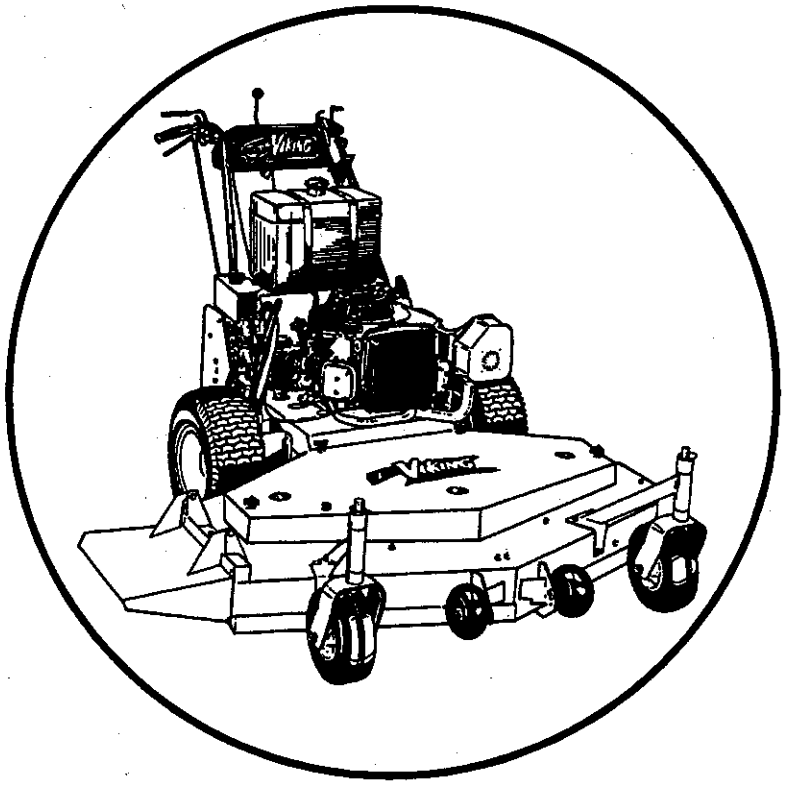
eXmark MFG. CO. INC.

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. _____

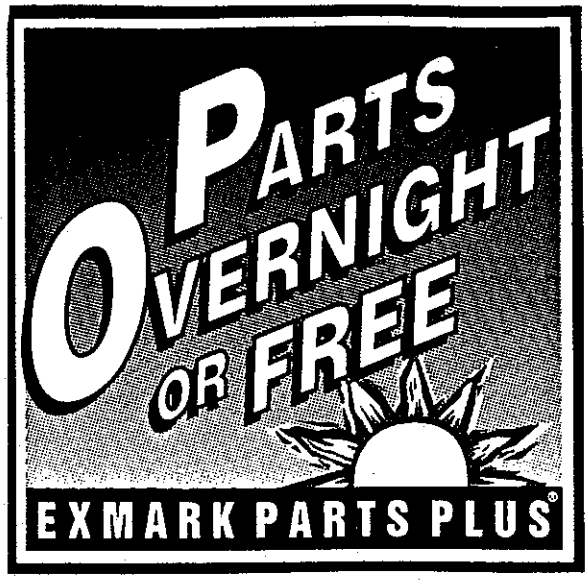
Date Purchased _____

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.

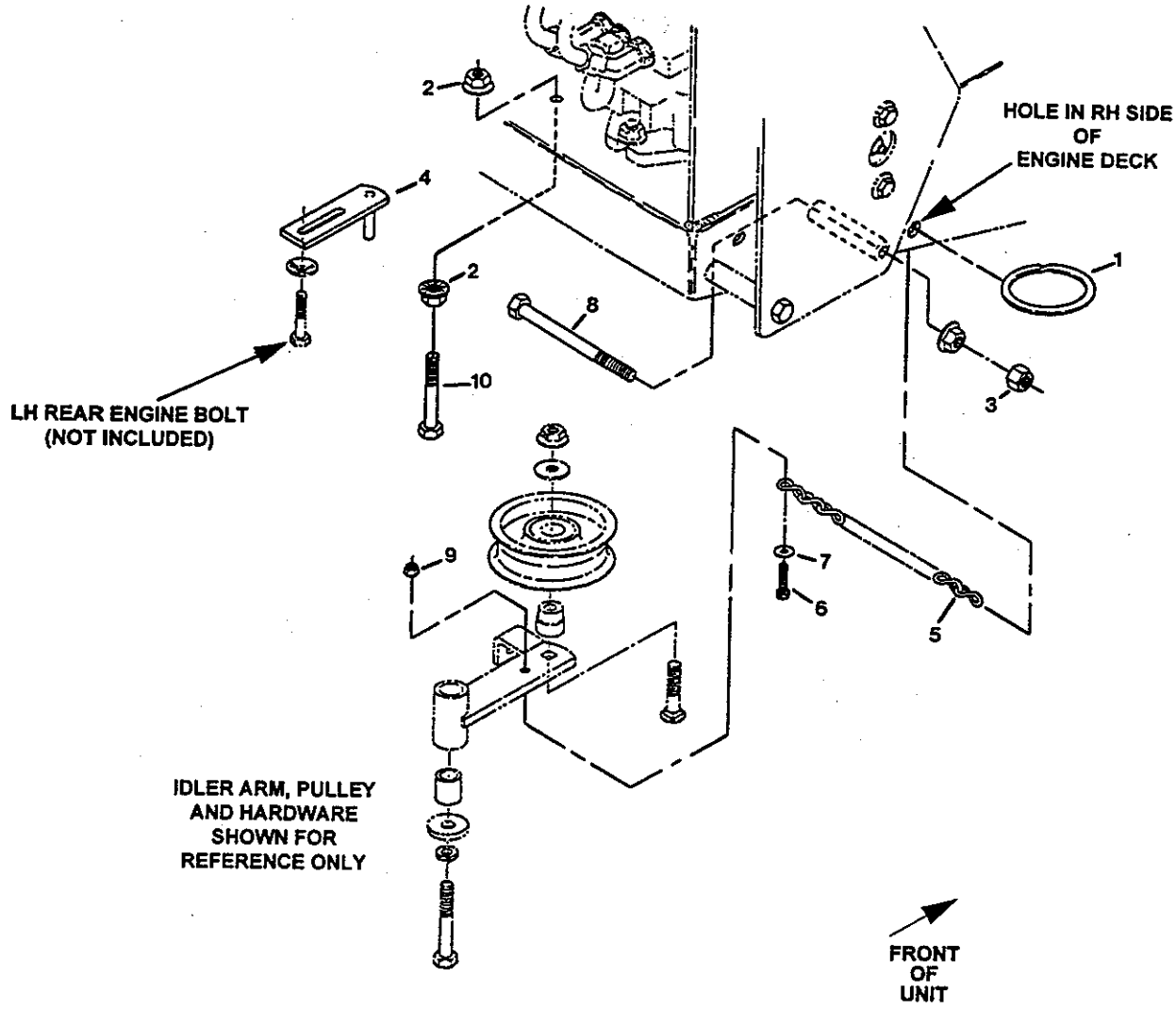
⚠ WARNING

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

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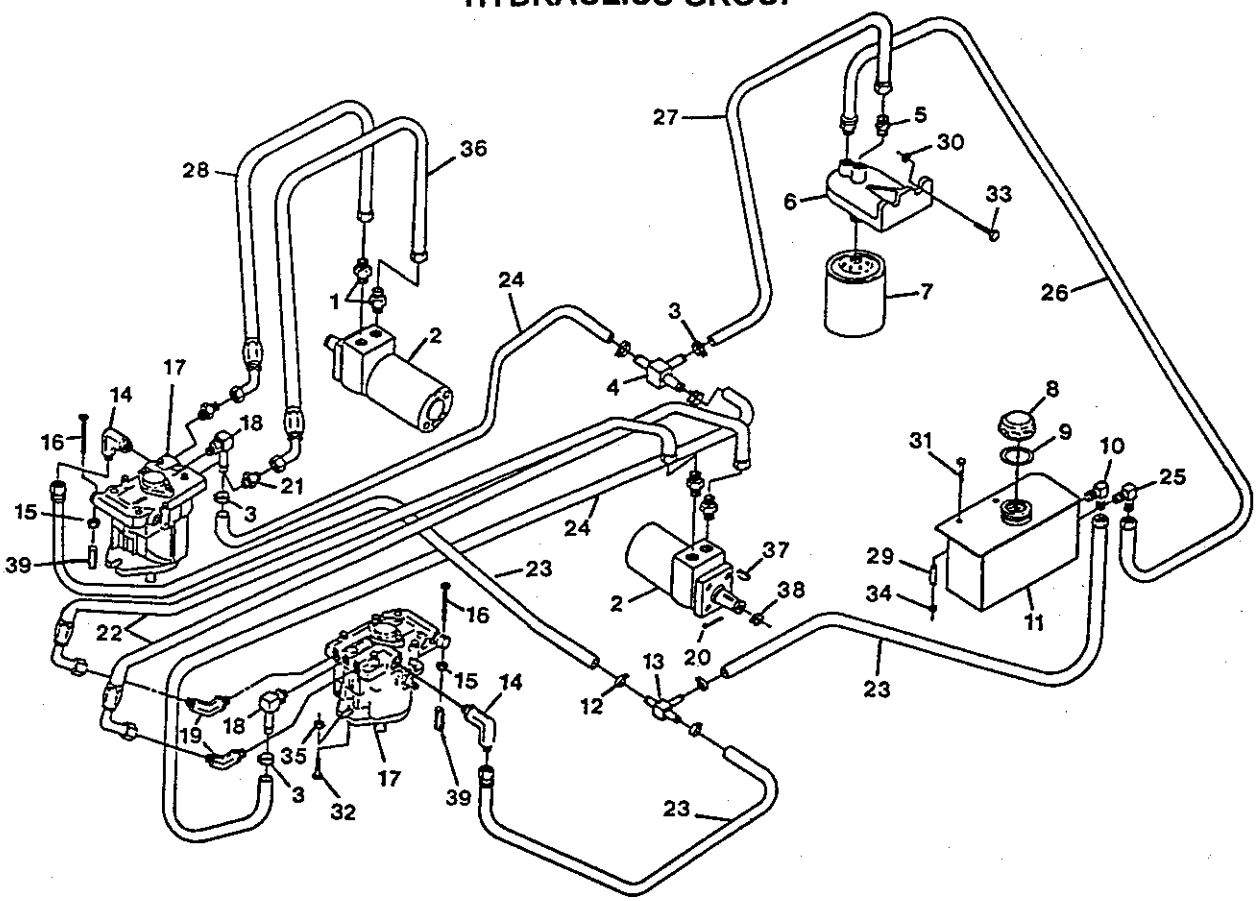
COLD WEATHER START KIT



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

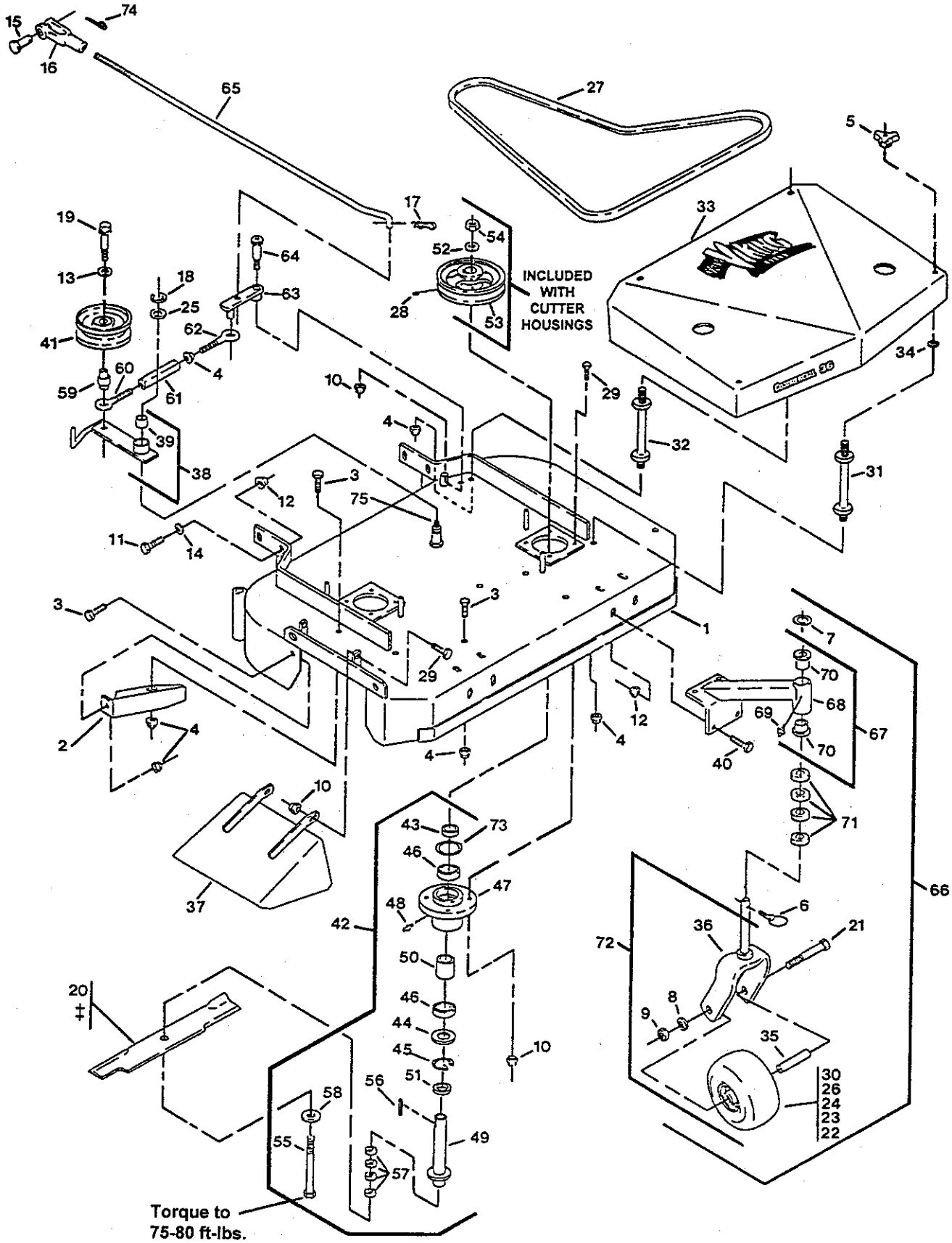


Ref. No.	Part No.	Description	Qty. Req'd.
1	603991	Fitting, strght connector	4
	603919	Boss O-Ring	1
	603992	Flare O-Ring	1
2	603718	Wheel motor	2
3	603827	Clamp, hose	5
4	603721	Fitting, 3/8 Hose Tee	1
5*	513510	Connector, male	1
6	603720	Head, filter	1
7	513211	Element, oil filter	1
8	513167	Cap, hydraulic reservoir	1
9	523103	Gasket, tank cap	1
10*	603987	Elbow, 90°	1
11	512166	Reservoir, hydraulic fluid	1
12	603826	Hose Clamp	3
13	603722	Fitting - 1/4 Hose Tee	1
14	513840	Elbow - 90°	2
	603921	O-Ring	1
15	804255	Nut, nylock 1/4-20	2
16	801060	Screw, 1/4-20 x 2	2
17	613042	Pump, hydro	2
18	603989	Elbow, 90°	2
	603923	O-Ring	1
19	523221	Elbow, 45°	2
	603992	Flare O-Ring	1

Ref. No.	Part No.	Description	Qty. Req'd.
(19)	603920	Boss O-Ring	1
20	806800	Pin, cotter 9/64 x 1 1/2	2
21	603990	Adapter, straight thread	2
	603920	Boss O-Ring	1
	603992	Flare O-Ring	1
22	323241	Hose, hydro RH	2
23	602750	Hose, case drain	3
24	303526	Hose, charge pump	2
25*	603988	Elbow, 90°	1
26	602985	Hose, supply	1
27	602754	Hose, charge line	1
28	523210	Hose, hydro LH	1
29	323218	Spacer, hydraulic tank	2
30	809001	Nut, whizlock 5/16-18	2
31	800258	Screw, 1/4-20 x 2	2
32	800292	Screw, 3/8-16 x 1	4
33	800273	Screw, 5/6-18 x 1	2
34	809012	Nut, whizlock 1/4-20	2
35	809007	Nut, whizlock 3/8-16	4
36	523210	Hose, LH (36" deck)	1
	403102	Hose, LH (48" & 52" decks)	1
37	807019	Key, woodruff 1.0 x .25	2
38	809068	Nut, 3/4-16, 2B slotted	2
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

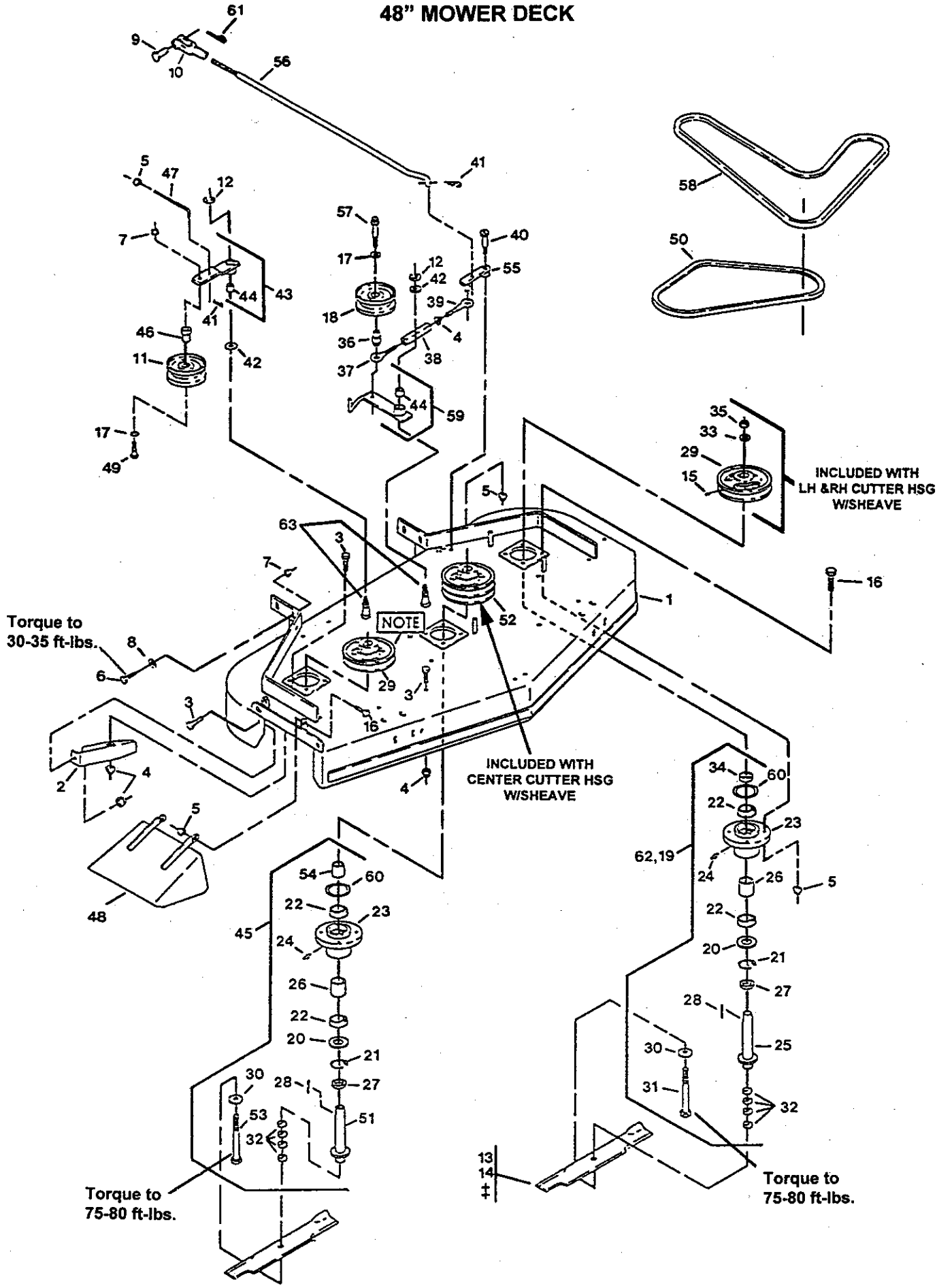
Ref. No.	Part No.	Description	Qty. Req'd.
1	302227	Front deck w/baffles (36")	1
2	302189	Baffle, dogleg	1
3	800270	Screw, 5/16-18 x 5/8	6
4	809001	Nut, whizlock 5/16-18	11
5	323385	Knob, belt cover	4
6	809020	Quick pin, 10" caster	1
7	513338	Washer, special	1
8	805008	Lockwasher, 1/2	1
9	804509	Nut,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

ƒ 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.
1	4020[illegible] 96	Front Deck w/baffles (48")	1
2	302189	Baffle, dogleg	1
3	800270	Screw, 5/16-18 x 5/8	10
4	809001	Nut, whizlock 5/16-18	11
5	804256	Nut, nylock 5/16-18	16
6	800292	Screw, 3/8-16 x 1	6
7	809007	Nut, whizlock 3/8-16	5
8	303327	Washer, disc spring 3/8	6
9	808280	Pin, clevis 5/16 x 1	1
10	303105	Yoke	1
11	403119	Pulley, idler "V"	1
12	808505	E-Ring for .875 rd	2
13	403026	Blade, Ultra High Lift 16"(std.).	3
14	403059	Blade, 1/4 x 16 High Lift (opt.)	3
‡	403086	Blade, mulching (opt.)	3
15	803310	Setscrew, 5/16-18 x 3/8	6
f	840022	Prolock (Nut type) .5 ml tube	1
16	800273	Screw, 5/16-18 x 1	14
17	805259	Washer, 3/8	2
18	603843	Idler pulley (heavy duty)	1
19	322166	Housing, cutter w/sheave (LH)	1
20	323408	Dust shield	3
21	808506	Retaining ring	3
22	303543	Cutter housing bearing	6
23	323315	Cutter housing	3
24	811001	Zerk, 1/8 N.P.T. (straight)	3
25	322164	Spindle, cutter, (LH)	3
26	323400	Spacer (long)	3
27	323399	Spacer (short)	3
28	807267	Key, 1/4 x 3/16 x 1 1/4	3
29▮	303535	Sheave (single groove)	2
30	513208	Washer, 5/8 spring disc	3
31	800861	Screw, 5/8-18 x 8	2
32	303164	Spacer, blade drive	12
33	323339	Washer, retainer (sheave)	3
34	323402	Spacer, bearing (sheave)	2
35	804510	Nut, 5/8-18 UNF	3
36	303434	Bushing, engagement	1
37	303348	Eye bolt (left hand thread)	1
38	303236	Turnbuckle body	1
39	303238	Eye bolt (right hand thread)	1
40	809011	Bolt, 3/8 x 3/4 (shoulder)	1
41	806003	Hairpin	2
42	303352	Washer, spindle	2
43	402053	Idler arm, (w/bushing) cmplt	1
44	303144	Powder metal bearing	1
45	402077	Housing, cutter w/sheave (ctr.)	1
46	603496	Bushing, idler bearing	1
47	403107	Rod, belt tension	1
48	302054	Chute	2
49	800295	Screw, 3/8-16 x 1 3/4	1
50	403025	Belt, "V"	1
51	402075	Spindle, cutter hsng (long).	1
52▮	403133	Sheave (double groove)	1
53	800862	Screw, 5/8-18 x 8 1/2	1
54	323404	Spacer, bearing (cntr sheave).	1
55	302198	Arm, assist	1
56	323174	Linkage, assist arm	1
57	803003	Screw, whzlck 3/8-16 x 1 3/4	1
58	303499	Belt, drive (48" deck)	1
59	302129	Arm, engagement	1
60	303542	O-Ring	3
61	806753	Pin,cotter	1
62	322167	Housing, cutter w/sheave (RH)	1
63	811006	Zerk, 1/4-28 STRT	2

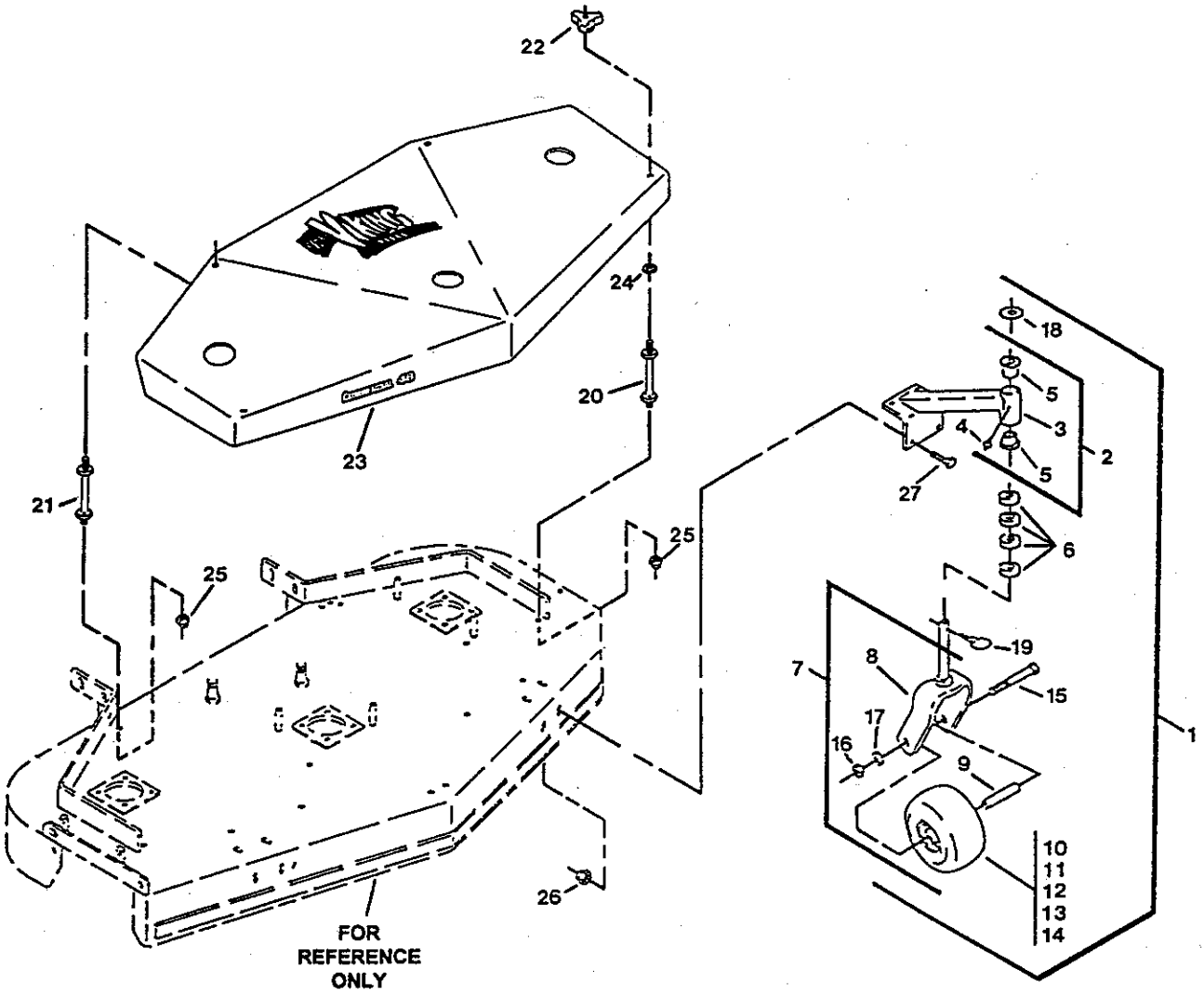
‡ Requires installation of Mulching Kit (Part No. MK48-2).

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

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

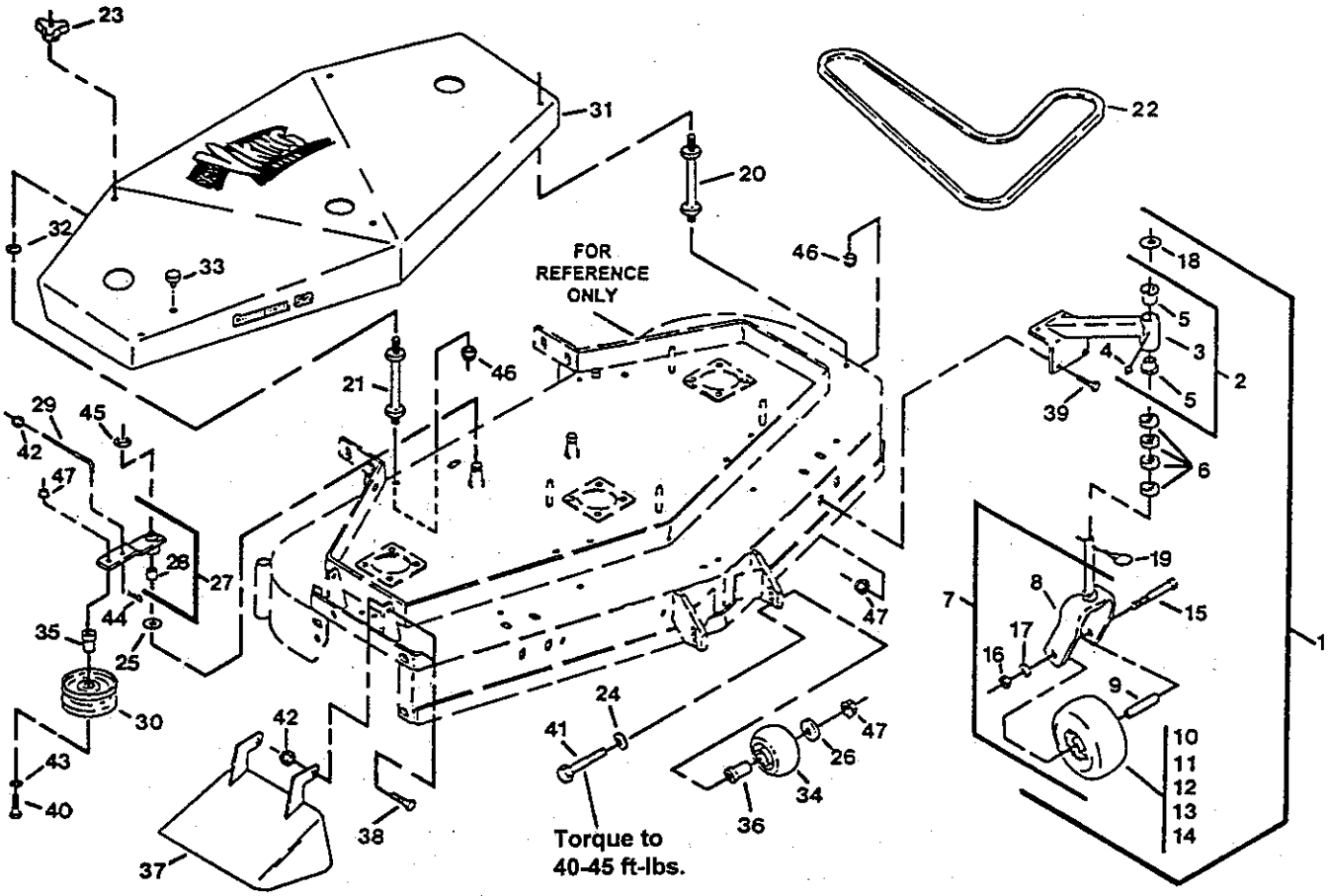
NOTE: The pulley on the ***right hand*** side (from operators position) cutter housing is turned upside down with the long side of the hub facing up.

48" MOWER DECK (con't)



Ref. No.	Part No.	Description	Qty. Req'd.
1	322153	Caster mount complete	2
2	302203	Support, caster wheel (w/bearings)	2
3	302194	Support, caster wheel wldmnt	2
4	811001	Zerk, 1/8 N.P.T.	2
5*	303514	Flange, thrust bearing	4
6	303314	Spacer, 10" caster	8
7	322154	Wheel assembly (caster)	2
8	322145	Fork wldmnt, caster	2
9	513547	Spacer, front caster	2
10	513648	Wheel & tire, complete	2
11	513807	Wheel & hub	2
12	513808	Tire, 9 x 3.50-4 4-ply	2
13	513809	Roller bearing	2
14	513810	Bushing	4
15	800334	Screw, 1/2-13 x 6	2
16	804509	Nut, 1/2-13	2
17	805008	Lockwasher, 1/2	2
18	513338	Washer	2
19	809020	Quick pin, 10" caster	2
20	303537	Stud, belt shield (short)	2
21	303536	Stud, belt shield (long)	2
22	323385	Knob, belt cover	4
23	402072	Shield, 48" Viking Hydro	1
24	323417	Washer, belt cover mount	4
25	809001	Nut, whizlock 5/16-18	4
26	809007	Nut, whizlock 3/8-16	8
27	800290	Screw, 3/8-16 x 3/4	8

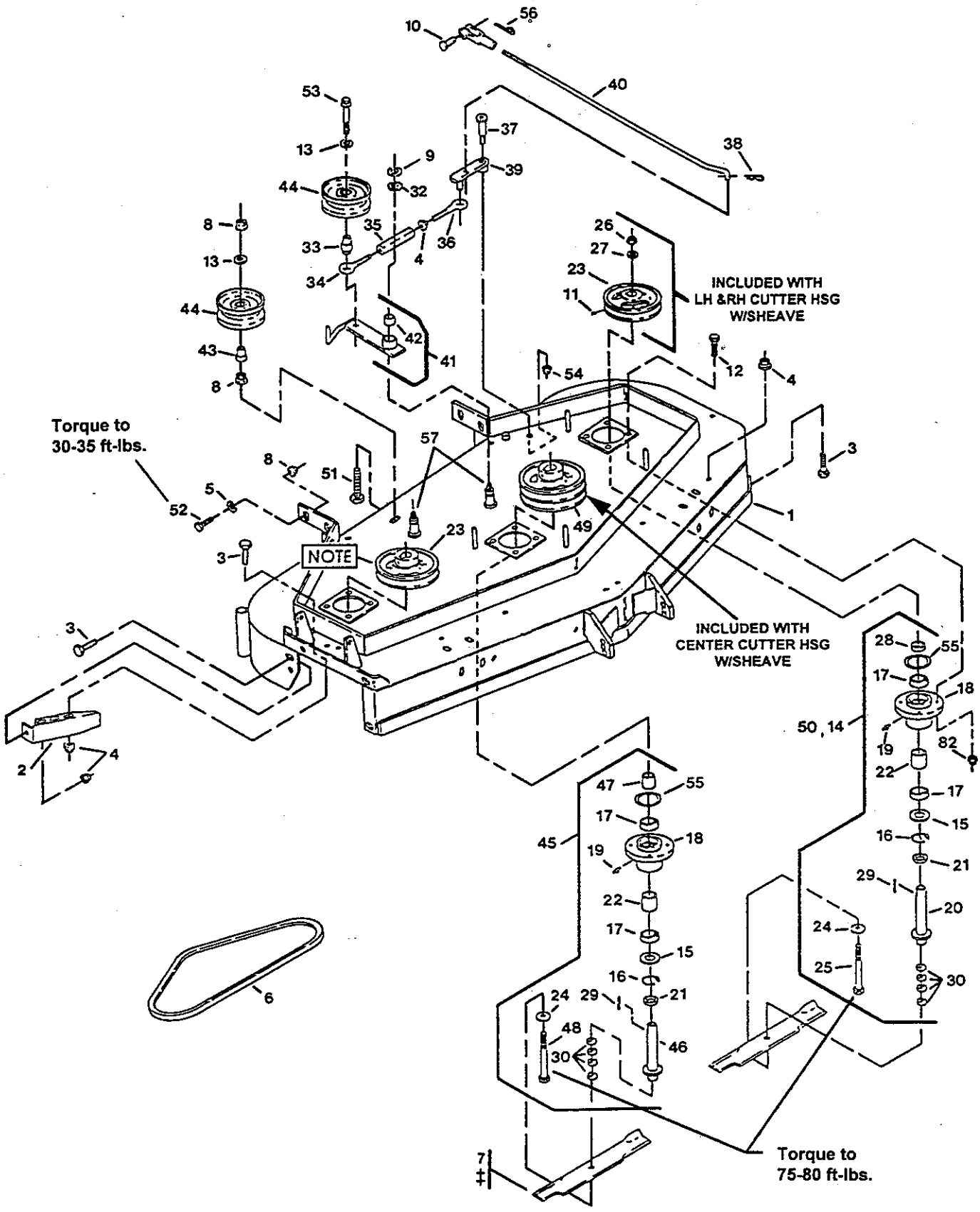
52" MOWER DECK



Ref. No.	Part No.	Description	Qty. Req'd.
1	322153	Caster mount, complete	2
2	302203	Support, caster wheel (w/bearings)	2
3	302194	Support, caster wheel wldmnt.	2
4	811001	Zerk, 1/8 N.P.T.	2
5*	303514	Flange, thrust bearing	4
6	303314	Spacer, 10" caster	8
7	322154	Wheel assembly (caster)	2
8	322145	Fork wldmnt, caster	2
9	513547	Spacer, front caster	2
10	513648	Wheel & tire, complete	2
11	513807	Wheel & hub	2
12	513808	Tire, 9 x 3.50-4 4-ply	2
13	513809	Roller bearing	2
14	513810	Bushing	4
15	800334	Screw, 1/2-13 x 6	2
16	804509	Nut, 1/2-13	2
17	805008	Lockwasher, 1/2	2
18	513338	Washer	2
19	809020	Quick pin, 10" caster	2
20	303537	Stud, belt shield (short)	2
21	303536	Stud, belt shield (long)	2
22	403088	Belt, drive	1
23	323385	Knob, belt cover	5

Ref. No.	Part No.	Description	Qty. Req'd.
24	303327	Washer, 3/8 disc	2
25	303352	Washer, spindle	1
26	373034	Washer, pivot	2
27	402053	Idler arm, complete (right)	1
28	303144	Bushing	1
29	403107	Rod, belt tension	1
30	403119	Pulley, idler "V"	1
31	404163	Shield, 52" Viking Hydro	1
32	323417	Washer, belt cover mount	4
33	513291	Bumper, rubber	1
34	603299	Roller, anti-scalp	2
35	603496	Bushing, idler bearing	1
36	603602	Bushing, roller	2
37	602571	Chute	1
38	800273	Screw, 5/16-18 x 1	2
39	800290	Screw, 3/8-16 x 3/4	8
40	800296	Screw, 3/8-16 x 2	1
41	800807	Screw, 3/8-16 x 4	2
42	804256	Nut, nylock 5/16-18	3
43	805259	Washer, 3/8	1
44	806003	Hairpin	1
45	808505	E-Ring for .875 rd.	1
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.
1	402060	Front Deck (52") w/baffle	1
2	402057	Baffle, discharge	1
3	800270	Screw, 5/16-18 x 5/8	12
4	809001	Nut, whizlock 5/16-18	11
5*	303327	Washer, 3/8 disc spring	6
6	403105	Belt, "V" (front deck)	1
7	303527	Blade, high lift 18"(std.)	3
	303439	Blade, low lift (opt.)	3
‡	303495	Blade, mulching (opt.)	3
	303283	Blade, 1/4 x 18" high lift (opt.)	3
8	809007	Nut, whizlock 3/8-16	8
9	808505	E-Ring for .875 rd.	1
10	808280	Pin, clevis 5/16 x 1	1
11	803310	Setscrew, 5/16-18 x 3/8	6
f	840022	Prolock (Nut type) .5 ml tube	1
12	800273	Screw, 5/16-18 x 1	12
13	805259	Washer, 3/8	3
14	322166	Housing, cutter (w/shv) (LH)	1
15	323408	Shield, dust	3
16	808506	Ring, retaining	3
17	303543	Bearing, cutter housing	6
18	323315	Housing, cutter	3
19	811001	Zerk, 1/8 N.P.T. (straight)	3
20	322164	Spindle, wldmnt (cutter)	2
21	323399	Spacer (short)	3
22	323400	Spacer (long)	3
23▮	303535	Sheave (single groove)	2
24	513208	Washer, 5/8 disc spring	3
25	800861	Screw, 5/8-18 x 8	2
26	804510	Nut, 5/8-18 UNF	3
27	323339	Washer, retainer (sheave)	3
28	323402	Spacer, bearing	2
29	807267	Key, 1/4 x 3/16 x 1 1/4	3
30	303164	Spacer, blade drive	12
31	303105	Yoke	1
32	303352	Washer, spindle	1
33	303434	Bushing, engagement	1
34	303348	Eye bolt (left hand thread)	1
35	303236	Turnbuckle body	1
36	303238	Eye bolt (right hand thread)	1
37	809011	Bolt, 3/8 x 3/4 (shoulder)	1
38	806003	Hairpin	1
39	302198	Arm, assist	1
40	403111	Linkage, assist arm	1
41	302129	Arm, engagement (w/bshng)	1
42	303144	Bushing, powdered metal	1
43	543879	Bushing, idler	1
44	603843	Pulley, idler (heavy duty)	2
45	402077	Housing, cutter (w/shv) (cntr)	1
46	402075	Cutter spindle wldmnt (long)	1
47	323404	Spacer, bearing (center shv)	1
48	800862	Screw, 5/8-18 x 8 1/2	1
49▮	403133	Sheave (double groove)	1
50	322167	Cutter housing w/sheave (RH)	1
51	800029	Bolt, tap 3/8-16 x 2 1/4	1
52	800292	Screw, 3/8-16 x 1	6
53	803003	Screw, whzlck 3/8-16 x 1 3/4	1
54	804256	Nut, nylock 5/16-18	13
55	303542	O-Ring	3
56	806753	Pin, cotter	1
57	811006	Zerk, 1/4-28 STRT	2

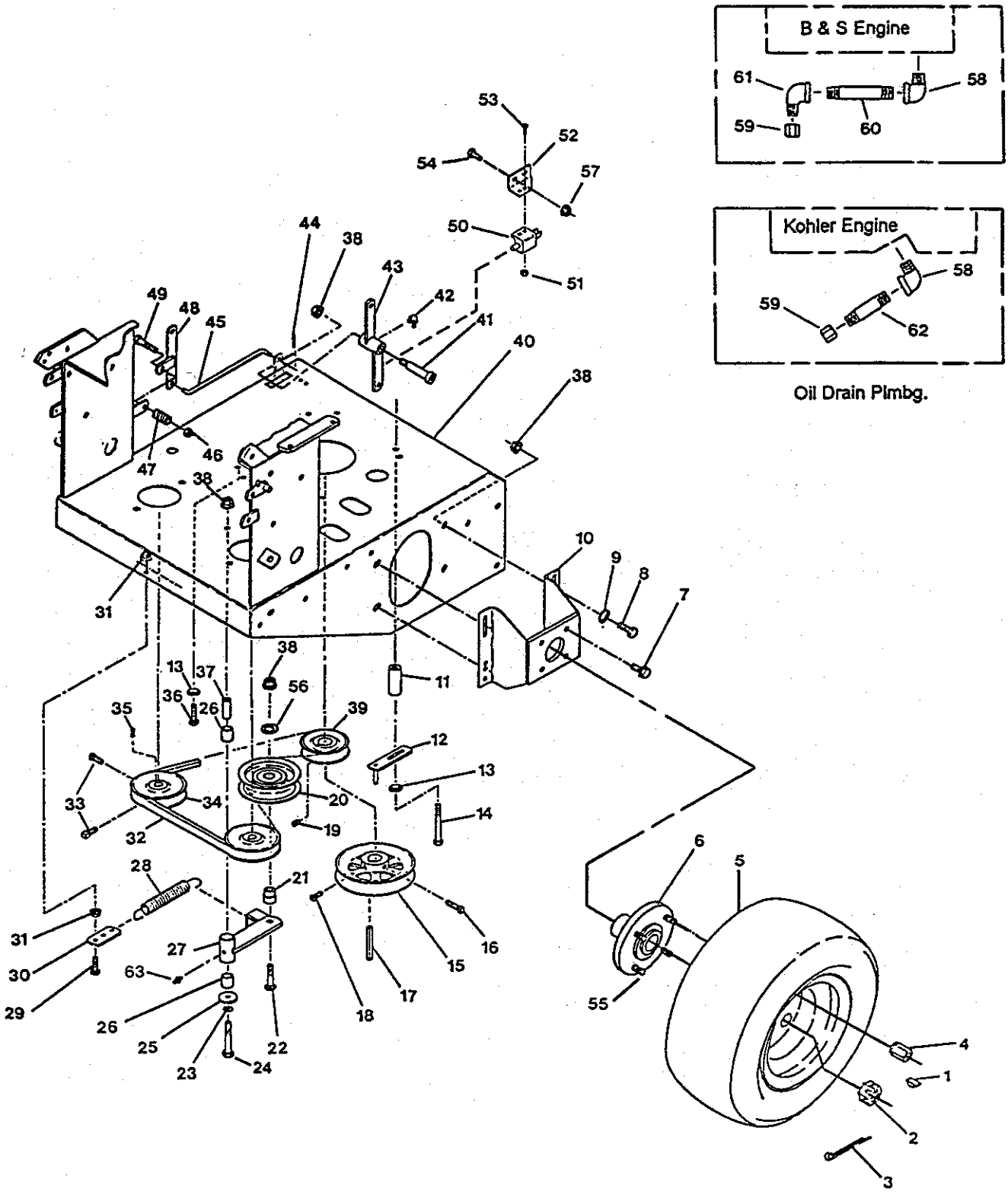
‡ Requires installation of Mulching Kit Part No. MK52-2.

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

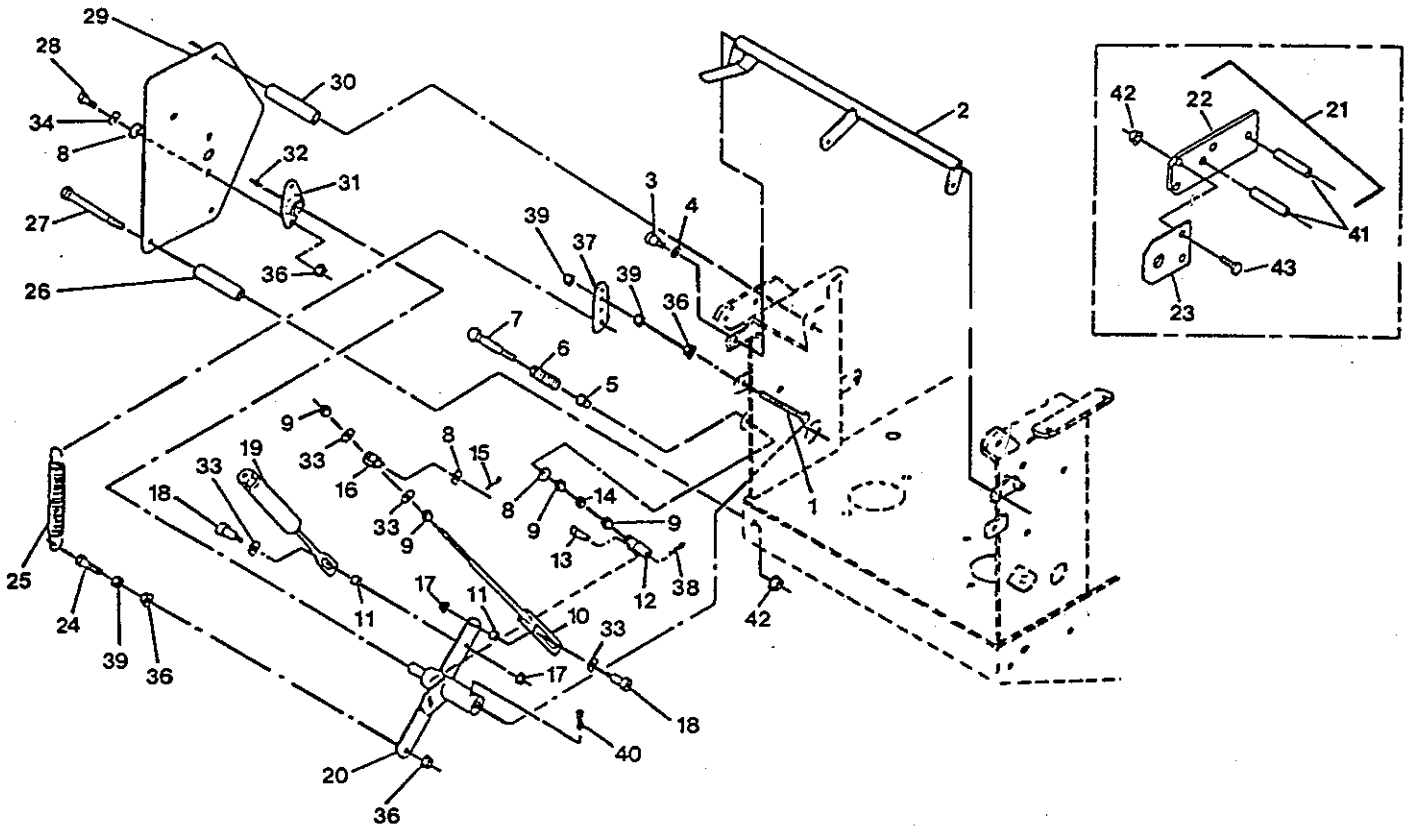
✳ Use anti-seize compound on pulley bore and on tapered bore of hub.

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.)

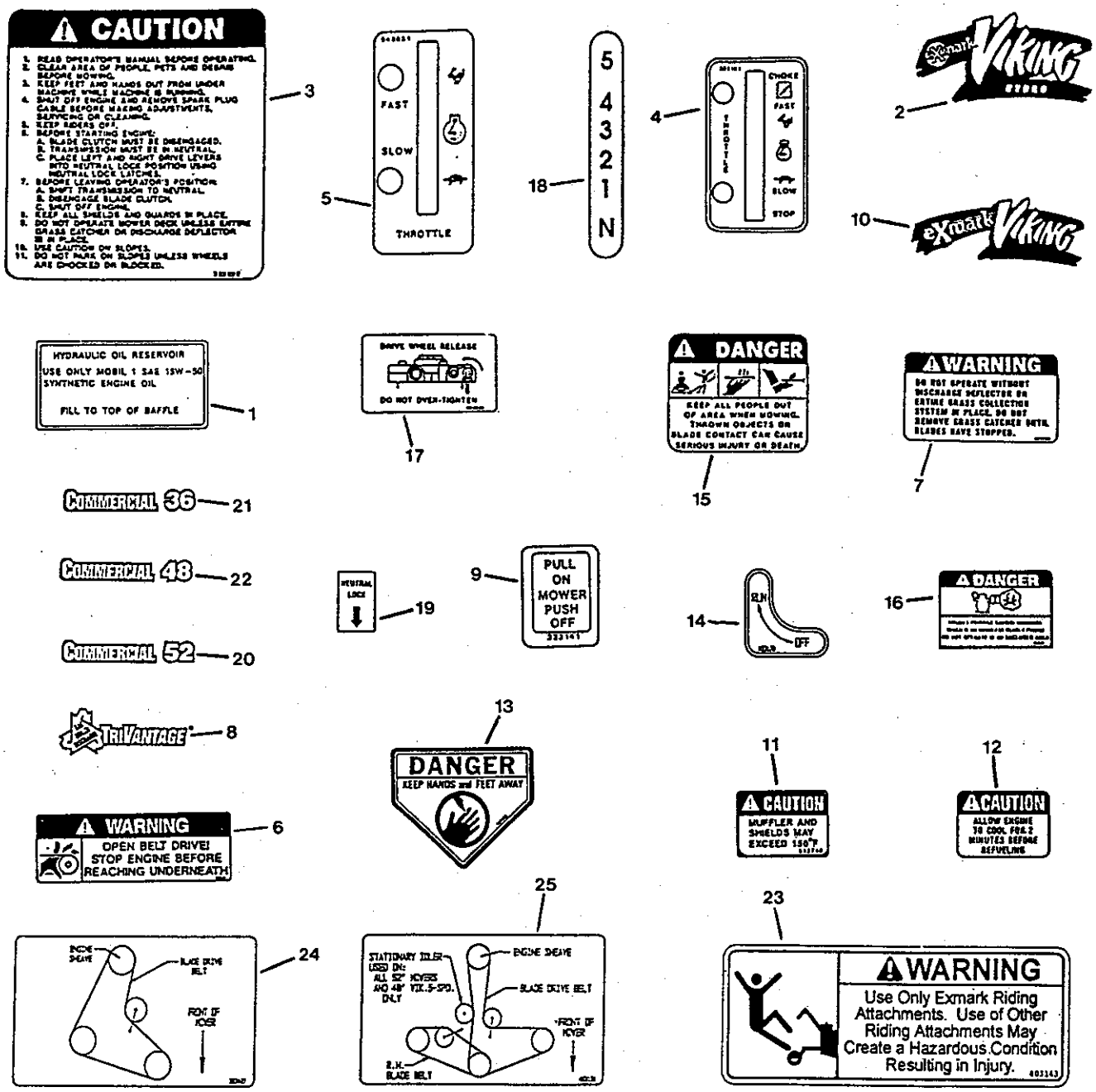


Ref. No.	Part No.	Description	Qty. Req'd.
1	800021	Bolt, tap 5/16-18 x 3	2
2	322096	Crank	1
3	809056	Bolt, .375 x .375 (shoulder)	2
4	805259	Washer, 3/8	2
5	603735	Bushing, nylon flanged	2
6	603807	Spring, neutral return	2
7	603737	Bolt, neutral return	2
8	805256	Washer, 1/4	8
9	804521	Nut, 5/16-24	8
10	602742	Rod, control arm	2
11	603903	Spacer	4
12	303105	Yoke, adjustable	2
13	808280	Pin, clevis 5/16-1	2
14	804758	Nut, jam 5/16-24	2
15	806753	Pin, cotter 3/32 x 1/2	2
16	603676	Swivel	2
17	809012	Nut, 1/4-20	6
18*	809057	Bolt, .312 x .750 (shoulder)	4
19	612081	Housing	2
20	322092	Arm, left hand	1
	322094	Arm, right hand	1
21	301022	Sulky hitch kit, (Vik Hydro)	1

Ref. No.	Part No.	Description	Qty. Req'd.
22	373036	Mount, hitch	2
23	323238	Bracket, hitch adapter	2
24	800274	Screw, 5/16-18 x 1-1/4	2
25	603693	Spring, extension	2
26	323197	Spacer, short	4
27	800302	Screw, 3/8-16 x 4	7
28	800271	5/16-18 x 3/4	4
29	323179	Shield, hydro control	2
30	323195	Spacer, long	4
31	543514	Bearing, flange	2
32	811006	Zerk, 1/4-28	3
33	805257	Washer, 5/16 (SAE)	8
34	805005	Washer, 5/16 (heavy)	4
35	805258	Washer, 5/16	1
36	809001	Nut, whizlock 5/16	10
37	613089	Anchor, spring	2
38	806003	Hairpin	2
39	804256	Nut, nylock 5/16-18	6
40	803022	Setscrew, 5/16-18 x 5/8	2
41	323240	Spacer, shield	4
42	809007	Nut, whizlock 3/8-16	12
43	800292	Screw, 3/8-16 x 1	4

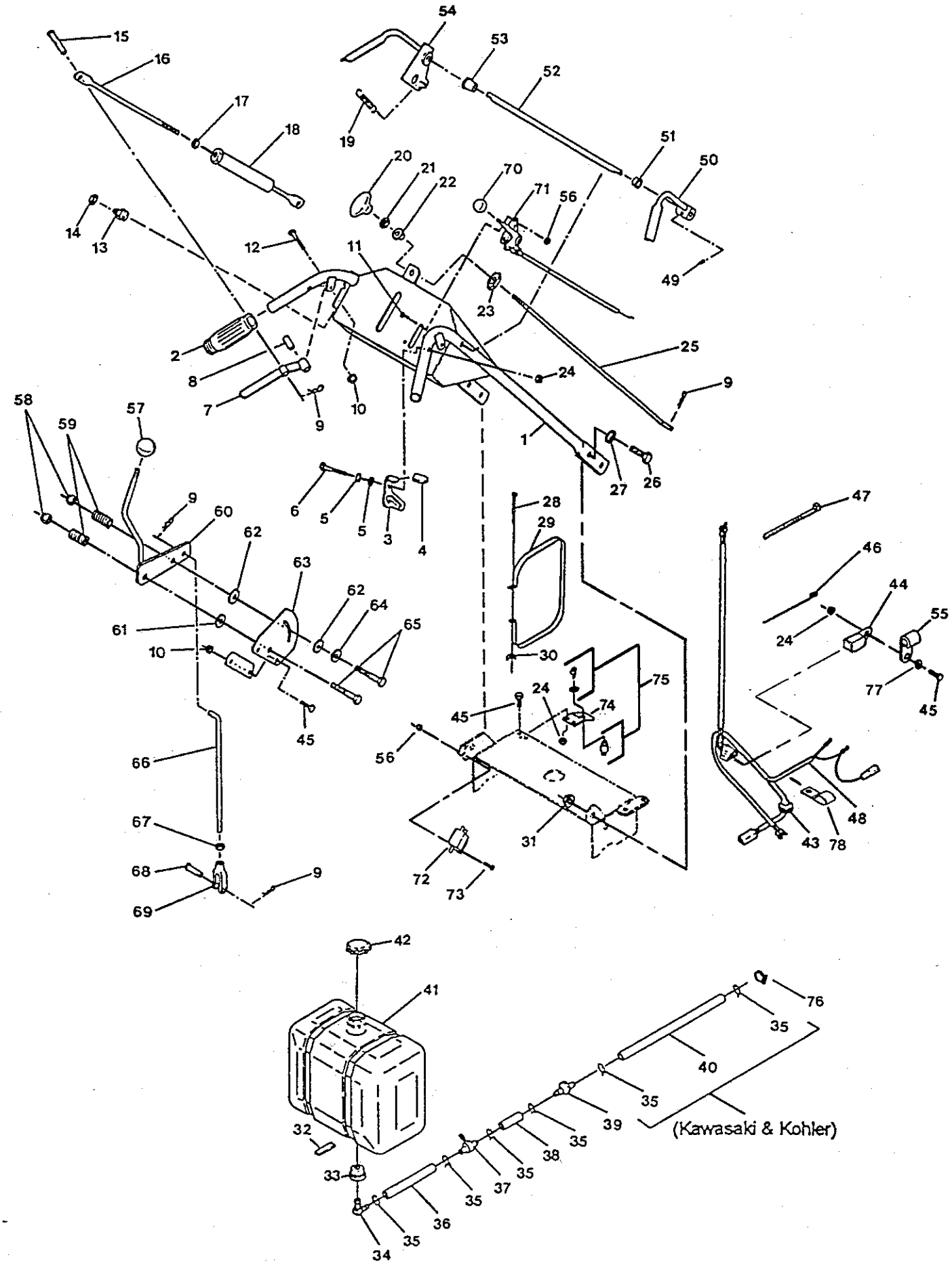
* Use Pro-Lock nut type, Part No. 840022 (.5 ml tube) on bolt threads.

DECALS



Ref. No.	Part No.	Description	Qty. Req'd.
1	513890	Decal, Hydraulic Tank	1
2	323319	Decal, Large Viking	1
3	323232	Decal, Instructional	1
4	323151	Decal, Throttle/Choke (Kawasaki & Kohler)	1
5	543631	Decal, Throttle (B&S)	1
6	303517	Decal, Belt Drive	1
7	303508	Decal, Discharge Warning	1
8	303520	Decal, TriVantage	1
9	323141	Decal, Mower Engagement	1
10	323321	Decal, Small Viking	1
11	513746	Decal, Muffler	1
12	303293	Decal, Caution	1
13	403005	Decal, Danger	1
14	403120	Decal, Off/Run (B&S)	1
15	543774	Decal, Danger	1
16	303481	Decal, Carbon Monoxide	1
17	603845	Decal, Drive Wheel Release	1
18	603804	Decal, Shifter	1
19	303102	Decal, Neutral Lock Label	2
20	403132	Decal, Commercial "52"	1
21	323411	Decal, Commercial "36"	1
22	403131	Decal, Commercial "48"	1
23	403143	Decal, Sulky warning	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.
1	322183	Handle weldment	1
2	303097	Grip, handle	2
3	602772	Latch, drive lever w/grip (RH)	1
ƒ	602771	Latch, drive lever w/grip (LH)	1
4	303019	Grip, latch	2
5	303435	Washer, 1/4 spring disc	4
6	800257	Screw, 1/4-20 x 1-3/4	2
7	602837	Lever, drive (LH)	1
	602839	Lever, drive (RH)	1
8	603749	Bushing, drive lever	2
9	806003	Hairpin	5
10	809012	Nut, whizlock 1/4-20	4
11	807513	Screw, #10-24 x 1/2	2
12	800256	Screw, 1/4-20 x 1-1/2	2
13	303372	Operator Control Switch	1
14	803034	Pal nut, 9/16	1
15	613055	Pin, clevis	2
16*	323416	Rod, drive lever linkage	2
17	804507	Nut, 3/8-16	2
18	612081	Housing	2
19	303363	Spring, actuator	1
20	323134	Knob, (push/pull)	1
21	804751	Nut, jam 5/16-18	1
22	323143	Bushing, nylon .38 I.D.	1
23	323142	Push Nut (.50 shaft)	1
24	804255	Nut, nylock 1/4-20	
		(Kaw & Koh)	3
	804255	Nut, nylock 1/4-20 (B&S)	5
25	323181	Linkage, blade push/pull	1
26	800292	Screw, 3/8-16 x 1	4
27	303327	Washer, 3/8 spring disc	4
28	801062	Screw, 1/4-20 x 3	2
29	303465	Strap, 5 gal. fuel tank	2
30	543792	Wingnut, nylock 1/4-20	2
31	809007	Nut, whizlock 3/8-16	4
32	303315	Pad, gas tank	2
33	513645	Bushing, fuel valve	1
34	543277	Elbow, fuel tank	1
35	303077	Clamp, gas line (Kohler)	6
	303077	Clamp, gas line (B&S)	4
	303077	Clamp, gas line (Kawasaki)	5
36	603955	Fuel line, 6" (Kaw & Kohler)	1
	543649	Fuel line, 7" (B&S)	1
37	603770	Valve, gas	1
38	603776	Fuel line, 2.5" (Kaw & Kohler)	1
	303471	Fuel line, 12" (B&S)	1
39	303197	Filter, gas	1
40	603954	Gas line, 13.75" (Kohler)	1
	303471	Gas line, 12.0" (Kawasaki)	1
41	543364	Tank, gas	1
42	513508	Cap, gas	1
43	543296	Grommet	1
44	323430	Module, Interlock	1
45	800251	Screw, 1/4-20 x 5/8	
		(Kaw & Kohler)	3
	800251	Screw, 1/4-20 x 5/8 (B&S)	5
46	303287	Tie, plastic 5 1/2" (Kaw)	5
47	303335	Tie, plastic 7 5/16"	2
48	323435	Harness wiring (Kawasaki)	1
	323440	Harness wiring (Kohler)	1
	403140	Harness wiring (B&S)	1
49	803322	Setscrew, 5/16-24 x 5/16	2
◆	840022	Pro-Lock, nut type (.5 cc tube)	1
50	302138	Lever, OPC (RH)	1
∇	840023	Pro-Lock retaining (.5 ml tube)	1
51	303365	Bushing, nylon	1
52	303474	Rod, connecting	1
53	303369	Bushing, flanged	1
54	602507	Lever, OPC (LH)	1
∇	840023	Pro-Lock retaining (.5 ml tube)	1
55	603727	Clip, .56 Loom	1
56	804252	Nut, nylock #10-24	2
57	603175	Knob, 1-3/8	1
58	804256	Nut, nylock 5/16-18	2
59	323245	Spring, compression	2
60	602733	Lever, shift	1
61	805257	Washer, 5/16	1
62	323244	Washer, friction	2
63	603730	Plate, shift lever	1
64	603716	Washer, friction	1
65	800277	Screw, 5/16-18 x 2	2
66	323183	Rod, speed control	1
67	804758	Nut, jam 5/16-24	1
68	808280	Pin, clevis	1
69	303105	Yoke, adjustable	1
70	513592	Knob, red ball	1
71	323129	Cable, throttle (Kaw & Kohler)	1
	543697	Cable, throttle (B&S)	1
72	513051	Switch, neutral lockout	1
73	801040	Screw, #10-24 x .75	2
74	403118	Bracket, key switch (B&S)	1
75	403121	Switch, ON-Off key (B&S)	1
	603511	Keys, ignition	1
76	303308	Clamp, gas line (Kawasaki)	1
77	805256	Washer 1/4" Flat	1
78	323423	Clip, loom 1/4" (Kaw)	1

ƒ Not Illustrated.

* Use anti-seize compound on threads.

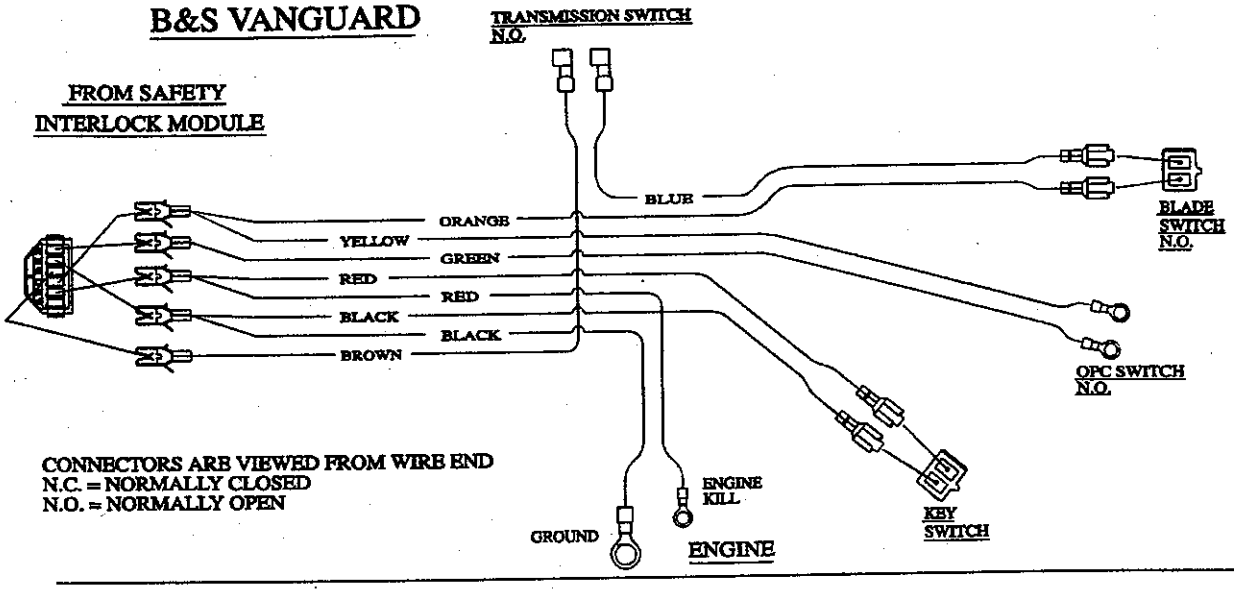
◆ Use Pro-Lock (nut type) on setscrew threads.

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

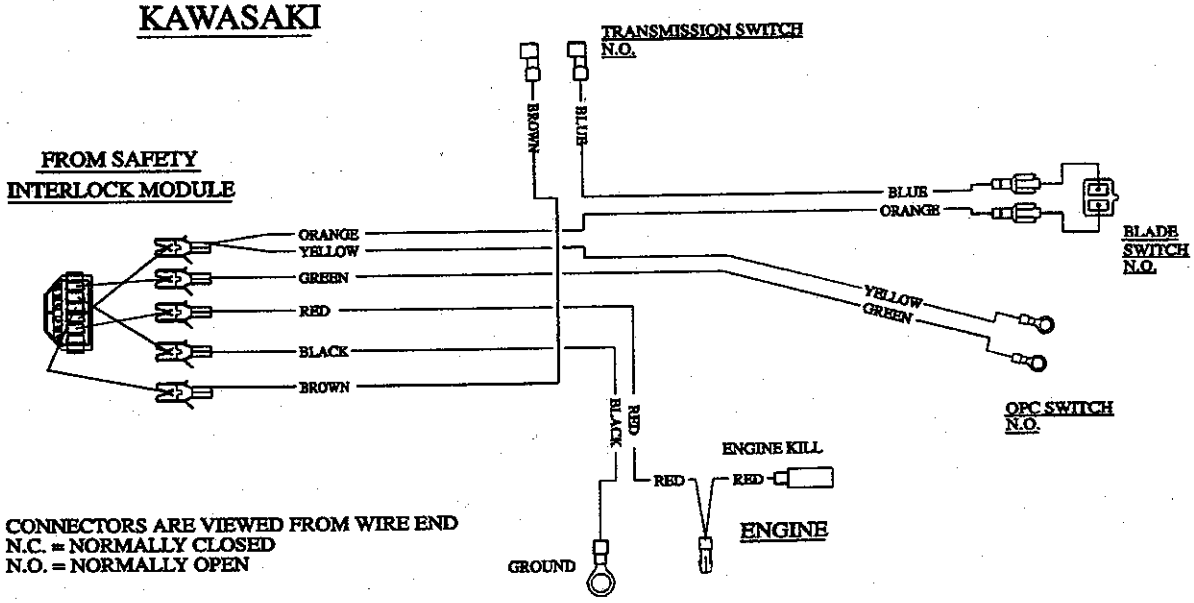
NOTE: Use dielectric grease on all electrical connectors.

WIRING DIAGRAMS

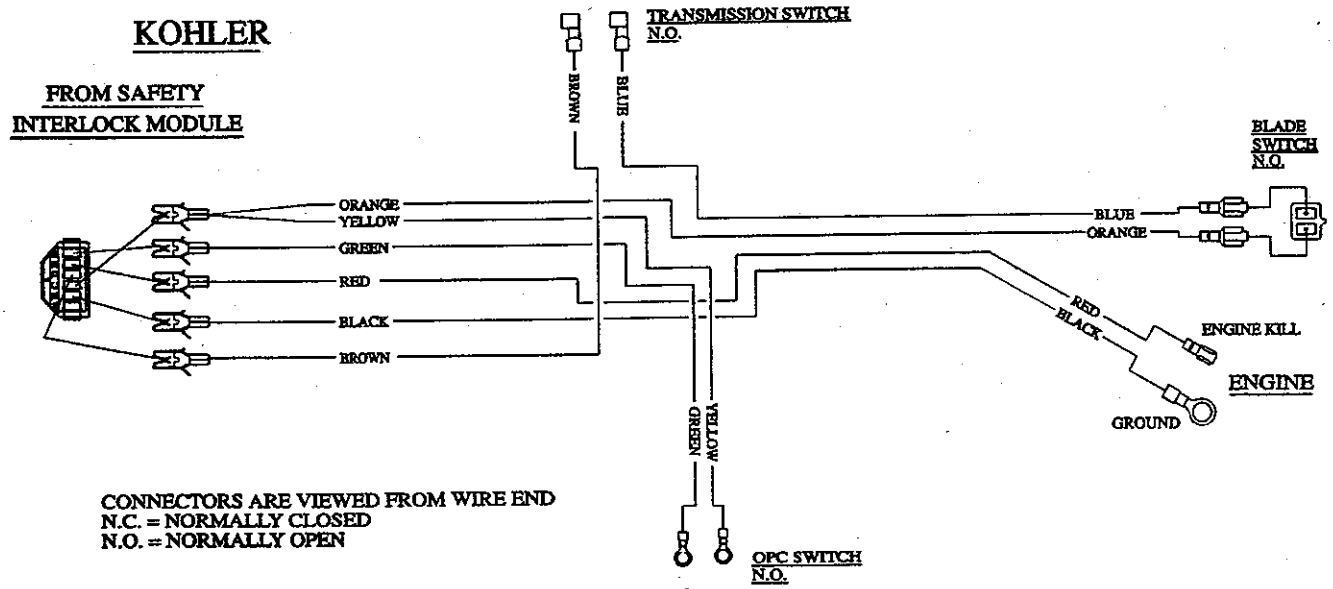
B&S VANGUARD



KAWASAKI



KOHLER



SERVICE RECORD

Date	Description of Work Done	Service Done By

SERVICE RECORD

Date	Description of Work Done	Service Done By

NOTES

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