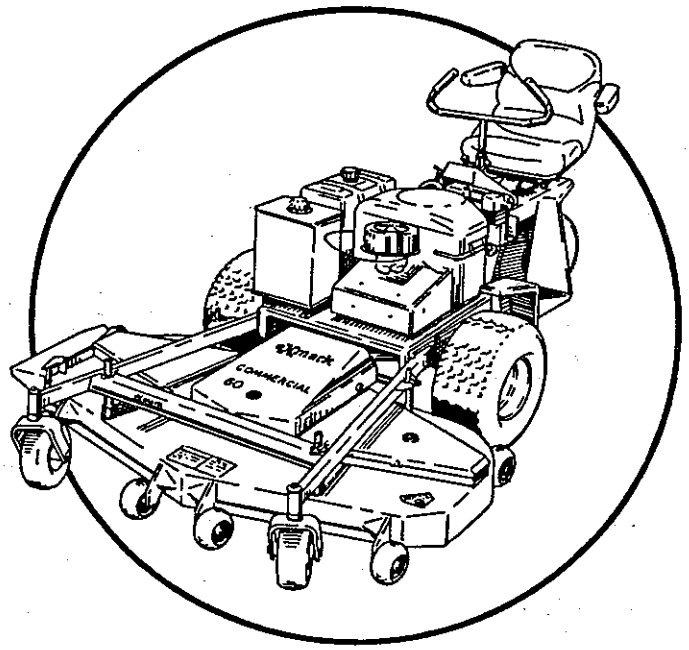
For Serial Nos. 84,000 & Higher

eXmark® MFG. CO. INC.

Turf Ranger



Parts Manual

CONGRATULATIONS on the purchase of your new Exmark mower. This product has been carefully designed and manufactured to give you a maximum amount of dependability and years of trouble-free operation.

If additional information is needed, or should you require trained mechanic service, contact your authorized Exmark equipment dealer or distributor.

If you need to order replacement parts from your dealer, always give the model number and serial number of your mower as well as the quantity, part number and description of the part needed.

The serial number plate of the tractor unit is located on the top right hand side of the engine frame. The serial number plate for the deck is located on the front support pin gusset on the right hand side of the deck. We suggest you record numbers for ready reference.

Tractor Model No. _____

Tractor Unit Serial No. _____

Deck Model No. _____

Deck Serial No. _____

Date Purchased _____

Purchased From _____

TABLE OF CONTENTS

MODEL TR-17K, TR-18KO & TR-20KO PARTS LIST

Description	Page
Safety First	1, 17
Axle & Hydraulics	2
Motion Controls	3
Parking Brake	4
Engine Deck Group	5, 6
Rider Frame & Steering	7, 8
52" Mower Deck	9, 10
60" Mower Deck	11, 12
Kohler & 17 Kawasaki Electric	13, 14
Seat Assembly & Lift Actuator	15
Decals	16

Safety Recommendations For All Exmark Mower Users

Recommended practices from the International Safety Organizations Specifications for power lawn mowers.

Training

1. Regard the Exmark mower as a piece of power equipment and teach this regard to all who operate this unit.
2. Read the instructions carefully. Be familiar with the controls and the proper use of the equipment.
3. Never allow children, young teenagers, or people unfamiliar with these instructions to use the mower.
4. Avoid mowing while people, especially children or pets, are nearby. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

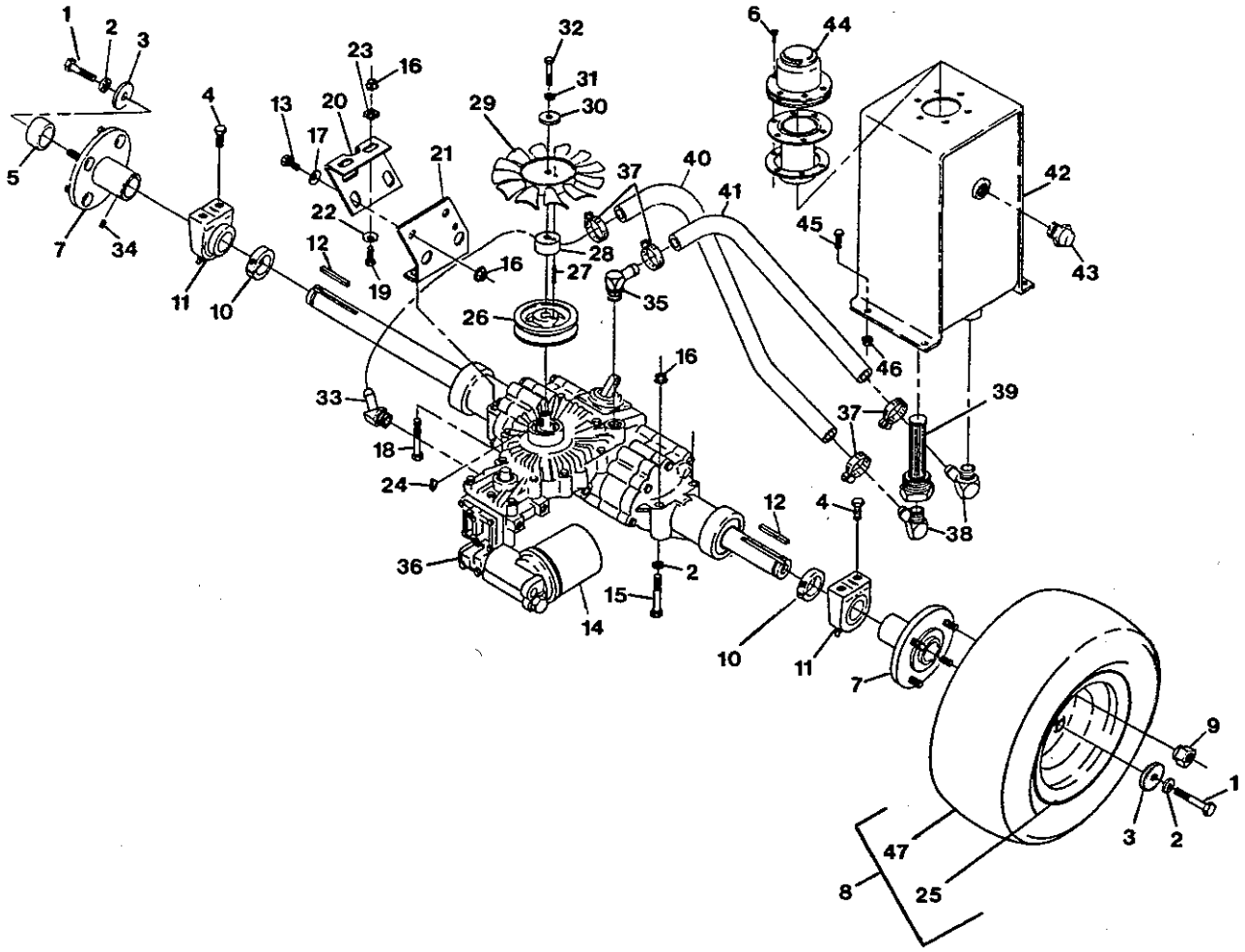
Preparation

1. The use of personal protective equipment, such as (but not limited to) protection for the eyes, ears, feet and head is recommended.
2. While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandles.
3. Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wires, bones and other foreign objects.
4. Always place the mower in the neutral lock position before starting the engine.
5. DANGER: Fuel is highly flammable.
   a) Store fuel in containers specifically designed for this purpose.
   b) Refuel outdoors only. Do not smoke while refueling.
   c) Add fuel before starting the engine. Never remove the cap of the fuel tank or add fuel while engine is running or when engine is hot.
   d) If fuel is spilled, do not attempt to start the engine. Move away from the area of the spill and avoid creating any source of ignition until fuel vapors have dissipated.

Operation

1. Give complete, undivided attention to the job at hand.
2. Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
3. Mow only in daylight or good artificial light.
4. Avoid operating the equipment in wet grass, when feasible. Always be sure of your footing on slopes. Walk, never run.
5. Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
6. Use extreme caution when backing up or pulling the mower towards you.
7. Stop the blade(s) if mower has to be tilted for transportation, when crossing surfaces other than grass, and when transporting the mower to and from the area to be mowed.
8. Never operate the mower with defective guards, shields, or without safety devices in place, for example, deflectors.
9. Do not change the engine governor settings or overspeed the engine. Operating an engine at excessive speed may increase the hazard of personal injury.
10. Disengage all blade and drive clutches before starting.
11. Start the engine or switch on the motor carefully with feet well away from the blade(s).
12. Do not put hands or feet near rotating parts while the mower is being operated.
13. Never pick up or carry a mower while the engine is running.
14. Stop the engine and disconnect the spark plug wire:
    a) Before checking, cleaning or working on the mower
    b) After striking a foreign object (inspect the mower for damage and make repairs before restarting and operating the mower).

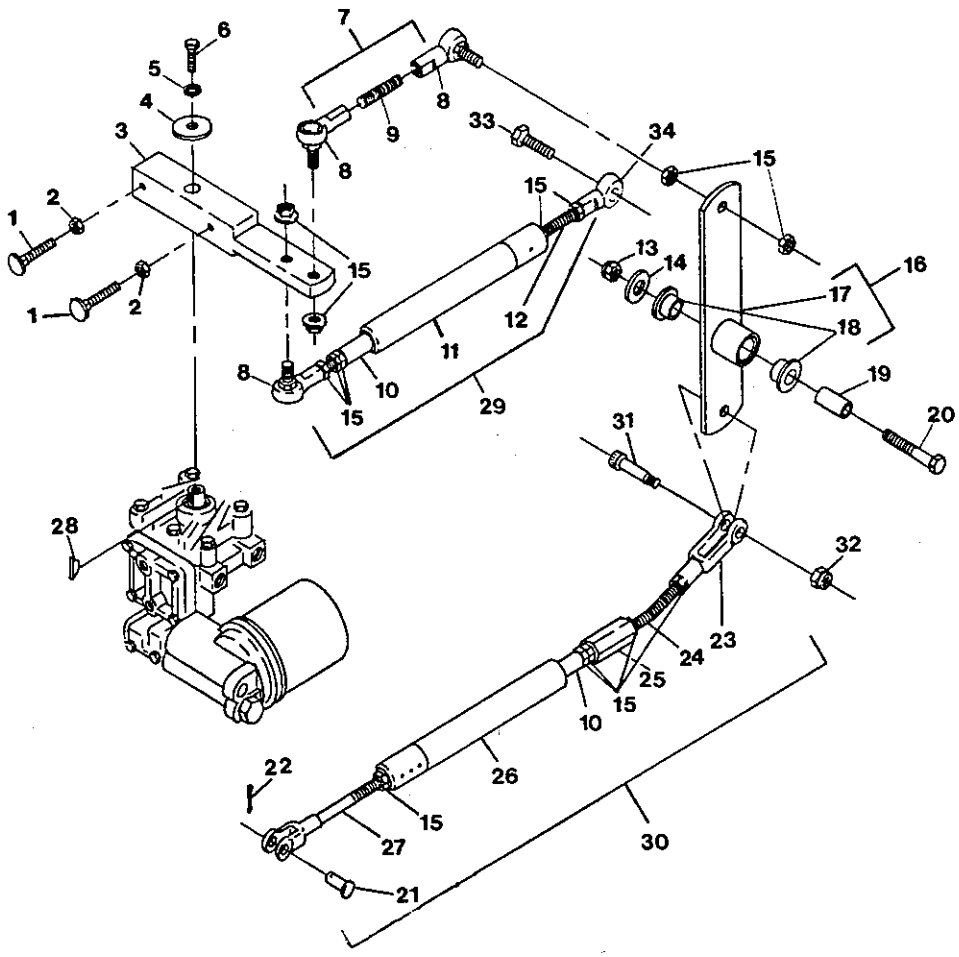
Continued on Page 17



AXLE AND HYDRAULICS

KEY	PART #	QTY.	DESCRIPTION
1	800293	2	3/8-16 x 1-1/4 Capscrew
2	805006	4	3/8 Heavy Spring Lockwasher
3	543216	2	Washer, Axle Plated
4	803045	4	Bolt, Whizlock 3/8-16 x 3/4
5	543208	1	Spacer, Outer Hub
6	802002	6	#10-32 x 1/2 Thd. Cttng. Screw
7	543039	2	Hub, 4 Bolt
	543807	8	Hub Bolt
8	543396	2	T/W Assy - 20.0 x 10.0-8
9	513011	8	1/2-20 Wheel Nut
10	373021	2	1" Clamp Collar
11	543485	2	Bearing - Tpd Bse Ptw
12	807261	2	Key - 1/4 x 1/4 x 2 Ht. Machine
13	800290	2	3/8-16 x 3/4 Capscrew
14	513211	1	Element - Oil Filter
15	800301	2	3/8-16 x 3-1/2 HH Capscrew
16	809007	4	Nut - 3/8-16 Flng Hex (17 HP Kaw.)
		6	Nut - 3/8-16 Flng Hex (Kohler)
17	303327	2	3/8 Disc Spring Washer
18	800298	2	3/8-16 x 2-1/2 HH Capscrew
19	800292	2	3/8-16 x 1 HH Capscrew
20	543996	1	Stabilizer, Axle Upper
21	542612	1	Stabilizer, Axle Low
22	805260	2	3/8 Std Flat Washer
23	804007	2	3/8-16 Square Nut (17 HP Kaw.)
24	807006	1	#61 Woodruff Key

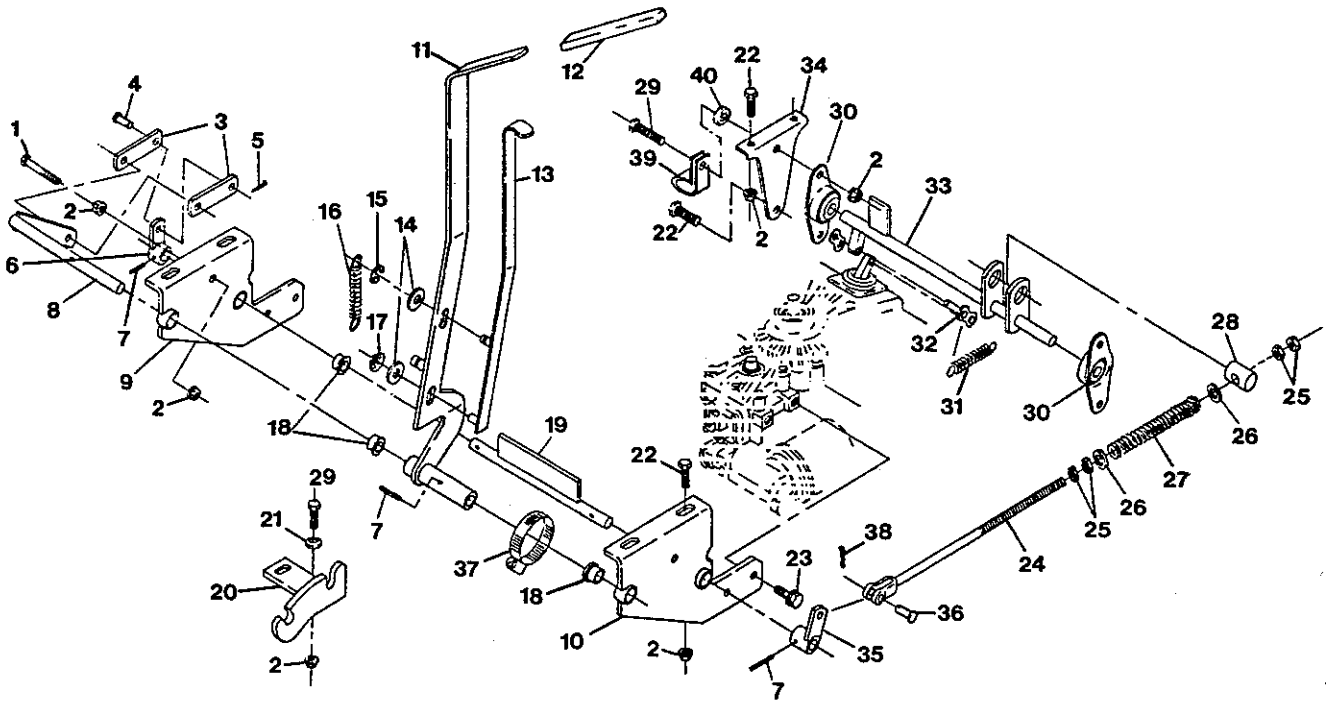
KEY	PART #	QTY.	DESCRIPTION
25	513042	2	Rim
26	543928	1	Pulley, Cast Iron 4"0 x .67(17 mm)
27	806328	1	Rollpin - 7/32 x 7/8
28	543317	1	Spacer, Fan
29	543359	1	Fan 7" OD/10 Blade
30	503033	1	Pulley Retainer Washer
31	805004	1	1/4 Heavy Spring Lockwasher
32	800256	1	1/4-20 x 1-1/2 HH Capscrew
33	543888	1	Elbow - 45 Deg. O.R./Hose Barb
	603919	1	O-Ring
34	803037	8	3/8-16 x 1/2 Sq Hd Cuppoint Stscrw
35	543887	1	Elbow - 90 Deg. O.R./Hose Barb
	603919	1	O-Ring
36	543746	1	Hydra Transaxle, 851 Series
37	543892	4	Clamp Hose
38	543889	2	Elbow, Male 90
39	543864	1	Suction, Strainer
40	543930	1	Hose - 17.25 Push-Lok
41	543931	1	Hose - 8.0 Push-Lok
42	542913	1	Tank, Hyd Wldmt Ptd
43	543894	1	Oil Eye - Hyd. Tank
44	543541	1	Breather, Fillr & Cap
45	800271	4	5/16-18 x 3/4 HH Capscrew
46	809001	4	5/16-18 Whizlock Nut
47	543680	2	Tire - 20 x 10.00-8



MOTION CONTROLS

KEY	PART #	QTY.	DESCRIPTION
1	807522	2	5/16-18 x 2 Carr. Bolt
2	804506	2	5/16-18 Reg Hex Nut
3	542916	1	Arm Wldmt - Transaxle
4	503033	1	Pulley Retainer Washer
5	805004	1	1/4 Heavy Spring Lockwasher
6	800256	1	1/4-20 x 1-1/2 HH Capscrew
7	544722	1	Linkage - Motion Control
8	513132	3	Joint, Ball
9	543710	1	Rod End Pltd.
10	513479	2	Bushing, Spring Guide
11	542724	1	Centering Spring Weldment
12	543148	1	Rod - End
13	804256	1	5/16-18 Nyloc Hex Nut
14	805258	1	5/16 Std Flat washer
15	804758	14	Jam Nut RH 5/16-24
16	544711	1	Idler - Linkage S/A
17	542144	1	Idler Wldmt - Linkage

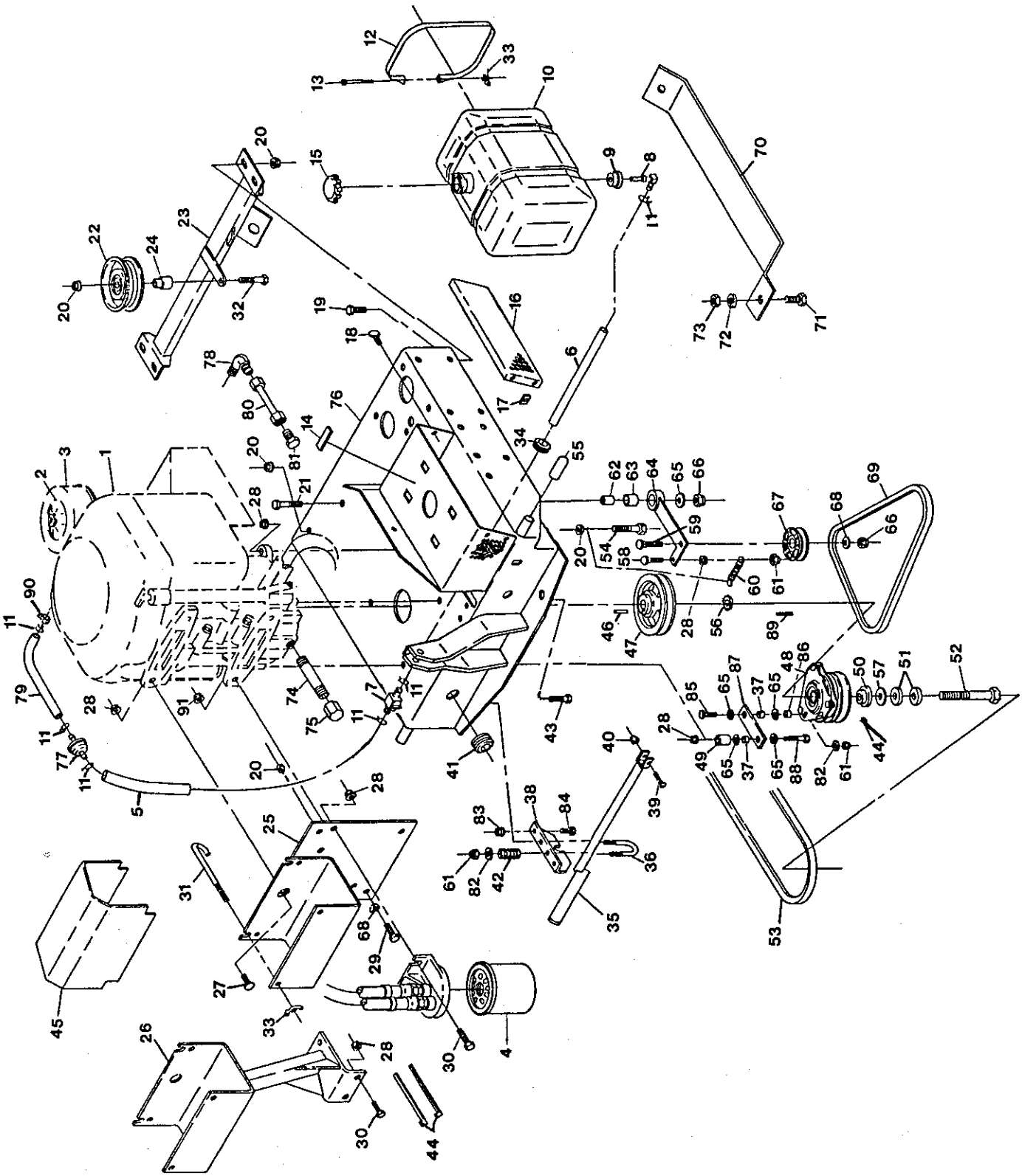
KEY	PART #	QTY.	DESCRIPTION
18	513140	2	Bearing, Control
19	543486	1	Bushing
20	800279	1	5/16-18 x 2-1/2 HH Capscrew
21	808280	1	5/16 x 1 Clevis Pin
22	806753	1	3/32 x 1/2 Cotter Pin
23	303105	1	Adjustable Yoke
24	543520	1	Rod - Linkage, Plated
25	543518	1	Adapter, Threaded
26	512136	1	Housing Wldmt, Override
27	543790	1	Linkage - Clevis .31
28	807002	1	Key - 1/8 x 1/2 Wdrf #3
29	542725	1	Center Spring Assy - P
30	542698	1	Override - Pedal Spring
31	809057	1	Hx Socket Hd Shoulder Screw
32	804255	1	1/4-20 Nyloc Nut
33	800513	1	5/16-24 x 1 Hex Head Cpscrw
34	543017	1	Ball Joint



PARKING BRAKE

KEY	PART #	QTY.	DESCRIPTION
1	800278	1	5/16-18 x 2-1/4 HH Cap
2	809001	13	5/16-18 Whizlock Nut
3	543115	2	Link - Brake
4	808278	2	5/16 x 3/4 Clevis Pin
5	806761	2	1/8 x 3/4 Cotter Pin
6	542123	1	Arm Wldmt - Btrfly Ctr
7	806328	3	Roll Pin - 7/32 x 7/8
8	542190	1	Pivot Wldmt - Brake Lever
9	542924	1	Supt. Wldmt - Trans LH
10	542926	1	Supt. Wldmt - Trans RH
11	542192	1	Handle Wldmt - Brake
12	303020	1	Grip (Adj. Lever)
13	542719	1	Trigger Wldmt - Brake
14	805257	2	5/16 SAE Washer
15	808512	1	E Ring
16	513468	1	Spring - Brake Handle
17	543798	1	Pushnut - .312 Flt Rnd
18	513140	4	Bearing Control
19	542125	1	Butterfly Wldmnt
20	542900	1	Quadrant Wldmt - Brake

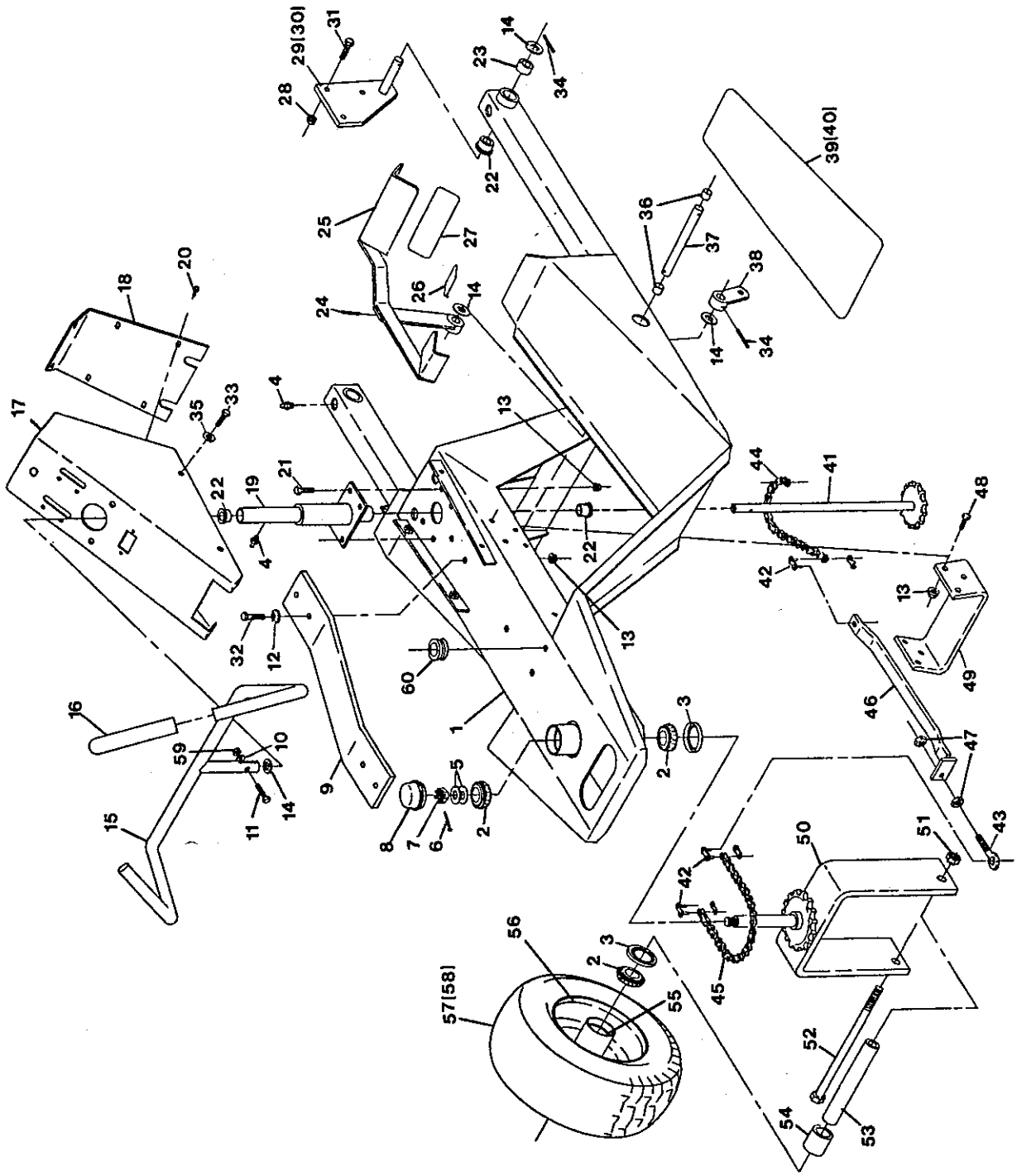
KEY	PART #	QTY.	DESCRIPTION
21	303334	2	5/16 Disc Washer
22	800271	9	5/16-18 x 3/4 HH Capscrew
23	803032	4	Bolt, Whizlock 5/16-18 x 3/4
24	543721	1	Linkage - Brake
25	804760	4	Jam Nut 3/8-24 Pltd.
26	805260	2	Washer, Flat - 3/8
27	543132	1	Spring, Brk Protect
28	543129	1	Pin - Trunion
29	800273	2	5/16-18 x 1 HH Capscrew
30	543514	2	Flange Mtg, Side
31	543543	1	3 x 1/2 Spring
32	543745	1	Link Connector #60
33	542748	1	Jackshaft Wldmt - Brk
34	543138	1	Mount - Jackshaft Brg.
35	542121	1	Arm Wldmt - Brk Control
36	808280	1	5/16 x 1 Clevis Pin
37	543892	1	Hose Clamp
38	806753	1	3/32 x 1/2 Cotter Pin
39	213148	1	Clamp
40	543007	1	Spacer



ENGINE DECK GROUP

KEY	PART #	QTY.	DESCRIPTION
1		1	Engine - 18 hp Kohler
		1	Engine - 20 hp Kohler
		1	Engine - 17 hp Kaw.
2		1	Air Filter - Kohler #45-083-02
		1	Air Filter - Kawasaki #11013-2098
3		1	Foam Precleaner, Kohler #45-083-01
		1	Foam Precleaner, Kawasaki #11013-2097
4		1	Oil Filter - Kohler #52-050-02
		1	Oil Filter - Kawasaki #49065-2071
5	303471	1	Fuel Line - (Kohler)
	543649	1	Fuel Line - (Kawasaki)
6	603508	1	Fuel Line
7	603770	1	Valve - Fuel Line
8	543277	1	Elbow - Fuel Tank w/Sc
9	513645	1	Bushing, Fuel Valve
10	543364	1	Tank, Gas
11	303077	6	Clamp - Gas Line (Kohler)
		5	Clamp - Gas Line (Kaw.)
12	303465	2	Strap, Fuel Tank
13	801060	2	Machine Screw 1/4-20 x 2
14	303315	2	Gas Tank Pad
15	513508	1	Cap - Fuel Tank
16	543109	1	Screen - Air Intake
17	809024	3	1/4-20 Nut Retainer
18	543791	3	Screw - Heavy Thumb
19	800290	4	3/8-16 x 3/4 Capscrew
20	809007	9	Nut - 3/8-16 Flng Hex (Kohler)
		13	Nut - 3/8-16 Flng Hex (Kawasaki)
21	800296	1	3/8-16 x 2 HH Capscrew
22	543877	1	Pulley, Idler 5 3/4 OD
23	542958	1	Cross Member Widmt
24	543879	1	Bushing, Idler
25	542937	1	Mount Widmt - Battery (Kohler)
26	542982	1	Mount Widmt - Battery (Kaw.)
27	807506	1	5/16-18 x 1 Carr. SSN (Kohler)
28	809001	9	5/16-18 Whizlock Nut (Kohler)
		5	5/16-18 Whizlock Nut (Kaw.)
29	800292	3	3/8-16 x 1 HH Capscrew (Kohler)
30	800271	2	5/16-18 x 3/4 HH Capscrew (Kohler)
		4	5/16-18 x 3/4 HH Capscrew (Kawasaki)
31	543882	2	Bolt - Hold Down
32	800297	1	3/8-16 x 2-1/4 Hex Hd Capscrew
33	543792	4	Wingnut - Nyloc 1/4
34	543296	1	Grommet - Fuel Line
35	542948	1	Lever - Drive Release
36	543935	1	5/16-18 Thrd Top U-Bolt
37	543007	2	Spacer - Clutch Anchor
38	543933	1	Brkt - Neut Lever
39	801056	1	Screw - 12-24 x 1.38 Slt
40	804254	1	Nut - 12-24 Nyloc Hex
41	543286	1	Grommet
42	303160	2	Compression Spring
43	800275	3	5/16-18 x 1-1/2 HH Capscrew (Kohler)
	809018	3	M8 x 1.25 x 33 mm HH Capscrew (Kawasaki)
44	303335	3	Plastic Tie - Large
45	543891	1	Battery Cover
46	807264	1	Key - 1/4 x 1/4 x 2-5/8 Mach (17 Kawasaki & 18 Kohler)
	807010	1	3/4 x 1/4 #91 Woodruff Key (20 hp Kohler)
47	543929	1	Pulley - Engine (18 Kohler & 17 Kawasaki)
	543959	1	Pulley - Engine (20 hp Kohler)
*48	543860	1	Clutch, Electric (Ogura)
49	323037	1	Slide Spacer
50	543865	1	Bushing - Clutch Keeper
51	603610	2	7/16 Spring Disc Washer
52	800820	1	Capscrew - 7/16-20 x 3 HH (Kohler)
	809055	1	M10 x 1.5 x 80 mm HH Capscrew (Kawasaki)
53	543521	1	Belt - Deck Drive (60" Deck)
	543028	1	Belt - Deck Drive (52" Deck)
54	800295	1	3/8-16 x 1-3/4 HH Capscrew
55	303021	2	Grip (Drive Lever)
56	543962	1	Washer - Clutch (20 hp Kohler)
57	373034	1	Washer - Pivot
58	807518	1	Bolt - .31-18 x 1.25 Car
59	807517	1	Bolt - 3/8-16 x 1-3/4
60	513170	1	Spring
61	804256	4	5/16-18 Nyloc Hex Nut
62	543274	1	Bushing, Steel
63	543502	1	Bushing, Bronze
64	542270	1	Arm Widmt - Hyd Dr Idlr
65	213069	5	Strut - Adj Spacer
66	804257	2	3/8-16 Nyloc Hex Nut
67	543008	1	Pulley - Idler, Metal
68	805260	3	3/8 Std Flat Washer
69	543548	1	Belt A Trans Drive
70	543258	1	Plate - Skid Painted
71	800326	2	Capscrew - 1/2-13 x 1.25 HH
72	805008	2	1/2 Reg Sprg Lockwasher
73	804509	2	1/2-13 Reg Hex Nut
74	543684	1	Pipe 1/4-18 NPT x 3 (Kohler)
75	543685	1	Cap - 1/4-18 NPT (Kohler)
76	542922	1	Deck Widmt - Engine
77	303197	1	Gas Filter
78	553000	1	Elbow - 90 Deg. 3/8 JIC x 3/8 BSPT (Kawasaki)
79	543456	1	Fuel Line - 21.5
	303022	1	Fuel Line - 8.5" (Kawasaki)
80	552002	1	Tube Assembly - Oil Drain (Kaw.)
81	553001	1	Plug - 3/8 JIC (Kawasaki)
82	805258	3	5/16 Standard Flatwasher
83	809012	2	Nut, 1/4-20 Whizlock
84	800252	2	1/4-20 x 5/8 HH Capscrew
85	800275	1	5/16-18 x 1-1/2 HH Capscrew
86	323093	1	Spacer
87	543004	1	Anchor - Elec. Clutch, Heavy
88	800284	1	5/16-18 x 4 HH Capscrew (Kohler)
	809061	1	M8 x 1.25 x 80 mm HH Capscrew (Kawasaki)
89	807259	1	Key - 1/4 x 1/4 x 1 (20HP Kohler)
90	303308	1	Hose Clamp (Kawasaki)
91	804752	1	3/8-16 Jam Nut

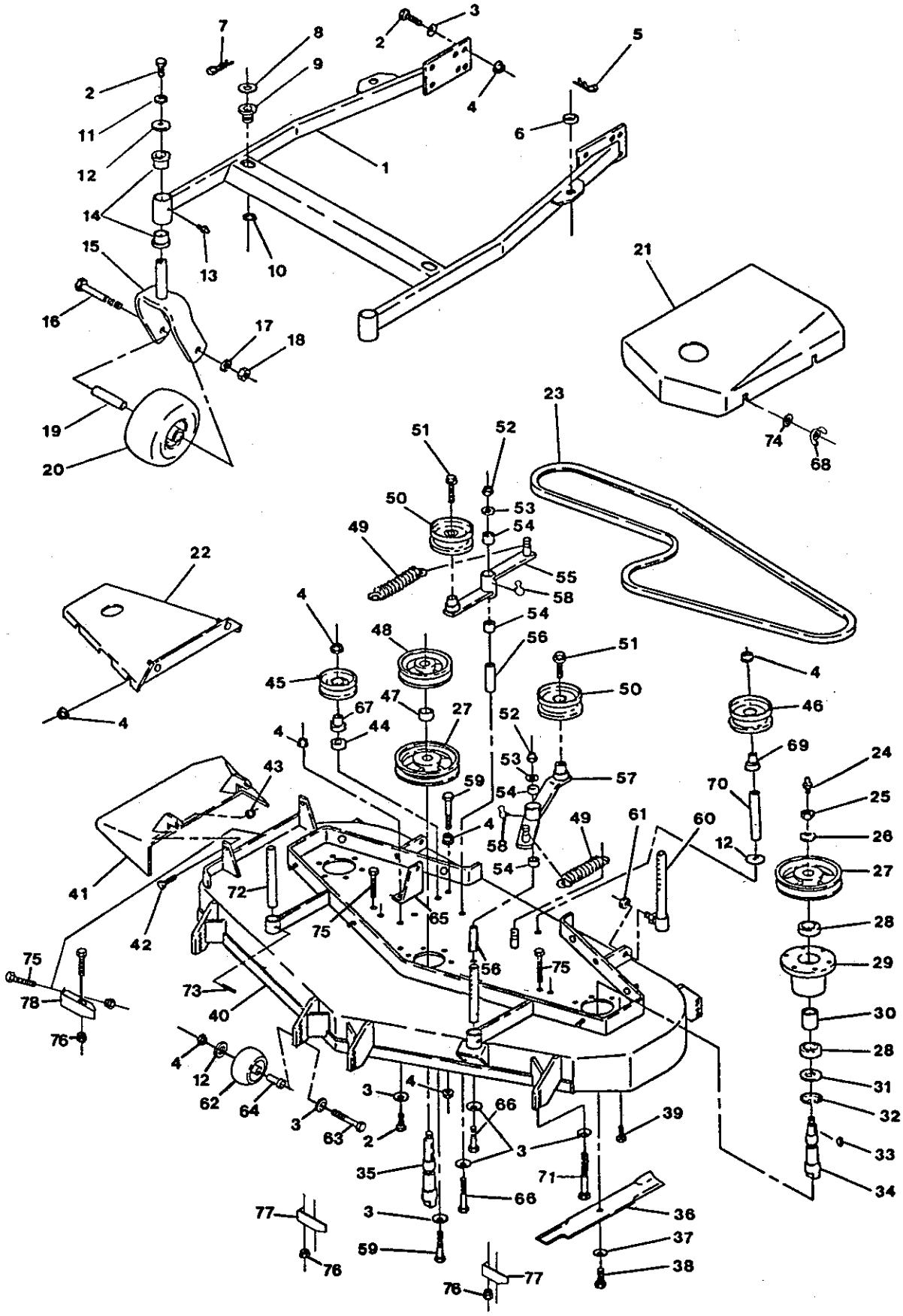
*NOTE: For units produced with the Warner 5215-14 electric clutch, replace said clutch with Kit #541003 which includes Ogura clutch and necessary parts to install to your unit.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29|30|
31
32
33
34
35
36
37
38
39|40|
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57|58|
59
60

RIDER FRAME AND STEERING

KEY	PART #	QTY.	DESCRIPTION
1	542920	1	Frame Widmt - Rider
2	543509	4	Bearing, Taprd Roller
3	543511	3	Seal, Grease
4	811006	3	Zerk, 1/4-28 Strt
5	805269	2	3/4 S.A.E. Flat Washer
6	806770	1	Cotter Pin - 5/32 x 1.25
7	803040	1	Nut Hex Sltd 3/4-16
8	543513	1	Cap - Grease
9	543498	1	Seat Spring
10	805259	1	Washer, Flat 3/8
11	800294	1	3/8-16 x 1-1/2 Capscrew
12	303327	2	3/8 Disc Spring Washer
13	809007	13	Nut - 3/8-16 Fing Hex
14	303007	5	Washer - 6" Caster Pivot
15	543428	1	Handle Bar - Painted
16	543575	2	Grip, handle Bar
17	542939	1	Console
18	543716	1	Cover - Console Painted
19	542854	1	Steering Post
20	802006	6	#10-24 x 10-24 x 1/2 Slt. Hd. Hx. Thrd. Cut Screw
21	800290	4	3/8-16 x 3/4 Capscrew
22	303199	4	6" Caster Flange
23	303200	2	6" Caster Sleeve
24	806331	2	Roll Pin - 1/4 x 1-1/4
25	542183	1	Pedal Widmt - Foot, Ptd
26	543161	1	Pad - Rev Cntrl Pedal
27	543160	1	Pad - Forwd Control Pedal
28	809001	9	5/16-18 Whizlock Nut
29	542196	1	Brkt Widmt Pivot RH

KEY	PART #	QTY.	DESCRIPTION
30	542194	1	Bracket, Pivot LH (Not Shown)
31	800273	5	5/16-18 x 1 HH Capscrew
32	800293	2	3/8-16 x 1-1/4 Capscrew
33	800251	4	1/4-20 x 5/8 HH Capscrew
34	806332	2	Rollpin - 1/4 x 1-1/2
35	805255	4	1/4 SAE Flatwasher
36	513588	2	Bearing, DU
37	543172	1	Shaft - Foot Pedal
38	542140	1	Lever Widmt - Foot Pedal
39	543159	1	R Pad, Rider Anti-Sk
40	543158	1	L Pad, Rider Anti-Sk (Not Shown)
41	542850	1	Shaft, Steer Widmt
42	543573	4	Link - Connector, #40
43	543579	2	Eyebolt
44	543885	1	Chain - #40-29 Pitch
45	543886	1	Chain - #40-33 Pitch
46	542870	2	Link
47	804751	4	Jam Nut - 5/16-18
48	800292	6	3/8-16 x 1 HH Capscrew
49	553007	1	Stop - Actuator
50	542872	1	Steering Wheel Mnt.
51	803042	1	Nut - 5/8-11 Torq Ptd
52	800346	1	HHCS 5/8-11 x 10-1/2
53	543552	1	Bushing, Wheel Plt
54	543556	2	Spacer - Wheel Short Plt
55	543508	2	Bearing Cup
56	543674	1	Rim
57	543397	1	T/W Assy 18.0 x 6.50-8
58	543679	1	Tire - 18 x 6.50-8
59	804257	1	3/8-16 Nyloc Nut
60	543296	1	Grommet

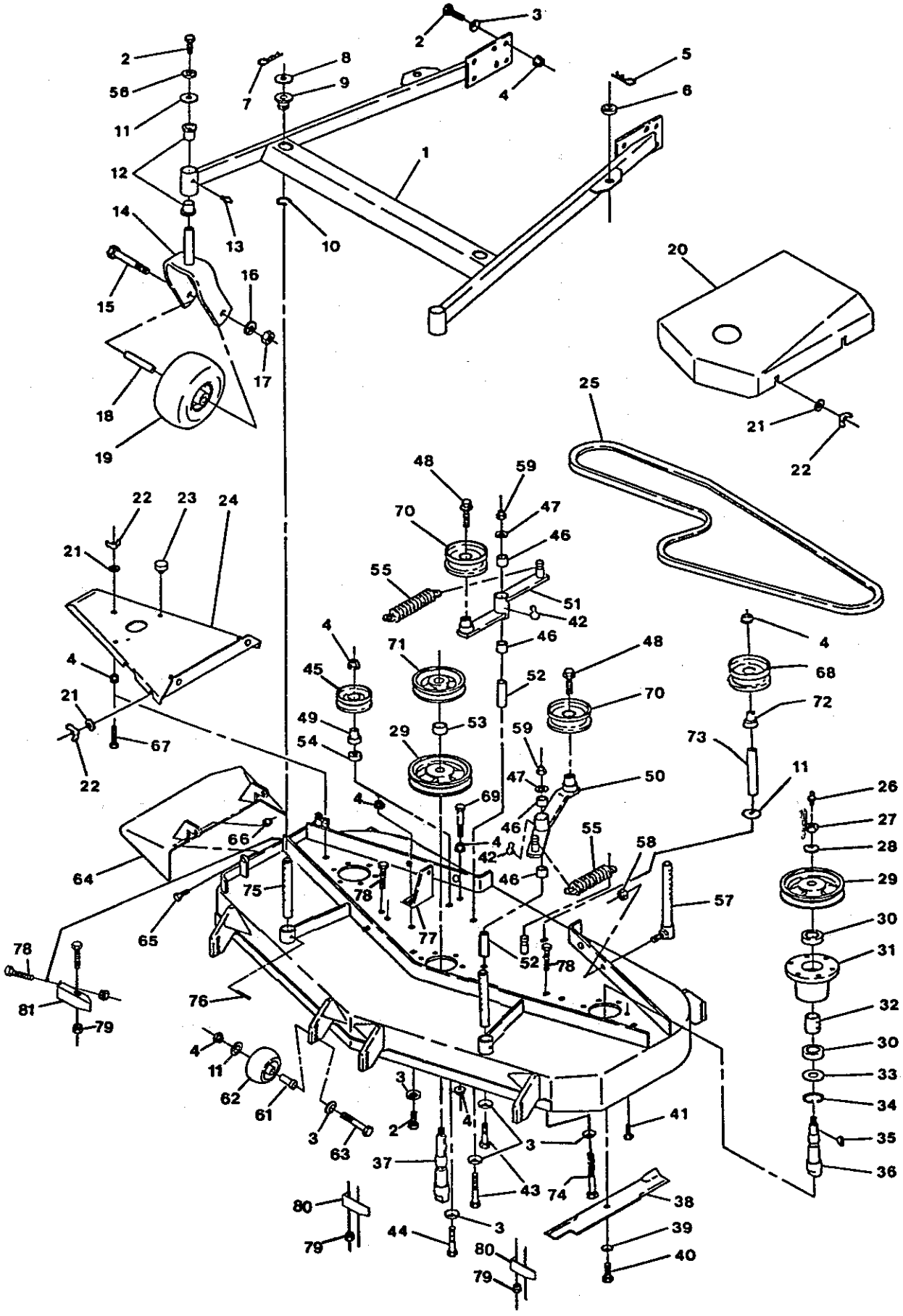

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78

52" MOWER DECK

KEY	PART #	QTY.	DESCRIPTION
1	602939	1	Support Weldment - Deck
2	800292	12	3/8-16 x 1 HH Capscrew
3	303327	19	3/8 Disc Spring Washer
4	809007	28	Nut - 3/8-16 Whizlock
5	806006	2	5/8 Hairpin
6	303164	2	Spacer - Blade Driver
7	806007	2	7/8 Hairpin
8	513338	2	Washer
9	513336	2	Bushing - Deck Support
10	808507	2	Ring - Ext. Retaining
11	805006	2	3/8 Hvy. Spring Lockwasher
12	373034	9	Washer - Pivot
13	811001	2	1/8 NPT Straight Zerk
14	303514	4	Flange Thrust Bearing
15	522143	2	Weld Assy - Caster Fork
16	800334	2	1/2-13 x 6 HH Capscrew
17	805008	2	1/2 Reg Spring Lockwasher
18	804509	2	1/2-13 Reg Hex Nut
19	513547	2	Spacer - Front Caster
20	513648	2	Wheel & Tire Assy - 9 x 3.50-4
	513807	2	Wheel
	513808	2	Tire 9 x 3.50-4
	513809	2	Bearing
	513810	4	Bushing
21	603942	1	Cover - Deck Drive Belt
22	602545	2	Cover - Deck Weldment
23	603576	1	Belt - Blade Drive
24	811006	3	Zerk - 1/4-28 Straight
25	804510	3	5/8-18 UNF Hex Nut
26	513208	3	Spring - Disc
27	513207	3	Sheave - Blade Drive
28	303057	6	Bearing - Ball 305K
29	513186	3	Housing - Bearing
30	513188	3	Spacer - Bearing
31	513193	3	Seal - Mech. Dust
32	808506	3	Snap Ring - 2.59 x 08 TK
33	807006	4	#61 Woodruff Key
34	603031	2	Spindle - Outer Blade
	604262	1	Drive Assy - Outer Blade
35	603022	1	Spindle - Center Blade
	604621	1	Drive Assy - Center Blade
36	603637	3	Blade - 18.0 Diameter
	603844	3	Blade - Low Lift
	603873	3	Blade - Mulching

KEY	PART #	QTY.	DESCRIPTION
37	513435	3	1/2 Disc Spring Washer
38	800531	3	1/2-20 x 1 HH Capscrew RH
39	809035	18	3/8-16 x 1.0 TT Tex Washer Hd Bolt
40	602928	1	Deck Weldment - 52" SD
41	602571	1	Chute Weldment - Discharge
42	800273	2	5/16-18 x 1 HH Capscrew
43	804256	2	5/16-18 Nyloc Hex Nut
44	603050	1	Bushing - Spacer
45	513787	1	Pulley - V Idler
46	603805	1	Idler
47	603504	1	Spacer - Tube
48	603581	1	Sheave - Mower Drive
49	603413	2	Spring - Extension
50	603497	2	Idler Pulley
51	803016	2	3/8-16 x 1 Whizlock Bolt G5
52	804257	2	3/8-16 Hex Nyloc Nut Flated
53	805260	2	3/8 Std. Flatwasher
54	513034	4	Bearing - Pivot
55	602604	1	Idler Arm Assy w/Bearings
	602591	1	Arm Weldment - Deck Idler
56	603384	2	Bushing - Idler Pivot
57	602865	1	Idler Arm Assy Deck Drive w/Bearings
	602867	1	Arm Weldment Deck Drive Idler
58	811008	2	Zerk - 1/4-28 x 90°
59	800297	2	3/8-16 x 2-1/4 Hx Hd Cpscrew G5
60	603540	2	Link - Rear Deck Support
61	803031	2	3/8-24 Torque Nut
62	603299	6	Roller - Anti Scalp
63	800807	6	3/8-16 x 4.00 HHCS Gr. 8
64	603602	6	Bushing - Roller
65	603620	1	Bracket - Spring Anchor
66	800805	2	38-16 x 3.5 Gr. 8 HH Cpscrew
67	603496	1	Bushing - Idler
68	543678	4	Wingnut - Nylon Insert
69	513791	1	Bushing
70	603494	1	Spacer
71	800302	1	3/8-16 x 4 HHCS
72	603001	2	Rod - Deck Support
73	806332	2	Rollpin 1/4 x 1-1/2
74	805259	4	Washer - Flat
75	800270	17	5/16-18 x 5/8 HHCS
76	809001	17	5/16-18 Whizlock Nut
77	602911	2	Baffle Weldment
78	602913	1	Baffle Weldment

* Requires installation of Micro-Mulch assembly for proper mulching.

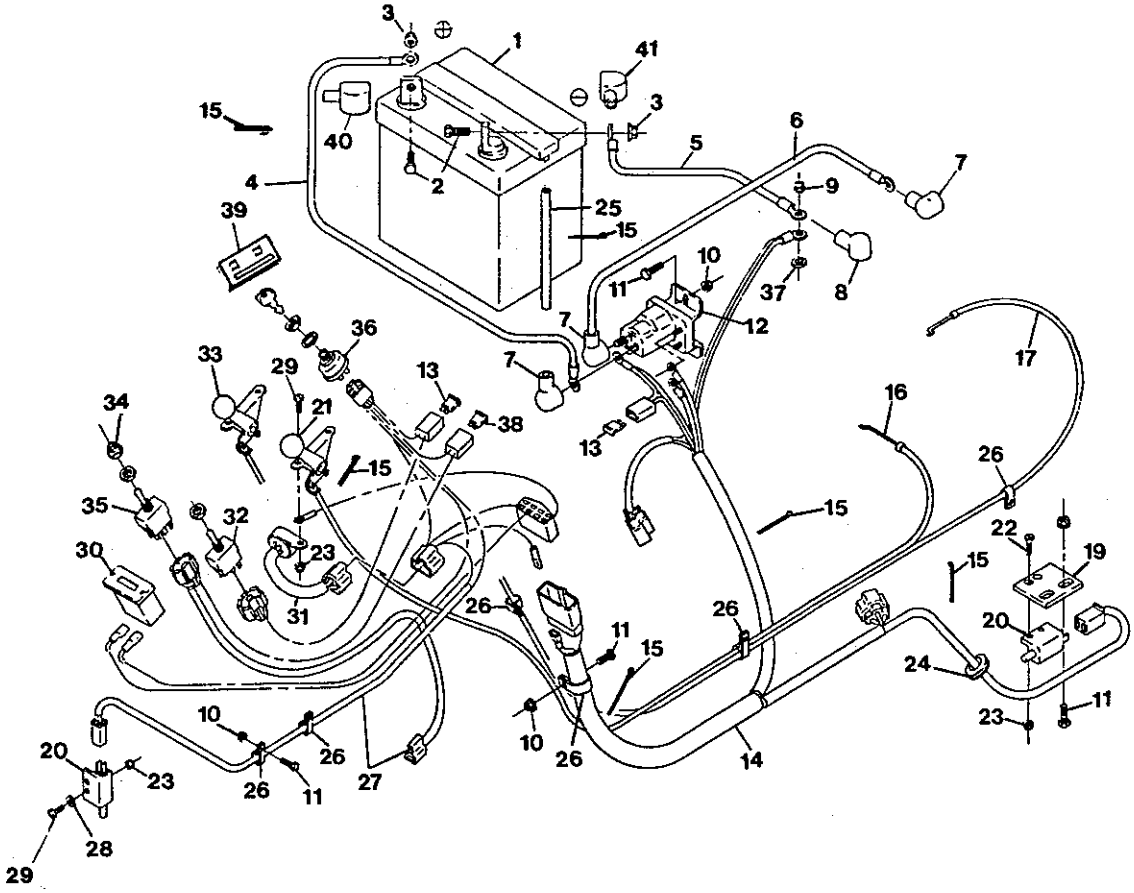


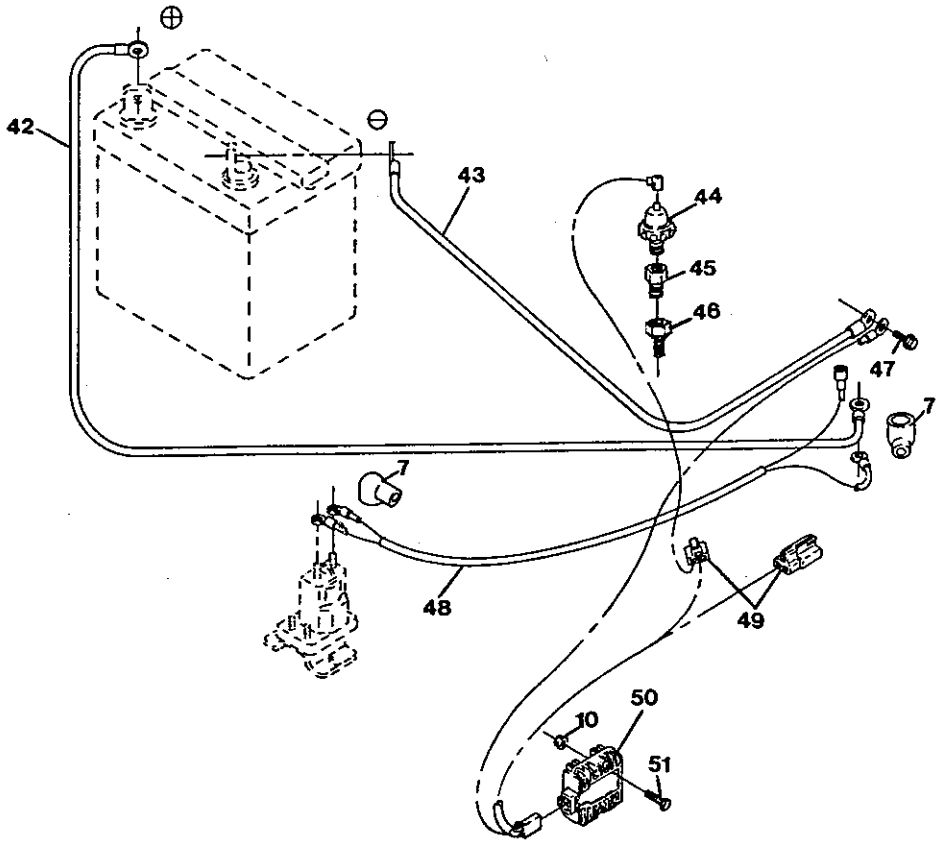
60" MOWER DECK

KEY	PART #	QTY.	DESCRIPTION
1	602593	1	Support Wldmt, Dk. Pltd.
2	800292	12	3/8-16 x 1 HH Capscrew
3	303327	20	3/8 Disc Spring Washer
4	809007	22	3/8-16 Flange Hex Nut
5	806006	2	5/8" Hairpin
6	303164	2	Blade Driver Spacer
7	806007	2	7/8" Hairpin
8	513338	2	Washer
9	513336	2	Bshing, Deck Support
10	808507	2	Ring, Ext. Retaining
11	373034	9	Washer, Pivot
12	303514	4	Flange Thrust Bearing
13	811001	2	1/8 NPT Straight Zerk
14	522143	2	Weld Assy - Caster Front
15	800334	2	Screw - 1/2-13 x 6 HHC-5
16	805008	2	1/2 Reg Spring Lockwasher
17	804509	2	1/2-13 Reg Hex Nut
18	513547	2	Spacer, Front Caster
19	513648	2	9 x 3.50-4 W & T Assy.
	513807	2	Wheel
	513808	2	Tire 9 x 3.50-4
	513809	2	Bearing
	513810	4	Bushing
20	543584	1	Cover, Deck Drive Belt
21	805259	10	Washer, Flat - 3/8
22	543678	10	Wingnut - Nylon Insert
23	513291	2	Bumper, Seat
24	542588	2	Cover, Decfk Wldmt. - Pltd.
25	603045	1	Belt - Blade Drive
26	811006	3	Zerk, 1/4-28 Strt.
27	804510	3	5/8-18 UNF Hex Nut
28	513208	3	Spring, Disc
29	513207	3	Sheave, Blade Drive
30	303057	6	Bearing, Ball 305K
31	513186	3	Housing, Bearing
32	513188	3	Spacer, Bearing
33	513193	3	Seal, Mech. Dust
34	808506	3	Snap Ring, 2.59 x 08 TK
35	807006	4	#61 Woodruff Key
36	603031	2	Spindle - Outer Blade
	604262	2	Outer Housing - Complete
37	603022	1	Spindle - Center Blade
	604261	1	Center Housing - Complete
38	603283	3	Blade - 20.5 Diameter
	603661	3	Blade - Low Lift
	603874	3	Blade - Mulching*

KEY	PART #	QTY.	DESCRIPTION
39	513435	3	Washer, Spring Disc 1/2
40	800531	3	1/2-20 x 1 HHCS RH
41	809035	18	Bolt - 3/8-16 x 1.0 Tap
42	811008	2	Zerk - 1/4-28 x 90°
43	800805	2	3/8-16 x 3.5 Hx Hd Capscrew
44	800297	1	3/8-16 x 2-1/4 Hx Hd Capscrew
45	513787	1	Pulley - V-Idler
46	513034	4	Bearing Pivot
47	805260	2	3/8 Standard Flat Washer
48	803016	2	Bolt - 3/8-16 x 1 Whizlock
49	603496	1	Bushing - Idler
50	602867	1	Arm Weld - Dk. Dr. Idler
	602865	1	Idler Arm Assy w/Bearings
51	602591	1	Arm Weld - Dk. Idler Arm
	602604	1	Idler Arm Assy w/Bearings
52	603384	2	Bushing - Idler Pivot
53	603504	1	Spacer - Tuber
54	603050	1	Bushing - Spacer Pltd.
55	603413	2	Spring
56	805006	2	3/8 Heavy Spring Lockwasher
57	603540	2	Link, Rear Deck Support
58	803031	2	3/8-24 Torque Nut
59	804257	2	3/8-16 Hex Nyloc Nut
60	602936	1	Weld Assy - 60" Deck
61	603602	6	Bushing - Roller
62	603299	6	Roller - Anti Scalp
63	800807	6	Capscrew 3/8-16 x 4.00 G8
64	542606	1	Chute Wldmt., Discharge
65	800273	2	5/16-18 x 1 HH Capscrew
66	804256	2	5/16-18 Nyloc Hex Nut
67	800031	2	3/8-16 x 2-3/4 HHTB
68	603805	1	Idler
69	800297	1	3/8-16 x 2-1/4 HH Capscrew
70	603497	2	Idler - 4" Flat
71	603410	1	Sheave - Mower Drive
72	513791	1	Bushing
73	603494	1	Spacer
74	800302	1	3/8-16 x 4 HHCS
75	603001	2	Rod - Deck Support
76	806332	2	Rollpin 1/4 x 1-1/2
77	603620	1	Brkt - Spring Anchor
78	800270	17	5/16-18 x 5/8 HHCS
79	809001	17	5/16-18 Whizlock Nut
80	602911	2	Baffle Weldment
81	602913	1	Baffle Weldment

* Requires installation of Micro-Mulch assembly for proper mulching.

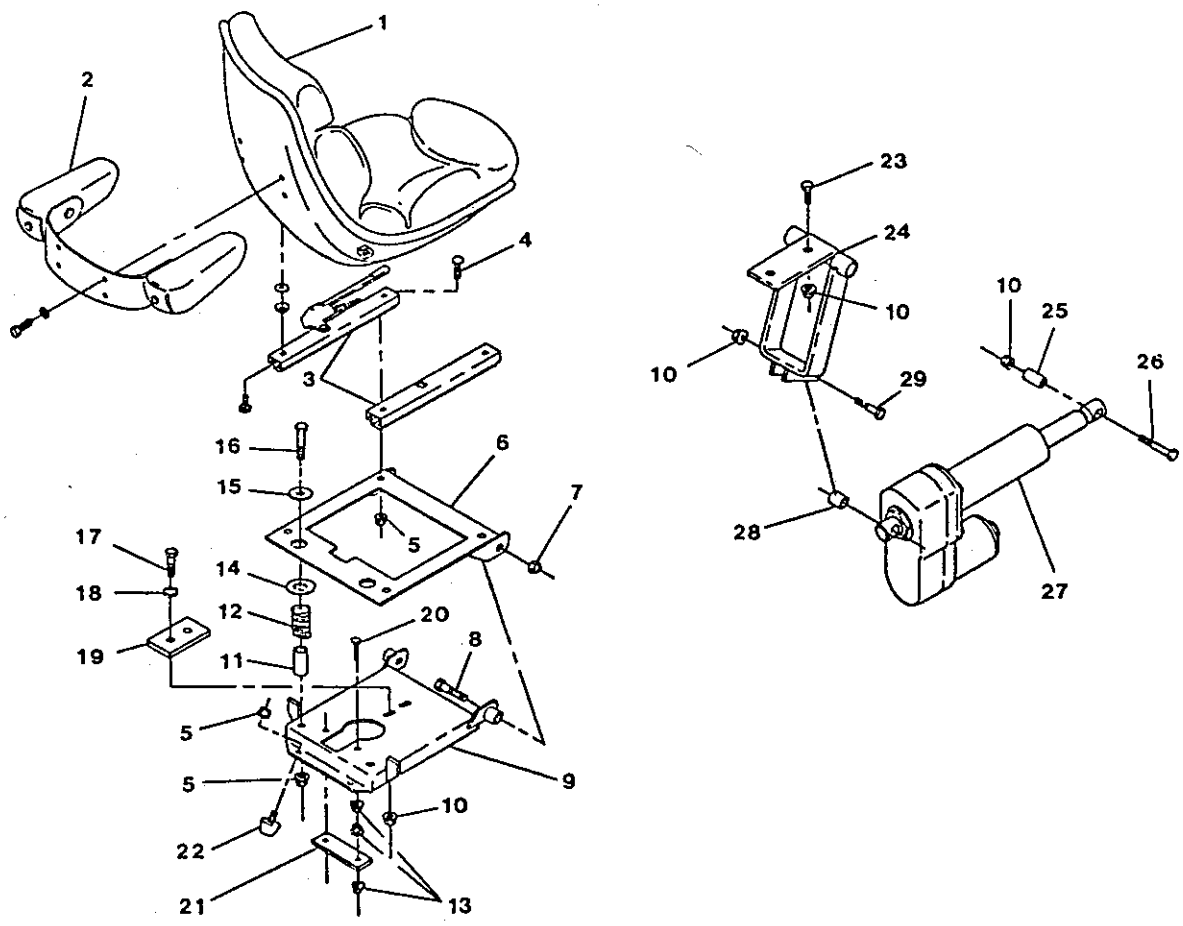

3
1
41
15
40
3
6
5
7
4
2
9
25
39
15
10
11
37
8
12
7
36
17
33
29
13
7
16
34
21
38
13
26
15
35
32
22
19
30
23
15
20
31
26
11
26
24
10
26
23
11
20
23
26
27
14
29
28


42
43
44
45
46
47
7
7
48
49
50
10
51

KOHLER & 17 HP KAW. ELECTRICAL

KEY	PART #	QTY.	DESCRIPTION
1	603479	1	12 Volt Battery
2	800271	2	5/16-18 x 3/4 HH Capscrew
3	809001	2	5/16-18 Whizlock Nut
4	543766	1	Wire - (+) Battery (Kohler)
5	513056	1	Wire - Ground (Kohler)
6	513582	1	Starter Wire (Kohler)
7	543393	3	Insulator, Solenoid +
8	543392	1	Insulator, Solenoid -
9	804256	1	5/16-18 Nyloc Nut
10	809012	10	1/4-20 Whizlock Nut (Kohler)
		12	1/4-20 Whizlock Nut (Kaw.)
11	800251	10	1/4-20 x 5/8 HH Capscrew
12	513075	1	Switch 12 V Solenoid
13	816001	2	Fuse - Blade 20 AMP
14	543769	1	Harness - Wire Engine
15	303287	6	Plastic Tie 5.5 x .0044 x .1 (Small)
16	543697	1	Cable Throttle (Kohler)
	323139	1	Cable Throttle (Kaw.) w/Choke
17	543696	1	Cable Choke (Kohler)
18	303335	2	Large Tie
19	323128	1	Brkt - Safety Switch
20	513051	2	Switch, Neutral Lockout
21	513592	1	Knob - Red Ball
22	803017	2	Machine Screw - 10-24 x .63 Ctr.
23	804252	8	#10-24 Nyloc Hex Nut
24	543296	1	Grommet
25	809040	23"	Hose-Battery Mnifld.
26	513762	6	Clip - .50" Loom

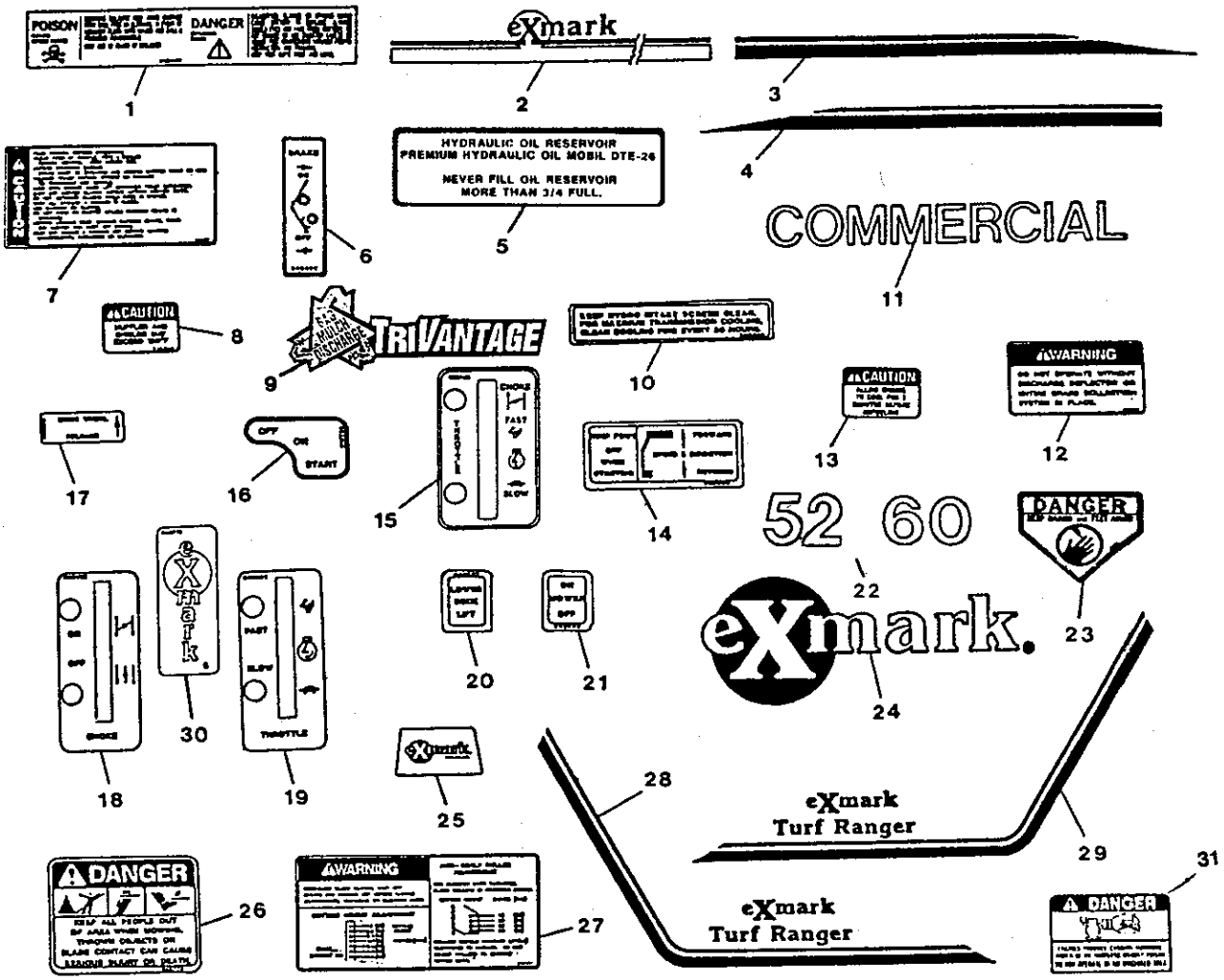
KEY	PART #	QTY.	DESCRIPTION
27	543037	1	Harness - Wire Rider
28	805252	2	Standard Flat Washer .219
29	801039	6	#10-24 x 5/8 Sltd. Machine
30	513374	1	Meter, Engine Hours
31	513579	1	Module - Safety Interlock (Kohler)
	603625	1	Module - Safety Interlock (Kaw.)
32	543018	1	Switch, Toggle w/Cupped Terminal
33	513593	1	Knob - Black Ball
34	543386	1	Boot, Toggle Switch
35	543385	1	Switch, Toggle DPDT
36	513194	1	Ignition Switch
37	805506	1	5/16 Internal Tooth Lockwasher
38	816003	1	Fuse - Blade 30 AMP
39	543974	1	Plate - Throttle (Kohler)
40	543391	1	Insulator - Battery Positive
41	543390	1	Insulator - Battery Negative
42	543994	1	Wire - (+) Battery (Kaw.)
43	543767	1	Wire - Ground (Kawasaki)
44	603645	1	Switch - Oil Pressure (Kaw.)
45	603626	1	Adapter - 1/8 NPT Ma/Fe (Kaw.)
46	603635	1	Adapter - Oil Switch (Kaw.)
47	809026	1	M8 x 1.25 x 16 mm HH Capscrew (Kawasaki)
48	543971	1	Harness - Starter (Kaw.)
49	542992-P	1	Harness - 17 HP Kawasaki
50		1	Voltage Regulator - Kaw. No. 21066-2056
51	800254	2	1/4-20 x 1 HH Capscrew (Kaw.)



SEAT ASSEMBLY AND LIFT ACTUATOR

KEY	PART #	QTY.	DESCRIPTION
1	513147	1	Seat
2	513149	1	Kit - Armrest (Optional)
3	543368	1	Slide, Seat Fore/Aft
4	807503	4	5/16-18 x 3/4 Carr. SSN
5	809001	8	5/16-18 Whizlock Nut
6	542494	1	Plate Wldmt - Seat Mnt
7	804257	4	3/8-16 Nyloc Hex Nut
8	800296	2	3/8-16 x 2 HHCS
9	542951	1	Plate Wldmt - Seat
10	809007	4	Nut - 3/8-16 Flng Hex
11	513479	2	Bushing, Spring Guide
12	513296	2	Spring, Reverse Indicator
13	809012	6	1/4-20 Whizlock Nut
14	805264	2	1/2 Std Flat Washer

KEY	PART #	QTY.	DESCRIPTION
15	213069	2	Strut - Adjustment Spacer
16	800278	2	5/16-18 x 2-1/4 HH Capscrew
17	800294	2	3/8-16 x 1-1/2 Capscrew
18	303327	2	3/8 Disc Spring Washer
19	543500	1	Support, Seat Plate
20	800007	2	1/4-20 x 1-1/4 HH Tap Screw
21	543953	1	Strap - Switch Engagement
22	543963	2	Bumper - Rubber
23	800290	2	3/8-16 x 3/4 HH Capscrew
24	542868	1	Pivot Weldment - Actuator
25	543186	1	Spacer - Electric Lift
26	800299	1	3/8-16 x 2-3/4 HHCS
27	543361	1	Actuator, Linear
28	543708	1	Spacer - Rear
29	800297	1	3/8-16 x 2-1/4 HHCS



DECALS

KEY	PART #	QTY.	DESCRIPTION
1	513747	1	Decal - Battery
2	543782	1	Center Exmark Stripe - 60"
	603623	1	Center Exmark Stripe - 52"
3	543781	1	RH Exmark Stripe
4	543780	1	LH Exmark Stripe
5	543949	1	Decal - Hydro Tank
6	543622	1	Decal - Brake Lever
7	543628	1	Decal - Instructional
8	513746	1	Decal - Muffler
9	303520	1	Decal - Tri-Vantage
10	543620	1	Decal - Intake
11	543663	1	Decal - Commercial
12	543659	1	Decal - Discharge Warning
13	303293	1	Decal - 2 Minute Warning
14	543624	1	Decal - Foot Pedal
15	603646	1	Decal - Throttle (Kawasaki)

KEY	PART #	QTY.	DESCRIPTION
16	513739	1	Ignition Decal
17	513743	1	Decal - Release
18	543630	1	Decal - Choke (Kohler)
19	543631	1	Decal - Throttle (Kohler)
20	543627	1	Decal - Deck Lift
21	543626	1	Decal - Mower Switch
22	543664	1	Decal - 60
	603622	1	Decal - 52
23	403005	2	Danger Label
24	543788	1	Decal - Exmark Large
25	513756	1	Decal - Steering Column
26	543774	1	Decal - Danger
27	543660	1	Decal - Mower Deck
28	543632	1	Decal - LH Console
29	543633	1	Decal - RH Console
30	543975	1	Decal - Choke Cover (Kaw.)
31	303481	1	Decal - Carbon Monoxide

15. Stop the engine:
    a) Whenever you leave the mower
    b) Before removing the grasscatcher
    c) Before refueling
    d) Before making height adjustments
    e) Before clearing blockages.
16. Reduce the throttle setting during engine run-out and, if the engine is provided with shut-off valve, turn the fuel off at the conclusion of mowing.

CAUTION

Although hazard control and accident prevention partially are dependent upon the design and configuration of the equipment, these factors are also dependent upon the awareness, concern, prudence, and proper training of the personnel involved in the operation, transport, maintenance and storage of the equipment. It is essential that all operator safety mechanisms be connected and in operating condition prior to use for mowing.

Maintenance and Storage

1. Precisely follow the engine manufacturer's recommendations for maintenance.
2. If carburetor adjustment is necessary, stand to one side and keep feet and hands clear while making adjustments.
3. Keep engine free from accumulation of grass, leaves or excessive grease. An accumulation of these combustible materials may result in a fire.
4. Store gasoline in a safe container in a cool, dry place.
5. Keep the mower and fuel container in locked storage to prevent children from playing or tampering with them.
6. Maximum mowing results and safety can only be achieved if the mower is maintained and operated correctly.
7. Gasoline powered equipment or fuel containers should not be stored in a basement or any closed area, where heat appliances or open pilot lights are present, unless completely drained of fuel.
8. Check mower cutter blade and engine mounting bolts frequently to maintain proper tightness.
9. Check grass catcher bag frequently for wear or deterioration. Replace worn bags. Check that replacement bags comply with original manufacturer's recommendations or specifications.
10. Pro Lock (retaining 1, maximum strength) is used on both pulleys on engine shaft and on blade spindle pulleys. Pro Lock (nut type, medium strength) is used on all set screws on Exmark Mowers.

CAUTION

FAILURE TO FOLLOW CAUTIOUS OPERATING PRACTICES CAN RESULT IN SERIOUS OPERATOR INJURY.

BE CAREFUL

1. Keep all shields in place, especially grass discharge guard.
2. Stop engine and remove spark plug wire to adjust or service.
3. When mower mechanism becomes clogged, stop engine before cleaning.
4. Keep hands, feet, and clothing away from power-driven parts.
5. Keep off mower unless seat or platform is provided.
6. Keep others off mower.

Exmark reserves the right to make changes or add improvements to its products at any time without incurring any obligation to make such changes to products manufactured previously. Exmark, or its distributors and dealers, accept no responsibility for variations which may be evident in the actual specifications of its products and the statements and descriptions contained in this publication.

NOTES

SEE EXMARK'S COMPLETE LINE OF PRODUCTS FOR TURF CARE

EXPLORER

TURF RANGER

TURF TRACER

TURF TRACER HYDRO

INTERMEDIATES

STEERABLE SULKY

SULKY

TURF RAKE

BAGGERS

EXMARK MFG. CO., INC.
INDUSTRIAL PARK BOX 808
402/223-4010

PART #850206
BEATRICE, NE 68310
FAX 402/223-4154

ALL RIGHTS RESERVED

PRINTED IN U.S.A.

exmark MFG. CO. INC.