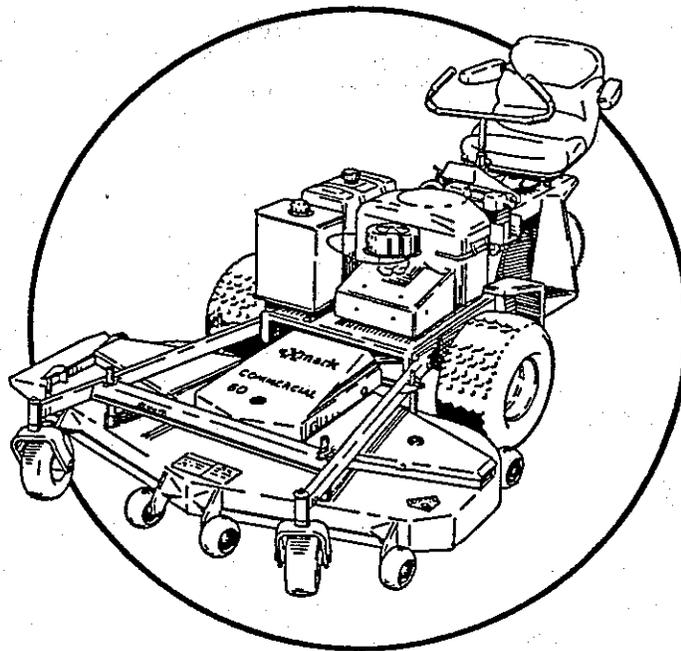


For Serial Nos.  
90,000 & Higher



# 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 \_\_\_\_\_

10. Disengage blade drive before starting.
11. Start the engine carefully with feet well away from the blades.
12. Keep hands, feet and clothing away from rotating parts while the mower is being operated.
13. Stop the engine and remove the ignition key.
  - 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).
  - c) Before clearing blockages.
  - d) Whenever you leave the mower.
  - e) Before refueling.
  - f) Before making height adjustments.
14. Return the throttle control to the idle position for 30 seconds for engine cool down before stopping the engine.
15. The fuel system is provided with a shut-off valve. The fuel shut-off valve is used to shut off the fuel when machine will not be used for a few days, when parking inside a building, or during transport to and from the job.
16. This mower was designed for one operator only. Keep all others off mower during operation.
17. Do not mow without grass deflector or entire grass collection system in place and in proper working condition.
18. Do not operate machine unless all guards, shields and covers are in place and in proper working condition.
19. If jump starting is required, connect positive (+) power cable from booster battery to positive power terminal post on starter solenoid switch. This post has the positive battery cable attached to it. Connect the ground (-) cable from booster battery to any engine deck ground, preferably the engine block.  
Disconnect cables in reverse order after starting.
20. **! 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 or oil. An accumulation of these combustible materials may result in a fire.

4. Store fuel in a container specifically designed for this purpose 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. 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.
7. Maximum mowing results and safety can only be achieved if the mower is properly maintained and operated correctly.
8. Check all bolts frequently to maintain proper tightness.
9. Keep all guards, shields and other safety devices in place and in safe working condition.
10. Check for worn or deteriorating components that could create a hazard.
11. All replacement parts must be the same as or equivalent to the parts supplied as original equipment.

**! CAUTION: HYDRAULIC FLUID ESCAPING UNDER PRESSURE MAY HAVE SUFFICIENT FORCE TO PENETRATE SKIN AND CAUSE SERIOUS INJURY. IF FOREIGN FLUID IS INJECTED INTO THE SKIN, IT MUST BE SURGICALLY REMOVED WITHIN A FEW HOURS BY A DOCTOR FAMILIAR WITH THIS FORM OF INJURY OR GANGRENE MAY RESULT.**

**! CAUTION: KEEP BODY AND HANDS AWAY FROM PIN HOLES OR NOZZLES THAT EJECT HYDRAULIC FLUID UNDER HIGH PRESSURE. USE PAPER OR CARDBOARD AND NOT HANDS TO SEARCH FOR LEAKS.**

**! CAUTION: SAFELY RELIEVE ALL PRESSURE IN THE SYSTEM BEFORE DISCONNECTING THE LINES OR PERFORMING WORK ON THE SYSTEM.**

**! CAUTION: MAKE SURE ALL HYDRAULIC FLUID CONNECTIONS ARE TIGHT AND ALL HYDRAULIC HOSES AND LINES ARE IN GOOD CONDITION BEFORE APPLYING PRESSURE TO THE SYSTEM.**

#### Safety Signs

1. Keep all safety signs legible. Remove all grease, dirt and debris from safety signs.
2. Safety signs must be replaced if they are missing or illegible.
3. When new components are installed, be sure that current safety signs are affixed to the replaced components.
4. New safety signs may be obtained from your authorized Exmark equipment dealer or distributor or from Exmark Mfg. Co. Inc.
5. Safety signs may be affixed by peeling off the backing to expose the adhesive surface. Apply only to a clean, dry surface. Smooth to remove any air bubbles.
6. Familiarize yourself with the safety signs and instructional labels. They are critical to the safe operation of your Exmark commercial mower.

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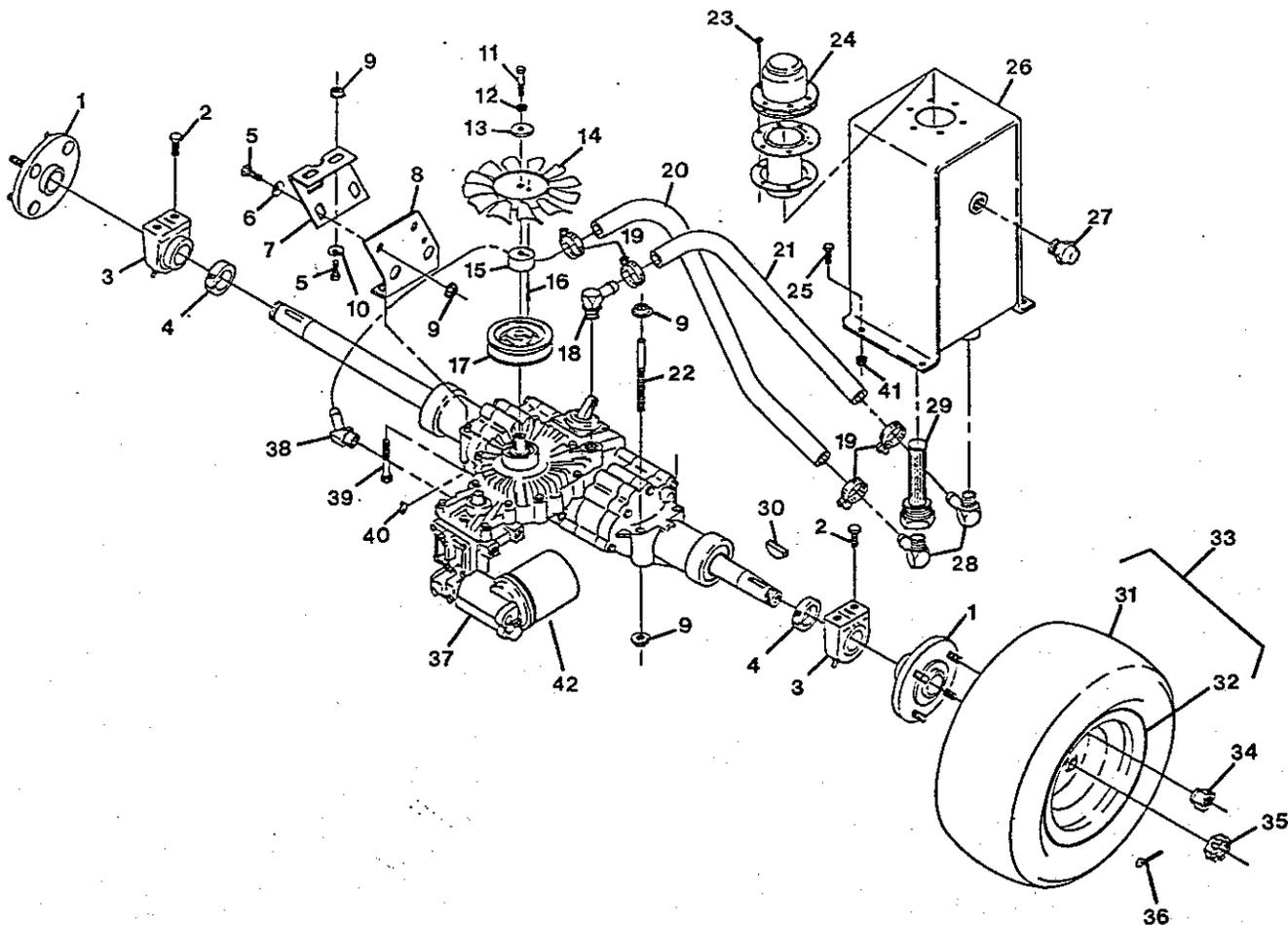
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## AXLE AND HYDRAULICS

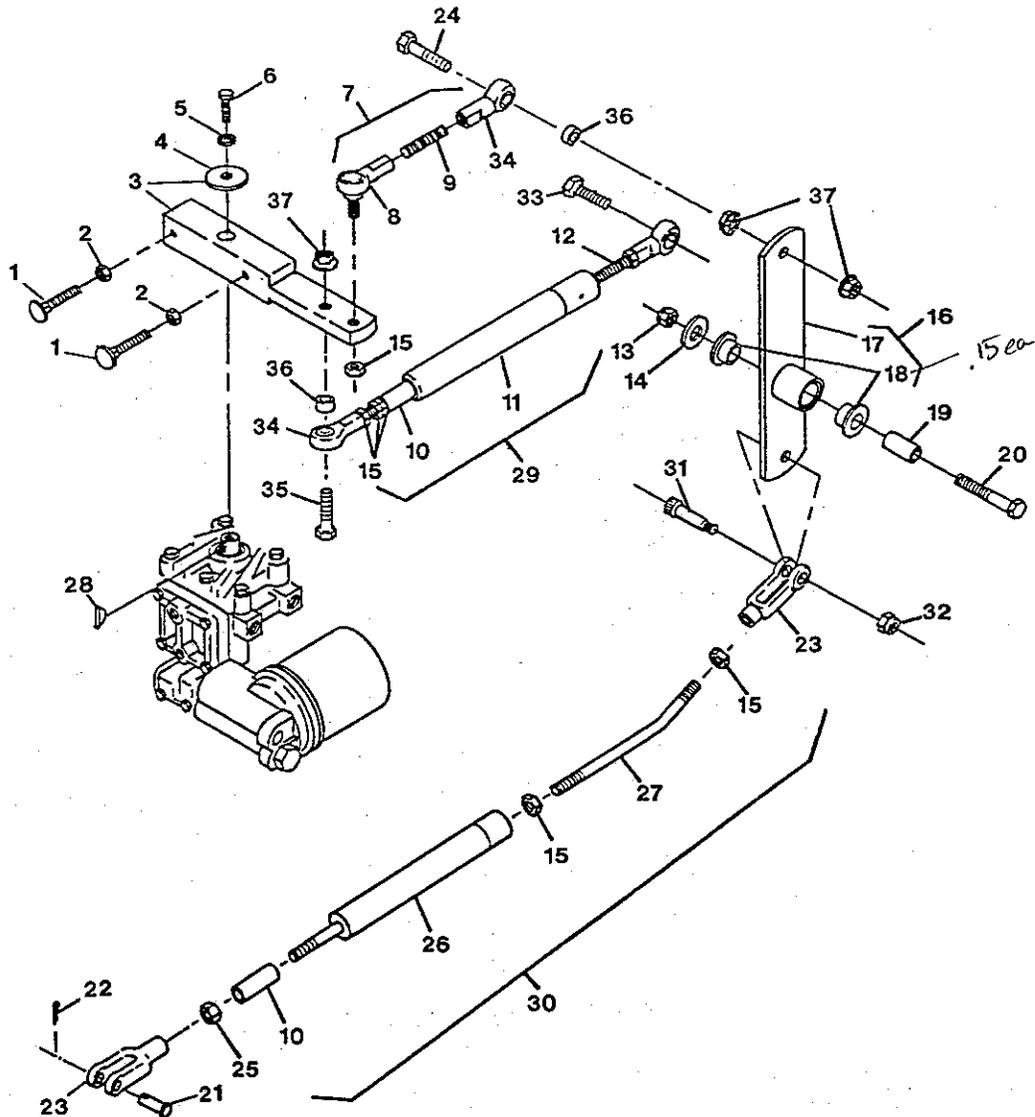
### KEY PART # QTY. DESCRIPTION

*1.....	602997	2.....	Tapered Wheel Hub
2.....	803045	4.....	Whizlock Bolt 3/8-16 x 3/4
*3.....	543485	2.....	Bearing - Pillow Base
	840022	2.....	Pro-Lock, Nut Type (.5cc Tube) Use on Setscrews in Brgs.
*4.....	373021	2.....	1" Clamp Collar
5.....	800290	4.....	3/8-16 x 3/4 HHCS
6.....	303327	2.....	3/8 Disc Spring Washer
7.....	543996	1.....	Stabilizer - Axle Upper
8.....	542612	1.....	Stabilizer - Axle Lower
9.....	809007	8.....	Nut - 3/8-16 Whizlock
10.....	805260	2.....	3/8 Std. Flat Washer
11.....	800256	1.....	1/4-20 x 1-1/2 HHCS
12.....	805004	1.....	1/4 Hvy Spring Lockwasher
13.....	503033	1.....	Pulley - Retainer Washer
14.....	543359	1.....	Fan - 7" O.D./10 Blade
15.....	543317	1.....	Spacer - Fan
16.....	806328	1.....	Rollpin - 7/32 x 7/8
17.....	543928	1.....	Pulley - Cast Iron
18.....	543887	1.....	Elbow - 90°
	603919	1.....	O-Ring
19.....	543892	4.....	Hose Clamp
20.....	543930	1.....	Hose - 17.25 Push Lok
21.....	543931	1.....	Hose - 8.0 Push Lok
22.....	543054	2.....	Pin - Guide

### KEY PART # QTY. DESCRIPTION

23.....	802002	6.....	#10-32 x 1/2 Thd Cutting Screw
24.....	543541	1.....	Breather - Filler & Cap
25.....	800271	1.....	5/16-18 x 3/4 HHCS
26.....	542913	1.....	Tank - Hyd. Wldmnt
27.....	543894	1.....	Oil Eye - Hyd Tank
28.....	543889	2.....	Elbow 90°
29.....	543864	1.....	Suction Strainer
30.....	807018	2.....	Woodruff Key
31.....	543680	2.....	Tire - 20 x 10-8
32.....	513042	2.....	Rim
33.....	543396	2.....	Wheel & Tire Assy
34.....	513011	8.....	1/2-20 Wheel Nut
35.....	803040	2.....	Slotted Nut 3/4-16
36.....	806800	2.....	Cotter Pin 9/64 x 1-1/2
37.....	543055	1.....	Transaxle 851-114 Series
38.....	543888	1.....	Elbow - 45°
	603919	1.....	O-Ring
39.....	800298	2.....	3/8-16 x 2-1/2 HHCS
	840022	2.....	Pro-Lock, Nut Type (.5cc Tube) Use on Threads
40.....	807006	1.....	#61 Woodruff Key
41.....	809001	4.....	5/16-18 Whizlock Nut
42.....	513211	1.....	Oil Filter Element

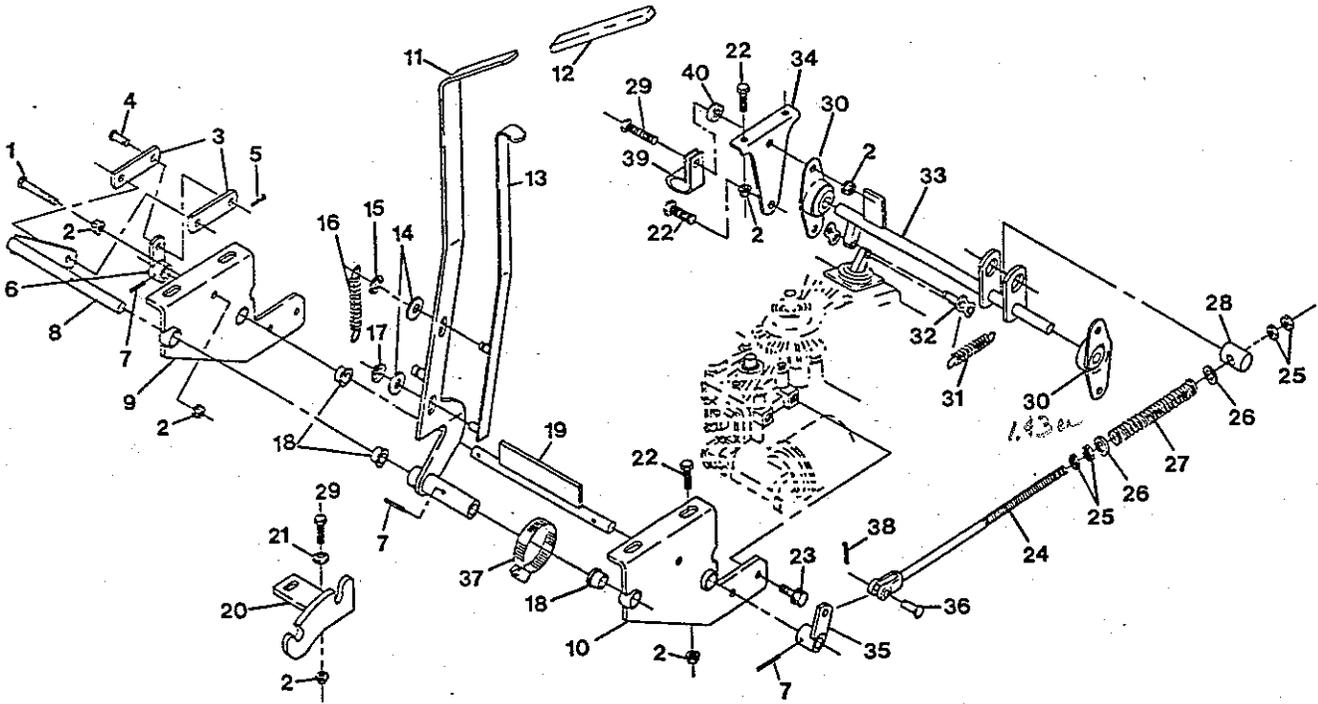
\* Apply Anti-Seize Compound to Bore.



## MOTION CONTROLS

PART #	QTY.	DESCRIPTION
.....807522.....	2.....	5/16-18 x 2 Carr. Bolt
.....804506.....	2.....	5/16-18 Reg Hex Nut
.....542916.....	1.....	Arm Widmt - Transaxle
.....503033.....	1.....	Pulley Retainer Washer
.....805004.....	1.....	1/4 Heavy Spring Lockwasher
.....800751.....	1.....	1/4-20 x 1-1/2 HH Capscrew Gr. 8
.....544722.....	1.....	Linkage - Motion Control
.....513132.....	1.....	Joint, Ball
.....543710.....	1.....	Rod End Pltd.
.....513479.....	2.....	Bushing, Spring Guide
.....542724.....	1.....	Centering Spring Weldment
.....543148.....	1.....	Rod - End
.....804256.....	1.....	5/16-18 Nyloc Hex Nut
.....805258.....	1.....	5/16 Std Flat washer
.....804758.....	13.....	Jam Nut RH 5/16-24
.....544711.....	1.....	Idler - Linkage S/A
.....542144.....	1.....	Idler Widmt - Linkage
.....513140.....	2.....	Bearing, Control

KEY	PART #	QTY.	DESCRIPTION
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.....	2.....	Adjustable Yoke
24.....	800275.....	1.....	5/16-18 x 1-1/2 HHCS
25.....	804521.....	1.....	5/16-24 Reg Hex Nut
26.....	512136.....	1.....	Housing Widmt, Override
27.....	543052.....	1.....	Rod - Link
28.....	807002.....	1.....	Key - 1/8 x 1/2 Wdrf #3
29.....	542725.....	1.....	Center Spring Assy - Pedal
30.....	542053.....	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.....	3.....	Ball Joint
35.....	800274.....	1.....	5/16-18 x 1-1/4 HHCS
36.....	603500.....	2.....	Spacer
37.....	809001.....	3.....	5/16-18 Whizlock Nut



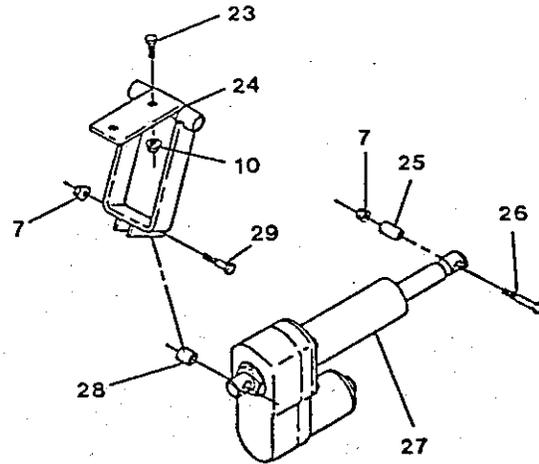
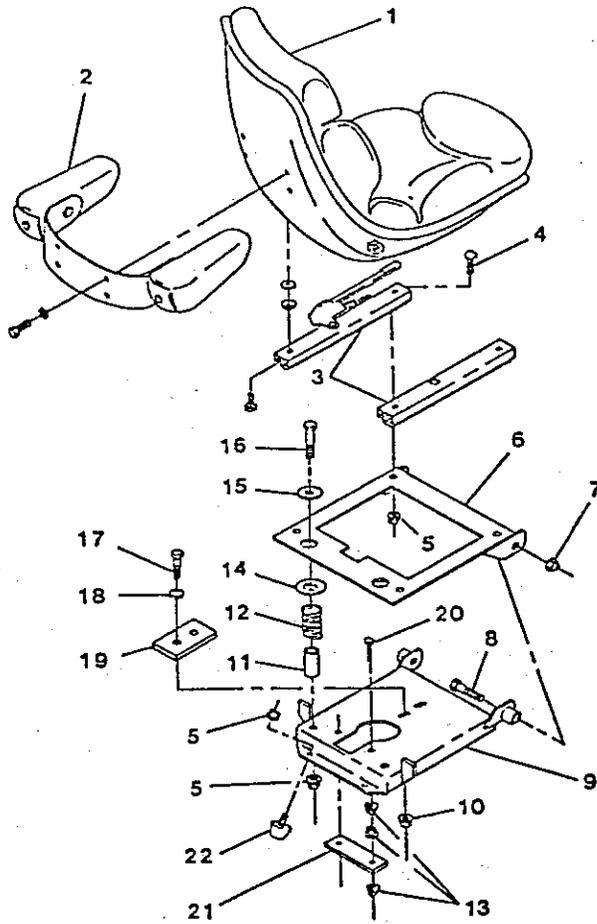
## PARKING BRAKE

### 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.....	Trigger 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 Fit Rnd
18.....	513140.....	4.....	Bearing Control
19.....	542125.....	1.....	Butterfly Widmmt
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



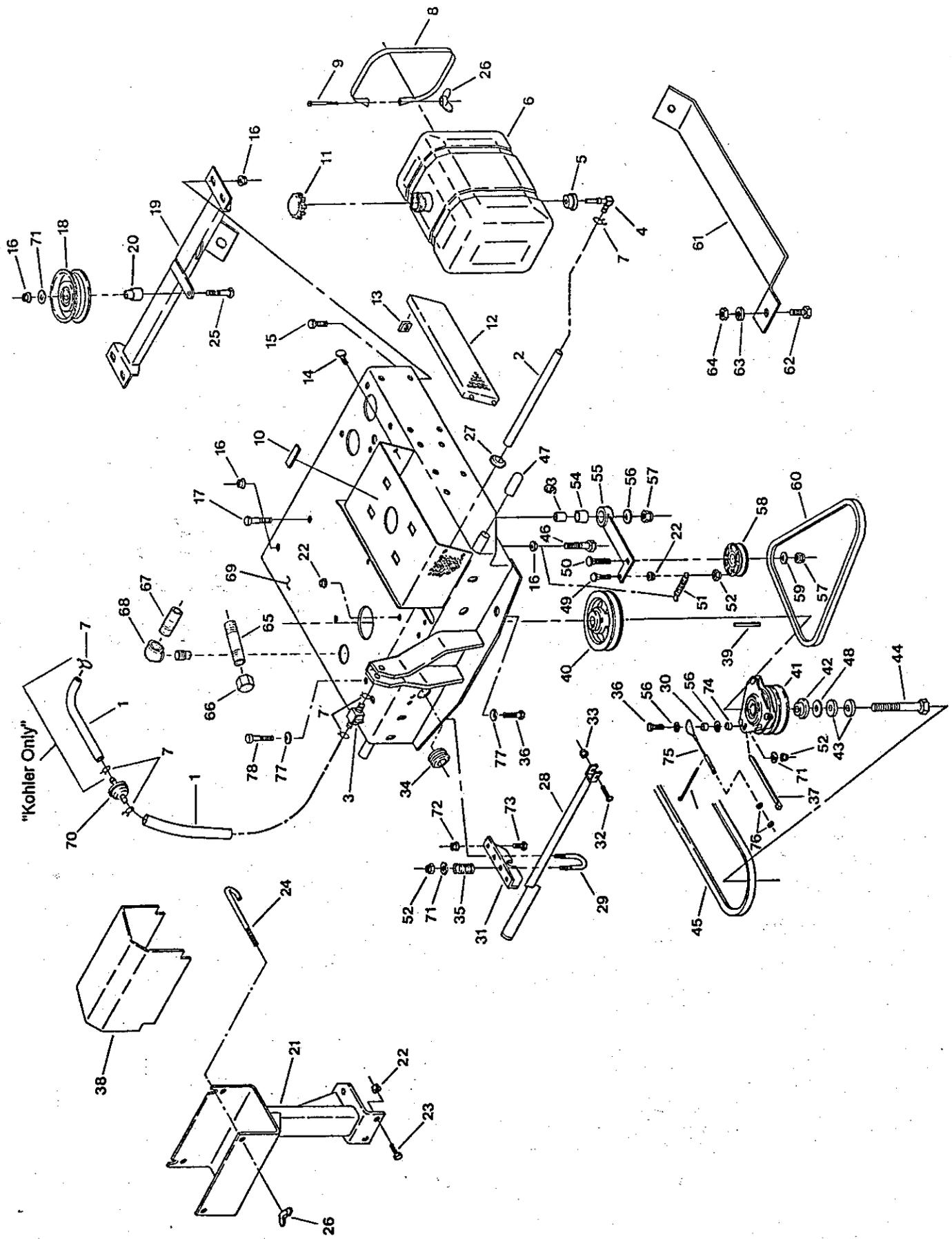
## SEAT ASSEMBLY AND LIFT ACTUATOR

### 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 Widmt - Seat Mnt
7.....	804257.....	4.....	3/8-16 Nyloc Hex Nut
8.....	800296.....	2.....	3/8-16 x 2 HHCS
9.....	542951.....	1.....	Plate Widmt - Seat
10.....	809007.....	4.....	Nut - 3/8-16 Fing 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

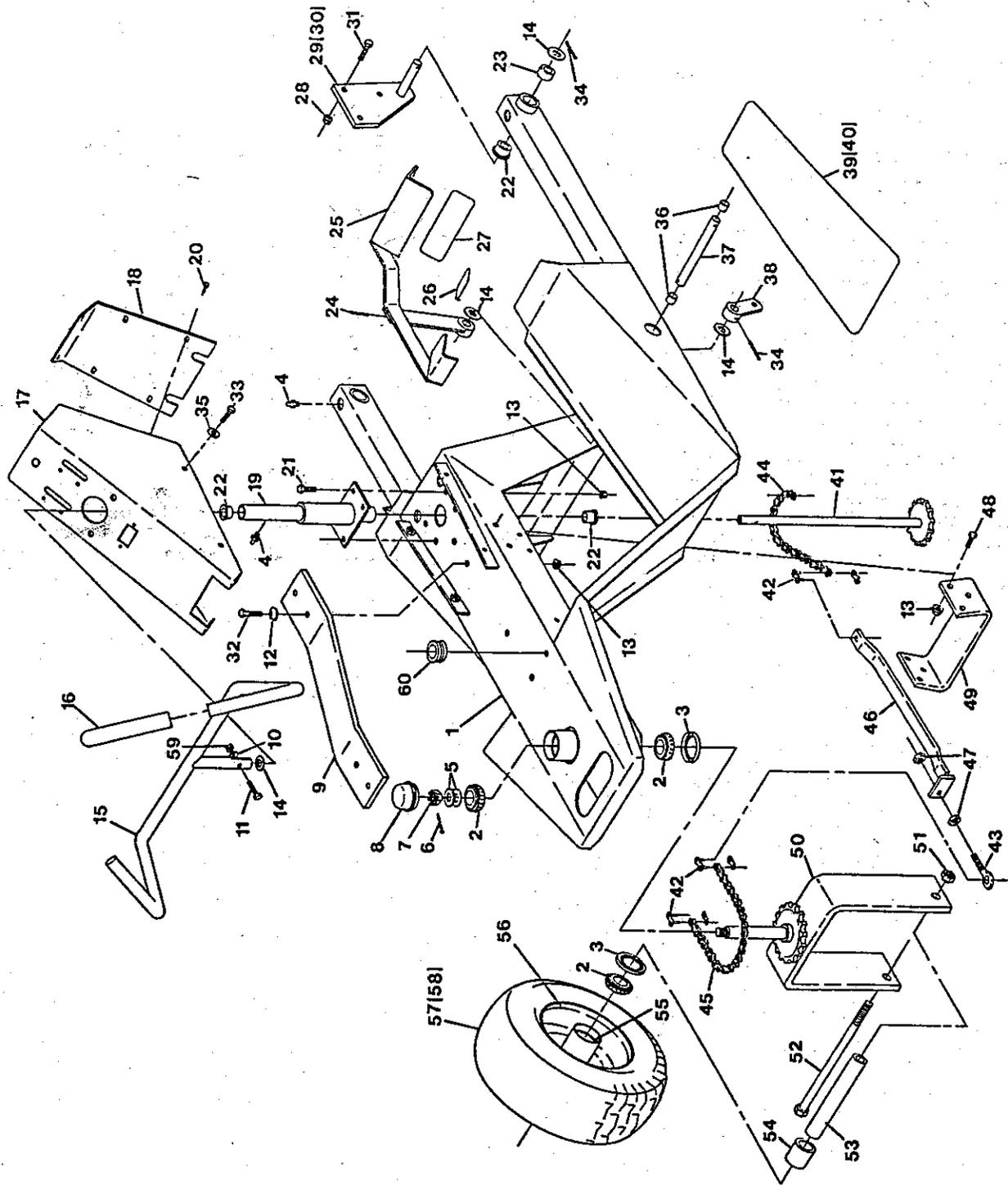


## ENGINE DECK GROUP

KEY	PART #	QTY.	DESCRIPTION	KEY	PART #	QTY.	DESCRIPTION
1	303471	2	Fuel Line - (Kohler)	46	800295	1	3/8-16 x 1-3/4 HH Capscrew
	303307	1	Fuel Line - (18 BV)	47	303021	2	Grip (Drive Lever)
2	303306	1	Fuel Line	48	373034	1	Washer - Pivot
3	603770	1	Valve - Fuel Line	49	807518	1	Bolt - 5/16-18 x 1-1/4 Carr.
4	543277	1	Elbow - Fuel Tank w/Screen	50	807517	1	Bolt - 3/8-16 x 1-3/4 Carr.
5	513645	1	Bushing, Fuel Valve	51	513170	1	Spring
6	543364	1	Tank, Gas	52	804256	4	5/16-18 Nyloc Hex Nut
7	303077	6	Clamp - Gas Line (20 KC)	53	543274	1	Bushing, Steel
		4	Clamp - Gas Line (18 BV)	54	543502	1	Bushing, Bronze
8	303465	2	Strap, Fuel Tank	55	542270	1	Arm Wldmt - Hyd Dr Idlr
9	801060	2	Machine Screw 1/4-20 x 2	56	213069	3	Strut - Adj Spacer
10	303315	2	Gas Tank Pad	57	804257	2	3/8-16 Nyloc Hex Nut
11	513508	1	Cap - Fuel Tank	58	543008	1	Pulley - Idler, Steel
12	542045	1	Screen - Air Intake	59	805260	1	3/8 Std Flat Washer
13	809024	1	1/4-20 Nut Retainer	60	543548	1	Belt A Trans Drive
14	543791	1	Screw - Heavy Thumb	61	543258	1	Plate - Skid Painted
15	800290	4	3/8-16 x 3/4 Capscrew	62	800326	2	Capscrew - 1/2-13 x 1.25 HH
16	809007	7	Nut - 3/8-16 Flng Hex	63	805008	2	1/2 Reg Sprg Lockwasher
17	800296	1	3/8-16 x 2 HH Capscrew	64	804509	2	1/2-13 Reg Hex Nut
18	543877	1	Pulley, Idler 5 3/4 OD	**65	543232	1	Nipple, 3/8 NPT x 4.0 (18BV)
19	542958	1	Cross Member Wldmt	66	543233	1	Cap, 3/8 NPT Hex (18BV)
20	543879	1	Bushing, Idler	**67	543064	1	Nipple, 3/8 NPT x 1.5 (20 KC)
21	542069	1	Mount Wldmt - Battery	**68	303428	1	Elbow, 3/8 NPT (20KC)
22	809001	9	5/16-18 Whizlock Nut	69	542082	1	Deck Wldmt - Engine
23	800271	4	5/16-18 x 3/4 HH Capscrew	70	303197	1	Gas Filter
24	543882	2	Bolt - Hold Down	71	805258	4	5/16 Standard Flatwasher
25	800297	1	3/8-16 x 2-1/4 Hex Hd Capscrew	72	809012	2	Nut, 1/4-20 Whizlock
26	543792	4	Wingnut - Nyloc 1/4	73	800251	2	1/4-20 x 5/8 HH Capscrew
27	543296	1	Grommet - Fuel Line	74	323093	1	Spacer
28	542948	1	Lever - Drive Release	75	542046	1	Cable Assembly
29	543935	1	5/16-18 U-Bolt	76	804255	2	1/4-20 Nyloc Hex Nut
30	543007	1	Spacer - Clutch Anchor	77	303334	4	5/16 Disc Spring Washer
31	543933	1	Brkt - Neut Lever	78	800276	1	5/16-18 x 1-3/4 HH Capscrew
32	801056	1	Screw - 12-24 x 1.38 Sit	79	303287	1	Plastic Tie - Small
33	804254	1	Nut - 12-24 Nyloc Hex				
34	543286	1	Grommet				
35	303160	2	Compression Spring				
36	800275	4	5/16-18 x 1-1/2 HH Capscrew				
37	303335	1	Plastic Tie - Large				
38	543891	1	Battery Cover				
39	807266	1	Key - 1/4 x 1/4 x 2-3/8 Mach				
40	543929	1	Pulley - Engine				
*41	543860	1	Clutch, Electric (Ogura)				
42	543865	1	Bushing - Clutch Keeper				
43	603610	2	7/16 Spring Disc Washer				
44	800820	1	Capscrew - 7/16-20 x 3 HH				
	840022		Pro-Lock, Nut type (.5 ml Tube) Use on Threads				
45	323300	1	Belt - Deck Drive (60" Deck)				
	543028	1	Belt - Deck Drive (52" Deck)				

\*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.

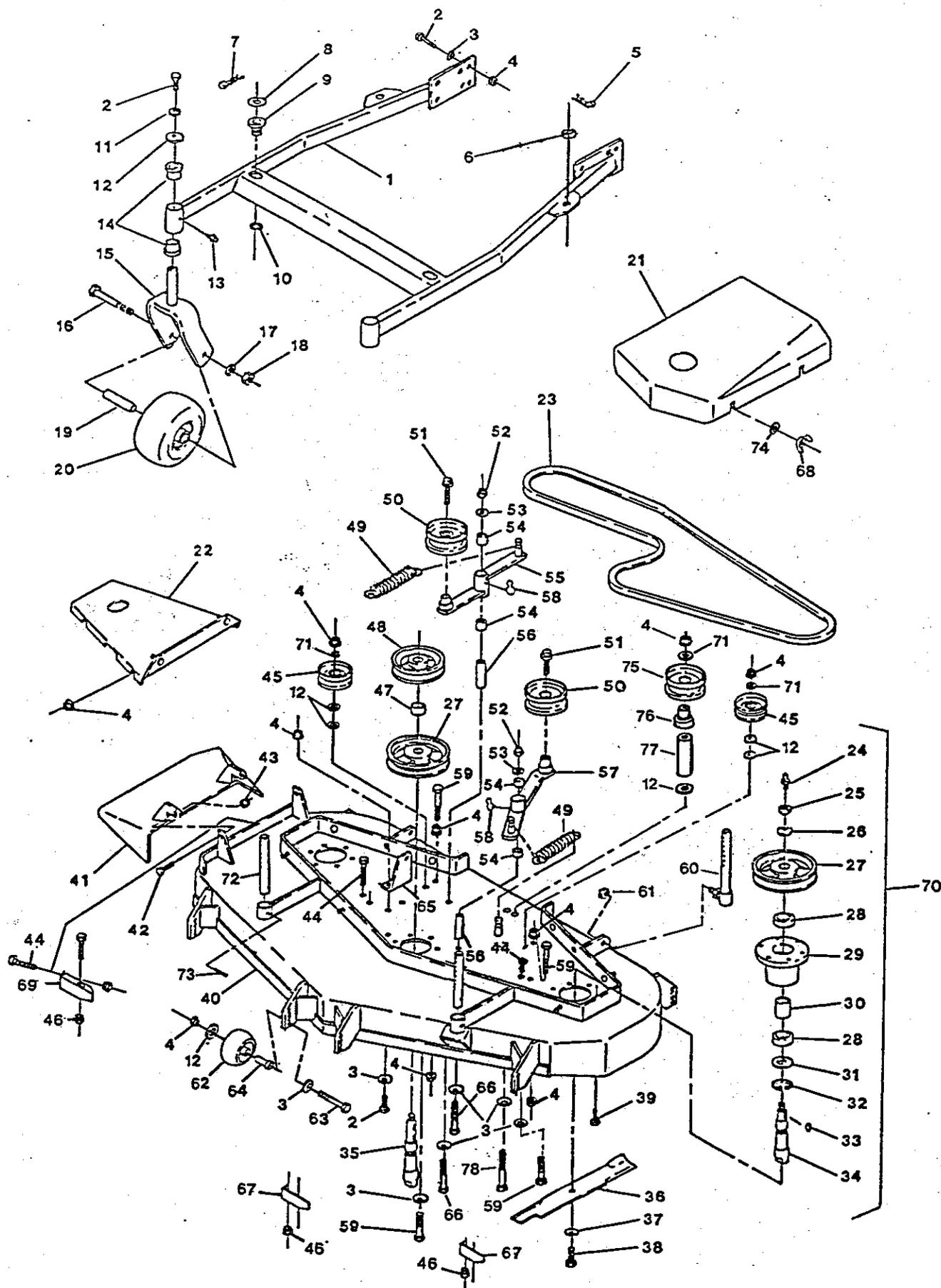
\*\* Use Teflon Pipe Sealant or equivalent on threads



## RIDER FRAME & 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 Flng Hex
14.....	303007.....	5.....	Washer - 6" Caster Pivot
15.....	542428.....	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 Stt. 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
30.....	542194.....	1.....	Bracket, Pivot LH (Not Shown)

KEY	PART #	QTY.	DESCRIPTION
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 Pltd
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

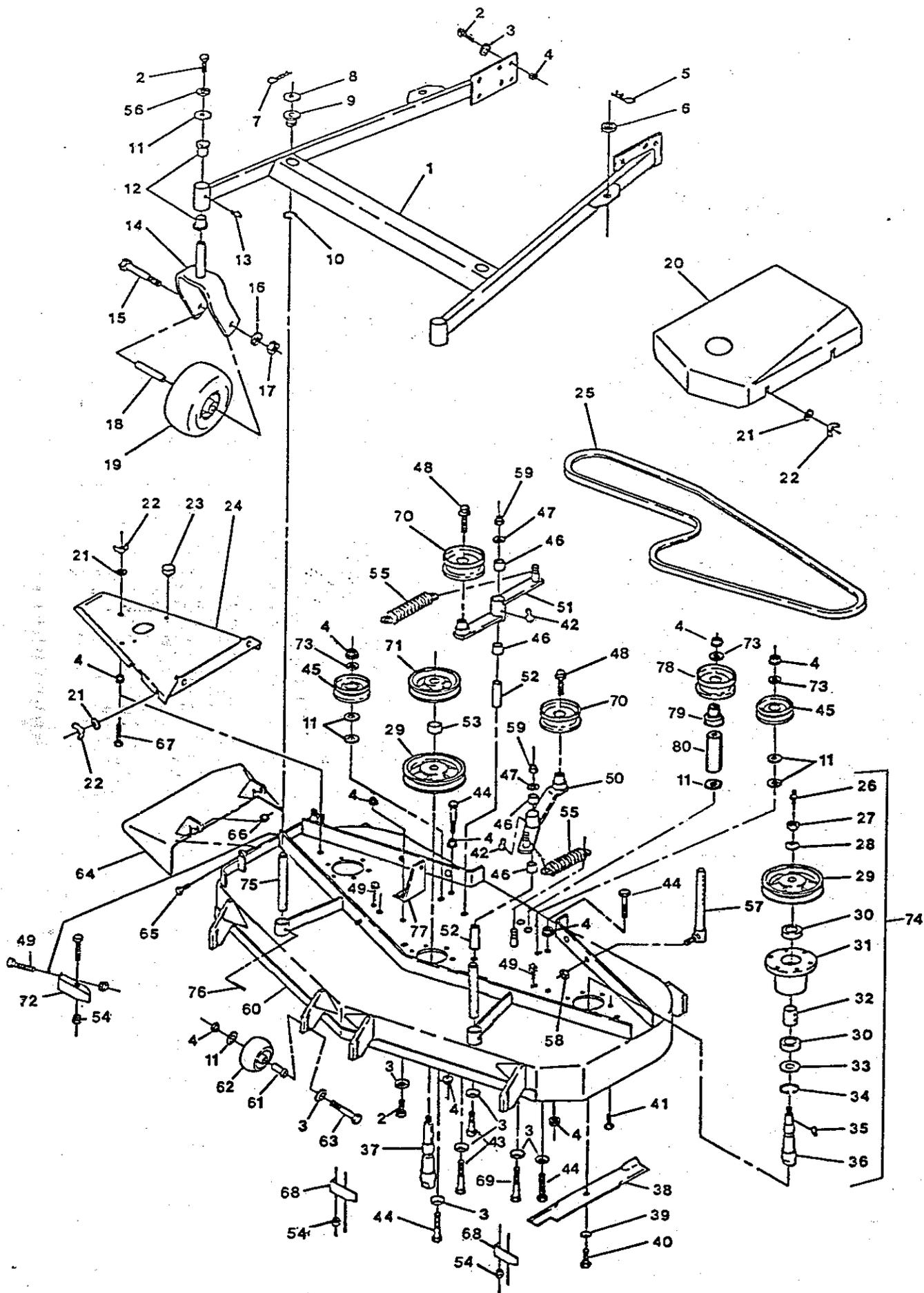


## 52" MOWER DECK

KEY	PART #	QTY.	DESCRIPTION
1	604160	1	Support Weldment 602939 w/ Bushings & Decals
2	800292	12	3/8-16 x 1 HH Capscrew
3	303327	20	3/8 Disc Spring Washer
4	809007	29	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	13	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	613021	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 - Disk
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 08TK
33	807006	4	#61 Woodruff Key
34	603031	2	Spindle - Outer Blade
35	603022	1	Spindle - Center Blade
36	603637	3	Blade - 18.0 Diameter
	603844	3	Blade - Low Lift
	603873	3	Blade - Mulching*
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 Taplite Hex Washer Hd Bolt

KEY	PART #	QTY.	DESCRIPTION
40	602961	1	Weld Assy 612007 w/ Support Rods & Baffles
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	800270	17	5/16-18 x 5/8 HHCS
45	303516	2	Pulley - V-Idler
46	809001	17	5/16-18 Whizlock Nut
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 Gr. 5
52	804257	2	3/8-16 Hex Nyloc Nut
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	4	3/8-16 x 2-1/4 Hx Hd Cpscrw Gr. 5
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	602911	2	Baffle Weldment
68	543678	4	Wingnut - Nylon Insert
69	602913	1	Baffle Weldment
70	604621	1	Center Cutter Housing-Complete
	604262	2	Outer Cutter Housing-Complete
71	805258	5	5/16 Std. Flat washer
72	603001	2	Rod - Deck Support
73	806332	2	Roll Pin 1/4 x 1-1/2
74	805259	4	Washer - Flat
75	603805	1	Idler
76	513791	1	Bushing
77	603494	1	Spacer
78	800302	1	3/8-16 x 4.0 HHCS Gr. 5

\*Requires installation of Micro-Mulch accessory for proper mulching.

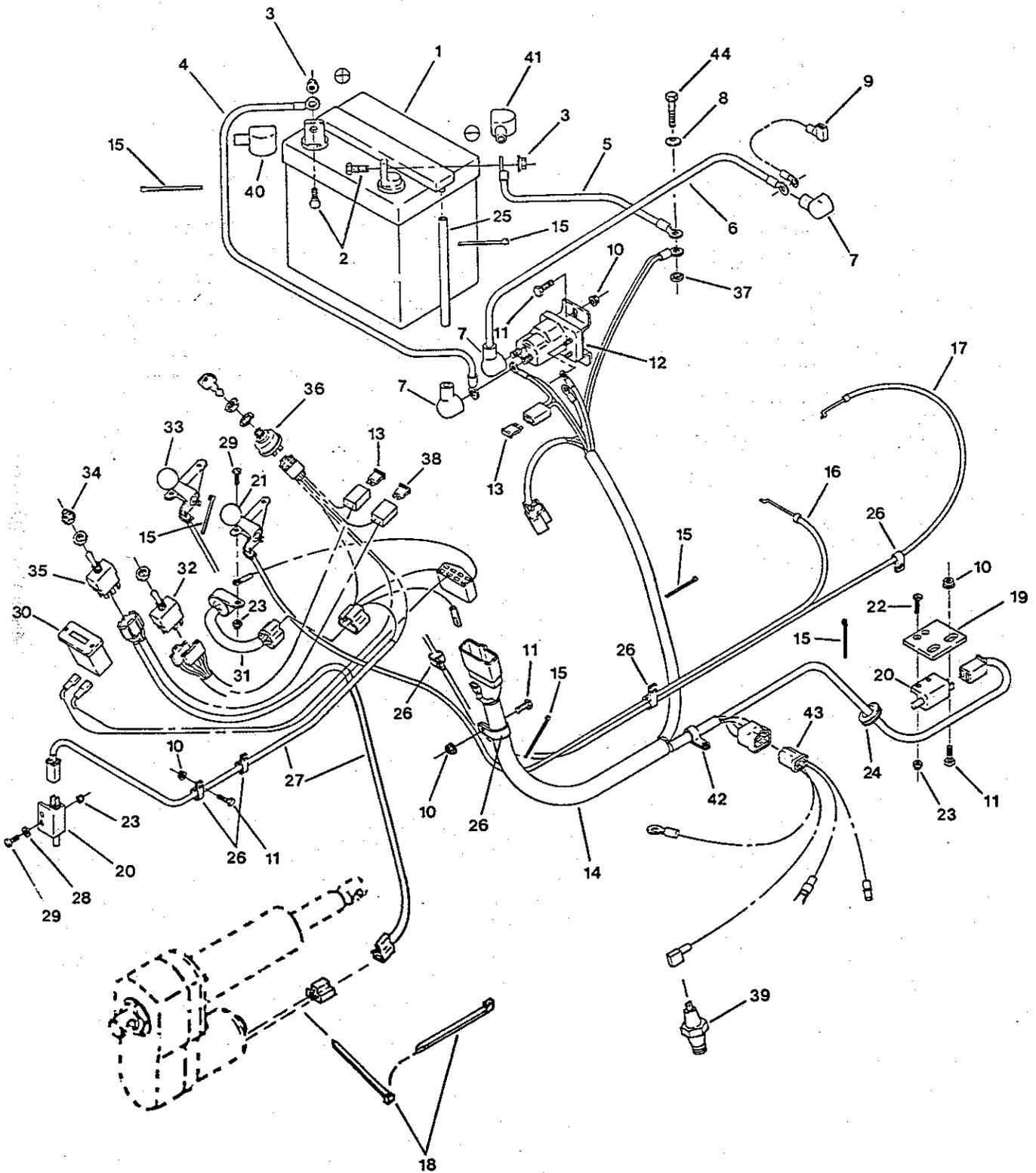


## 60" MOWER DECK

KEY	PART#	QTY.	DESCRIPTION
1	604847	1	Support Wldmt 602593 w/ Bushings and Decals
2	800292	12	3/8-16 x 1 HH Capscrew
3	303327	19	3/8 Disc Spring Washer
4	809007	23	3/8-16 Flng. 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	Bushing, Deck Support
10	808507	2	Ring, Ext. Retaining
11	373034	13	Washer, Pivot
12	303514	12	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 HHCS
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	543087	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 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, Disk
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
37	603022	1	Spindle - Center Blade
38	603283	3	Blade - 20.5 Diameter
	603661	3	Blade - Low Lift
	603874	3	Blade - Mulching*
39	513435	3	Washer, Spring Disc 1/2
40	800531	3	1/2-20 x 1 HHCS RH

KEY	PART#	QTY.	DESCRIPTION
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	4	3/8-16 x 2-1/4 Hx Hd Capscrew
45	303516	2	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	800270	17	5/16-18 x 5/8 HHCS
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 - Tube
54	809001	17	5/16-18 Whizlock Nut
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	602962	1	Weld Assy 612003 w/ Support Rods & Baffles
61	603602	6	Bushing - Roller
62	603299	6	Roller - Anti Scalp
63	800807	6	Capscrew 3/8-16 x 4.00 Gr. 8
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	602911	2	Baffle Weldment
69	800302	1	3/8-16 x 4.0 HHCS Gr. 5
70	603497	2	Idler - 4" Flat
71	613024	1	Sheave - Mower Drive
72	602913	1	Baffle Weldment
73	805258	5	5/16 Std Flat Washer
74	604262	2	Outer Cutter Housing-Complete
	614025	1	Center Cutter Housing-Complete
75	603001	2	Rod - Deck Support
76	806332	2	Roll Pin 1/4 x 1-1/2
77	603620	1	Bracket - Spring Anchor
78	603805	1	Idler
79	513791	1	Bushing
80	603494	1	Spacer

\*Requires installation of Micro-Mulch accessory for proper mulching.

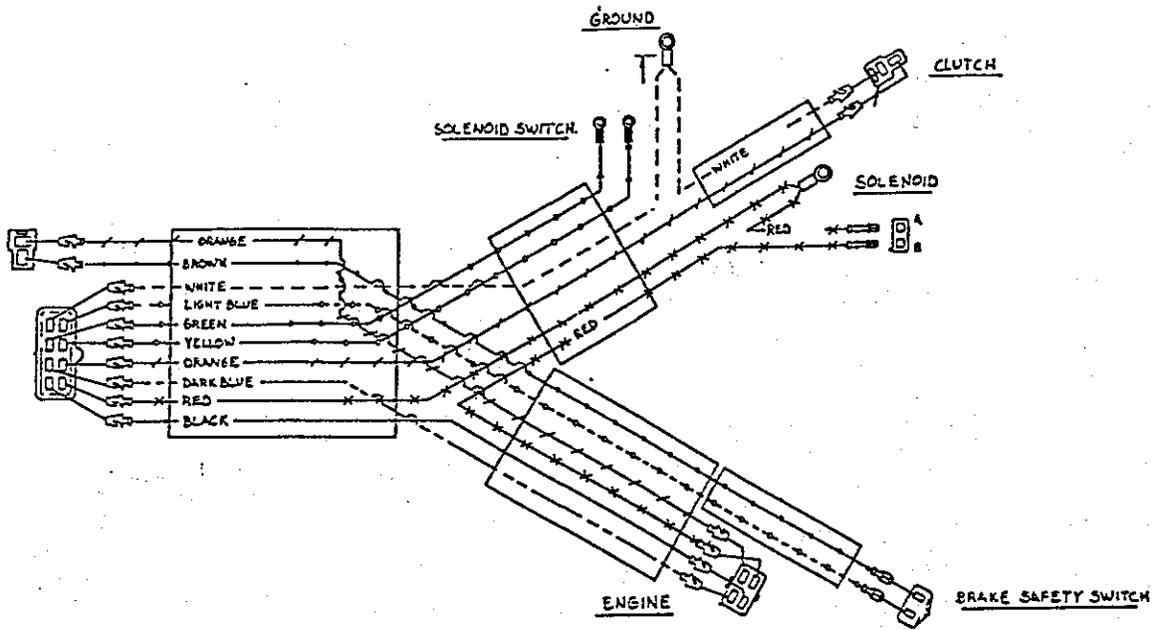


## ELECTRICAL GROUP

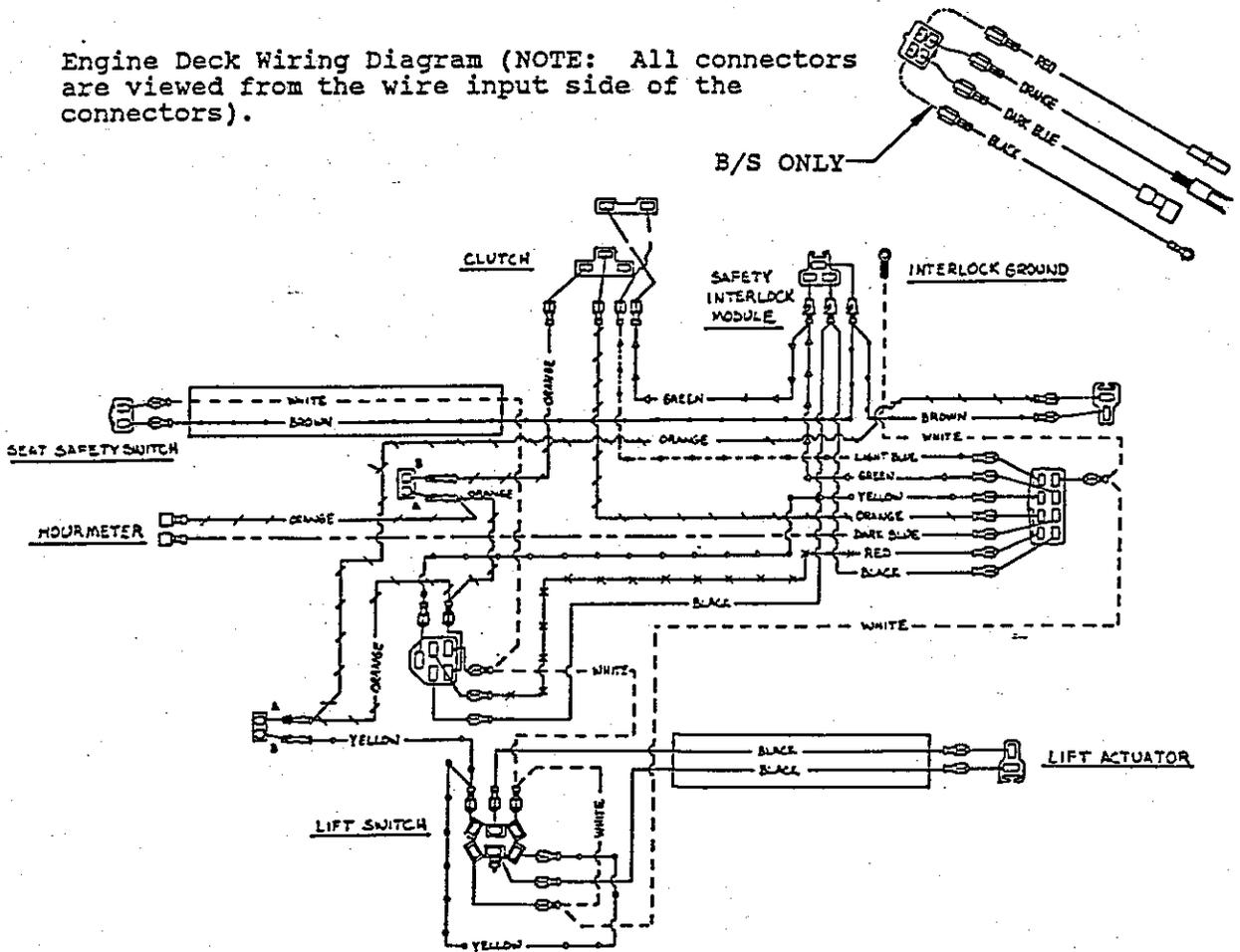
KEY	PART #	QTY.	DESCRIPTION
1.....	603479.....	1.....	12 Volt Battery
2.....	800271.....	2.....	5/16-18 x 3/4 HH Capscrew
3.....	809001.....	2.....	5/16-18 Whizlock Nut
4.....	513053.....	1.....	Wire - (+) Battery
5.....	543767.....	1.....	Wire - Ground
6.....	513582.....	1.....	Starter Wire (18 BV)
7.....	543393.....	3.....	Insulator, Solenoid +
8.....	303334.....	1.....	5/16 Disc Spring Washer
9.....	543084.....	1.....	Wire, Starter Solenoid (20 KC)
10.....	809012.....	10.....	1/4-20 Whizlock Nut
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.....	543065.....	1.....	Harness - Wire Engine
15.....	303287.....	6.....	Plastic Tie 5.5 x .044 x .1 (Small)
16.....	543697.....	1.....	Cable, Throttle (18 BV & 20 KC)
17.....	543072.....	1.....	Cable, Choke (20 KC)
	543697.....	1.....	Cable, Choke (18 BV)
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.....	1.....	23" Hose-Battery Mnifld.

KEY	PART #	QTY.	DESCRIPTION
26.....	513762.....	6.....	Clip - .50" Loom (20 KC)
	513762.....	7.....	Clip - .50" Loom (18 BV)
27.....	543071.....	1.....	Harness - Wire Rider
28.....	805252.....	2.....	Standard Flat Washer .219
29.....	801039.....	6.....	#10-24 x 5/8 Std. Machine
30.....	513374.....	1.....	Meter, Engine Hours
31.....	513579.....	1.....	Module - Safety Interlock
32.....	543018.....	1.....	Switch, Toggle w/Clipped Terminal
33.....	513593.....	1.....	Knob - Black Ball
34.....	543386.....	1.....	Boot, Toggle Switch
35.....	543385.....	1.....	Switch, Toggle DPDT
36.....	543070.....	1.....	Ignition Switch
	603511.....	2.....	Ignition Key
37.....	805506.....	1.....	5/16 Internal Tooth Lockwasher
38.....	816003.....	1.....	Fuse - Blade 30 AMP
39.....	603645.....	1.....	Switch, Oil Pressure (18 BV)
40.....	543391.....	1.....	Insulator - Battery Positive
41.....	543390.....	1.....	Insulator - Battery Negative
42.....	603727.....	1.....	Clip - .56 Loom (Kaw.)
43.....	543225.....	1.....	Harness, Engine Adapter (18 BV)
44.....	800276.....	1.....	5/16-18 x 1-3/4 HH Capscrew (Left Rear Engine Bolt)

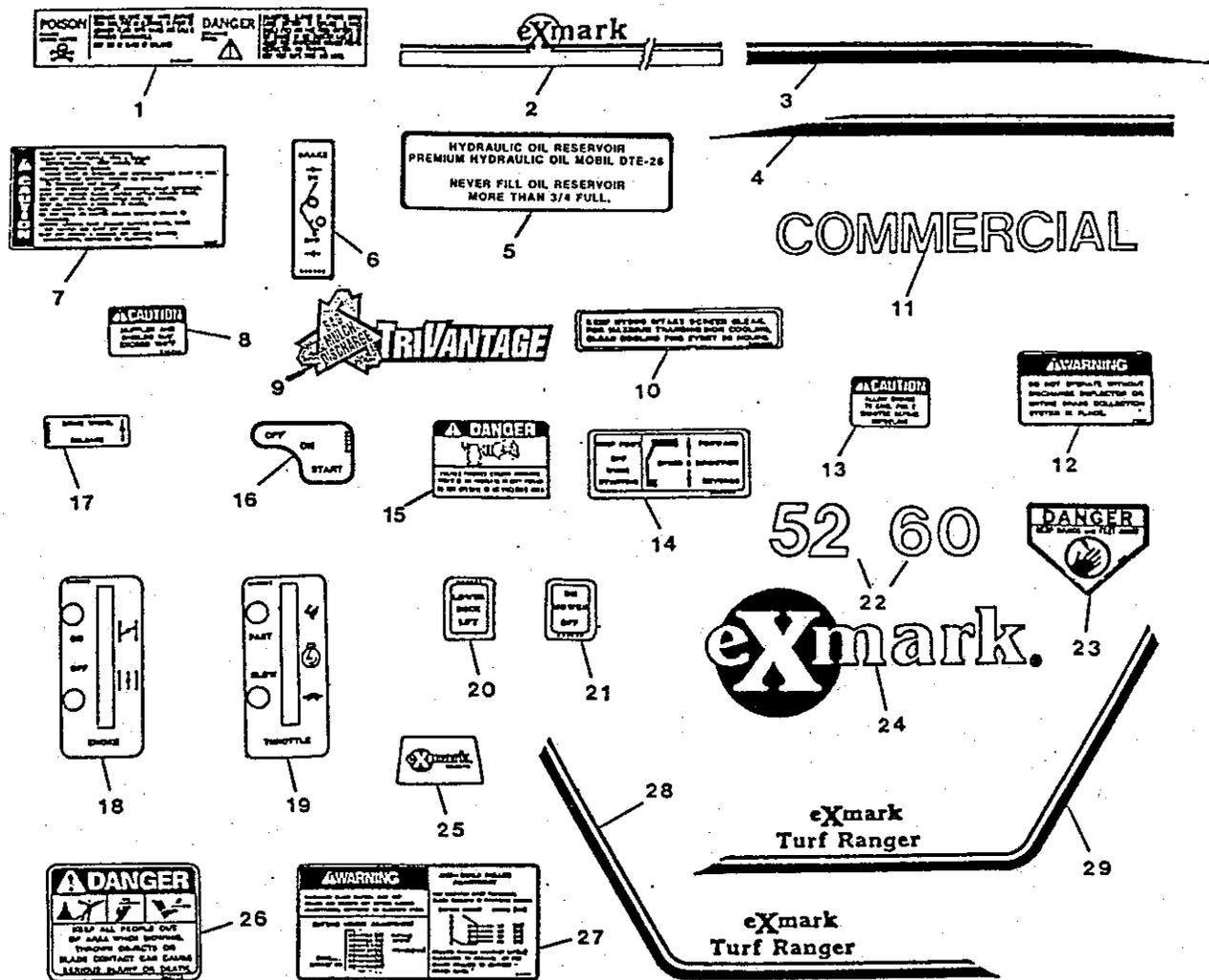
# ELECTRICAL DIAGRAM



Engine Deck Wiring Diagram (NOTE: All connectors are viewed from the wire input side of the connectors).



Console Wiring Diagram (NOTE: All Connectors are viewed from the wire input side of the connectors).



## DECALS

### KEY PART# QTY. DESCRIPTION

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.....303508.....	1.....	Decal - Discharge Warning
13.....303293.....	1.....	Decal - 2 Minute Warning
14.....543624.....	1.....	Decal - Foot Pedal
15.....303481.....	1.....	Decal - Carbon Monoxide

### KEY PART# QTY. DESCRIPTION

KEY PART#	QTY.	DESCRIPTION
16.....513739.....	1.....	Ignition Decal
17.....513743.....	1.....	Decal - Release
18.....543630.....	1.....	Decal - Choke
19.....543631.....	1.....	Decal - Throttle
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

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402/223-4010

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