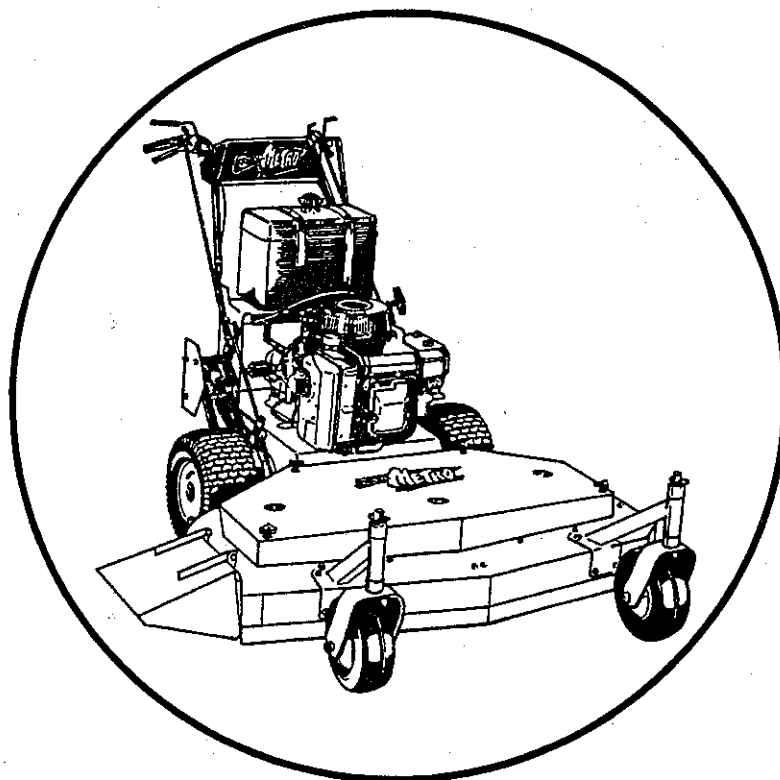




For Serial Nos.
115,000 and Higher

METRO



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. 850395

EXMARK PARTS PLUS® PROGRAM

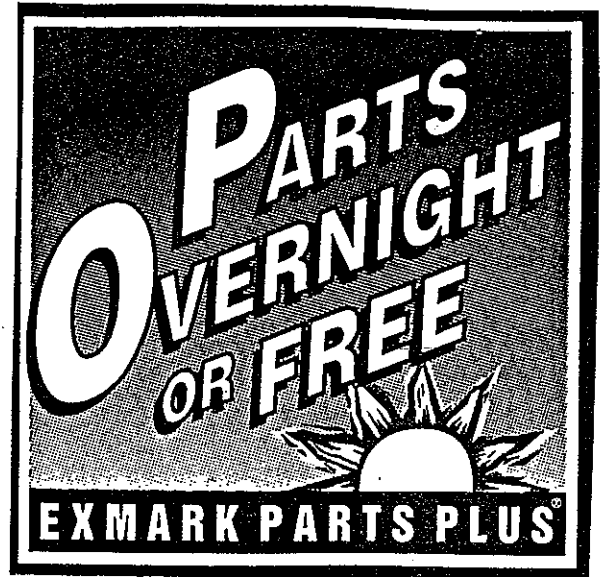
EFFECTIVE DATE: September 1, 1995

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 arrives 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.

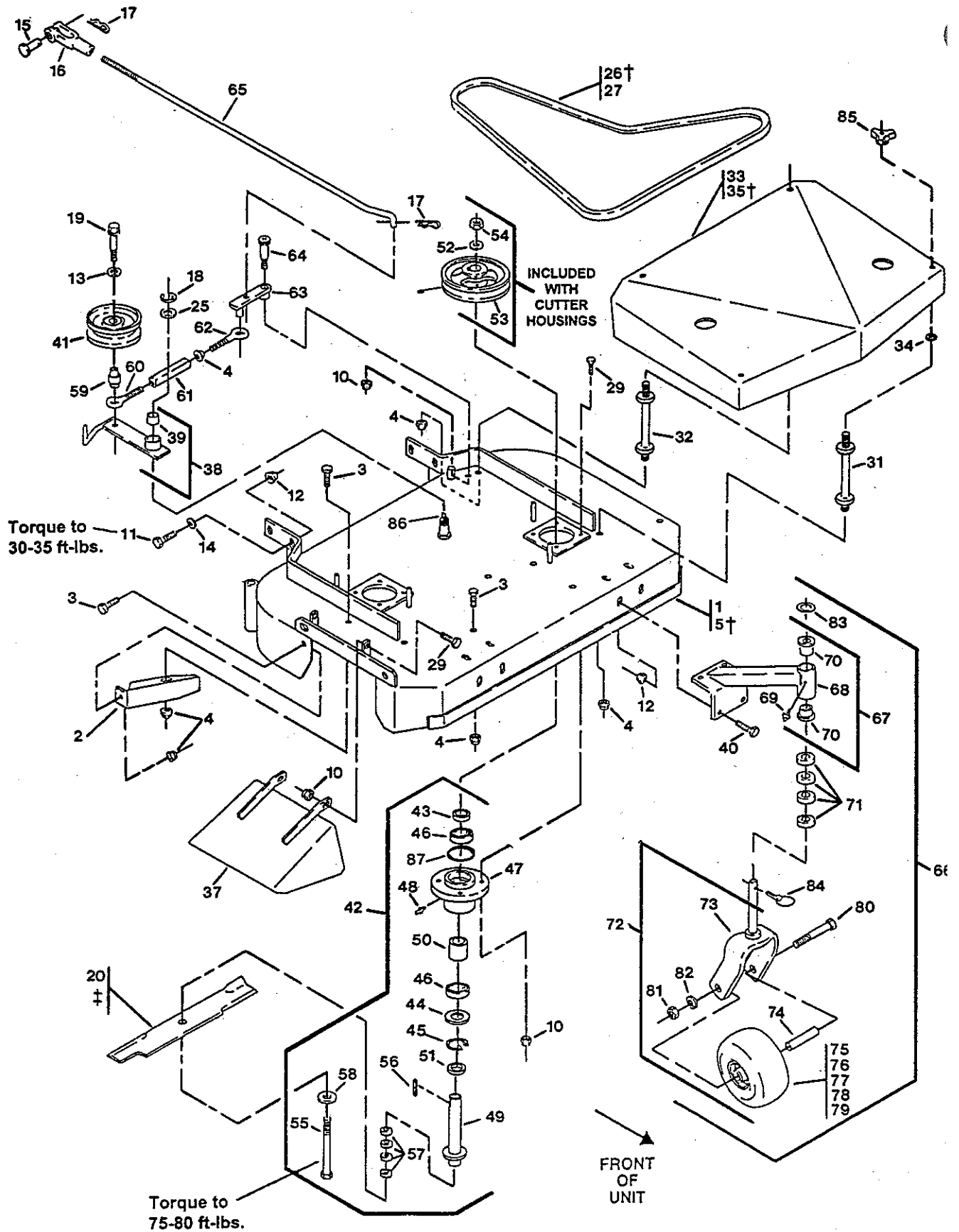


**READ OPERATOR'S OPERATOR'S MANUAL BEFORE
OPERATING OR SERVICING EXMARK EQUIPMENT.**

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32" and 36" MOWER DECK



32" and 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	43	•323402	Spacer, bearing sheave	1
2	•302189	Baffle wldmnt, dogleg	1	44	•323408	Dust shield	1
3	•800270	5/16-18 x 5/8 HHCS	8	45	•808506	Retaining ring	1
4	•809001	5/16-18 Whizlock nut	8	46	•303543	Cutter housing bearing	2
5†	302211	Front Deck w/baffles (32")	1	47	•323315	Cutter housing	1
(2)	•302189	Baffle wldmnt, dogleg	1	48	•811001	1/8 N.P.T. Straight zerk	1
(3)	•800270	5/16-18 x 5/8 HHCS	7	49	•322164	Cutter spindle wldmnt	1
(4)	•809001	5/16-18 Whizlock nut	7	50	•323400	Spacer (long)	1
10	804256	5/16-18 Nylock hex nut	11	51	•323399	Spacer (short)	1
11	800293	3/8-16 x 1 1/4 HH capscrew	6	52	•323339	Retaining washer, sheave	1
12	809007	3/8-16 whizlock nut	14	53■	•303535	Pulley, cast iron	1
13	805259	3/8 Flatwasher	2	54	•804510	5/8-18 UNF hex nut	1
14	303327	3/8 Disc spring washer	6	55	•800861	5/8-18 x 8 HH Capscrew (Gr 5)	1
15	808280	5/16 x 1 Clevis pin	1	56	•807267	Key, 1/4 x 3/16 x 1 1/4	1
16	303105	Yoke	1	57	•303164	Spacer, blade drive	4
17	806003	Cotter hairpin	2	58	•513208	5/8 Spring disc washer	1
18	808505	E-Ring for .875 rd.	1	(87)	•303542	O-Ring	1
19	803003	3/8-16 x 1 3/4 Whizlock bolt	1	59	303434	Engagement bushing	1
20	303146	Blade, 18" High Lift (36")(Std.)	2	60	303348	Eye bolt (left hand thread)	1
‡	303495	Blade, Mulching (36")	2	61	303236	Turnbuckle body	1
	303439	Blade, Low Lift (36") optional	2	62	303238	Eye bolt (right hand thread)	1
	303283	Blade, High Lift 1/4" (36") optional	2	63	302198	Assist arm	1
†	403026	Blade, 16 1/4" High Lift (32")(Std.)	2	64	809011	3/8 x 3/4 Shoulder bolt	1
‡	403086	Blade, Mulching (32")	2	65	323303	Assist arm linkage	1
†	403059	Blade, 1/4" High Lift (32") optional	2	66	322153	Caster/mount, complete	2
†	403075	Blade, Low Lift (32") optional	2	67	•302203	Caster wheel support w/bearings	1
25	303352	Washer, spindle	1	68	••302194	Caster wheel support wldmnt	1
26†	323345	Drive belt, (to blades) 32" Model	1	69	••811001	Grease zerk, 1/8 N.P.T.	1
27	323299	Drive belt (to blades) 36" Model	1	70	••303514	Flange, thrust bearing	2
28	803310	Setscrew, 5/16-18 x 3/8	4	71	•303314	Spacer, 10" caster	4
f	840022	Prolock (Nut type) .5 ml tube	1	72	•322154	Caster wheel assembly	1
29	800273	5/16-18 x 1 HH capscrew	10	73	••322145	Fork wldmnt, caster	1
(4)	809001	5/16-18 Whizlock nut	5	74	••513547	Spacer, front caster	1
31	303537	Stud, belt shield (short)	2	75	••513648	Wheel & tire, complete	1
32	303536	Stud, belt shield (long)	2	76	••513807	Wheel & hub	1
33	324208	Shield wldmnt, 36" Metro	1	77	••513808	Tire, 9 x 3.50-4 4-ply	1
34	323417	Washer, belt cover mount	4	78	••513809	Roller bearing	1
35	324194	Shield wldmnt, 32" Model	1	79	••513810	Bushing	2
(34)	323417	Washer, belt cover mount	4	80	••800334	1/2-13 x 6 HH capscrew	1
37	302054	Chute	1	81	••804509	1/2-13 Hex nut	1
38	302129	Engagement arm w/bushing	1	82	••805008	1/2 spring lockwasher	1
39	•303144	Powder metal bearing	1	83	•513338	Washer, special	1
40	800290	3/8-16 x 3/4 HH capscrew	8	84	•809020	Quick pin, 10" caster	1
41	603843	Idler pulley (heavy duty)	1	85	323385	Knob, belt cover	4
42	322166	Cutter housing w/sheave	2	86	811006	Zerk, 1/4-28 STRT	1
				87	303542	O-Ring	1

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

f Not illustrated. [Reference to item 28, use Pro-lock (Nut type P/N 840022) on setscrew threads (Setscrew Part No. 803310)]

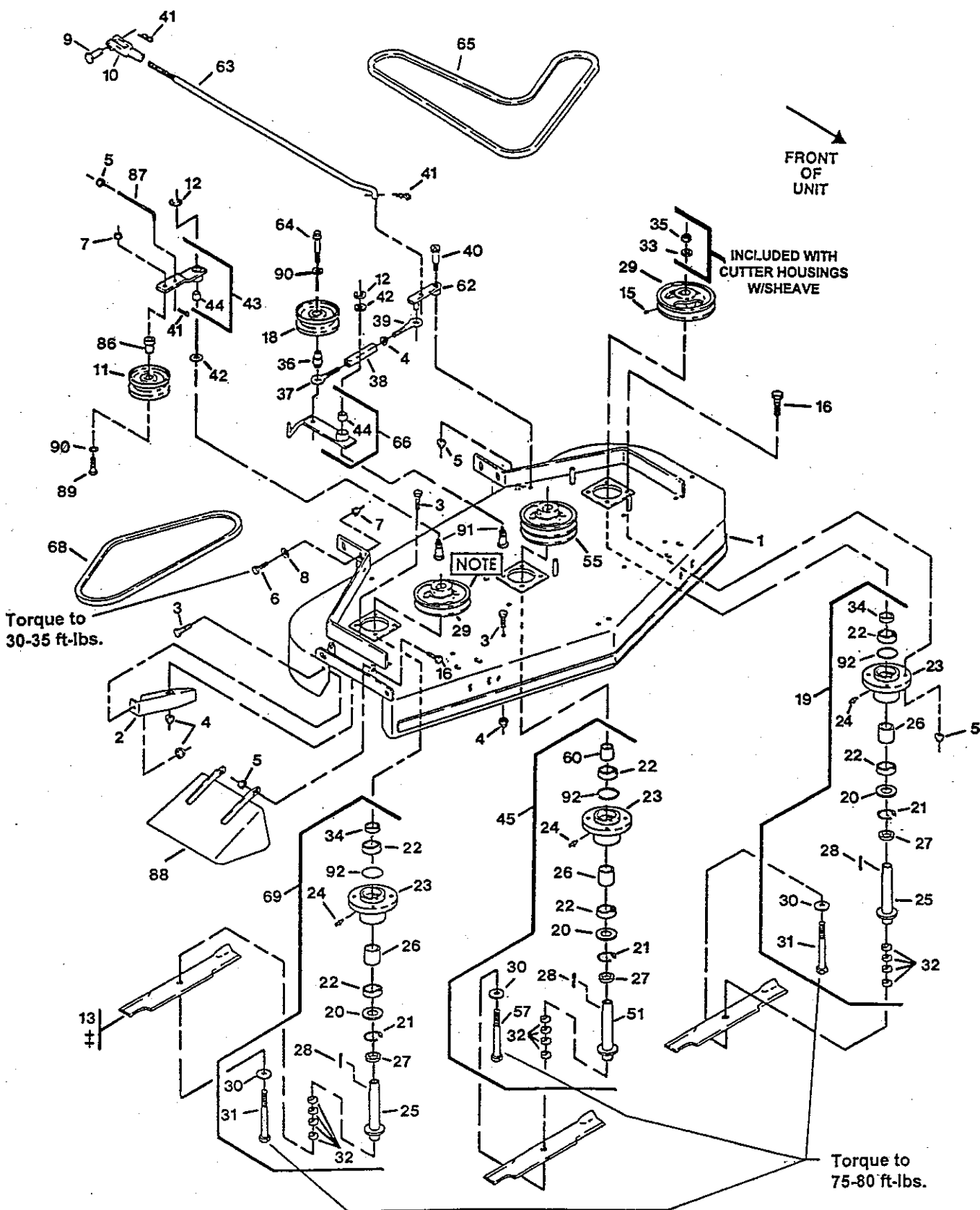
† Refers to 32" Model only.

‡ Requires installation of Mulching Kit (Part No. MK36-2 or Part No. MK32-2).

Reference numbers in parenthesis indicate these parts are also used in other locations.

■ 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	(20)	•323408	Dust shield.....	1
2	•302189	Baffle, dogleg.....	1	(21)	•808506	Retaining ring.....	1
3	•800270	5/16-18 x 5/8 HH capscrew.....	10	(22)	•303543	Cutter housing bearing.....	2
4	•809001	5/16-18 Whizlock nut.....	10	(23)	•323315	Cutter housing.....	1
5	804256	5/16-18 Nylock hex nut.....	16	(24)	•811001	1/8 N.P.T. Straight zerk.....	1
6	800293	3/8-16 x 1 1/4 HH capscrew.....	6	51	•402075	Cutter spindle wldmnt, center (long).....	1
7	809007	3/8-16 whizlock nut.....	7	(26)	•323400	Spacer (long).....	1
8	303327	3/8 disc spring washer.....	6	(27)	•323399	Spacer (short).....	1
9	808280	5/16 x 1 Clevis pin.....	1	(28)	•807267	Key, 1/4 x 3/16 x 1 1/4.....	1
10	303105	Yoke.....	1	55	•403032	Double pulley.....	1
11	403119	Idler pulley "V".....	1	(30)	•513208	5/8 Spring disc washer.....	1
12	808505	E-Ring for .875 rd.....	2	57	•800862	5/8-18 x 8 1/2 HH capscrew, Gr5.....	1
13	403026	Blade, Ultra High Lift 16" (48").....	3	(32)	•303164	Spacer, blade drive.....	4
	403059	Blade, 1/4 x 16 High Lift (48") optional.....	3	59f	•323339	Washer, retainer (sheave).....	1
‡	403086	Blade, mulching (48").....	3	60	•323404	Spacer, bearing (center sheave).....	1
	403075	Blade, Low Lift (48") optional.....	3	61f	•804510	5/8-18 UNF hex nut.....	1
15	803310	Setscrew, 5/16-18 x 3/8.....	6	62	302198	Assist arm.....	1
f	840022	Prolock (Nut type) .5 ml tube.....	1	63	323303	Assist arm linkage.....	1
16	800273	5/16-18 x 1 HH capscrew.....	14	64	803003	3/8-16 x 1 3/4 Whizlock bolt.....	1
(4)	809001	5/16-18 Whizlock nut.....	1	65	323300	Drive belt (main deck) 48".....	1
18	603843	Idler pulley (heavy duty).....	1	66	302129	Engagement arm w/bushing.....	1
19	322166	Cutter Housing w/sheave (LH).....	1	(44)	•303144	Powder metal bearing.....	1
20	•323408	Dust shield.....	1	68	403025	V-Belt, front deck.....	1
21	•808506	Retaining ring.....	1	69	322167	Cutter Housing w/sheave (RH).....	1
22	•303543	Cutter housing bearing.....	2	(20)	•323408	Dust shield.....	1
23	•323315	Cutter housing.....	1	(21)	•808506	Retaining ring.....	1
24	•811001	1/8 N.P.T. Straight zerk.....	1	(22)	•303543	Cutter housing bearing.....	2
25	•322164	Cutter spindle wldmnt (LH).....	1	(23)	•323315	Cutter housing.....	1
26	•323400	Spacer (long).....	1	(24)	•811001	1/8 N.P.T. Straight zerk.....	1
27	•323399	Spacer (short).....	1	(25)	•322164	Cutter spindle wldmnt (RH).....	1
28	•807267	Key, 1/4 x 3/16 x 1 1/4.....	1	(26)	•323400	Spacer (long).....	1
29	•303535	Pulley, cast iron.....	1	(27)	•323399	Spacer (short).....	1
30	•513208	5/8 Spring disc washer.....	1	(28)	•807267	Key, 1/4 x 3/16 x 1 1/4.....	1
31	•800861	5/8-18 x 8 HH Capscrew (Gr 5).....	1	(29)	•303535	Pulley, cast iron.....	1
32	•303164	Spacer, blade drive.....	4	(30)	•513208	5/8 Spring disc washer.....	1
33	•323339	Washer, retainer (sheave).....	1	(31)	•800861	5/8-18 x 8 HH Capscrew (Gr 5).....	1
34	•323402	Spacer, bearing (sheave).....	1	(32)	•303164	Spacer, blade drive.....	4
35	•804510	5/8-18 UNF hex nut.....	1	83f	•323339	Washer, retainer (sheave).....	1
36	303434	Engagement bushing.....	1	(34)	•323402	Spacer, bearing (sheave).....	1
37	303348	Eye bolt (left hand thread).....	1	85f	•804510	5/8-18 UNF hex nut.....	1
38	303236	Turnbuckle body.....	1	86	603496	Bushing, idler bearing.....	1
39	303238	Eye bolt (right hand thread).....	1	87	403107	Belt tension rod.....	1
40	809011	3/8 x 3/4 Shoulder bolt.....	1	88	302054	Chute.....	1
41	806003	Cotter hairpin.....	3	89	800295	3/8-16 X 1 3/4 HH capscrew.....	1
42	303352	Washer, spindle.....	2	90	805259	3/8 Flatwasher.....	3
43	402053	Idler arm, complete (w/bushing).....	1	91	811006	Zerk 1/4-28 STRT.....	2
44	•303144	Powder metal bearing.....	1	92	303542	O-Ring.....	3
45	402077	Cutter housing w/sheave (center).....	1				

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED OF THE PRECEDING ASSEMBLY.

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

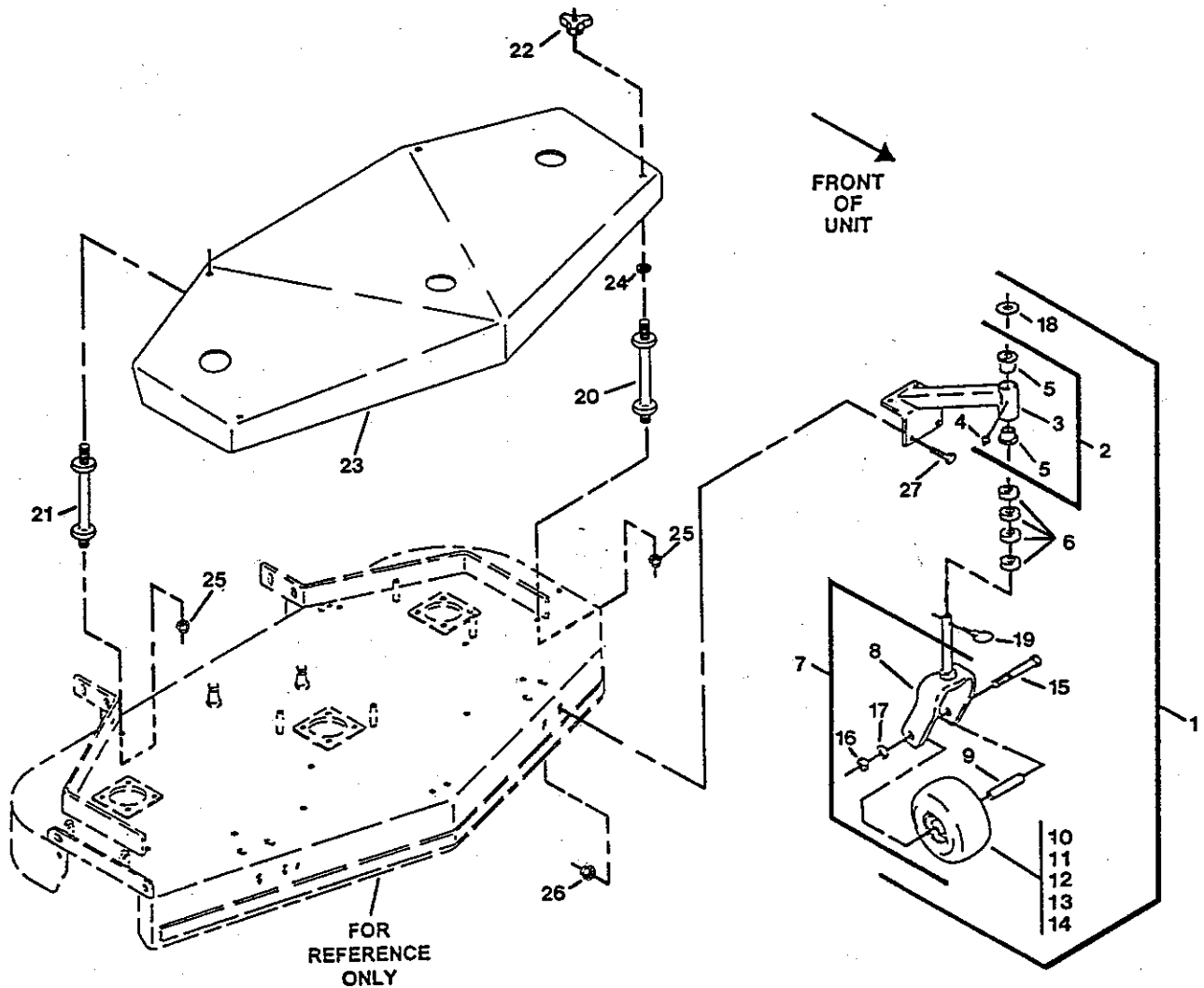
f Not illustrated. [Reference to item 15, use Prolock (Nut Type) on setscrew threads (Part No. 803310)]

NOTE: Pulley (Part No. 303535) on the *right hand* side (from operators position) is turned upside down with the long side of the hub facing up.

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

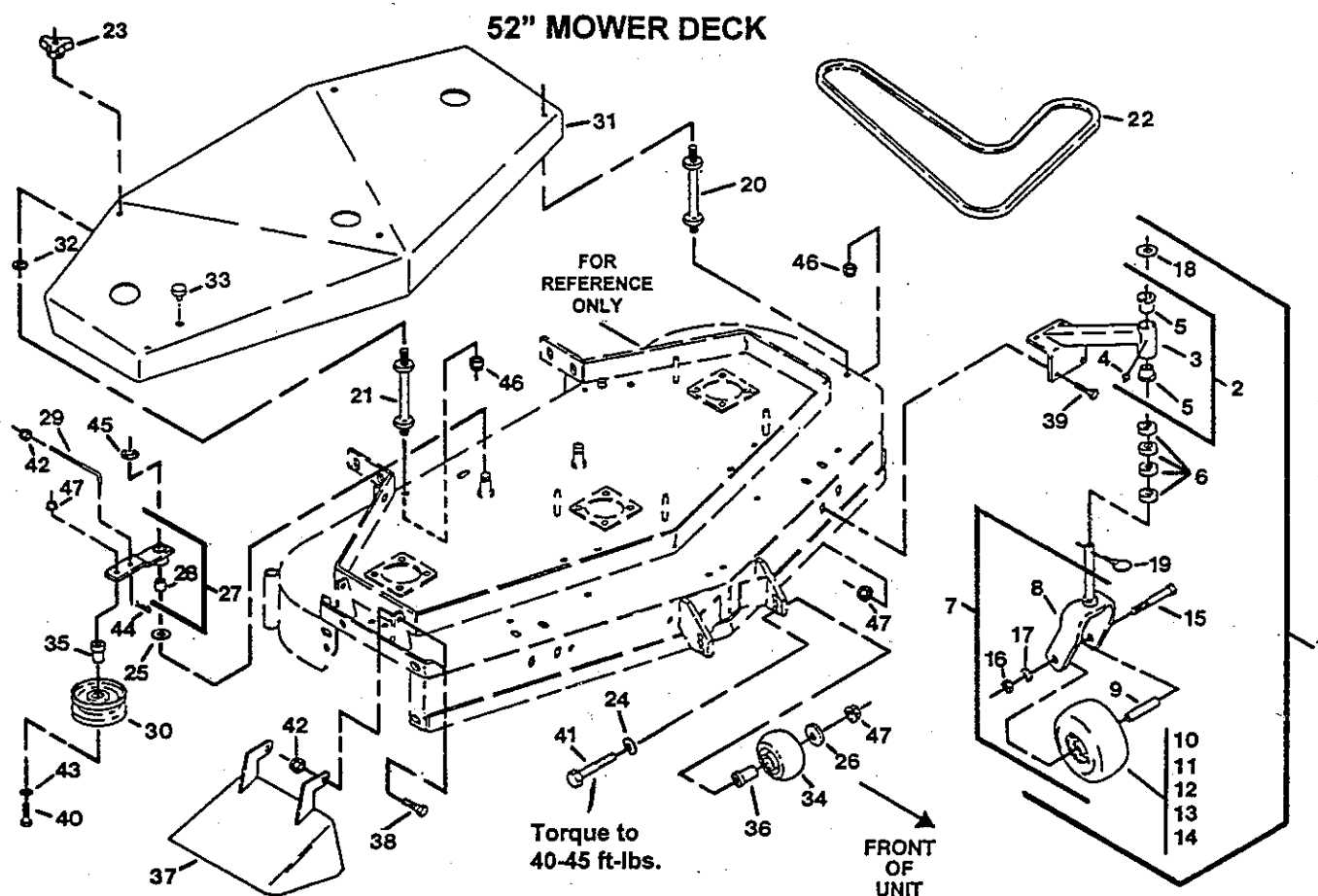
Reference numbers in parenthesis indicate these parts are also used in other locations.

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	15	••800334	1/2-13 x 6 HH capscrew	1
2	•302203	Caster wheel support w/bearings	1	16	••804509	1/2-13 Hex nut	1
3	••302194	Caster wheel support wldmnt	1	17	••805008	1/2 spring lockwasher	1
4	•••811001	Grease zerk, 1/8 N.P.T.	1	18	•513338	Washer, special	1
5	••303514	Flange, thrust bearing	2	19	•809020	Quick pin, 10" caster	1
6	•303314	Spacer, 10" caster	4	20	303537	Stud, belt shield (short)	2
7	•322154	Caster wheel assembly	1	21	303536	Stud, belt shield (long)	2
8	••322145	Fork wldmnt, caster	1	22	323385	Knob, belt cover	4
9	••513547	Spacer, front caster	1	23	404172	Shield wldmnt, 48" Metro	1
10	••513648	Wheel & tire, complete	2	24	323417	Washer, belt cover mount	4
11	•••513807	Wheel & hub	1	25	809001	5/16-18 Whizlock nut	4
12	•••513808	Tire, 9 x 3.50-4 4-ply	1	26	809007	3/8-16 Whizlock nut	4
13	•••513809	Roller bearing	1	27	800290	3/8-16 x 3/4 HH capscrew	1
14	•••513810	Bushing	2				

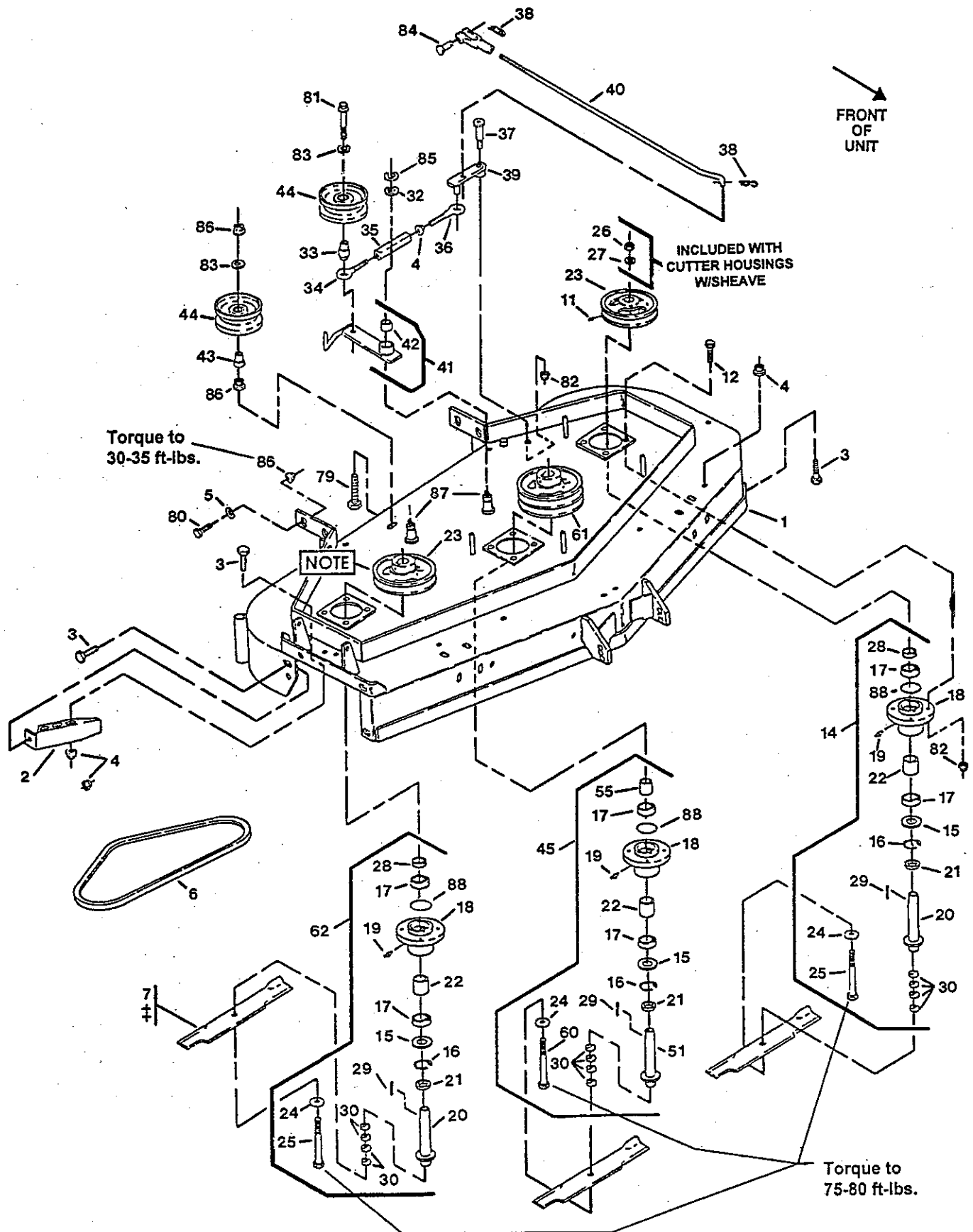
• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322153	Caster/mount, complete.....	2	25	303352	Washer, spindle.....	1
2	•302203	Caster wheel support w/bearings.....	1	26	373034	Washer, pivot.....	2
3	••302194	Caster wheel support wldmnt.....	1	27	402053	Idler arm, complete (right).....	1
4	•••811001	Grease zerk, 1/8 N.P.T.....	1	28	•303144	Bushing, powdered metal.....	1
5	••303514	Flange, thrust bearing.....	2	29	403107	Belt tension rod.....	1
6	•303314	Spacer, 10" caster.....	4	30	403119	Pulley, idler "V".....	1
7	•322154	Caster wheel assembly.....	1	31	404163	Shield wldmnt, 52" Metro.....	1
8	••322145	Fork wldmnt, caster.....	1	32	323417	Washer, belt cover mount.....	4
9	••513547	Spacer, front caster.....	1	33	513291	Bumper, rubber.....	1
10	••513648	Wheel & tire, complete.....	1	34	603299	Roller, anti-scalp.....	2
11	•••513807	Wheel & hub.....	1	35	603496	Bushing, idler bearing.....	1
12	•••513808	Tire, 9 x 3.50-4 4-ply.....	1	36	603602	Bushing, roller.....	2
13	•••513809	Roller bearing.....	1	37	602571	Chute.....	1
14	•••513810	Bushing.....	2	38	800273	5/16-18 x 1 HH capscrew.....	2
15	••800334	1/2-13 x 6 HH capscrew.....	1	39	800290	3/8-16 x 3/4 HH capscrew.....	8
16	••804509	1/2-13 Hex nut.....	1	40	800295	3/8-16 x 1 3/4 HH capscrew.....	1
17	••805008	1/2 spring lockwasher.....	1	41	800807	3/8-16 x 4 HH capscrew Gr. 8.....	2
18	•513338	Washer, special.....	1	42	804256	5/16-18 Nylock hex nut.....	3
19	•809020	Quick pin, 10" caster.....	1	43	805259	3/8 Flat washer.....	1
20	303537	Stud, belt shield (short).....	2	44	806003	Cotter hairpin.....	1
21	303536	Stud, belt shield (long).....	2	45	808505	E-Ring for .875 rd.....	1
22	323301	Drive belt.....	1	46	809001	5/16-18 Whizlock nut.....	4
23	323385	Knob, belt cover.....	4	47	809007	3/8-16 Whizlock nut.....	11
24	303327	3/8 Disc washer.....	2				

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

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/baffles (52")	1	45	402077	Cutter housing w/sheave (center)	1
2	•402057	Baffle wldmnt, discharge	1	(15)	•323408	Dust shield	1
3	•800270	5/16-18 x 5/8 HHCS	11	(16)	•808506	Retaining ring	1
4	•809001	5/16-18 Whizlock nut	11	(17)	•303543	Cutter housing bearing	2
5	303327	3/8 Disc spring washer	6	(18)	•323315	Cutter housing	1
6	403105	V-Belt, front deck	1	(19)	•811001	1/8 N.P.T. Straight zerk	1
7	303527	Blade, High Lift 18" (52")	3	51	•402075	Cutter spindle wldmnt (long)	1
	303439	Blade, Low Lift	3	(21)	•323399	Spacer (short)	1
‡	303495	Blade, mulching	3	(22)	•323400	Spacer (long)	1
	303283	Blade, 1/4 x 18" High Lift	3	54f	•323339	Washer, retainer (sheave)	1
11	803310	Setscrew, 5/16-18 x 3/8	6	55	•323404	Spacer, bearing (center sheave)	1
f	840022	Prolock (Nut type) .5 ml tube	1	(29)	•807267	Key, 1/4 x 3/16 x 1 1/4	1
12	800273	5/16-18 x 1 HH capscrew	12	(30)	•303164	Spacer, blade drive	4
(5)	809001	5/16-18 Whizlock nut	1	58f	•804510	5/8-18 UNF hex nut	1
14	322166	Cutter housing w/sheave (LH)	1	(24)	•513208	5/8 Spring disc washer	1
15	•323408	Dust shield	1	60	•800862	5/8-18 x 8 1/2 HH capscrew, Gr5	1
16	•808506	Retaining ring	1	61■	•403133	Double pulley	1
17	•303543	Cutter housing bearing	2	(88)	•303542	O-Ring	1
18	•323315	Cutter housing	1	62	322167	Cutter housing w/sheave (RH)	1
19	•811001	1/8 N.P.T. Straight zerk	1	(15)	•323408	Dust shield	1
20	•322164	Cutter spindle wldmnt	1	(16)	•808506	Retaining ring	1
21	•323399	Spacer (short)	1	(17)	•303543	Cutter housing bearing	2
22	•323400	Spacer (long)	1	(18)	•323315	Cutter housing	1
23■	•303535	Pulley, cast iron	1	(19)	•811001	1/8 N.P.T. Straight zerk	1
24	•513208	5/8 Spring disc washer	1	(20)	•322164	Cutter spindle wldmnt	1
25	•800861	5/8-18 x 8 HH Capscrew (Gr 5)	1	(21)	•323399	Spacer (short)	1
26	•804510	5/8-18 UNF hex nut	1	(22)	•323400	Spacer (long)	1
27	•323339	Washer, retainer (sheave)	1	(23)	•303535	Pulley, cast iron	1
28	•323402	Spacer, bearing	1	(24)	•513208	5/8 Spring disc washer	1
29	•807267	Key, 1/4 x 3/16 x 1 1/4	1	(25)	•800861	5/8-18 x 8 HH Capscrew (Gr 5)	1
30	•303164	Spacer, blade drive	4	74f	•804510	5/8-18 UNF hex nut	1
(88)	•303542	O-Ring	1	75f	•323339	Washer, retainer (sheave)	1
31	303105	Yoke	1	(28)	•323402	Spacer, bearing	1
32	303352	Washer, spindle	1	(29)	•807267	Key, 1/4 x 3/16 x 1 1/4	1
33	303434	Engagement bushing	1	(30)	•303164	Spacer, blade drive	4
34	303348	Eye bolt (left hand thread)	1	(88)	•303542	O-Ring	1
35	303236	Turnbuckle body	1	79	800029	3/8-16 x 2 1/4 HH tap bolt	1
36	303238	Eye bolt (right hand thread)	1	80	800293	3/8-16 x 1 1/4 HH capscrew	6
37	809011	3/8 x 3/4 Shoulder bolt	1	81	803003	3/8-16 x 1 3/4 Whizlock bolt	1
38	806003	Cotter hairpin	2	82	804256	5/16-18 Nylock hex nut	13
39	302198	Assist arm	1	83	805259	3/8 Flatwasher	3
40	323305	Assist arm linkage	1	84	808280	5/16 x 1 Clevis pin	1
41	302129	Engagement arm w/bushing	1	85	808505	E-Ring for .875 rd.	1
42	•303144	Bushing, powdered metal	1	86	809007	3/8-16 Whizlock nut	8
43	403074	Bushing, idler	1	87	811006	Zerk, 1/4-28 STRT	2
44	603843	Idler pulley (heavy duty)	2	88	303542	O-Ring	3

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

‡ Requires installation of Mulching Kit (Part No. MK52).

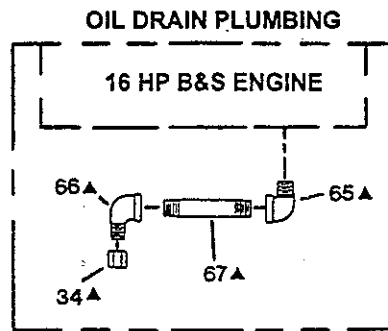
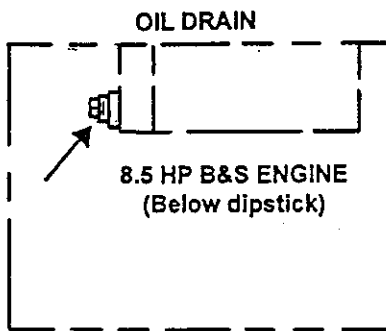
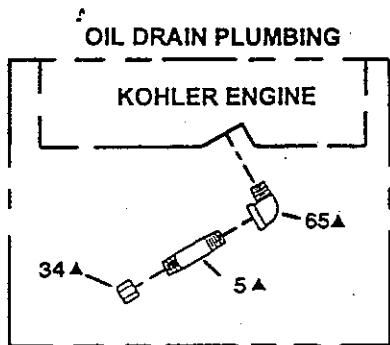
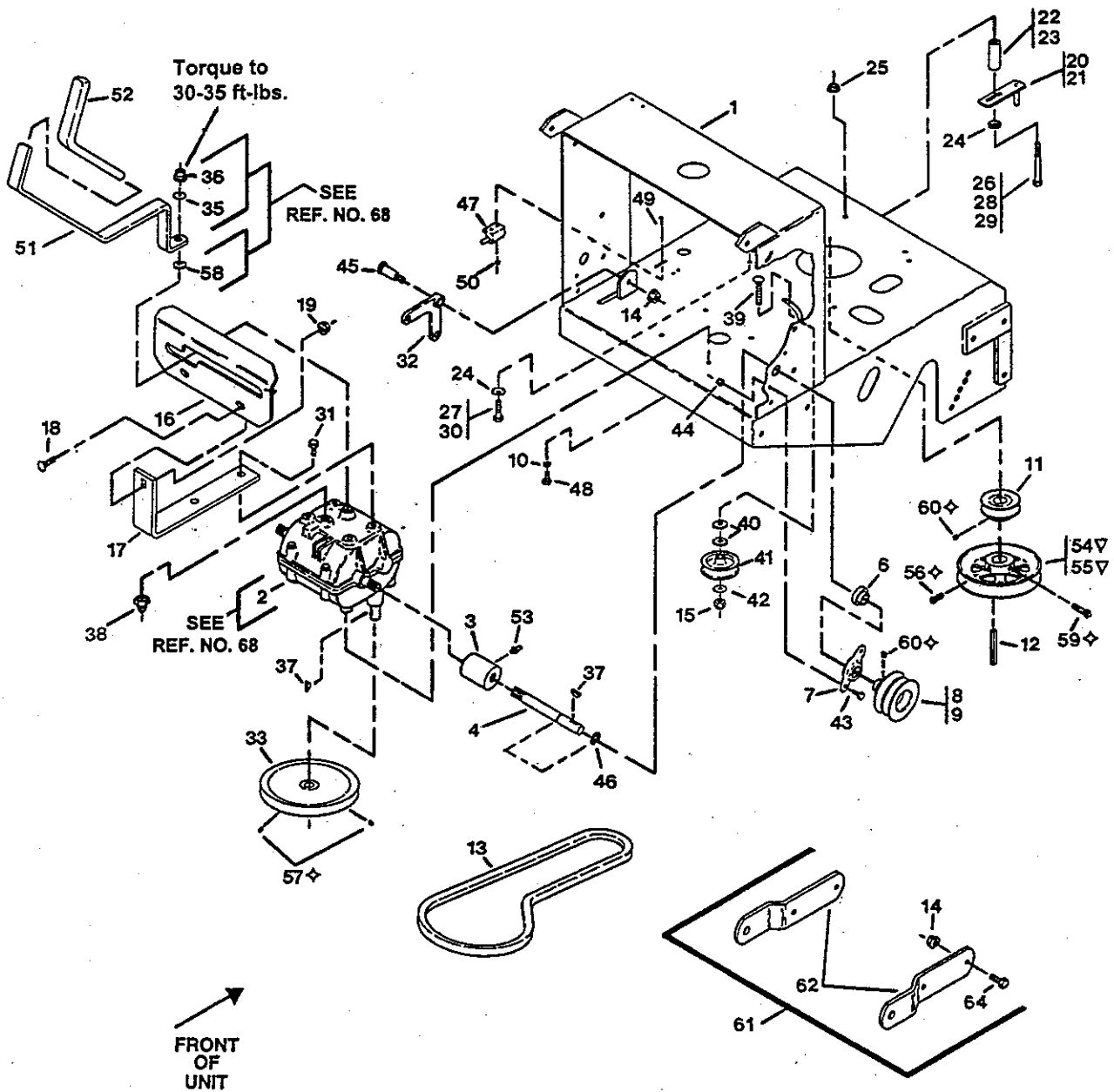
f Not Illustrated. [Reference to item 11, use Pro-lock (Nut type) on threads of setscrews (Part No. 803310)]

NOTE: Pulley (Part No. 303535) on the *right hand* side (from operators position) is turned upside down with the long part of the hub facing upward.

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

Reference numbers in parenthesis indicate these parts are also used in other locations.

ENGINE DECK GROUP



ENGINE DECK GROUP

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322151	Rear deck	1	30*	809072	M8-1.25 x 25mm HH capscrew	2
		For Serial No.s 115,000 thru 120,999				(32" and 36" Kawasaki & Kohler)	
2	■323378	Transmission	1	(30)*	809072	M8-1.25 x 25mm HH capscrew	1
3	■323275	Coupling, transmission shaft	2			(48" and 52" Kawasaki & Kohler)	
4	■323274	Output shaft, transmission	2	31	809013	5/16-18 x 3/4 Tapping screw	4
(46)	■808509	Retaining ring (ext.) for 5/8 shaft	2	32	303186	Bell crank	1
		For Serial No.s 121,000 and Higher		33	323278	Sheave, transmission drive	1
2	■323500	Transmission	1	34▲	543233	Cap (hex) 3/8 NPT	1
3	■323501	Coupling, transmission shaft	2	35	303327	3/8 Spring disc washer	1
4	■323502	Output shaft, transmission	2	36	804264	3/8-24 Hex nylock nut	1
(46)	■808523	Retaining ring	2	37	807009	3/16 x 3/4 Woodruff key	3
5▲	323326	Nipple (galvanized) 3/8 NPT x 3.0	1	38	303282	Neutral start switch	1
6	323252	Shaft bearing, transmission	2	39	807511	3/8-16 x 2 Carriage bolt, SSN	1
7	323254	Bearing flange, transmission shaft	2	40	805262	7/16 Std. Flatwasher	2
8	323257	Sheave, wheel drive, 3 1/4"	2	41	323285	Idler pulley, transmission drive	1
9	323363	Sheave, wheel drive, 3 1/4" (32")	2	42	805259	3/8 SAE flatwasher	1
10	805005	5/16 spring lockwasher	4	43	800251	1/4-20 x 5/8 HH capscrew	4
11	323256	Sheave, transmission drive, 2 3/4"	1	44	804255	1/4-20 Nylock nut	4
f	840023	Pro-Lock (Retaining) .5cc tube	1	45	603403	1/2 x 1 Shoulder bolt	1
12	807264	1/4 sq. x 2 5/8 Key	1	(46)	808509	Retaining ring (ext.) for 5/8 shaft	2
13	323280	Belt, transmission	1	47	513051	Blade engagement switch	1
14	809007	3/8-16 Whizlock nut	1	48	800271	5/16-18 x 3/4 HH capscrew	4
15	804257	3/8-16 Nylock nut	1	49	803028	10-24 x 5/8 Pan Hd.	2
16	323387	Shifter plate	1	50	804252	10-24 Nylock nut	2
17	323389	Leg, shifter lever	2	51	323376	Shift lever	1
18	807503	5/16-18 x 3/4 Carriage bolt	2	52	323250	Foam grip	1
19	809001	5/16-18 Whizlock nut	2	53	811006	1/4-28 Grease zerk (straight)	3
20	322110	Belt guide wldmnt (32" and 36")	2	54▽	303498	Pulley, blade drive (6 1/8")	1
21	322110	Belt guide wldmnt (48" and 52")	3			(For 36" and 52" Models)	
22	323228	Spacer, belt guide (32" and 36")	2	55▽	403087	Pulley, blade drive (6 3/4")	1
23	323228	Spacer, belt guide (48" and 52")	3			(For 32" and 48" Models)	
24	303334	5/16 disc spring washer	4	56◇	803022	5/16-18 x 5/8 Sq. setscrew	1
25	809001	5/16-18 Whizlock nut	4	57◇	803293	1/4-20 x 3/8 Cuppoint setscrew	2
		(Only with B/S engines)		58	323379	Washer, shifter lever	1
26*	800283	5/16-18 x 3 1/2 HH capscrew	3	59◇	803046	5/16-18 x 1 Sq. setscrew	1
		(With 48" & 52" Model B&S Engine)		60◇	803310	5/16-18 x 3/8 Cuppoint setscrew	3
(26)*	800283	5/16-18 x 3 1/2 HH capscrew	2	61	301023	Sulky Hitch Kit, Metro	1
		(With 32" Model 8.5 HP B&S Engine)		62	•323318	Hitch bracket	2
27*	800275	5/16-18 x 1 1/2 HH capscrew	1	(14)	•809007	3/8-16 Whizlock nut	4
		(With 48" & 52" Model B&S Engine)		64	•800292	3/8-16 x 1 HH capscrew	4
(27)*	800275	5/16-18 x 1 1/2 HH capscrew	1	65▲	303431	St. Elbow (brass) 3/8 NPT	1
		(With 32" Model 8.5 HP B&S Engine)		66▲	403124	St. Elbow (galvanized) 3/8 NPT	1
28*	809065	M8-1.25 x 75mm HH capscrew	2	67▲	543232	Nipple (galvanized) 3/8 NPT x 4.0	1
		(32" and 36" Kawasaki & Kohler)		68◇	321009	Kit, Metro transmission	1
29*	809065	M8-1.25 x 75mm HH capscrew	3			(48" and 52" Kawasaki & Kohler)	

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

◇ Use Pro-lock (Nut type) Part No. 840022 (.5mm tube) on setscrew threads.

f Not Illustrated. [Reference to item 11, use Pro-lock (Retaining) on sheave bore (Sheave Part No. 323256)]

▽ Apply anti-seize compound to pulley bore.

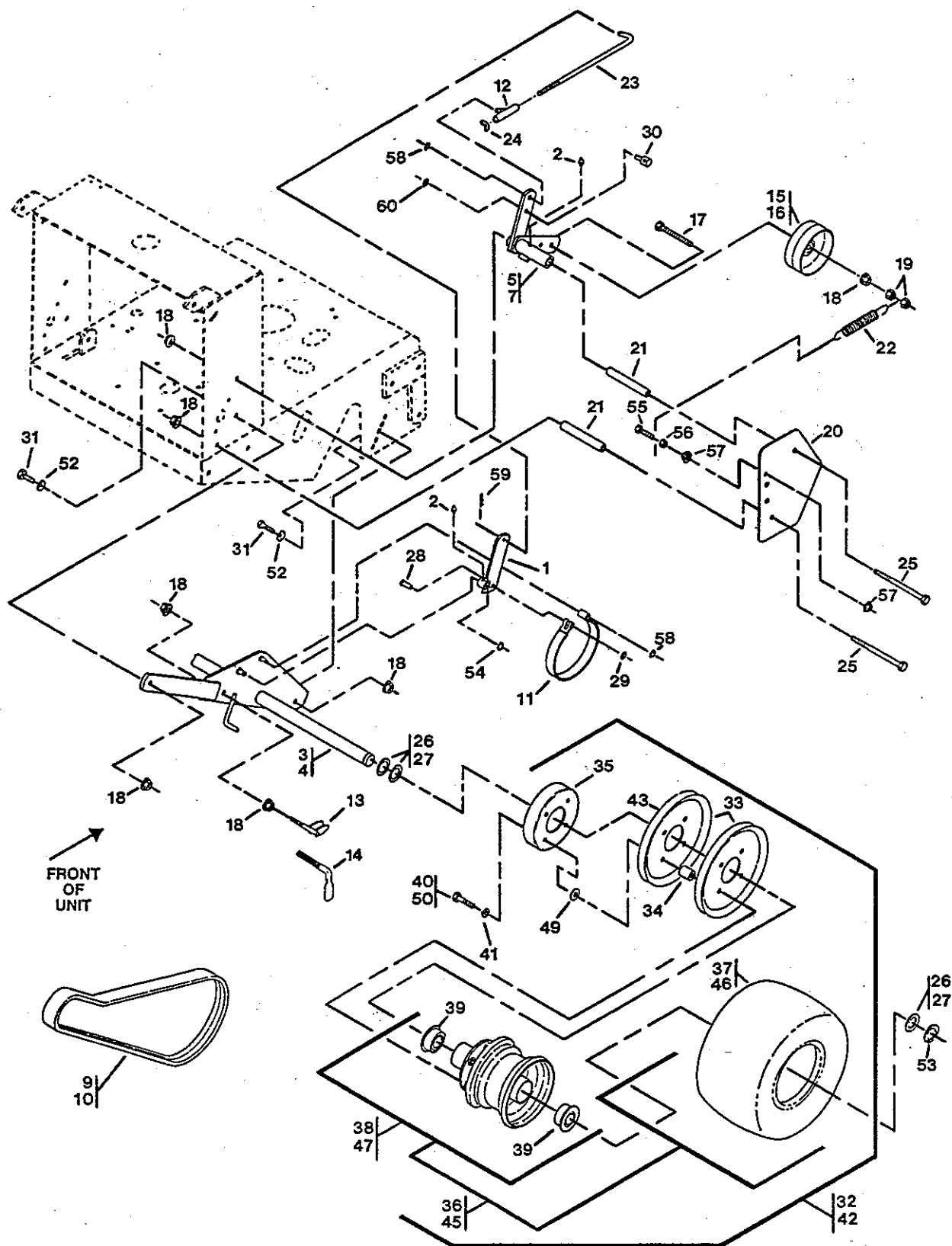
▲ Use Teflon Pipe Sealant (or equivalent) on all threaded areas.

◇ Part No's. 303327, 323378, 323379, and 804264 are included in the Metro Transmission Kit.

* Torque Engine Mounting Bolts: Briggs & Stratton to 15-20 ft-lbs / Kohler & Kawasaki to 25-30 ft-lbs.

Reference numbers in parenthesis indicate these parts are also used in other locations.

ENGINE DECK GROUP (con't)



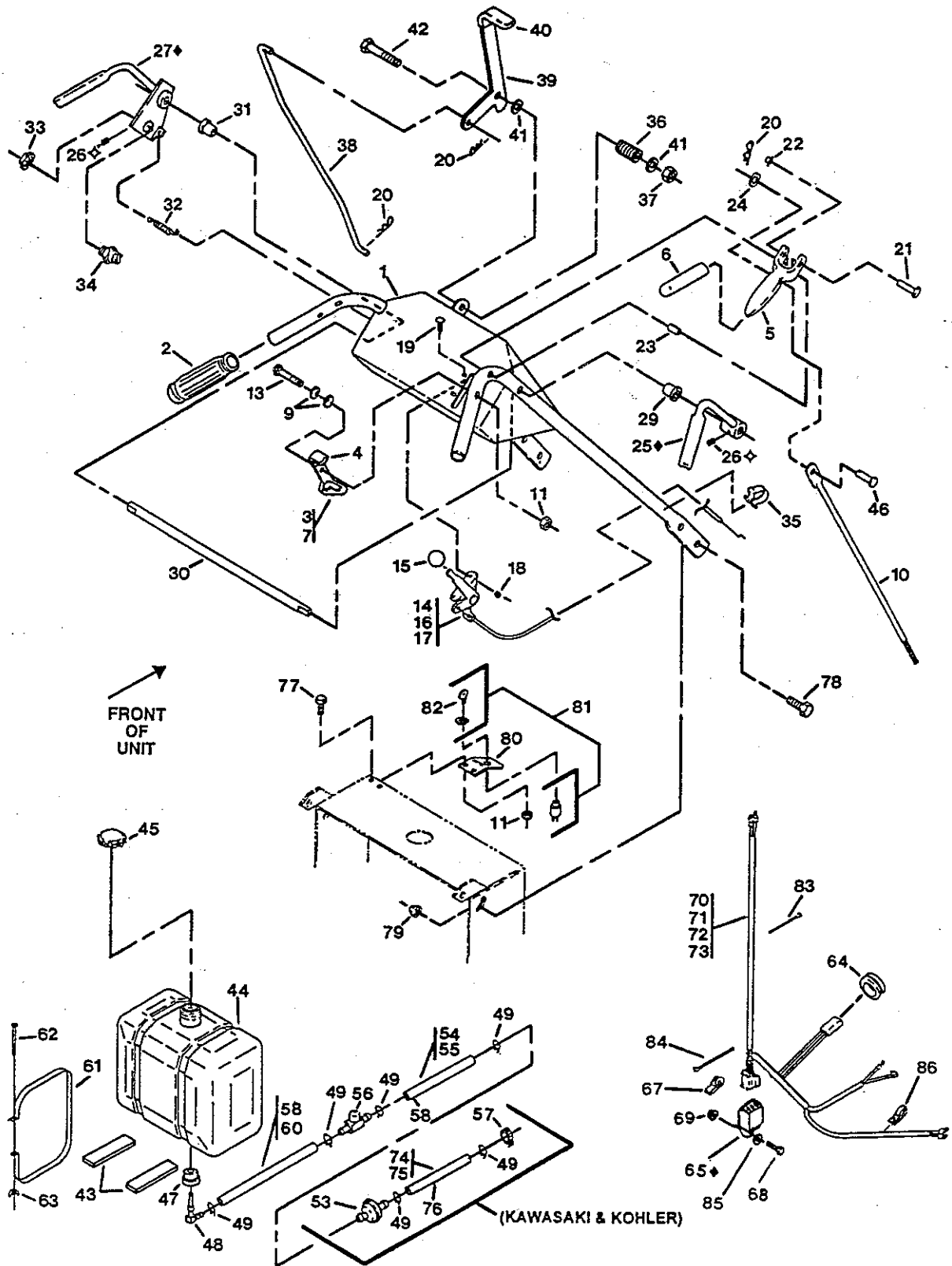
ENGINE DECK GROUP (con't)

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322113	Brake arm wldmnt	2	31	800292	3/8-16 x 1 HH capscrew	4
2	•811006	1/4-28 Grease zerk (straight).....	1	32	324146	Drive wheel, complete	2
3	322117	Axle wldmnt	1	33	323253	Sheave, wheel drive (8" A)	2
4	322141	Axle wldmnt (32" Model)	1	34	323260	Spacer, wheel sheave	4
5	322119	Idler arm wldmnt (LH).....	1	35	323261	Brake drum	1
(2)	•811006	1/4-28 Grease zerk (straight).....	1	36	323276	Wheel and tire, complete	1
7	322121	Idler arm wldmnt (RH).....	1	37	303125	Tire, 13 x 6.50 - 6 (4-ply)	1
(2)	•811006	1/4-28 Grease zerk (straight).....	1	38	••323328	Wheel & hub w/bearings	1
9	323288	Belt, wheel drive	2	39	•••323329	Bearing, flanged	2
10	323344	Belt, wheel drive (32" Model)	2	40	•800275	5/16-18 x 1 1/2 HH capscrew	4
11	323262	Brake band.....	2	41	•805005	5/16 Spring washer.....	4
12	322125	Swivel wldmnt, brake linkage	2	42	324193	Drive wheel, complete (32" Model)....	2
13	322123	Scraper wldmnt	2	43	•323349	Sheave, wheel drive (8" B)	1
14	603430	Scraper wldmnt (32" Model).....	2	(35)	•323261	Brake drum	1
15	323277	Idler pulley, wheel drive.....	2	45	•323346	Wheel & Tire, complete	1
16	323352	Idler pulley, wheel drive (32" Model) ..	2	46	••323361	Tire, 13 x 5.00 - 6 (4 - ply).....	1
17	800032	3/8-16 x 3 HH Tap bolt.....	2	47	••323360	Wheel & hub w/bearings	1
18	809007	3/8-16 Whizlock nut.....	14	(39)	•••323329	Bearing, flanged	2
19	804257	3/8-16 Nylock nut	4	49	•373034	Swivel washer (32" Model only).....	4
20	323287	Shield, wheel drive	2	50	•800274	5/16-18 x 1 1/4 HH capscrew	4
21	323283	Spacer.....	4	(41)	•805005	5/16 Spring washer.....	4
22	603402	Drive spring	2	52	303327	3/8 Disc spring washer	4
23	323296	Brake rod.....	2	53	808519	E-Ring (for 1" shaft)	2
24	513959	5/16-18 Nylock wingnut.....	2	54	808501	E-Ring (for 1/2" shaft)	2
25	800306	3/8-16 x 5 HH capscrew.....	4	55	800274	5/16-18 x 1 1/4 HH capscrew	2
26	523157	Spacer, wheel (14 Ga.)	As Req'd.	56	804256	5/16-18 Nylock nut.....	2
27	543436	Spacer, wheel (18 Ga.)	As Req'd.	57	809001	5/16-18 Whizlock nut.....	4
28	323307	3/8 Clevis pin.....	2	58	808522	Klipring (for 3/8 shaft)	4
29	803051	3/8 Pushnut.....	2	59	806003	Cotter hairpin, #2	2
30	323368	Swivel, short adjust	2	60	808520	Klipring (for .31 shaft)	2

• INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

Reference numbers in parenthesis indicate these parts are also used in other locations.

UPPER HANDLES & CONTROLS



UPPER HANDLES & CONTROLS

Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	322181	Handle wldmnt, 5-Speed.....	1	41	805260	3/8 Std. flatwasher	2
	322179	Handle wldmnt, (Electric Start)	1	42	800296	3/8-16 x 2 HH capscrew.....	1
2	303097	Handle grip.....	2	43	303315	Pad, gas tank	2
3	302005	Latch w/grip (left)	1	44	543364	Tank, gas	1
4	•303019	Grip, latch.....	1	45	513508	Cap, fuel tank.....	1
5	302006	Drive lever w/grip	2	46	323370	Clevis pin.....	2
6	•303021	Grip, drive lever.....	1	47	513645	Bushing, fuel tank.....	1
7	302007	Latch w/grip (right)	1	48	543277	Elbow, 90°	1
(4)	•303019	Grip, latch.....	1	49	303077	Clamp, fuel line (8.5 HP, B&S).....	4
9	303435	Washer, 1/4 disc spring	4	(49)	303077	Clamp, fuel line (B&S Vanguard)	4
10	323359	Linkage, wheel drive	2	(49)	303077	Clamp, fuel line (Kawasaki).....	5
11	804255	1/4-20 Nylock nut (B&S Vanguard).....	4	(49)	303077	Clamp, fuel line (Kohler).....	6
(11)	804255	1/4-20 Nylock nut (Kohler & Kaw.).....	2	53	303197	Gas filter (Kawasaki & Kohler).....	1
13	800257	1/4-20 x 1 3/4 HH capscrew	2	54	603776	Fuel line, 2.5" (Kaw. & Kohler).....	1
14	323322	Throttle cable (Kaw. & Kohler).....	1	55	303471	Fuel line, 12" (B&S Vanguard).....	1
15	•513592	Knob, (red ball)	1	56	603770	Fuel valve.....	1
16	323377	Throttle cable (8.5 HP, B&S).....	1	57	303308	Clamp, fuel line (Kawasaki).....	1
(15)	•513592	Knob, (red ball)	1	58	603955	Fuel line, 6" (8.5 HP, B&S).....	2
17	543697	Throttle cable (B&S Vanguard).....	1	59	603955	Fuel line, 6" (Kaw. & Kohler).....	1
(15)	•513592	Knob, (red ball)	1	60	543649	Fuel line, 7" (B&S Vanguard).....	1
18	804252	10-24 Nylock hex nut.....	2	61	303465	Strap, 5-gal. fuel tank	2
19	807513	10-24 x 1/2 Carriage bolt	2	62	801062	Screw, 1/4-20 x 3	2
20	806003	Hairpin cotter.....	4	63	543792	1/4-20 Nylock wingnut.....	2
21	808250	3/16 x 1 3/4 Clevis pin.....	2	64	543296	Grommet, fuel tank.....	1
22	803001	3/16 Palnut.....	2	65♦	323430	Interlock, OPC	1
23	806340	5/16 x 1 Rollpin	2	67	323229	Clip, 3/8 Loom	1
24	805258	5/16 Std. flat washer	2	68	800252	1/4-20 x 3/4 HH capscrew.....	1
25♦	302138	Lever, OPC (RH).....	1	69	804255	1/4-20 Nylock nut	1
26♦	•803322	5/16-24 Setscrew	1	70	323432	Wiring harness (Kawasaki)	1
f	840023	Pro-Lock (Retaining) .5cc tube	1	71	323433	Wiring harness (Kohler)	1
27♦	602507	Lever, OPC (LH).....	1	72	323434	Wiring harness (B&S Vanguard).....	1
(26)	•803322	5/16-24 Setscrew	1	73	323429	Wiring harness (8.5 HP, B&S).....	1
f	840023	Pro-Lock (Retaining) .5cc tube	1	74	603954	Fuel line, 13.75" (Kohler).....	1
29	303365	Nylon bushing	1	75	303022	Fuel line, 8.5" (12.5 HP Kawasaki).....	1
30	303474	Connecting rod.....	1	76	303471	Fuel line, 12" (14 HP Kawasaki).....	1
31	303369	Bushing, flanged	1	77	800251	1/4-20 x 5/8 HH capscrew.....	2
32	303363	Actuator spring.....	1			(B&S Vanguard)	
33	803034	9/16-18 Palnut.....	1	78	800292	3/8-16 x 1 HH capscrew.....	4
34	303372	Operator control switch.....	1	79	804257	3/8-16 Nylock nut	4
35	303088	Cable clip	1	80	403118	Bracket, key switch (B&S Vanguard) ..	1
36	303160	Compression spring	1	81	403121	Key switch, Off/Run (B&S Vanguard) ..	1
37	804257	3/8-16 Nylock nut.....	1	82	• 603511	Ignition key	1
38	323298	Linkage, blade drive.....	1	83	303335	Plastic tie, 7 15/16"	2
39	322157	Engagement lever, blade.....	1	84	303287	Plastic tie, 5 1/2"	3
40	•303020	Grip, lever	1	85	805256	1/4 STD. Flatwasher	1
				86	323423	Clip, 1/4 Loom	1

♦ INDENTED PART NAMES INDICATE THESE PARTS ARE INCLUDED IN THE PRECEDING ASSEMBLY.

♦ Use Pro-lock (Nut type) Part No. 840022 (.5 mm tube) on setscrew threads.

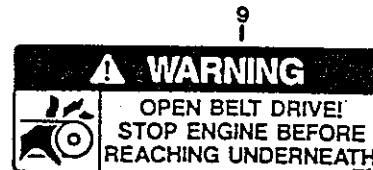
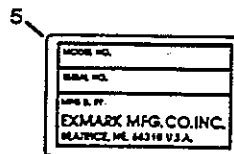
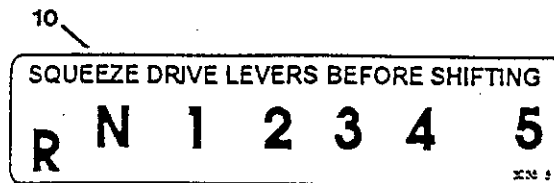
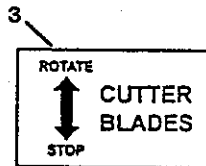
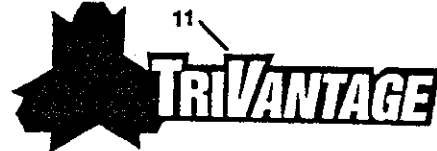
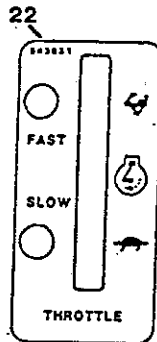
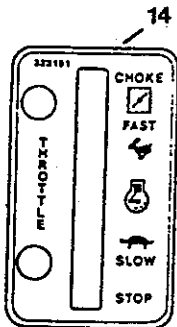
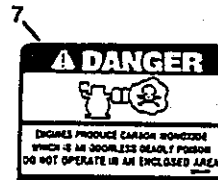
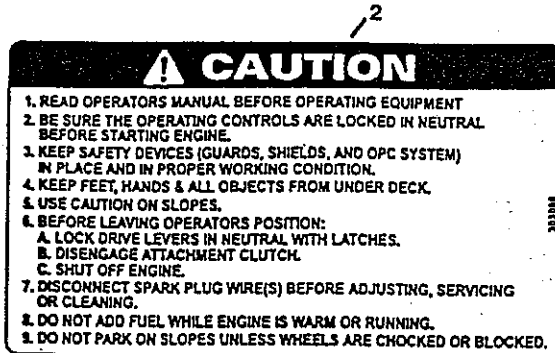
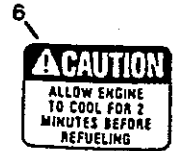
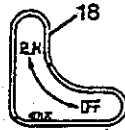
f Not illustrated. Use Pro-lock (Retaining) on inside of OPC hub (See Operator's Manual).

♦ OPC refers to Operator Presence Control.

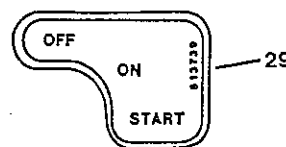
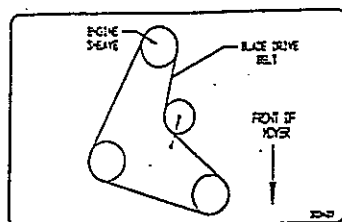
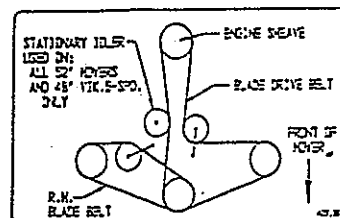
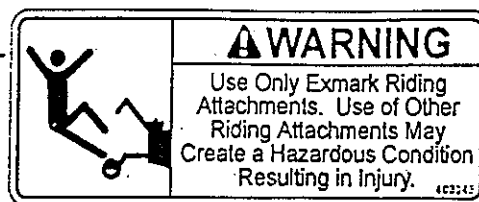
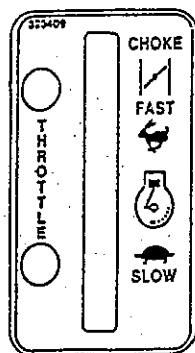
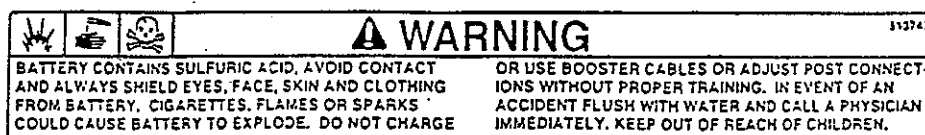
Reference numbers in parenthesis indicate these parts are also used in other locations.

NOTE: Use dielectric grease on all electrical connections.

DECALS

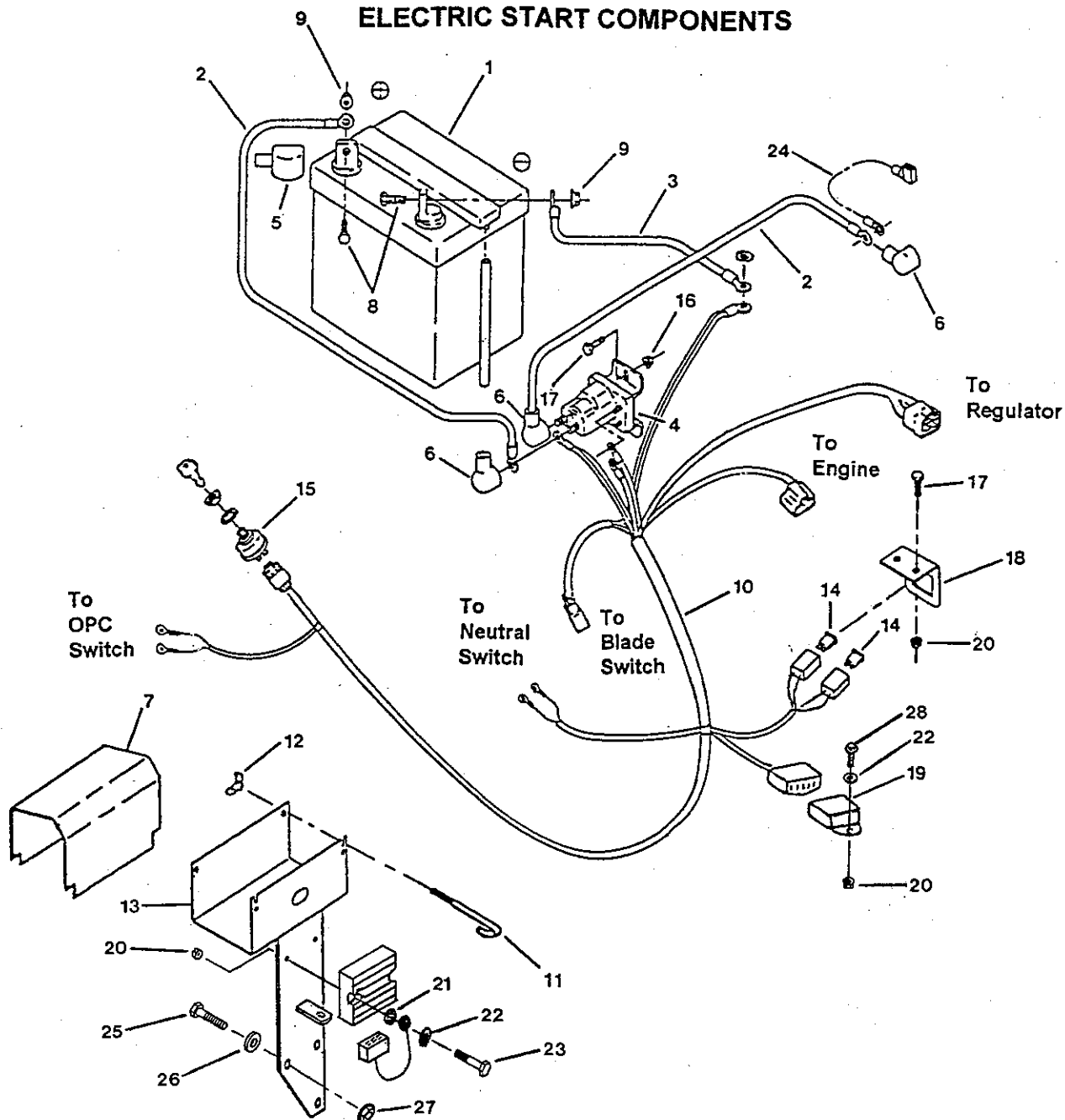


DECALS



Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	303001	Decal, Choke (B&S 8.5 hp)	1	17	403005	Danger Label	2
2	303085	Instruction Label	1	18	403120	Decal, Off/Run (B&S Vanguard)	1
3	303100	Decal, Cutter Blade	1	19	403131	Decal, Commercial 48"	1
4	303102	Neutral Lock Label	2	20	403132	Decal, Commercial 52"	1
5	303161	Serial No. Plate	1	21	513746	Decal, Muffler	1
6	303293	Decal, 2 Minute Cool	1	22	543631	Decal, Throttle (B&S Vanguard and B&S 8.5 HP)	1
7	303481	Decal, Carbon Monoxide	1	23	543774	Decal, Danger	1
8	303508	Decal, Discharge Warning	1	24	403143	Decal, Sulky Warning	1
9	303517	Decal, Belt Drive	1	25	323427	Decal, Belt Routing (32" & 36")	1
10	303518	Decal, Shifter	1	26	403139	Decal, Belt Routing (48" & 52")	1
11	303520	Decal, TriVantage	1	27	513747	Decal, Battery (Kawasaki Electric Start)	1
12	323410	Decal, Commercial 32"	1	28	323409	Decal, Throttle/Choke (Kawasaki Electric Start)	1
13	323312	Decal, Small Metro	1	29	513739	Decal, Ignition (Kawasaki Electric Start)	1
14	323151	Decal, Throttle/Choke (Kawasaki & Kohler)	1				
15	323411	Decal, Commercial 36"	1				
16	323412	Decal, Large Metro	1				

ELECTRIC START COMPONENTS

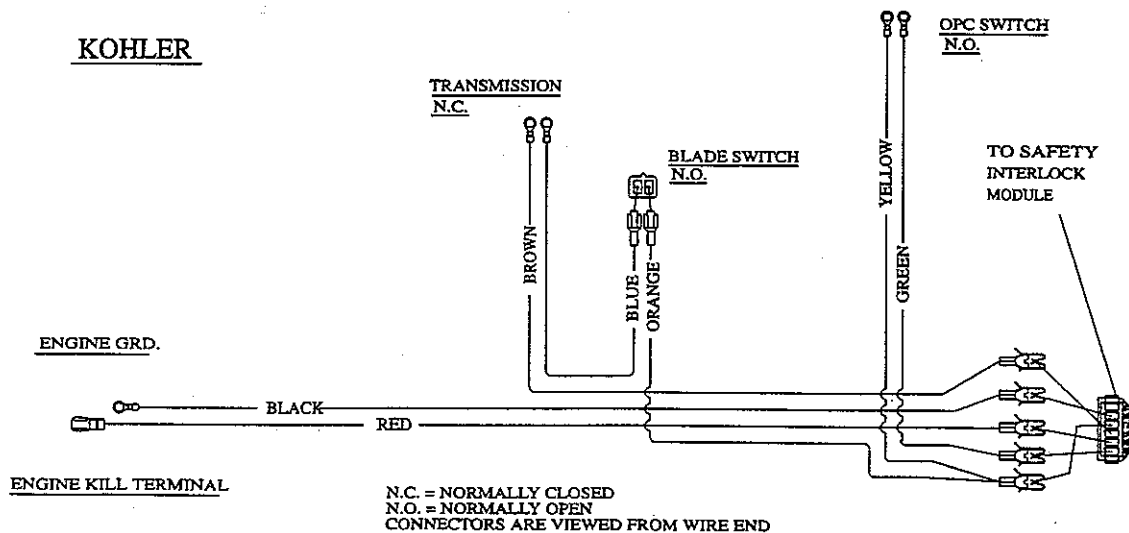
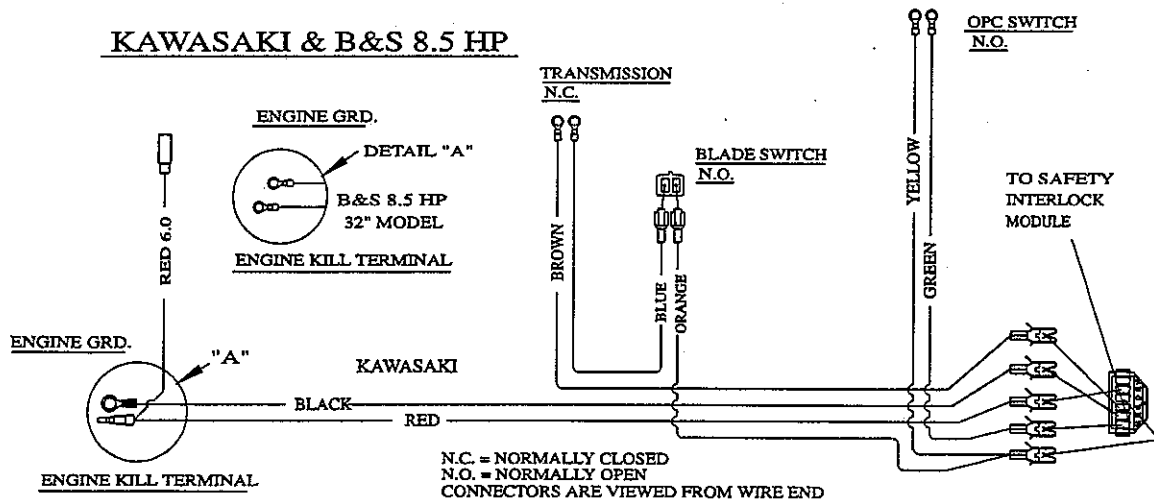
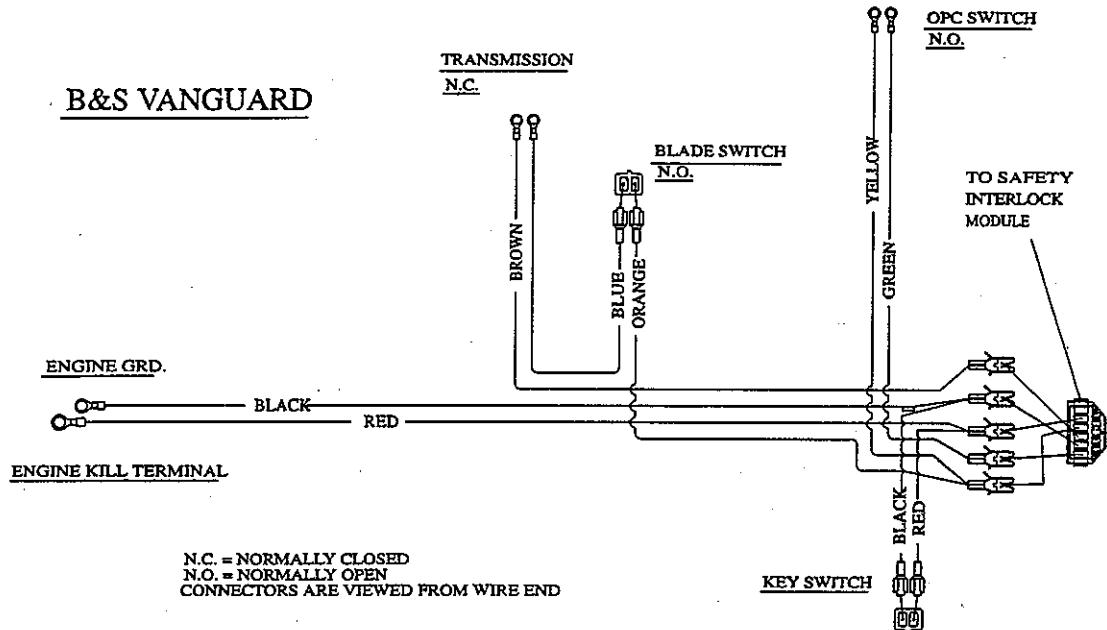


Ref. No.	Part No.	Description	Qty. Req'd.	Ref. No.	Part No.	Description	Qty. Req'd.
1	603479	Battery -12V Manifold	1	15	543070	Switch, Ignition	1
2	513053	Cable,Battery (+).....	2	16	809012	1/4-20 Whizlock Nut.....	2
3	513056	Cable,Battery (-)	1	17	800251	1/4-20x5/8 HHCS Grade 5.....	4
4	513075	Switch, 12V Solenoid.....	1	18	323442	Bracket, Fuse	1
5	543391	Insulator, Battery (+).....	1	19*	323436	Interlock, OPC (Electric Start).....	1
6	543393	Insulator, Solenoid (+).....	3	20	804255	1/4-20 Nyloc Hex Nut.....	5
7	543891	Cover, Battery	1	21	805506	5/16 Lockwasher Internal.....	1
8	800271	5/16-18x3/4 HHCS Grade 5.....	2	22	805256	1/4 Standard Flatwasher.....	3
9	809001	5/16-18 Whizlock Nut.....	2	23	800255	1/4-20X1-1/4 Hex Hd Screw	2
10	322184	Wiring Harness Assy Mtr. E.S.	1	24	543084	Wire, Starter Solenoid	1
11	543882	Bolt - Hold Down.....	2	25	800294	3/8-16x1-1/2 HH Capscrew.....	3
12	543792	Wingnut 1/4-20 Nylock.....	2	26	303327	3/8 Disc Spring Washer	3
13	322175	Battery Stand	1	27	809007	3/8-16 Whizlock Nut.....	3
14	813001	Fuse, Blade 20 Amp	2	28	800252	1/4-20x3/4 HH Capscrew.....	1

* OPC Refers to Operator Presence Control.

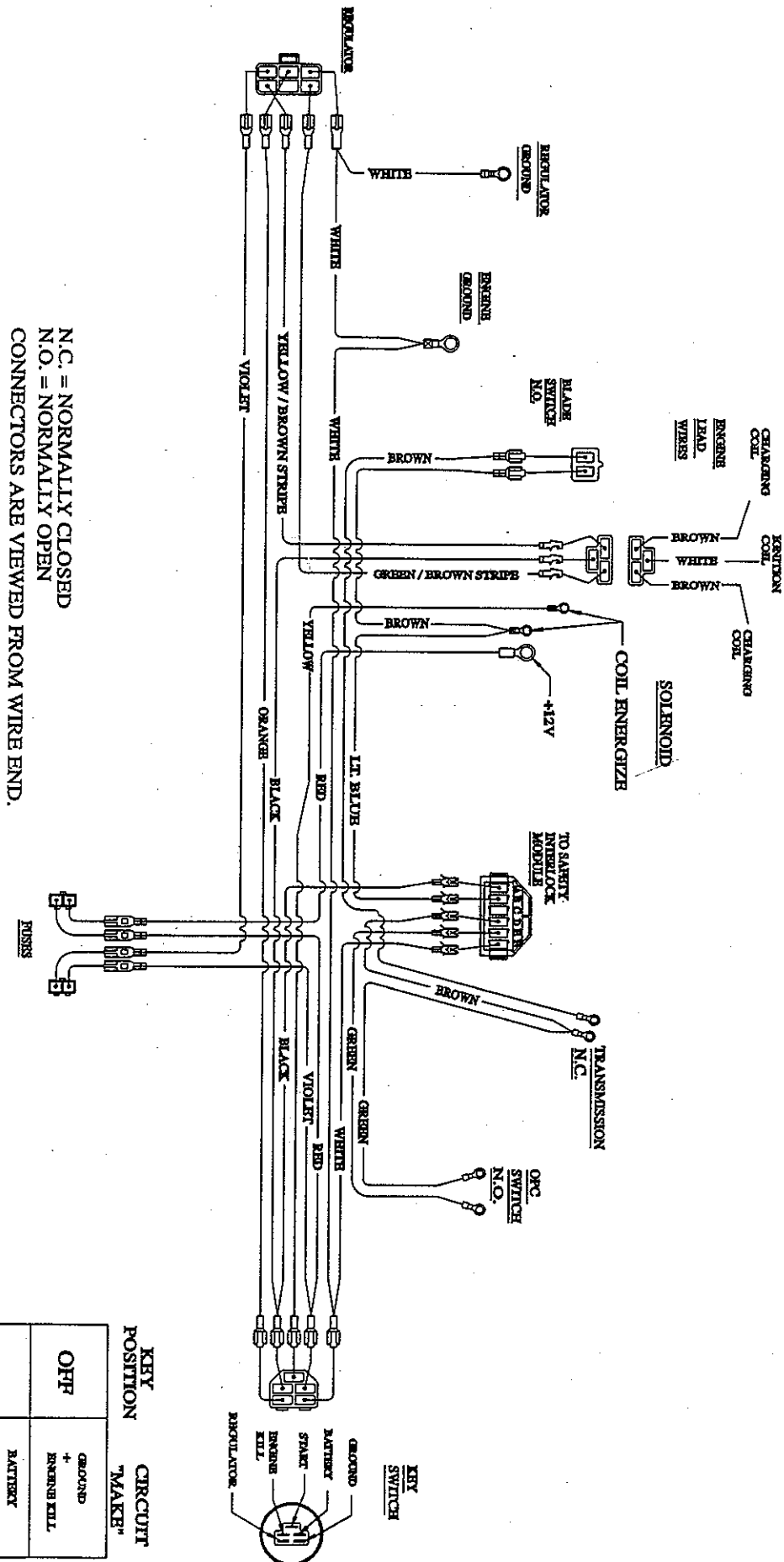
NOTE: Use dielectric grease on all electrical connections.

WIRING DIAGRAMS



WIRING DIAGRAMS

KAWASAKI WITH ELECTRIC START



KEY POSITION	CIRCUIT "MAKE"
OFF	GROUND + ENGINE KILL
ON	BATTERY + REGULATOR
START	BATTERY BATTERY + START + REGULATOR

SERVICE RECORD

[illegible]

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**EXMARK MFG. CO. INC.
INDUSTRIAL PARK BOX 808
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**PART NO. 850395
(402) 223-4010
FAX (402) 223-4154**

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