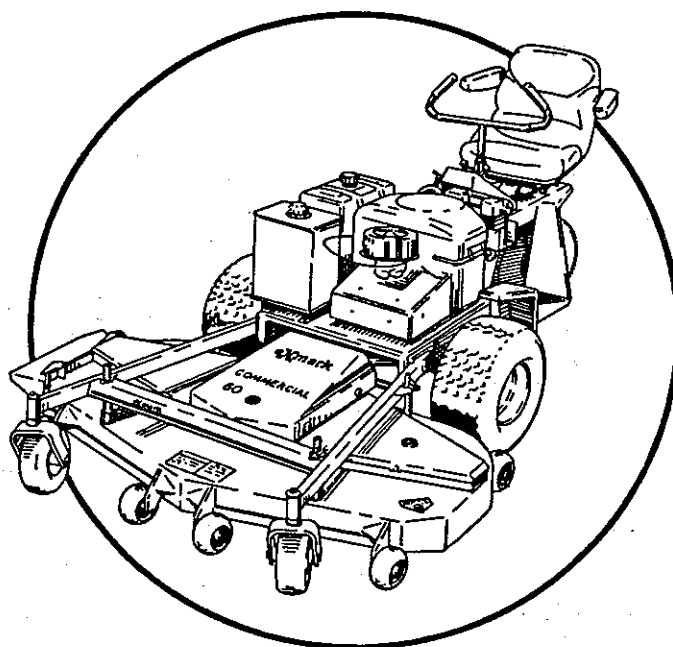


For Serial Nos.
84,000 & Higher



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

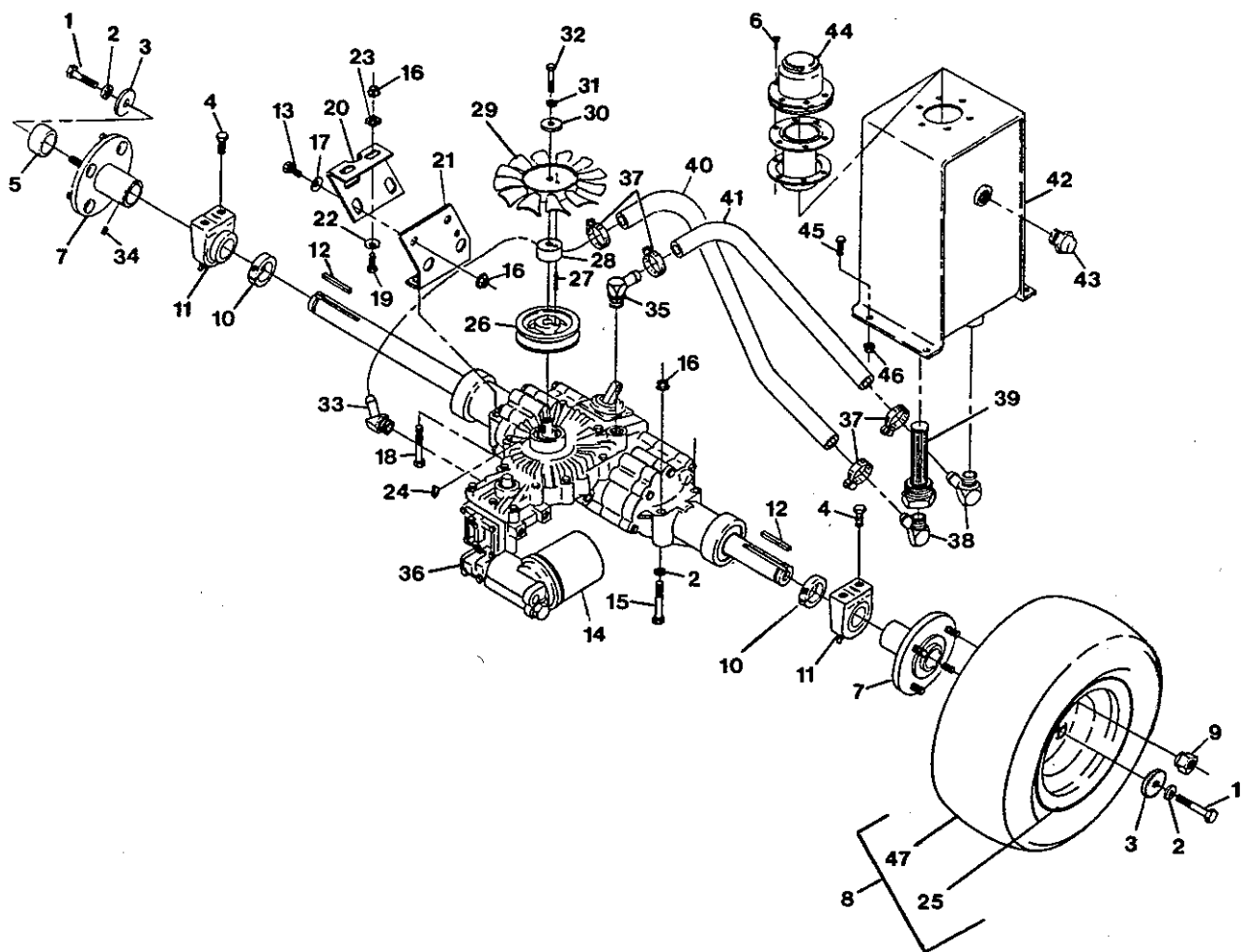
1. Regard the Exmark mower as a piece of power equipment and teach this regard to all who operate this unit.
2. Read the instructions carefully. Be familiar with the controls and the proper use of the equipment.
3. Never allow children, young teenagers, or people unfamiliar with these instructions to 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 sandals.
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).



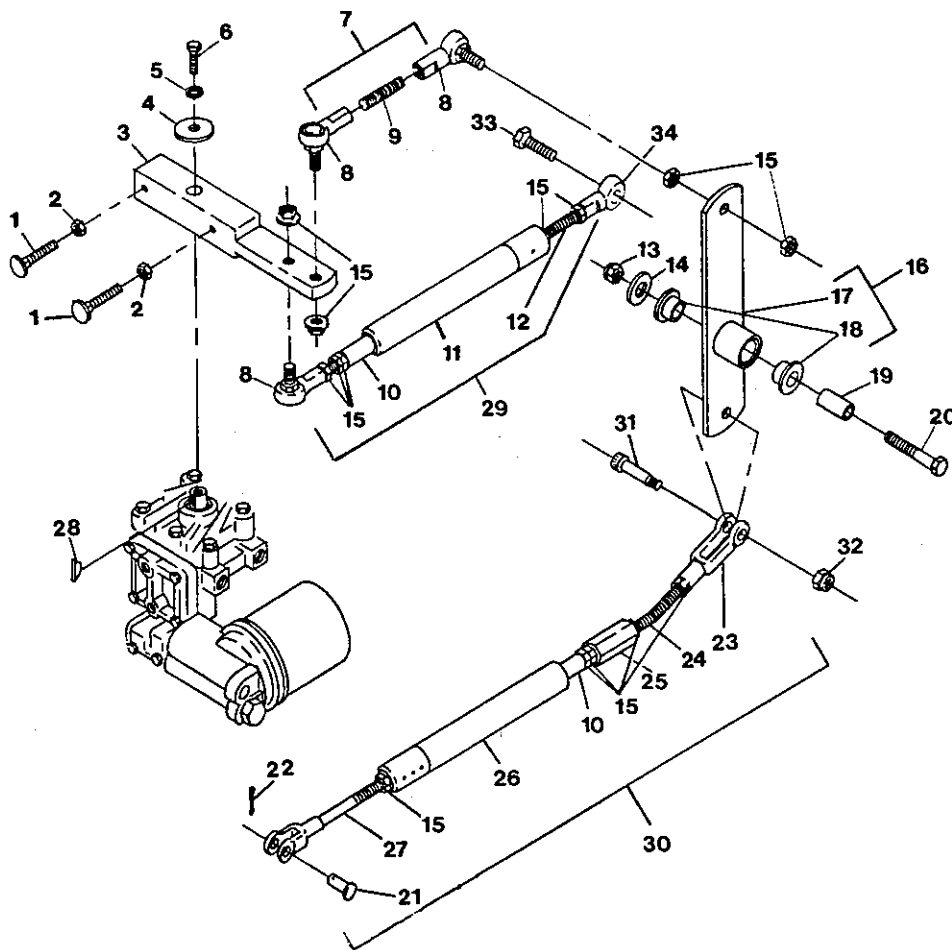
AXLE AND HYDRAULICS

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. Ctng. Screw
7.....543039.....	2.....Hub, 4 Bolt
543807.....	8.....Hub Bolt
8.....543396.....	2.....T/W Assy - 20.0 x 10.0-B
9.....513011.....	8.....1/2-20 Wheel Nut
10.....373021.....	2.....1" Clamp Collar
11.....543485.....	2.....Bearing - Tpd Bse Plw
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.....	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.....542812.....	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.....Tire
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.....543748.....	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 Widmt 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



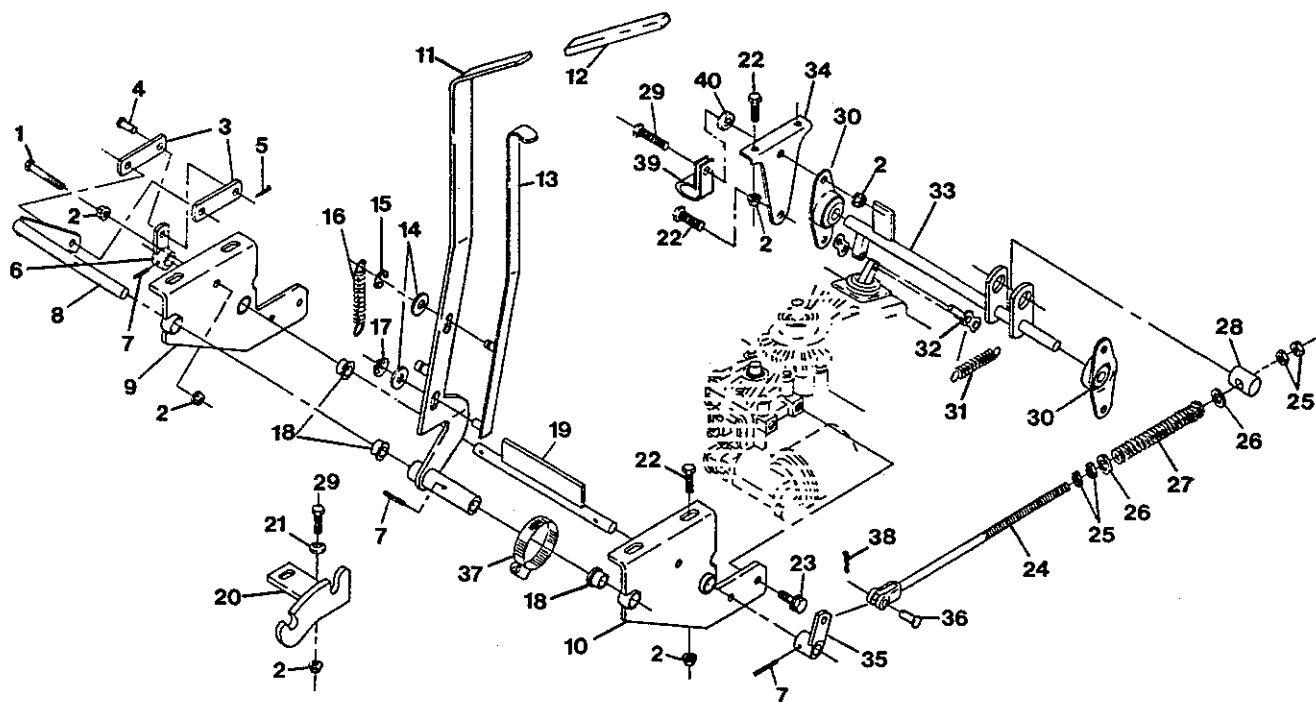
MOTION CONTROLS

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 Wdmt - 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 Wdmt - 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 Wdmt, 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



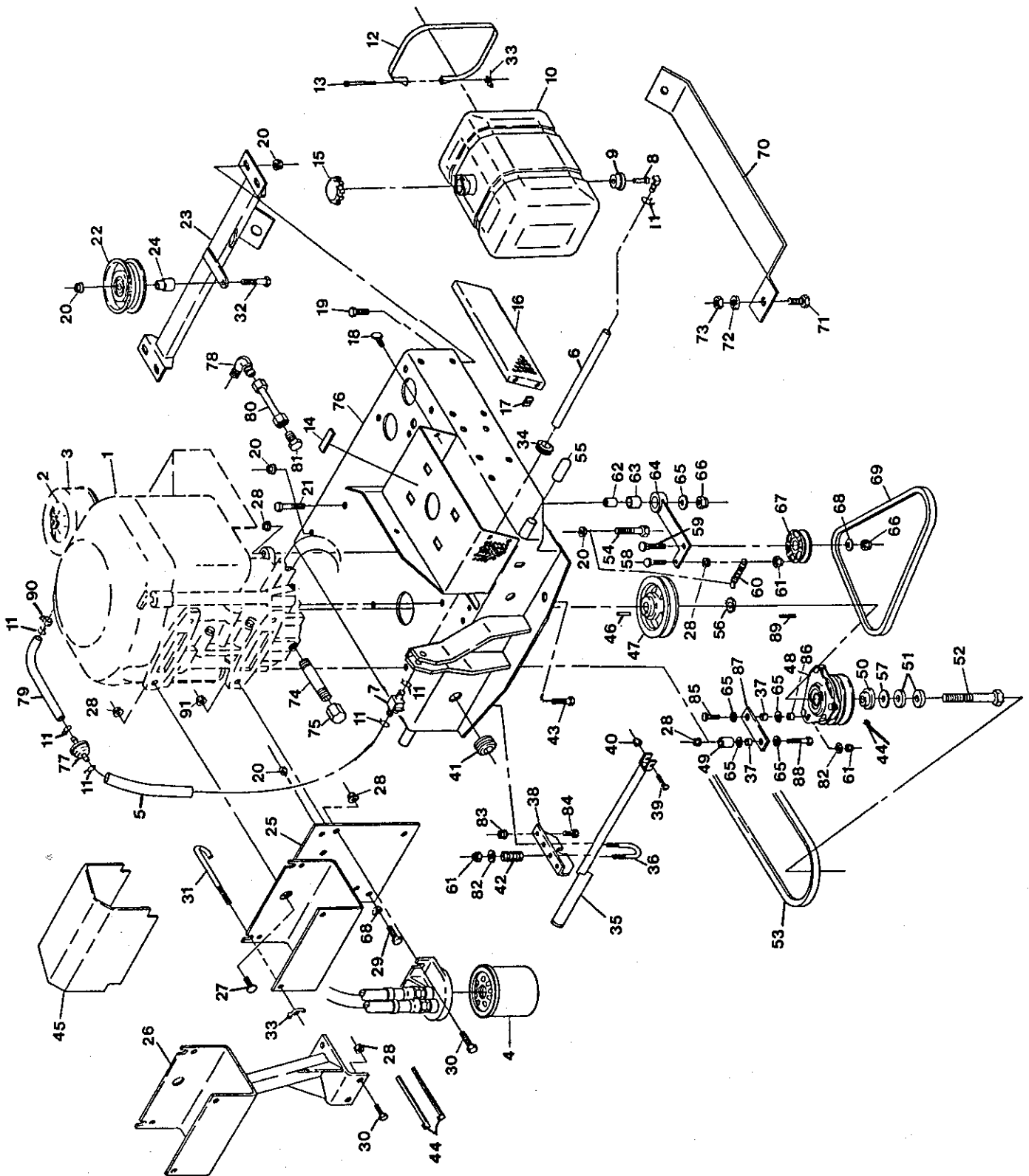
PARKING BRAKE

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 Widmt - Btrfly Ctr
7.....	806328.....	3.....	Roll Pin - 7/32 x 7/8
8.....	542190.....	1.....	Pivot Widmt - Brake Lever
9.....	542924.....	1.....	Supt. Widmt - Trans LH
10.....	542926.....	1.....	Supt. Widmt - Trans RH
11.....	542192.....	1.....	Handle Widmt - Brake
12.....	303020.....	1.....	Grip (Adj. Lever)
13.....	542719.....	1.....	Triggr Widmt - 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 Widmt
20.....	542900.....	1.....	Quadrant Widmt - 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 Widmt - Brk
34.....	543138.....	1.....	Mount - Jackshaft Brg.
35.....	542121.....	1.....	Arm Widmt - 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
2.....	1.....	Engine - 20 hp Kohler
3.....	1.....	Engine - 17 hp Kaw.
4.....	1.....	Air Filter - Kohler #45-083-02
5.....	1.....	Air Filter - Kawasaki #11013-2098
6.....	1.....	Foam Precleaner, Kohler #45-083-01
7.....	1.....	Foam Precleaner, Kawasaki #11013-2097
8.....	1.....	Oil Filter - Kohler #52-050-02
9.....	1.....	Oil Filter - Kawasaki #49065-2071
10.....	1.....	Fuel Line - (Kohler)
11.....	1.....	Fuel Line - (Kawasaki)
12.....	1.....	Fuel Line
13.....	1.....	Valve - Fuel Line
14.....	1.....	Elbow - Fuel Tank w/So
15.....	1.....	Bushing, Fuel Valve
16.....	1.....	Tank, Gas
17.....	6.....	Clamp - Gas Line (Kohler)
18.....	5.....	Clamp - Gas Line (Kaw.)
19.....	2.....	Strap, Fuel Tank
20.....	2.....	Machine Screw 1/4-20 x 2
21.....	2.....	Gas Tank Pad
22.....	1.....	Cap - Fuel Tank
23.....	1.....	Screen - Air Intake
24.....	3.....	1/4-20 Nut Retainer
25.....	3.....	Screw - Heavy Thumb
26.....	4.....	3/8-16 x 3/4 Capscrew
27.....	9.....	Nut - 3/8-16 Flng Hex (Kohler)
28.....	13.....	Nut - 3/8-16 Flng Hex (Kawasaki)
29.....	1.....	3/8-16 x 2 HH Capscrew
30.....	1.....	Pulley, Idler 5/3/4 OD
31.....	1.....	Cross Member Widmt
32.....	1.....	Bushing, Idler
33.....	1.....	Mount Widmt - Battery (Kohler)
34.....	1.....	Mount Widmt - Battery (Kaw.)
35.....	1.....	5/16-18 x 1 Carr. SSN (Kohler)

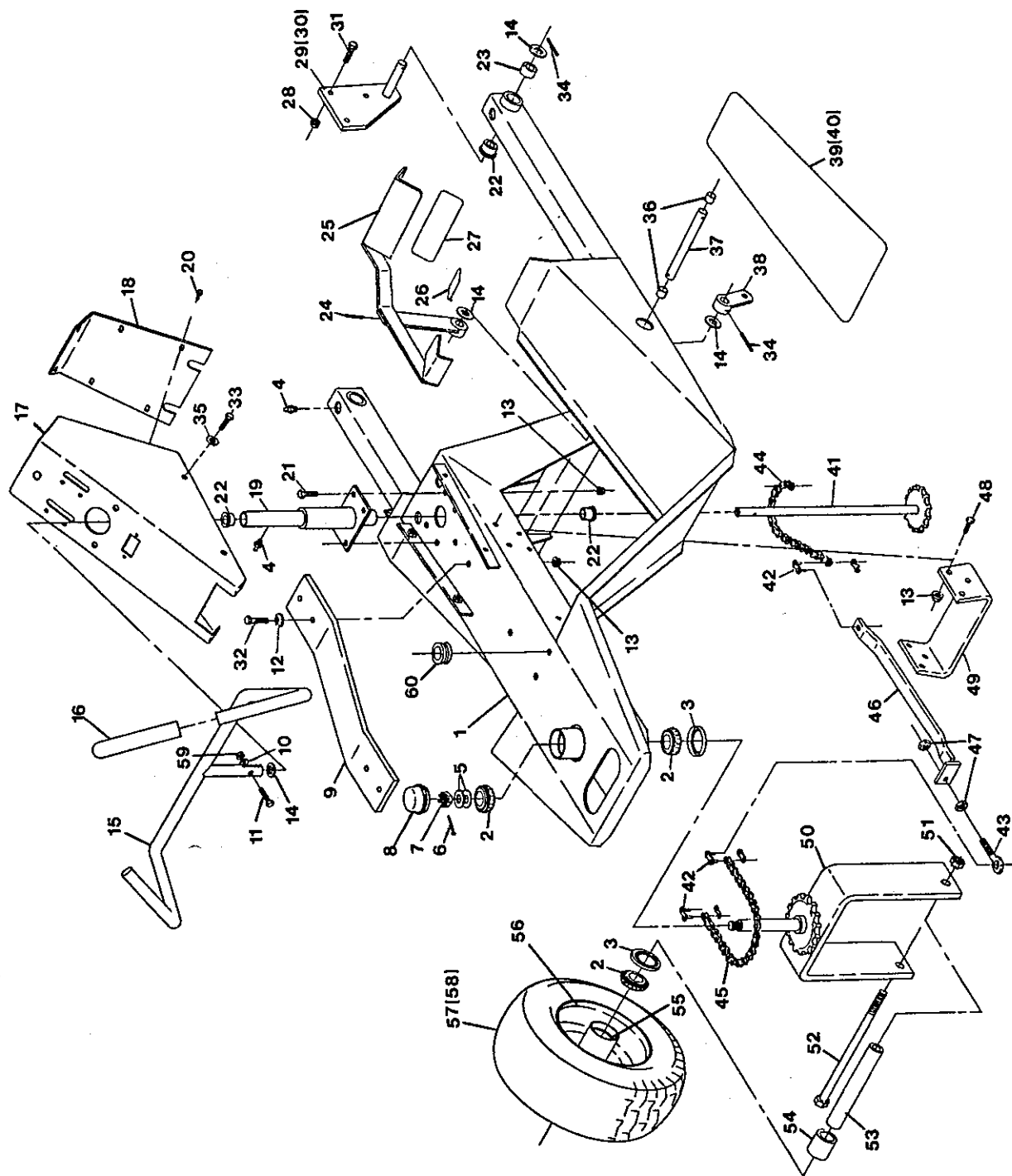
KEY PART # QTY. DESCRIPTION

28.....	809001.....	9.....	5/16-18 Whizlock Nut (Kohler)
29.....	800292.....	3.....	3/8-16 x 1 HH Capscrew (Kohler)
30.....	800271.....	2.....	5/16-18 x 3/4 HH Capscrew (Kohler)
31.....	543882.....	2.....	Bolt - Hold Down
32.....	800297.....	1.....	3/8-16 x 2-1/4 Hex Hd Capscrew
33.....	543792.....	4.....	Wingnut - Nylon 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.....	Bkt - Nut Lever
39.....	801056.....	1.....	Screw - 12-24 x 1.38 St
40.....	804254.....	1.....	Nut - 12-24 Nylon Hex
41.....	543286.....	1.....	Grommet
42.....	303160.....	2.....	Compression Spring
43.....	800275.....	3.....	5/16-18 x 1-1/2 HH Capscrew (Kohler)
44.....	809018.....	3.....	M8 x 1.25 x 33 mm HH Capscrew (Kawasaki)
45.....	303335.....	3.....	Plastic Tie - Large
46.....	543891.....	1.....	Battery Cover
47.....	807264.....	1.....	Key - 1/4 x 1/4 x 2-5/8 Mach (17 Kawasaki & 18 Kohler)
48.....	807010.....	1.....	3/4 x 1/4 #91 Woodruff Key (20 hp Kohler)
49.....	543929.....	1.....	Pulley - Engine (18 Kohler & 17 Kawasaki)
50.....	543959.....	1.....	Pulley - Engine (20 hp Kohler)
51.....	543860.....	1.....	Clutch, Electric (Ogura)
52.....	323037.....	1.....	Slide Spacer
53.....	543965.....	1.....	Bushing - Clutch Keeper
54.....	603610.....	2.....	7/16 Spring Disc Washer
55.....	800820.....	1.....	Capscrew - 7/16-20 x 3 HH (Kohler)
56.....	809055.....	1.....	M10 x 1.5 x 80 mm HH Capscrew (Kawasaki)
57.....	543521.....	1.....	Belt - Deck Drive (50" Deck)
58.....	543028.....	1.....	Belt - Deck Drive (52" Deck)

KEY PART # QTY. DESCRIPTION

59.....	800295.....	1.....	3/8-16 x 1-3/4 HH Capscrew
60.....	303021.....	2.....	Grip (Drive Lever)
61.....	543962.....	1.....	Washer - Clutch (20 hp Kohler)
62.....	373034.....	1.....	Washer - Pivot
63.....	807518.....	1.....	Bolt - 3/16 x 1.25 Car
64.....	807517.....	1.....	Bolt - 3/8-16 x 1-3/4
65.....	513170.....	1.....	Spring
66.....	804256.....	4.....	5/16-18 Nylon Hex Nut
67.....	543274.....	1.....	Bushing, Steel
68.....	543502.....	1.....	Bushing, Bronze
69.....	542270.....	1.....	Arm Widmt - Hyd Dr Idlr
70.....	219069.....	5.....	Strut - Adj Spacer
71.....	804257.....	2.....	3/8-16 Nylon Hex Nut
72.....	543008.....	1.....	Pulley - Idler, Metal
73.....	805260.....	3.....	3/8 Std Flat Washer
74.....	543548.....	1.....	Belt A Trans Drive
75.....	543258.....	1.....	Plate - Skid Painted
76.....	800326.....	2.....	Capscrew - 1/2-13 x 1.25 HH
77.....	805008.....	2.....	1/2 Reg Sprg Lockwasher
78.....	804509.....	2.....	1/2-13 Reg Hex Nut
79.....	543684.....	1.....	Pipe 1/4-18 NPT x 3 (Kohler)
80.....	543685.....	1.....	Cap - 1/4-18 NPT (Kohler)
81.....	542922.....	1.....	Deck Widmt - Engine
82.....	303197.....	1.....	Gas Filter
83.....	553000.....	1.....	Elbow - 90 Deg. 3/8 JIC x 3/8 BSPT (Kawasaki)
84.....	543456.....	1.....	Fuel Line - 21.5
85.....	303022.....	1.....	Fuel Line - 8.5" (Kawasaki)
86.....	552002.....	1.....	Tube Assembly - Oil Drain (Kaw.)
87.....	553001.....	1.....	Plug - 3/8 JIC (Kawasaki)
88.....	805258.....	3.....	5/16 Standard Flatwasher
89.....	809012.....	2.....	Nut, 1/4-20 Whizlock
90.....	800252.....	2.....	1/4-20 x 5/8 HH Capscrew
91.....	800275.....	1.....	5/16-18 x 1-1/2 HH Capscrew
92.....	323093.....	1.....	Spacer
93.....	543004.....	1.....	Anchor - Elec. Clutch, Heavy
94.....	800284.....	1.....	5/16-18 x 4 HH Capscrew (Kohler)
95.....	809061.....	1.....	M8 x 1.25 x 80 mm HH Capscrew (Kawasaki)
96.....	807259.....	1.....	Key - 1/4 x 1/4 x 1 (20HP Kohler)
97.....	303308.....	1.....	Hose Clamp (Kawasaki)
98.....	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.



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 Sirt
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 Flng 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 Slit. 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.....	Bkrt Widmt Pivot RH

KEY PART # QTY. DESCRIPTION

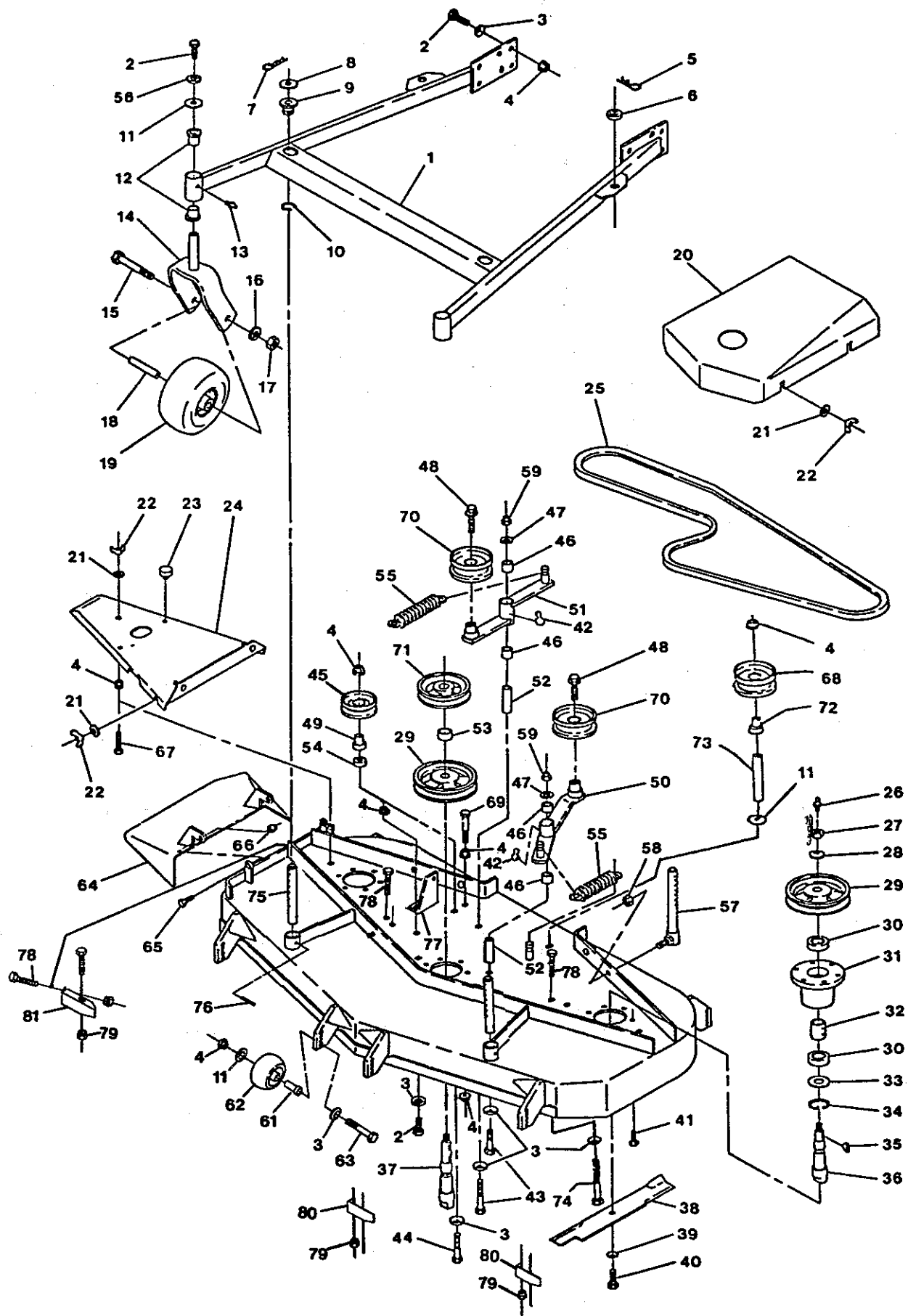
30.....	542194.....	1.....	Bracket, Pivot LH (Not Shown)
31.....	800273.....	5.....	5/16-18 x 1 HH Capscrew
32.....	800293.....	2.....	3/8-16 x 1-1/4 Capscrew
33.....	800251.....	4.....	1/4-20 x 5/8 HH Capscrew
34.....	806332.....	2.....	Rollpin - 1/4 x 1-1/2
35.....	805255.....	4.....	1/4 SAE Flatwasher
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 Pit
54.....	543556.....	2.....	Spacer - Wheel Short Pit
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

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	3/8-16 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

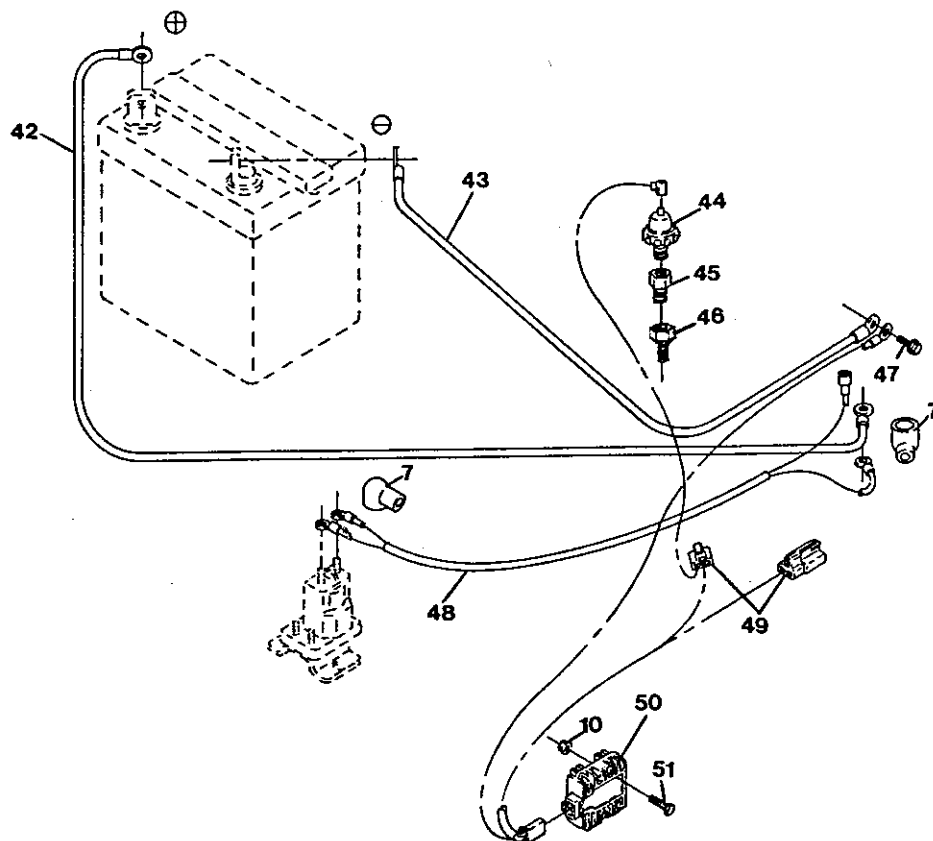
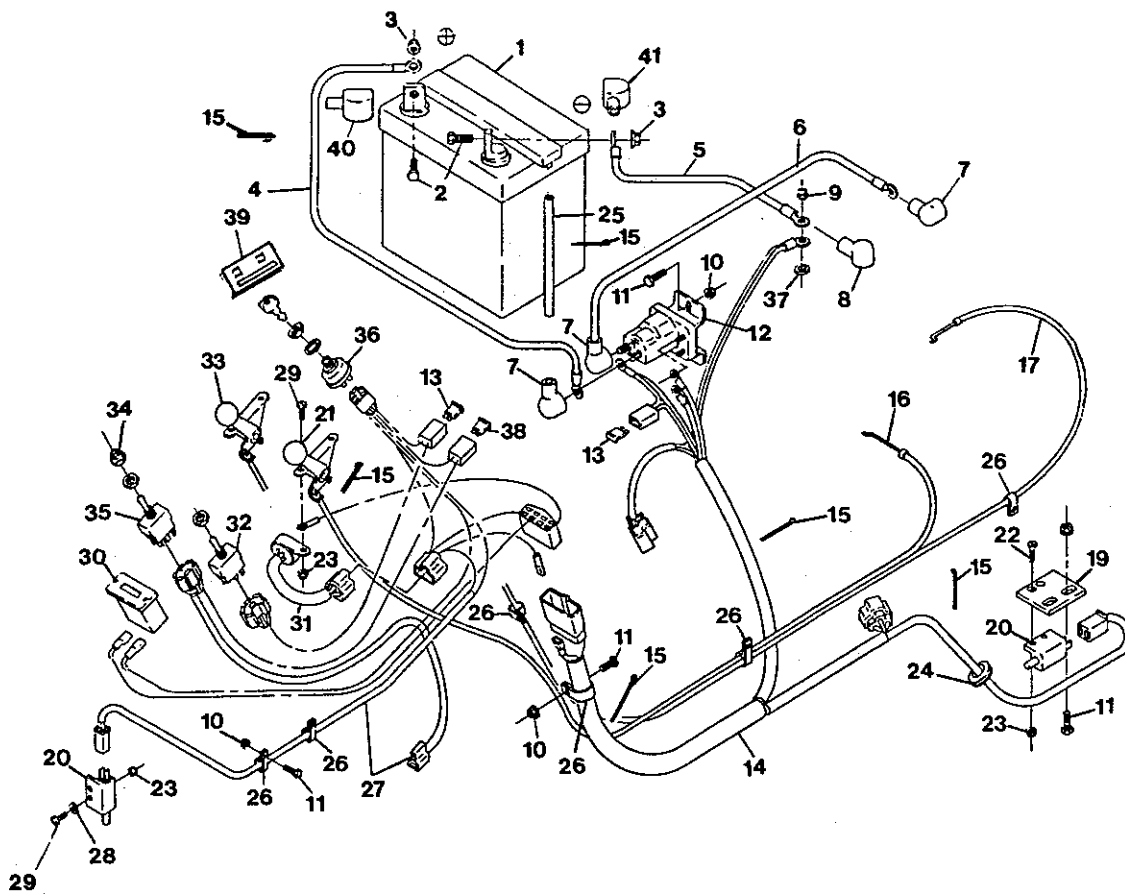
KEY PART # QTY. DESCRIPTION

1.....	602593.....	1.....	Support Wdmt, 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.....	513548.....	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, Deck Wdmt. - 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 Wdmt., 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.



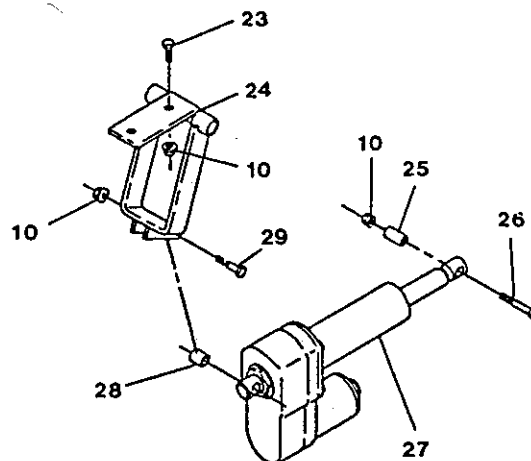
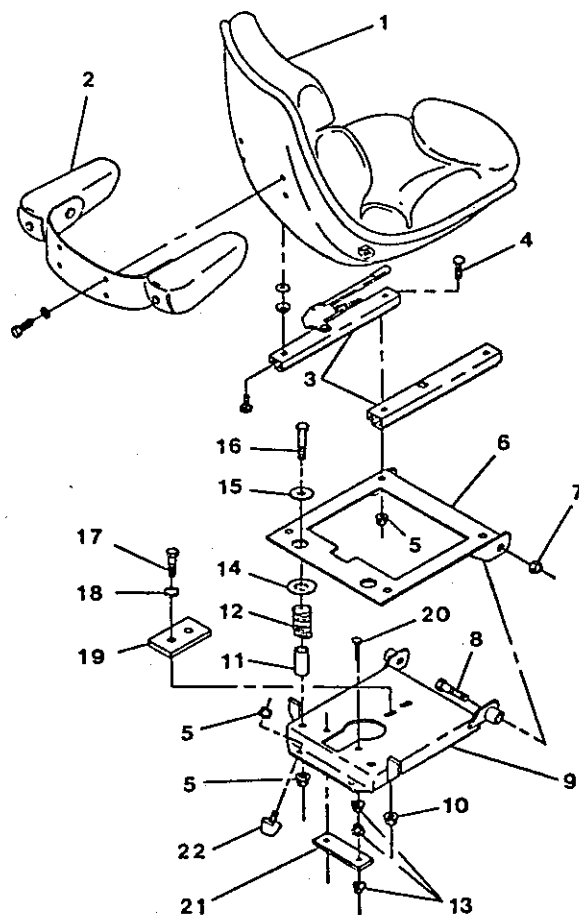
KOHLER & 17 HP KAW. ELECTRICAL

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.)



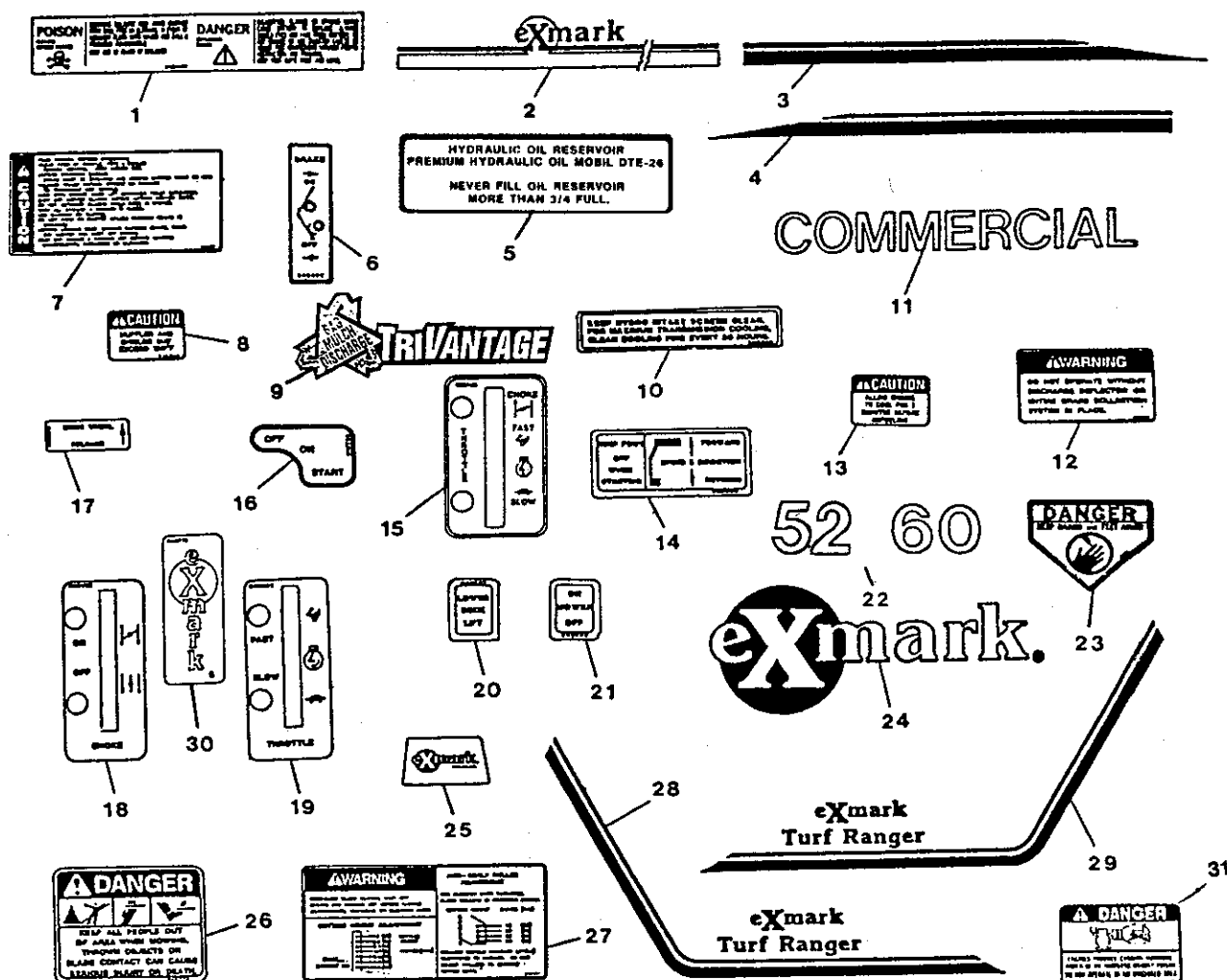
SEAT ASSEMBLY AND LIFT ACTUATOR

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. PART #850206
INDUSTRIAL PARK BOX 808 BEATRICE, NE 68310
402/223-4010 FAX 402/223-4154

ALL RIGHTS RESERVED

PRINTED IN U.S.A.

