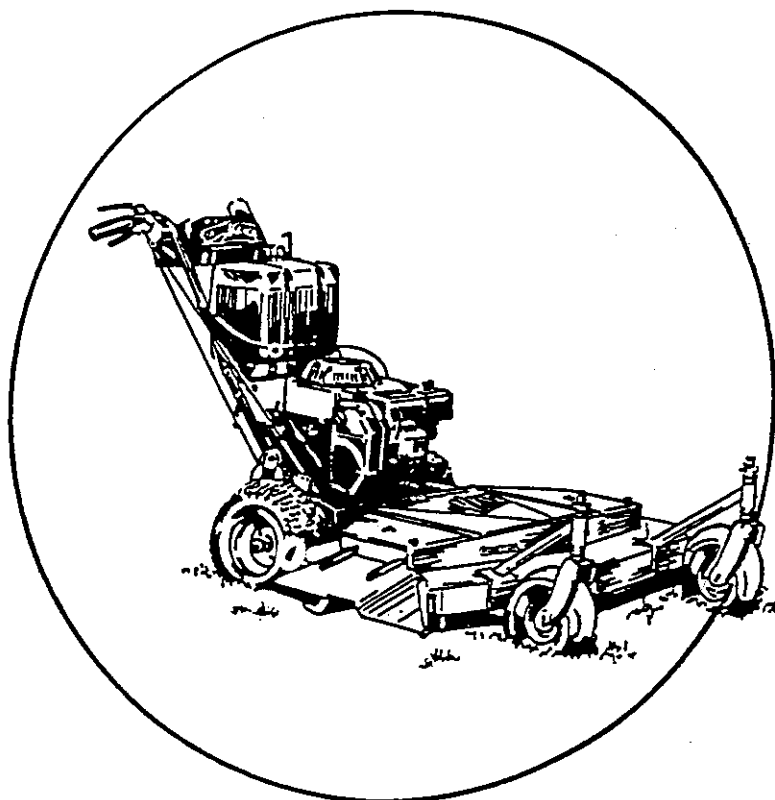




For Serial Nos.
102,000 and Higher

Viking 5-Speed



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 part number, description and quantity of the part needed.

The Serial No. plate is located on the top, right hand side of the engine frame. The Serial No. plate for the deck is located on the front support pin gusset on the right hand side of the deck.

For ease of ordering and reference, we suggest that you record the information requested in the following identification table.

Model No. _____

Serial No. _____

Date Purchased _____

Purchased From _____

Part No. 850317

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SAFETY RECOMMENDATIONS FOR ALL EXMARK MOWER USERS

TRAINING

1. Read the instructions carefully. Be familiar with the controls and the proper use of the equipment. Regard the Exmark mower as a piece of power equipment and teach this regard to all who operate this unit.
2. Avoid mowing while people, especially when children or pets, are nearby. Never allow children, teenagers, or people unfamiliar with these instructions to use the mower. 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, wearing baggy clothing or trousers with loose strings, or while wearing open sandals.
3. Thoroughly inspect the area where the equipment will be used. Remove all stones, sticks, wire, bones and other foreign objects which can result in personal injury.

OPERATION



WARNING

- **Failure to follow safety instructions and cautious operating practices can result in serious injury.**
1. This mower was designed for one operator only. Keep all others away from mower during operation.
 2. Give complete undivided attention to the job at hand.

3. Mow only in daylight or good artificial light.



DANGER

- **Do Not operate the engine in a confined area where dangerous carbon monoxide fumes can collect.**
4. When feasible, avoid operating the equipment in wet grass.
 5. Mow *across* the face of steep slopes, never up and down. Use extreme caution when changing directions on slopes. **Do Not** mow excessively steep slopes.
 6. Use extreme caution when backing up.
 7. Stop the blades when transporting the mower across any surface other than grass, and when transporting the mower to and from the area to be mowed.
 8. **Never** operate the mower with damaged guards, shields, or without operating safety devices in place. **Do Not** mow without grass deflector or entire grass collection system in place and in proper working condition.
 9. **Do Not** change the governor settings or overspeed the engine. Operating an engine at excessive speed may increase the hazard of personal injury.
 10. Fill the gas tank with the recommended fuel specified by the engine manufacturer.



DANGER

- **Fuel is highly flammable. Never remove the cap of the gas tank while engine is running or when engine is hot. Add fuel before starting the engine.**
 - **Refuel outdoors or in a well ventilated area. Do Not smoke when refueling or operating the equipment.**
 - **If fuel is spilled, Do Not attempt to start the engine. Move away from the spill and avoid creating any source of ignition or sparks until fuel vapors have dissipated.**
11. Before starting engine; place transmission in neutral, and disengage the blade and wheel drive clutches. Follow engine manufacturer recommendations for starting engine.
 12. Start the engine with feet well away from the blades.
 13. Keep hands, feet and clothing away from rotating parts while the mower is being operated.



CAUTION

- **The engine can become very hot. Always allow the engine to cool before servicing or making any repairs near the engine area.**

14. Stop the engine:

- Before refueling.
- Before making height adjustments.
- Before removing grasscatcher.

Stop the engine and remove ignition key:

- Before checking, adjusting, servicing or clearing blockages.
- Whenever you leave the mower.
- Before cleaning blockages.
- After striking a foreign object to inspect mower for damage. Make any necessary repairs before restarting and operating the mower.

 WARNING

- **Do Not rely solely on mechanical or hydraulic jacks for support. Properly support the deck or mower using adequate jack stands or equivalent support.**

15. Return the throttle control to the idle position for 30 seconds for engine cool down before stopping the engine.

16. The fuel system is provided with a shut-off valve. The fuel shut-off valve is used when transporting the mower to and from the job site and when the mower will be stored and not in use for a few days.

MAINTENANCE AND STORAGE

 CAUTION

- **Although hazard control and accident prevention are partially 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, storage and maintenance of the equipment.**
- **It is essential that all operator safety guards and mechanisms be connected and in proper operating condition prior to mowing.**

1. Follow the engine manufacturer's recommendations as detailed in the engine manual, for maintenance and service on the engine.
2. Keep engine and engine area free of grass, leaves, excessive grease and oil, and other debris which can accumulate in these areas. Some of these materials can become combustible and result in a fire.

3. Maximum mowing results and safety can be achieved if the mower is properly maintained and operated correctly.
4. Keep all guards, shields and other safety devices *in place* and in safe working condition.
5. Check all bolts and hydraulic fittings frequently to maintain proper tightness.
6. If carburetor adjustment is necessary, disengage the blade and wheel drive, stand to one side keeping hands and feet away from the mower deck, make appropriate adjustments.
7. Check for worn or deteriorating components and belts which could create a hazard. Replace or repair as necessary.
8. All replacement parts must be equivalent or the same as the parts supplied as original equipment.

 DANGER

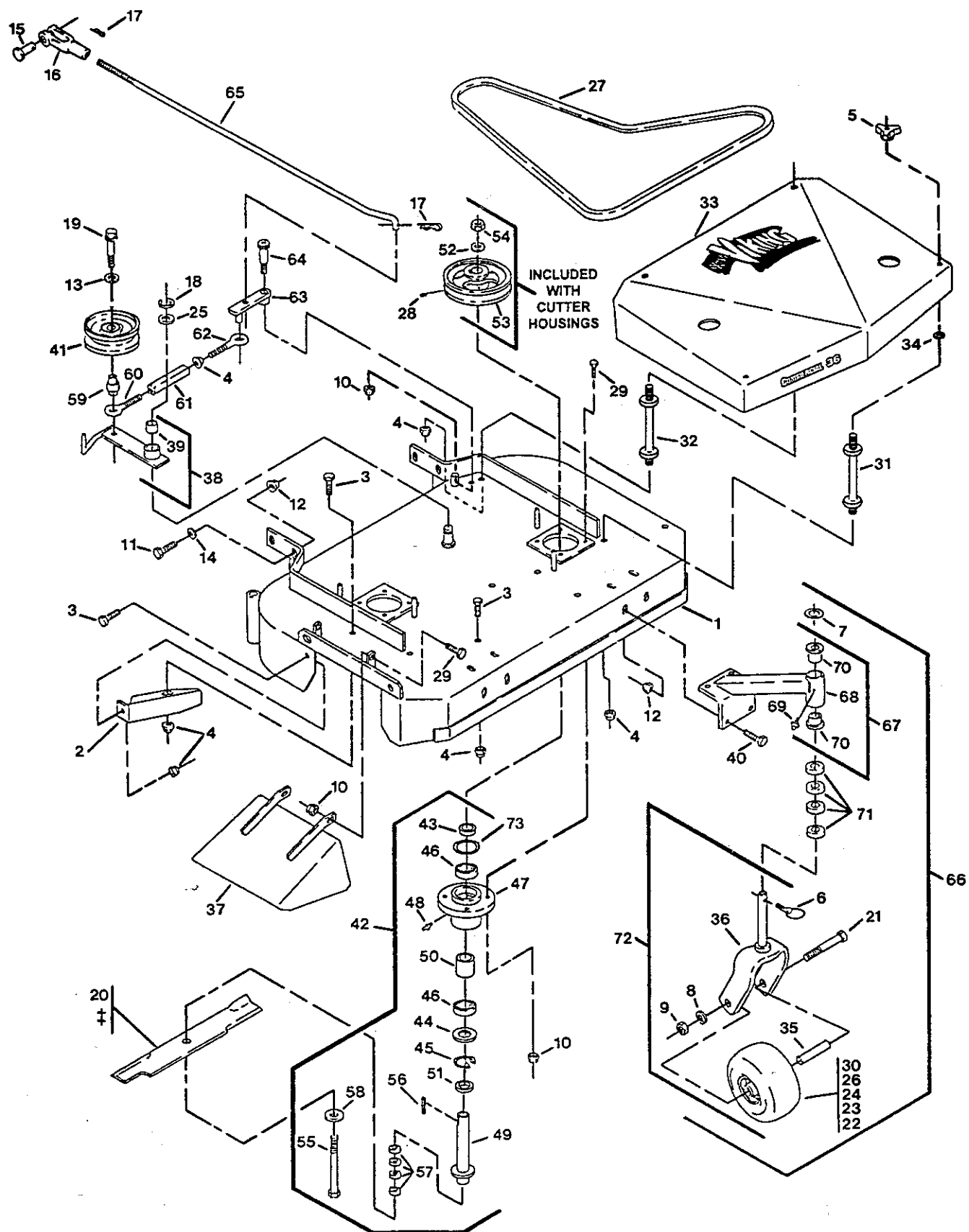
- **Fuel is *highly flammable*. Do Not store fuel in an enclosed area where heating appliance or open flame is present. Store fuel in a container designed specifically for that purpose.**
9. Store fuel in a cool dry place. Keep fuel and mower in locked storage to prevent children from playing or tampering with them.

SAFETY SIGNS

1. Familiarize yourself with the instruction and safety labels. They are critical to the safe operation of your Exmark commercial mower. Remove all grease, dirt and debris from safety signs. Safety signs must be replaced if they are missing or illegible.
2. 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 air bubbles.
3. When new components are installed, insure that current safety signs are affixed to the replaced component. New safety signs may be obtained from your authorized Exmark dealer or distributor, or from Exmark Mfg. Co. Inc.

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.

36" MOWER DECK



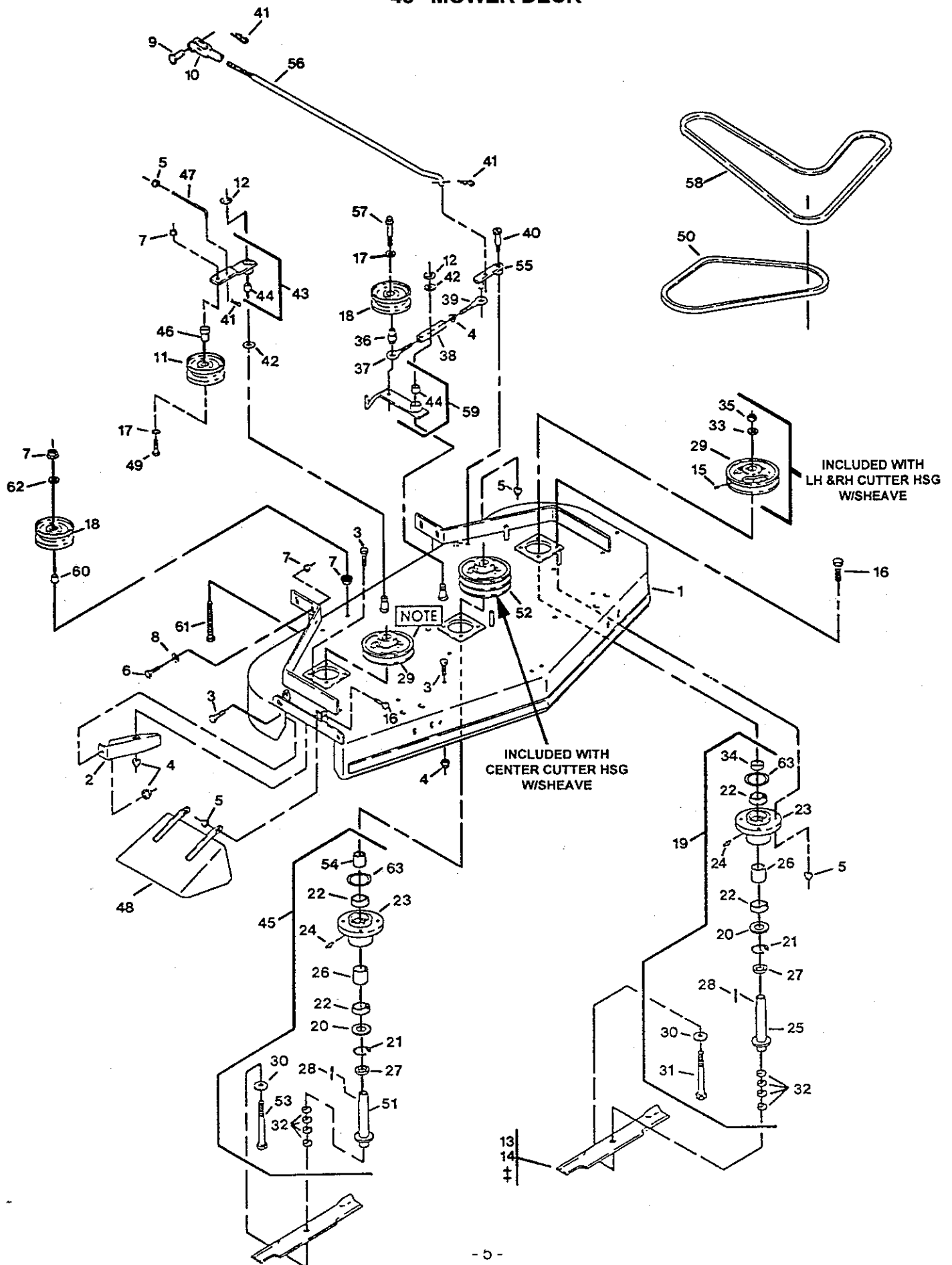
36" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	302217	Front deck w/baffles (36").....	1	36	322145	Fork wldmnt, caster.....	1
2	302189	Baffle, dogleg.....	2	37	302054	Chute.....	1
3	800270	Screw, 5/16-18 x 5/8.....	8	38	302129	Arm, engagement w/bushing.....	1
4	809001	Nut, whizlock 5/16-18.....	13	39	303144	Bearing, powder metal.....	1
5	323385	Knob, belt cover.....	4	40	800290	Screw, 3/8-16 x 3/4.....	8
6	809020	Quick pin, 10" caster.....	1	41	603843	Idler pulley (heavy duty).....	1
7	513338	Washer, special.....	1	42	322166	Cutter housing complete.....	2
8	805008	Lockwasher, 1/2.....	1	43	323402	Spacer, bearing sheave.....	1
9	804509	Nut, 1/2-13.....	1	44	323408	Shield, dust.....	1
10	804256	Nut, nylock 5/16-18.....	11	45	808506	Retaining ring.....	1
11	800293	Screw, 3/8-16 x 1 1/4.....	6	46	303057	Bearing, cutter housing.....	2
12	809007	Nut, whizlock 3/8-16.....	14	47	323315	Cutter housing.....	1
13	805259	Washer, 3/8.....	2	48	811001	Zerk, 1/8 N.P.T. (strght).....	1
14	303327	Washer, disc spring 3/8.....	6	49	322164	Cutter spindle.....	1
15	808280	Pin, clevis 5/16 x 1.....	1	50	323400	Spacer (long).....	1
16	303105	Yoke.....	1	51	323399	Spacer (short).....	1
17	806003	Cotter hairpin.....	2	52	323339	Washer, sheave (retaining)....	1
18	808505	E-Ring for .875 rd.....	1	53	303535	Pulley.....	1
19	803003	Screw, whzck 3/8-16 x 1 3/4..	1	54	804510	Nut, 5/8-18 UNF.....	1
20	303146	Blade, 18" high Lift.....	2	55	800861	Screw, 5/8-18 x 8.....	1
‡	303495	Blade, mulching.....	2	56	807267	Key, 1/4 x 3/16 x 1 1/4.....	1
	303439	Blade, low lift.....	2	57	303164	Spacer, blade drive.....	4
	303283	Blade, 1/4 x 18 (high lift).....	2	58	513208	Washer, 5/8 spring disc.....	1
21	800334	Screw, 1/2-13 x 6.....	1	59	303434	Bushing, engagement.....	1
22	513810	Bushing.....	2	60	303348	Eye bolt (left hand thread).....	1
23	513809	Roller bearing.....	1	61	303236	Turnbuckle body.....	1
24	513808	Tire, 9 x 3.50-4 4-ply.....	1	62	303238	Eye bolt (right hand thread)....	1
25	303352	Washer, spindle.....	1	63	302198	Arm, assist.....	1
26	513807	Wheel & hub.....	1	64	809011	Bolt, 3/8 x 3/4 (shoulder).....	1
27	303499	Belt, blade drive.....	1	65	303270	Linkage, assist arm.....	1
28	803310	Setscrew, 5/16-18 x 3/8.....	4	66	322153	Caster/mount, complete.....	2
f	840022	Prolock (Nut type) .5 ml tube..	1	67	302203	Support, caster (w/brngs).....	1
29	800273	Screw, 5/16-18 x 1.....	10	68	302194	Caster wheel support wldmnt..	1
30	513648	Wheel & tire, complete.....	2	69	811001	Zerk, 1/8 N.P.T.....	1
31	303537	Stud, belt shield (short).....	2	70	303514	Flange, thrust bearing.....	2
32	303536	Stud, belt shield (long).....	2	71	303314	Spacer, 10" caster.....	4
33	302216	Shield, 36" Viking.....	1	72	322154	Caster wheel assembly.....	1
34	323417	Washer, belt cover mount.....	4	73	303542	O-Ring.....	1
35	513547	Spacer, front caster.....	1				

f Use Pro-Lock (Nut Type) on setscrew threads.

‡ Requires installation of Mulching Kit.

48" MOWER DECK



48" MOWER DECK

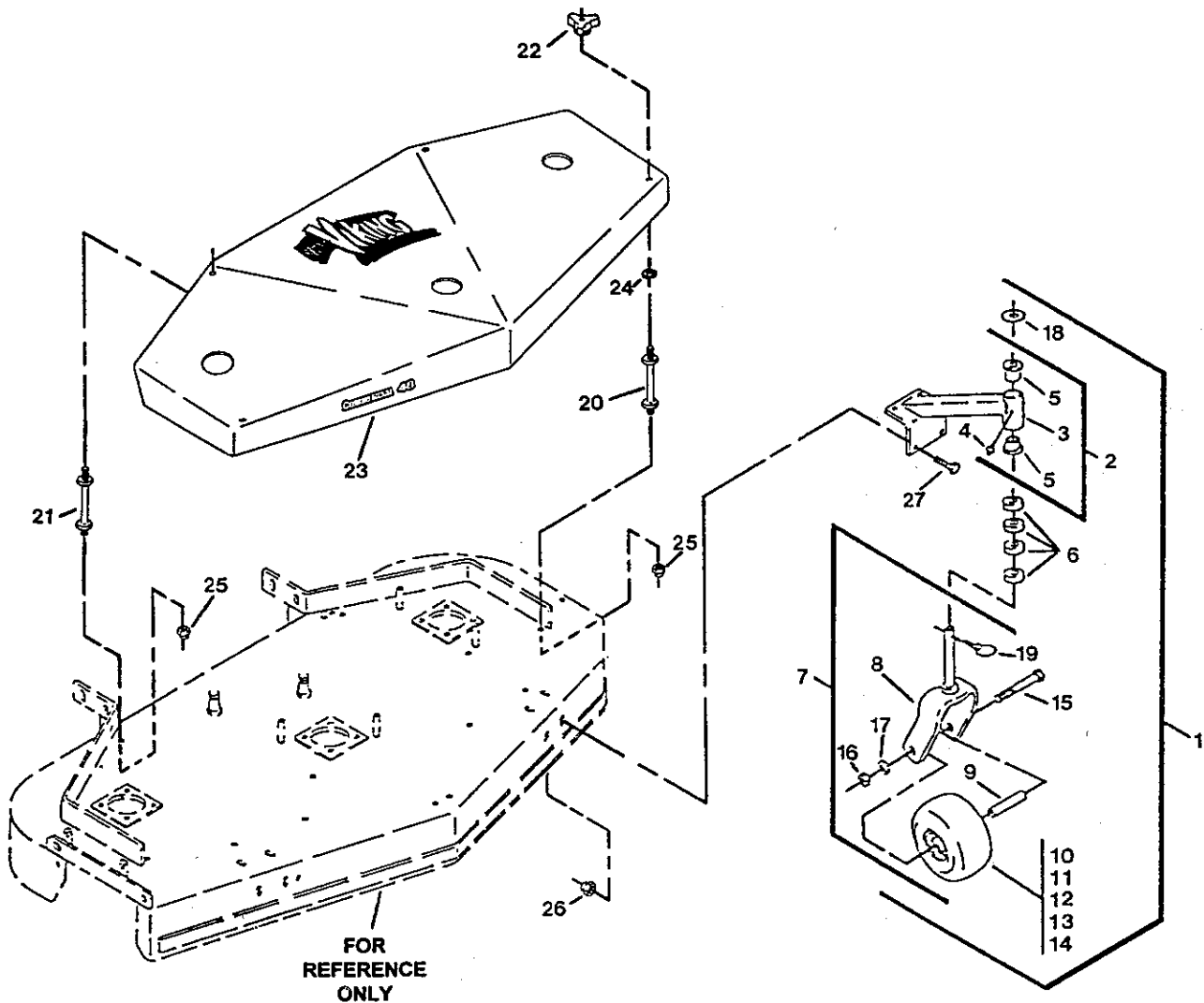
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	402073	Front Deck w/baffles (48")	1	31	800861	Screw, 5/8-18 x 8	1
2	302189	Baffle, dogleg	3	32	303164	Spacer, blade drive	4
3	800270	Screw, 5/16-18 x 5/8	14	33	323339	Washer, retainer (sheave)	1
4	809001	Nut, whizlock 5/16-18	15	34	323402	Spacer, bearing (sheave)	1
5	804256	Nut, nylock 5/16-18	16	35	804510	Nut, 5/8-18 UNF	1
6	800293	Screw, 3/8-16 x 1 1/4	6	36	303434	Bushing, engagement	1
7	809007	Nut, whizlock 3/8-16	7	37	303348	Eye bolt (left hand thread)	1
8	303327	Washer, disc spring 3/8	6	38	303236	Turnbuckle body	1
9	808280	Pin, clevis 5/16 x 1	1	39	303238	Eye bolt (right hand thread)	1
10	303105	Yoke	1	40	809011	Bolt, 3/8 x 3/4 (shoulder)	1
11	403119	Pulley, idler "V"	1	41	806003	Hairpin	3
12	808505	E-Ring for .875 rd.	2	42	303352	Washer, spindle	2
13	403026	Blade, Ultra High Lift 16"	3	43	402053	Idler arm, (w/bushing) cmplt ...	1
14	403059	Blade, 1/4 x 16 High Lift (optional)	3	44	303144	Powder metal bearing	1
‡	403086	Blade, mulching	3	45	402077	Housing, cutter w/sheave (center)	1
15	803310	Setscrew, 5/16-18 x 3/8	6	46	603496	Bushing, idler bearing	1
f	840022	Prolock (Nut type) .5 ml tube ..	1	47	403107	Rod, belt tension	1
16	800273	Screw, 5/16-18 x 1	14	48	302054	Chute	2
17	805259	Washer, 3/8	2	49	800295	Screw, 3/8-16 x 1 3/4	1
18	603843	Idler pulley (heavy duty)	2	50	403025	Belt, "V"	1
19	322166	Housing, cutter w/sheave (LH) ..	1	51	402075	Spindle, cutter hsg (long)	1
	322167	Housing, cutter w/sheave (RH) ..	1	52	403133	Pulley (double)	1
20	323408	Dust shield	1	53	800826	Screw, 5/8-18 x 8 1/2	1
21	808506	Retaining ring	1	54	323404	Spacer, bearing (cntr sheave) ..	1
22	303057	Cutter housing bearing	2	55	302198	Arm, assist	1
23	323315	Cutter housing	1	56	323270	Linkage, assist arm	1
24	811001	Zerk, 1/8 N.P.T. (straight)	1	57	803003	Screw, whizlock 3/8-16 x 1 3/4 ..	1
25	322164	Spindle, cutter, (LH)	1	58	403088	Belt, drive (48" deck)	1
26	323400	Spacer (long)	1	59	302129	Arm, engagement	1
27	323399	Spacer (short)	1	60	403074	Spacer	1
28	807267	Key, 1/4 x 3/16 x 1 1/4	1	61	800029	Screw, 3/8-16 x 2 1/4	1
29	303535	Pulley, cast iron	1	62	805258	Washer, 5/16	1
30	513208	Washer, 5/8 spring disc	1	63	303542	O-Ring	1

‡ Requires installation of Mulching Kit (Part No. MK48).

f Not Illustrated. Use Pro-Lock, Nut Type on setscrew threads.

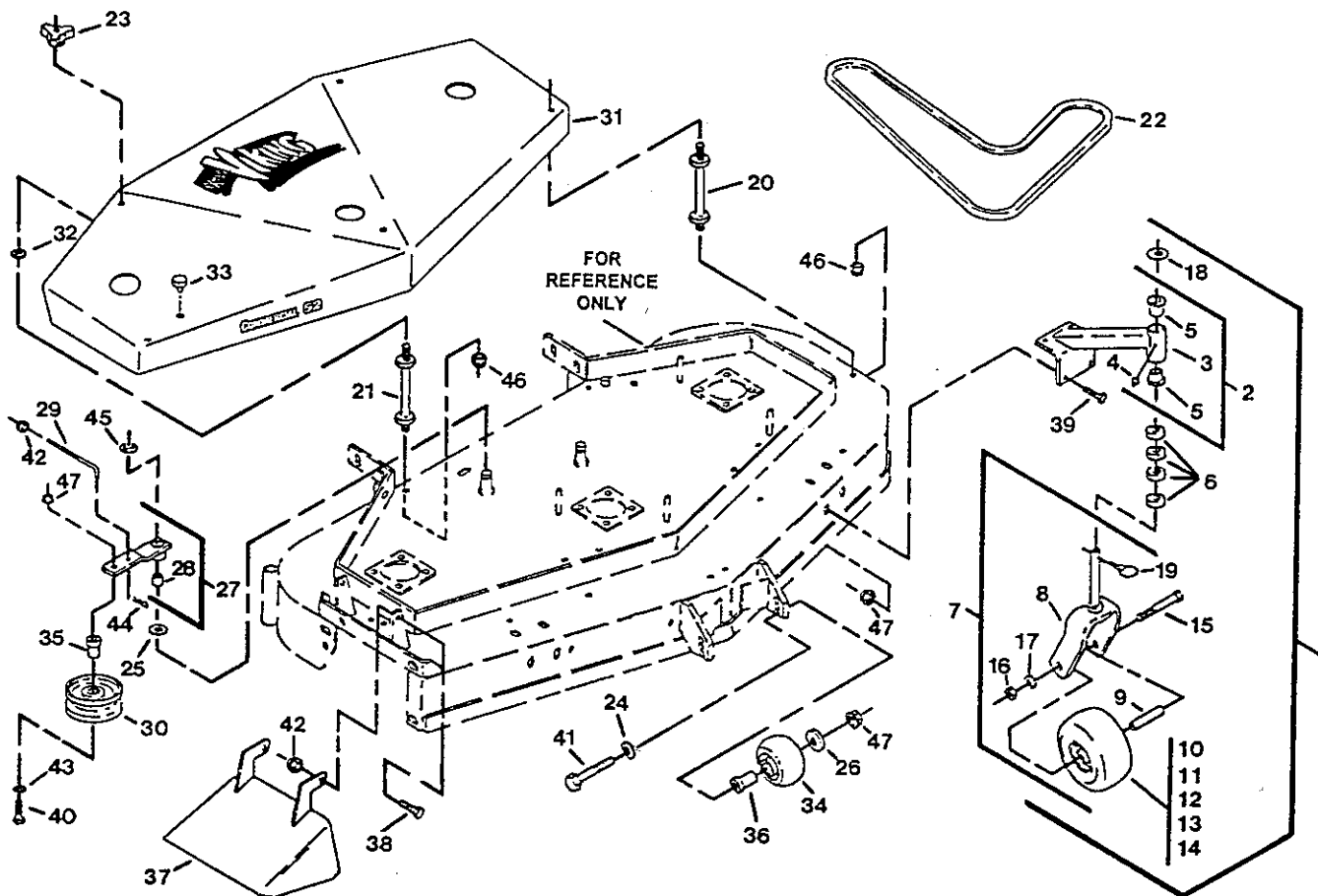
NOTE: The pulley on the **right hand** side (from operators position) cutter housing is turned upside down with the long side of the hub facing up.

48" MOWER DECK (con't.)



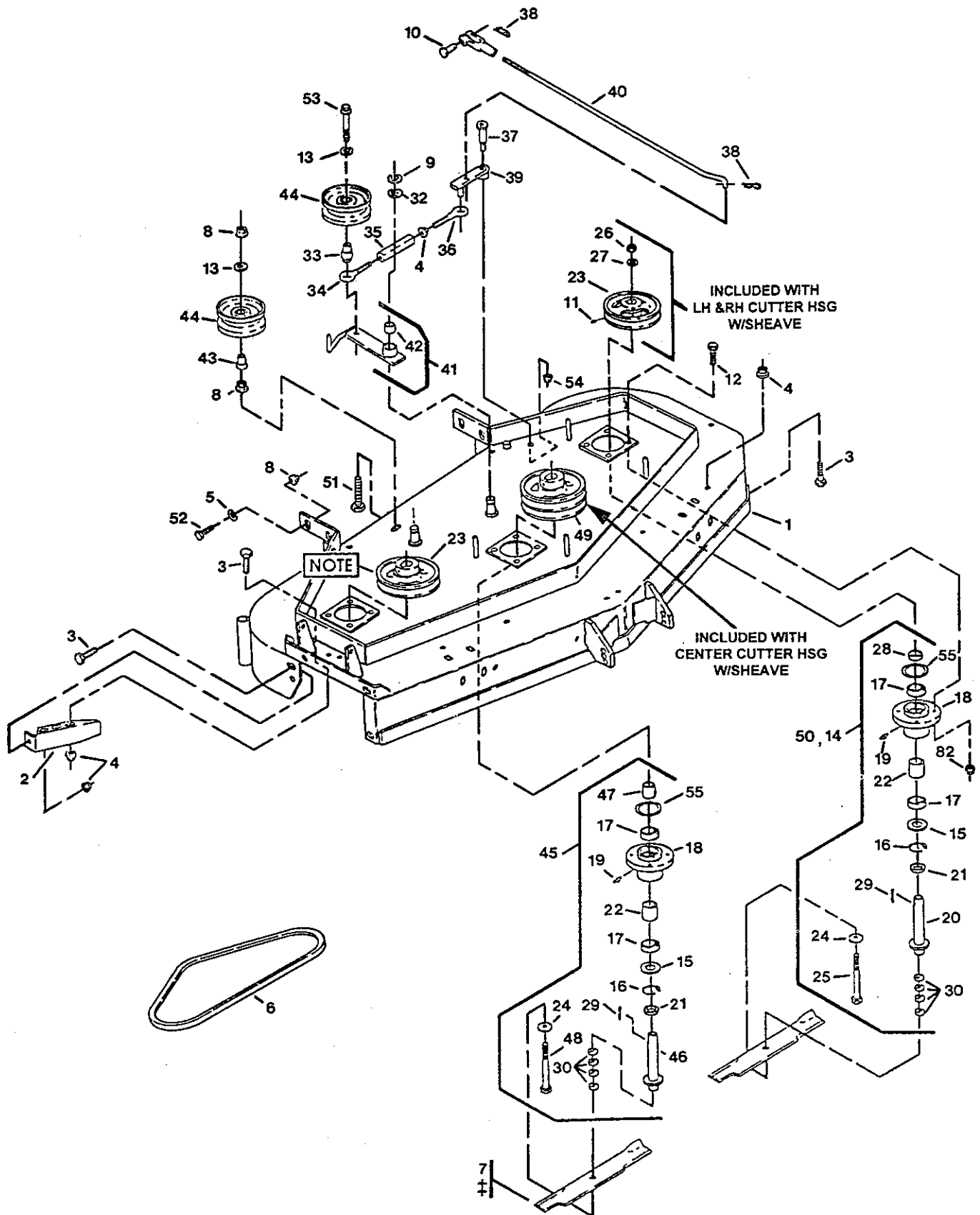
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322153	Caster mount complete.....	2	14	513810	Bushing.....	2
2	302203	Support, caster wheel (w/bearings).....	1	15	800334	Screw, 1/2-13 x 6	1
3	302194	Support, caster wheel wldmnt.	1	16	804509	Nut, 1/2-13.....	1
4	811001	Zerk, 1/8 N.P.T.	1	17	805008	Lockwasher, 1/2	1
5*	303514	Flange, thrust bearing.....	2	18	513338	Washer.....	1
6	303314	Spacer, 10" caster	4	19	809020	Quick pin, 10" caster	1
7	322154	Wheel assembly (caster)	1	20	303537	Stud, belt shield (short)	2
8	322145	Fork wldmnt, caster	1	21	303536	Stud, belt shield (long).....	2
9	513547	Spacer, front caster	1	22	323385	Knob, belt cover	4
10	513648	Wheel & tire, complete.....	2	23	402074	Shield, 48" Viking.....	1
11	513807	Wheel & hub	1	24	323417	Washer, belt cover mount	4
12	513808	Tire, 9 x 3.50-4 4-ply.....	1	25	809001	Nut, whizlock 5/16-18	4
13	513809	Roller bearing	1	26	809007	Nut, whizlock 3/8-16	8
				27	800290	Screw, 3/8-16 x 3/4	8

52" MOWER DECK



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322153	Caster mount, complete.....	2	24	303327	Washer, 3/8 disc.....	2
2	302203	Support, caster wheel (w/bearings).....	1	25	303352	Washer, spindle.....	1
3	302194	Support, caster wheel wldmnt.	1	26	373034	Washer, pivot.....	2
4	811001	Zerk, 1/8 N.P.T.	1	27	402053	Idler arm, complete (right)	1
5*	303514	Flange, thrust bearing.....	2	28	303144	Bushing.....	1
6	303314	Spacer, 10" caster.....	4	29	403107	Rod, belt tension.....	1
7	322154	Wheel assembly (caster).....	1	30	403119	Pulley, idler "V".....	1
8	322145	Fork wldmnt, caster.....	1	31	402070	Shield, 52" Viking.....	1
9	513547	Spacer, front caster.....	1	32	323417	Washer, belt cover mount.....	5
10	513648	Wheel & tire, complete.....	2	33	513291	Bumper, rubber.....	1
11	513807	Wheel & hub.....	1	34	603299	Roller, anti-scalp.....	2
12	513808	Tire, 9 x 3.50-4 4-ply.....	1	35	603496	Bushing, idler bearing.....	1
13	513809	Roller bearing.....	1	36	603602	Bushing, roller.....	2
14	513810	Bushing.....	2	37	602571	Chute.....	1
15	800334	Screw, 1/2-13 x 6.....	1	38	800273	Screw, 5/16-18 x 1.....	2
16	804509	Nut, 1/2-13.....	1	39	800290	Screw, 3/8-16 x 3/4.....	8
17	805008	Lockwasher, 1/2.....	1	40	800295	Screw, 3/8-16 x 1 3/4.....	1
18	513338	Washer.....	1	41	800807	Screw, 3/8-16 x 4.....	2
19	809020	Quick pin, 10" caster.....	1	42	804256	Nut, nylock 5/16-18.....	3
20	303537	Stud, belt shield (short).....	2	43	805259	Washer, 3/8.....	1
21	303536	Stud, belt shield (long).....	3	44	806003	Hairpin.....	1
22	403104	Belt, drive.....	1	45	808505	E-Ring for .875 rd.....	1
23	323385	Knob, belt cover.....	5	46	809001	Nut, whizlock 5/16-18.....	4
				47	809007	Nut, whizlock 3/8-16.....	11

52" MOWER DECK (con't.)



52" MOWER DECK (con't.)

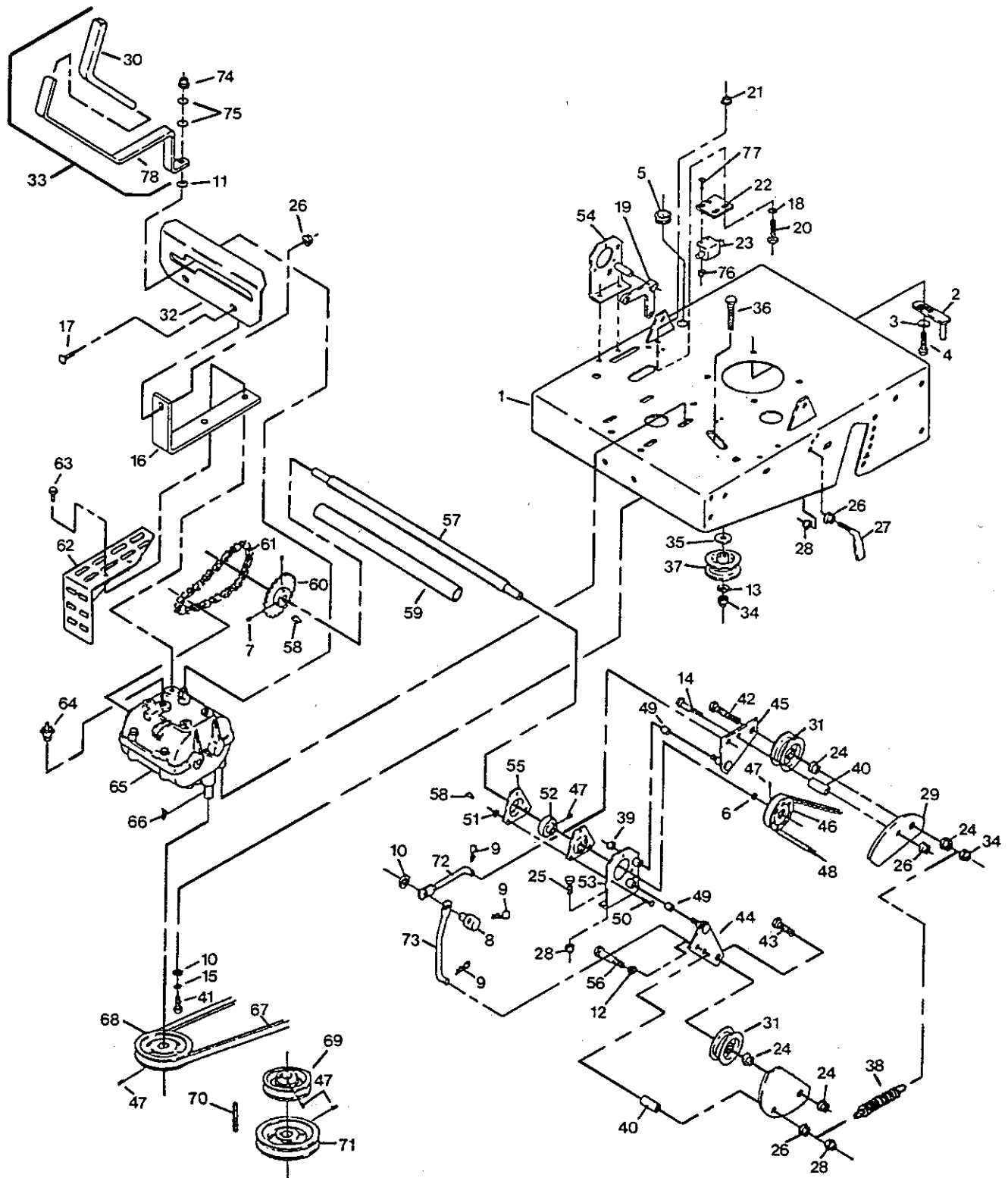
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	402060	Front Deck w/baffle (52")	1	27	323339	Washer, retainer (sheave)	1
2	402057	Baffle, discharge	1	28	323402	Spacer, bearing	1
3	800270	Screw, 5/16-18 x 5/8	12	29	807267	Key, 1/4 x 3/16 x 1 1/4	1
4	809001	Nut, whizlock 5/16-18	11	30	303164	Spacer, blade drive	4
5*	303327	Washer, 3/8 disc spring	6	31	303105	Yoke	1
6	403105	Belt, "V" (front deck)	1	32	303352	Washer, spindle	1
7	303527	Blade, high lift 18"	3	33	303434	Bushing, engagement	1
	303439	Blade, low lift	3	34	303348	Eye bolt (left hand thread)	1
‡	303495	Blade, mulching	3	35	303236	Turnbuckle body	1
	303283	Blade, 1/4 x 18" high lift	3	36	303238	Eye bolt (right hand thread)	1
8	809007	Nut, whizlock 3/8-16	8	37	809011	Bolt, 3/8 x 3/4 (shoulder)	1
9	808505	E-Ring for .875 rd.	1	38	806003	Hairpin	2
10	808280	Pin, clevis 5/16 x 1	1	39	302198	Arm, assist	1
11	803310	Setscrew, 5/16-18 x 3/8	6	40	403103	Linkage, assist arm	1
f	840022	Prolock (Nut type) .5 ml tube ..	1	41	302129	Arm, engagement (w/bshng) ..	1
12	800273	Screw, 5/16-18 x 1	12	42	303144	Bushing, powdered metal	1
13	805259	Washer, 3/8	3	43	403074	Bushing, idler	1
14	322166	Housing, cutter (w/shv) (LH) ..	1	44	603843	Pulley, idler (heavy duty)	2
15	323408	Shield, dust	1	45	402077	Housing, cutter (w/shv) (cntr) ..	1
16	808506	Ring, retaining	1	46	402075	Cutter spindle wldmnt (long) ..	1
17	303057	Bearing, cutter housing	2	47	323404	Spacer, bearing (center shv) ..	1
18	323315	Housing, cutter	1	48	800862	Screw, 5/8-18 x 8 1/2	1
19	811001	Zerk, 1/8 N.P.T. (straight)	1	49	403133	Double pulley	1
20	322164	Spindle, wldmnt short (cutter) ..	1	50	322167	Cutter housing (w/shv) (RH) ..	1
21	323399	Spacer (short)	1	51	800029	Bolt, tap 3/8-16 x 2 1/4	1
22	323400	Spacer (long)	1	52	800293	Screw, 3/8-16 x 1 1/4	6
23	303535	Pulley, cast iron	1	53	803003	Screw, whzlock 3/8-16 x 1 3/4 ..	1
24	513208	Washer, 5/8 disc spring	1	54	804256	Nut, nylock 5/16-18	13
25	800861	Screw, 5/8-18 x 8	1	55	303542	O-Ring	1
26	804510	Nut, 5/8-18 UNF	1				

‡ Requires installation of Mulching Kit Part No. MK52.

f Not Illustrated. Use Pro-Lock, (nut type) on setscrew threads.

NOTE: The pulley on the **right hand** side cutter housing is turned upside down with the long side of the hub facing up.

ENGINE DECK GROUP



ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322079	Rear Deck (Viking 5-Speed)...	1	41	800272	Screw, 5/16-18 x 7/8	4
2	322012	Guide, belt	3	42	800031	Bolt, tap 3/8-16 x 2 3/4	2
3	303334	Washer, disc spring 5/16	4	43	800296	Screw, 3/8-16 x 2	2
4	809018	Screw, 8mm x 30mm	4	44	322038	Arm wldmnt, idler.....	2
5	543296	Grommet.....	1	45	322040	Arm wldmnt, idler.....	2
6	303164	Spacer, blade drive.....	2	46	303409	Pulley, wheel drive.....	2
7f	803022	Setscrew, 5/16-18 x 5/8	2	47f	803310	Setscrew, 5/16-18 x 3/8.....	8
8	303168	Swivel, (short).....	2	48	323051	Belt, cog.....	2
9	806003	Hairpin, cotter	6	49	303143	Bearing sleeve (bronze)	4
10	805258	Washer, 5/16	6	50	800251	Screw, 1/4-20 x 5/8	6
11	323379	Washer, shifter lever.....	1	51	804255	Nut, nylock 1/4-20	6
12*	805005	Lockwasher, 5/16 (hvy sprng)	1	52	303067	Bearing w/collar (jackshaft)	2
13	805259	Washer, 3/8	1	53	322041	Support, caliper (RH)	
14	800277	Screw, 5/16-18 x 2.....	2			w/bushings	1
15	805005	Lockwasher, 5/16 (hvy sprng)	4	54	322042	Support, caliper (LH)	
16	323389	Leg, shifter plate	2			w/bushings	1
17	807503	Bolt, carriage 5/16-18 x 3/4.....	2	55	303066	Flange, bearing (jackshaft).....	4
18	805255	Washer, 1/4	4	56	800279	Screw, 5/16-18 x 1-1/2	2
19	303186	Bellcrank.....	1	57	323109	Jackshaft	1
20	800252	Screw, 1/4-20 x 3/4.....	2	58	807006	Key, woodruff #61	3
21	809012	Nut, whizlock 1/4-20	2	59	303519	Cover, jackshaft.....	1
22	323128	Bracket, safety switch	1	60	323110	Sprocket	1
23	513051	Switch, neutral lockout.....	1	61	323111	Chain, drive	1
24	809007	Nut, whizlock 3/8-16	8	62	323243	Guard, chain	1
25	800271	Screw, 5/16-18 x 3/4.....	4	63	809013	Bolt, tap 5/16-18 x 3/4	4
26	809001	Nut, whizlock 5/16-18 (pltd)	8	64	303282	Switch, neutral start.....	1
27	303151	Scraper	2	65	323393	Trans. w/sprocket (#40).....	1
28	804256	Nut, nylock 5/16-18.....	8		323112	Sprocket, #40, 8 Teeth	1
29	323202	Guard, wheel drive.....	4	66	807009	Key, woodruff #9	1
30	323250	Grip, lever	1	67	403018	Belt, ("V") transmission.....	1
31	303076	Pulley, idler	4	68	403019	Pulley, transmission	1
32	323387	Plate, shifter lever	1	69♦	323070	Pulley, transmission drive.....	1
33	322158	Lever, shifter (complete).....	1	70	807264	Key, 1/4 Sq. x 2-5/8.....	1
34	804257	Nut, nylock 3/8-16.....	3	71♦	303498	Pulley, blade drive (36" & 52")	1
35	805262	Washer, 7/16	1		403087	Pulley, blade drive (48")	1
36	807511	Bolt, carriage 3/8-16 x 2.....	1	72	323163	Linkage, upper caliper	2
37	303516	Pulley, idler	1	73	323084	Linkage, lower RH caliper	1
38	323161	Spring, drive, heavy duty		*	323086	Linkage, lower LH caliper	1
		(Optional)	2	74	804264	Nut, nylock 3/8-24	1
	323071	Spring, drive, light duty		75	303327	Washer, spring disc 3/8.....	2
		(Standard).....	2	76	804252	Nut, nylock #10-24	2
39	803013	Nut, torque 5/16-18.....	4	77	803017	Screw, #10-24 x 1/4 (cntrs nk)	2
40	323236	Spacer	4	78	323392	Lever, shifter.....	1

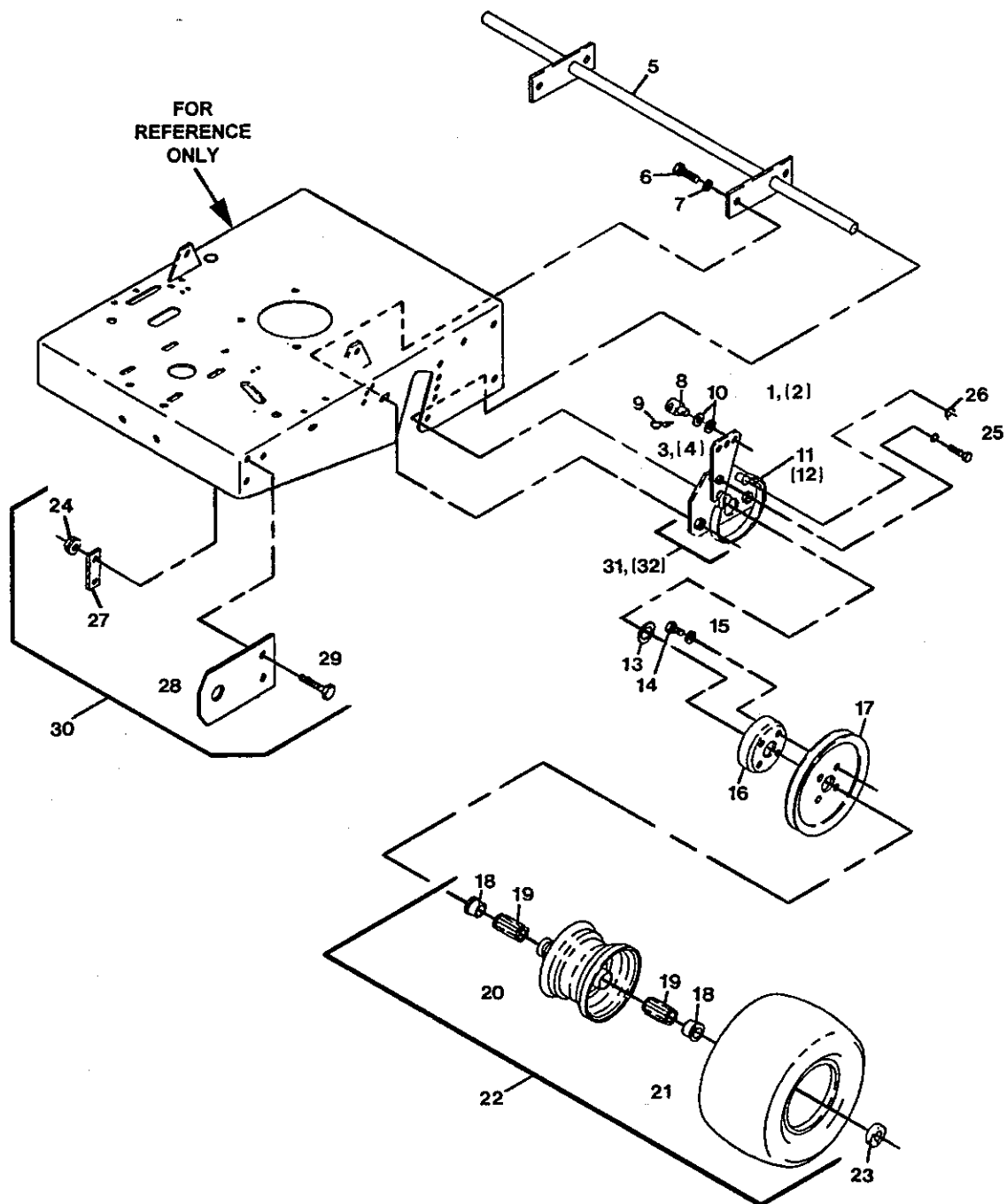
* Not illustrated.

f Use Pro-lock nut type (Part No. 840022, .5ml tube) on setscrew threads.

♦ Apply Pro-lock Retaining 1 (Part No. 840023, .5cc tube) to crankshaft (transmission drive pulley).

♦ Apply anti-seize compound to pulley bore.

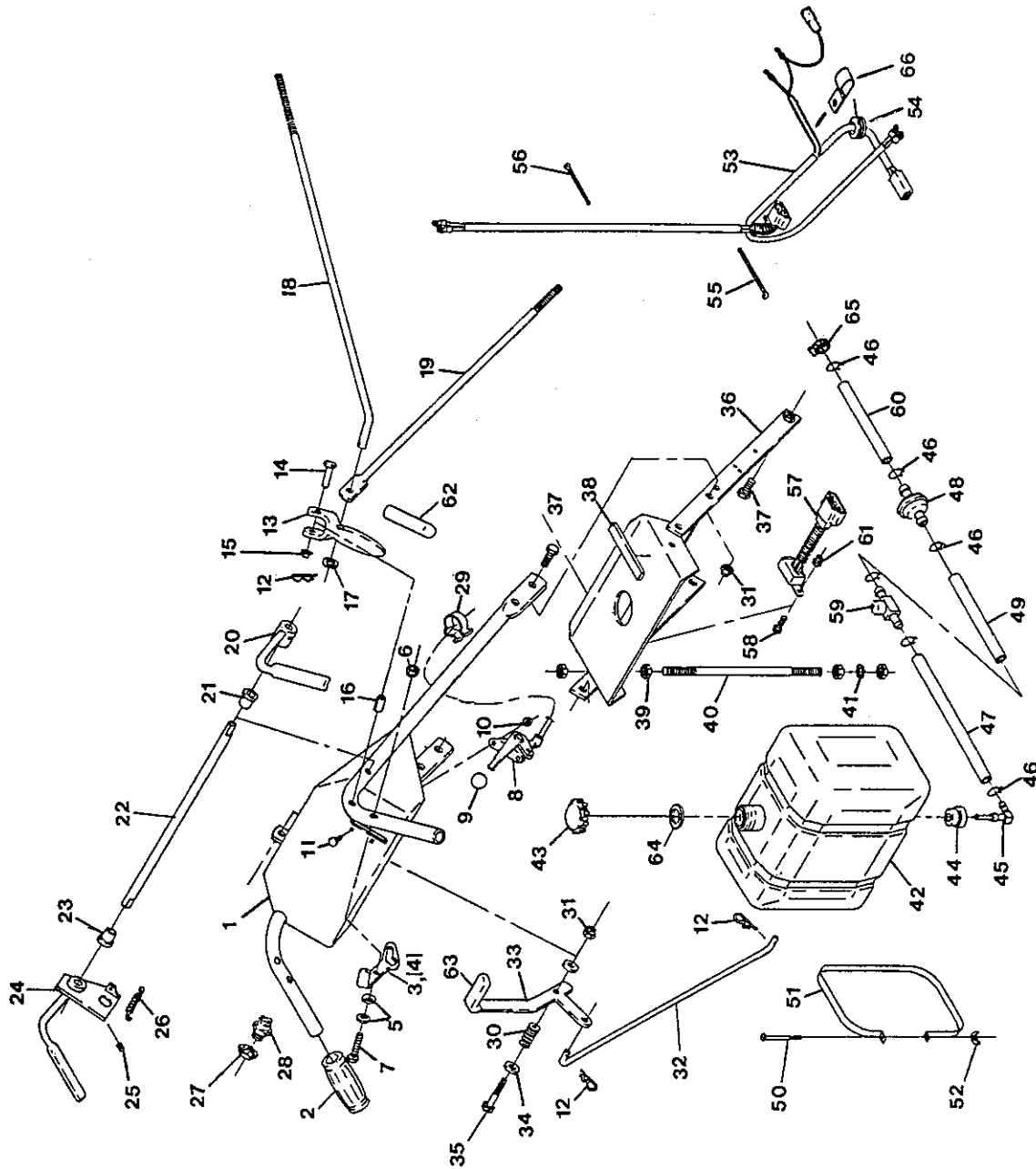
ENGINE DECK GROUP (con't.)



ENGINE DECK GROUP (con't.)

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	302175	Lever wldmnt (RH).....	1	17	303464	Sheave, 9" B Split.....	2
2	302177	Lever wldmnt (LH)	1	18	303123	Flange, bearing.....	4
3	302178	Plate wldmnt (RH).....	1	19	303122	Bearing, roller	4
4	302179	Plate wldmnt (LH)	1	20	302160	Wheel & hub	2
5	302035	Axle assembly.....	1	21	303125	Tire, 13 x 6.50-6, 2 Ply	2
6	800292	Screw, 3/8-16 x1.....	4	22	303469	Wheel & tire	2
7	805006	Lockwasher, 3/8 (hvy sprng) ..	4	23	809005	Clamp, 7/8 (tite collar)	2
8	303168	Swivel, adjust (short)	2	24	809007	Nut, whizlock 3/8-16	4
9	806003	Hairpin, cotter	2	25	800250	Screw, 1/4-20 x 1/2	2
10	805258	Washer, 5/16	4	26	808520	Clip ring	2
11	302037	Brake Band (RH)	1	27	373060	Plate, hitch back	2
12	302036	Brake Band (LH).....	1	28	373036	Mount, hitch	2
13	513338	Spacer, wheel.....	2	29	800293	Screw, 3/8-16 x 1-1/4	4
14	800273	Screw, 5/16-18 x 1.....	8	30	301012	Sulky hitch kit	1
15	805005	Lockwasher, 5/16 (hvy sprng) ..	8	31	302185	Brake, complete (LH)	1
16	303463	Drum, brake	2	32	302184	Brake, complete (RH).....	1

UPPER HANDLE and CONTROLS



UPPER HANDLE and CONTROLS

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322102	Handle wldmnt (Vkng 5 spd)...	1	38	303315	Pad, gas tank	2
2	303097	Grip, handle	2	39	804509	Nut, 1/2-13.....	8
3	302007	Latch, w/grip (RH).....	1	40	303173	Brace, handle	2
	303019	Grip, latch	1	41	805008	Lockwasher, 1/2	2
4	302005	Latch, w/grip (LH)	1	42	543364	Tank, fuel.....	1
	303019	Grip, latch	1	43	513508	Cap, fuel tank	1
5	303435	Washer, 1/4 disc spring	4	44	513645	Bushing, fuel valve	1
6	804255	Nut, nylock 1/4-20.....	2	45	543277	Elbow, 90°	1
7	800257	Screw, 1/4-20 x 1-3/4.....	2	46	303077	Clamp, fuel line (Koh).....	6
8	323129	Cable, control (throttle)	1		303077	Clamp, fuel line (Kaw)	5
9	513592	Knob, red ball.....	1	47	523131	Fuel line (12.5 Kaw).....	1
10	804252	Nut, nylock #10-24.....	2		523131	Fuel line (Kohler)	1
11	807513	Bolt, carriage #10-24 x 1/2.....	2		523131	Fuel line (14 Kaw).....	1
12	806003	Hairpin, cotter	4	48	303197	Filter, fuel.....	1
13	302006	Lever, drive (w/grip).....	2	49	303307	Fuel line (Kohler)	1
14	808250	Pin, clevis 3/16 x 1-3/4.....	2		523131	Fuel line (12.5 Kawasaki)	1
15	803001	Palnut, 3/16.....	2		523131	Fuel line (14 Kawasaki)	1
16	806340	Rollpin, 5/16 x 1	2	50	801062	Screw, 1/4-20 x 3	2
17	805258	Washer, 5/16	2	51	303465	Strap, 5 gal. fuel tank.....	2
18	323089	Linkage, brake	2	52	543792	Wingnut, nylock 1/4.....	2
19	323025	Linkage, caliper.....	2	53	323421	Harness, wiring (Kawasaki)....	1
20	302138	Lever, OPC (RH)	1		323149	Harness, wiring (Kohler).....	1
21	303365	Bushing, nylon	1	54	543296	Grommet	1
22	303364	Rod, connecting.....	1	55	303335	Plastic tie, 7-15/16.....	1
23	303369	Bushing, flanged	1	56	303287	Plastic tie, 5 1/2	9
24*	602507	Lever, OPC (LH).....	1			Plastic tie, 5 1/2 (Kaw).....	10
25 ^f	803322	Setscrew, 5/16-24 x 5/16.....	2	57	323145	Interlock, OPC (B&S/Kaw)	1
26	303363	Spring, actuator	1		323146	Interlock, OPC (Kohler)	1
27	803034	Palnut, 9/16-18	1	58	800251	Screw, 1/4-20 x 5/8	1
28	303372	Operator Control Switch	1	59	603770	Valve, fuel.....	1
29	303088	Clip, cable	1	60	303306	Fuel line (Kohler)	1
30	303160	Spring, compression.....	1		523131	Fuel line (12.5 Kaw).....	1
31	804257	Nut, nylock 3/8-16.....	5		303022	Fuel line (14 Kaw).....	1
32	323298	Linkage, blade drive.....	1	61	804255	Nut, nylock 1/4-20	1
33	322157	Lever, blade engagement w/grip	1	62	303021	Grip, drive lever	2
34	805260	Washer, 3/8	2	63	303020	Grip, lever.....	1
35	800296	Screw, 3/8-16 x 2.....	1	64	303321	Gasket, fuel cap	1
36	322073	Handle wldmnt (5-spd).....	1	65	303308	Clamp, hose (Kawasaki)	1
37	800292	Screw, 3/8-16 x 1.....	6	66	323423	Clip, 1/4" loom (Kawasaki)	1

^f Use Pro-lock nut type (Part No. 840022, .5ml tube) on setscrew threads.

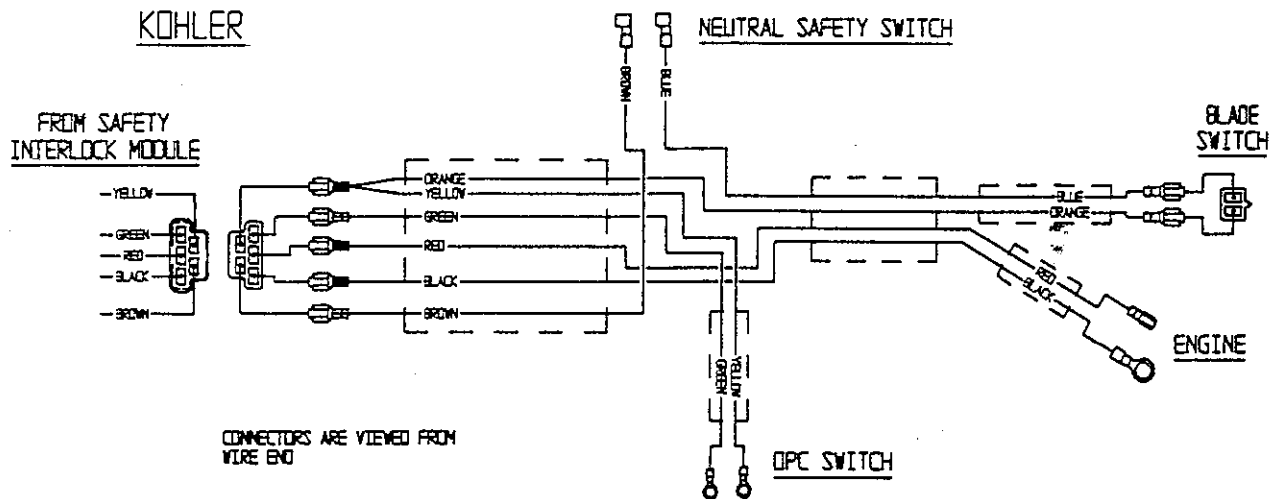
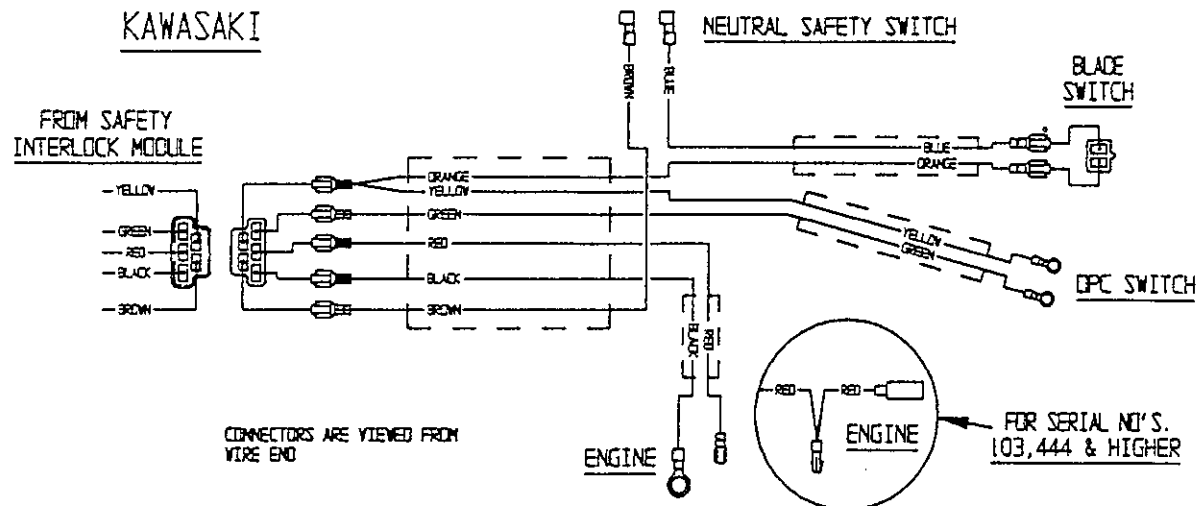
- ♦ Apply Pro-lock Retaining 1 (Part No. 840023, .5cc tube) to inside bore of OPC hub (see Operators Manual).

DECALS



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	323321	Decal, Viking (small)	1	11	403005	Danger label (36" deck)	1
2	323320	Decal, Viking (large)	1		403005	Danger label (48" & 52" deck) .	2
3	303293	Decal, 2 Minute Cool	1	12	513746	Decal, Muffler	1
4	303085	Instruction label	1	13	403131	Decal, Commercial 48	1
5	303508	Decal, Discharge Warning	1	14	303481	Decal, Carbon Monoxide	1
6	323151	Decal, Throttle/Choke	1	15	403132	Decal, Commercial 52	1
7	303520	Decal, TriVantage	1	16	303100	Decal, Cutter Blade	1
8	303102	Neutral Lock label	2	17	303517	Decal, Belt Drive	1
9	543774	Decal, Danger	1	18	303518	Decal, Shifter	1
10	323411	Decal, Commercial 36	1				

WIRING DIAGRAM



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**EXMARK MFG. CO. INC.
INDUSTRIAL PARK BOX 808
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