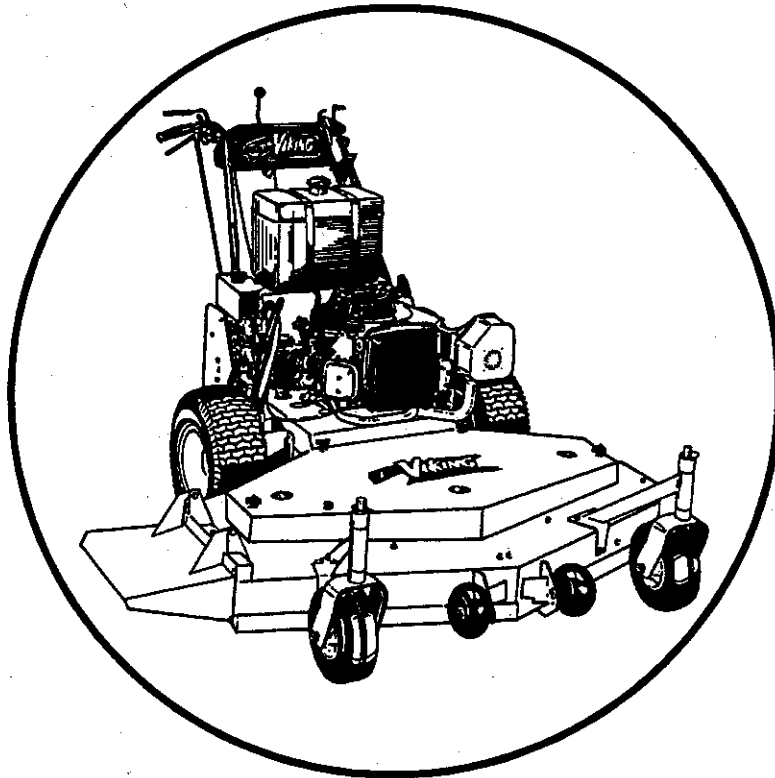




For Serial Nos.
115,000 and Higher

VIKING HYDRO



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 front engine frame on the right hand side of the machine.

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. 850399

EXMARK PARTS PLUS® PROGRAM

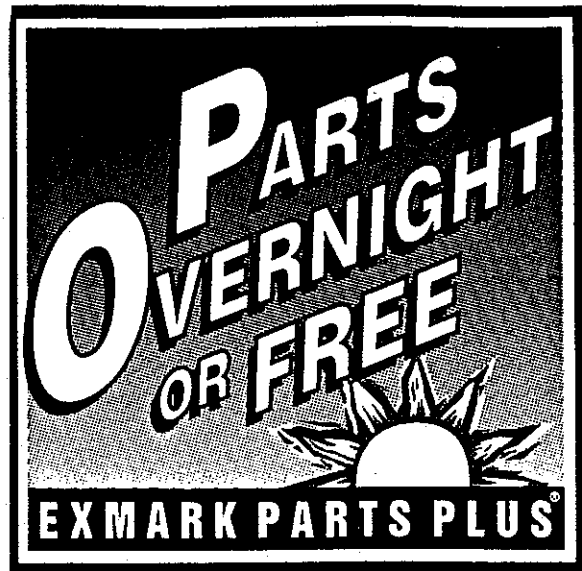
EFFECTIVE DATE: September 1, 1995

Program

If your Exmark dealer does not have the Exmark part in stock, Exmark will get the parts to the dealer the next business day or the part will be FREE* Guaranteed!!

How the Program Works

1. If dealer does not have part in stock for a "down" unit at the time of request by customer, the dealer contacts his distributor by 1:00 p.m., local time, and requests Exmark Parts Plus® shipment of six (6) line items or less.
2. Distributor ships part(s) to dealer or customer, as requested by dealer, same day, overnight UPS. Distributor bills dealer for part and freight charges where applicable.
3. If distributor does not have the part(s) in stock to satisfy Exmark Parts Plus® order, he contacts Exmark by 3:00 p.m., central time, with an Exmark Parts Plus® order of six (6) line items or less.
4. If order is received by 3:00 p.m. central time, Exmark ships part(s) direct to dealer or customer, as requested by distributor, same day, overnight UPS. Exmark bills the distributor for parts and shipping charges, where applicable.
5. The customer pays for the part and freight if it is shipped under the Exmark Parts Plus® and if it arrive in accordance to the program.
6. Who pays for the part and freight if it fails to arrive overnight in accordance to the program?
 - A. Under any circumstance the customer does not pay.
 - B. If the part does not arrive overnight due to:
 1. The dealer not submitting the Exmark Parts Plus® order to his Exmark distributor by 1:00 p.m., the dealer pays for the part and freight.
 2. The Distributor being unable to ship the part the same day or not submitting the Exmark Parts Plus® order to Exmark by 3:00 p.m., central time, the Distributor pays for the part and freight.
 3. Exmark being unable to ship the part and the Exmark parts order is received by 3:00 p.m., central time, Exmark pays for the part and freight.
 4. If the part does not arrive overnight due to the shipper (UPS), the shipper pays for the freight and Exmark pays for the part.



The following restrictions apply -- The Exmark Parts Plus® Program is available only through participating Exmark Dealers and applies only to orders submitted on this program Monday through Thursday. UPS has initiated a Saturday delivery program to many areas of the continental United States and can be requested for an overnight shipment on Friday to be delivered Saturday. The next day air charge, plus the Saturday delivery fee will be the responsibility of the purchaser. Exmark Mfg. will assume no responsibility for Saturday delivery shipments. To qualify, all Exmark Parts Plus® orders must be received by Exmark by 3:00 p.m., central time. Orders must be six (6) line items or less. Exclusions from the Exmark Parts Plus® Program are: Any wholegood or accessory in its entirety, engines and engine replacement parts, 5-speed Peerless transmissions and 5-speed transaxles, hydraulic or hydrostatic wheel motors, cutter decks and engine decks or any item exceeding United Parcel Service size and weight restrictions.

Due to UPS restrictions, aerosol spray paint is considered a hazardous material and cannot be shipped via UPS next day or Second Day Air.

Exmark Manufacturing stocks a limited supply of parts for transaxles, pumps and wheel motors. These parts can be ordered for Next Day Air shipment but will not be guaranteed per the Parts Plus Program.

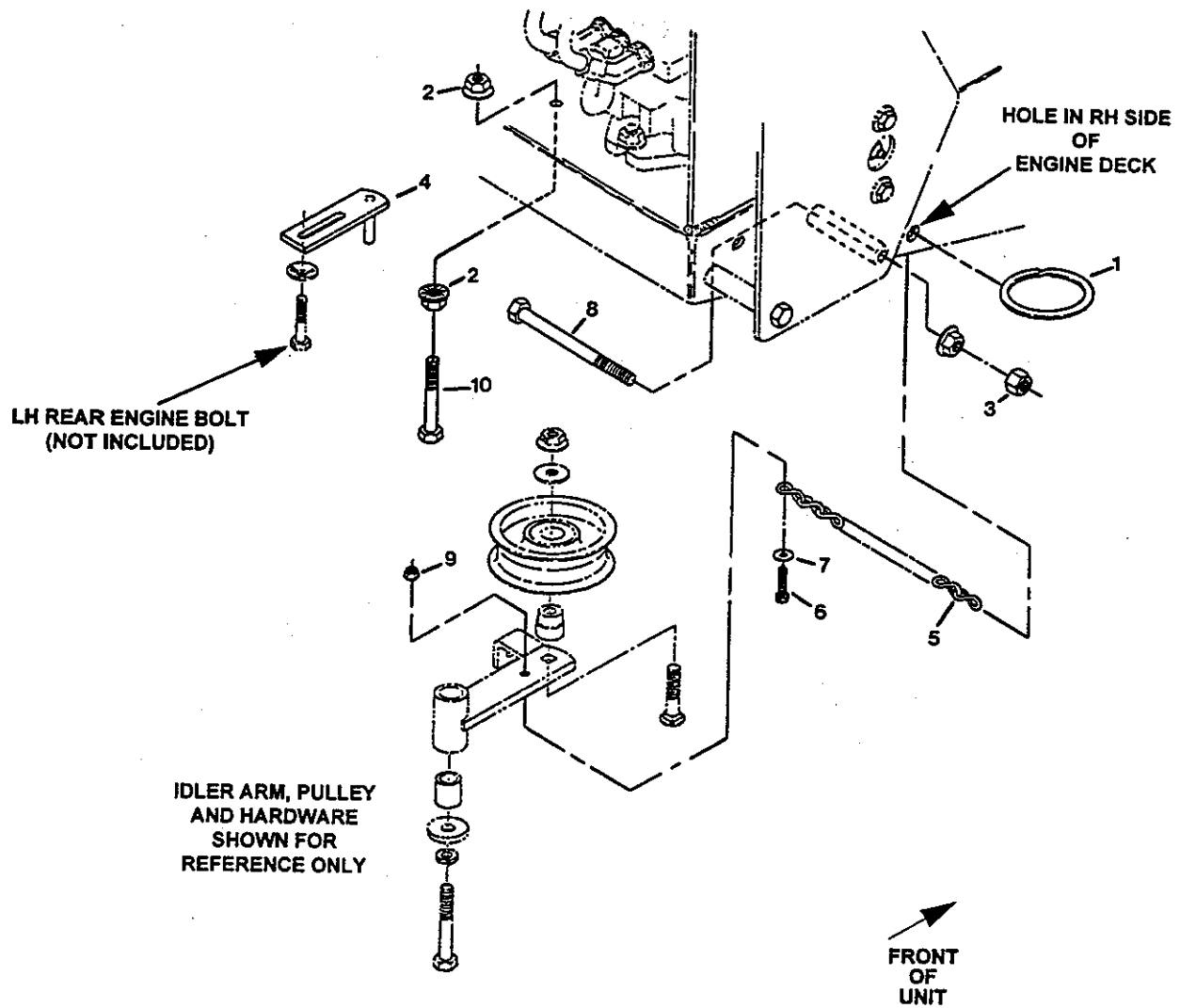


**READ OPERATOR'S OPERATOR'S MANUAL BEFORE
OPERATING OR SERVICING EXMARK EQUIPMENT.**

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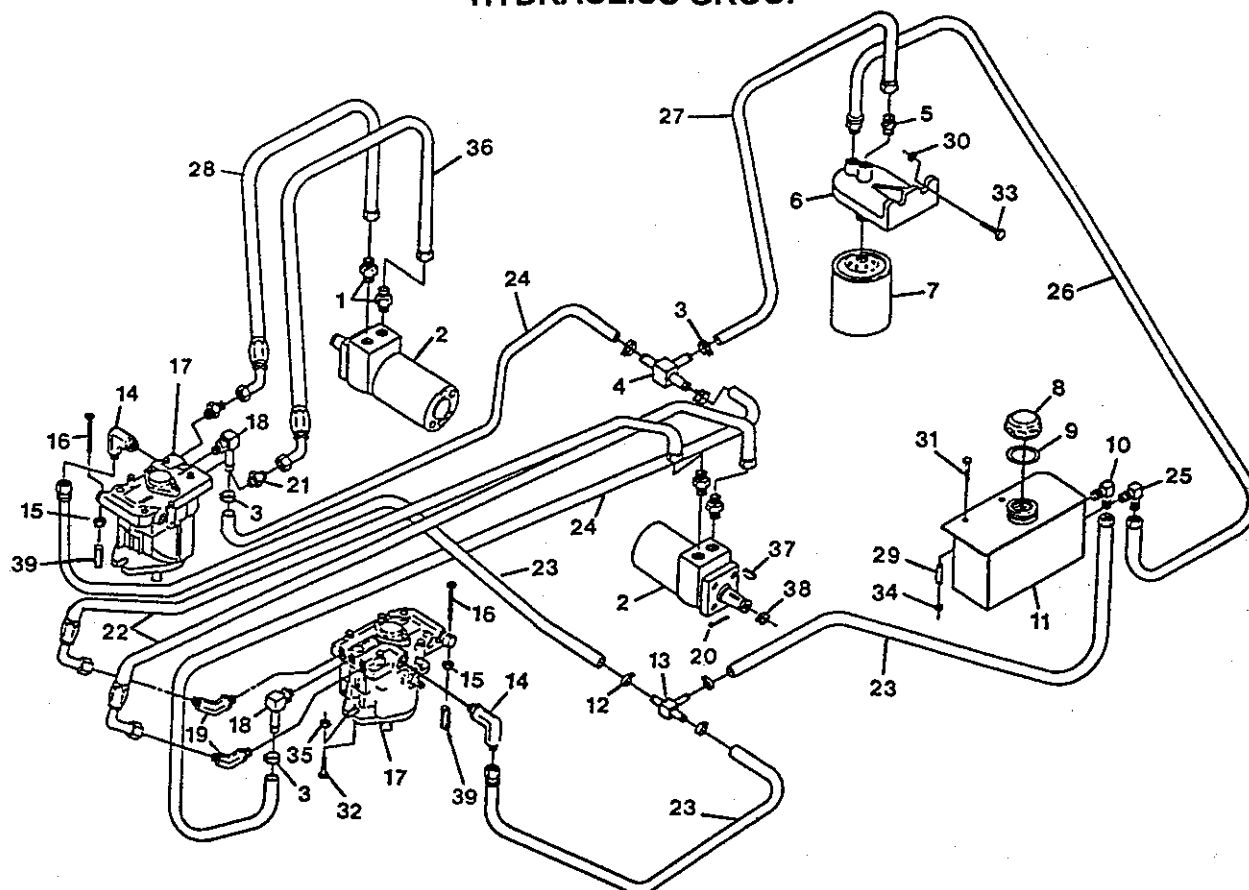
COLD WEATHER START KIT



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	323366	Split ring.....	1	6	809069	Screw, 10-24 x 7/8 hx sckt hd.	1
2	809007	Nut, whizlock 3/8-16.....	2	7	805252	Washer, #10.....	1
3	804257	Nut, nylock 3/8-16.....	1	8	800303	Screw, 3/8-16 x 4 1/2.....	1
4	322110	Guide, belt.....	1	9	804252	Nut, nylock 10-24.....	1
5	323365	Chain, twist link.....	1	10	800297	Screw, 3/8-16 x 2 1/4.....	1

The complete replacement kit is offered as Part No. 321007.

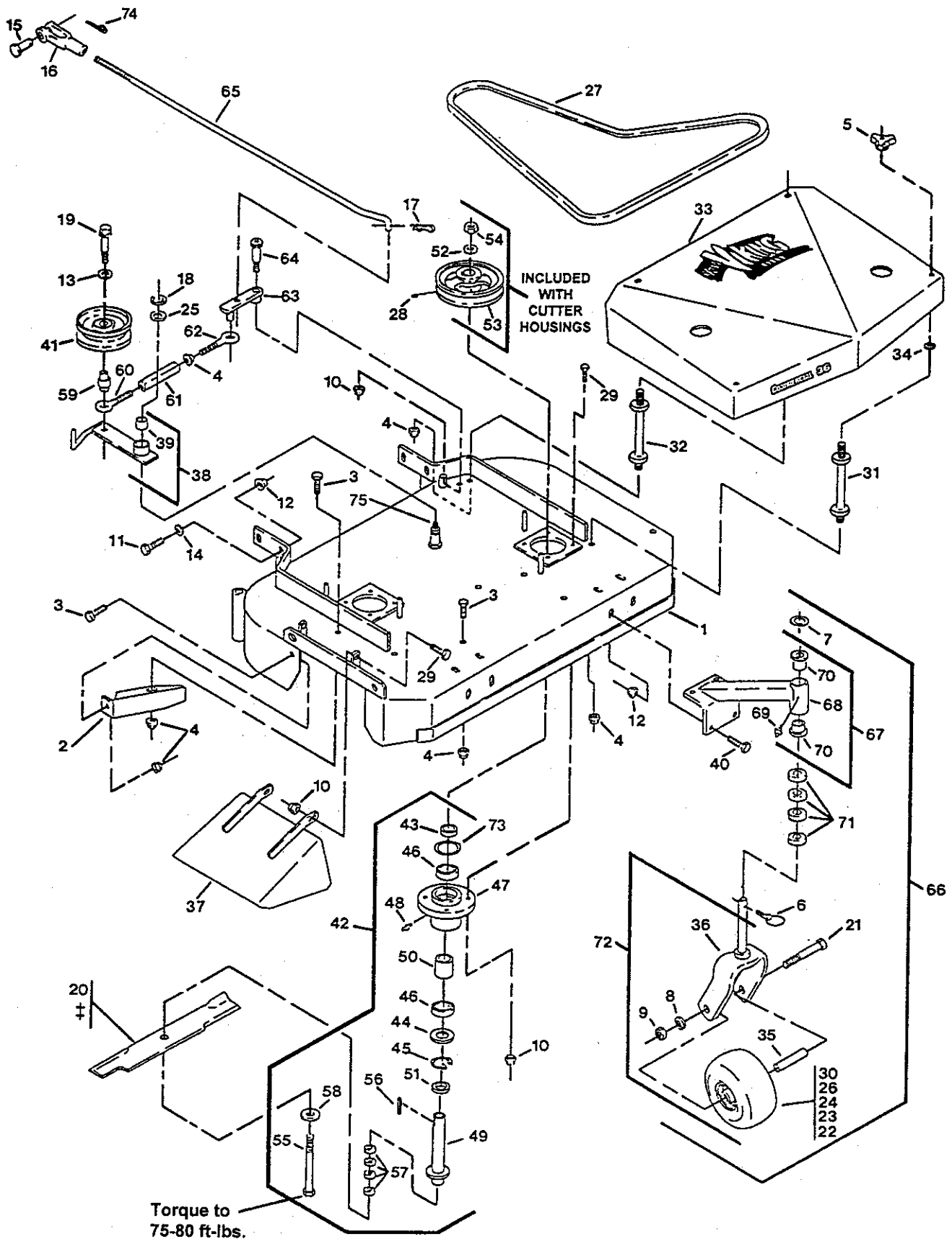
HYDRAULICS GROUP



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	603991	Fitting, strght connector.....	4	(19)	603920	Boss O-Ring.....	1
	603919	Boss O-Ring	1	20	806800	Pin, cotter 9/64 x 1 1/2	2
	603992	Flare O-Ring	1	21	603990	Adapter, straight thread	2
2	603718	Wheel motor	2		603920	Boss O-Ring.....	1
3	603827	Clamp, hose	5		603992	Flare O-Ring	1
4	603721	Fitting, 3/8 Hose Tee	1	22	323241	Hose, hydro RH	2
5*	513510	Connector, male	1	23	602750	Hose, case drain	3
6	603720	Head, filter	1	24	303526	Hose, charge pump.....	2
7	513211	Element, oil filter.....	1	25*	603988	Elbow, 90°	1
8	513167	Cap, hydraulic reservoir	1	26	602985	Hose, supply	1
9	523103	Gasket, tank cap	1	27	602754	Hose, charge line	1
10*	603987	Elbow, 90°	1	28	523210	Hose, hydro LH	1
11	512166	Reservoir, hydraulic fluid	1	29	323218	Spacer, hydraulic tank	2
12	603826	Hose Clamp.....	3	30	809001	Nut, whizlock 5/16-18.....	2
13	603722	Fitting - 1/4 Hose Tee.....	1	31	800258	Screw, 1/4-20 x 2	2
14	513840	Elbow - 90°	2	32	800292	Screw, 3/8-16 x 1	4
	603921	O-Ring	1	33	800273	Screw, 5/6-18 x 1	2
15	804255	Nut, nylock 1/4-20	2	34	809012	Nut, whizlock 1/4-20.....	2
16	801060	Screw, 1/4-20 x 2	2	35	809007	Nut, whizlock 3/8-16.....	4
17	613042	Pump, hydro	2	36	523210	Hose, LH (36" deck).....	1
18	603989	Elbow, 90°	2		403102	Hose, LH (48" & 52" decks)	1
	603923	O-Ring	1	37	807019	Key, woodruff 1.0 x .25	2
19	523221	Elbow, 45°	2	38	809068	Nut, 3/4-16, 2B slotted	2
	603992	Flare O-Ring.....	1	39	613073	Grip, dump valve	2

* Use Teflon Pipe Sealant or equivalent on hydraulic reservoir and filter head fittings.

36" MOWER DECK



36" MOWER DECK

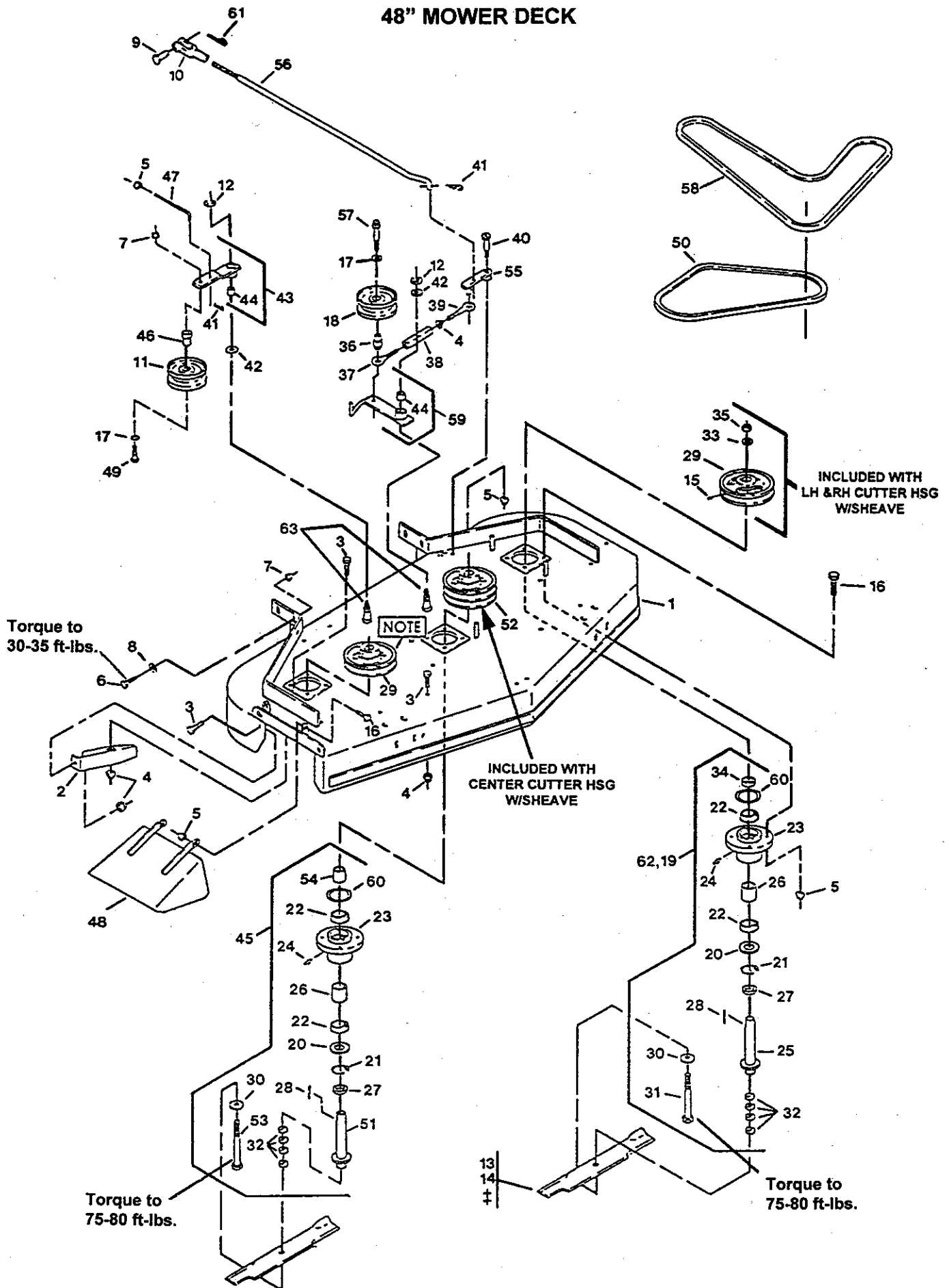
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	302227	Front deck w/baffles (36").....	1	37	302054	Chute.....	1
2	302189	Baffle, dogleg.....	1	38	302129	Arm, engagement w/bushing .	1
3	800270	Screw, 5/16-18 x 5/8	6	39	303144	Bearing, powder metal	1
4	809001	Nut, whizlock 5/16-18	11	40	800290	Screw, 3/8-16 x 3/4	8
5	323385	Knob, belt cover	4	41	603843	Idler pulley (heavy duty).....	1
6	809020	Quick pin, 10" caster	1	42	322166	Cutter housing complete	2
7	513338	Washer, special.....	1	43	323402	Spacer, bearing sheave	2
8	805008	Lockwasher, 1/2	1	44	323408	Shield, dust	2
9	804509	Nut, 1/2-13.....	1	45	808506	Retaining ring	2
10	804256	Nut, nylock 5/16-18	11	46	303543	Bearing, cutter housing	4
11	800292	Screw, 3/8-16 x 1	6	47	323315	Cutter housing.....	2
12	809007	Nut, whizlock 3/8-16	14	48	811001	Zerk, 1/8 N.P.T. (strght)	2
13	805259	Washer, 3/8	2	49	322164	Cutter spindle	2
14	303327	Washer, disc spring 3/8.....	6	50	323400	Spacer (long)	2
15	808280	Pin, clevis 5/16 x 1	1	51	323399	Spacer (short)	2
16	303105	Yoke	1	52	323339	Washer, sheave (retaining).....	1
17	806003	Cotter hairpin.....	1	53	303535	Pulley	2
18	808505	E-Ring for .875 rd.	1	54	804510	Nut, 5/8-18 UNF	2
19	803003	Screw, whzck 3/8-16 x 1 3/4..	1	55	800861	Screw, 5/8-18 x 8	2
20	303146	Blade, 18" high Lift (std.)	2	56	807267	Key, 1/4 x 3/16 x 1 1/4	2
±	303495	Blade, mulching (opt.)	2	57	303164	Spacer, blade drive	8
	303439	Blade, low lift (opt.)	2	58	513208	Washer, 5/8 spring disc	2
	303283	Blade, 1/4 x 18 high lift (opt.)..	2	59	303434	Bushing, engagement.....	1
21	800334	Screw, 1/2-13 x 6	2	60	303348	Eye bolt (left hand thread).....	1
22	513810	Bushing	4	61	303236	Turnbuckle body	1
23	513809	Roller bearing	2	62	303238	Eye bolt (right hand thread)	1
24	513808	Tire, 9 x 3.50-4 4-ply	2	63	302198	Arm, assist	1
25	303352	Washer, spindle.....	2	64	809011	Bolt, 3/8 x 3/4 (shoulder).....	1
26	513807	Wheel & hub.....	2	65	323174	Linkage, assist arm	1
27	323200	Belt, blade drive.....	1	66	322153	Caster/mount, complete	2
28	803310	Setscrew, 5/16-18 x 3/8.....	4	67	302203	Support, caster (w/brngs).....	2
f	840022	Prolock (Nut type) .5 ml tube..	1	68	302194	Caster wheel support wldmnt..	2
29	800273	Screw, 5/16-18 x 1	10	69	811001	Zerk, 1/8 N.P.T.....	2
30	513648	Wheel & tire, complete	2	70	303514	Flange, thrust bearing	4
31	303537	Stud, belt shield (short)	2	71	303314	Spacer, 10" caster.....	8
32	303536	Stud, belt shield (long).....	2	72	322154	Caster wheel assembly	2
33	302218	Shield, 36" Viking Hydro.....	1	73	303542	O-Ring.....	2
34	323417	Washer, belt cover mount	4	74	806753	Pin, cotter 3/32 x 1/2	1
35	513547	Spacer, front caster.....	1	75	811006	Zerk, 1/4-28 STRT	1
36	322145	Fork wldmnt, caster.....	1				

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

± Requires installation of Mulching Kit.

■ Use retaining type loctite (P/N 840023) on blade drive sheaves.

48" MOWER DECK



48" MOWER DECK

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	4020 ⁹⁶	Front Deck w/baffles (48")	1	32	303164	Spacer, blade drive	12
2	302189	Baffle, dogleg	1	33	323339	Washer, retainer (sheave)	3
3	800270	Screw, 5/16-18 x 5/8	10	34	323402	Spacer, bearing (sheave)	2
4	809001	Nut, whizlock 5/16-18	11	35	804510	Nut, 5/8-18 UNF	3
5	804256	Nut, nylock 5/16-18	16	36	303434	Bushing, engagement	1
6	800292	Screw, 3/8-16 x 1	6	37	303348	Eye bolt (left hand thread)	1
7	809007	Nut, whizlock 3/8-16	5	38	303236	Turnbuckle body	1
8	303327	Washer, disc spring 3/8	6	39	303238	Eye bolt (right hand thread)	1
9	808280	Pin, clevis 5/16 x 1	1	40	809011	Bolt, 3/8 x 3/4 (shoulder)	1
10	303105	Yoke	1	41	806003	Hairpin	2
11	403119	Pulley, idler "V"	1	42	303352	Washer, spindle	2
12	808505	E-Ring for .875 rd.	2	43	402053	Idler arm, (w/bushing) cmplt.	1
13	403026	Blade, Ultra High Lift 16" (std.) ..	3	44	303144	Powder metal bearing	1
14	403059	Blade, 1/4 x 16 High Lift (opt.) ..	3	45	402077	Housing, cutter w/sheave (ctr.) ..	1
‡	403086	Blade, mulching (opt.)	3	46	603496	Bushing, idler bearing	1
15	803310	Setscrew, 5/16-18 x 3/8	6	47	403107	Rod, belt tension	1
f	840022	Prolock (Nut type) .5 ml tube ..	1	48	302054	Chute	2
16	800273	Screw, 5/16-18 x 1	14	49	800295	Screw, 3/8-16 x 1 3/4	1
17	805259	Washer, 3/8	2	50	403025	Belt, "V"	1
18	603843	Idler pulley (heavy duty)	1	51	402075	Spindle, cutter hsgng (long)	1
19	322166	Housing, cutter w/sheave (LH) ..	1	52■	403133	Sheave (double groove)	1
20	323408	Dust shield	3	53	800862	Screw, 5/8-18 x 8 1/2	1
21	808506	Retaining ring	3	54	323404	Spacer, bearing (cntr sheave) ..	1
22	303543	Cutter housing bearing	6	55	302198	Arm, assist	1
23	323315	Cutter housing	3	56	323174	Linkage, assist arm	1
24	811001	Zerk, 1/8 N.P.T. (straight)	3	57	803003	Screw, whzlk 3/8-16 x 1 3/4 ..	1
25	322164	Spindle, cutter, (LH)	3	58	303499	Belt, drive (48" deck)	1
26	323400	Spacer (long)	3	59	302129	Arm, engagement	1
27	323399	Spacer (short)	3	60	303542	O-Ring	3
28	807267	Key, 1/4 x 3/16 x 1 1/4	3	61	806753	Pin, cotter	1
29■	303535	Sheave (single groove)	2	62	322167	Housing, cutter w/sheave (RH) ..	1
30	513208	Washer, 5/8 spring disc	3	63	811006	Zerk, 1/4-28 STRT	2
31	800861	Screw, 5/8-18 x 8	2				

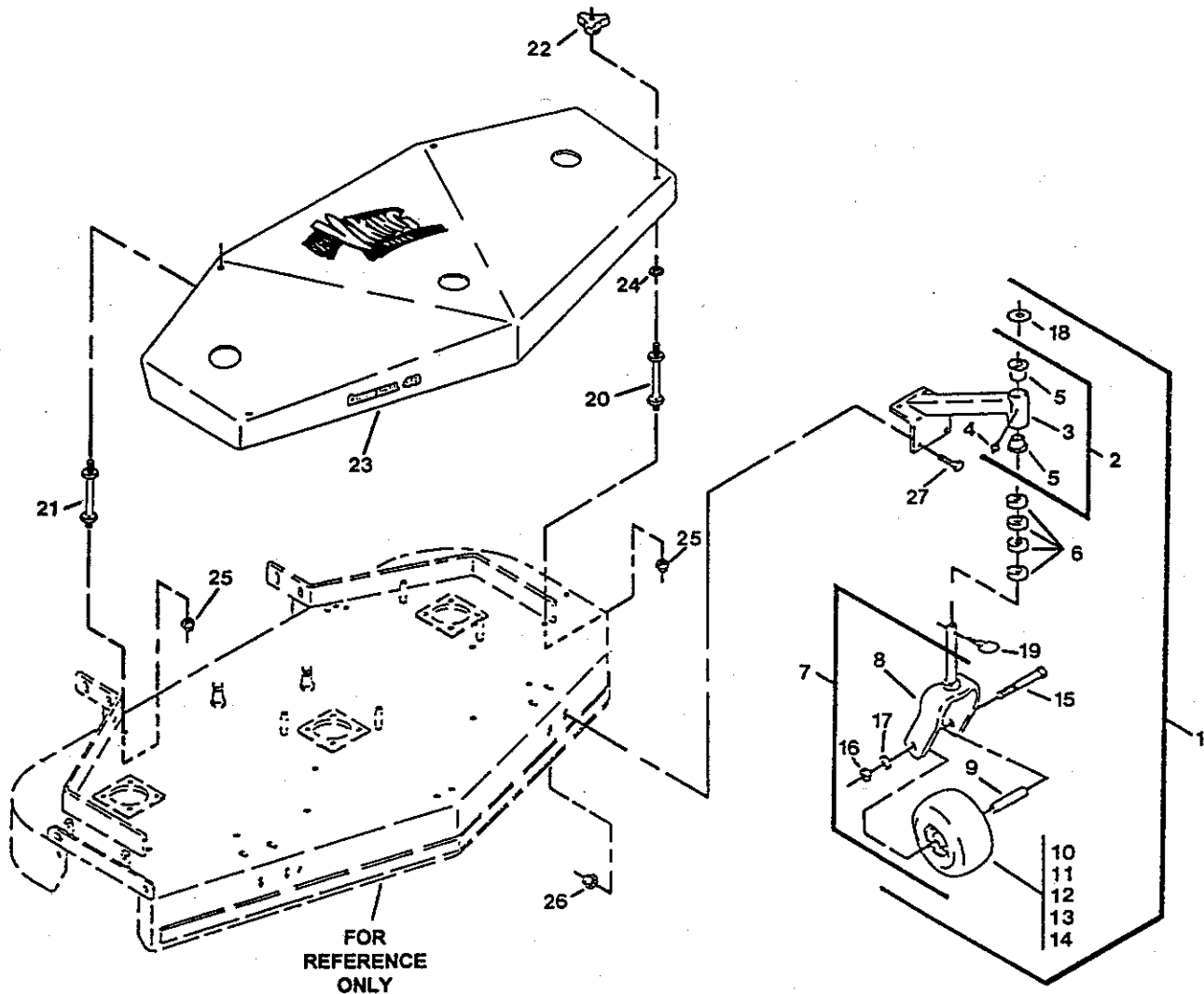
‡ Requires installation of Mulching Kit (Part No. MK48-2).

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

■ Use retaining type loctite (P/N 840023) on blade drive sheaves

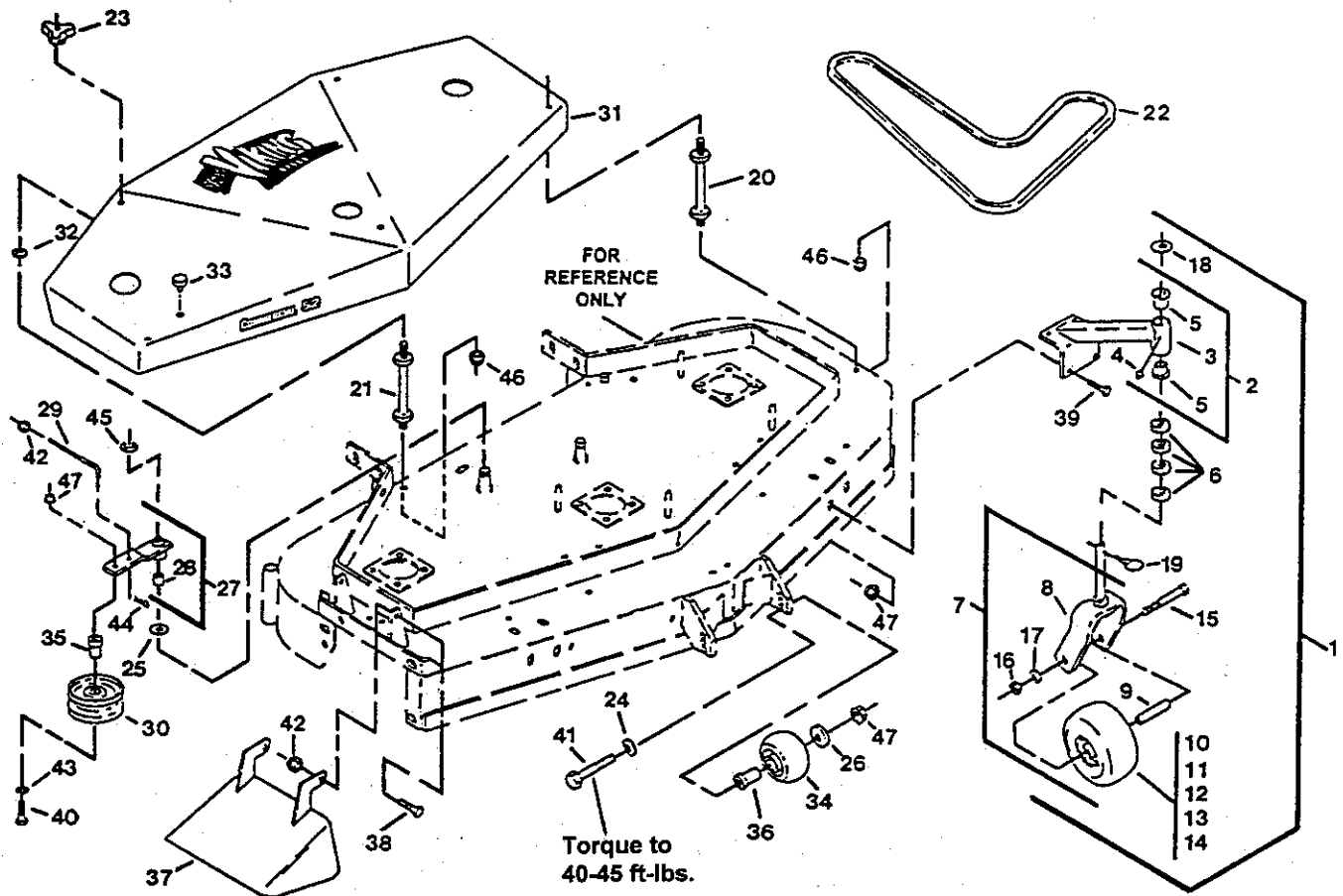
NOTE: The pulley on the **right hand** side (from operators position) cutter housing is turned upside down with the long side of the hub facing up.

48" MOWER DECK (con't)



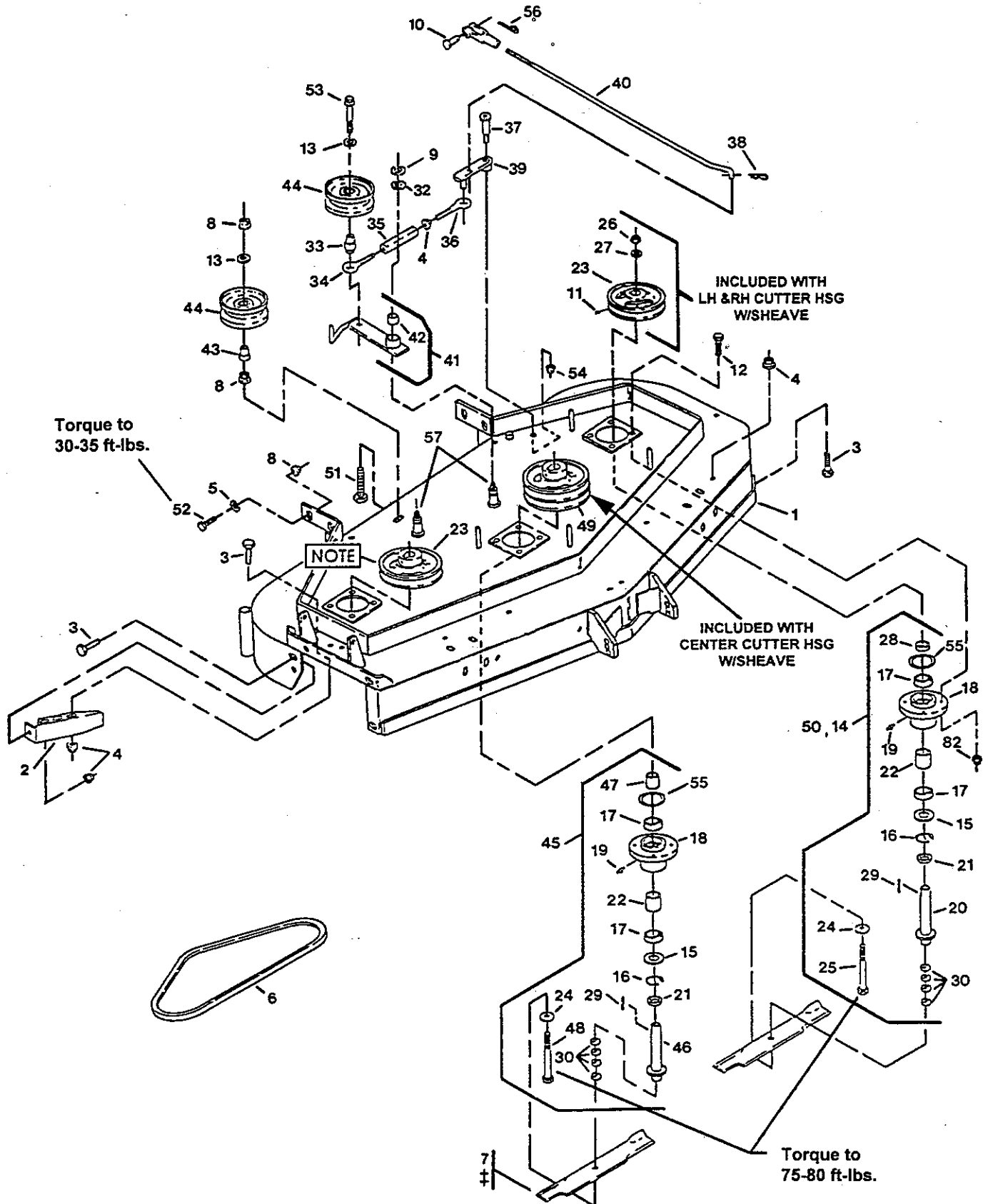
Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322153	Caster mount complete	2	14	513810	Bushing	4
2	302203	Support, caster wheel (w/bearings).....	2	15	800334	Screw, 1/2-13 x 6	2
3	302194	Support, caster wheel wldmnt	2	16	804509	Nut, 1/2-13.....	2
4	811001	Zerk, 1/8 N.P.T.....	2	17	805008	Lockwasher, 1/2	2
5*	303514	Flange, thrust bearing	4	18	513338	Washer	2
6	303314	Spacer, 10" caster.....	8	19	809020	Quick pin, 10" caster	2
7	322154	Wheel assembly (caster).....	2	20	303537	Stud, belt shield (short)	2
8	322145	Fork wldmnt, caster.....	2	21	303536	Stud, belt shield (long).....	2
9	513547	Spacer, front caster.....	2	22	323385	Knob, belt cover	4
10	513648	Wheel & tire, complete	2	23	402072	Shield, 48" Viking Hydro.....	1
11	513807	Wheel & hub.....	2	24	323417	Washer, belt cover mount	4
12	513808	Tire, 9 x 3.50-4 4-ply	2	25	809001	Nut, whizlock 5/16-18	4
13	513809	Roller bearing.....	2	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).....	2	25	303352	Washer, spindle	1
3	302194	Support, caster wheel wldmnt.	2	26	373034	Washer, pivot.....	2
4	811001	Zerk, 1/8 N.P.T.	2	27	402053	Idler arm, complete (right).....	1
5*	303514	Flange, thrust bearing.....	4	28	303144	Bushing	1
6	303314	Spacer, 10" caster	8	29	403107	Rod, belt tension	1
7	322154	Wheel assembly (caster)	2	30	403119	Pulley, idler "V".....	1
8	322145	Fork wldmnt, caster	2	31	404163	Shield, 52" Viking Hydro.....	1
9	513547	Spacer, front caster	2	32	323417	Washer, belt cover mount.....	4
10	513648	Wheel & tire, complete.....	2	33	513291	Bumper, rubber	1
11	513807	Wheel & hub	2	34	603299	Roller, anti-scalp	2
12	513808	Tire, 9 x 3.50-4 4-ply.....	2	35	603496	Bushing, idler bearing	1
13	513809	Roller bearing	2	36	603602	Bushing, roller	2
14	513810	Bushing.....	4	37	602571	Chute.....	1
15	800334	Screw, 1/2-13 x 6.....	2	38	800273	Screw, 5/16-18 x 1.....	2
16	804509	Nut, 1/2-13.....	2	39	800290	Screw, 3/8-16 x 3/4.....	8
17	805008	Lockwasher, 1/2.....	2	40	800296	Screw, 3/8-16 x 2.....	1
18	513338	Washer	2	41	800807	Screw, 3/8-16 x 4.....	2
19	809020	Quick pin, 10" caster.....	2	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).....	2	44	806003	Hairpin.....	1
22	403088	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 (52") w/baffle.....	1	28	323402	Spacer, bearing.....	2
2	402057	Baffle, discharge.....	1	29	807267	Key, 1/4 x 3/16 x 1 1/4	3
3	800270	Screw, 5/16-18 x 5/8	12	30	303164	Spacer, blade drive	12
4	809001	Nut, whizlock 5/16-18	11	31	303105	Yoke	1
5*	303327	Washer, 3/8 disc spring.....	6	32	303352	Washer, spindle	1
6	403105	Belt, "V" (front deck)	1	33	303434	Bushing, engagement	1
7	303527	Blade, high lift 18"(std.)	3	34	303348	Eye bolt (left hand thread).....	1
	303439	Blade, low lift (opt.)	3	35	303236	Turnbuckle body	1
‡	303495	Blade, mulching (opt.)	3	36	303238	Eye bolt (right hand thread)	1
	303283	Blade, 1/4 x 18" high lift (opt.)	3	37	809011	Bolt, 3/8 x 3/4 (shoulder).....	1
8	809007	Nut, whizlock 3/8-16	8	38	806003	Hairpin.....	1
9	808505	E-Ring for .875 rd.	1	39	302198	Arm, assist	1
10	808280	Pin, clevis 5/16 x 1	1	40	403111	Linkage, assist arm	1
11	803310	Setscrew, 5/16-18 x 3/8.....	6	41	302129	Arm, engagement (w/bshng)...	1
f	840022	Prolock (Nut type) .5 ml tube..	1	42	303144	Bushing, powdered metal.....	1
12	800273	Screw, 5/16-18 x 1	12	43	543879	Bushing, idler	1
13	805259	Washer, 3/8	3	44	603843	Pulley, idler (heavy duty).....	2
14	322166	Housing, cutter (w/shv) (LH) ..	1	45	402077	Housing, cutter (w/shv) (cntr)..	1
15	323408	Shield, dust.....	3	46	402075	Cutter spindle wldmnt (long) ..	1
16	808506	Ring, retaining	3	47	323404	Spacer, bearing (center shv)...	1
17	303543	Bearing, cutter housing	6	48	800862	Screw, 5/8-18 x 8 1/2	1
18	323315	Housing, cutter	3	49■	403133	Sheave (double groove).....	1
19	811001	Zerk, 1/8 N.P.T. (straight).....	3	50	322167	Cutter housing w/sheave (RH)	1
20	322164	Spindle, wldmnt (cutter).....	2	51	800029	Bolt, tap 3/8-16 x 2 1/4	1
21	323399	Spacer (short).....	3	52	800292	Screw, 3/8-16 x 1	6
22	323400	Spacer (long).....	3	53	803003	Screw, whzick 3/8-16 x 1 3/4 ..	1
23■	303535	Sheave (single groove)	2	54	804256	Nut, nylock 5/16-18	13
24	513208	Washer, 5/8 disc spring.....	3	55	303542	O-Ring.....	3
25	800861	Screw, 5/8-18 x 8	2	56	806753	Pin, cotter	1
26	804510	Nut, 5/8-18 UNF	3	57	811006	Zerk, 1/4-28 STRT	2
27	323339	Washer, retainer (sheave).....	3				

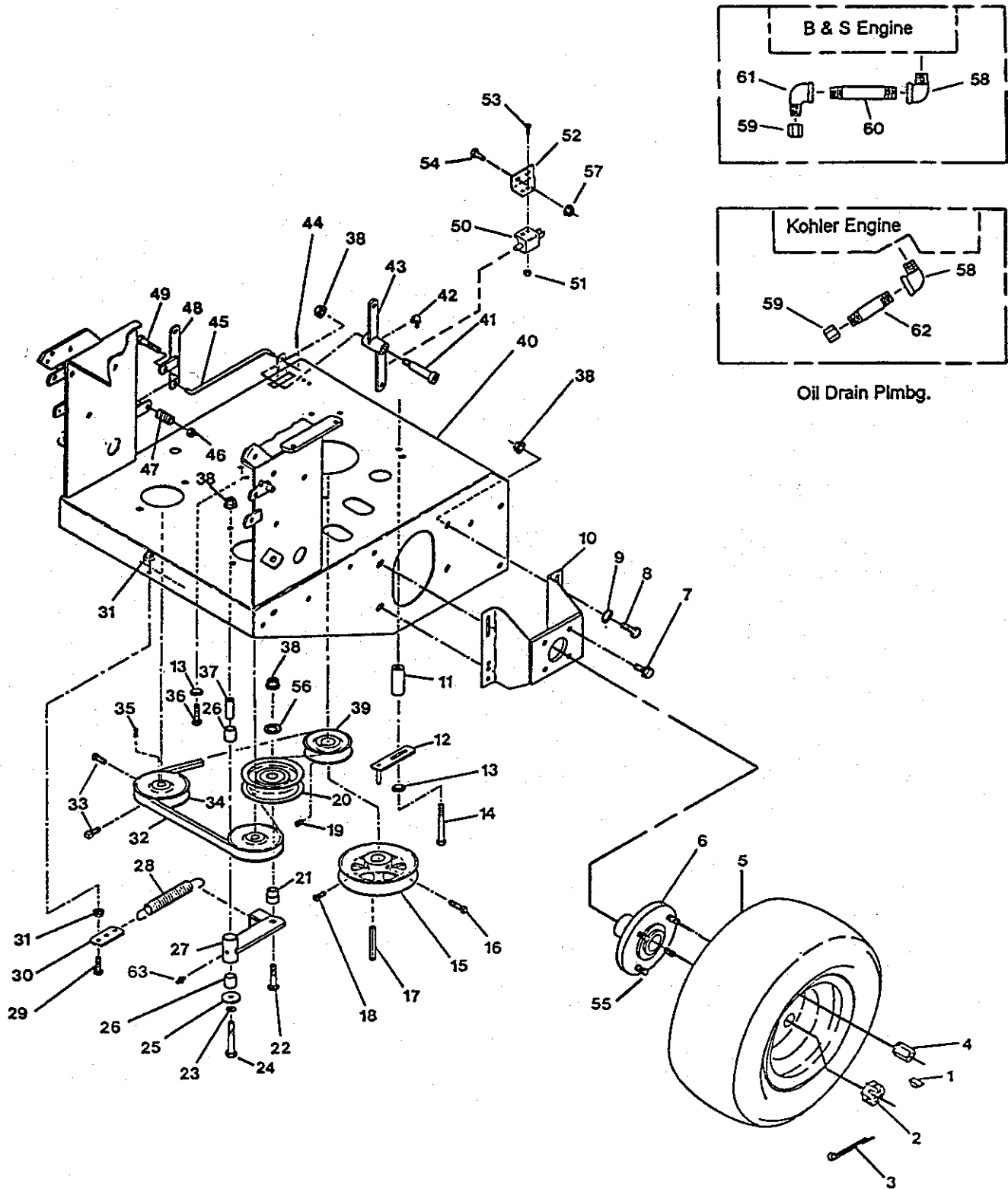
‡ Requires installation of Mulching Kit Part No. MK52-2.

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

■ Use retaining type loctite (P/N 840023) on blade drive sheaves.

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	807019	Key, woodruff 1 x 1/4	2	30	603801	Anchor, spring	1
2	809068	Nut, slotted 3/4-16	2	31	809001	Nut, whizlock 5/16-18	2
3	806800	Pin, cotter 9/64 x 1-1/2	2	32	323225	Belt, pump drive	1
4	513011	Nut, wheel	8	33▽	803050	Setscrew, 5/16-18 x 3/4	4
5	603714	Tire & Wheel Assembly	2	34	603778	Sheave - pump	2
	603427	Tire	1	35	807272	Key, 5mm sq. x 25mm	2
	603715	Wheel	1	36	809072	Screw, 1.25 x 25mm	
6*	602997	Hub, tapered (4 bolt)	2			(48" & 52" Kaw & Kohler)	1
7	803045	Screw, whizloc 3/8-16 x 3/4	8		809072	Screw, 1.25 x 25mm	
8	800292	Screw, 3/8-16 x 1	8			(48" & 52" Kaw & Kohler)	2
9	303327	Washer, 3/8 spring disc	8		800275	Screw, 5/16-18 x 1-1/2 (B & S) ..	1
10	322162	Mount, motor (36")	2	37	603044	Bushing - Idler pivot	1
	402062	Mount, motor (48" & 52")	2	38	809007	3/8-16 Whizlock Nut	10
11	323228	Spacer, belt guide	3	39	403092	Pulley, pump drive	1
12	322110	Belt guide (36")	3	f	840023	Pro-lock, retaining (.5cc tube) ..	1
		(48" & 52")	4	40	322160	Deck, engine	1
13	303334	Washer, 5/16 spring disc	4	41	809062	Bolt, .500 x 1.75 (shoulder)	1
14	809065	Screw, 1.25 x 75mm		42	811008	Zerk	1
		(36" Kaw & Kohler)	2	43	322108	Belcrank assy. w/zerk	1
	809065	Screw, 1.25 x 75mm		44	806003	Hairpin	1
		(48" & 52" Kaw & Kohler)	3	45	323172	Linkage, blade engagement ...	1
	800283	Screw, 5/16-18 x 3-1/2		46	804256	Nut, nylock 5/16-18	1
		(B & S)	3	47	323245	Spring, compression	1
15*	403087	Sheave, blade drive (48")	1	48	322090	Bellcrank	1
	303498	Sheave, blade drive (36")	1	49	800277	Screw, 5/16-18 x 2	1
16▽	803046	Setscrew, 5/16-18 x 1	1	50	513051	Switch, blade engagement	1
17	807264	Key, 1/4 sq. x 2-5/8	1	51	804252	Nut nylock 10-24	2
18▽	803022	Setscrew, 5/16-18 x 5/8	1	52	323213	Bracket, switch	1
19▽	803310	Setscrew, 5/16-18 x 3/8	2	53	801039	Screw, 10-24 x 5/8	2
20	603843	Idler, pulley	1	54	800251	Screw, 1/4-20 x 5/8	2
21	603496	Bushing, idler	1	55	543807	Stud, hub	8
22	807517	Screw, 3/8-16 x 1-3/4	1	56	805258	Washer, 5/16	1
23	805006	Lockwasher, 3/8	1	57	809012	Nut, whizlock 1/4-20	2
24	800298	Screw, 3/8-16 x 2-1/2	1	58♦	303431	Elbow St. 3/8 NPT (brass)	1
25	373034	Washer, swivel	1	59♦	543233	Cap, 3/8 NP	1
26	513034	Bearing, pivot	2	60♦	543232	Nipple, 4 x 3/8 NPT	1
27	602521	Arm, assy idler (w/bearings) ...	1	61♦	403124	Elbow, St. 3/8 NPT (galv)	1
	602458	Arm, assy idler (w/o bearings) ..	1	62♦	323326	Nipple, 3 3/8 NPT (Kohler)	1
28	603402	Spring, extension	1	63	811006	Zerk, 1/4-28 STRT	1
29	800273	Screw, 5/16-18 x 1	1				

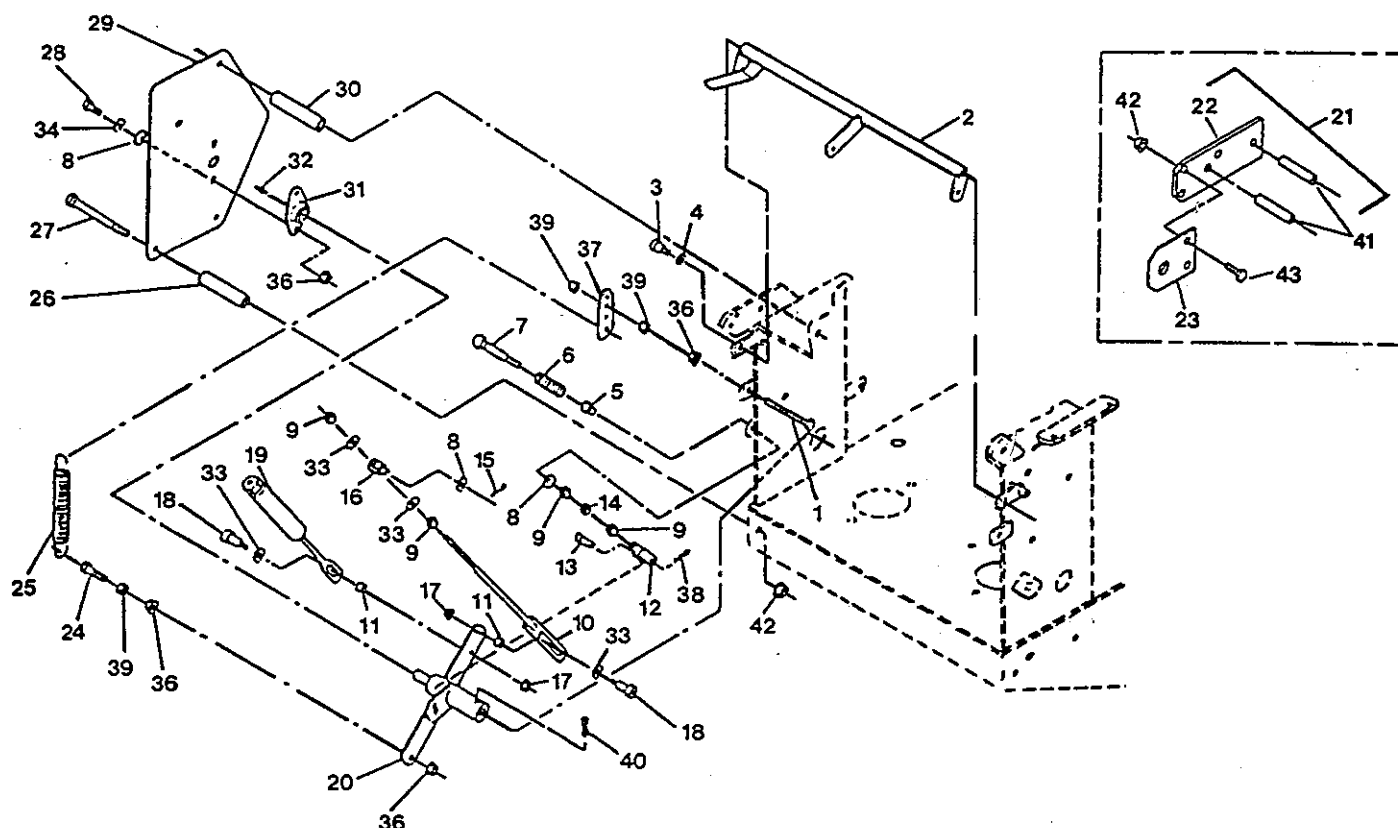
* Use anti-seize compound on pulley bore and on tapered bore of hub.

f Not illustrated. Use pro-lock (retaining type) of pulley bore.

▽ Use Pro-Lock (nut type, Part no. 840022, 5 ml tube) on setscrew threads.

♦ Use a Teflon pipe sealant of equivalent on threads.

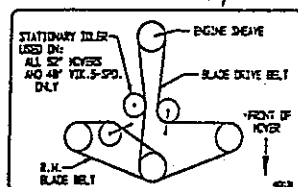
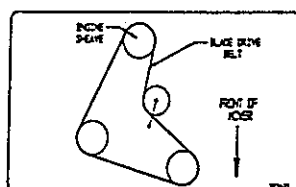
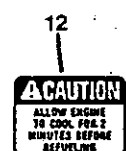
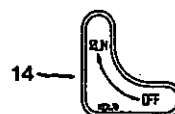
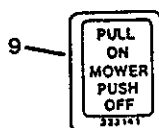
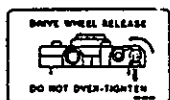
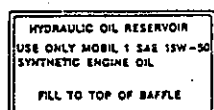
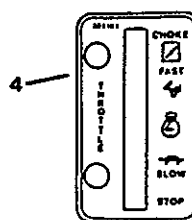
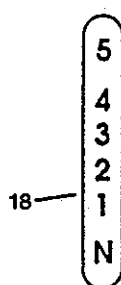
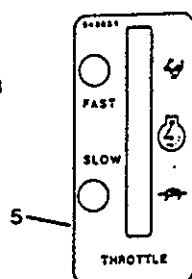
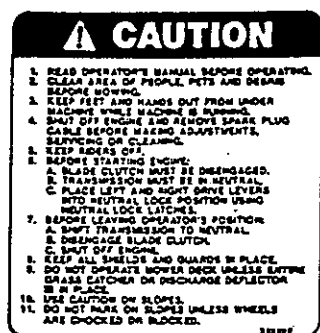
ENGINE DECK GROUP (con't.)



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	800021	Bolt, tap 5/16-18 x 3	2	22	373036	Mount, hitch.....	2
2	322096	Crank.....	1	23	323238	Bracket, hitch adapter	2
3	809056	Bolt, .375 x .375 (shoulder)	2	24	800274	Screw, 5/16-18 x 1-1/4	2
4	805259	Washer, 3/8	2	25	603693	Spring, extension.....	2
5	603735	Bushing, nylon flanged	2	26	323197	Spacer, short.....	4
6	603807	Spring, neutral return.....	2	27	800302	Screw, 3/8-16 x 4	7
7	603737	Bolt, neutral return.....	2	28	800271	5/16-18 x 3/4	4
8	805256	Washer, 1/4	8	29	323179	Shield, hydro control.....	2
9	804521	Nut, 5/16-24.....	8	30	323195	Spacer, long	4
10	602742	Rod, control arm	2	31	543514	Bearing, flange	2
11	603903	Spacer	4	32	811006	Zerk, 1/4-28.....	3
12	303105	Yoke, adjustable.....	2	33	805257	Washer, 5/16 (SAE)	8
13	808280	Pin, clevis 5/16-1	2	34	805005	Washer, 5/16 (heavy).....	4
14	804758	Nut, jam 5/16-24	2	35	805258	Washer, 5/16.....	1
15	806753	Pin, cotter 3/32 x 1/2.....	2	36	809001	Nut, whizlock 5/16	10
16	603676	Swivel	2	37	613089	Anchor, spring.....	2
17	809012	Nut, 1/4-20.....	6	38	806003	Hairpin.....	2
18*	809057	Bolt, .312 x .750 (shoulder)	4	39	804256	Nut, nylock 5/16-18	6
19	612081	Housing	2	40	803022	Setscrew, 5/16-18 x 5/8.....	2
20	322092	Arm, left hand	1	41	323240	Spacer, shield.....	4
	322094	Arm, right hand	1	42	809007	Nut, whizlock 3/8-16	12
21	301022	Sulky hitch kit, (Vik Hydro)	1	43	800292	Screw, 3/8-16 x 1	4

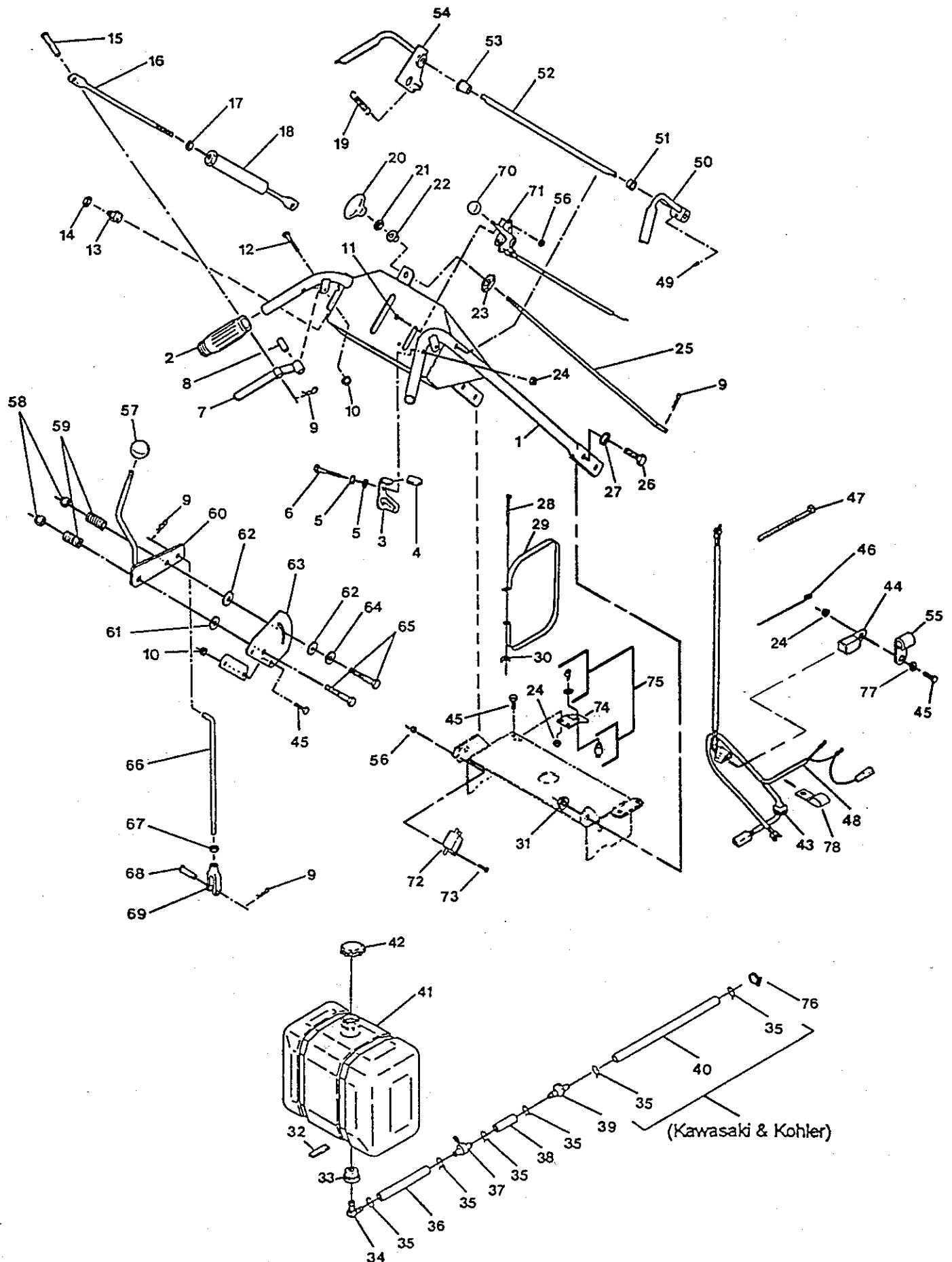
* Use Pro-Lock nut type, Part No. 840022 (.5 ml tube) on bolt threads.

DECALS



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	513890	Decal, Hydraulic Tank	1	13	403005	Decal, Danger	1
2	323319	Decal, Large Viking	1	14	403120	Decal, Off/Run (B&S)	1
3	323232	Decal, Instructional	1	15	543774	Decal, Danger	1
4	323151	Decal, Throttle/Choke (Kawasaki & Kohler)	1	16	303481	Decal, Carbon Monoxide	1
5	543631	Decal, Throttle (B&S)	1	17	603845	Decal, Drive Wheel Release ...	1
6	303517	Decal, Belt Drive	1	18	603804	Decal, Shifter	1
7	303508	Decal, Discharge Warning	1	19	303102	Decal, Neutral Lock Label	2
8	303520	Decal, TriVantage	1	20	403132	Decal, Commercial "52"	1
9	323141	Decal, Mower Engagement	1	21	323411	Decal, Commercial "36"	1
10	323321	Decal, Small Viking	1	22	403131	Decal, Commercial "48"	1
11	513746	Decal, Muffler	1	23	403143	Decal, Sulky warning	1
12	303293	Decal, Caution	1	24	323427	Decal, Belt routing (36" Deck) .	1
				25	403139	Decal, Belt routing (48" & 52)	1

UPPER HANDLES and CONTROLS



UPPER HANDLES and CONTROLS

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322183	Handle weldment.....	1	41	543364	Tank, gas	1
2	303097	Grip, handle.....	2	42	513508	Cap, gas.....	1
3	602772	Latch, drive lever w/grip (RH).....	1	43	543296	Grommet.....	1
f	602771	Latch, drive lever w/grip (LH).....	1	44	323430	Module, Interlock.....	1
4	303019	Grip, latch.....	2	45	800251	Screw, 1/4-20 x 5/8	
5	303435	Washer, 1/4 spring disc.....	4		(Kaw & Kohler).....	3	
6	800257	Screw, 1/4-20 x 1-3/4	2		800251	Screw, 1/4-20 x 5/8 (B&S)	5
7	602837	Lever, drive (LH).....	1	46	303287	Tie, plastic 5 1/2" (Kaw)	5
	602839	Lever, drive (RH).....	1	47	303335	Tie, plastic 7 5/16".....	2
8	603749	Bushing, drive lever.....	2	48	323435	Harness wiring (Kawasaki)	1
9	806003	Hairpin	5		323440	Harness wiring (Kohler)	1
10	809012	Nut, whizlock 1/4-20	4		403140	Harness wiring (B&S).....	1
11	807513	Screw, #10-24 x 1/2	2	49	803322	Setscrew, 5/16-24 x 5/16	2
12	800256	Screw, 1/4-20 x 1-1/2	2	♦	840022	Pro-Lock, nut type (.5 cc tube)	1
13	303372	Operator Control Switch.....	1	50	302138	Lever, OPC (RH).....	1
14	803034	Pal nut, 9/16	1	▽	840023	Pro-Lock retaining (.5 ml tube)	1
15	613055	Pin, clevis	2	51	303365	Bushing, nylon.....	1
16*	323416	Rod, drive lever linkage.....	2	52	303474	Rod, connecting.....	1
17	804507	Nut, 3/8-16.....	2	53	303369	Bushing, flanged	1
18	612081	Housing	2	54	602507	Lever, OPC (LH)	1
19	303363	Spring, actuator	1	▽	840023	Pro-Lock retaining (.5 ml tube)	1
20	323134	Knob, (push/pull)	1	55	603727	Clip, .56 Loom.....	1
21	804751	Nut, jam 5/16-18.....	1	56	804252	Nut, nylock #10-24	2
22	323143	Bushing, nylon .38 I.D.	1	57	603175	Knob, 1-3/8.....	1
23	323142	Push Nut (.50 shaft)	1	58	804256	Nut, nylock 5/16-18	2
24	804255	Nut, nylock 1/4-20		59	323245	Spring, compression	2
	(Kaw & Koh)	3		60	602733	Lever, shift	1
	804255	Nut, nylock 1/4-20 (B&S).....	5	61	805257	Washer, 5/16.....	1
25	323181	Linkage, blade push/pull.....	1	62	323244	Washer, friction	2
26	800292	Screw, 3/8-16 x 1	4	63	603730	Plate, shift lever.....	1
27	303327	Washer, 3/8 spring disc.....	4	64	603716	Washer, friction	1
28	801062	Screw, 1/4-20 x 3	2	65	800277	Screw, 5/16-18 x 2	2
29	303465	Strap, 5 gal. fuel tank	2	66	323183	Rod, speed control.....	1
30	543792	Wingnut, nylock 1/4-20.....	2	67	804758	Nut, jam 5/16-24.....	1
31	809007	Nut, whizlock 3/8-16.....	4	68	808280	Pin, clevis.....	1
32	303315	Pad, gas tank	2	69	303105	Yoke, adjustable.....	1
33	513645	Bushing, fuel valve	1	70	513592	Knob, red ball.....	1
34	543277	Elbow, fuel tank	1	71	323129	Cable, throttle (Kaw & Kohler).....	1
35	303077	Clamp, gas line (Kohler).....	6		543697	Cable, throttle (B&S)	1
	303077	Clamp, gas line (B&S).....	4	72	513051	Switch, neutral lockout.....	1
	303077	Clamp, gas line (Kawasaki)....	5	73	801040	Screw, #10-24 x .75	2
36	603955	Fuel line, 6" (Kaw & Kohler) ...	1	74	403118	Bracket, key switch (B&S).....	1
	543649	Fuel line, 7" (B&S).....	1	75	403121	Switch, ON-Off key (B&S).....	1
37	603770	Valve, gas.....	1		603511	Keys, ignition.....	1
38	603776	Fuel line, 2.5" (Kaw & Kohler) ..	1	76	303308	Clamp, gas line (Kawasaki)	1
	303471	Fuel line, 12" (B&S).....	1	77	805256	Washer 1/4" Flat	1
39	303197	Filter, gas.....	1	78	323423	Clip, loom 1/4" (Kaw).....	1
40	603954	Gas line, 13.75" (Kohler)	1				
	303471	Gas line, 12.0" (Kawasaki).....	1				

f Not Illustrated.

* Use anti-seize compound on threads.

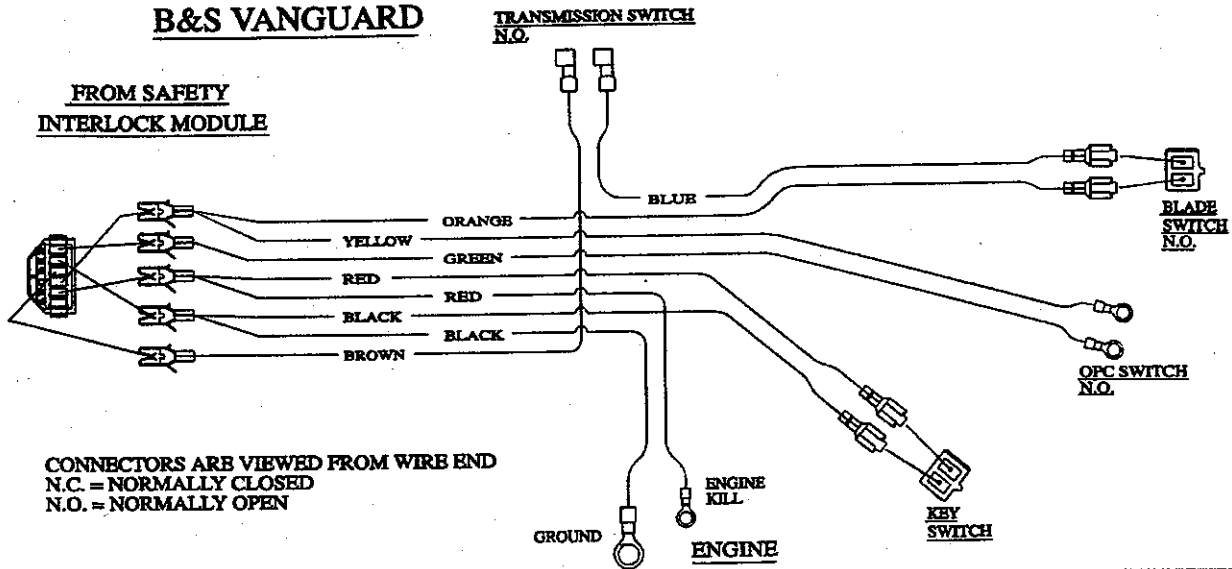
♦ Use Pro-Lock (nut type) on setscrew threads.

▽ Use on inside bore of OPC hub (See Owner's Manual)

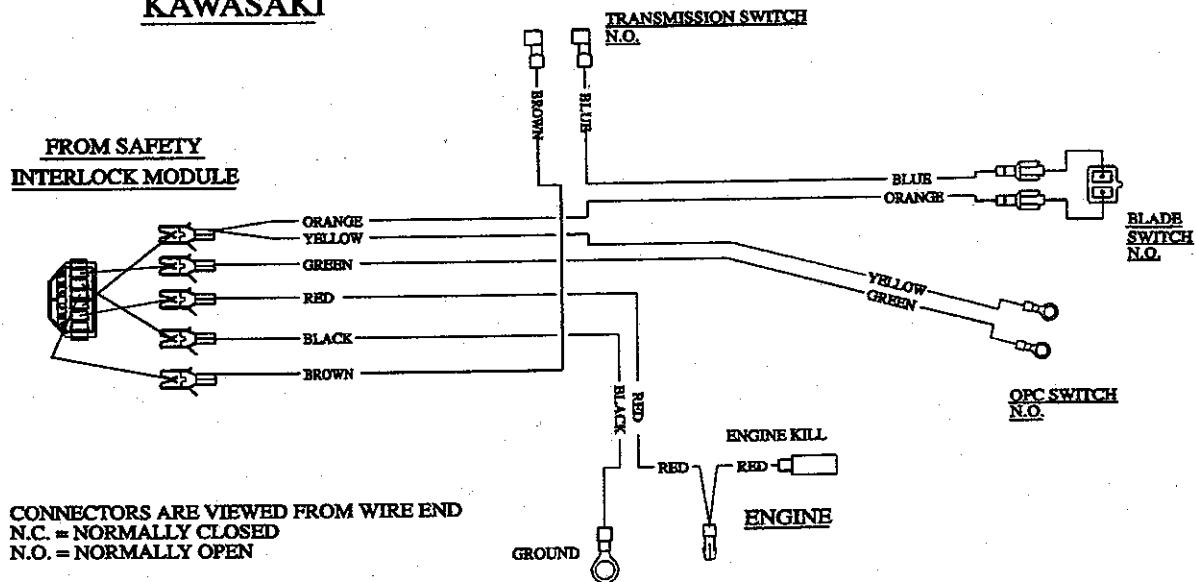
NOTE: Use dielectric grease on all electrical connectors.

WIRING DIAGRAMS

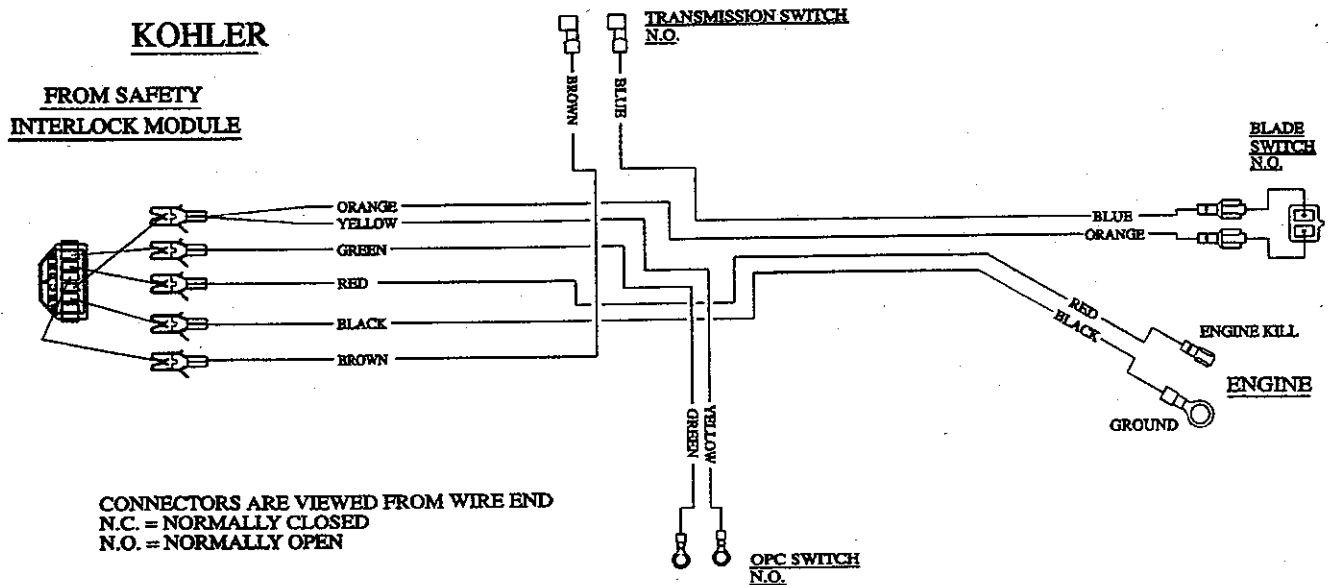
B&S VANGUARD



KAWASAKI



KOHLER



SERVICE RECORD

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SERVICE RECORD

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NOTES

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