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HOW TO ORDER PARTS

Each available part has been given a key number, which is used only as a reference in locating the part number, description, and quantity in the list which follows each "exploded view." This key number is not a part number, do not use it when ordering parts.

WHEN ORDERING PARTS, FOLLOW THE INSTRUCTIONS LISTED BELOW, BY DOING SO, YOU WILL BE ASSURED OF RECEIVING THE CORRECT PART IN THE SHORTEST TIME.

1. Give the serial number and model number of your unit.
2. Write the complete part number and the description of the part.
3. Whenever the terms LEFT or RIGHT, FRONT or REAR are used herein it should be understood to mean the position normally assumed while operating the machine, (except where otherwise noted).
4. Give detailed shipping instructions — that is: by truck, bus, rail, parcel post, UPS, etc.
5. Place your order with the Dealer nearest you. Write your Dealers name below so you will have it for a quick reference:

Name _____
 Address LAIRD MANUFACTURING CORP.
PHONE (306) 223-4218 - BOX 119
 City, St. LAIRD, SASK S0K 2H0
 Phone _____

Deines Corporation reserves the right to void any warranty when original factory specified replacement parts are not used.

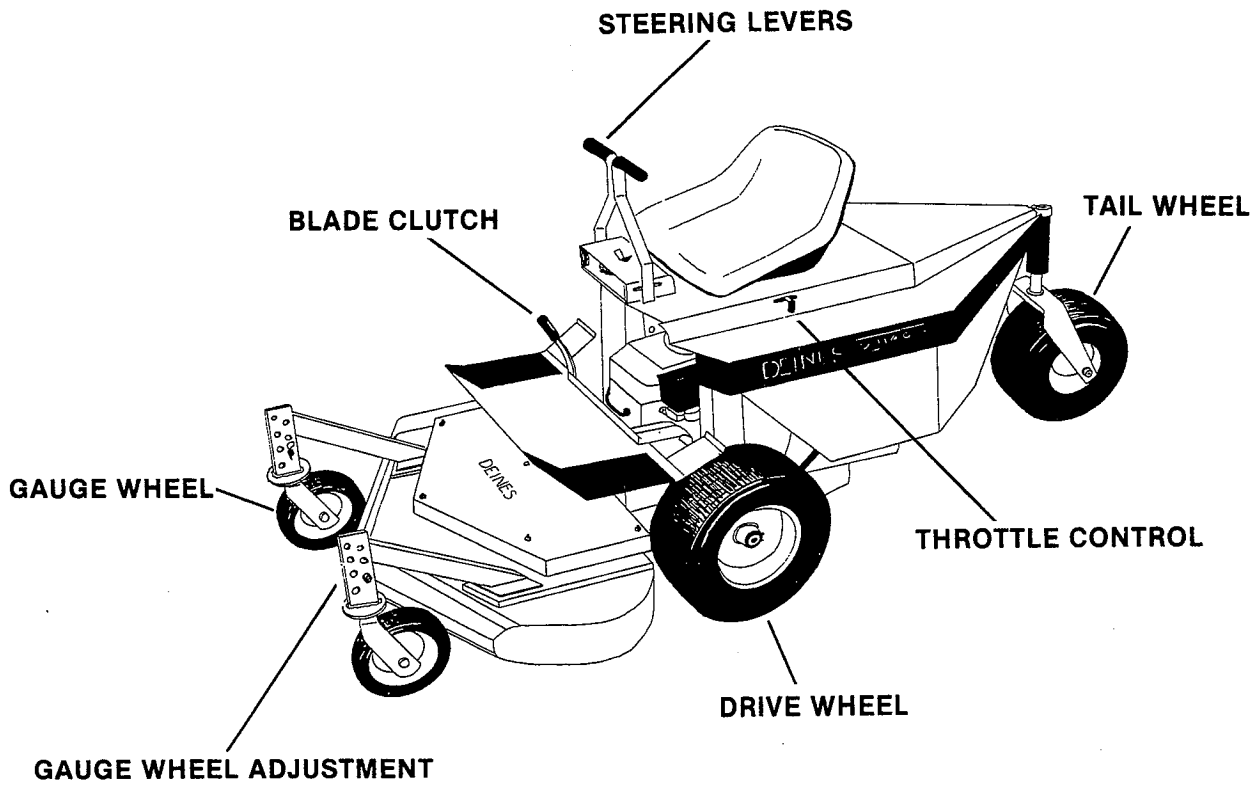
Deines Corporation is continually striving to improve its products.

We must therefore reserve the rights to make improvements, or changes, when it becomes practical to do so, without incurring any obligation to make changes or additions, to the equipment sold previously.

HARDWARE KEY

Throughout this operation and parts manual you will find common hardware such as bolts, nuts, and washers, illustrated or not illustrated. The service part immediately preceding a hardware listing is the part using these particular items for mounting purposes or installation. This hardware is not included with parts or assembly when ordering as a replacement.

CONTROLS



OPERATING PROCEDURES

All D-1140 mowers are fully assembled and tested at the Deines Corporation factory to be free from defects in workmanship and material. The D-1140 mower will give you many trouble free years of operation when you follow the service and maintenance procedures provided in this PARTS, MAINTENANCE, AND OPERATION MANUAL.

NOTE: FOLLOW DIRECTIONS AND SAFETY PRECAUTION DECALS THAT ARE ON THE MOWER.

STEERING

Each steering lever independently controls the forward motion of the corresponding drive wheel. An indefinite range of speed is available from 0 to 5.5 miles per hour. Therefore the steering lever serves as a speed control, braking system and a steering wheel.

ENGAGING DECK

Set engine speed to about half throttle before engaging or disengaging blade control lever. Pull mower blade drive control to the center of the unit to engage mower blades.

After mower is engaged, set throttle from 2600 to 3200 RPM.

If engine pulls down, pull back the drive levers. In extremely heavy cutting, it may be necessary to use the slowest forward speed and take a narrower cut. Your D-1140 is unique in that the speed of the mower is not related to the speed of the blades. Since very little power is needed to drive the mower you receive the greatest efficiency out of the mower deck.

ENGINE MAINTENANCE

Each D-1140 is provided with an engine owners and operators manual. Please refer to that information on engine adjustments and maintenance.

CAUTION: NEVER ENGAGE BLADE ON MOWER EXCEPT WHEN IN THE OPERATING POSITION.

KEEP HANDS AND FEET FROM BENEATH MOWER AND DECK.

MOWER DECK HEIGHT ADJUSTMENT

Your D-1140 is equipped with adjustable front gauge wheels and an adjustable drive wheel axle. The cutting deck height must be set by adjusting the axle bracket (400-824) in either of the top two adjustment holes.

When changing the height of the drive wheel axle the final drive chains tension must be adjusted. This can be done by using the slot adjustment on idler shaft #100-260 and by adding #40 offset links to the final drive chains.

This adjustment changes the rear of the deck

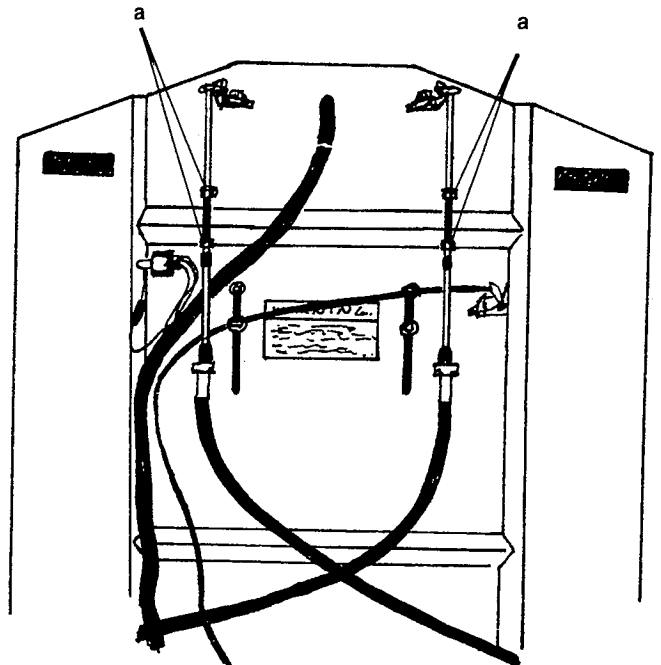
height approximately 1½". Further adjustments can be accomplished by adjusting the front gauge wheel castors #300-634. Adjustment is made by removing the gauge pin and clip, moving the gauge wheel and fork up or down to the desired height, then replacing the gauge pin and clip.

TRANSMISSION BELT ADJUSTMENT AND CHAIN TENSION

The D-1140 is equipped with a warning decal located under the engine compartment lid. This warning decal lists 4 steps that you must follow.

1. Loosen Transmission Drive Belt
2. Loosen Cross Shaft Carrier Bearing Flanges
3. Adjust Chain Tension
4. RETIGHTEN Cross Shaft Carrier Bearing Flanges

Failure to follow this procedure may cause severe damage to the transmission system. In addition before performing step #4 make sure that the crossshaft couplers are well aligned with regard to parallel offset. Then proceed with step #4.



DRIVE CONTROL CABLE ADJUSTMENT

To maintain neutral adjustment, loosen lock nuts (a) on each end of turnbuckles on steering cables. Adjust to neutral and relock nuts.

D-1140 MAINTENANCE

AREA OF MAINTENANCE	Check Hours	Change Hours	Oil, Grease or Clean Hrs	Capacity	NOTES
Honda Engine Crankcase Oil	4	20			Capacity 1.27 qts. Above 32°F-SAE 30; Below 32°F-5W 30. Draining can be performed rapidly and completely when the engine is still warm. Following directions in the Honda Owners Manual furnished with your machine.
Air Cleaner Paper Element	4	20			Knock dust from element every 4 hours. Change every 20 hours.
Air Cleaner Foam Precleaner	20	as needed			Wash the foam element in liquid detergent and water and flush until water is clear. Dry it thoroughly by applying compressed air. After drying, soak in engine oil and squeeze out the excess.
Fuel Filter		100			Remove and Replace.
Spark Plug		100			Remove and Replace. When replacing plug check gap with a wire type feeler gauge. Spark Plug Gap-0.6-0.7mm. Adjust the Gap by bending the side electrode. Make sure the sealing washer is in good condition. See Honda Operators Manual.
Ignition Timing	100				Check and/or adjust. Refer to Honda Operators Manual.
Valve Clearance	100				Check and/or adjust. Refer to Honda Operators Manual.
Combustion Chamber	100				Clean-Lap Valves
Engine Base Area			8		Clean area of all debris. CAUTION — Never use a high pressure washer.
Hydrostat Reservoir	4			6 oz.	<p>HYDROSTATIC TRANSMISSION LUBE AND MAINTENANCE — Remove the oil reserve cap and observe to see that oil is up to the level line on the side of the reservoir oil inlet. When the oil is cool the oil will not be expanded and will appear low at the base of the inlet. When the oil is warm or hot, it will be expanded and will appear at a higher level.</p> <p>Each transmission is self-contained. The oil reservoir is to allow for expansion. Fill oil reservoir with Ford Type F or GM Dexrom fluid to the indicated level.</p> <p>DO NOT ALLOW OIL TO BECOME LOW IN THE RESERVOIR, AS SEVERE DAMAGE TO THE TRANSMISSION COULD RESULT.</p> <p>If hydrostatic transmission does not operate with proper oil level, a malfunction has resulted and transmission must be returned to your dealer, who will return it to the manufacturer of the transmission to be adjusted.</p>
Hydrostatic Trans. Fans	4				Inspect to insure fan blades are intact. CAUTION — DO NOT run mower without fans, or with broken fans.
Hydrostatic Trans. Hoses	20				Inspect for leaks and poor connections.
Hydrostatic Trans. Belts					Inspect belt tension — Correct tension is when the belt can be deflected a maximum of ½ inch by a 10 pound force applied midway between the trans. pulley and engine pulley.
New Machine	1				
Used Machine	8				
Primary Drive Chains	8				This is the chain between the transmission sprocket and the idler sprocket. Proper tension is when the lower strand has ¼" of slack. Make this measurement when depressing the strand midway between the sprockets. Use normal finger pressure.

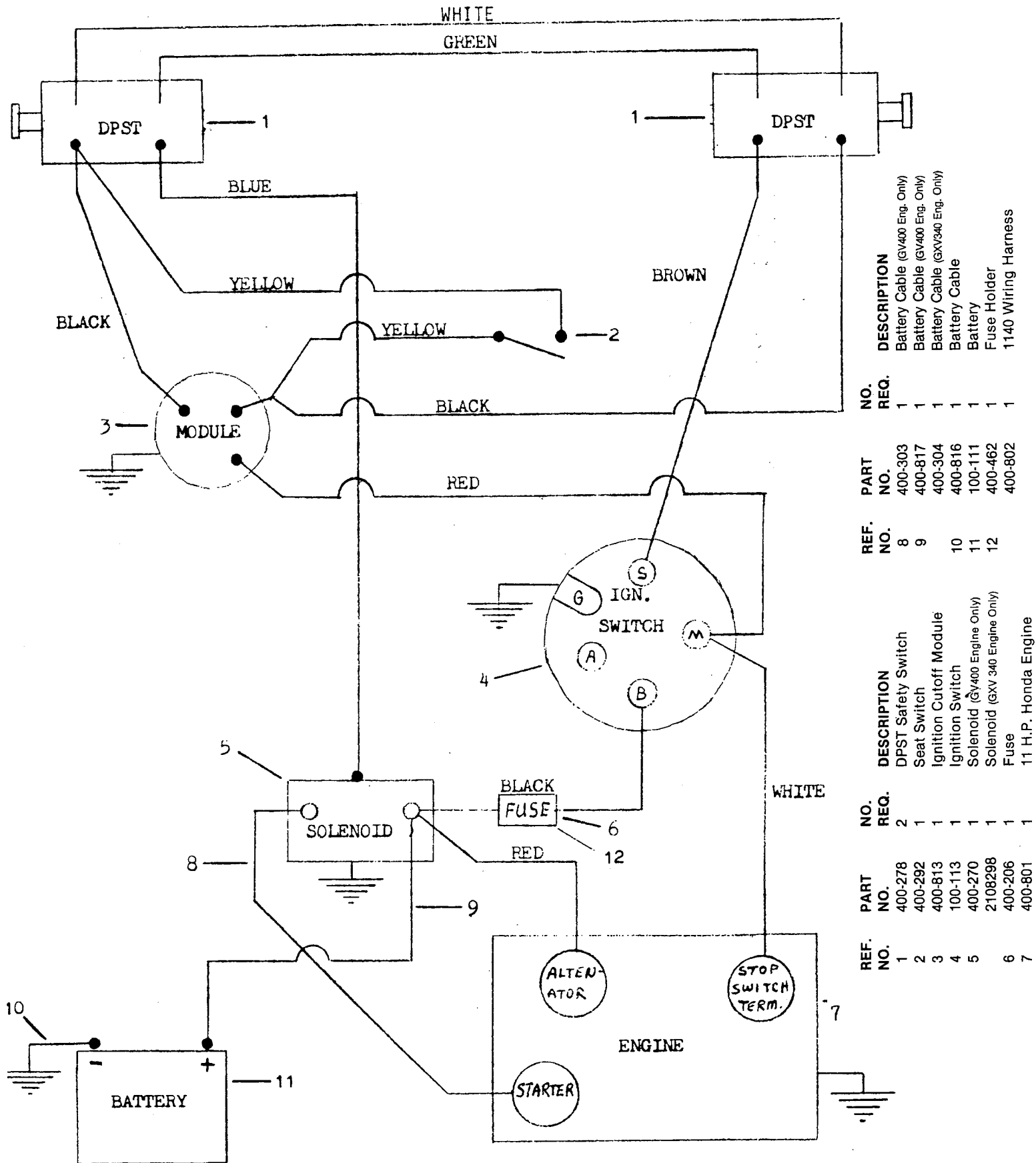
D-1140 MAINTENANCE

AREA OF MAINTENANCE	Check Hours	Change Hours	Oil, Grease or Clean Hrs	Capacity	NOTES
Secondary Drive Chains	8				This is the chain between the drive wheel sprocket and primary idler sprocket. Proper tension is when the lower strand has a ¼" to ½" of slack. Make the measurement as above.
Drive Wheel Tires	8				Maintain an inflated pressure of maximum 22 PSI.
Tail Wheel Tires	8				Maintain an inflated pressure of maximum 14 PSI.
Battery	8				Check water level in each cell. The electrolyte (acid and water) in each cell should be at ring level at all times to prevent battery failure. When the electrolyte is below this level add pure, distilled water. Occasionally remove the battery cables and brighten the terminal contact surfaces with wire wool and reassemble them. Apply a light coat of vaseline or chassis lubricant. Be sure the terminals are clamped tightly and that the battery is fastened securely in the battery box. Replace unserviceable cables. Keep the vent holes in the battery filler cap open. Keeping the battery fully charged, not only adds to its life, but makes it available for instant use when needed.
Fuel Tank				3 gal.	First 25 hours use regular gas & unleaded thereafter. DO NOT use alcohol or an alcohol blend gasoline.
Fuel Shut Off Valve					At start of use be sure the shut off valve under the fuel tank is in the full open position. At the end of mowing be sure to shut off the valve under the fuel tank. CAUTION — When transporting on a trailer or when machine is not in use the fuel valve must be in the shut off position. This will prevent gasoline from gravity feeding into the engine crankcase. In the event of carburetor float malfunction.
Fuel Filter		100			Remove and replace.
Drive Wheels			8		Use 4 strokes of a lubricator with multi-purpose grease on each wheel.
Tail Wheels			8		Use 2 strokes of a lubricator with multi-purpose grease.
Tail Wheel Fork Pivot Bushing			8		Use 2 strokes of a lubricator with multi-purpose grease.
Primary Idler Sprocket			8		Use 2 strokes of a lubricator with multi-purpose grease.
Primary & Final Drive Chains			4-8		In certain conditions oil attracts sand, reducing chain life, therefore lubricate with silicone type lubricant.
Steering Lever Pivot Point			8		Oil with a penetrating oil lubricant.
Deck Drive Belt New Unit Used Unit	1 4				Inspect belt tension. Correct tension is when the belt can be deflected a maximum of ½ inch when a 10 pound force is applied midway between the engine pulley and the deck pulleys with the deck in the engaged position.
					CAUTION — NEVER STORE MOWER WITH FUEL IN TANK INDOORS OR IN ENCLOSED POORLY VENTILATED ENCLOSURES, WHERE FUEL FUMES MAY REACH AN OPEN FLAME, SPARK, OR PILOT LIGHT AS ON A FURNACE. WATER HEATER, CLOTHES

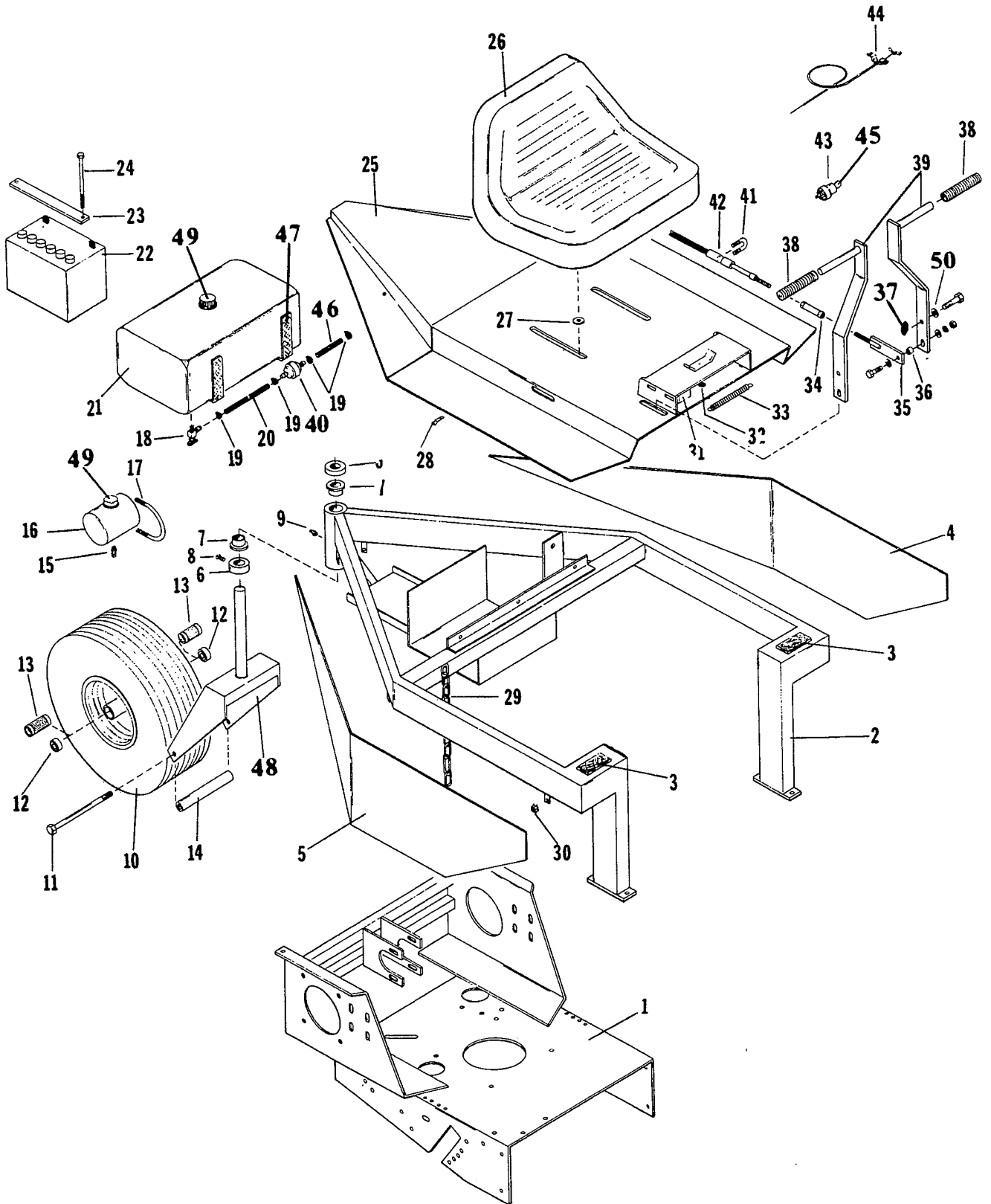
D-1140 MAINTENANCE

AREA OF MAINTENANCE	Check Hours	Change Hours	Oil, Grease or Clean Hrs	Capacity	NOTES
					<p>DRYER, ETC. When storing for 30 days or more, prepare mower by maintaining all points. Run the engine until it reaches normal operating temperature. Turn off the fuel supply and run the engine until it stops. Drain oil from oil base while the engine is still warm. Refill with fresh crankcase oil and attach a tag stating viscosity used. Remove spark plugs. Pour 1 ounce (2 tablespoons) of rust inhibitor or SAE #50 oil into THE CYLINDERS. Crank the engine over a few times. Reinstall spark plugs. Service air cleaner. Clean governor linkage and protect by wrapping with a clean cloth. Plug exhaust outlet to prevent entrance of moisture, dirt, bugs, etc. Wipe entire unit. Coat rustable parts with a light film of grease or oil. Provide a suitable cover for the entire unit. Disconnect battery cables. REFER TO HONDA ENGINE OPERATORS MANUAL FOR COMPLETE ENGINE MAINTENANCE AND ADJUSTMENT.</p>
<p>Trans. Drive Belt New Unit Used Unit</p>	<p>1 4</p>				<p>Inspect belt tension. Correct tension is when the belt can be deflected a maximum of 1/2 inch when a 10 pound force is applied midway between the engine pulley and the gear box pulley on the deck.</p>
<p>Blade Spindle Housing</p>			<p>8</p>		<p>Use 4 strokes of a lubricator with multi-purpose grease.</p>
<p>Castor Wheels</p>			<p>8</p>		<p>Use 2 strokes of a lubricator with multi-purpose grease.</p>
<p>Castor Wheel Fork Adjustment Pin & Clip</p>			<p>4</p>		<p>Check clip in pin at least every four hours to see that it is secure. This will prevent fork from coming loose and being run over by the cutting deck.</p>
<p>Underside of Deck Housing</p>			<p>8</p>		<p>Clean the underside of the deck housing after each use before clippings have a chance to dry out. Use water pressure from a garden hose and a wide bladed putty knife. A light coat of oil after cleaning is also beneficial. CAUTION — Never use a pressure washer as this may damage bearings in housings.</p>
<p>Blades</p>	<p>8</p>				<p>For best results, cutting blades must be kept sharp. The blade can be sharpened with a few strokes of a file, or on a grinding wheel. DO NOT ATTEMPT TO SHARPEN WHILE ON MOWER.</p> <p>When grinding, care should be taken to maintain blade balance and the blade should be checked for proper balance before reinstallation on the mower. Imbalance of blade or bent blades will cause excessive vibration when running and eventual damage to the mower. To insure satisfactory operation, it is recommended that before the start of each mowing season the old blades be discarded and replaced with new blades if worn excessively. CAUTION — BE SURE TO REMOVE ENGINE SPARK PLUG WIRE OR IGNITION KEY BEFORE ATTEMPTING TO REMOVE OR REPLACE BLADES.</p>

D1140 WIRING DIAGRAM



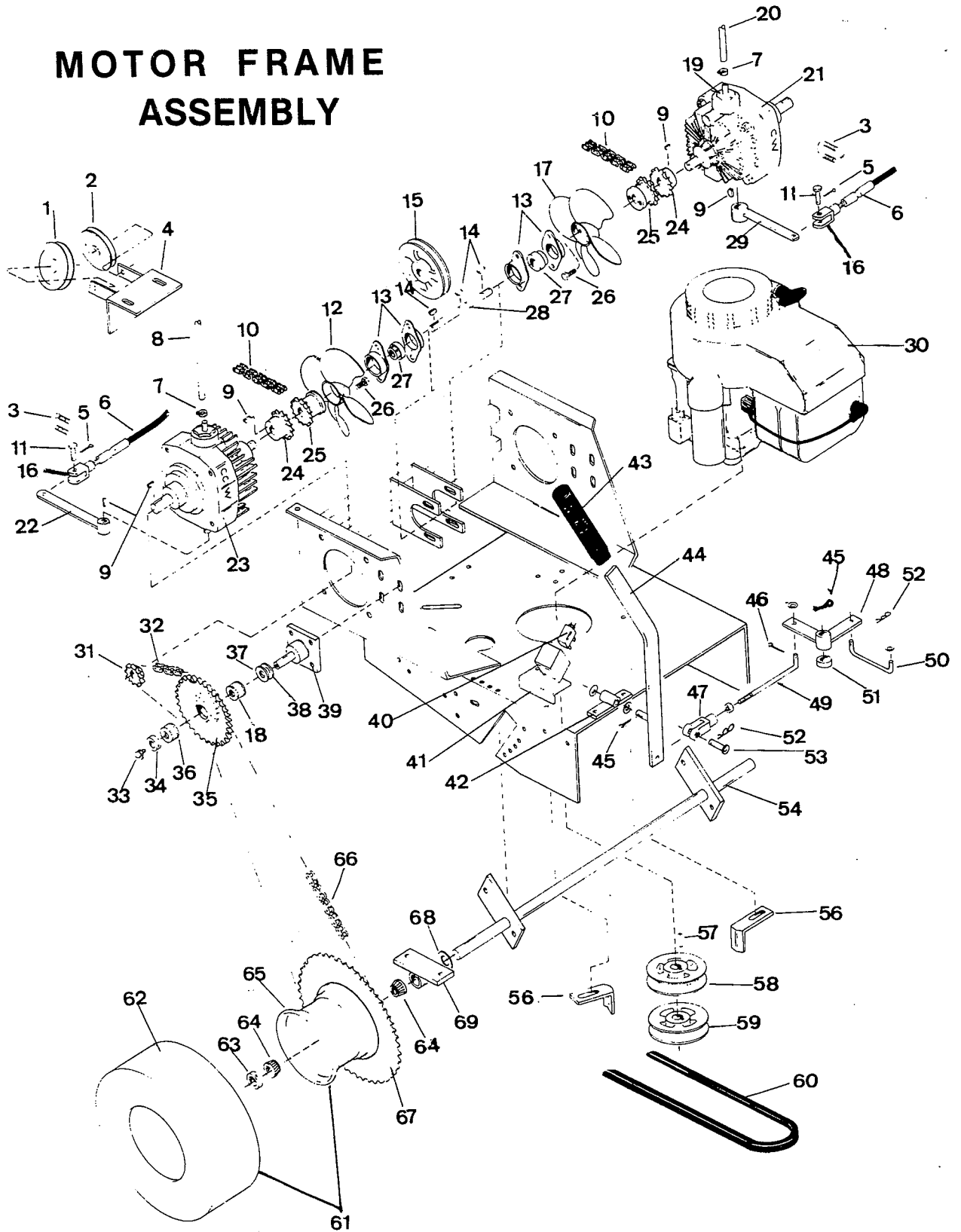
BODY ASSEMBLY



BODY ASSEMBLY PARTS LIST

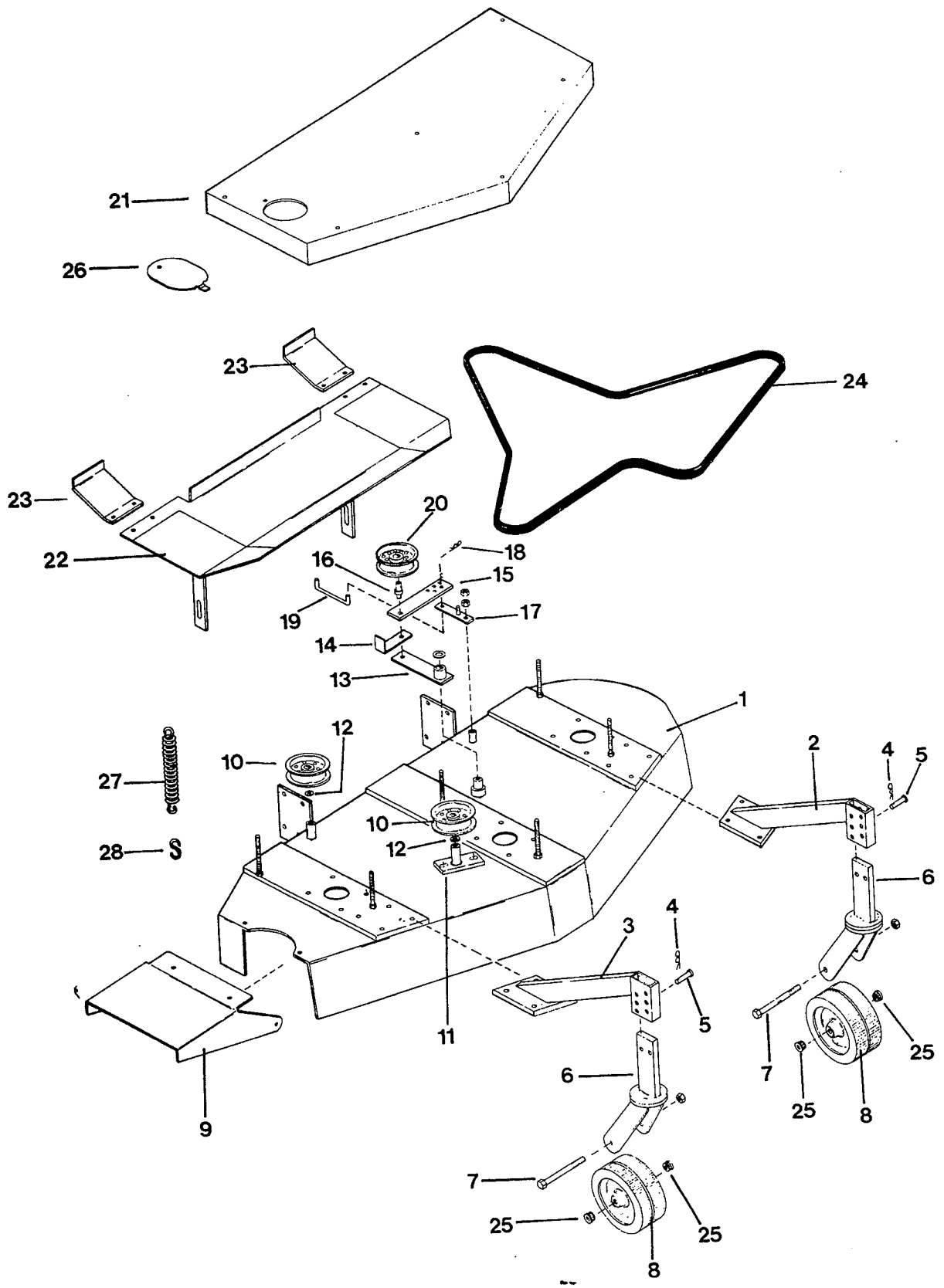
REF. NO.	PART NO.	NO. REQ.	DESCRIPTION
1	400-822	1	Motor Frame
2	400-821	1	Frame
3	400-846	4	Weather Stripping
4	400-832	1	Left Skirt
5	400-831	1	Right Skirt
6	400-137	2	Shaft Collar
7	400-183	2	Bushing
8	400-129	1	Set Screw
9	300-212	1	Drive In Zerk
10	300-222	1	Tailwheel & Tire
	400-214		Tailwheel Rim
	400-213		Tailwheel Tire
11	400-132	1	Axle
12	400-152	2	Sinter Bearing
13	400-361	2	Roller Bearing
14	400-300	1	Spacer
15	400-116	2	Reservoir Connector
16	300-102	1	Transmission Reservoir
17	300-103	1	Reservoir Clamp
18	400-115	1	Fuel Valve
19	400-155	4	Hose Clamp
20	400-838	1	Fuel Line Hose
21	300-109	1	Fuel Tank
22	100-111	1	Battery
23	100-209	1	Battery Strap
24	300-424	2	Battery Bolt
25	400-820	1	Body Lid Assembly
26	100-116	1	Seat
27	400-461	4	Seat Washer (Nylon)
28	100-117	1	Conduit Clamp
29	400-819	1	Safety Chain
30	300-435	6	1/4 Fender Nut
31	400-278	1	Safety Switch
32	100-295	1	Grommet
33	400-153	1	Spring
34	400-352	2	Threaded Barrel
35	400-136	2	Adjusting Arm
36	300-153	2	Bushing
37	300-329	2	Washer
38	100-114	2	Handle Grip
39	300-107	2	Steering Lever
40	400-249	1	Fuel Filter
41	100-139	2	Control Cable Clamp
42	100-140	2	Control Cable
43	100-113	1	Ignition Switch
44	700-145	1	Throttle Cable
45	400-204B		Ignition Key
46	400-837	1	Fuel Line Hose
47	400-847	4	Weather Stripping (5" long)
48	100-219	1	Tailwheel Fork
49	100-225		Gas Cap (screw on)
50	400-121	2	Washer
Not Shown	100-215	2	Lever Lock Knob Rubber Caps

MOTOR FRAME ASSEMBLY



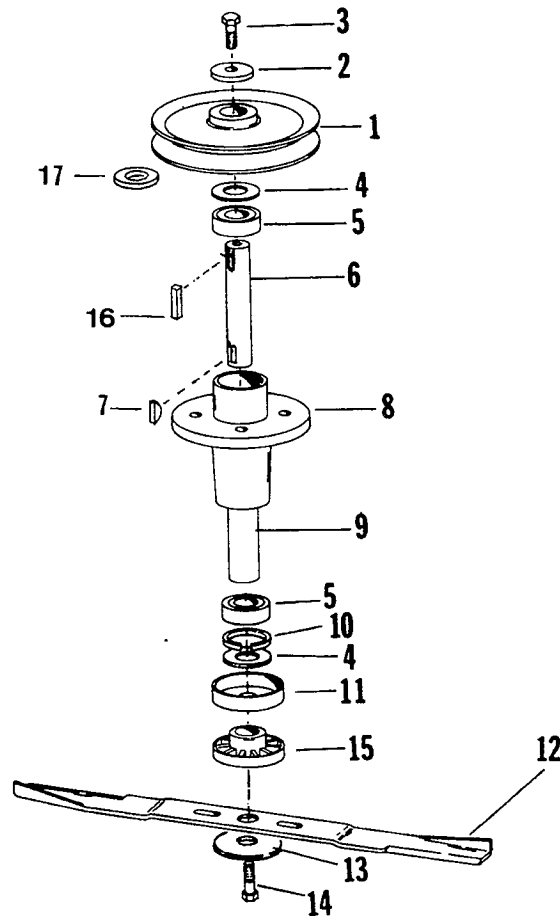
MOTOR FRAME ASSEMBLY PARTS LIST

REF. NO.	PART NO.	NO. REQ.	DESCRIPTION	REF. NO.	PART NO.	NO. REQ.	DESCRIPTION
1	400-812	1	Vee Idler	36	300-315	2	Bearing
2	400-265	1	Idler Pulley	37	300-535	2	Thin Washer
3	100-139	2	Control Clamp	38	300-536	2	Thick Washer
4	400-830	1	Belt Tightner	39	100-260	2	Idler Shaft
5	100-136	2	Cotter Pin	40	400-278	1	Safety Switch
6	100-140	2	Control Cable	41	400-828	1	Switch Box (not used w/ GXV 340 engine)
7	400-155	4	Hose Clamp	42	400-827	1	Lever Bushing
8	400-818	1	Transmission Hose	43	100-114	1	Handle Grip
9	100-196	6	Woodruff Key	44	400-826	1	Engage Lever
10	400-875	2	Chain	45	300-279	1	Cotter Key
11	100-135	2	Clevis Pin	46	400-877	2	Cotter Key
12	400-808	1	Fan	47	700-159	1	Clevis
13	400-811	4	Flange	48	700-101	1	Bellcrank
14	700-102	3	Woodruff Key	49	400-835	1	Linkage
15	700-129	1	Pulley	50	400-836	1	Linkage
16	100-141	2	Clevis	51	400-378	1	Shaft Collar
17	400-809	1	Fan	52	700-113	2	Clip
18	300-316	2	Bearing	53	700-158	1	Pin
19	400-219	2	Adapter	54	400-824	1	Axle
20	100-268	1	Transmission Hose	56	700-303	3	Belt Guide
21	300-148	1	L.H. Transmission	57	300-285	1	Key
22	300-124	1	R.H. Transmission Arm	58	400-878	1	Pulley
23	300-121	1	R.H. Transmission	59	400-803	1	Pulley
24	300-127	2	Sprocket	60	400-898	1	Belt (GVX340)
25	400-873	2	Sprocket		300-254		Belt (GV400)
26	300-407	2	Soc. Head Cap Screw	61	400-224	2	Drive Wheel & Tire
27	700-131	2	Bearing	62	300-163		Drive Tire Replacement
28	400-833	1	Shaft	63	300-144	2	Shaft Collar
29	300-145	1	L.H. Transmission Arm	64	400-294		Bearing
30	400-801	1	Honda Engine	65	400-221		Drive Wheel
31	300-127	2	Sprocket				Rim Replacement
32	100-145	2	Chain	66	400-839	2	Chain
33	300-212C	2	Grease Zerk	67	100-144	2	Sprocket
34	300-126	2	Collar	68	400-834	2	Washer
35	100-142	2	Idler Sprocket	69	400-823	2	Axle Pivot



40" DECK ASSEMBLY

REF. NO.	PART NO.	NO. REQ.	DESCRIPTION
1	400-880	1	40" Bare Deck
2	300-618	1	L/H Gauge Wheel Arm
3	300-617	1	R/H Gauge Wheel Arm
4	300-203	2	Gauge Pin Clip
5	300-202	2	Gauge Pin
6	300-634	2	Gauge Wheel Fork
7	300-199	2	Gauge Wheel Axle
8	300-246	2	Gauge Wheel
9	400-881	1	Grasschute
10	300-233	2	Idler Pulley
11	700-503	1	Idler Arm
12	300-524	6	Washer
13	700-402	1	Idler Arm
14	700-406	1	Belt Retainer
15	700-407	1	Belt Tightner Arm
16	700-408	1	Idler Pulley Spacer
17	400-884	1	Assist Arm
18	700-113	1	#2 Hair Pin Clip
19	400-836	1	Linkage
20	700-132	1	Idler Pulley
21	400-841	1	Deck Spindle Shield
22	400-825	1	Foot Rest
23	400-829	2	Heel Guard
24	400-810	1	Deck Drive Belt
25	100-270	4	Bearing
26	400-883	1	Deck Shield Removable Panel
27	700-108	1	Spring
28	700-112	1	S Hook



1140 SPINDLE ASSEMBLY

REF. NO.	PART NO.	NO. REQ.	DESCRIPTION
1	400-804	3	Spindle Pulley
2	300-173	3	Washer
3	300-466	3	Bolt
4	300-195	6	Machine Washer
5	300-642	6	Bearing
6	700-502	3	Spindle Shaft
7	100-172	3	Woodruff Key
8	300-641	3	Spindle Housing
9	300-643	3	Spindle Spacer
10	400-257	3	Snap Ring
11	300-607	3	Trashshield
12	400-814	3	Blade
	400-906	3	Optional Blade
13	100-188	3	Washer
14	300-469	3	Bolt
	300-537	3	Bolt (used on Optional Blade)
15	300-608	3	Shear Clutch
	300-644	3	Shear Clutch (used on Optional Blade)
16	300-289	3	Key
17	700-504	3	Spacer
Not Shown	300-212A	3	Zerk