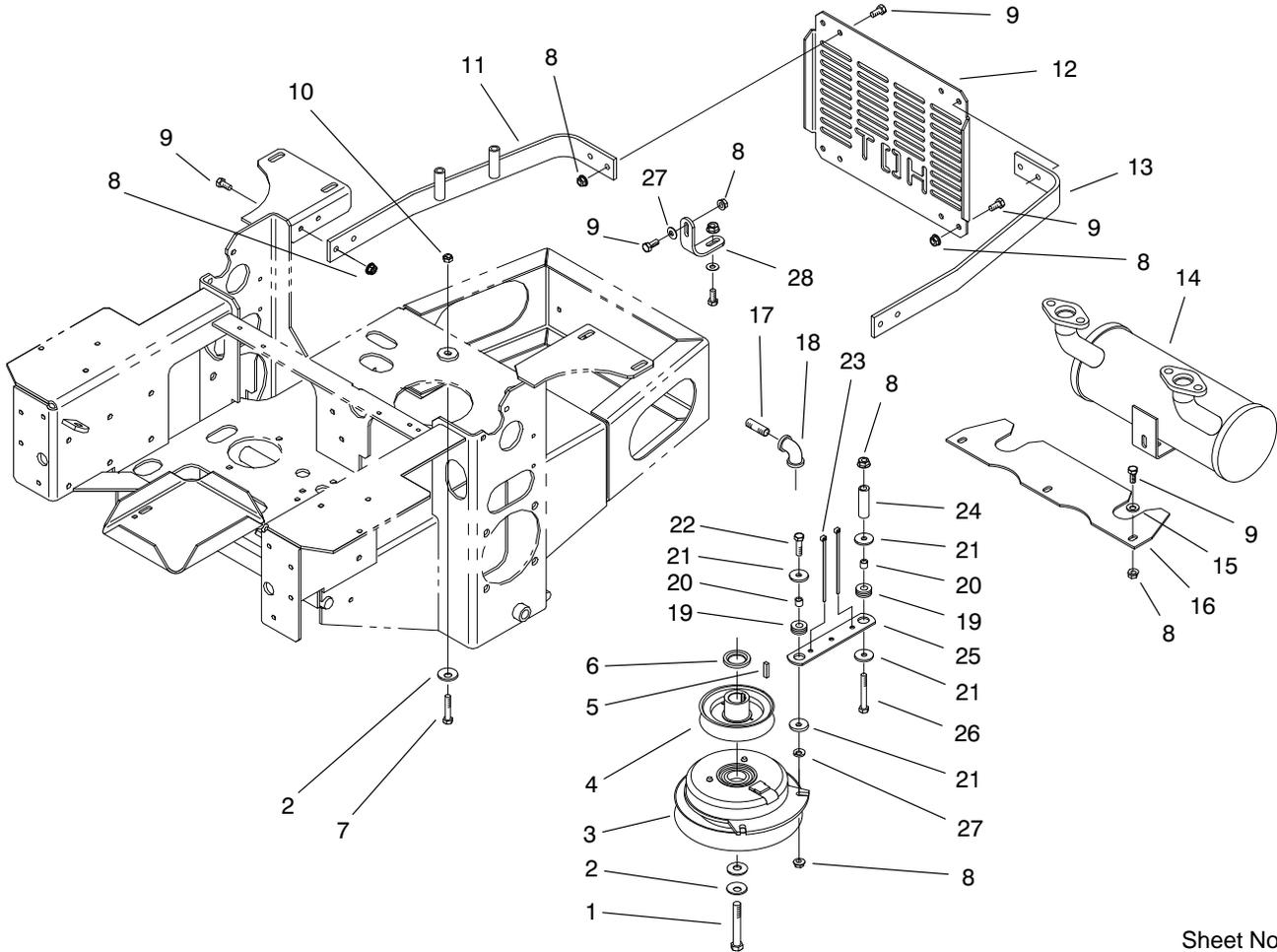
Sheet No.:8

## Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description
1	E603841	2	Pump-Hydro, RH
2	E632285	1	Hose-Low Pressure
3	E513840	2	Elbow-90
4	E603721	1	Fitting
5	E603827	5	Clamp-Hose
6	E413273	2	Hose-Low Pressure
7	E653156	2	Sheave w/Hub
8	3242-4	4	Screw-Square Head
9	E807272	2	Key
10	323-7	4	Screw-HH
11	3290-357	4	Nut-Lock
12	E613073	2	Grip
13	3296-42	2	Nut-Lock Ni
14	E801063	4	Screw-PPH
15	E632286	1	Hose-Low Pressure
16	E603989	2	Elbow
17	E603990	4	Adapter
18	E633605	4	Elbow 90°
19	E653186	2	Hose
20	E653187	1	Hose
21	E654144	1	Hose
22	E603987	1	Elbow
23	E603988	1	Elbow
24	99-4625	1	Hydraulic Tank ASM
24:2	65-2690	1	Decal-Hot Surface
24:3	E513890	1	Decal-Hydraulic Tank

Ref. No.	Part No.	Qty.	Description
25	E523103	1	Gasket-Tank/Cap
26	E513167	1	Cap-Hydraulic Reservoir
27	321-15	2	Screw-HH
28	32128-33	2	Nut-Hex Flange
29	E654145	1	Hose
30	E654197	1	Hose
31	E513510	1	Connector-Male
32	E603720	1	Head-Filter
33	32128-20	2	Nut-Hex Flange
34	E633750	1	Filter-Hydro
34	E633752	1	Filter-Winter Hydro
35	322-5	2	Screw-HH
36	E603722	1	Fitting
37	E603826	3	Clamp-Hose
38	E653188	1	Hose
39	65-2690	1	Decal-Hot Surface
40	E513890	1	Decal-Hydraulic Tank



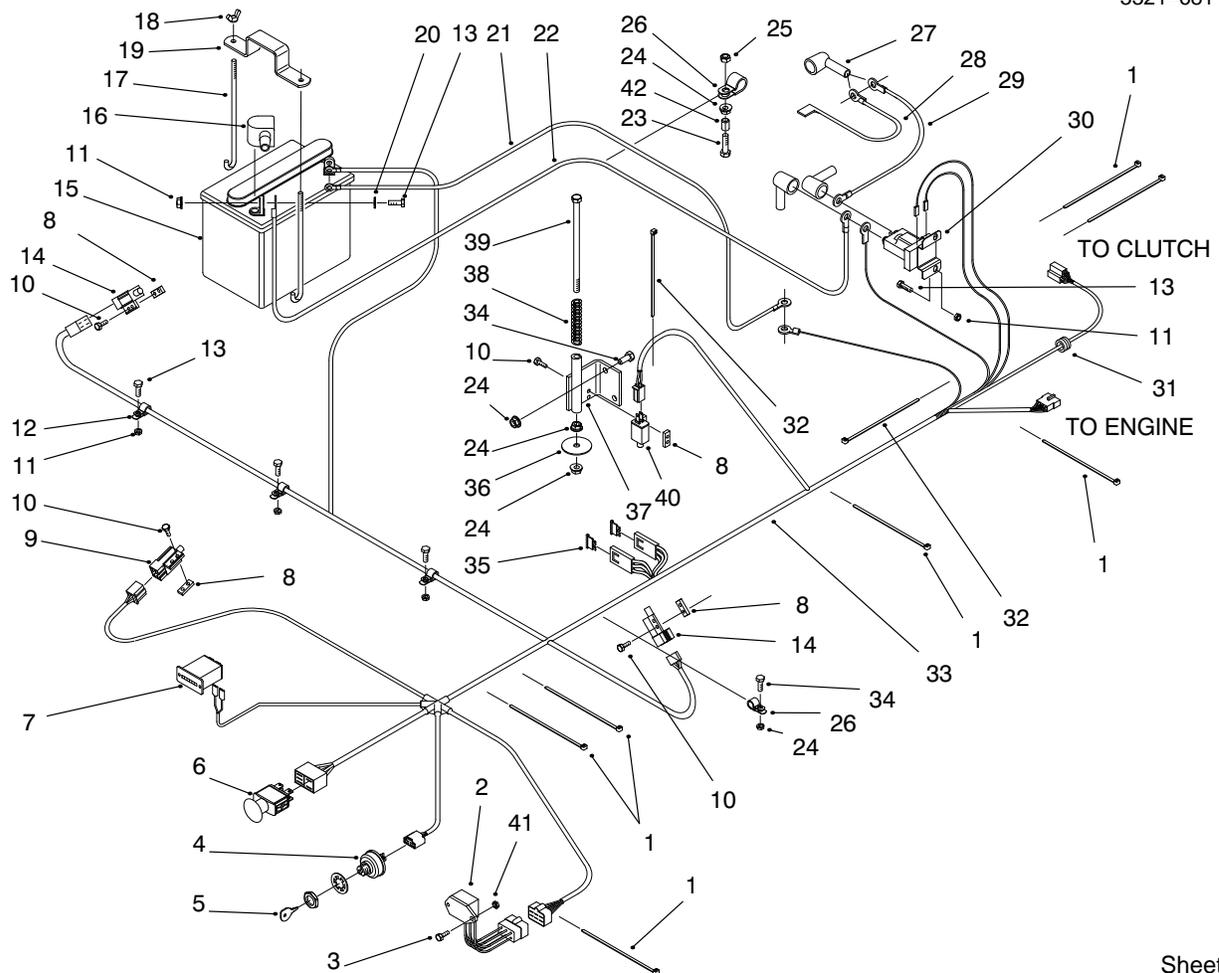


Sheet No.:10

## Engine And Clutch Assembly

Ref. No.	Part No.	Qty.	Description
1	3212-10	1	Screw-HH
2	E603610	2	Spring-Disc
3	E653048	1	Clutch
4	E653035	1	Sheave-Pump Drive
5	E807259	1	Key
6	E543214	1	Spacer-Crankshaft
7	322-9	4	Screw-HH
8	32128-20	19	Nut-Hex Flange
9	322-3	17	Screw-HH
10	32128-20	4	Nut-Hex Flange
11	E652146	1	Strap-Guard, Engine
12	E653095	1	Shield-Guard, Engine
13	E653093	1	Strap-Guard, Engine
14	E653195	1	Muffler
15	3256-23	3	Washer-Flat
16	E653286	1	Shield-Heat
17	E543064	1	Pipe Nipple
18	E303428	1	Elbow, 90°.
19	E633630	2	Grommet
20	E633545	2	Spacer-Grommet
21	E613235	4	Washer
22	322-6	1	Screw-HH
23	E303335	2	Tie-Plastic
24	E523406	1	Bushing-Mount, Seat
25	E633543	1	Strap-Clutch/Brake
26	322-22	1	Screw-HH

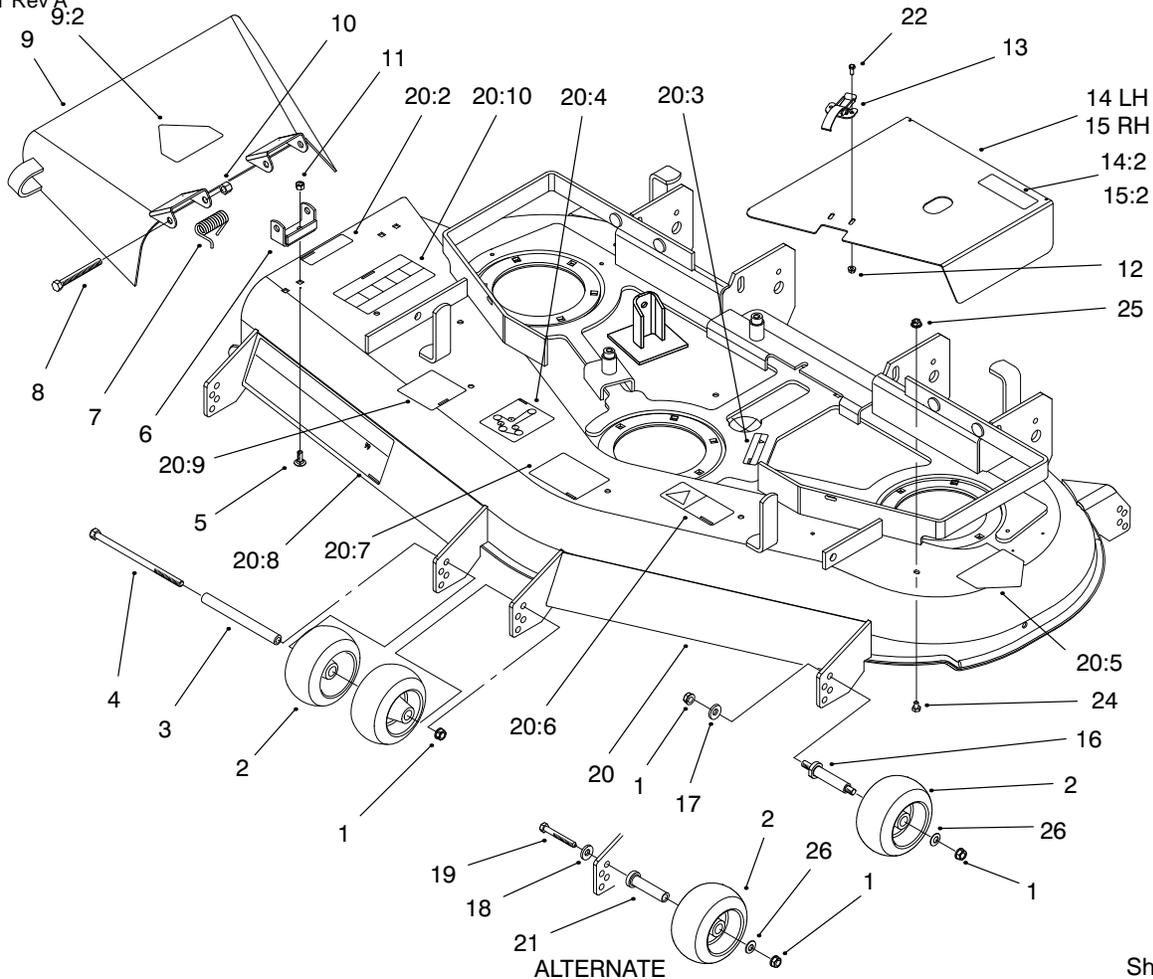
Ref. No.	Part No.	Qty.	Description
27	3256-3	3	Washer-Flat
28	E653196	1	Bracket-Muffler Support
29	E653251	1	Engine-20hp Kohler



Sheet No.:11

## Electrical System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	E303335	7	Tie-Plastic	25	E804256	1	Nut-Lock Ni
2	E543316	1	Module-Safety Intrlk	26	E633396	2	Clip-Loom
3	E807533	2	Bolt-CARR	27	E543393	3	Insulator-Solenoid
4	E543070	1	Switch-Ignition	28	E543084	1	Wire-Starter Solonoi
5	63-8360	2	Key-Ignition w/Shield	29	E633306	1	Wire-Starter
6	E633673	1	Switch-PTO	30	E513075	1	Switch-12v Solenoid
7	E513374	1	Meter-Engine Hours	31	E543286	1	Grommet
8	E633181	4	Plate-Tapped	32	E303287	2	Tie-Plastic
9	E633110	1	Switch-Brake	33	E653154	1	Harness-Wiring
10	E803028	8	Screw	34	322-3	3	Screw-HH
11	32128-33	7	Nut-Hex Flange	35	E816001	2	Fuse-Blade Type 20 Amp
12	E323229	3	Clip-Loom	36	E653036	1	Wahser
13	321-4	7	Screw-HH	37	E652072	1	Bracket-Switch, Seat
14	E633111	2	Switch-Drive Lever	38	E523415	1	Spring-Switch, Seat
15	E603479	1	Battery-12v	39	E800282	1	Screw-HH
16	E543391	1	Insulator-Battery	40	E513152	1	Switch-Seat
17	E633651	2	Bolt-Battery Hold Down	41	3296-2	2	Nut-Lock Ni
18	E543792	2	Wingnut-Nyloc	42	E633082	1	Bushing-Lift Lever
19	E633652	1	Strap-Battery Hold Down				
20	3256-2	2	Washer-Flat				
21	E523282	1	Cable-Ground				
22	E523281	1	Cable-Battery				
23	E800279	1	Bolt-TAP				
24	32128-20	6	Nut-Hex Flange				

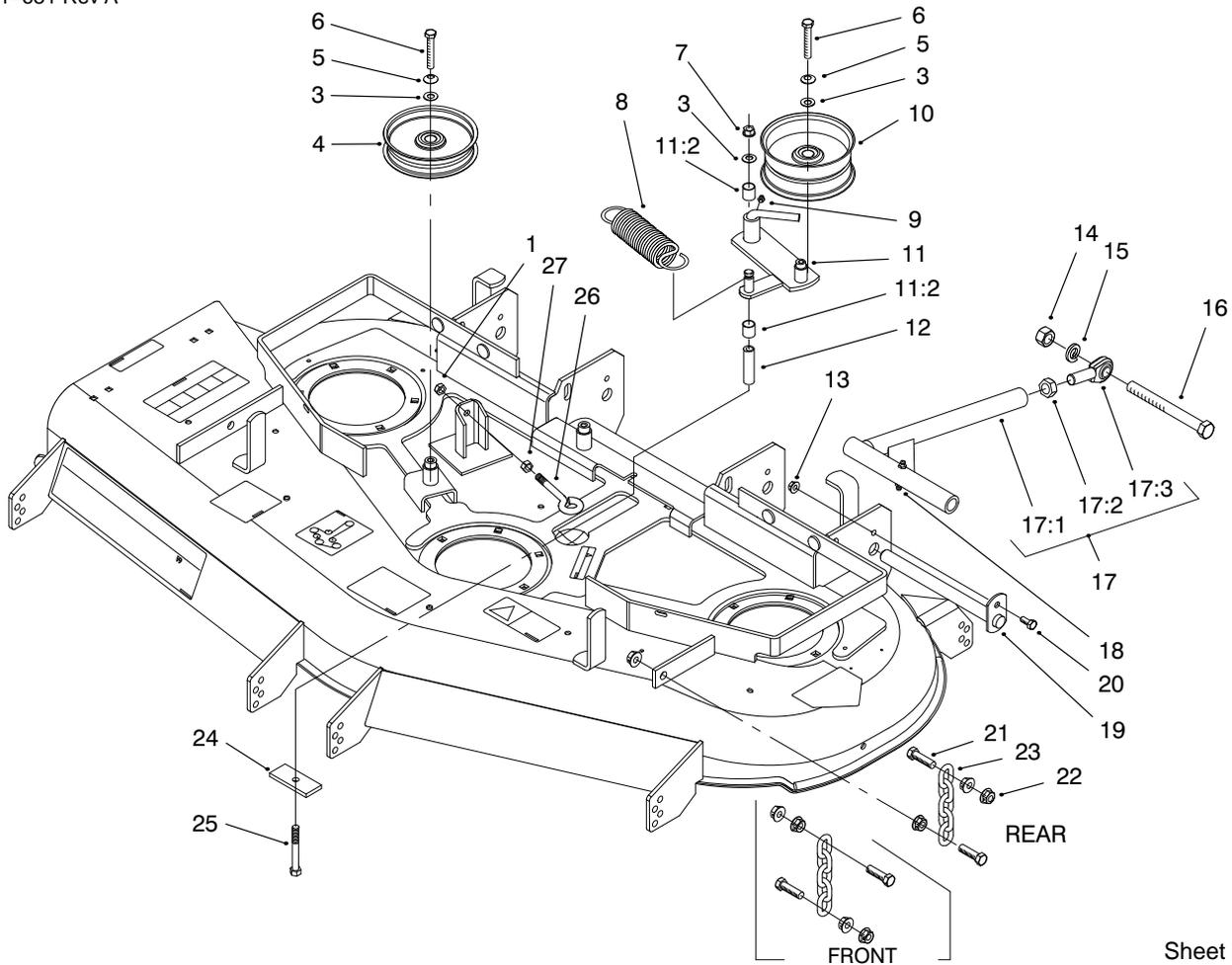


## Decals, Deflector, Cover And Rollers Assembly

Ref. No.	Part No.	Qty.	Description
1	3290-357	9	Nut-Lock Ni
2	68-2730	6	Gage Wheel
3	98-5967	1	Spacer-Wheel
4	323-28	1	Screw-HH
5	3230-18	4	Screw-CARR
6	29-5590-01	2	Bracket-Pivot
7	40-6230	2	Spring
8	3211-15	2	Screw-HH
9	98-5984	1	Deflector ASM
9:2	54-9220	1	Decal-Danger
10	3296-5	2	Nut-Lock Ni
11	32152-1	4	Nut-Lock
12	32128-17	4	Nut-Flange Lock
13	249-21	2	Clamp-Slotted
14	99-3896	1	LH Cover ASM
14:2	67-5360	1	Decal-Danger
15	99-3895	1	RH Cover ASM
15:2	67-5360	1	Decal-Danger
16	99-2842	4	Spacer-Wheel
17	E303327	4	Washer-Flat
18	98-5975	4	Washer
19	98-5961	4	Screw-Hex Head
20	99-3875	1	52" Deck ASM
20:2	66-6380	1	Decal-Danger
20:3	98-5954	3	Decal-Cover Missing
20:4	99-3943	1	Decal-Belt Routing

Ref. No.	Part No.	Qty.	Description
20:5	43-8480	1	Decal-Danger
20:6	93-7818	1	Decal-Blade Bolt Torque
20:7	98-3798	1	Decal-Gage Wheel
20:8	98-5953	1	Decal-Sfs
20:9	98-3269	1	Decal-Made In USA
20:10	66-1340	1	Decal-Danger
21	98-3777	4	Spacer-Wheel
22	3290-321	4	Screw-HWH
24	321-1	6	Screw-HH
25	32128-33	6	Nut-Hex Flange
26	E373034	4	Washer



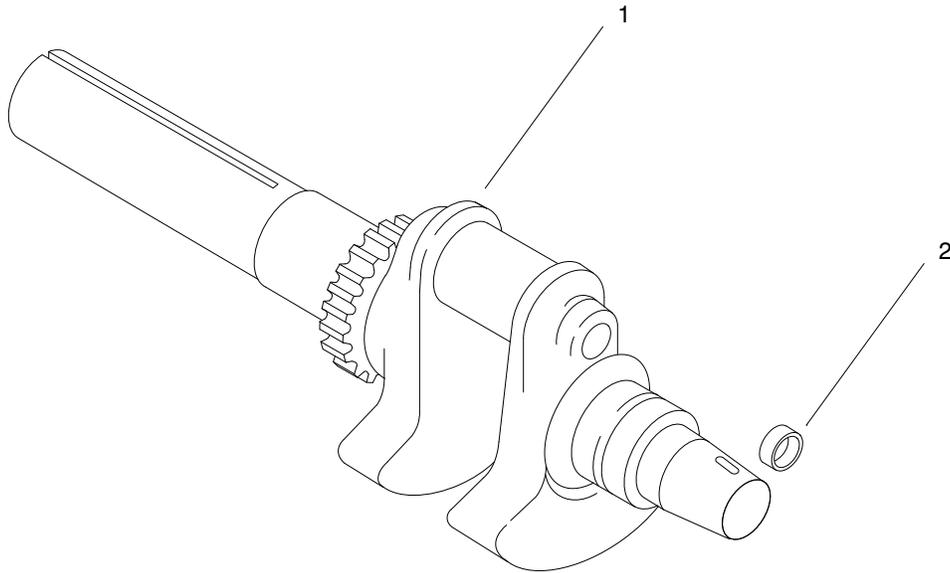


## Chains, Pulleys, Lift Struts And Idler Assembly

Ref. No.	Part No.	Qty.	Description
1	3217-7	1	Nut-Hex
3	3256-24	4	Washer-Flat
4	E613098	2	Pulley-Idler
5	E303327	3	Washer-Disc Spring
6	323-6	3	Screw-HH
7	3290-357	1	Nut-Lock
8	E633151	1	Spring-Extension
9	E811008	1	Zerk-Grease
10	E413099	1	Pulley-Idler
11	99-3879	1	Idler Arm ASM w/Bushings
11:2	E513034	2	Bearing-Pivot
12	E603384	1	Bushing-Idler Pivot
13	32128-20	2	Nut-Hex Flange
14	3217-11	2	Nut-Hex
15	3253-8	2	Washer-Lock/Sp
16	E800344	2	Screw-HH
17	E634726	2	Strut ASM
17:1	E632690	1	Strut
17:2	E804510	1	Nut
17:3	E633029	1	End-Rod, Spherical
18	302-58	4	Zerk
19	E632199	2	Pin-Deck Strut
20	322-3	2	Screw-HH
21	324-6	8	Screw-HH
22	32128-37	16	Nut-Whizlock

Ref. No.	Part No.	Qty.	Description
23	E633447	4	Chain - Deck Lift
24	99-3946-01	1	Plate-Bolt Retainer
25	E800805	1	Screw-HH
26	94-2547	1	Eyebolt
27	3296-39	1	Nut-lock Ni

Sheet No.:16

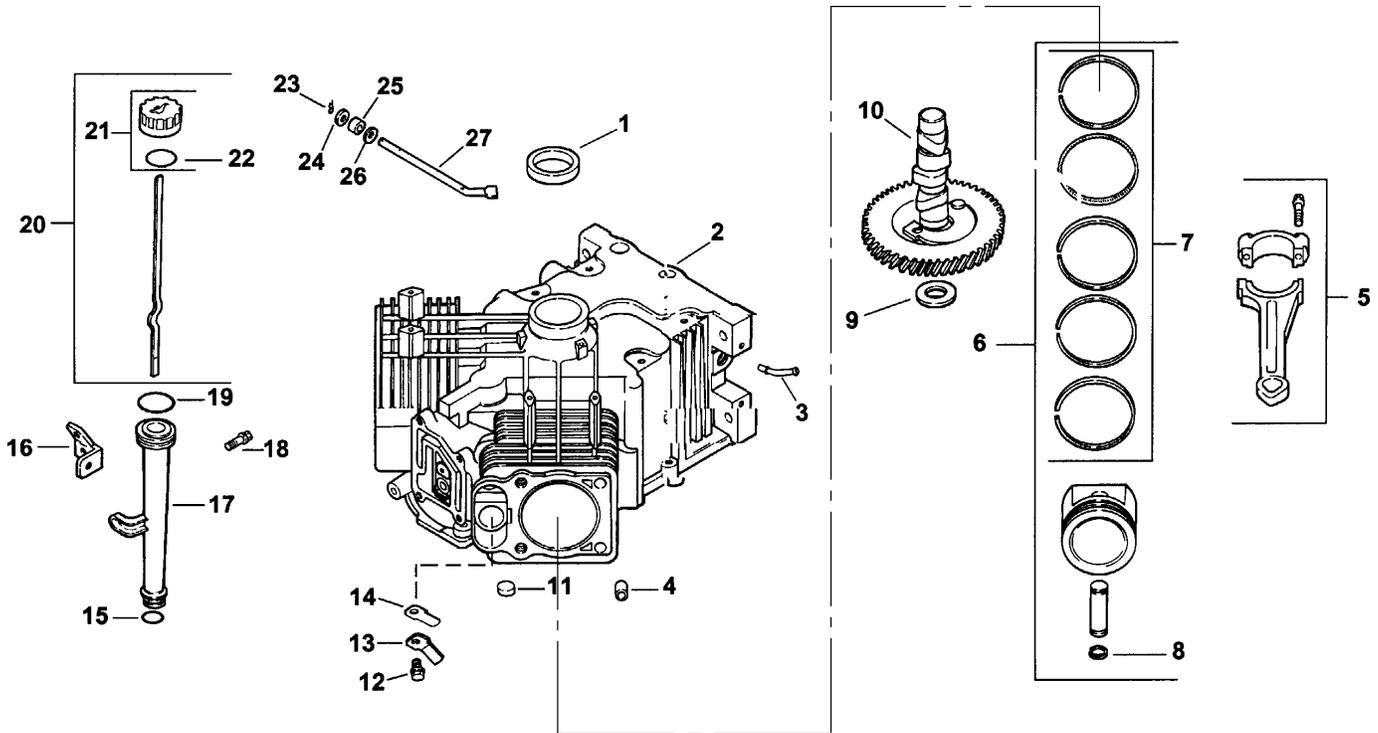


### Group 1 Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	24 014 32	2	Crankshaft
2	52 139 09	1	Plug, cap

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kohler

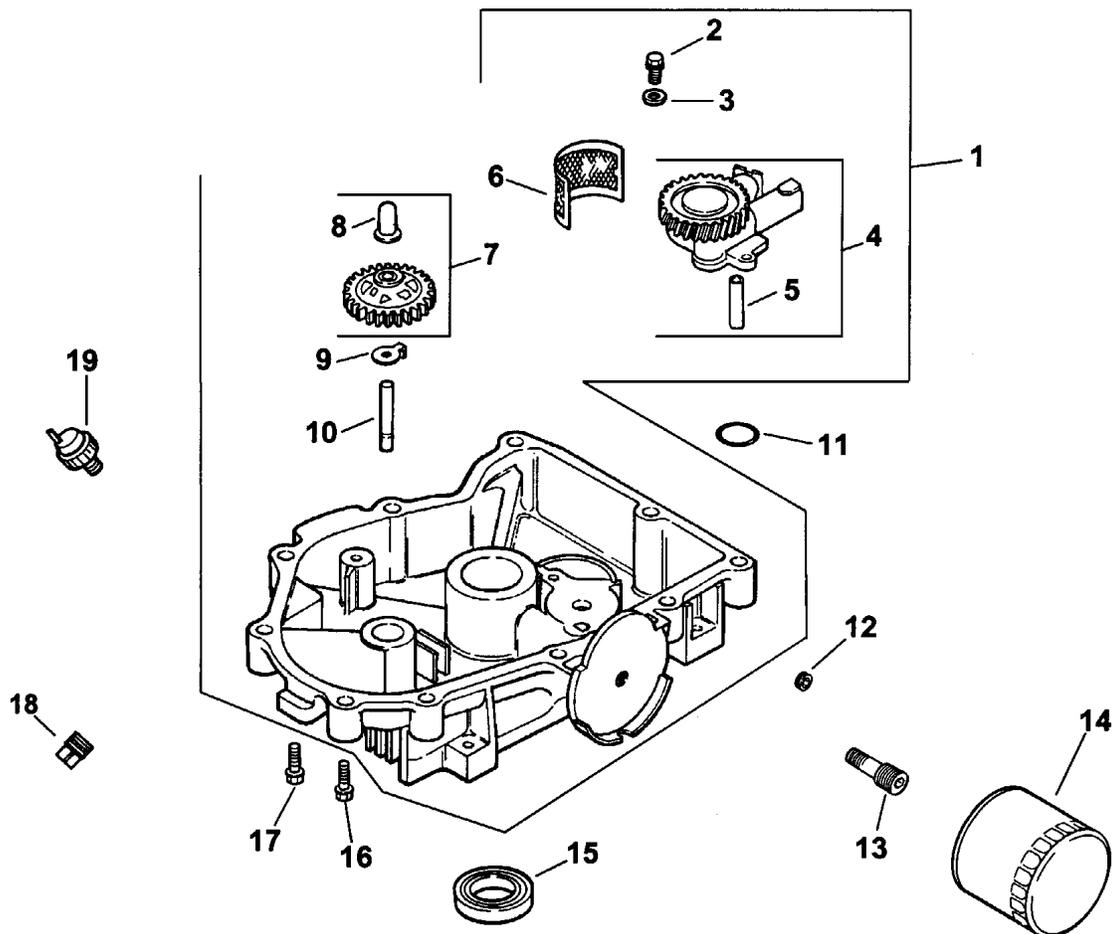


## Group 2 Crankcase Assembly

Ref. No.	Part No.	Qty.	Description
1	24 032 01	1	Seal, oil front
2	24 782 05	1	Cylinder Block
3	24 294 13	1	Fitting
4	12 380 17	6	Pin, dowel locating
5	24 067 13	2	Connecting Rod (Std.)
	24 067 14	2	Connecting Rod (.25)
6	24 874 01	2	Piston w/Ring Set Std. (Includes 7-8)
	24 874 02	2	Piston w/Ring Set (.25)
	24 874 03	2	Piston w/Ring Set (.50)
7	24 108 01	2	Ring Set (Std.)
	24 108 02	2	Ring Set (.25)
	24 108 03	2	Ring Set (.50)
8	24 018 01	4	Retainer, piston pin
9	12 422 09	A/R	Shim, camshaft red
	12 422 13	A/R	Shim, camshaft black
	12 422 07	A/R	Shim, camshaft white
	12 422 08	A/R	Shim, camshaft blue
	12 422 10	A/R	Shim, camshaft yellow
	12 422 11	A/R	Shim, camshaft green
	12 422 12	A/R	Shim, camshaft gray
10	24 012 10	1	Camshaft
11	52 139 09	1	Plug, cup
12	M-0545010	2	Screw, hex. flange
13	24 018 04	2	Retainer, reed
14	24 402 05	2	Reed, breather

Ref. No.	Part No.	Qty.	Description
15	12 153 01	1	O-Ring, lower oil fill
16	24 126 19	1	Bracket, oil fill tube
17	12 123 04	1	Tube, oil fill
18	M-0545016	1	Screw, hex. flange
19	12 153 02	1	O-Ring, upper oil fill
20	24 038 04	1	Dipstick assembly (Includes 21,22)
21	25 755 13	1	Kit, oil fill cap (Includes 22)
22	12 153 03	1	O-Ring, dipstick
23	12 380 04	1	Pin, hitch
24	M-0631005	1	Washer, plain 6 mm
25	12 032 01	1	Seal, gvrn. cross shaft
26	X-25-102	1	Washer, plain 1/4"
27	24 144 01	1	Shaft, governor cross

Obtain Parts From Kohler

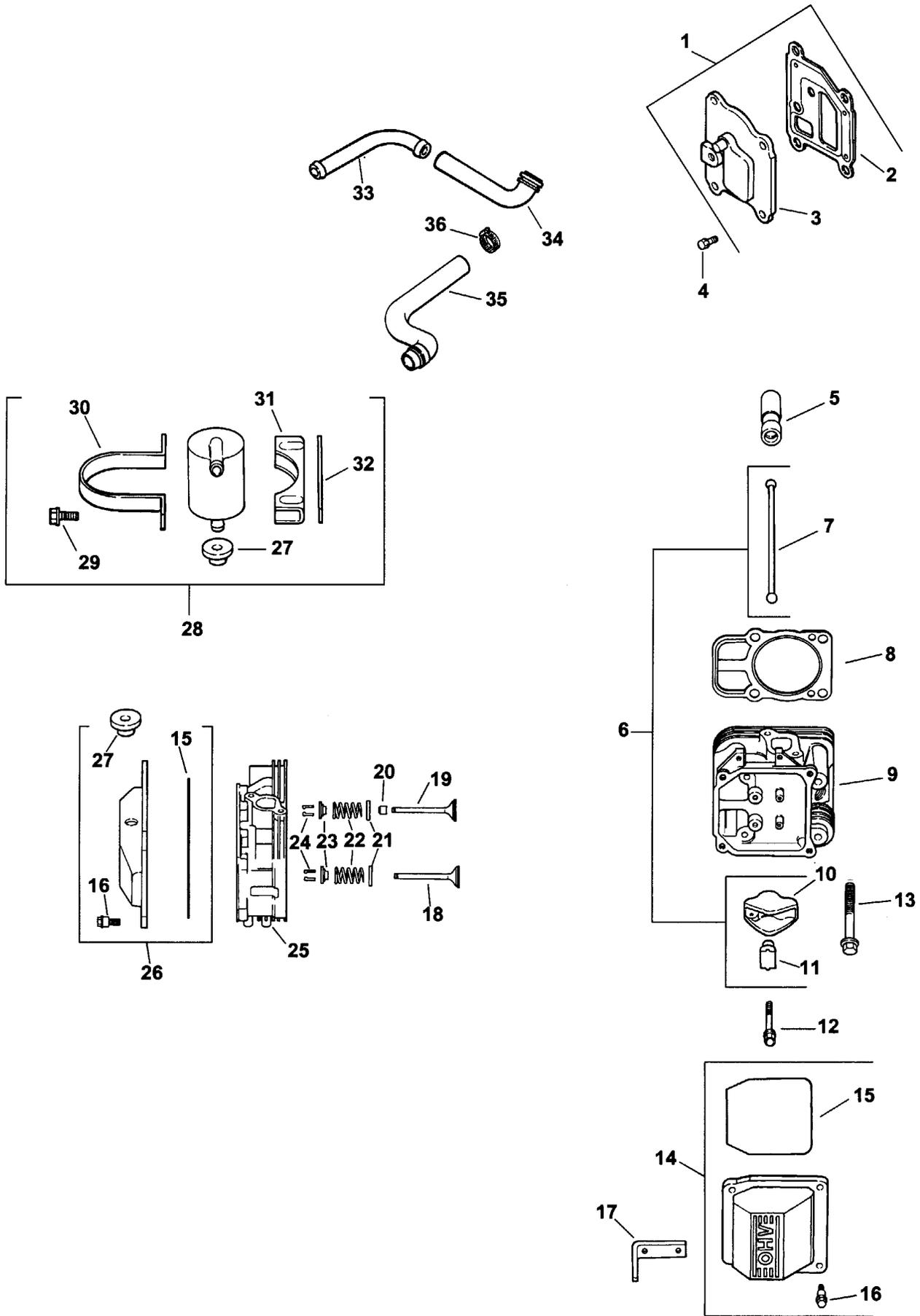


## Group 3 Oil Pan/Lubrication Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	24 199 07	1	Pan, oil assembly (Includes 2-10)				
2	M-0645025	2	Screw, hex. flange				
3	M-0631005	2	Washer, plain 6 mm				
4	24 393 08	1	Oil pump assembly (Includes 5)				
5	24 123 05	1	Tube, oil pickup				
6	24 162 26	1	Screen, oil				
7	24 043 12	1	Kit, governor gear w/pin (Includes 8)				
8	12 380 01	1	Pin, gvrn. regulating				
9	52 448 02	1	Tab, locking				
10	12 144 02	1	Shaft, governor gear				
11	24 153 08	1	O-Ring				
12	X-75-32	1	Plug, hex. ctsk. 3/8"				
13	24 136 01	1	Nipple, oil filter				
14	52 050 02	1	Filter, oil				
15	52 032 08	1	Seal, oil (PTO end)				
16	24 086 17	1	Screw, hex. flange				
17	24 086 16	9	Screw, hex. flange				
18	X-75-10	1	Plug, hex. head 3/8"				
19	24 099 03	1	Switch, oil pressure				

Obtain Parts From Kohler

# Group 4 Head/Valve/Breather Assembly

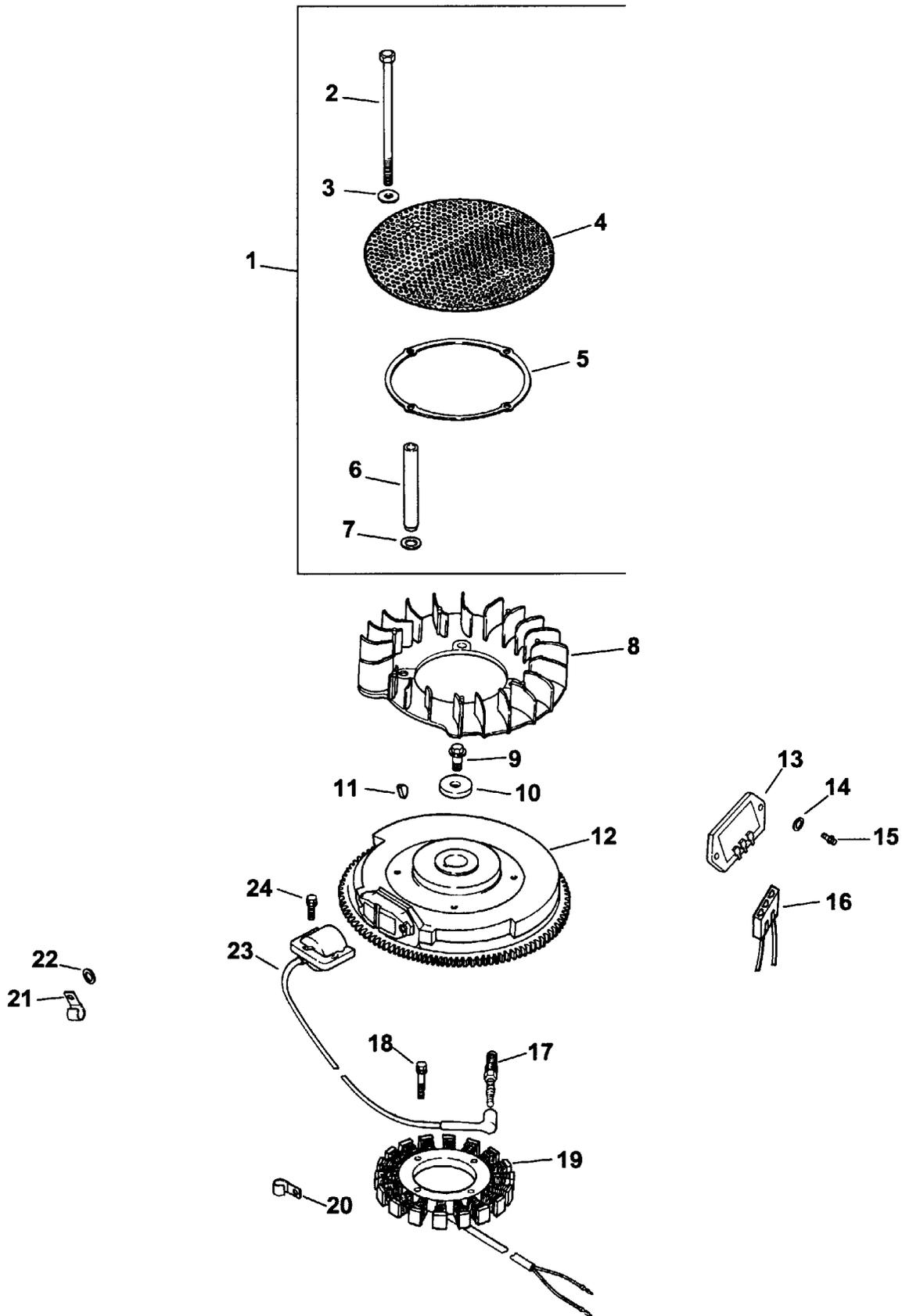


## Group 4 Head/Valve/Breather Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	24 033 03	1	Kit, breather cover w/gasket (Incl. 2,3)				
2	24 041 23	1	Gasket, breather				
3	24 096 59	1	Cover, breather				
4	M-0645020	4	Screw, hex. flange				
5	25 351 01	4	Lifter, valve				
6	24 755 66	1	Kit, valve train (Includes 7,10,11)				
7	24 411 05	4	Rod, push				
8	24 041 08	2	Gasket, cylinder head				
9	24 318 12	1	Head assembly, #2 cylinder				
10	25 186 01	4	Arm, rocker				
11	24 599 01	4	Pivot, rocker arm				
12	M-0640034	4	Screw, hex. flange				
13	12 086 16	8	Screw, hex. flange				
14	24 755 74	1	Kit, valve cover – plain (Includes 15,16)				
15	24 153 16	1	O-Ring				
16	24 086 32	4	Screw, shoulder				
17	24 445 01	1	Strap, lifting				
18	24 016 01	2	Valve, exhaust (Std.)				
	24 016 02	2	Valve, exhaust (.25)				
19	24 017 01	2	Valve, intake (Std.)				
	24 017 02	2	Valve, intake (.25)				
20	24 032 05	2	Seal, valve stem				
21	235011	4	Retainer, spring				
22	24 089 02	4	Spring, valve				
23	12 173 01	4	Cap, valve spring				
24	12 755 03	4	Kit, retainer				
25	24 318 11	1	Head assembly, #1 cylinder				
26	24 755 76	1	Kit, valve cover breather(Incl. 15,16,27)				
27	25 313 02	1	Grommet, rubber				
28	24 755 57	1	Kit, breather separator (Includes 27,29-32)				
29	M-0545016	2	Screw, hex. flange				
30	24 445 02	1	Strap, breather				
31	24 126 44	1	Bracket, breather separator				
32	24 112 12	1	Spacer				
33	24 294 06	1	Fitting				
34	24 326 13	1	Hose, breather				
35	24 326 14	1	Hose, breather				
36	X-426-9	2	Clamp, hose 1/2"				

Obtain Parts From Kohler

# Group 5 Ignition/Electrical Assembly



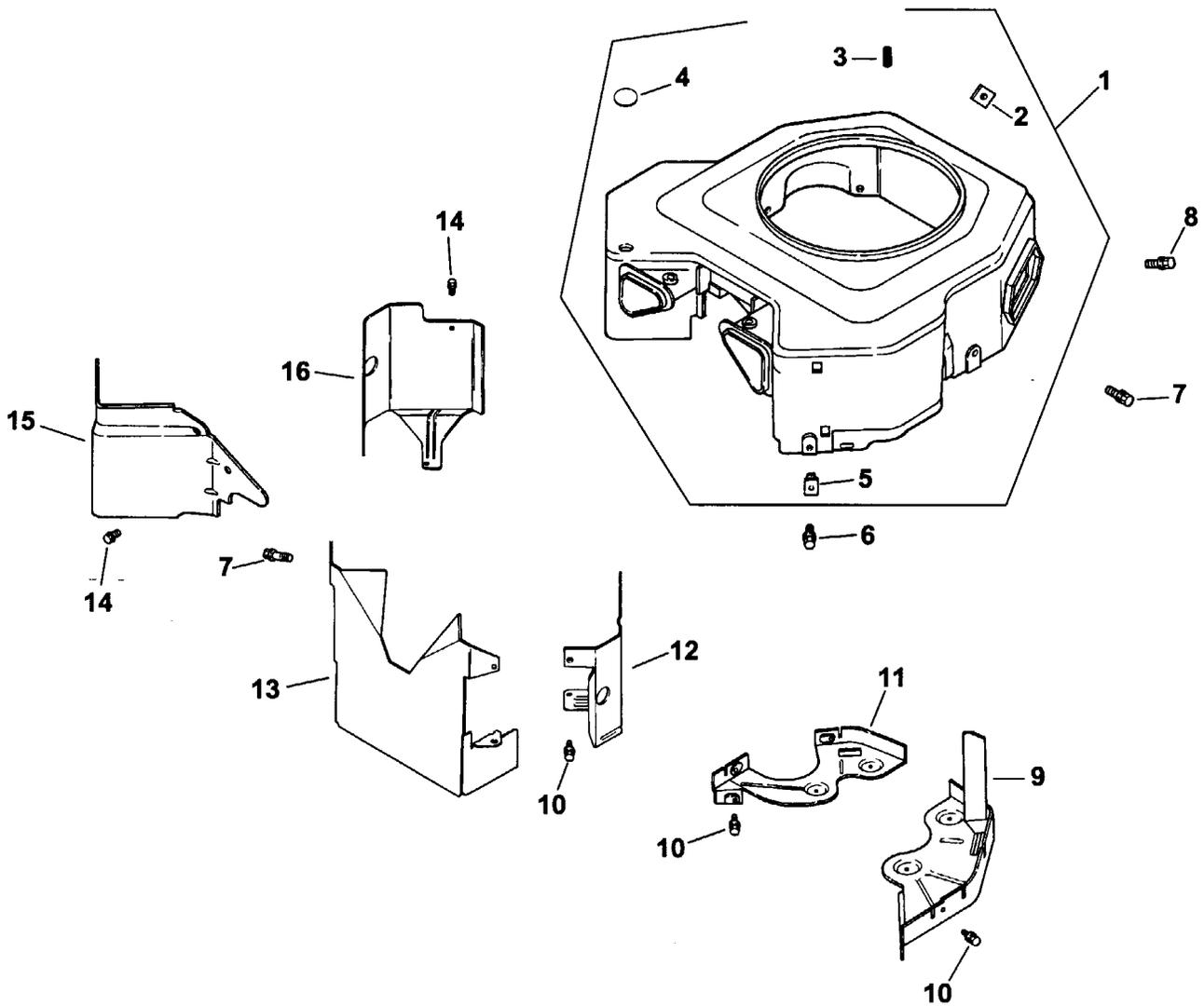
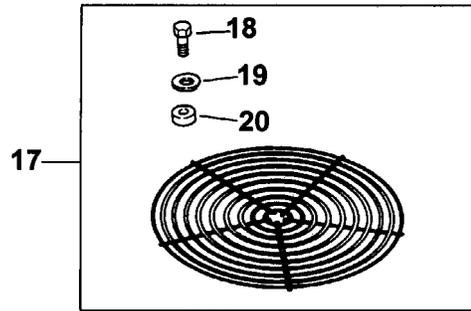
## Group 5 Ignition/Electrical Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	24 755 79	1	Kit, chopper screen (Includes 2-7)				
2	M-0603100	4	Screw, hex. cap				
3	X-25-53	4	Washer, plain 1/4"				
4	24 162 25	1	Screen, grass				
5	24 141 06	1	Ring, support				
6	24 112 14	4	Spacer, grass screen				
7	24 468 11	4	Washer, spring 10 mm				
8	24 157 03	1	Fan				
9	12 086 14	1	Screw, hex. flange				
10	12 468 03	1	Washer, plain 3/8"				
11	X-42-15	1	Key				
12	24 025 04	1	Flywheel				
13	25 403 03	1	Rectifier-regulator				
14	X-25-92	2	Washer, plain 3/16"				
15	24 086 18	2	Screw, phillips hd.				
16	236602	1	Connector (3 contact)				
17	12 132 06	2	Spark Plug				
18	M-0548025	2	Screw, hex. cap				
19	54 755 09	1	Kit, 15 amp stator (Includes Bracket, stator wire 24 126 71)				
20	235173	1	Clip, cable				
21	48 154 02	1	Clip, cable				
22	X-25-63	1	Washer, plain 1/4"				
23	24 584 01	2	Module, ignition				
24	M-0545020	4	Screw, hex. flange				
*	24 126 71	1	Bracket, stator wire				
*	X-22-11	1	Washer, plain 1/4" (to ground rectifier-regulator)				
*	25 086 43	1	Screw, set				
*	24 176 07	1	Harness, wiring				
*	25 518 28	1	Lead, black (rectifier-regulator 4" 18 gauge - insulated grip barrel eyelets)				

**Obtain Parts From Kohler**

\* Not Illustrated

# Group 6 Blower Housing & Baffles Assembly



## Group 6 Blower Housing & Baffles Assembly

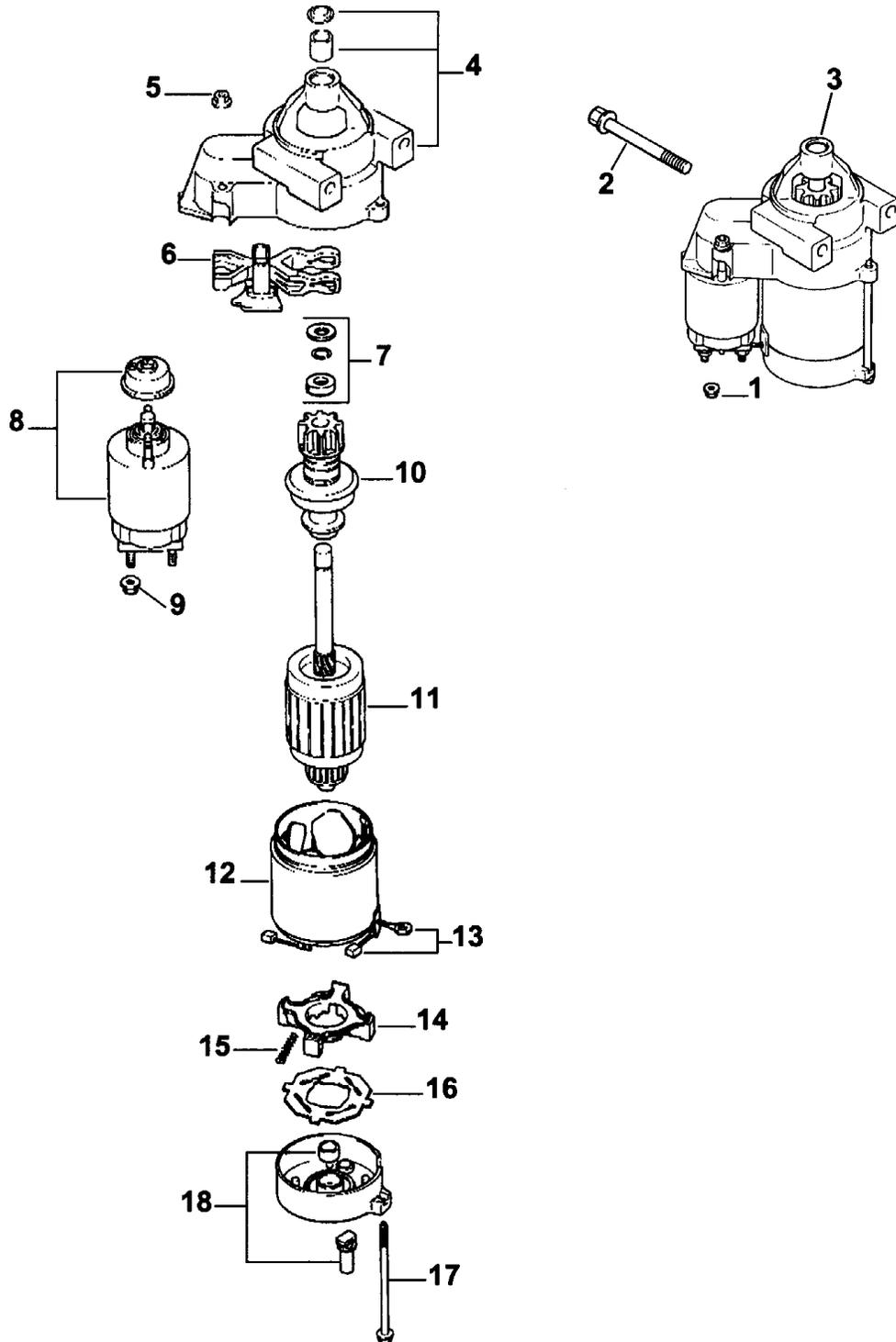
Ref. No.	Part No.	Qty.	Description
1	24 027 28	1	Housing, blower (Includes 2-5)
2	24 100 01	3	Nut, plastic
3	25 086 43	1	Screw, set
4	25 139 16	1	Plug, button 9/16"
5	24 100 02	2	Nut, plastic
6	M-0567020	4	Screw, hex. flange
7	M-0545016	3	Screw, hex. flange
8	M-0551016	1	Screw, hex. flange
9	24 146 02	1	Plate, backing # 2 side
10	M-0645016	6	Screw, hex. flange
11	24 146 08	1	Baffle, valley - #1 side
12	24 063 20	1	Baffle, cylinder barrel # 2 side
13	24 063 23	1	Baffle, valley - #1 side
14	M-0545010	2	Screw, hex. flange
15	24 063 14	1	Baffle, valley - #2 side
16	24 063 30	1	Baffle, cylinder barrel # 1 side
17	24 755 94	3	Kit, guard (Includes 18-20, Threaded insert [Qty. 3] 24 332 01)
18	24 086 39	3	Screw, pan hd.
19	24 468 10	3	Washer, flat 1/4"
20	24 112 09	3	Spacer
*	24 332 01	4	Insert, threaded
*	24 113 67	1	Decal, 20 HP

Ref. No.	Part No.	Qty.	Description

**Obtain Parts From Kohler**

\* Not Illustrated

# Group 7 Starting System Assembly

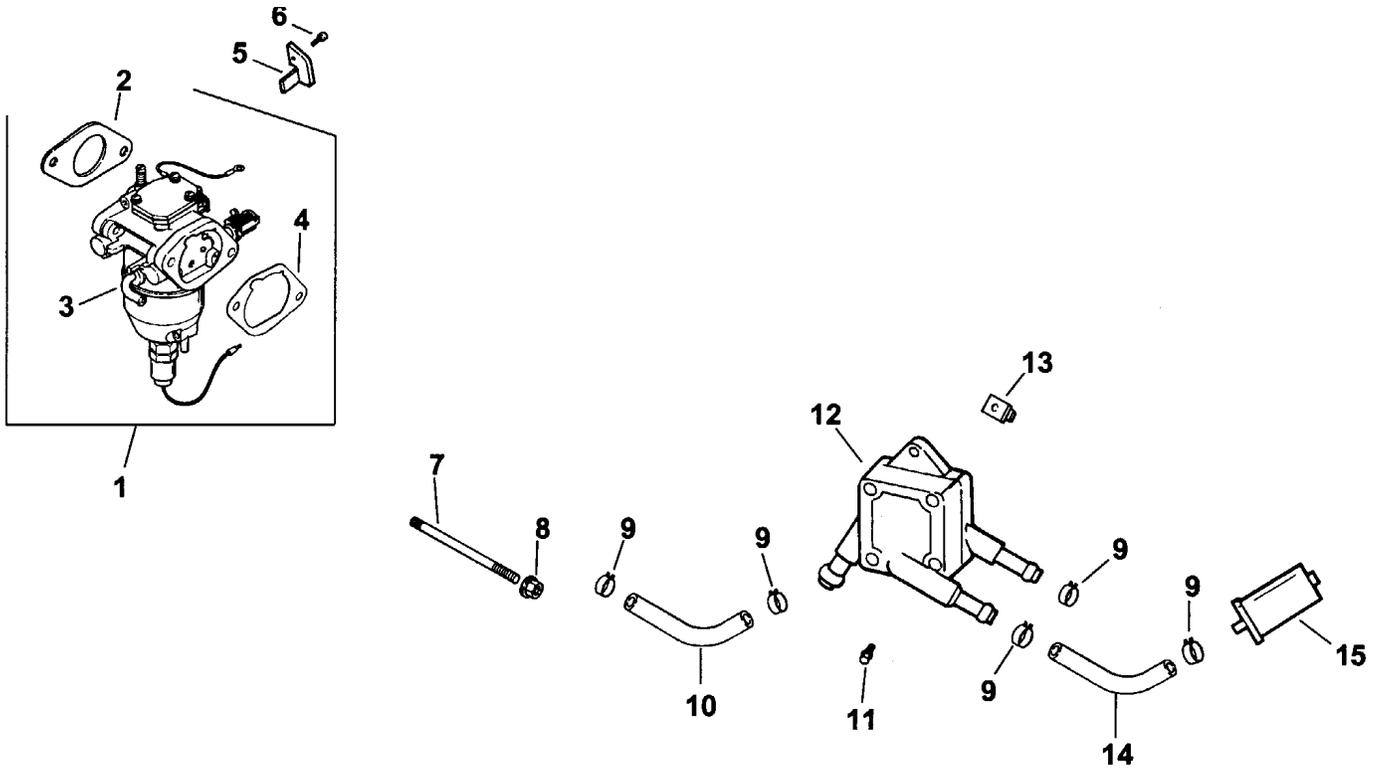


# Group7 Starting System Assembly

Ref. No.	Part No.	Qty.	Description
1	M-0841080	1	Nut, hex. flange
2	M-0839080	2	Screw, hex. flange
3	12 098 03	1	Starter, solenoid shift (Includes 4-18)
4	12 081 02	1	Drive, end cap
5	52 100 10	2	Nut, starter
6	12 090 10	1	Lever, starter drive
7	24 755 84	1	Kit, starter repair
8	52 435 02	1	Solenoid
9	52 100 09	1	Nut, starter
10	12 239 01	1	Drive, pinion
11	12 170 03	1	Armature, starter
12	12 471 01	1	Frame
13	52 221 01	1	Kit, brush (Includes 15)
14	52 323 03	1	Holder, brush
15	52 089 09	4	Spring, brush
16	52 168 01	1	Insulator
17	52 211 05	2	Bolt, thru
18	12 301 01	1	Commutator, end cap

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kohler



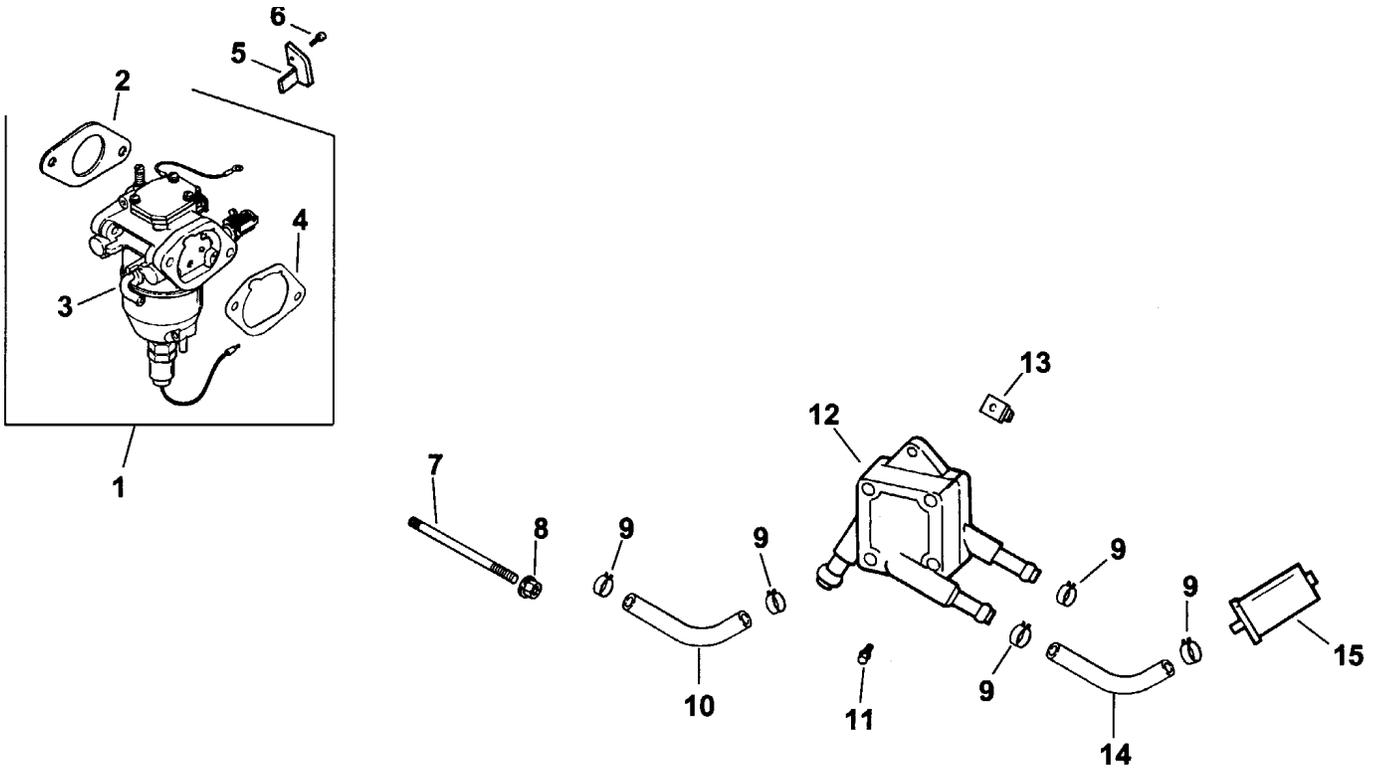
## Group 8 Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	24 853 25	1	Kit, carburetor with gaskets (Includes 2-4)
2	24 041 15	1	Gasket, carburetor
3	24 053 25	1	Carburetor assembly (For information only not available separately) (Includes 24 757 18, 24 757 19, 24 757 20, 24 757 22)
4	24 041 14	1	Gasket, air cleaner
5	24 126 53	1	Bracket, throttle stop
6	M-0259005	1	Screw, pan hd.
7	M-0629095	2	Stud
8	M-0641060	2	Nut, hex. flange
9	X-426-9	6	Clamp, hose
10	24 353 03	2	Line, fuel 10-1/2"
11	24 086 12	2	Screw, hex. cap.
12	24 393 04	1	Pump, fuel - pulse
13	24 100 01	2	Nut, plastic
14	25 353 10	1	Line, fuel 9"
15	24 050 02	1	Filter, fuel
*	24 757 18		Kit, overhaul w/gaskets (Includes air cleaner base gasket, carburetor gasket, throttle adjusting screw, gasket, idle

Ref. No.	Part No.	Qty.	Description
			adjusting screw, float, float pin, float valve, float chamber gasket, throttle adjusting screw spring, idle adjusting screw spring, passage cover gasket)
*	24 757 19		Kit, choke repair w/gaskets (Includes air cleaner base gasket, carburetor gasket, valve set screw, choke valve, choke shaft filter, choke arm return spring, choke lever ring, choke collar, choke shaft assembly, choke lever assembly)
*	24 757 20		Kit, gasket (Includes air cleaner base gasket, carburetor gasket, float chamber gasket, passage cover gasket)

Obtain Parts From Kohler

\* Not Illustrated



### Group 8 Fuel System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
*	24 757 22		Kit, solenoid replacement w/gaskets (Includes air cleaner base gasket, carburetor gasket, solenoid gasket, chamber screw gasket, solenoid holder, solenoid valve)

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kohler

\* Not Illustrated







# TORO PART NUMBER INDEX

3321-681 Rev A

Part No.	Pg. No.	Ref. No.	Qty.	Description	Part No.	Pg. No.	Ref. No.	Qty.	Description
2405002	5	17	1	Filter-Fuel	E603826	8	37	3	Clamp-Hose
E213069	9	8	1	Washer	E603827	8	5	5	Clamp-Hose
E303007	5	7	6	Clamp	E603841	8	1	2	Pump-Hydro, RH
E303105	7	38	2	Yoke-Adjustable	E603843	9	12	1	Pulley-Idler
E303287	11	32	2	Tie-Plastic	E603845	4	36	1	Decal-, Drive Wheel
E303327	1	24	12	Washer-Disc Spring	E603903	7	6	2	Spacer
E303327	6	16	1	Washer-Disc Spring	E603987	8	22	1	Elbow
E303327	7	26	4	Washer-Disc Spring	E603988	8	23	1	Elbow
E303327	9	9	1	Washer-Disc Spring	E603989	8	16	2	Elbow
E303327	14	5	3	Washer-Disc Spring	E603990	8	17	4	Adapter
E303327	12	17	4	Washer-Disc Spring	E613073	8	12	2	Grip
E303334	7	34	2	Washer-Disc Spring	E613098	14	4	2	Pulley-Idler
E303335	5	16	1	Tie-Plastic	E613235	10	21	4	Washer
E303335	10	23	2	Tie-Plastic	E632187	3	14	1	Frame-Seat
E303335	11	1	7	Tie-Plastic	E632191	7	15	1	Lever-LH
E303428	10	18	1	Elbow, 90 DEG.	E632193	7	28	1	Lever-RH
E323229	11	12	3	Clip-Loom	E632199	14	19	2	Pin-Deck Strut
E373034	12	26	4	Washer	E632285	8	2	1	Hose-Low Pressure
E413099	14	10	1	Pulley-Idler	E632286	8	15	1	Hose-Low Pressure
E413273	8	6	2	Hose-Low Pressure	E632511	1	3	2	Caster
E513011	3	29	8	Nut-Wheel	E632586	1	1	2	Caster Wheel ASM
E513034	9	15:2	2	Bearing-Pivot	E632690	14	17:1	1	Strut ASM
E513034	14	11:2	2	Bearing-Pivot	E633002	1	1:1:1	1	Tire
E513075	11	30	1	Switch-12v Solenoid	E633029	14	17:3	1	Spherical Rod End
E513152	11	40	1	Switch-Seat	E633068	2	20	2	Arm-Deck Lift
E513167	8	26	1	Cap-Hydraulic Reservoir	E633080	2	6	1	Bushing-Lift Lever
E513374	11	7	1	Meter-Engine Hours	E633082	2	11	1	Bushing-Lift Lever
E513435	13	2	3	Washer-Flat	E633082	11	42	1	Bushing-Lift Lever
E513510	8	31	1	Connector-Male	E633097	2	14	1	Pin-Hitch w/Lanyard
E513592	3	7	1	Knob-Ball, Red	E633102	6	21	4	Bearing-Side Flange
E513645	5	8	2	Bushing-Valve, Fuel	E633102	7	7	4	Bearing-Side Flange
E513658	3	1	2	Bumper-Catcher, Grass	E633110	11	9	1	Switch-Brake
E513747	3	13:3	1	Decal-Battery	E633111	11	14	2	Switch-Drive Lever
E513762	5	14	1	Clip	E633131	6	25	4	Yoke-Brake Linkage
E513840	8	3	2	Elbow-90	E633144	6	14	2	Pin-Trunion
E513890	8	24:3	1	Decal-Hydraulic Tank	E633151	14	8	1	Spring-Extension
E513890	8	40	1	Decal-Hydraulic Tank	E633152	7	18	2	Ball Joint-LH Thread
E523027	7	5	2	Damper-Control	E633177	7	25	2	Arm
E523103	8	25	1	Gasket-Tank/Cap	E633181	11	8	4	Plate-Tapped
E523157	6	3	2	Spacer-14 GA	E633257	7	29	2	Grip-Motion Control
E523281	11	22	1	Cable-Battery	E633268	6	18	1	Grip-Brake Lever
E523282	11	21	1	Cable-Ground	E633273	3	29	8	Wheel Bolt
E523328	6	29	2	Motor-Wheel	E633295	2	13	1	Grip-Lift Lever
E523406	10	24	1	Bushing-Mount, Seat	E633306	11	29	1	Wire-Starter
E523415	11	38	1	Spring-Switch, Seat	E633325	2	18	1	Spring-Compression
E523420	3	24	2	Bumper	E633346	3	2:3	1	Decal-Fuel Valve
E523428	3	18:6	1	Track-Locking, 4"	E633347	5	11	1	Valve-Fuel Line
E543017	7	12	2	Ball Joint	E633348	5	12	1	Fuel Line
E543064	10	17	1	Pipe Nipple	E633349	5	22	4	Spring-Fuel Tank
E543070	11	4	1	Switch-Ignition	E633354	3	13:2	2	Decal-Motion Control
E543084	11	28	1	Wire-Starter Solonoi	E633396	11	26	2	Clip-Loom
E543214	10	6	1	Spacer-Crankshaft	E633441	1	27	4	Swivel-Deck Mount
E543277	5	6	2	Elbow-Fuel Tank	E633447	14	23	4	Chain-Deck Lift
E543286	11	31	1	Grommet	E633454	6	10	2	Spring-Brake
E543296	5	9	2	Grommet-Fuel Line	E633477	6	30	2	Rod-Brake
E543316	11	2	1	Module-Safety Intrlk	E633508	1	6	6	Washer-Belleview
E543391	11	16	1	Insulator-Battery	E633543	10	25	1	Strap-Clutch/Brake
E543393	11	27	3	Insulator-Solenoid	E633545	10	20	2	Spacer-Grommet
E543401	3	18:5	4	Spacer-Track	E633548	6	34	2	Hub-Wheel
E543407	3	18:1	1	Cushion-Seat	E633548	6	34:1	1	Hub-Wheel
E543511	1	4	2	Seal-Grease	E633553	1	11:2	1	Pad-Antiskid
E543513	1	8	2	Cap-Grease	E633553	1	13:4	1	Pad-Antiskid
E543526	5	10	2	Fuel Line	E633579	1	1:5	1	Spacer-Front Caster
E543792	11	18	2	Wingnut-Nyloc	E633580	1	1:3	2	Seal-Bearing
E603044	9	3	1	Bushing	E633581	1	1:2	2	Spacer-Bearing
E603336	3	3	1	Control-Choke, Push-Pull	E633582	1	1:1	1	Wheel & Tire ASM
E603384	14	12	1	Bushing-Idler Pivot	E633583	1	1:1:2	1	Wheel
E603414	9	6	1	Spring-Extension	E633605	8	18	4	Elbow 90 DEG
E603479	11	15	1	Battery-12v	E633630	10	19	2	Grommet
E603496	9	13	1	Bushing-Idler	E633651	11	17	2	Bolt-Battery Hold Down
E603610	10	2	2	Spring-Disc	E633652	11	19	1	Strap-Battery Hold Down
E603720	8	32	1	Head-Filter	E633673	11	6	1	Switch-PTO
E603721	8	4	1	Fitting	E633693	6	33	2	Brake Band
E603722	8	36	1	Fitting	E633696	3	11	1	Cable-Throttle
E603735	7	33	2	Bushing-Nylon Flanged	E633705	3	18	1	Seat ASM w/Armrest
E603737	7	31	2	Bolt-Neutral Return	E633709	3	18:2	1	Cushion-Backrest
E603807	7	32	2	Spring-Neutral Return	E633710	3	18:3	1	Armrest - RH

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Pg. No.	Ref. No.	Qty.	Description	Part No.	Pg. No.	Ref. No.	Qty.	Description
E633711	3	18:4	1	Armrest - LH	E807533	11	3	2	Bolt-CARR
E633737	1	11:3	1	Decal- Z-Master	E808280	7	39	2	Pin-Clevis
E633750	8	34	1	Filter-Hydro	E808283	6	6	2	Pin-Clevis
E633752	8	34	1	Filter-Winter Hydro	E808285	6	24	4	Pin-Clevis
E633818	1	20:2	1	Decal	E808512	7	4	2	E-Ring
E633859	3	18:7	1	Frame-Seat	E808514	6	4	3	Ring-Retaining
E633926	6	34:2	4	Stud-Wheel	E809036	6	29:1	1	Nut-Castle
E634927	6	34	2	Hub And Drum ASM	E809057	7	1	2	Bolt-Shoulder
E634726	14	17	2	Strut ASM	E811007	6	9	2	Fitting-Grease
E652023	2	12	1	Lever-Lift	E811008	9	4	1	Zerk-Grease
E652072	11	37	1	Bracket-Switch, Seat	E811008	14	9	1	Zerk-Grease
E652073	6	27	1	Brake Crank	E811010	1	36	2	Plug-Caster Swivel
E652081	2	5	1	Plate-Deck Lift	E816001	11	35	2	Fuse-Blade Type 20 Amp
E652085	6	23	1	Shaft-Brake, Shaft	7-4150	13	4:9	1	Washer-Pinion
E652105	7	8	1	Brkt-Motion Control, LH	27-0950	13	4:4	1	Spacer-Bearing, Spindle
E652106	7	23	1	Brkt-Motion Control, RH	27-0960	13	4:3:1	1	Bearing ASM
E652108	3	25	1	Frame-Engine Deck	27-5970	13	4:3:2	1	Spacer-Matched Set
E652134	6	2	1	Bracket-Brake, LH	29-5590-01	12	6	2	Bracket-Pivot
E652135	6	8	1	Bracket-Brake, RH	40-6230	12	7	2	Spring
E652146	10	11	1	Strap-Guard, Engine	43-8480	12	20:5	1	Decal-Danger
E653009	1	31	2	Spring-Lift Assist	46-8530	13	4:3	1	Bearing ASM
E653011	1	30	2	Rod-Deck Lift	54-9220	12	9:2	1	Decal-Danger
E653035	10	4	1	Sheave-Pump Drive	56-2390	13	3	3	Blade
E653036	11	36	1	Wahser	61-4160	13	4:6	1	Spindle
E653043	2	7	1	Plate	63-8360	11	5	2	Key-Ignition w/Shield
E653046	7	17	2	Link-Pump Control	65-2690	3	27	3	Decal-Hot Surface
E653048	10	3	1	Clutch	65-2690	8	24:2	1	Decal-Hot Surface
E653049	1	12	1	Hinge-Floorpan	65-2690	8	39	1	Decal-Hot Surface
E653061	6	26	1	Linkage-Brake Handle	66-1340	12	20:10	1	Decal-Danger
E653068	6	28	4	Spacer	66-6380	12	20:2	1	Decal-Danger
E653069	6	13	4	Spacer	67-5360	12	14:2	1	Decal-Danger
E653074	6	17	1	Handle-Brake, Park	67-5360	12	15:2	1	Decal-Danger
E653089	3	9	1	Bracket-Panel, Instrument	68-2730	12	2	6	Gage Wheel
E653092	7	20	2	Arm-Pump Control	74-0720	3	23	1	Tube-Manual
E653093	10	13	1	Strap-Guard, Engine	88-1270	1	19	1	Decal-Safety STD
E653095	10	12	1	Shield-Guard, Engine	92-5816	13	1	3	Flangebolt-Blade
E653140	2	22	1	Decal-Deck Height	93-3101	5	20	2	Cap-Fuel
E653147	2	23	1	Decal-Deck Height	93-7340	3	19	1	Decal-Toro
E653148	3	17	1	Rod-Hold Up, Seat	93-7818	12	20:6	1	Decal-Blade Bolt Torque
E653154	11	33	1	Harness-Wiring	94-2547	14	26	1	Eyebolt
E653156	8	7	2	Sheave w/Hub	98-3269	12	20:9	1	Decal-Made In USA
E653159	3	28	2	Wheel And Tire ASM	98-3777	12	21	4	Spacer-Wheel
E653160	3	28:1	1	Tire	98-3798	12	20:7	1	Decal-Gage Wheel
E653161	3	28:2	1	Wheel	98-5953	12	20:8	1	Decal-Sfs
E653165	7	2	2	Pin-Damper Anchor	98-5954	1	13:3	1	Decal-Cover Missing
E653186	8	19	2	Hose	98-5954	12	20:3	3	Decal-Cover Missing
E653187	8	20	1	Hose	98-5961	12	19	4	Screw-Hex Head
E653188	8	38	1	Hose	98-5967	12	3	1	Spacer-Wheel
E653195	10	14	1	Muffler	98-5975	12	18	4	Washer
E653196	10	28	1	Bracket-Muffler Support	98-5984	12	9	1	Deflector ASM
E653251	10	29	1	Engine-20hp Kohler	99-2842	12	16	4	Spacer-Wheel
E653283	9	14	1	Belt, Pump Drive	99-3870-01	1	17	2	Bracket-Floorpan
E653286	10	16	1	Shield-Heat	99-3871-01	1	33	1	LH Lift Arm ASM
E653314	5	21	4	Stud	99-3872-01	1	34	1	RH Lift Arm ASM
E654143	9	15	1	Idler Arm w/Bushings, Zerk	99-3875	12	20	1	52" Deck ASM
E654144	8	21	1	Hose	99-3877	13	4	3	Spindle Housing ASM
E654145	8	29	1	Hose	99-3879	14	11	1	Idler Arm ASM w/Bushings
E654197	8	30	1	Hose	99-3892	13	4:1	1	Shaft-Spindle
E800279	11	23	1	Bolt-TAP	99-3895	12	15	1	RH Cover ASM
E800282	11	39	1	Screw-HH	99-3896	12	14	1	LH Cover ASM
E800339	1	37	2	Screw-HH	99-3904	13	8	1	Belt-Deck
E800344	14	16	2	Screw-HH	99-3905	13	4:7	1	Pulley & Hub
E800805	14	25	1	Screw-HH	99-3922-03	2	17	1	Lift Arm
E801063	8	14	4	Screw-PPH	99-3924	1	13:2	1	Decal-Service
E803022	7	21	2	Screw	99-3930	1	13	1	Footrest ASM
E803028	11	10	8	Screw	99-3931	1	20	1	Front Frame ASM
E804256	5	23	4	Nut-Lock Ni	99-3932	3	2	1	Control Panel ASM
E804256	11	25	1	Nut-Lock Ni	99-3933	3	13	1	Console ASM
E804510	14	17:2	1	Nut, Reg HH 5/8-18 Raw	99-3940	1	11	1	Floorpan-Front
E804524	7	22	2	Nut	99-3942	3	2:2	1	Decal-Control Panel
E806003	2	16	2	Pin-Hair Cotter	99-3943	12	20:4	1	Decal-Belt Routing
E806005	2	8	1	Hairpin	99-3946-01	14	24	1	Plate-Bolt Retainer
E806800	6	1	2	Pin-Cotter	99-4604	3	31	1	Decal-Z150
E807020	6	29:2	1	Woodruff-Key	99-4605	5	2	1	Tank-Fuel, RH
E807259	10	5	1	Key	99-4606	5	1	1	Tank-Fuel, LH
E807272	8	9	2	Key	99-4625	8	24	1	Hydraulic Tank ASM
E807513	3	4	2	Bolt-CARR	249-21	12	13	2	Clamp-Slotted

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3321-681 Rev A

Part No.	Pg. No.	Qty.	Ref. No.	Description	Part No.	Pg. No.	Qty.	Ref. No.	Description
2412-120	3	20	2	R Clamp	3256-3	7	11	4	Washer-Flat
253-139	13	4:5	2	Seal-Oil	3256-3	10	27	3	Washer-Flat
254-72	1	38	4	Cup-Bearing, Outer	3256-4	6	12	4	Washer-Flat
254-78	1	1:4	2	Bearing-Roller, Cone	3256-4	9	2	1	Washer-Flat
254-79	1	1:3	2	Bearing-Roller, Cup	3256-7	1	29	2	Washer-Flat
254-94	1	5	4	Bearing-Cone	3256-14	3	21	2	Washer-Flat
283-2	2	21	2	Pin-Clevis	3256-23	1	10	4	Washer-Flat
302-2	13	4:2	1	Fitting-Grease	3256-23	3	6	2	Washer-Flat
302-58	1	35	4	Zerk	3256-23	5	3	8	Washer-Flat
302-58	2	15	1	Zerk	3256-23	7	3	6	Washer-Flat
302-58	14	18	4	Zerk	3256-23	10	15	3	Washer-Flat
321-1	12	24	7	Screw-HH	3256-24	2	19	1	Washer-Flat
321-4	5	13	1	Screw-HH	3256-24	9	11	1	Washer-Flat
321-4	11	13	7	Screw-HH	3256-24	13	6	6	Washer-Flat
321-15	8	27	2	Screw-HH	3256-24	14	3	4	Washer-Flat
321-21	3	15	2	Screw-HH	3256-27	1	32	2	Washer-Flat
322-2	3	30	6	Screw-HH	3256-28	6	5	3	Washer-Flat
322-3	1	9	6	Screw-HH	3256-29	1	22	6	Washer-Flat
322-3	3	8	3	Screw-HH	3272-5	7	40	2	Pin-Cotter
322-3	5	5	4	Screw-HH	3272-10	6	7	6	Pin-Cotter
322-3	7	35	2	Screw-HH	3290-321	12	22	4	Screw-HWH
322-3	10	9	17	Screw-HH	3290-357	1	23	12	Nut-Lock
322-3	11	34	3	Screw-HH	3290-357	2	3	3	Nut-Lock
322-3	14	20	2	Screw-HH	3290-357	6	22	8	Nut-Lock
322-5	3	5	3	Screw-HH	3290-357	7	14	8	Nut-Lock
322-5	8	35	2	Screw-HH	3290-357	8	11	4	Nut-Lock
322-6	7	13	4	Screw-HH	3290-357	9	5	3	Nut-Lock
322-6	10	22	1	Screw-HH	3290-357	14	7	1	Nut-Lock
322-9	10	7	4	Screw-HH	3290-357	9	10	1	Nut-Lock Ni
322-22	10	26	1	Screw-HH	3296-2	3	12	2	Nut-Lock Ni
323-4	6	15	9	Screw-HH	3296-2	11	41	2	Nut-Lock Ni
323-4	7	19	8	Screw-HH	3296-5	12	10	2	Nut-Lock Ni
323-6	2	9	1	Screw-HH	3296-29	3	16	1	Nut-Lock Ni
323-6	7	27	4	Screw-HH	3296-39	2	4	3	Nut-Lock Ni
323-6	14	6	3	Screw-HH	3296-39	3	33	2	Nut-Lock Ni
323-7	1	25	12	Screw-HH	3296-39	7	24	6	Nut-Lock Ni
323-7	8	10	4	Screw-HH	3296-39	12	1	9	Nut-Lock Ni
323-9	2	1	2	Screw-HH	3296-39	14	27	1	Nut-lock Ni
323-9	7	30	6	Screw-HH	3296-42	5	15	1	Nut-Lock Ni
323-9	9	7	1	Screw-HH	3296-42	8	13	2	Nut-Lock Ni
323-13	2	10	1	Screw-HH	3296-45	1	2	2	Nut-Lock Ni
323-13	9	1	1	Screw-HH	3296-51	1	7	2	Nut-Lock Ni
323-28	12	4	1	Screw-HH	32128-17	12	12	4	Nut-Flange Lock
324-6	14	21	8	Screw-HH	32128-20	1	18	8	Nut-Hex Flange
325-13	6	32	8	Screw-HH	32128-20	3	10	12	Nut-Hex Flange
3211-15	12	8	2	Screw-HH	32128-20	7	9	4	Nut-Hex Flange
3212-10	10	1	1	Screw-HH	32128-20	8	33	2	Nut-Hex Flange
3217-7	14	1	1	Nut-Hex	32128-20	10	8	19	Nut-Hex Flange
3217-9	6	20	8	Nut-Hex	32128-20	10	10	4	Nut-Hex Flange
3217-11	1	26	8	Nut-Hex	32128-20	11	24	6	Nut-Hex Flange
3217-11	14	14	2	Nut-Hex	32128-20	14	13	2	Nut-Hex Flange
3218-6	1	28	4	Nut-Jam	32128-21	13	5	18	Nut-Flange Lock
3219-2	7	16	10	Nut-Hex	32128-33	1	15	10	Nut-Hex Flange
3219-3	6	11	8	Nut-Hex	32128-33	3	26	2	Nut-Hex Flange
3220-2	7	37	2	Nut-Jam	32128-33	7	10	2	Nut-Hex Flange
3229-10	1	14	10	Screw-CARR	32128-33	8	28	2	Nut-Hex Flange
3230-1	1	16	2	Screw-CARR	32128-33	11	11	7	Nut-Hex Flange
3230-18	12	5	4	Screw-CARR	32128-33	12	25	7	Nut-Hex Flange
3231-22	13	7	18	Screw-CARR	32128-37	14	22	16	Nut-Whizlock
3242-4	8	8	4	Screw-Square Head	32144-34	3	22	2	Screw-Thread Forming
3253-4	5	4	4	Washer-Lock/Sp	32146-20	13	4:8	1	Nut-Jam
3253-7	6	19	8	Washer-Lock/Sp	32151-103	1	21	6	Snap Ring
3253-7	13	9	3	Washer-Lock/Sp	32151-103	2	2	1	Snap Ring
3253-8	14	15	2	Washer-Lock/Sp	32152-1	12	11	4	Nut-Lock
3256-2	7	36	2	Washer-Flat					
3256-2	11	20	2	Washer-Flat					
3256-3	3	32	4	Washer-Flat					

\*Not Illustrated

