

WALK BEHIND POWER BROOM

MODEL WB-36 MANUAL

B/M 800-93181; 430-93169/78

24"; 36"; 48" X 20" WALK BEHIND POWER BROOM

M-B COMPANIES, INC. OF WISCONSIN

POWER BROOM DIVISION

1615 WISCONSIN AVENUE

NEW HOLSTEIN WI 53061

PHONE: (800) 558-5809

FAX: (414) 898-4588

SERIAL NUMBER PLATE

Read these instructions before ordering parts.

The B/M No. (prefix of 800 & 430), MODEL, and SERIAL NUMBER of your power broom, shown on the serial plate, MUST BE GIVEN WHEN ORDERING.

Copy the above specified information into the spaces provided below so the information will be available to you when ordering parts.

mb		M-B COMPANY INC.	
		NEW HOLSTEIN, WI-U.S.A.	
B/M NO			
MODEL		S/N	
<small>390-92110</small>			

To insure prompt and accurate service, the following information must also be given:

1. State exact QUANTITY of each part and part number.
2. State definitely, where the parts are to be shipped by freight, courier service, or parcel post.
3. Follow-up phone orders with confirming order.

M-B MODEL WB-36 POWER BROOM

24"; 36"; 48" X 20" WALK BEHIND POWER BROOM

B/M 800-93181; 430-93169/78

YOUR MODEL WB-36 WALK BEHIND POWER BROOM IS DESIGNED WITH DURABILITY AND VERSATILITY IN MIND. THE BROOM FEATURES DUAL LEVER CONTROLS FOR BROOM ENGAGEMENT AND GROUND DRIVE PROPEL. TO ENGAGE THE POWER BROOM (after the engine has been started and set to desired speed by adjusting the engine throttle on the engine) PULL THE FORWARD LEVER TOWARDS THE HANDLEBAR. TO ENGAGE THE GROUND DRIVE PROPEL PULL THE REAR LEVER TOWARD THE HANDLEBAR. INDIVIDUAL LOCKING DEVICES ARE ALSO PROVIDED ON THE DRIVE WHEELS FOR TRACTION ADJUSTMENT.

THE POWER BROOM HEAD CAN ANGLE IN 15 DEGREE INCREMENTS - 30 DEGREES RIGHT TO 30 DEGREES LEFT. POWER BROOM HEAD ANGLING IN ACCOMPLISHED BY PULLING THE LEVER ON THE LEFT SIDE OF THE HANDLEBAR REARWARD AND MOVING THE POWER UNIT RIGHT OR LEFT. NEVER ANGLE THE POWER BROOM HEAD WITH THE BROOM OR GROUND DRIVE ENGAGED. TRANSPORT OF THE POWER BROOM CAN BE MADE BY ENGAGING THE GROUND DRIVE ONLY.

FOR THE BEST SWEEPING PERFORMANCE OF THIS EQUIPMENT ALWAYS REPLACE WORN SEGMENTS WITH M-B'S TOUGH BRUSH.

THANK YOU FOR PURCHASING THIS WB-36 WALK BEHIND POWER BROOM.

IF YOU HAVE ANY OTHER NEEDS FOR POWER BROOM'S, PAVEMENT MARKING EQUIPMENT, OR MARKING MATERIALS CONTACT US AT 800 558-5809.

INITIAL SET-UP

1. REMOVE PACKING CRATE FROM AROUND POWER BROOM AND CUT ALL STRAPS HOLDING POWER BROOM TO PLATFORM.

2. ATTACH THE HANDLEBAR (ITEM 1) TO THE BASE (ITEM 4) WITH THE 3/8 HARDWARE PROVIDED.

3. ATTACH THE 3 CABLES ON THE HANDLEBARS TO THEIR APPROPRIATE LEVERS. SEE PARTS BOOK PAGE "WB POWER UNIT" ITEMS 21 FOR GROUND DRIVE CABLE ATTACHMENT. SEE PARTS BOOK PAGE "WB HEAD GROUP" ITEM 27 FOR HEAD ANGLING AND ITEM 10 FOR POWER BROOM DRIVE ATTACHMENT. ATTACH THE CABLES TO THE BULKHEAD FITTINGS ON THE BACK OF ITEM 4 FOR THE POWER BROOM AND GROUND DRIVE AND ITEM 19 FOR THE HEAD ANGLING. ADJUST THE CABLES AT THE BULKHEAD SO THAT THE POWER BROOM, GROUND DRIVE AND HEAD ANGLING ARE NOT ENGAGED UNTIL THE APPROPRIATE LEVERS ARE ACTIVATED.

4. LUBRICATE THE UNIT ACCORDING TO THE LUBRICATION CHART.

ADJUSTMENT PRIOR TO SWEEPING

BROOM PATTERN ADJUSTMENT - WITH BROOM ROTATING, LOWER THE POWER BROOM TO THE PAVEMENT AND ALLOW IT TO REST FOR A MOMENT ON ITS CASTER WHEELS. LIFT THE UNIT AND MEASURE THE BRUSH PATTERN ON THE PAVEMENT. THE PATTERN SHOULD BE ABOUT 2 TO 3 INCHES WIDE AND EVEN FROM SIDE TO SIDE. ADJUSTMENT FOR THE BRUSH PATTERN IS MADE BY ADJUSTING THE CASTER WHEEL HEIGHT.

NOTE

THE ABOVE SETTINGS WILL HAVE TO BE PERIODICALLY CHECKED AND RE-ADJUSTED TO ALLOW FOR BRUSH WEAR.

EXCESSIVE DOWN PRESSURE ON THE BRUSH TENDS TO BEND THE FIBERS OVER INSTEAD OF ALLOWING THEM TO "FLICK" THE DIRT.

EXCESSIVE DOWN PRESSURE ONLY TENDS TO CAUSE FAST WEAR OF THE FIBER AND POOR SWEEPING EFFICIENCY.

LUBRICATION

LUBRICATE THE FOLLOWING EVERY DAY OR AFTER 8 HRS. USE:

CASTER WHEELS - 2 (1 EA. WHEEL)

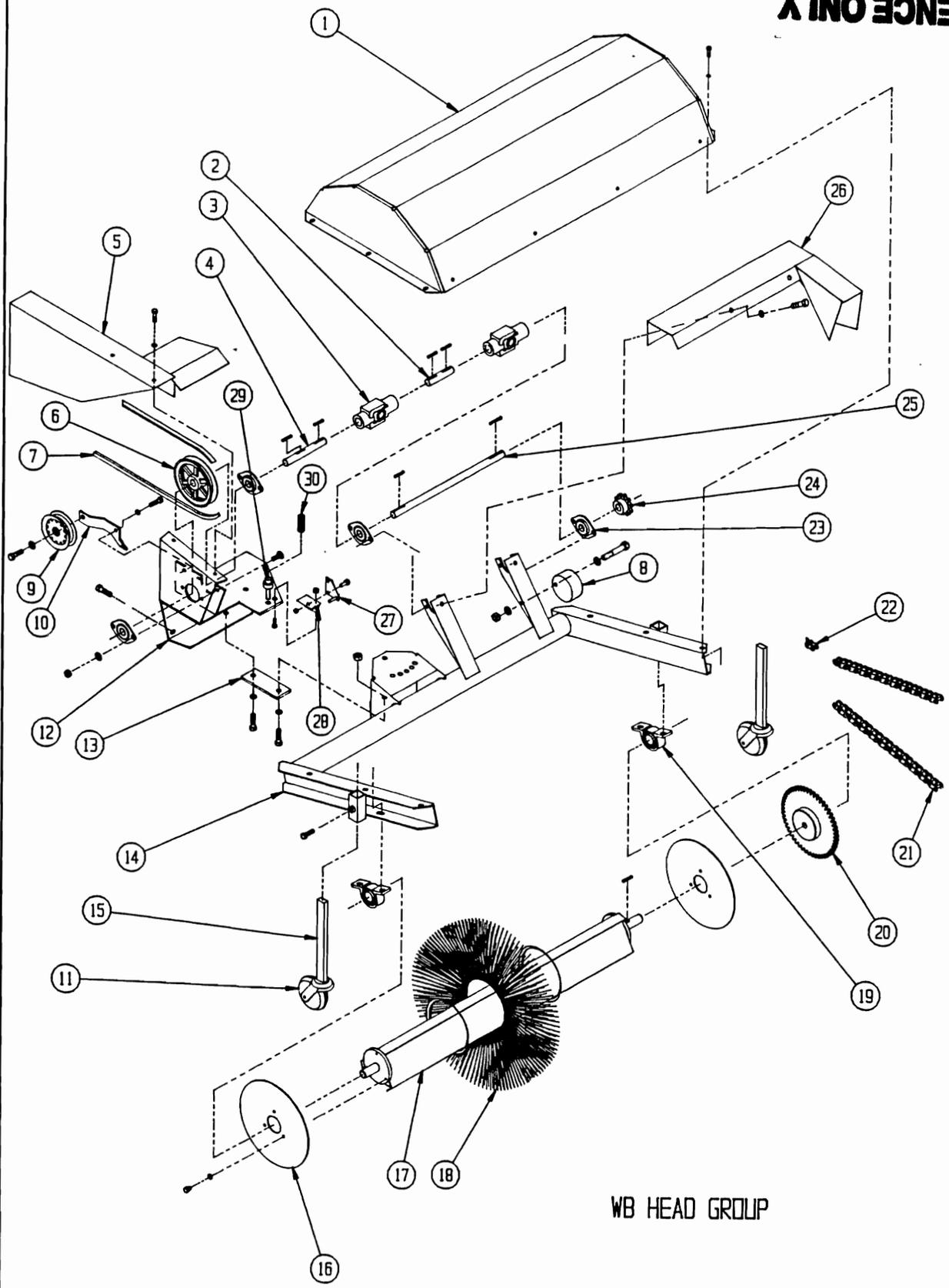
HEAD ANGLING PIN - 1

LUBRICATE THE DRIVE SHAFT UNIVERSAL JOINTS EVERY 30 HOURS USE.

PARTS BOOK

PAGES

REFERENCE ONLY



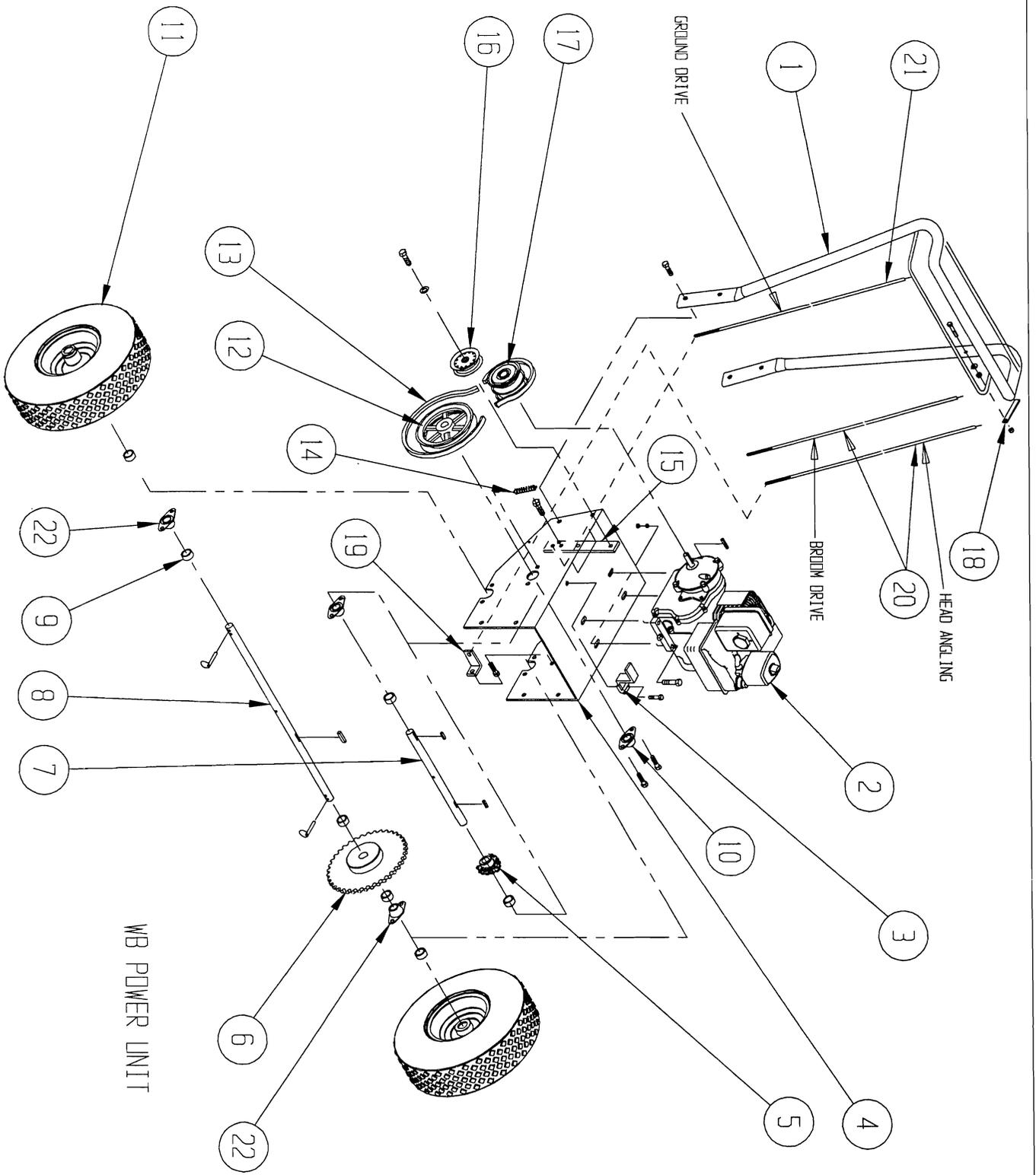
WB HEAD GROUP

PARTS IDENTIFICATION
WB HEAD GROUP

<u>FIGURE #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	410-93587	HOOD (24")	1
	410-93031	HOOD (36")	1
	410-93579	HOOD (48")	1
2	402-94216	SHAFT	1
	386-91174	KEY	1
3	502-92040	U-JOINT ASSEMBLY	2
4	402-94215	JACKSHAFT	1
5	410-93527	GUARD, R.H.	1
	311-20750	5/16 - 18 NC X 3/4 HHCS	3
	351-20000	5/16 SPLIT LOCKWASHER	3
6	505-92024	V-PULLEY	1
7	504-92025	V-BELT	1
8	402-94846	TIGHTENER BLOCK	1
	311-53000	1/2 - 13 NC X 3 HHCS	1
	351-50000	1/2 SPLIT LOCKWASHER	2
	361-50000	1/2 - 13 NC HEX NUT	1
9	505-92038	PULLEY, IDLER	1
	311-31750	3/8 - 16 NC X 1 3/4 HHCS	1
	351-30000	3/8 SPLIT LOCKWASHER	1
	361-30000	3/8 - 16 NC HEX NUT	1
10	402-96491	CRANK, IDLER	1
	311-31000	3/8 - 16 NC X 1 HHCS	1
	371-81297	3/8 - 16 NC ESNA NUT	1
11	100-92098	CASTER WHEEL	2
12	410-94035	SWING FRAME	1
	311-31000	3/8 - 16 NC X 1 HHCS	4
	351-30000	3/8 SPLIT LOCKWASHER	4
	341-30000	3/8 FLATWASHER	4
	361-30000	3/8 - 16 NC HEX NUT	4
	402-94213	LINK, LOWER SWING	1
13	311-51250	1/2 - 13 NC X 1 3/4 HHCS	2
	341-50000	1/2 FLATWASHER	2
	371-81417	1/2 - 13 NC ESNA NUT	2
14	410-94031	BRUSH FRAME (24")	1
	410-94032	BRUSH FRAME (36")	1
	410-94033	BRUSH FRAME (48")	1
15	410-94052	CASTER TUBE - W.U.	2
	311-31250	3/8 - 16 NC X 1 1/4 HHCS	2
16	402-93984	DISC, WAFER RETAINER	2
	311-10750	1/4 - 20 NC X 3/4 HHCS	6
	351-10000	1/4 SPLIT LOCKWASHER	6
17	410-93581	TRI-CORE (24")	1
	410-93472	TRI-CORE (36")	1
	410-93582	TRI-CORE (48")	1

REFERENCE ONLY

18	907-92055	20 X 24 POLY	A/R
	907-92056	20 X 24 POLY/WIRE	A/R
	907-92029	20 X 36 POLY	A/R
	907-95054	20 X 36 POLY/WIRE	A/R
	907-92032	20 X 48 POLY	A/R
	907-92053	20 X 48 POLY/WIRE	A/R
19	600-92014	BEARING, PILLOW BLOCK	2
	370-83938	3/8 - 16 NC X 1 1/2 CARRIAGE BOLT	4
	351-30000	3/8 SPLIT LOCKS	4
	341-30000	3/8 FLATWASHER	4
	361-30000	3/8 - 16 HEX NUT	4
20	506-92009	SPROCKET	1
	386-92029	KEY	1
21	508-92030	CHAIN	1
22	508-74243	CONNECTING LINK	1
23	603-92015	BEARING, FLANGETTE	4
	311-20750	5/16 - 18 NC X 3/4 HHCS	7
	311-21250	5/16 - 18 NC X 1 1/4 HHCS	1
	351-20000	5/16 SPLIT LOCKWASHER	8
	361-20000	5/16 - 18 NC HEX NUT	9
24	506-92023	SPROCKET	1
25	402-94477	SHAFT, BROOM DRIVE (24")	1
	402-94217	SHAFT, BROOM DRIVE (36")	1
	402-94478	SHAFT, BROOM DRIVE (48")	1
	386-92029	KEY	2
26	410-93586	GUARD, L.H. (24")	1
	410-93528	GUARD, L.H. (36")	1
	410-93587	GUARD, L.H. (48")	1
	311-20750	5/16 - 18 X 3/4 HHCS	2
	351-20000	5/16 SPLIT LOCKWASHER	2
27	410-94229	CRANK, LEVER - W.U.	1
28	402-96495	LOCK HOUSING	1
	311-10750	1/4 - 20 NC X 3/4 HHCS	1
	371-81299	1/4 - 20 NC ESNA NUT	1
	311-20750	5/16 - 18 NC X 3/4 HHCS	1
	371-81297	5/16 - 18 NC ESNA NUT	1
29	402-96496	PIN, SWING	1
30	382-75156	SPRING	1



REFERENCE ONLY

PARTS IDENTIFICATION
WB POWER UNIT

REFERENCE ONLY

<u>FIGURE #</u>	<u>PART #</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	490-92060	HANDLE BAR	1
2	500-92034	ENGINE, 5 H.P. B&S	1
	500-92063	ENGINE, 5 H.P. B&S, I/C	
	500-92047	ENGINE, 5 H.P. HONDA	
	386-91174	KEY	1
	311-21750	5/16-18 X 1 3/4 HHCS	4
	341-20000	5/16 FLATWASHER	4
	351-20000	5/16 SPLIT LOCKWASHER	4
	361-20000	5/16-18 NC HEX NUT	4
3	410-93516	BELT STOP	1
	311-31000	3/8-16 NC X 1 HHCS	1
	351-30000	3/8 SPLIT LOCKWAHER	1
	361-30000	3/8-16 NC HEX NUT	1
4	402-95890	DECK, ENGINE	1
5	410-93899--	GEAR DRIVE - W.U.	1
6	402-94180 4	SPROCKET, LARGE	1
7	402-96256	JACKSHAFT, AXLE DRIVE	1
	386-91173	KEY, SHORT	1
	386-91174	KEY, LONG	2
8	402-96482	AXLE SHAFT	1
	380-90475	PIN, CLIP	2
9	603-92033	COLLAR	6
10	603-92017	BEARING, FLANGETTE	2
	311-30750	3/8-16 NC X 3/4 HHCS	8
	351-30000	3/8 SPLIT LOCKWASHER	8
	361-30000	3/8-16 NC HEX NUT	8
11	100-92097	TIRE WHEEL ASSEMBLY	2
12	505-92037	V-PULLEY, 6" O.D.	1
	505-92064	V-PULLEY, SLOWEST GRND. SPEED	1
13	504-92022	V-BELT, A-30	1
	504-92040	V-BELT, SLOWEST GRND. SPEED	1
14	382-92007	EXTENSION SPRING	1
15	402-95804	BRACKET, IDLER	1
	311-31250	3/8-16 NC X 1 1/4 HHCS	1
	371-81297	3/8-16 NC ESNA NUT	1
16	505-92038	PULLEY, IDLER	1
	311-31750	3/8-16 NC X 1 3/4 HHCS	1
	351-30000	3/8 SPLIT LOCKWASHER	1
	361-30000	3/8-16 NC HEX NUT	1
17	505-92030	PULLEY, 2 GROOVE	1
18	402-96492	LEVER CONTROL	1
	311-12000	1/4-20 NC X 2 HHCS	1
	361-10000	1/4-20 NC HEX NUT	1
	341-10000	1/4 FLATWASHER	1
	371-81299	1/4-20 NC ESNA NUT	1
19	402-96494	CABLE HOLDER	1
	311-30750	3/8-16 NC X 3/4 HHCS	1
	371-81297	3/8-16 NC ESNA NUT	1
20	385-92027	CABLE ASSEMBLY	2
21	385-92028	CABLE ASSEMBLY, GROUND DRIVE	1
22	600-92029	BEARING 3/4" FLANGE HD.	2