

DR[®] CONVERTA MOWER[™]

Safety & Operating Instructions



Please read this manual and the engine manufacturer's owner's manual to become familiar with the DR[®] CONVERTA MOWER[™] before operating it.

THANK YOU!

And congratulations on your purchase of a new DR[®] CONVERTA MOWER[™]!

We have done our utmost to ensure that your DR[®] will be one of the most trouble-free and satisfying pieces of equipment you have ever owned.

Please let us know of any questions or problems you may have. We want to answer or correct them as quickly as possible. (When you do call or write, please have your serial number and/or order number handy—it will speed things up!) We also hope to hear from you on how much you like your new helper.

And please tell your friends about your new DR[®] CONVERTA MOWER[™]. Having DR[®] Owners spread the word about our products and our way of doing business is the best advertising we can have, and it's the best way to help us provide even better service in the years to come.

Thanks once again!



for all of us at...
COUNTRY HOME PRODUCTS[®]

Safety Instructions

We want you to enjoy years of productive use from your DR[®] CONVERTA MOWER[™]. We don't want you to get injured, so please take a few moments to read the following guidelines for safely operating your new machine.

Dress Appropriately

- Always wear protective goggles while mowing, to protect your eyes from possible thrown objects.
- Wear shoes with non-slip treads when using your DR[®] CONVERTA MOWER[™]. If you have safety shoes, we recommend wearing them. Do not use the machine while barefoot or wearing open sandals.
- Wear long pants while mowing, and avoid wearing loose clothing or jewelry, which might get caught on the mower's moving parts.

Preparation

- This machine is capable of amputating hands and feet, and can throw objects that can cause injury and damage. Read these *Safety & Operating Instructions* and the engine manufacturer's owner's manual before you use the DR[®] CONVERTA MOWER[™]. Become familiar with the controls, engine and service recommendations to ensure the best and safest performance from your machine.
- Inspect the area you'll be working in for hidden objects such as large rocks, logs, rope, wire, garden tools, etc., and remove these obstacles before mowing. Do not attempt to mow over obstacles as this could damage the machine and cause injury.

Operating the Machine Safely

- The purpose of this machine is to perform work. This equipment is not intended for sport or recreation.
- Keep hands, feet, hair, and loose clothing away from the discharge area, underside of mower deck or any moving parts while the engine is running.
- Replace damaged or missing safety labels immediately.
- Use only manufacturer-recommended replacement parts and accessories.
- Do not change engine governor setting or over speed engine.
- Never bend, cut, fit, weld, or alter the DR[®] CONVERTA MOWER[™] in any way. Modifications to your machine could cause personal injuries and property damage, and may void your warranty.
- ALWAYS shut off the engine and remove the spark plug wire prior to making any adjustments to the machine. If you have to stop to remove grass or debris from the underside of the deck, ALWAYS disconnect the spark plug wire first.
- The exhaust area on the engine becomes very hot. Allow the engine to cool before doing maintenance or making adjustments.
- Turn off the engine whenever you leave the operating positions.

- Never allow children or animals near the work area. Keep at least 50 feet clear of bystanders and always turn the machine off when someone approaches to avoid causing injury from thrown objects.
- Do not carry passengers.
- Machine should be stopped and inspected for damage after striking a foreign object. Damage should be repaired before restarting and operating the machine.
- If equipment begins to vibrate abnormally, disengage the power to mower and stop the engine at once. Repair any damage before starting or continuing operation.
- Periodically inspect all shafts, levers, and friction devices and other moving parts subject to wear. Make required adjustments or replace these parts if damaged, distorted or broken, or as soon as wear affects the normal operation of the vehicle or attachment. DO NOT operate equipment that is not functioning properly.
- Never allow children or people unfamiliar with these instructions to use the DR[®] CONVERTA MOWER[™]. Only responsible persons with mature judgement and proper physical capabilities should be allowed to operate this machine, and only after instruction in the proper use of the equipment.
- Use the machine only in daylight or good artificial light.
- When using attachments, never direct discharge material toward bystanders nor allow anyone near machine while in operation.
- Do not operate this machine when under the influence of alcohol or medication. The use of drugs or alcohol while operating any equipment will place your safety in peril.
- Watch for traffic when mowing near roadways.
- Use of stereo headphones, ear protection or other sound altering/dampening devices may limit your ability to hear warning sounds (horns, shouts, etc.).
- Take all possible precautions when leaving the machine unattended, such as disengaging the power take-off, setting the parking brake, stopping the engine and removing the key.

Operating on Slopes & Uneven Terrain

- Know the terrain where you are operating your equipment. Find hidden obstacles by walking through and inspecting the area prior to operating your equipment in the area. Plainly mark obstacles, such as rocks, ruts, or holes and stay clear of these obstacles when mowing.
- Avoid operating in the riding position on hillsides, slopes or rough terrain. DO NOT operate while riding on hillsides or slopes exceeding 15 degrees. If safety is in doubt, convert to the hydro walk-behind position.
- Reduce speed and exercise extreme caution on slopes above 10 degrees to prevent loss of control.
- Operate your machine smoothly and at a ground speed slow enough to insure complete control at all times. Avoid erratic operation and excessive speed.
- Sharp turns on any terrain may cause loss of control. Reduce speed and use caution when making sharp turns.
- Do not stop or start suddenly when going uphill or downhill. Avoid uphill starts. Do not stop or change gears or speed on slopes.

- While operating, stay alert for holes, rocks, or roots, which may cause damage to the equipment or injury to the operator. Keep at least three feet away from drop-offs, ditches, creeks, culverts, washouts and public highways.
- Exercise care when mowing around a fixed object to prevent the equipment from striking the object. When mowing, never deliberately run over any foreign object.
- Areas wet with dew, rain or snow will be more slippery than when dry. Areas covered with loose gravel are more slippery than firm dry ground. Greater stopping distances are required in these slippery areas.
- Learn to expect changes in operating conditions. Adding or removing attachments or weight to your equipment will make your machine perform differently. Rain, snow, loose gravel, wet grass, etc., will require changes in your operating technique, which may include a decision not to operate on that terrain.

Safety with Gasoline-Powered Machines

- Do not run the engine in an enclosed area or without proper ventilation.
- Store all fuel in containers specifically designed for this purpose. Plastic containers are more likely to prevent sediment and condensation problems.
- Refuel outdoors only, and do not smoke while refueling or operating the machine.
- Use gasoline only as a fuel, never as a cleaner.
- If gas is spilled, do not attempt to start the engine. Move the machine away from the area of the spill and avoid creating any source of ignition until the gas vapors have dissipated. Wipe up any spilled fuel to prevent a fire hazard, and properly dispose of the waste.
- Allow the engine to cool completely before storing in any enclosure. Never store the machine near an open flame or spark with gas in the tank.
- To reduce fire hazard, keep engine and attachments free of grass, leaves or excessive grease.
- Do not change the engine governor settings or modify the engine speed.
- **Some state and local regulations require the use of a spark arrester on gasoline powered engines. Contact your local fire marshal or forest service for specific information pertaining to your area. If you are required to use a spark arrester, please contact one of our Customer Service Representatives for assistance in obtaining and installing one.**

The Fine Print...

Country Home Products, Inc. reserves the right to discontinue, change and improve its products at any time without notice or obligation to the purchaser.

The descriptions and specifications contained in this manual were in effect at printing.

Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.

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Controls & Features

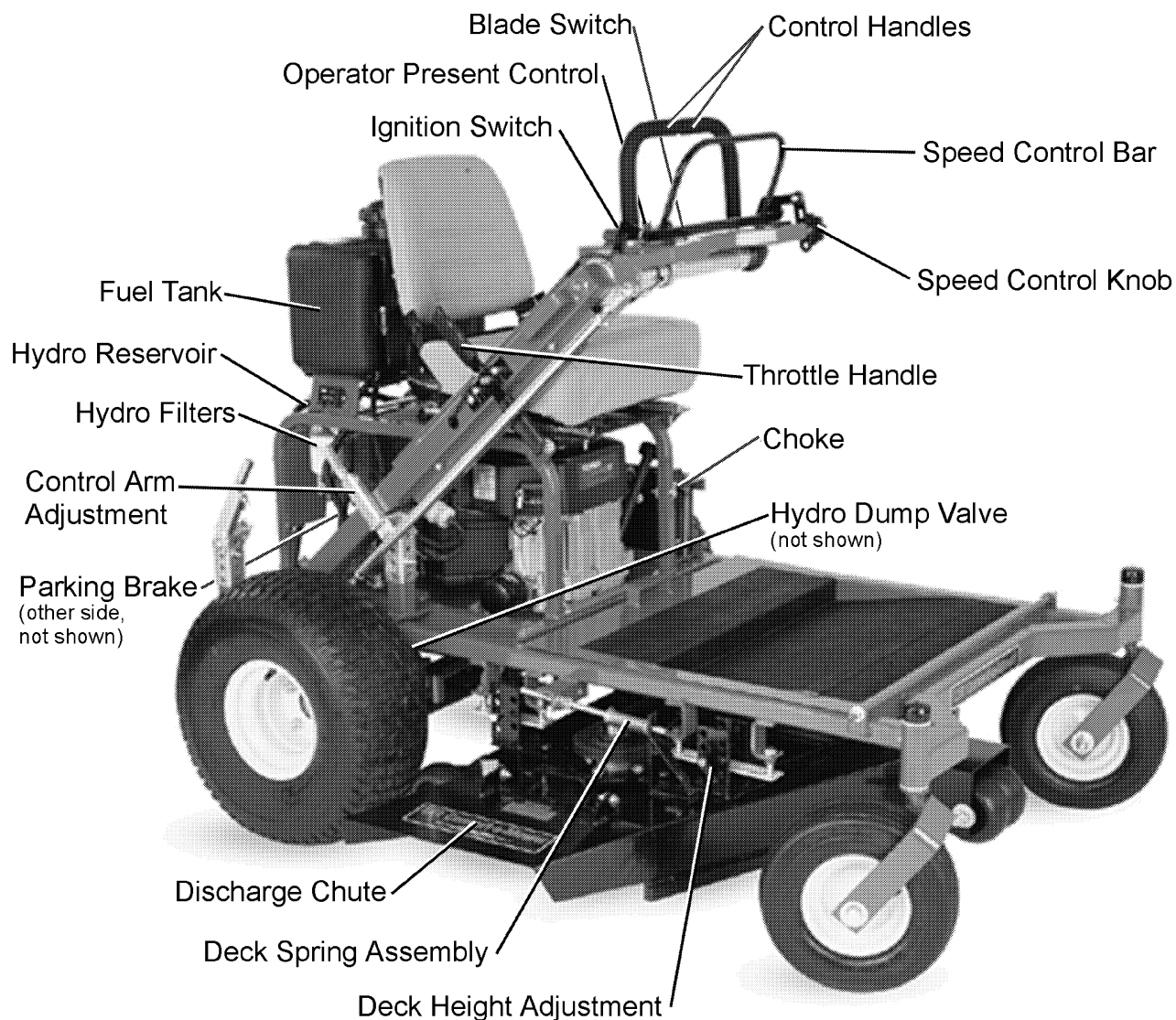


Figure 1

Below is a brief description of the Controls and Features on the DR[®] CONVERTA MOWER[™]. More detailed information on using the controls and operating the machine follows. Please read this entire manual before attempting to operate the machine.

Blade Switch: Located on the control head. Lift up and forward to engage the cutting blades. ALWAYS turn the blades off when dismounting the mower.

Choke Control: The choke is located on the left front side of the seat pedestal.

Control Arm Adjustment: Located on the right rear side of the unit.

Control Handles: Located on the control head. The control handles regulate speed and direction when operating the machine.

Deck Height Adjustment: Located between the deck and the chassis, there are two on each side of the unit.

Deck Spring Assembly: Located on each side of the chassis, above the deck.

Discharge Chute: Located on the right side of the deck. ALWAYS keep the deflector in the down position when mowing. Do not alter or remove the deflector.

Fuel Tank: Located at the top rear of the unit. Use unleaded fuel only. The fuel shut off valve is located on the bottom of the gas tank.

Hydro Reservoir: Located in the rear of the unit. Hydraulic oil is used to help cool the transmission. Use only factory recommended hydraulic oil.

Ignition Switch: Located on the control head. The ignition switch has three positions: (1) OFF (2) RUN (3) START. To start the engine, turn the key all the way to START. Release the key when the engine starts and it will automatically return to the RUN position. Turn the switch to the OFF position to stop the engine.

Parking Brake: Located on the left rear of the unit. Push the parking brake handle down to engage. Be sure to release the parking brake before operating the machine.

Operator Present Control: Located on the control head. This switch will prevent the cutting blades from engaging if you leave the unit, or fall off. It is designed for your safety. You must wear the operator present lanyard at all times when operating the mower. Connect the lanyard to your belt loop, or your wrist. The operator present control does not turn the engine off, only the blades.

Speed Control Bar: Located on the control head. Used to control speed and stabilize hand controls when operating the machine.

Speed Control Knob: Located on the left side of the control head. Use this to adjust the speed control bar, which regulates the speed of the unit.

Throttle Handle: Located on the control arm. Move the throttle handle all the way forward to the FAST position to operate the machine. Move the throttle back to the SLOW position before shutting the engine off.

Starting & Operating

Starting the Engine

1. Check the engine oil.
2. Attach the operator's presence lanyard to a belt loop or around your wrist.
3. Make sure the blade switch is in the OFF position.
4. Move the throttle handle forward to the START position.
5. Pull the choke control all the way out.
6. Turn the key to start to engage the starter. When the engine starts, release the key. The key switch is spring loaded and will return to the run position automatically.

⚠ WARNING! If the engine fails to start after 10 seconds of continuous cranking, turn the key to the off position and allow the starter motor to cool. Check the cause of hard starting; Consult your Troubleshooting Checklist.

7. Once the engine has started, slowly return the choke to its normal position. If the engine stalls at low speed, or hesitates during acceleration, the choke should be applied as necessary until engine reaches its normal operating temperature.

Stopping the Engine

To stop the engine, pull the throttle control lever back to the STOP position and turn the key to the OFF position. If the engine has been working hard, or is hot, allow it to idle a short time before turning the key off. This practice will help cool the engine before stopping.

⚠ CAUTION! Always remove the key and set the parking brake when leaving the machine unattended, even if for just a few minutes. Prevent accidents; don't give children or unauthorized persons an opportunity to operate the machine.

Operating the Machine

Throttle Control

The throttle control regulates the speed of engine as measured in R.P.M. (Revolutions Per Minute). This control **SHOULD NOT** be used to regulate ground speed. The engine has been designed with a special governor that limits engine R.P.M. Unlike an automobile, this governor allows the engine to operate most efficiently at a set speed and protects it from damage caused by excessive R.P.M. Always operate the machine with the throttle control set at 3/4 to full speed.

Choke Control

The choke control activates a "butterfly" valve in the carburetor. When the choke is partially or completely closed, less air is admitted into the engine. This results in a higher fuel-to-air mixture that is easier to ignite when the engine is cold. A warm engine may not need choking.

Speed Control

The speed control knob is located on the left side of the control head. To set the desired speed, loosen the speed control knob and move the speed control bar—located in front of the control

handles—forward or back. The closer the bar is to the control handles the slower the speed. When the desired speed is set, tighten the speed control knob to secure the speed bar.

⚠ WARNING! The speed control should be set at a slow rate when operating the machine for the first time. Continue at this speed until you are familiar with how the machine operates. Never operate the machine unless you have read the operator's manual, and understand it completely.

Control Handles

After setting the speed control bar to the desired speed, slowly push the control handles forward until they reach the speed control bar. Use the palm of your hands to hold the controls forward while wrapping your fingers around the speed control bar to assure stability. It is important to hold the control handles together with the speed control bar. This will keep the controls stable and avoid jerking movements if the machine hits a bump or is moving over rough ground. To turn the machine left, slowly release the left control handle (let it move back toward you) until the machine has reached its desired position. Then return the left control handle to the forward position. Repeat the same operation with the right control handle to turn right. To reverse, slowly pull back on the control handles.

Stopping the Machine

To stop the machine, slowly release both control handles and they will automatically return to neutral. If you need to stop quickly, remove your hands from the control handles and the machine will stop suddenly. If the machine creeps while in neutral, see To Adjust the Neutral Setting on page 10.

Mowing

⚠ CAUTION! Keep all shields and discharge deflectors in place. Never attempt to clear discharge areas or mower blades without disengaging blades, turning engine off, and removing key.

For the best operation on average lawns, operate the engine at full throttle. Control the ground speed by adjusting the speed control bar. Uneven cutting is often the result of excessive ground speed. To correct uneven cutting, reduce the ground speed. Tall grass and weeds should be cut with the mower deck in its highest setting, then make a second pass cutting at the desired height. Always keep the mower blades sharp.

Mowing Speed

The mower is designed to operate most efficiently at the maximum blade speed. The speed of the machine should allow the mower blades to maintain this maximum speed while mowing across turf. Slow the machine for cutting tall grass, grass heavy with moisture, or when mowing uphill. If the ground speed is too fast, or the blade speed is too slow, mowing will be uneven because the mower blades will not be able to lift the grass into the cutting position as the mower passes over the ground.

Mowing Height

The best cutting height for your lawn has probably been established from previous experience. The first time you mow set the mower to cut a little higher than you have in the past. This will help you determine the best way to handle uneven areas so a wider cut does not result in scalping.

Adjustments

To Adjust the Hydro Tracking

Tools Needed:

- 3/8" wrench
- pliers
- 9/16" wrench
- 1/2" wrench
- 7/16" wrench

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

When both control handles are forward and resting on the speed control bar the unit should be tracking straight. If the machine is not tracking straight you should do the following:

1. Be sure both linkage control chains are firm (*Figure 2*). If they are not firm and need to be adjusted, use a 3/8" wrench and pliers to tighten the nuts. Do not over tighten.
2. Align the control handles with each other (*Figure 3*).
 - First, adjust the speed control bar so it is straight up and down. Use it as a guide to line up the control handles.
 - Next, loosen the 9/16" nuts on the clamps at the lower end of the control handles (*Figure 4*). Line up the control handles so they are even with each other and the speed control bar. Once the control handles are lined up, tighten the nuts.

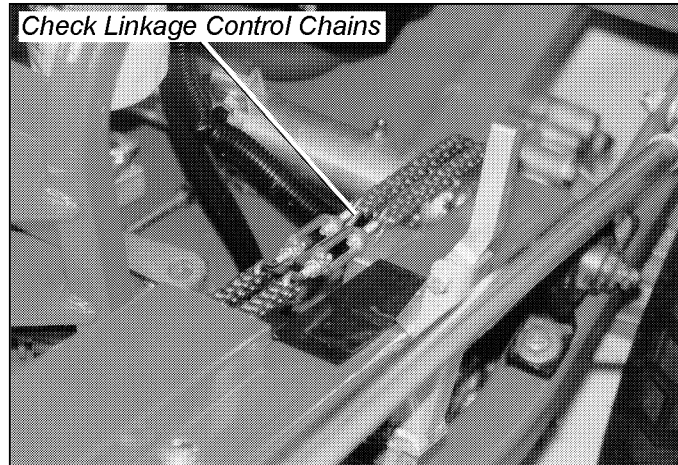


Figure 2

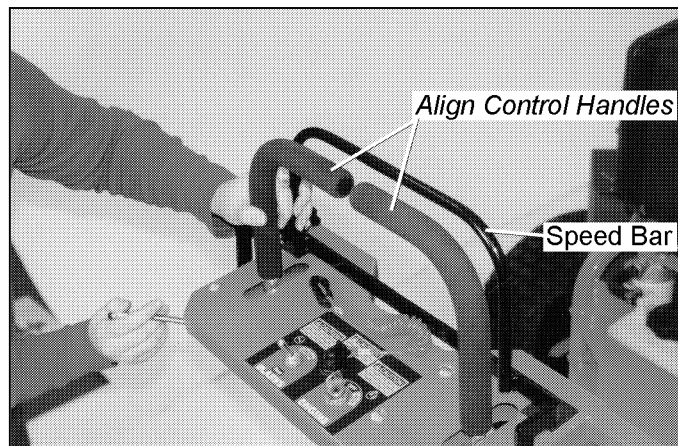


Figure 3

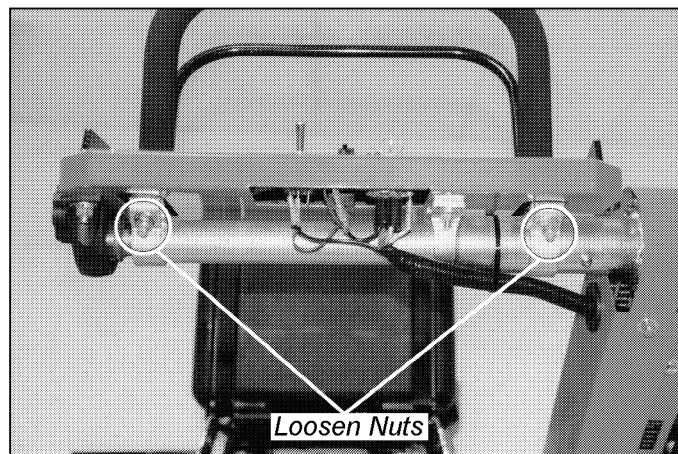


Figure 4

3. Adjust the left tire speed to the right tire (*Figure 5*):
 - a. Remove the left steering linkage assembly.
 - b. Loosen the ball pivot on hydro control long.
 - c. Slide the ball pivot to the right or left, depending on adjustment required. Sliding ball to left will increase the speed of the left wheel, sliding ball to the right will decrease the speed of the left wheel.
 - d. Replace the linkage arm and test the alignment. Repeat step 3 if necessary.

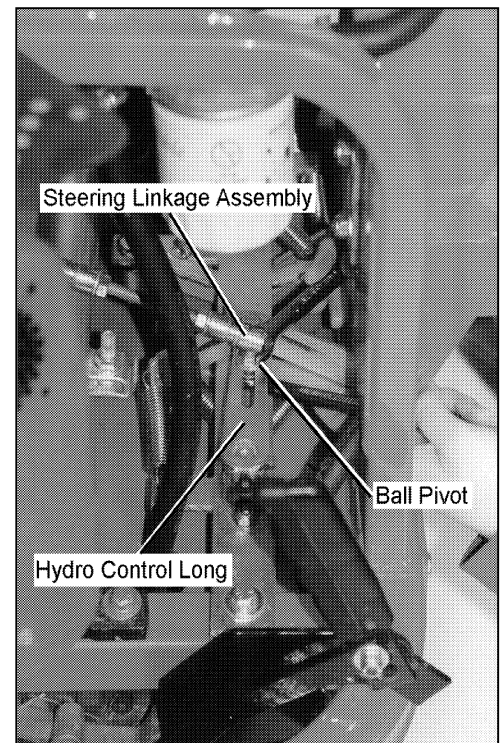


Figure 5

To Adjust the Hydro Drive Belt

Tools Needed:

- 1/2" wrench

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

After the first 2 hours of operating the machine, adjust the mule drive spring located below the electric clutch (*Figure 6*). Adjustment is made by turning the nut clockwise on the eyebolt to tighten the belt. Belt deflection should be between 3/4" to 1".

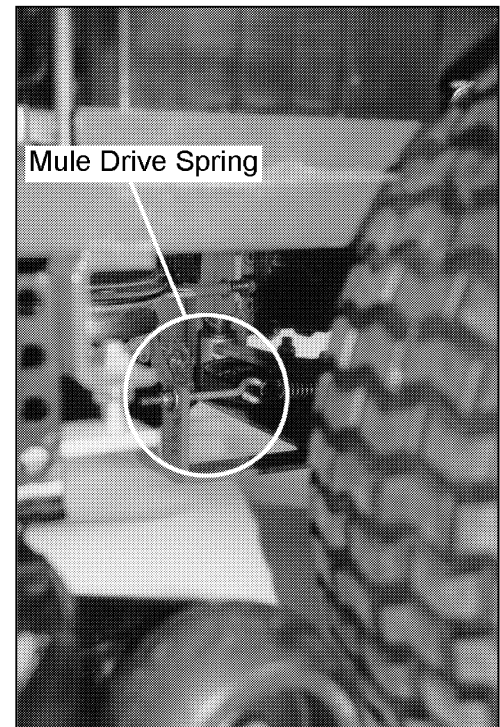


Figure 6

To Adjust the Engine to Deck Belt

Tools Needed:

- (2) 3/4" wrenches

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

To adjust the deck drive belt tension, loosen the two adjusting nuts on the deck rod assemblies (*Figure 7*). Turn rear nut clockwise to tighten belt. For recommended tension, compress the drive springs to 2-7/8" on both sides of the deck.

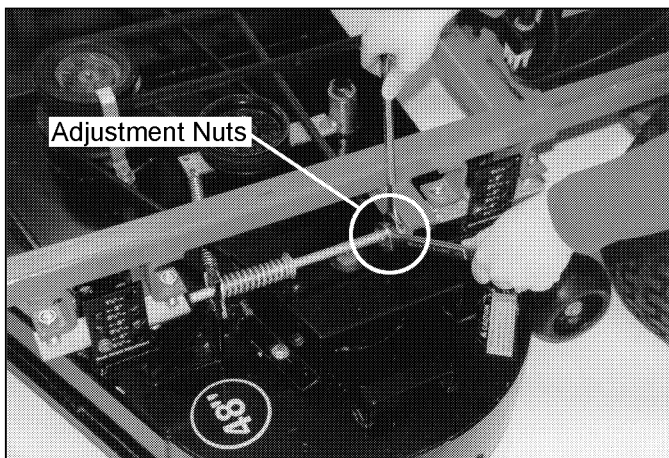


Figure 7

To Adjust the Parking Brake

Tools Needed:

- 9/16" wrench
- needle nose pliers

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

The transmissions are equipped with disc parking brakes, with brake pads on each side of the disc. If a pad gets worn and the parking brake is loose, you can adjust it. Remove the cotter key from the castle nut (*Figure 8*). Turn the nut clockwise 1 or 2 revolutions and test the brake. Repeat until the desired tension is applied. **DO NOT OVERTIGHTEN.**

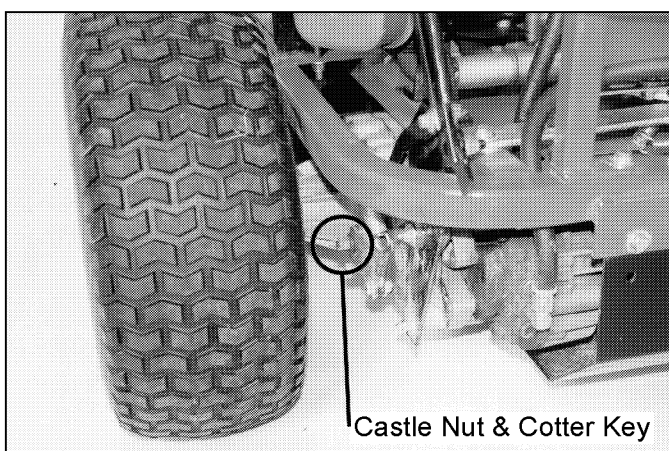


Figure 8

To Adjust the Control Arm

Tools Needed:

- (2) 1/2" wrenches

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

Each unit is designed so you can raise or lower the height of the control head, in both the ride and walk-behind mode. You adjust the control arm by moving the control rest assembly (*Figure 9*).

To adjust the ride mode position of the control arm:

- a. Swing the arm back into walk mode.
- b. Remove the bolt in the control rest tube.
- c. Raise or lower the tube to the desired height.
- d. Replace the bolt and tighten.



Figure 9

To adjust the walk mode position of the control arm:

- a. Place the arm in the ride position and repeat the above procedure.

To Adjust the Deck Height

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

To change deck height, lift the footrest forward. There are four clevis pins that hold the deck in hangers (*Figure 10*). Remove the hitch clip from the pins. Lift one side of the deck, remove the clevis pins (one at a time) and place the pin in the desired height setting. Replace the hitch clip and repeat until all four pins are in the same height position.

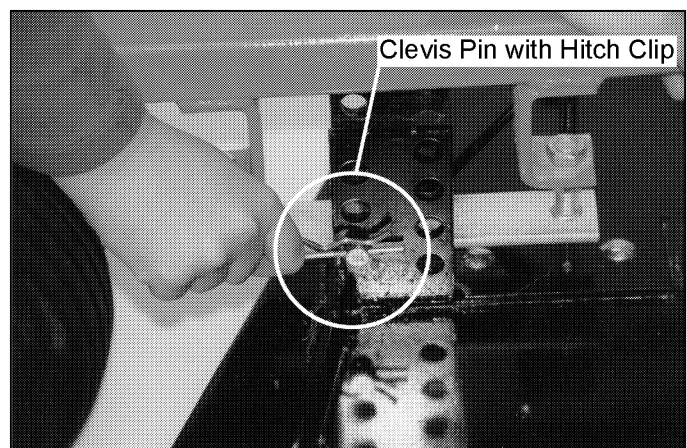


Figure 10

To Level the Deck

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

The four deck hangers on the chassis are all adjustable. Place the machine on a level surface. Check the height of the blades from the ground (*Figure 11*). Raise or lower the deck hangers until the blades are the same height, front to rear, and side to side.

Note: You can also change the pitch of the deck if desired. By adjusting the deck brackets you can either level the deck, or have the front lower or higher.

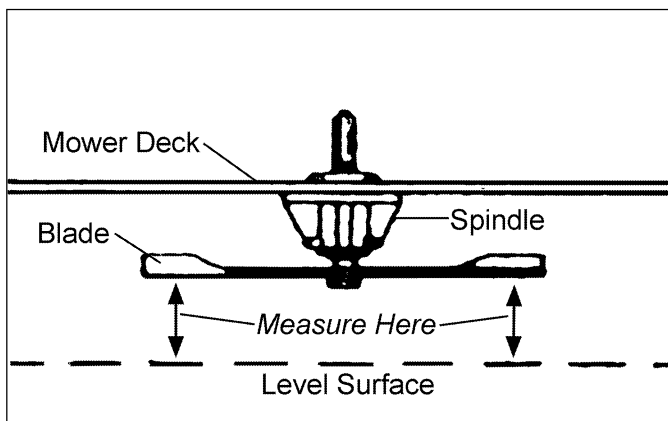


Figure 11

To Adjust the Neutral Setting

Tools Needed:

- 1/4" open end wrench, or pliers

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

Note: Neutral adjustment is made by loosening the set screws on the hydro control long arm on each side. Notice that for the left side adjustment, the hydro control long arm is on the upper left side of the steering cam assembly. For the right side adjustment, it is on the lower right side of the steering cam assembly.

Please see Drawing E, page 30 for reference.

To put the machine in the neutral position (*Figure 12*):

- Block the machine up so the rear tires are off the ground. Set the neutral position of the left tire by loosening the two set screws on the hydro control long arm on the upper left side of the steering cam assembly.
- Start the machine and run it at half throttle.
- Turn the hydro control short arm forward, or backward, whichever is needed until the left tire stops. Once the tire has stopped, tighten the set screws on the hydro control long arm.
- Repeat the procedure for right side.

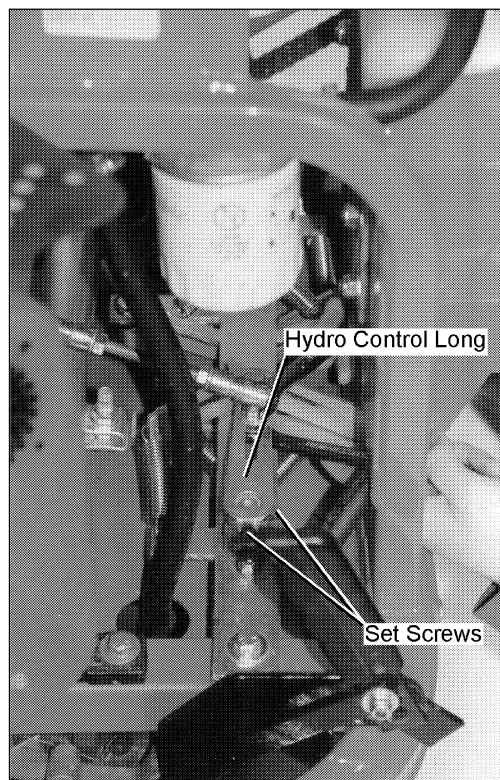


Figure 12

Hand Pushing the Machine

⚠ WARNING! Before performing any adjustments, the engine should be stopped and the spark plug wire disconnected.

⚠ CAUTION! Hand push the machine only. DO NOT TOW. Towing can cause severe damage to the Hydrostatic Transmission.

Hydrostatic transmission machines can be pushed at a slow speed. To do this, locate the hydro dump valve handles under the chassis, just inside the rear tires (*Figure 13*). Pull the handle out, then turn it so the foot of the handle is over the dump valve butt on the transmission. Push the handle in and the foot of the handle will hold the dump valve position. Repeat on the other side. This will allow you to hand push the machine without starting it.

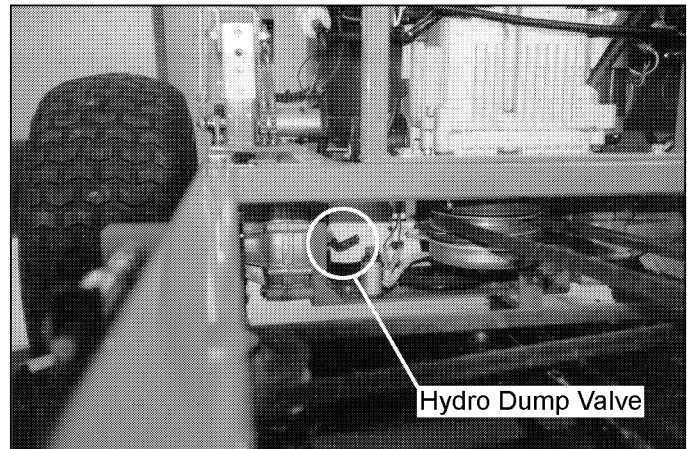


Figure 13

Maintenance

***** For engine maintenance procedures, please refer to the engine manufacturer's owner's manual. *****

Regular Maintenance Check List

Regular maintenance is the way to ensure the best performance and long life of your machine. Below is a list of recommended maintenance procedures. Follow the instructions in this manual and your engine manufacturer's owner's manual.

Note: Service intervals shown are considered maximum under normal operating conditions. Increase frequencies under extremely dirty or dusty conditions.

Procedure	Before Each Use	Every 10 Hours	Every 25 Hours	Every 50 Hours	Every 100 Hours	Every 500 Hours
Check Operator Presence Switch	▲					
Check Engine Oil Level	▲					
Check Hydraulic Oil Level	▲					
Check General Equipment Condition	▲					
Adjust Hydro Belt	After 1st two hours—see page 7					
Lubricate Spindles		▲				
Grease Front Wheels		▲				
Check Tire Pressure			▲			
Check All Fasteners			▲			
Check Deck Level			▲			
Clean Air Cleaner & Precleaner			▲			
Lubricate Chassis in Front			▲			
Check Parking Brake Adjustment				▲		
Clean Engine Exterior & Cooling Fins				▲		
Lubricate Idler Assemblies				▲		
Check All Belt Tensions				▲		
Change Engine Oil & Filter				1 st time 50 hours	▲	
Replace Spark Plugs					▲	
Replace Air Filter & Precleaner					▲	
Lubricate Concentric Tubes in Control Arm					▲	
Replace Inline Gas Filter					▲	
Replace Hydro Filters					1 st time 250 hours	▲

Battery Care

Proper care can extend the life of a battery. Follow these recommendations to ensure your battery's best performance and long life:

- Do not continue to crank the engine with a low battery.
- Try to keep the battery at full charge to maximize its life. If the machine is not used, the battery should be charged every thirty to sixty days.
- Store an unused battery in a dry area that does not freeze.
- Do not charge an already charged battery. In theory, our battery cannot be overcharged with a trickle charger; however, when a battery is fully charged and the charger is still on, it generates heat that could be harmful to the battery. We do not recommend keeping the charger connected to the battery for more than 48 hours.

Battery Troubleshooting

Symptoms of a battery needing a charge or replacement:

- The engine won't start.
- A whirring noise coming from the starter.
- A grinding noise coming from the starter.
- No noise at all.

What to do:

- Check that the battery is fully charged. A fully charged battery should read about 12 volts. Disconnect the battery from the wiring harness and then put a volt tester on the battery.
- Check all cable connections.
- The wiring harness consists of a set of wires that lead from the ignition switch to the battery. Disconnect and reconnect the battery wires and check the wire connections at the key switch.
- Call one of our Technical Support Representatives TOLL-FREE 1(800)DR-OWNER(376-9637) for assistance.

Removing the Deck

It is very important to clean the underside of the deck frequently. Accumulation of clippings and debris will prevent the mower from “lifting” grass into the cutting position and discharging clippings evenly. Grass accumulating under the deck is often a cause of uneven cutting. For best results when cleaning the deck, remove it from the chassis and invert it.

Tools Needed:

- (2) 1/2" wrenches
- pliers

⚠ WARNING! Before performing any maintenance procedure, the engine should be stopped and the spark plug wire disconnected.

1. Remove the engine to deck belt from the top pulley on the deck. See steps 1 & 2 on page 16.
2. Remove all four Clevis pins from the deck hangers (*Figure 14*).
3. Engage the hydro dump valves on the transmissions (*Figure 15*).
4. Put the machine in the walk position, and while pushing down on the control head slowly pull the unit off of the deck.

Note: Be sure to note how the deck spring assemblies are mounted, and reinstall them the same way (*Figure 16*).

5. Before reassembling the deck, back off the nuts on the deck spring assemblies by an inch or so to release tension. Tighten the spring assemblies when the deck is mounted so there is 2-7/8" compression on each spring.
6. Reverse procedure for deck installation.

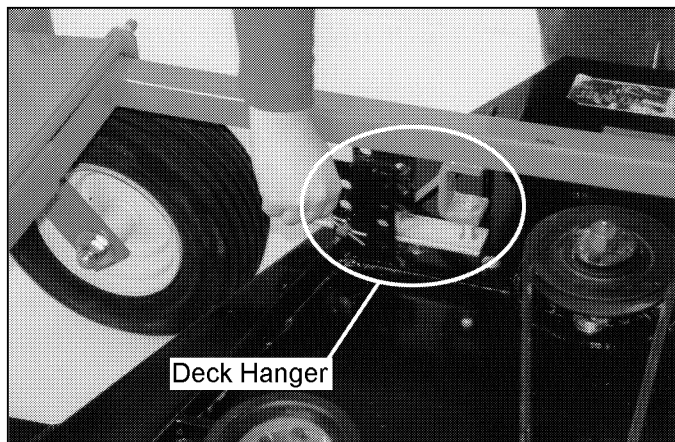


Figure 14

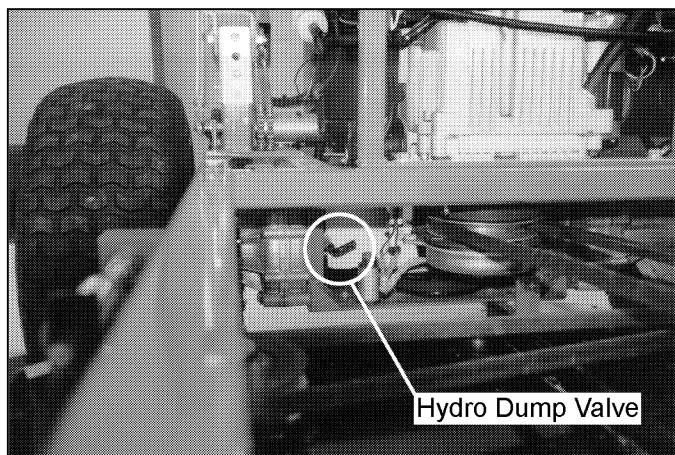


Figure 15

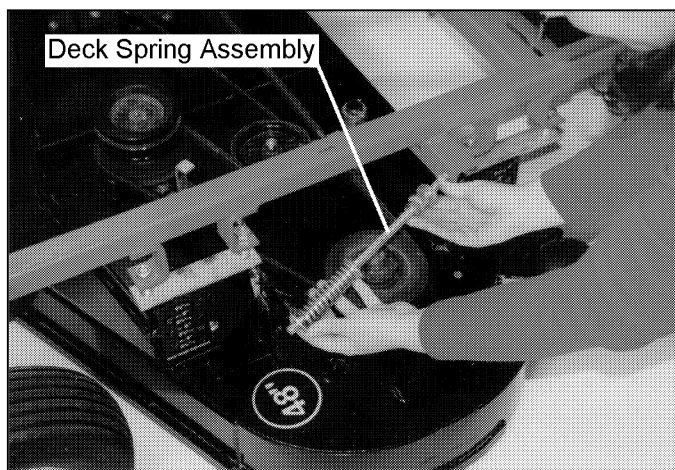


Figure 16

Blade Maintenance

To obtain optimum mowing results, mower blades should be kept sharp and well balanced. Follow the instructions below to remove, sharpen and/or replace the blades.

⚠ CAUTION! Sharp edges of blades can cut you during blade maintenance or adjustment. Use gloves or a rag when handling blades to prevent injuries.

Tools & Supplies Needed:

- (2) 1/2" wrenches
- 15/16" socket or wrench
- pliers
- gloves or a rag

⚠ WARNING! Before performing any maintenance procedure, the engine should be stopped and the spark plug wire disconnected.

To remove and sharpen the blades, you should remove the deck from the chassis:

1. To remove the deck, follow the instructions on page 14, then invert the deck as shown in Figure 17.
2. Remove the blade attaching bolts and washers from each spindle.
3. Remove the blades. A short piece of 2 x 4 lumber may be placed between the side of the deck and the blade to "lock" it in position when loosening the attaching hardware (*Figure 17*).
4. File or grind the blades evenly. Take care to retain the angle of the original cutting edge.
5. Blade balance can be checked on an inexpensive blade balancer, available at most hardware stores.
6. Reinstall the blades with the lift (turned up) portion facing up.
7. Tighten the blade attaching bolts to a torque of 10-100 ft. lb.
8. Reinstall the deck following the instructions on page 14.

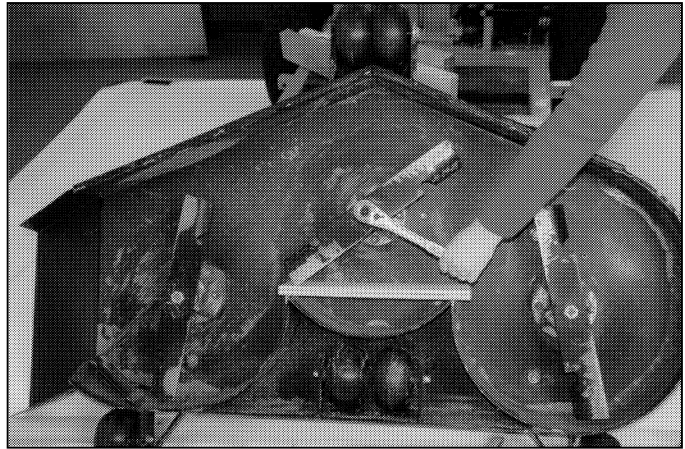


Figure 17

Belt Maintenance

⚠ CAUTION! Always use manufacturer recommended belts for replacement parts. These belts are designed specifically for each application.

Engine to Deck Belt Replacement

Tools Needed:

- (2) 1/2" wrenches

⚠ WARNING! Before performing any maintenance procedure, the engine should be stopped and the spark plug wire disconnected.

1. Loosen the belt guide and push it aside (*Figure 18*).
2. Remove the belt from top pulley on the deck (*Figure 18*).
3. Unplug the clutch wires (*Figure 19*).
4. Loosen the clutch bracket so the belt can clear it (*Figure 20*).
5. Remove the old belt from the engine pulley.
6. Mount the new belt on the engine pulley.
7. Mount the clutch bracket and plug in the clutch wires.
8. Mount the belt onto the top pulley on the deck.
9. Replace the belt guide.

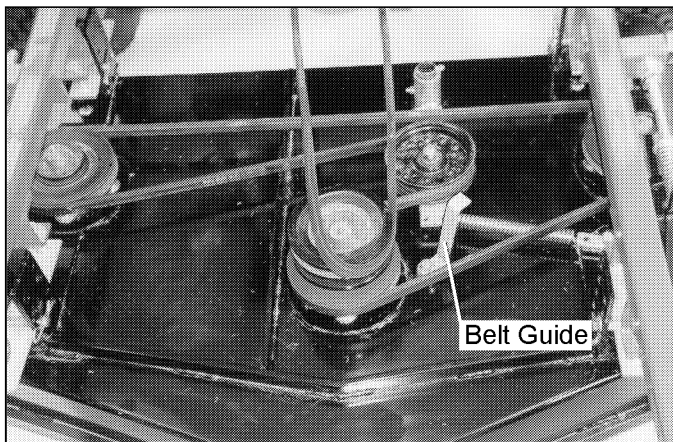


Figure 18

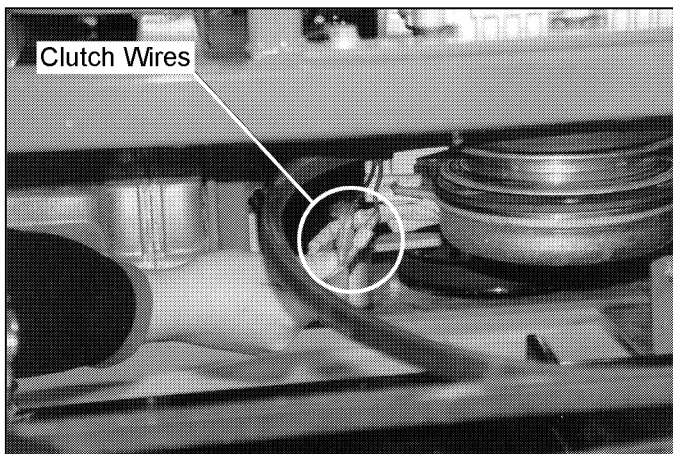


Figure 19

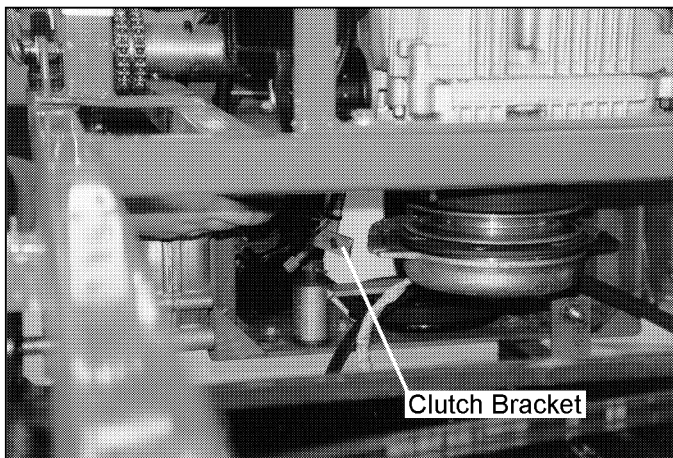


Figure 20

Hydro Drive Belt Replacement

Tools Needed:

- (2) 1/2" wrenches

⚠ WARNING! Before performing any maintenance procedure, the engine should be stopped and the spark plug wire disconnected.

1. Follow instructions 1-4 on page 16 for removing the engine to deck belt.
2. Remove the nut from the eye bolt on the main drive idler pulley (*Figure 21*).
3. Remove the old belt.
4. Mount the new belt and tighten it. The belt should have 3/4" to 1" deflection.
5. Replace the eye bolt and nut on the main drive idler pulley.
6. Replace the clutch bracket and plug in the clutch wires.
7. Mount the belt onto the top pulley on the deck.
8. Replace the engine to deck belt guide.

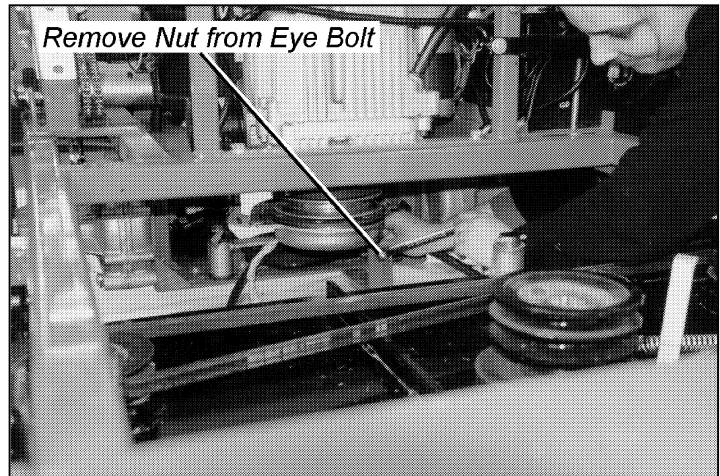


Figure 21

IMPORTANT! Be sure to adjust the new belt after the first 2 hours of operation. See page 7.

Deck Belt Replacement

Tools Needed:

- 7/16" wrench

⚠ WARNING! Before performing any maintenance procedure, the engine should be stopped and the spark plug wire disconnected.

1. Remove the belt guards from the deck (*Figure 22*).
2. Remove the engine to deck belt from the top pulley on the deck. See instructions 1 & 2 on page 16.



Figure 22

3. Work the deck belt off of the pulleys, starting with the pulley closest to the discharge chute (*Figure 23*).
4. Mount the new belt on the deck pulleys.
5. Replace the engine to deck belt on the top pulley on the deck. See instructions on page 16
6. Replace the belt guards.

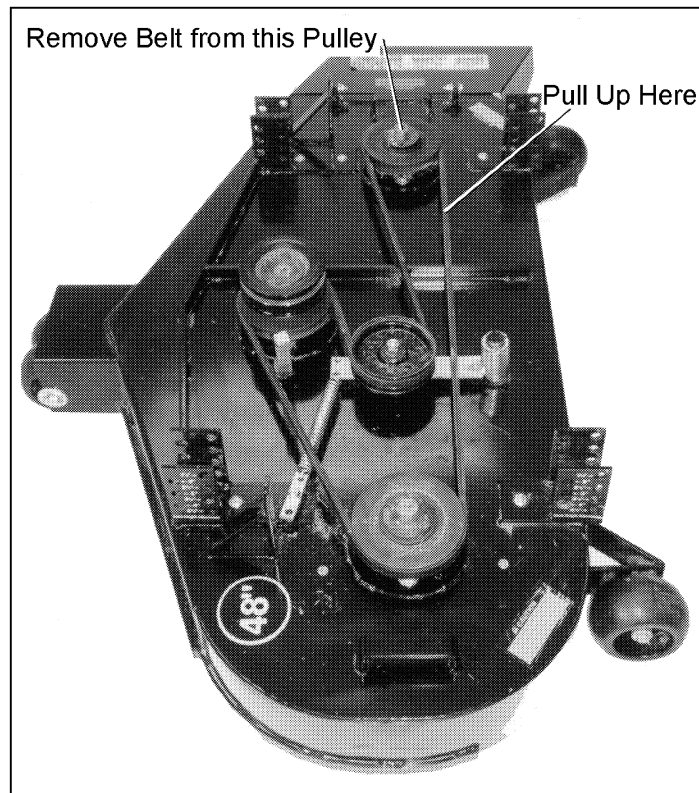


Figure 23

Cleaning

After 30 days, painted surfaces may be waxed to protect the luster of the original finish. The machine should be washed regularly with a mild automotive type detergent and water. Exposed bare metal surfaces should be coated with oil, or a light coating of grease to prevent rust, until permanent repairs can be made.

Storage

When the machine will not be used for an extended period of time, the following steps will help insure the best performance when it is returned to service:

1. Perform all required maintenance steps in the Maintenance Check List. See page 12.
2. Check the tires for proper inflation.
3. Wash the machine and repair all bare metal surfaces.
4. Start the engine and engage the blades for approximately 1 minute to remove excess water from the belts and pulleys. Let the engine run out of gas. As the gasoline grows old it becomes less volatile, and forms harmful gum and varnish deposits in the carburetor and fuel systems. Do not store gasoline for more than two months.
5. If applicable, charge the battery. In temperatures lower than 40 F a battery will maintain a charge for about 60 days. In temperatures above 40 F, the water level should be checked and the battery “trickle charged” every 30 days. The battery must be fully charged to prevent freezing and internal damage in temperatures below 32 F. See page 13 for more battery care information.

Troubleshooting

⚠ WARNING! Before performing any maintenance procedure, the engine should be stopped and the spark plug wire disconnected.

Symptoms	Possible Cause	Possible Remedy
<i>Engine won't turn over or engine turns over but will not start.</i> <i>(Please refer to the engine manufacturer's owner's manual for engine-specific procedures.)</i>	⇒ Dead battery ⇒ Fuse burned out ⇒ Spark plug not firing ⇒ No fuel in tank ⇒ Starter or solenoid ⇒ Ignition switch	⇒ Charge or replace the battery ⇒ Replace fuse ⇒ Check spark plug condition. Reset gap if needed or replace spark plug ⇒ Fill fuel tank, or check tank shut off valve ⇒ Call 1(800)DR-OWNER(376-9637) for advice and assistance ⇒ Call 1(800)DR-OWNER(376-9637) for advice and assistance
<i>Engine hard to start</i> <i>(Please refer to the engine manufacturer's owner's manual for engine-specific procedures.)</i>	⇒ Spark plug wire grounded or loose ⇒ Spark plug faulty or improperly gapped ⇒ Fuel line clogged	⇒ Check spark plug wire ⇒ Check spark plug condition. Reset gap if needed or replace spark plug ⇒ Clean fuel line, replace filter
<i>Engine starts, but operates erratically</i> <i>(Please refer to the engine manufacturer's owner's manual for engine-specific procedures.)</i>	⇒ Fuel line clogged ⇒ Water in fuel ⇒ Vent in fuel cap closed or plugged	⇒ Clean fuel line, replace filter ⇒ Drain old fuel and replace with fresh supply ⇒ Check vent in fuel cap
<i>Engine knocks</i> <i>(Please refer to the engine manufacturer's owner's manual for engine-specific procedures.)</i>	⇒ Fuel octane low ⇒ Engine overheated	⇒ Drain fuel and replace with a fresh higher octane supply ⇒ Shut engine off and allow to cool
<i>Engine runs fine, but machine will not move</i>	⇒ Faulty transmission or drive belt	⇒ Check drive belt ⇒ Call 1(800)DR-OWNER(376-9637) for advice and assistance
<i>Mower deck will not engage</i>	⇒ Faulty operator presence switch ⇒ Broken clutch wire(s) ⇒ Faulty clutch	⇒ Call 1(800)DR-OWNER(376-9637) for advice and assistance ⇒ Reconnect clutch wire(s) or call 1(800)DR-OWNER(376-9637) for advice and assistance ⇒ Call 1(800)DR-OWNER(376-9637) for advice and assistance
<i>Machine "walks" while in neutral</i>	⇒ Incorrect neutral setting	⇒ Adjust neutral setting. See page 10
<i>Machine will not track straight</i>	⇒ Incorrect tracking alignment	⇒ Adjust hydro tracking. See page 6
<i>Control handles are not aligned with each other</i>	⇒ Incorrect alignment	⇒ Set alignment and hydro tracking. See page 6

<i>Mower not cutting evenly</i>	⇒ Deck not level	⇒ Level deck. See page 10
	⇒ Deck clogged	⇒ Clean deck. See page 14
	⇒ Ground speed too fast	⇒ Slow ground speed
	⇒ Incorrect tire pressure	⇒ Check tire pressure in all tires

Specifications

Power Unit

Convertible:	Zero turn walk-behind/Zero turn rider
Transmissions:	Hydrogear
Hydro filters:	Two 25 micron filters
Ground speed:	Up to 7.5 mph forward, up to 3 mph reverse
Blade clutch:	Electric, Mag stop
Tires:	Rear 20 x 8 x 8, front casters 13 x 5 x 6
Capacities:	Fuel tank 5 gallons, Hydro reservoir 3 quart
Brake:	Hydro-stat transmissions provide dynamic braking, Disc-type parking brake
Seat:	Adjustable seat is hinged for access to engine
Controls:	Throttle and choke, key switch, PTO switch, Speed control, operator present control
Weight:	600 lbs
Height:	Top of control levers 48"
Length:	Ride mode 64"

Deck

Material:	Formed 10-gage, 1/2" reinforcement plates on front. One year limited warranty
Blade tip speed:	18,600 FPM
Height of cut:	Adjustable 1 1/2" to 4 1/2" in 1/2" increments
Spindles:	Superior Gear with tapered roller bearings and weep hole
Drive pulleys:	Cast-Iron with tapered hub for tight clamping to shaft and easy removal

Vehicle Identification Number Locations

Vehicle identification numbers are used to identify your machine and attachments. The chassis identification is located on the left side of the frame just below the gas tank. This number identifies the chassis only. There is an identification number on each deck located on the back left side of deck. Engine identification number is located on engine shrouding and indicates model type and serial number of your mowing machine engine.

For your convenience and ready reference, enter all identification numbers below.

Convertible Chassis #: _____

Deck #: _____

Engine Serial Number #: _____

Model #: _____

Deck Size: _____

Drawing A: Frame

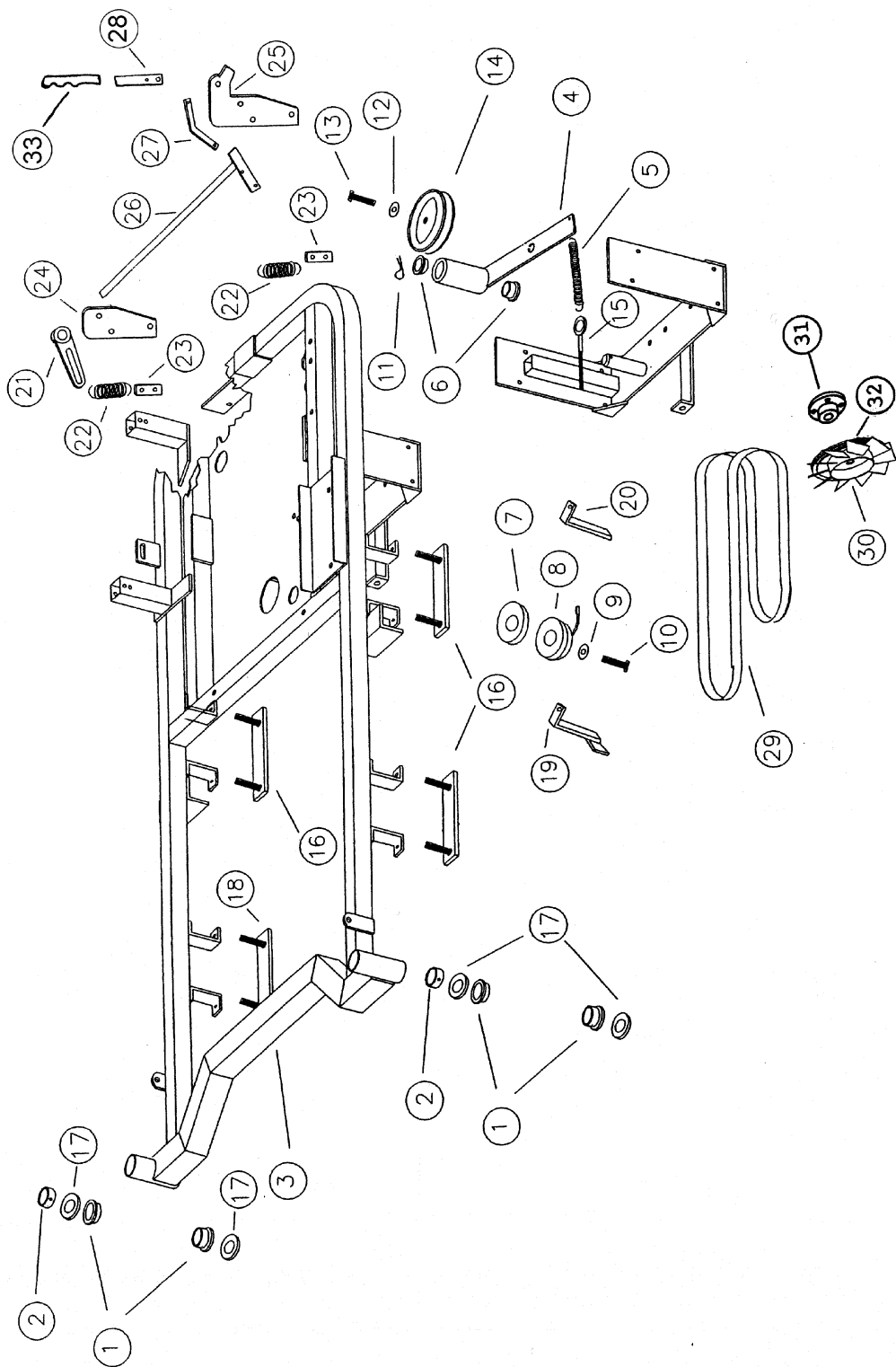


Figure 24

Parts List: Drawing A, Frame

Ref. #	Part #	Description
1.	110506	Nylon Caster Bushing
2.	10547	1" ID Caster Collar
3.	11100	Frame
4.	11118	Idler Assembly
5.	10566	Mule Drive Spring
6.	10529	1" ID Bronze Bushing
7.	10513	Engine Drive Pulley
8.	10507	Electronic Clutch
9.	70046	7/16" Split Washer
10.	70068	7/16" x 2.5" Fine Bolt
11.	10570	Cotter Pin
12.	70041	1/2" Flat Washer
13.	70077	1/2" x2 1/4" Hex Cap Screw
14.	10511	Main Drive Idler Pulley
15.	70027	Eye Bolt
16.	11148	Deck Hanger Bracket, Long
17.	70065	1" ID Mach. Bushing 14 GA
18.	11147	Deck Hanger bracket, Long
19.	11150	Clutch Bracket
20.	10146	Hydro Belt Guide
21.	11432	Hydro Long
22.	10566	Mule Drive Spring
23.	10157	Spring Extension Flag
24.	10155	Brake Plate, Right
25.	10156	Brake Plate, Left
26.	11438	Brake Shaft Assembly
27.	10149	Brake Control Arm
28.	11439	Brake Handle
29.	10544	Hydro Belt
30.	10512	Hydro Pulley
31.	10645	Hydro Pulley Bushing
32.	10545	Hydro Fan
33.	11440	Throttle/Brake Grip

Drawing B: Seat Pedestal

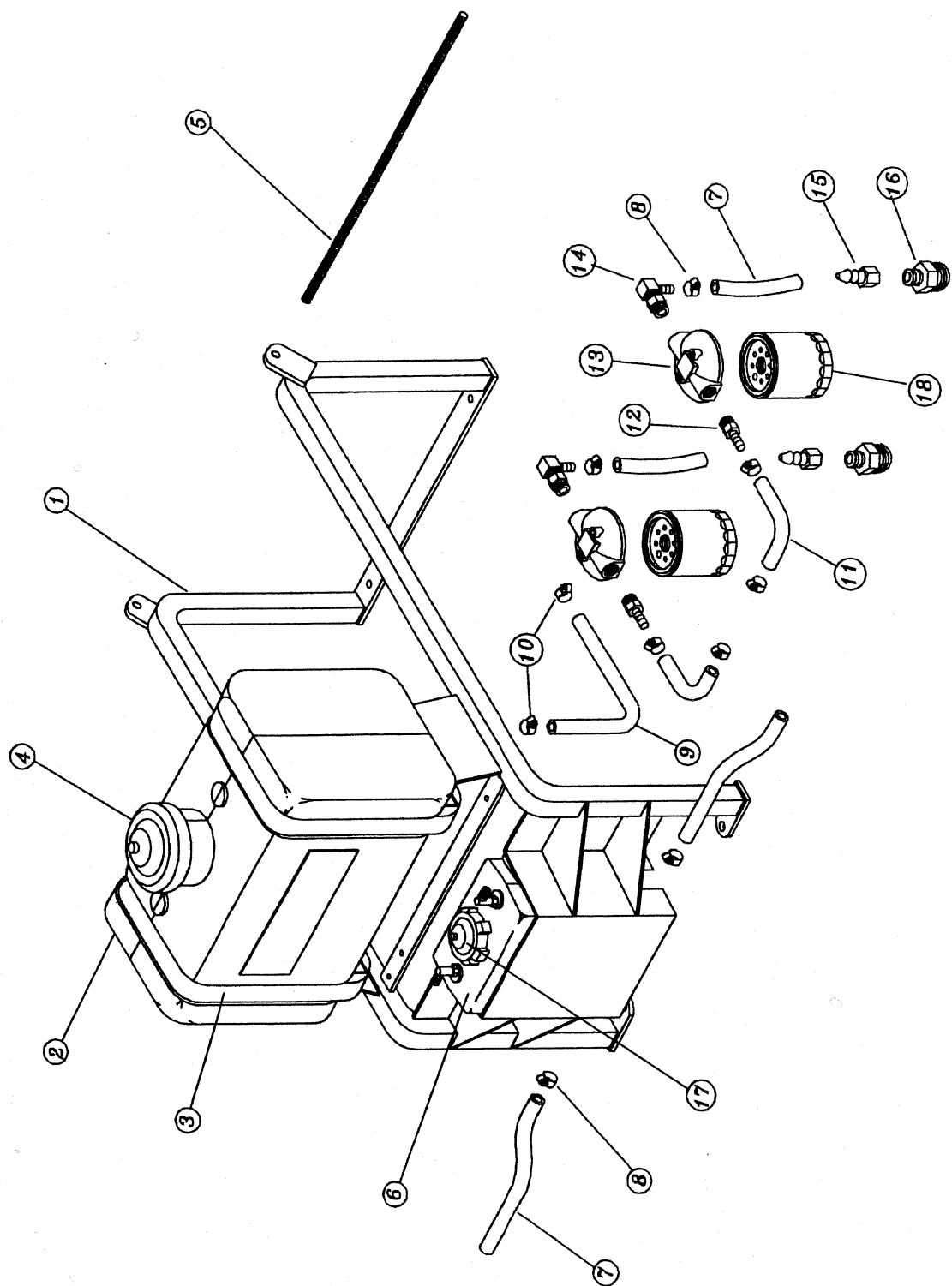


Figure 25

Parts List: Drawing B, Seat Pedestal

Ref. #	Part #	Description
1.	10200	Frame, Seat Pedestal
2.	10520	Gas Tank
3.	10205	Gas tank straps
4.	10599	Gas tank cap
5.	10610	Seat Plate All Thread
6.	10519	3 qt. Hydro Tank
7.	10668	14" Hydro Hose
8.	70029	3/8" Hydro Hose Clamp
9.	10558	1/4" Fuel Line
10.	10553	1/4" Fuel Line Clamps
11.	10596	5" Hydro Hose
12.	10540	Filter Fitting Straight
13.	10537	Hydro Filter Housing
14.	10541	Filter Fitting 90 Degree
15.	10523	Hydro Fitting, Push On
16.	10539	Hydro Fitting, (Charge)
17.	10621	Hydro tank cap
18.	10536	Hydro filter

Drawing C: Machine Rear View

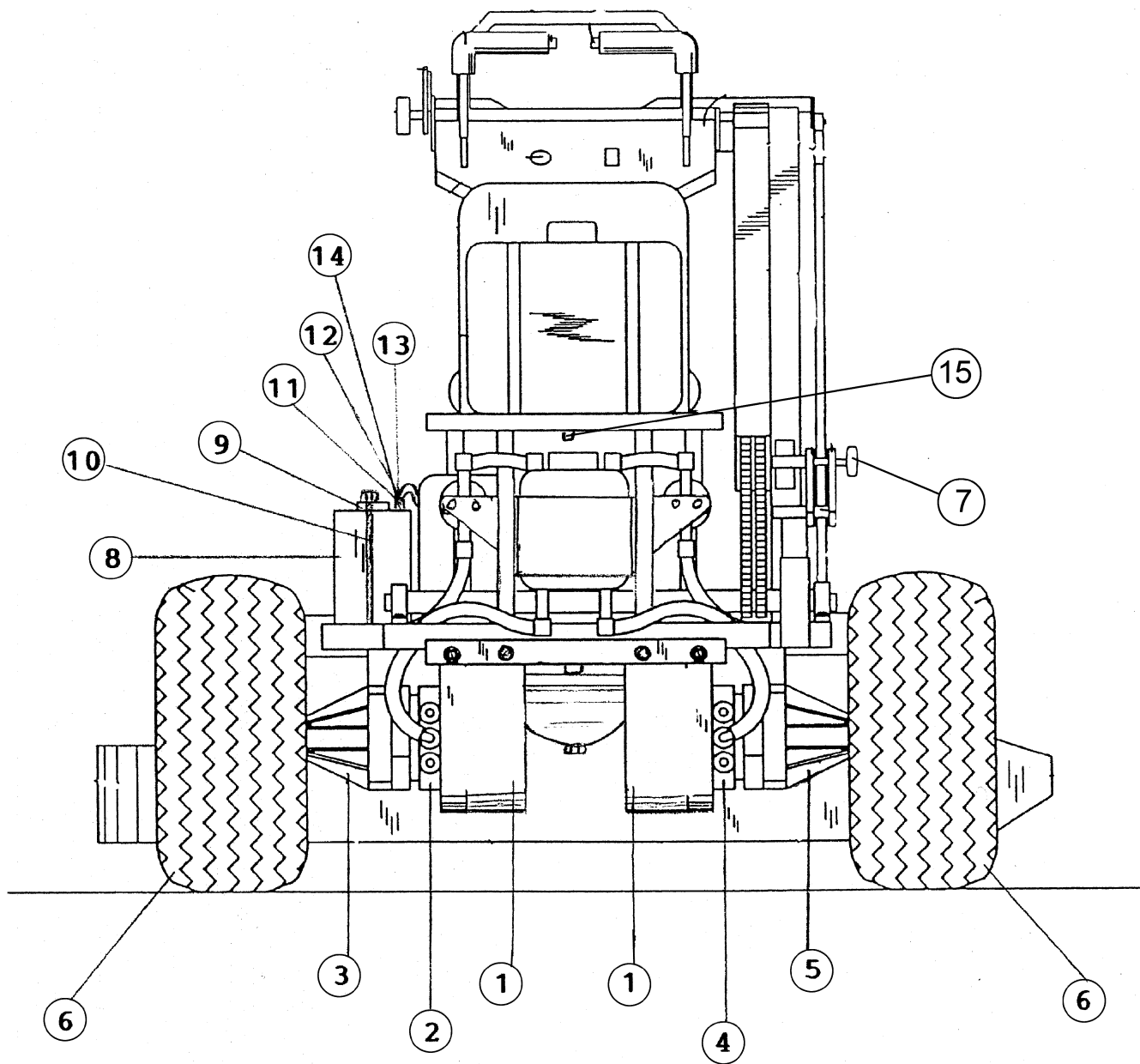


Figure 26

Parts List: Drawing C, Machine Rear View

Ref. #	Part #	Description
1.	10127	Hydro Guard
2.	10503L	Hydro Pump, Left
3.	10504L	Hydro gearbox, Left
4.	10503R	Hydro pump, Right
5.	10504R	Hydro gearbox, Right
6.	10651	Rear Wheel and Tire, 4-Ply
7.	10672	Control Arm Latch
8.	10546	Battery
9.	11505	Battery Cover
10.	10602	Threaded Rod, Battery
11.	10551	Battery Cable, Black
12.	10550	Battery Cable, Red
13.	10549	Battery Terminal Boot, Red
14.	10576	Battery Terminal Boot, Black
15.	10206	Gas Tank Valve Bracket

Drawing D: Machine Side View

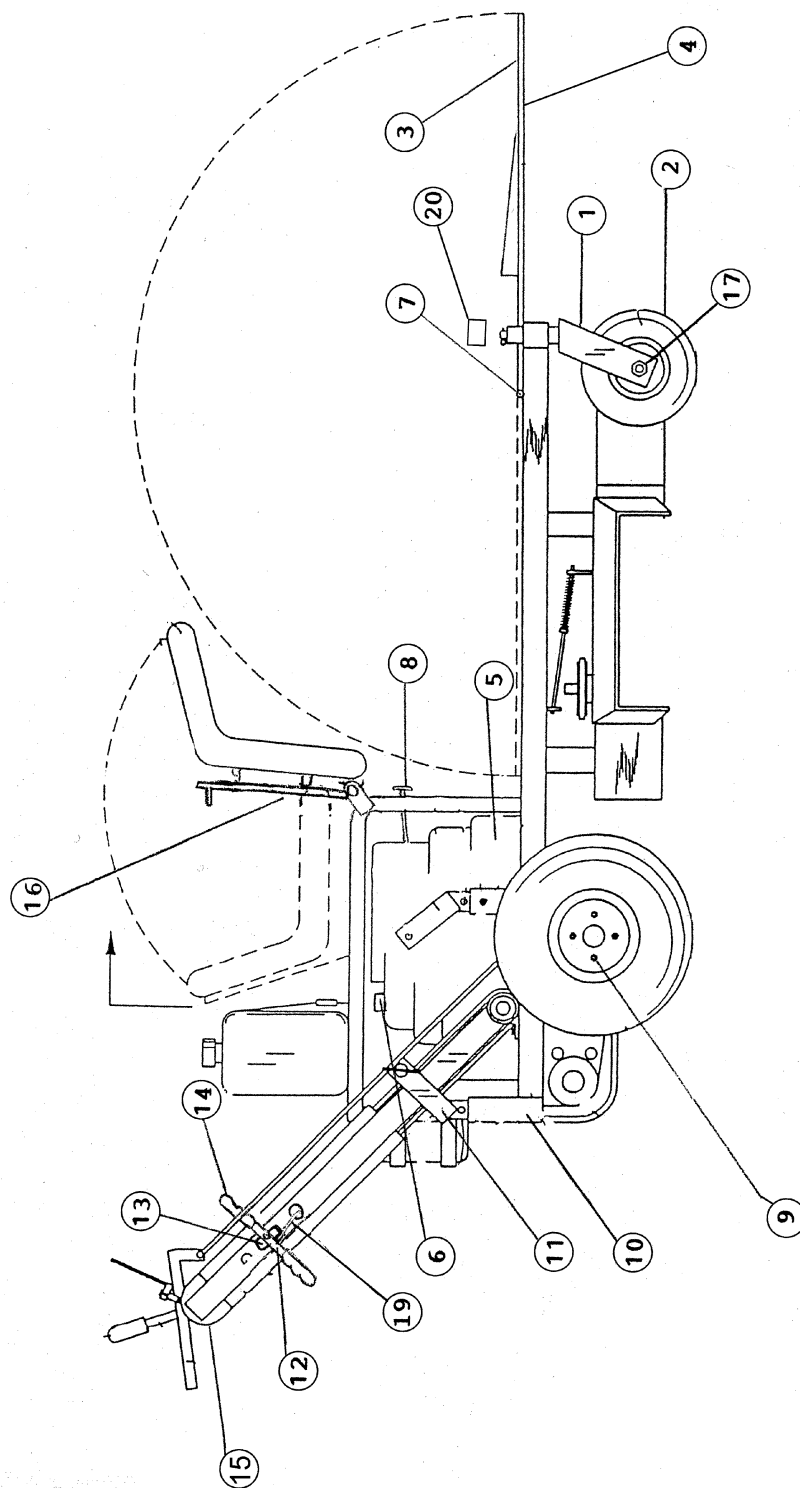


Figure 27

Parts List: Drawing D, Machine Side View

Ref. #	Part #	Description
1.	11124	Caster Yoke
2.	10517	Front Tire
3.	11128	Foot Rest
4.	10580	Rubber Foot Mat
5.	10502-K	17 HP Kohler Engine
6.	10562	Hour Meter
7.	10609	Foot Rest Threaded Rod
8.	10624	Choke Cable
9.	10578	Lug Nuts
10.	10436	Control Arm Rest Tube
11.	11520	Control Arm Latch Housing
12.	11422	Throttle Handle
13.	11423	Throttle Cable Mount
14.	11440	Throttle/Brake Grip
15.	10428	Control Shield End Bracket
16.	11212	Seat Support Plate
17.	10615	Caster Bolt
19.	11575	Throttle Wire Assembly
20.	70121	Caster Collar Cover

Drawing E: Linkage System

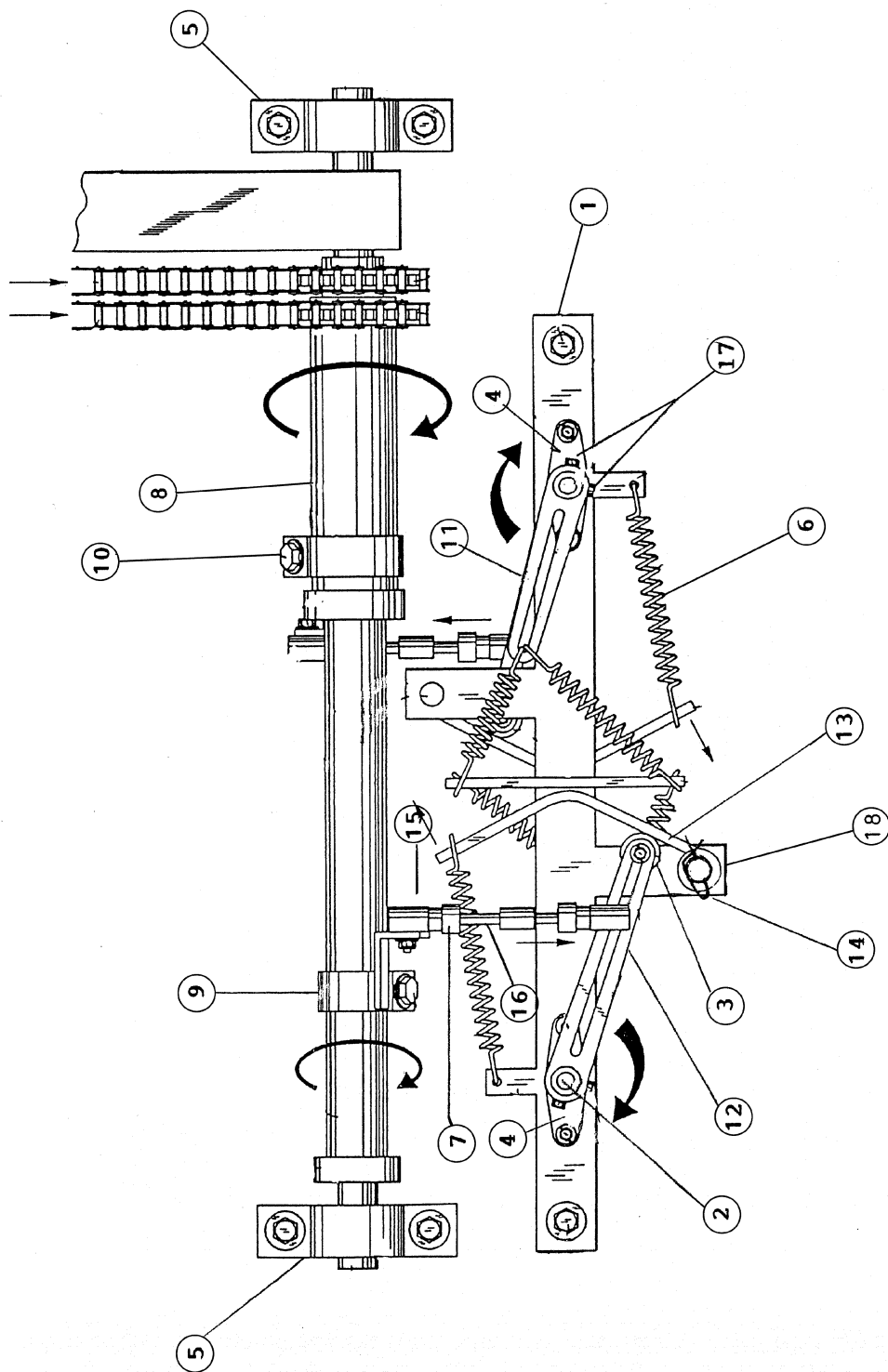


Figure 28

Parts List: Drawing E, Linkage System

Ref. #	Part #	Description
1.	10121	Steering Cam Assembly
2.	10141	Hydro Cam Shaft
3.	10505	Cam Bearing
4.	10525	2" Bolt Flange Bearing
5.	10526	Main Arm Pivot Bearing
6.	10565	Linkage Spring
7.	10625	Steering Linkage Assembly
8.	11420	Lower Concentric Assembly
9.	11424	Lower Control Clamp, Small
10.	11425	Lower Control Clamp, Large
11.	11431	Hydro Control Arm, Short
12.	11432	Hydro Control Arm, Long
13.	11137	Cam Pivot Assembly
14.	10571	Rue Cotter Pin
15.	10521	Steering Ball Joints
16.	10626	Steering Linkage All Thread
17.	70073	Square Head Set Screw
18.	10528	1/2" ID Bushing

Drawing F: Control Arm Side View

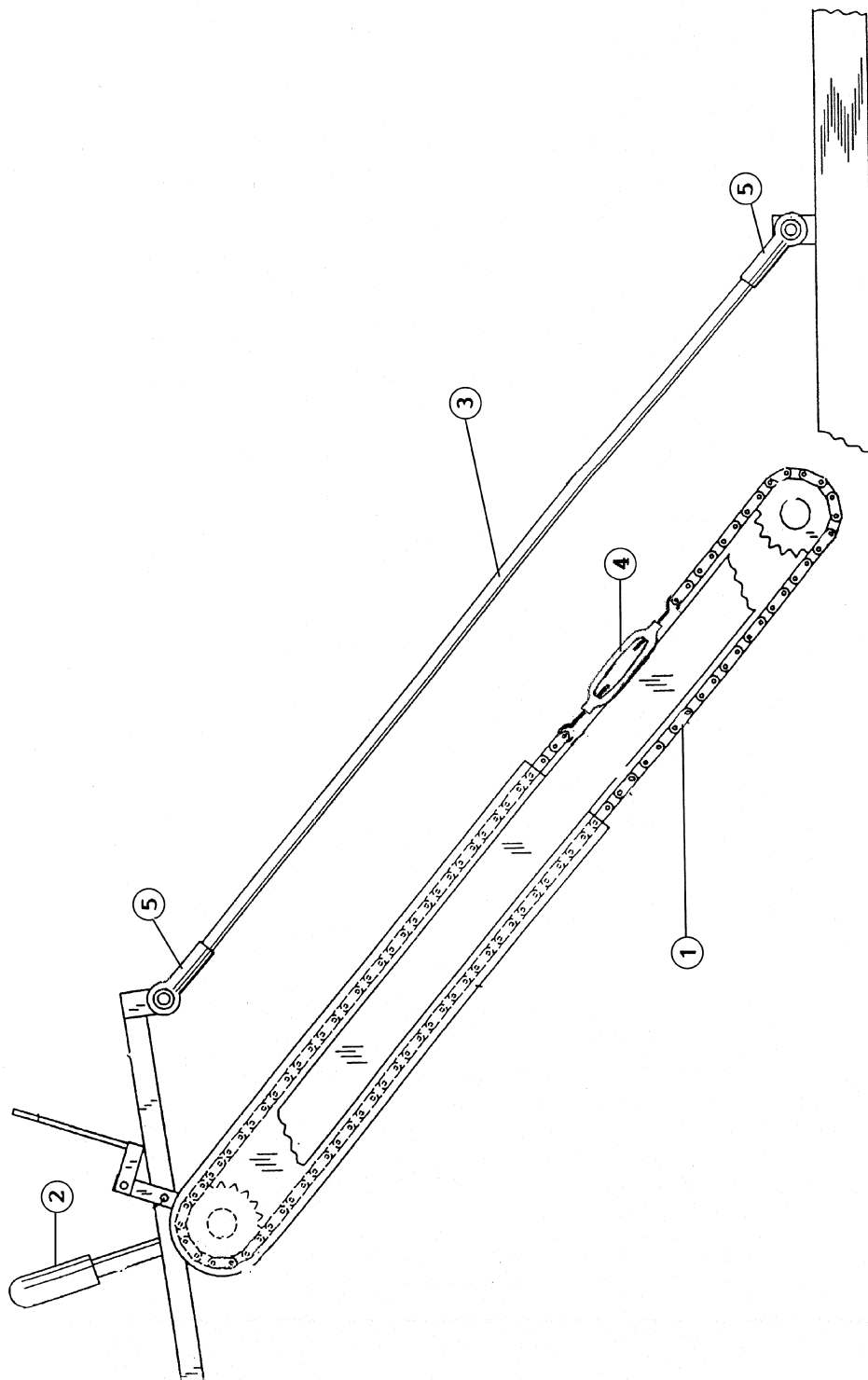


Figure 29

Parts List: Drawing F, Control Arm Side View

Ref. #	Part #	Description
1.	10535	Linkage Chain
2.	10573	Joy Stick Covers
3.	10600	Control Head Tie Rod Assembly
4.	10577	Midget Turnbuckle
5.	10522	Rod Ends

Drawing G: Control Arm

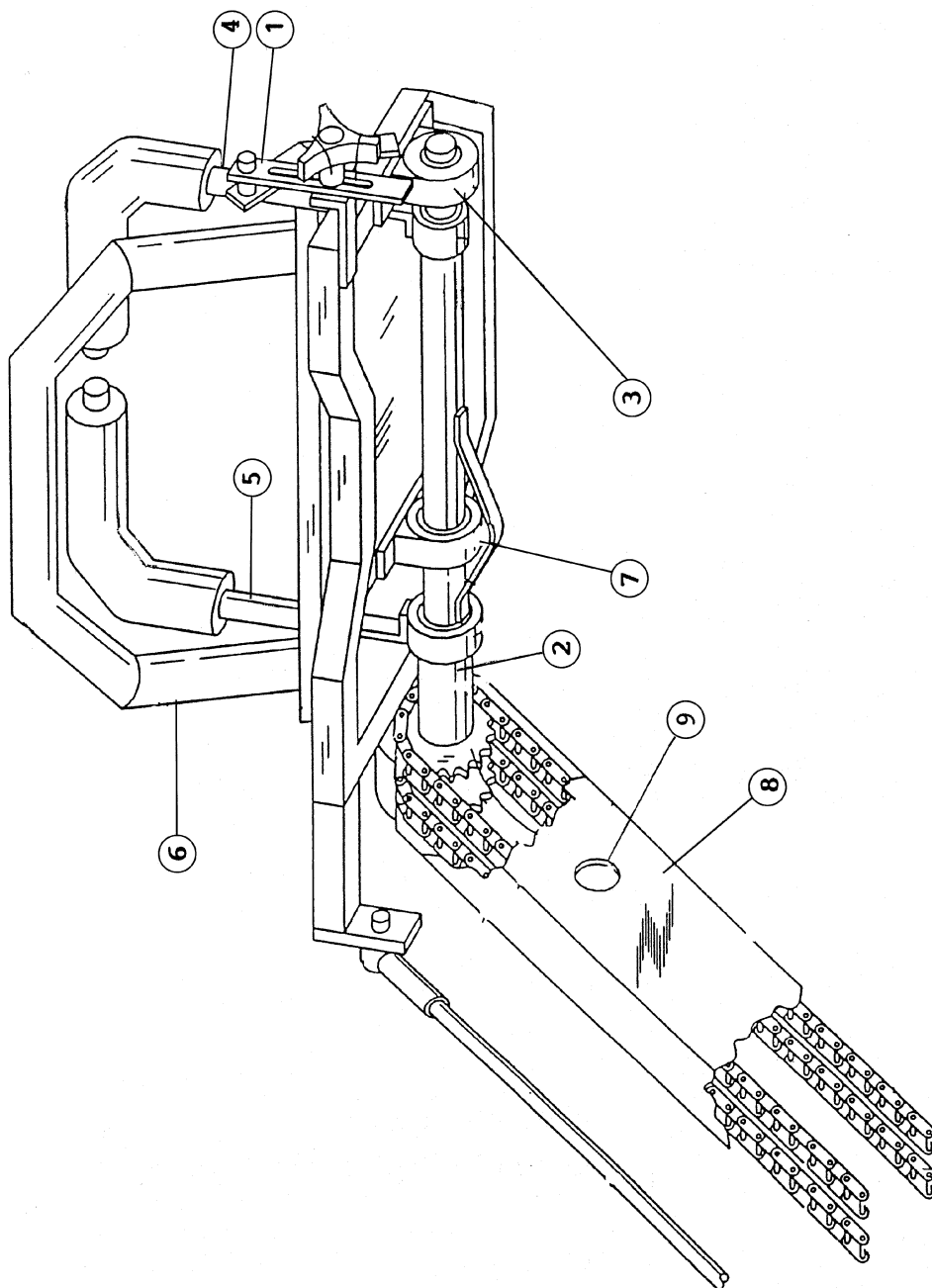


Figure 30

Parts List: Drawing G, Control Arm

Ref. #	Part #	Description
1.	10413	Speed Control Slide Plate
2.	11418	Upper Concentric Assembly
3.	10527	Control Head Bearing
4.	11402	Control Handle, Left
5.	11403	Control Handle, Right
6.	11412	Speed Bar Assembly
7.	10671	Pillow Block Bearing
8.	10427	Control Arm Shield
9.	10548	Rubber Grommet

Drawing H: Control Panel

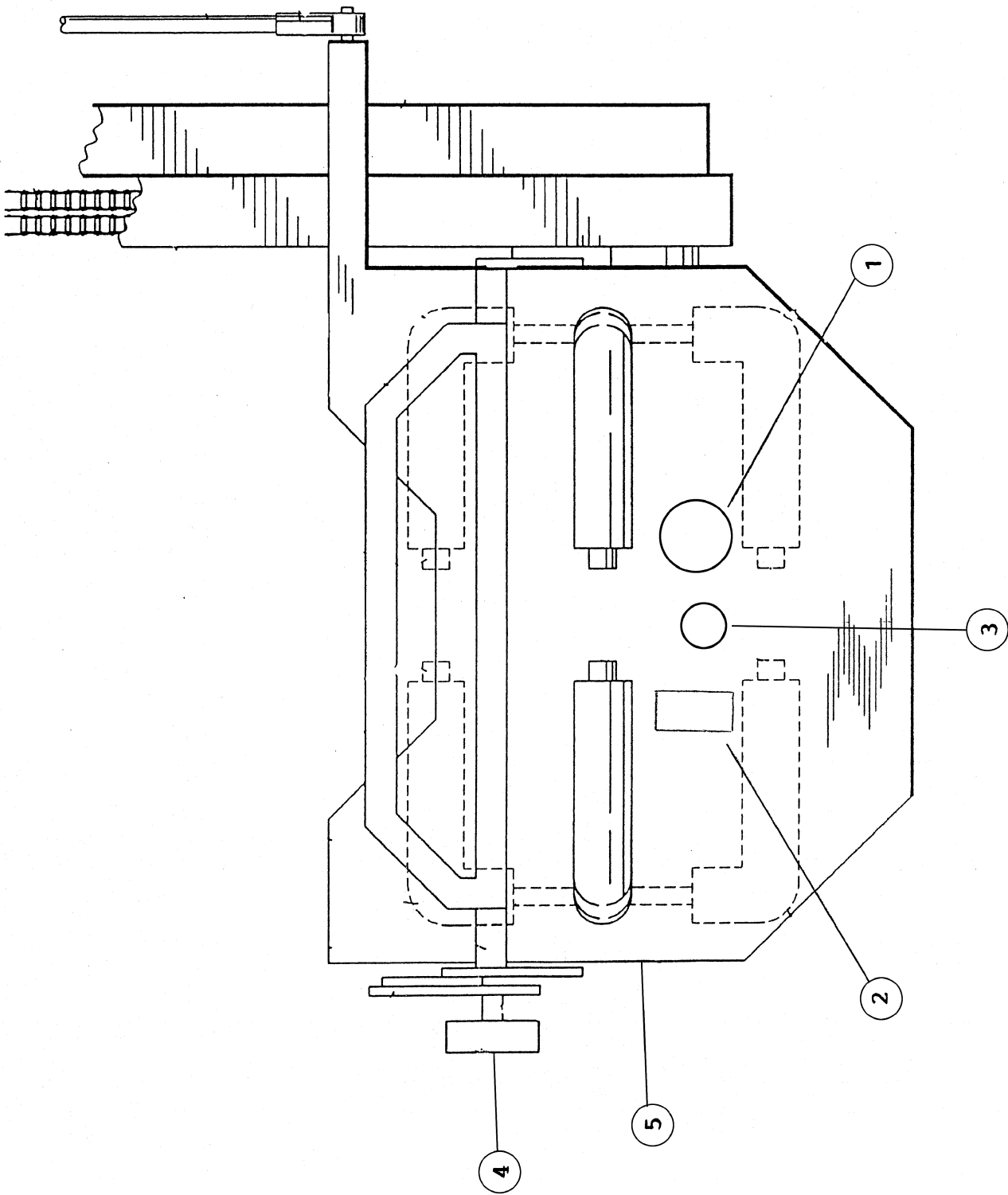


Figure 31

Parts List: Drawing H, Control Panel

Ref. #	Part #	Description
1.	10555	Ignition Switch
2.	10559	Toggle Switch
3.	11570	Operator Present Control
4.	10569	Speed Control Knob
5.	11407	Control Panel

Drawing I: 48" Deck

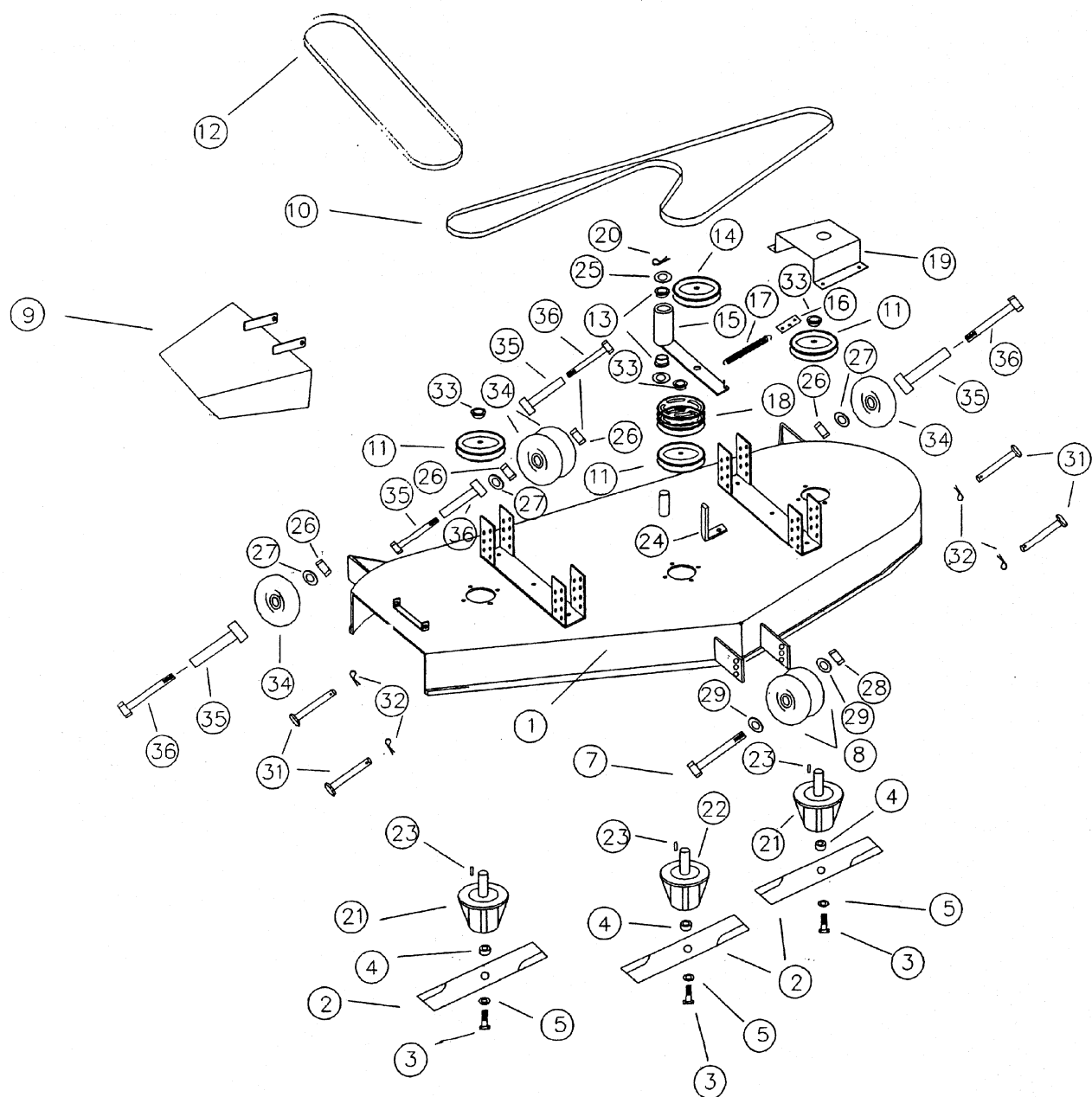


Figure 32

Parts List: Drawing I, 48" Deck

Ref. #	Part #	Description
1.	11481	48" Leveling Deck
2.	10558-48	16" Blade 5/8" Hole
3.	10616	5/8" x 2" Blade Bolt
4.	10612	5/8" Blade Spacer
5.	70084	5/8" Split Washer
7.	70078	1/2" x 8" HCS
8.	10563	Anti-Scalp Wheel (1/2" ID)
9.	11315	Discharge Deflector
10.	10542-48	48" Deck Belt
11.	10514	Spindle Pulley
12.	10543-61	Engine to Deck Belt
13.	10529	1" Bronze Bushing
14.	10510	Deck Idler Assembly
15.	11118	Idler Assembly
16.	10157	Spring Extension Flag
17.	10564	Deck Spring
18.	10614	48" Top Pulley
19.	103115	48" Belt Guard
20.	10570	Cotter Pin
21.	10508-48	Left & Right Deck Spindle, 2", 5/8" Hole
22.	10509-48	Center Deck Spindle, 3", 5/8" Hole
23.	70071	1/4" x 1-1/2" Key Stock
24.	10327	Deck Belt Guide
25.	70064	1" ID Mach. Bushing
26.	70054	3/8" -16 Center Lock Nut
27.	70045	3/8" Split Washer
28.	70035	1/2" -13 Nylock
29.	70041	1/2" Flat Washer
31.	10579	Clevis Pin
32.	10572	Hitch Clip Pin
33.	10605	Taper Pulley Bushing
34.	10647	Anti-Scalp Wheel (5/8" ID)
35.	106046	Anti-Scalp Bushing
36.	70012	3/8" x 4" Hardened Bolt

Drawing L: Deck Spring Assembly

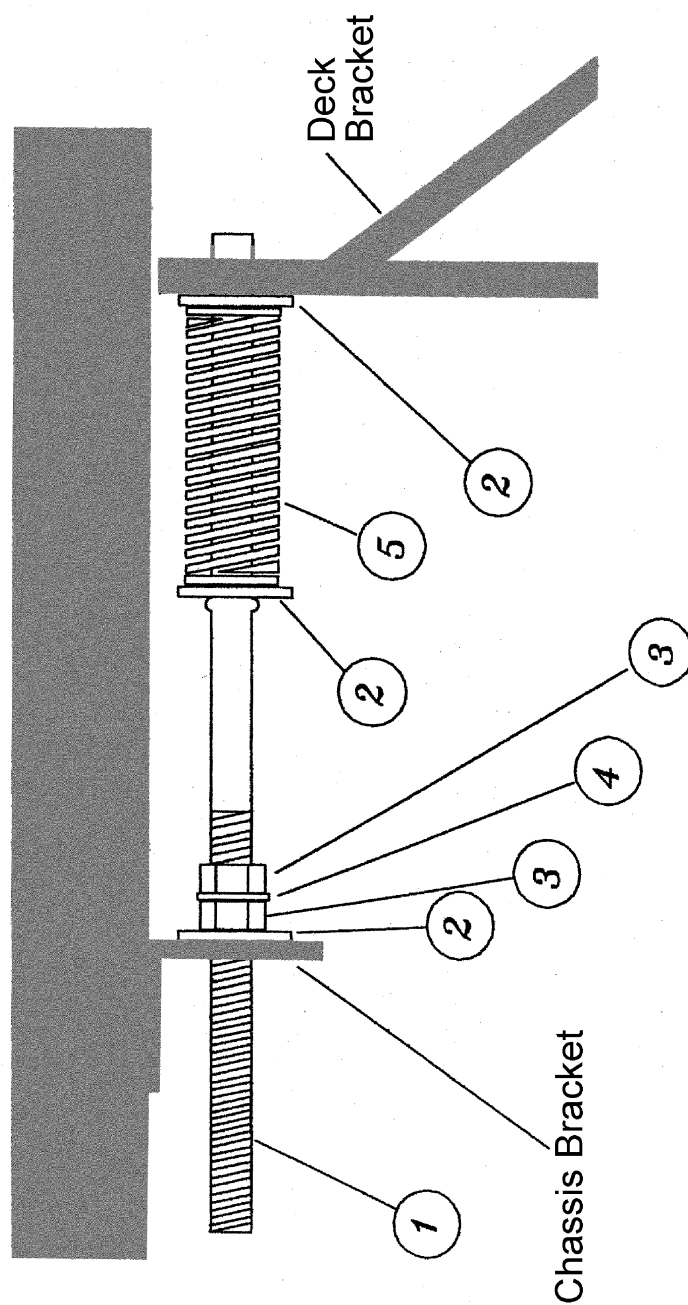


Figure 33

Parts List: Drawing L, Deck Spring Assembly

Ref. #	Part #	Description
1.	10650	Deck Adjusting rod
2.	70117	7/16" Flat Washer
3.	70051	1/2" Hex Nut
4.	70047	1/2" Lock Washer
5.	10567	Deck Drive Spring

Drawing M: Spindle Assembly

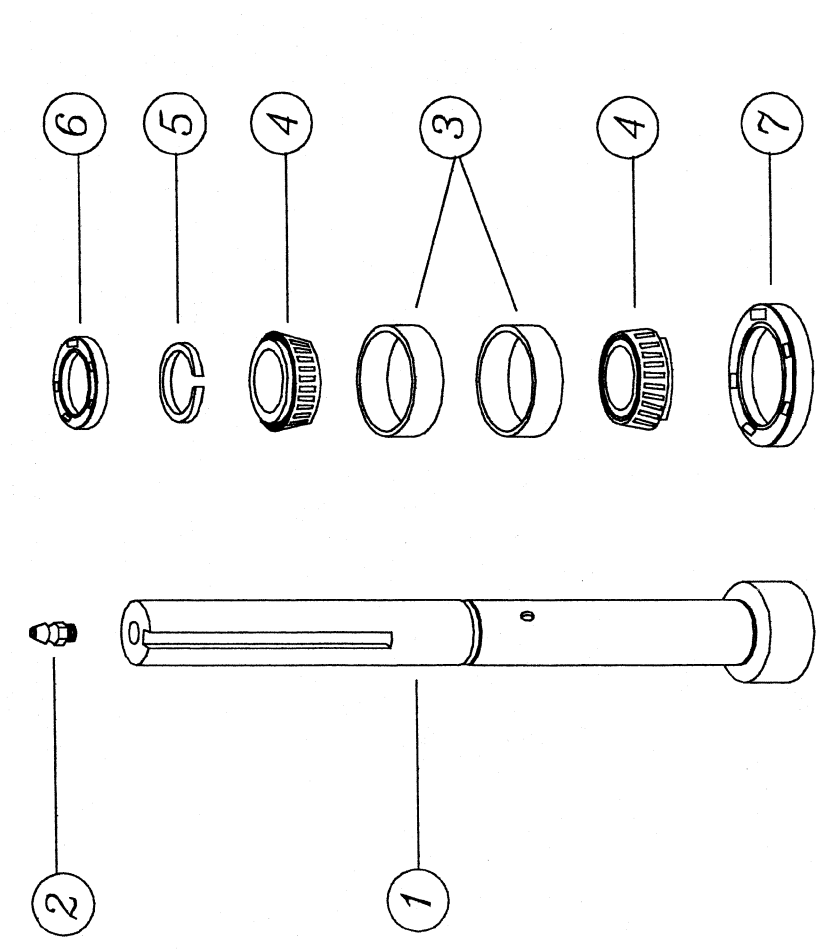


Figure 34

Parts List: Drawing L, Deck Spring Assembly

Ref. #	Part #	Description
1.	65009	2" Spindle Shaft, 1/2" Hole
1.	65009-48	2" Spindle Shaft, 5/8" Hole
1.	65012	3" Spindle Shaft, 1/2" Hole
1.	65012-48	3" Spindle Shaft, 5/8" Hole
2.	10618	Grease Zerk
3.	65010	Bearing Cup
4.	65011	Bearing Cone
5.	65013	Retaining Ring
6.	65014	Seal, Upper
7.	65025	Seal, Lower

Drawing O: Front Caster Assembly

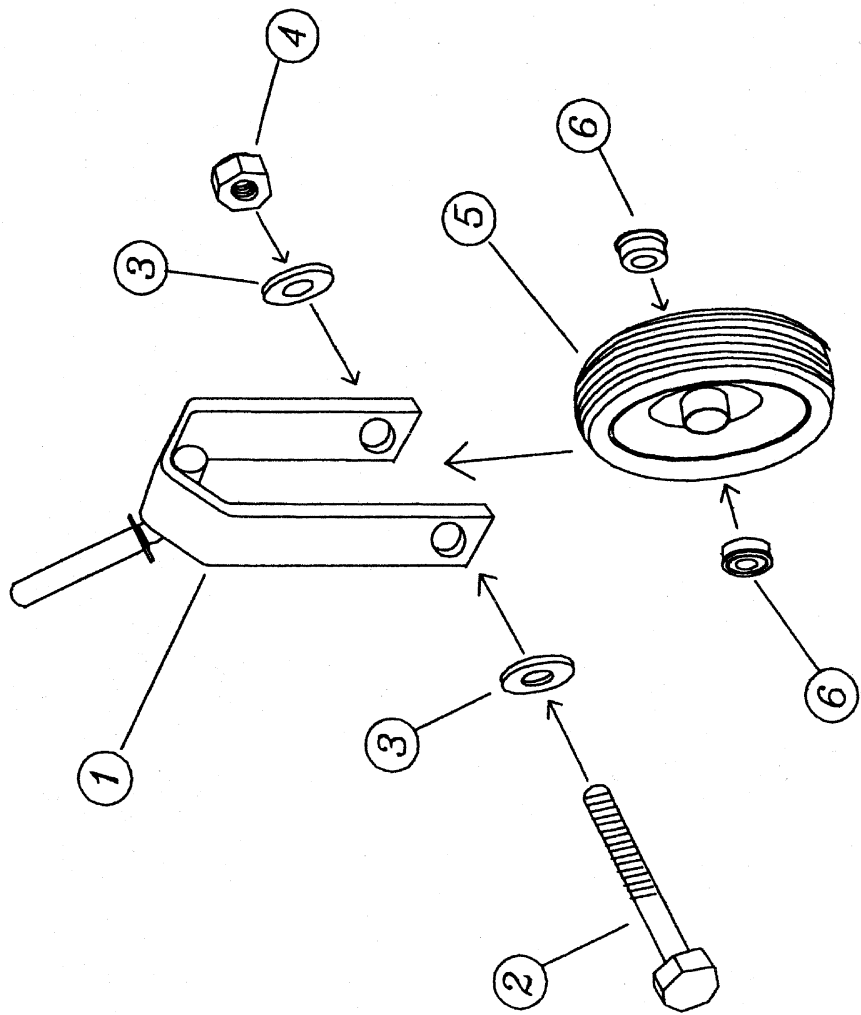
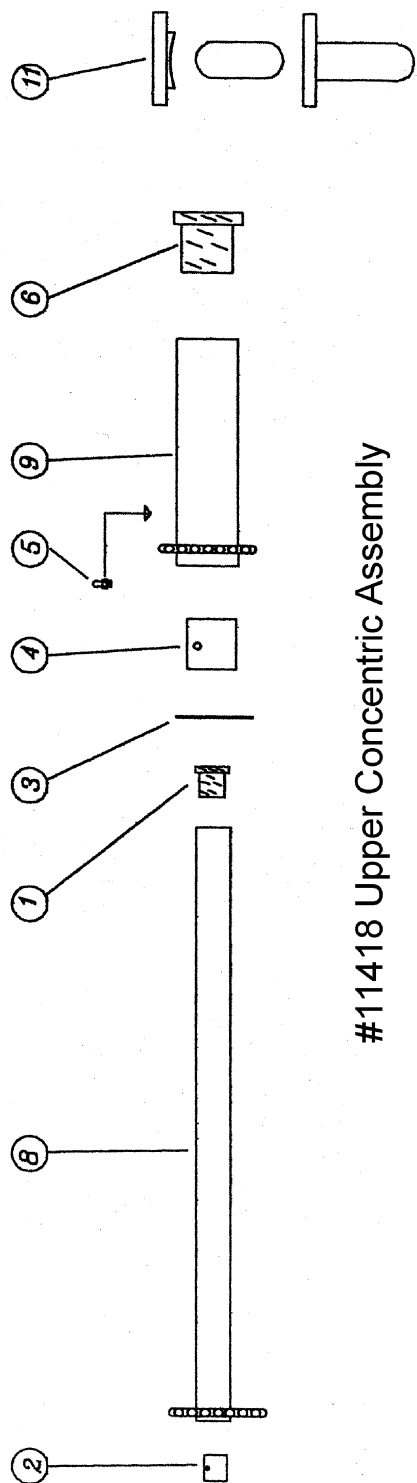


Figure 35

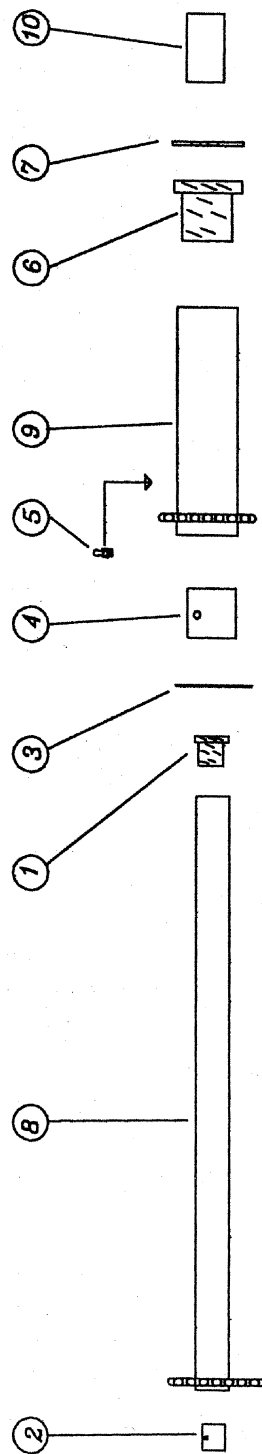
Parts List: Drawing O, Front Caster Assembly

Ref. #	Part #	Description
1.	11124	Caster Yoke
2.	10615	Caster Bolt
3.	70042	5/8" Flat Washer
4.	70036	5/8" Nylock
5.	10517	Front Tire Assembly
6.	65015	Replacement bearings

Drawing P2: Concentric Assembly



#111418 Upper Concentric Assembly



#111420 Lower Concentric Assembly

Figure 36

Parts List: Drawing P2, Concentric Assembly

Ref. #	Part #	Description
1.	10529	1" Bronze Bushing
2.	10531	1" N Needle Bearing
3.	70066	1-1/2" Machine Bushing
4.	10532	1-1/2" Needle Bearing
5.	10617	5/16" Drive Fitting
6.	10530	1-1/2" Bronze Bushing
7.	70074	1-1/2" Snap Ring
8.	11426	Inner Lower/Upper Concentric Tube
9.	11427	Outer Lower/Upper Concentric Tube
10.	11428	Lower Concentric Spacer
11.	10671	Concentric Pillow Block

Drawing Q2: Control Arm Assembly

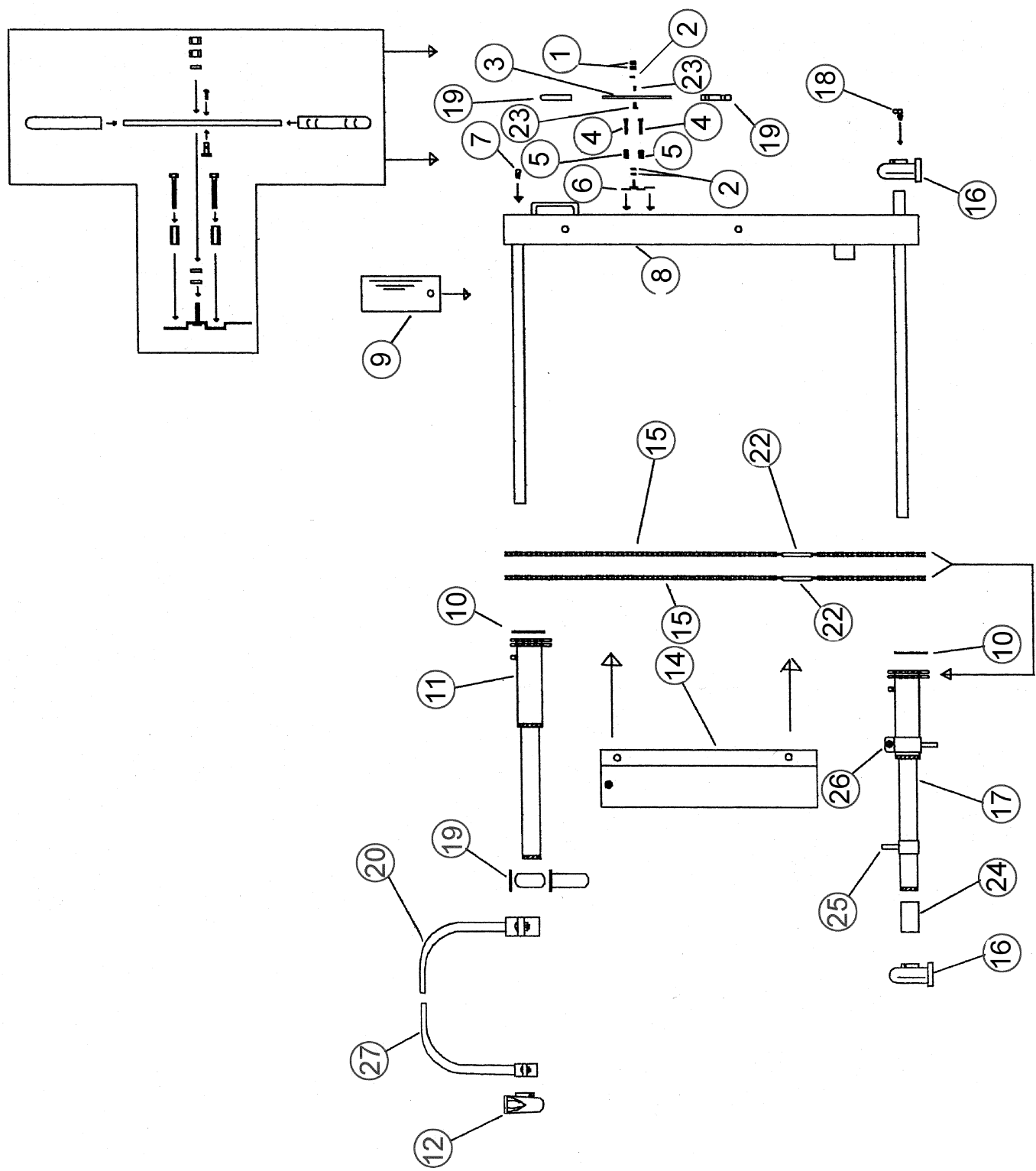


Figure 37

Parts List: Drawing Q2, Control Arm Assembly

Ref. #	Part #	Description
1.	70032	1/4"-20 Hex Nut
2.	70105	1/4" Plastic Washer
3.	11422	Throttle Handle
4.	70013	1/4"-20 x 1" HCS
5.	70009	1/4" ID Spacer
6.	11423	Throttle Cable Mount
7.	70082	1/8" Pipe fitting
8.	11417	Control Arm Assembly
9.	10428	Control Shield End Bracket
10.	70064	1" x 1-1/2" Machine Bushing
11.	11418	Upper Concentric Assembly
12.	10527	Control Head Bearing
13.	10671	Concentric Pillow Block
14.	10427	Control Arm Shield
15.	10535	Chain 77"
16.	10526	Main Arm Bearing
17.	11420	Lower Concentric Assembly
18.	70883	1/8" 90 degree Fitting
19.	11440	Throttle/Brake Grip
20.	11403	Control Handle Right
21.	11402	Control Handle Left
22.	10577	Turnbuckle
23.	10656	Throttle Wire Swivel
24.	11428	Lower Concentric Spacer
25.	11424	Concentric Clamp, Small
26.	11425	Concentric Clamp, Large

Drawing R: Hydro Pump Assembly

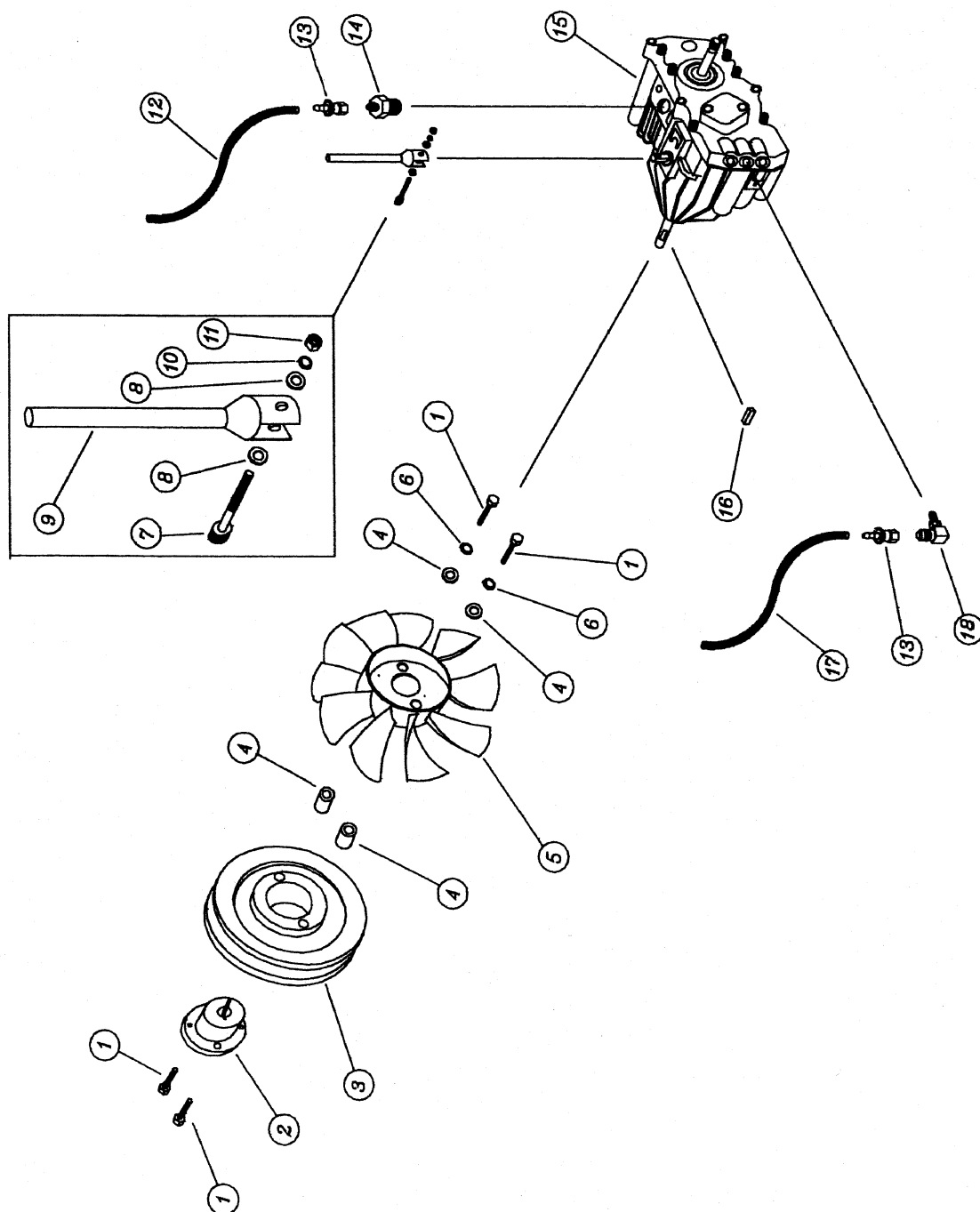


Figure 38

Parts List: Drawing R, Hydro Pump Assembly

Ref. #	Part #	Description
1.	70010	1/4" -20 x 3/4" HCS
2.	10645	Hydro Pulley Bushing
3.	10512	Hydro Drive Pulley
4.	70038	1/4" Flat Washer
5.	10545	Hydro Fan
6.	70043	1/4" Split Washer
7.	70057	5mm Soc Cap Screw
8.	70058	5mm Flat Washer
9.	10141	Hydro Cam Shaft
10.	70059	5mm Split Washer
11.	70060	5mm Nylock
12.	10597	10-1/2" Hydro Hose
13.	10523	Hydro Fitting Push-on
14.	10539	Hydro Fitting Charge
15.	10503R	Right Hydro Pump
16.	70069	3/16" x 1" Key Stock
17.	10598	12" Hydro Hose
18.	10538	Hydro Fitting Suction
19.	10162	Hydro Pulley Spacer

Drawing S: Pump/Transmission Assembly

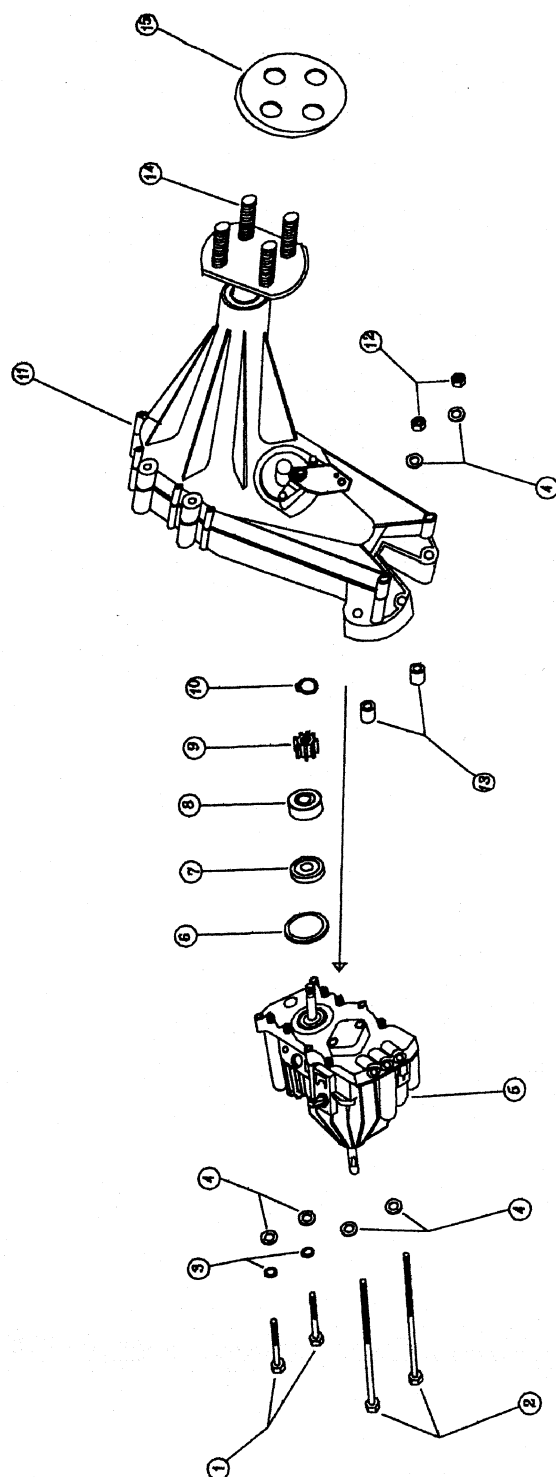


Figure 39

Parts List: Drawing S, Pump/Transmission Assembly

Ref. #	Part #	Description
1.	70018	5/16" x 2" HCS
2.	70020	5/16" x 7-1/2" HCS
3.	70044	5/16" split washer
4.	70039	5/16" flat washer
5.	10503L	Left Hydro Pump
	10503R	Right Hydro Pump
6.	50267	O-Ring
7.	44355	Bearing Spacer
8.	44232	Bearing
9.	44353	Gear
10.	44354	Snap Ring
11.	10504L	Left Hydro Gearbox
	10504R	Right Hydro Gearbox
12.	70033	5/16" Nylock Nut
13.	23749	Mounting Spacer
14.	80101	Lug Bolt
15.	10161	Rear Wheel Spacer

Drawing T2: Seat Assembly

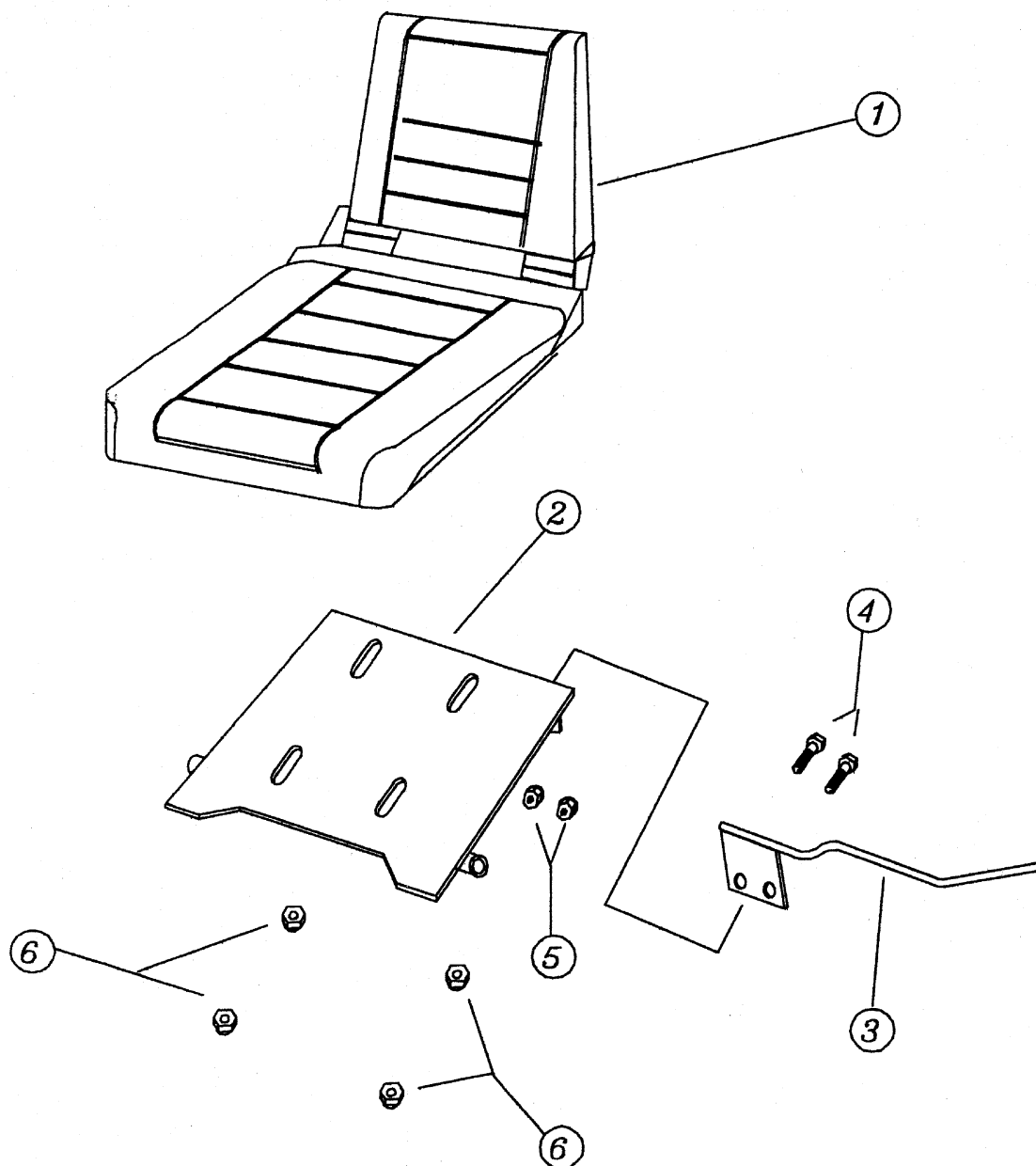


Figure 40

Parts List: Drawing T2, Seat Assembly

Ref. #	Part #	Description
1.	11701	Seat Assembly
2.	11212	Seat Plate
3.	11213	Seat Support Handle
4.	70122	3/8" x 3/4" HCS
5.	70123	3/8" Wiz lock nut
6.	70033	5/16" Nylock Nut



Parts List: Drawing U, Light Kit Assembly

Ref. #	Part #	Description
1.	11209	Head Lamp
2.	*****	Plastic Toggle Nut
3.	*****	Light Pivot Bracket
4.	11221	Light Bracket Assembly
5.	11222	Toggle Switch
6.	*****	5/16-18 Wiz Lock Nut
7.	70018	5/16" -18 x 2" HCS
8.	70039	5/16" Flat Washer
9.	70033	5/16" -18 Nylock
10.	10200	Frame, Seat Pedestal
A	11209	Light
B	*****	Connecting Lead
C	*****	Dual Connecting Lead
D	*****	Ground Wire
E	11222	Toggle Switch
F	*****	Positive Wire Lead
G	10546	Battery
H	*****	Ground Wire

All the above parts are included in the light kit #1110 with the exception of #10546 & #10200

Drawing W: Hydro Dump Handle Assembly

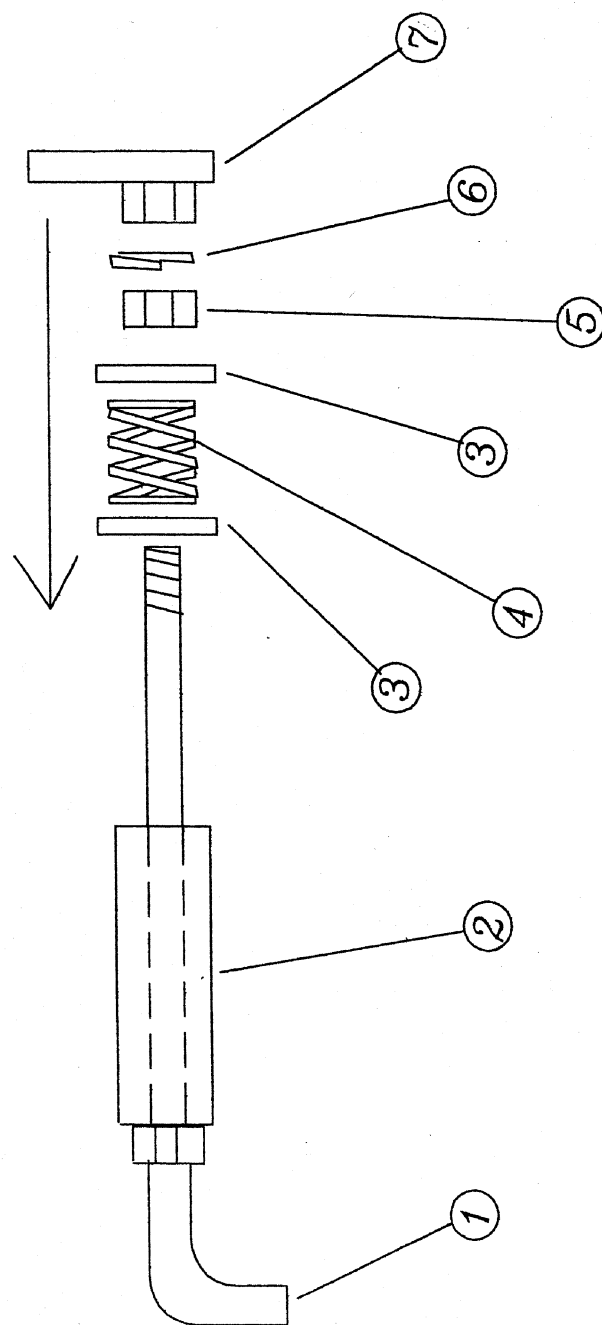


Figure 42

Parts List: Drawing V, Hydro Dump Handle Assembly

Ref. #	Part #	Description
1.	11172	Hydro Dump Handle
2.	11100	Convertible Chassis
3.	70039	5/16" Flat Washer
4.	11174	Spring, Hydro Lock Out
5.	70049	5/16" -18 Hex Nut
6.	70044	5/16" Split Washer
7.	11171	Hydro Dump Foot

Drawing W: Hydro Dump Handle Position

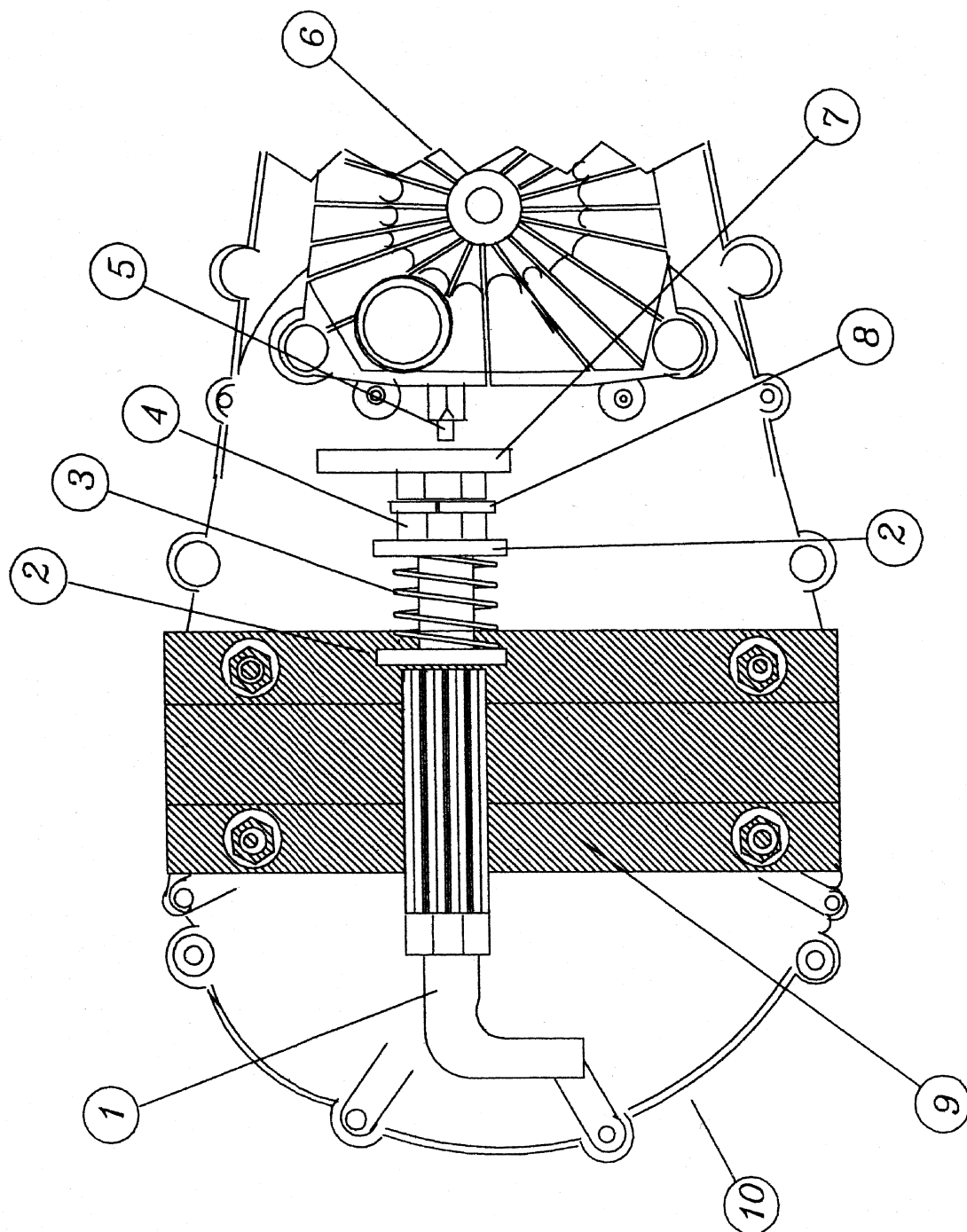


Figure 43

Parts List: Drawing V, Hydro Dump Handle Position

Ref. #	Part #	Description
1.	11172	Hydro Dump Handle
2.	70039	5/16" Flat Washer
3.	11174	Spring, Hydro Lock Out
4.	70049	5/16" -18 Hex Nut
5.	N/A	Dump Valve on Pump
6.	10503R	Right Hydro Pump
7.	11171	Hydro Dump Foot
8.	70044	5/16" Split Washer
9.	11100	Convertible Chassis
10.	10504R	Right Hydro Gearbox

Drawing X2: Arm Rest Assembly

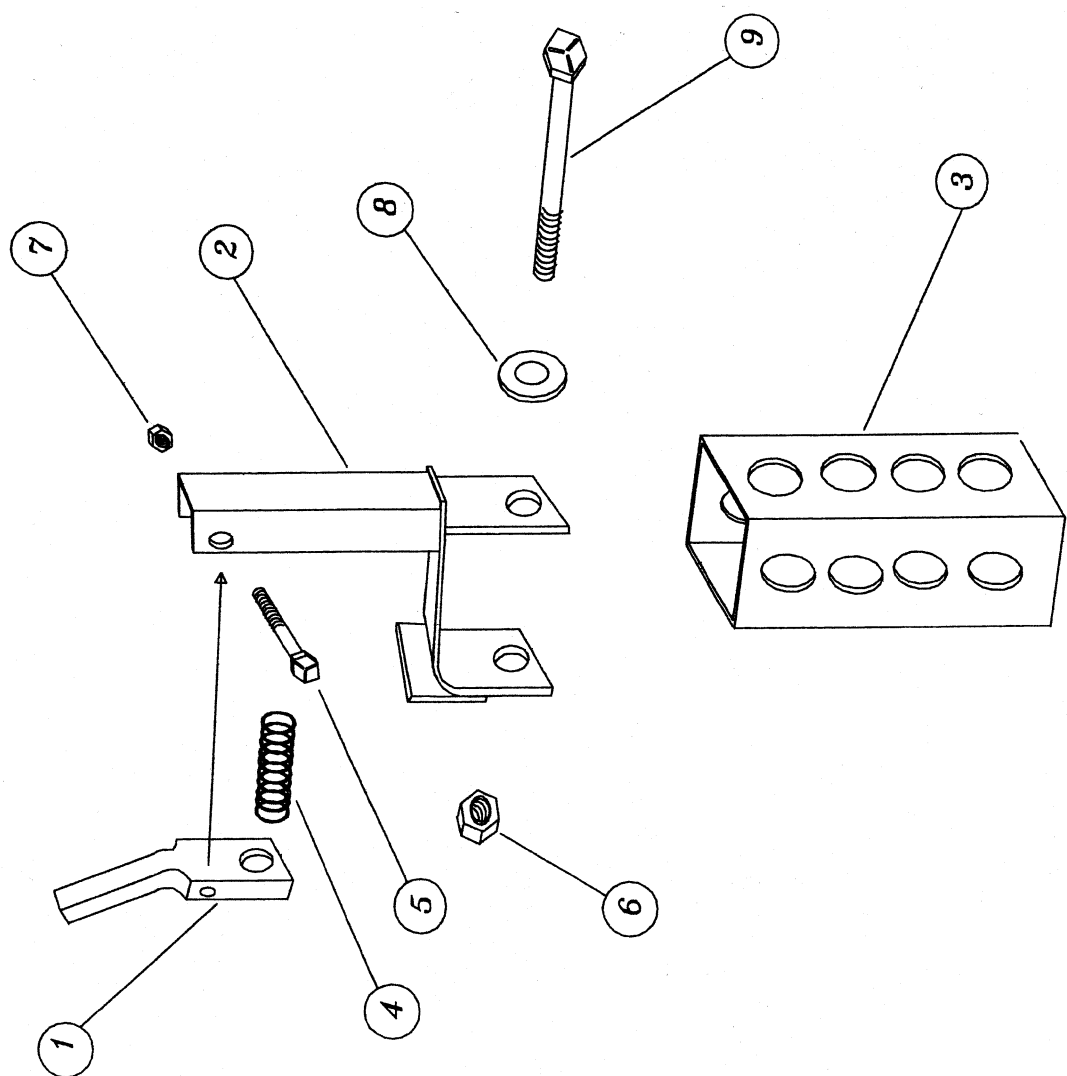


Figure 44

Parts List: Drawing X2, Arm Rest Assembly

Ref. #	Part #	Description
1.	11523	Control Arm Latch
2.	11520	Control Arm Latch Housing
3.	10436	Control Rest Tube
4.	11174	Spring Lock Out
5.	70139	1/4" -20 x 1-3/4" HCS
6.	70034	3/8" -18 Nylock
7.	70032	1/4" -20 Nylock
8.	70040	3/8" Flat Washer
9.	70023	3/8" -18 x 3" HCS

Daily Checklist for the DR[®] CONVERTA MOWER[™]

To help maintain your DR[®] for optimum performance, we recommend you follow this checklist each time you use your machine.

- ✓ **GAS:** Fill the fuel tank with clean, fresh, unleaded gas.
- ✓ **ENGINE OIL:** Check the oil level with the dipstick and add more if necessary (only add oil to the level indicated on the dipstick—do not overfill).
- ✓ **HYDRAULIC OIL:** Check the hydraulic oil level.
- ✓ **SPARK PLUG:** Clean the spark plug and replace if needed.
- ✓ **AIR FILTER:** A clean air filter will mean a much easier-starting and better running engine. You should replace the paper air filter after every 25 hours of use, more frequently if you are mowing in dusty conditions.
- ✓ **OPERATOR PRESENCE CONTROL:** Be sure the operator presence control is working properly.
- ✓ **GENERAL EQUIPMENT:** Check the condition of the belts, blades, and other components.



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