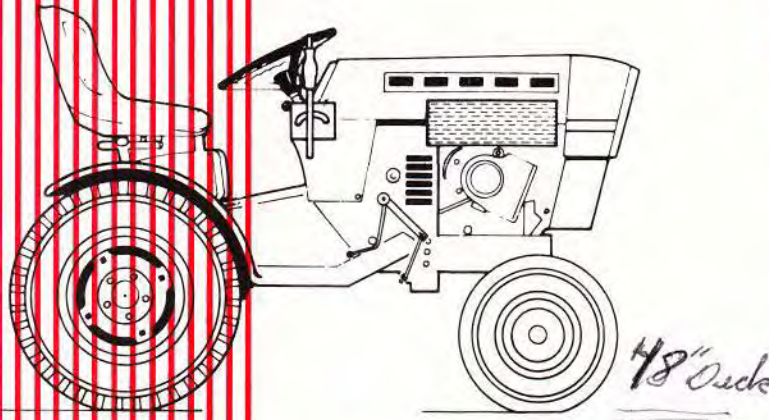


Sears

**MODEL NO.
917.257070**



OWNER'S MANUAL

18 H.P. TWIN HYDRO GARDEN TRACTOR

**Assembly
Maintenance**

**Operation
Repair Parts**



**IMPORTANT:
READ RULES FOR
SAFE OPERATION
AND INSTRUCTIONS
CAREFULLY**



CONGRATULATIONS on your purchase of a Sears 18 H.P. Twin Hydro Garden Tractor. It has been designed, engineered and manufactured to give you dependability and performance. Should you experience any problem you cannot easily remedy, please contact your nearest Sears, Roebuck and Co. or Simpsons Sears Limited store. They have competent, well-trained technicians and the proper tools and parts to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble, operate and maintain your Tractor properly. Always observe the "RULES FOR SAFE OPERATION".

YOUR NEW SEARS GARDEN TRACTOR FEATURES . . .

OPPOSED-PISTON, FOUR CYCLE, TWIN-CYLINDER 18 H.P. ENGINE--to run smoothly and quietly with plenty of power to take on a variety of yard, gardening or snow removal tasks.

SAFETY INTERLOCK SYSTEM--allows engine to start only when Drive Control Lever is in neutral and Attachment Clutch Pedal is in "OFF" position.

AUTOMATIC TRANSMISSION--means no gearshifting and no clutching. Regulate tractor speed and direction with the Drive Control Lever. Move lever forward from neutral to increase forward speed. Move Lever rearward to back tractor and regulate backward speed.

SERVICE HOUR METER--lets you know at a glance, when maintenance is due.

CONTROL PANEL--with Throttle, Choke, Light Switch, Ignition Switch, Service Hour Meter and Power Assist Lift Switch for Three Point Hitch conveniently grouped for ease of use.

ATTACHMENT VERSATILITY--handles a large variety of Sears Yard and Garden Tractor Attachments including . . .

42 AND 48 INCH MOWERS with three "high-lift" blades to lift grass up for level cuts.

LITTER WHISK LAWN SWEEPER is more efficient than conventional lawn sweepers because of its wheel-less design; only the rotary brush touches the ground.

SELF POWERED ROTO-TILLER prepares soil for new lawns and gardens with a 30 or 38 inch wide tilling path. OTHER SOIL TILLAGE ATTACHMENTS including Plow, Disc Harrow, Drag Harrow and Cultivator.

CHEVRON TIRES for added traction in loose soil, gravel or snow.

SNOW BLOWER handles wet, heavy or powdery snow with ease.

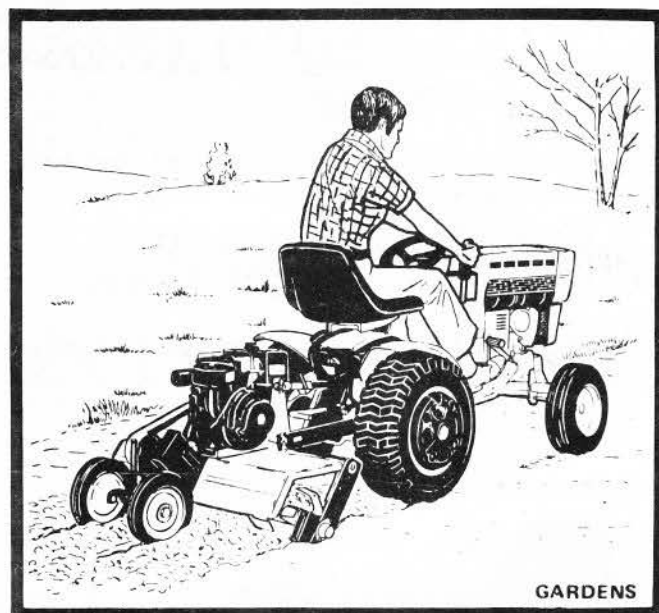


TABLE OF CONTENTS

WARRANTY	1	MAINTENANCE INSTRUCTIONS	6
RULES FOR SAFE OPERATION	1	TROUBLE SHOOTING	13
ASSEMBLY INSTRUCTIONS	2	REPAIR PARTS	14
OPERATION INSTRUCTIONS	4		

FULL ONE YEAR WARRANTY ON ELECTRIC START GARDEN TRACTOR

For one year from the date of purchase, when this Garden Tractor is used for personal household purposes, Sears will repair any defect in material or workmanship in this Garden Tractor, except the battery, at no charge. If this Garden Tractor is used for commercial or rental purposes, this warranty applies for only 30 days from the date of purchase.

FULL 90-DAY WARRANTY ON BATTERY

For 90 days from the date of purchase, if any battery included with the Garden Tractor proves defective in material or workmanship and will not hold a charge, Sears will replace the battery, at no charge.

LIMITED WARRANTY ON BATTERY

From the 91st day until one year from the date of purchase, if any battery included with the Garden Tractor proves defective in material or workmanship and will not hold a charge, Sears will replace the battery, charging 1/12th of the price of the new battery for each full month from the date of purchase.

Warranty service is available at your home, at no charge, by simply contacting the nearest Sears store or Service Center throughout the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

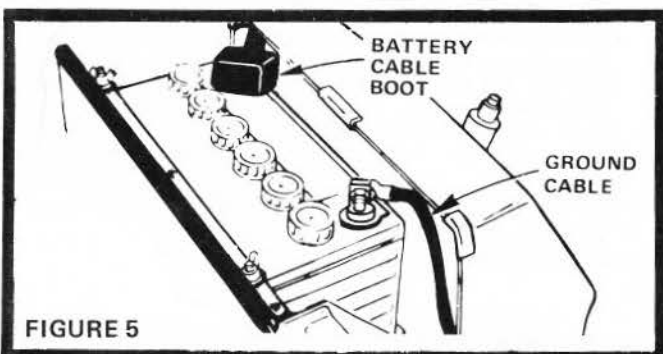
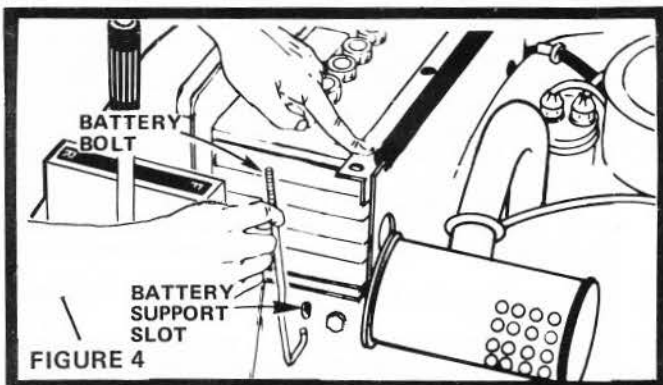
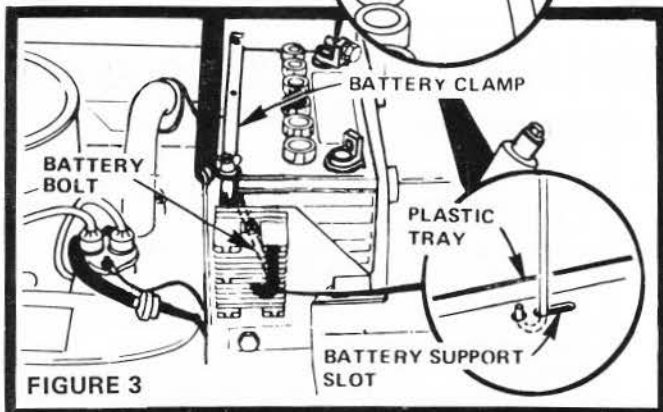
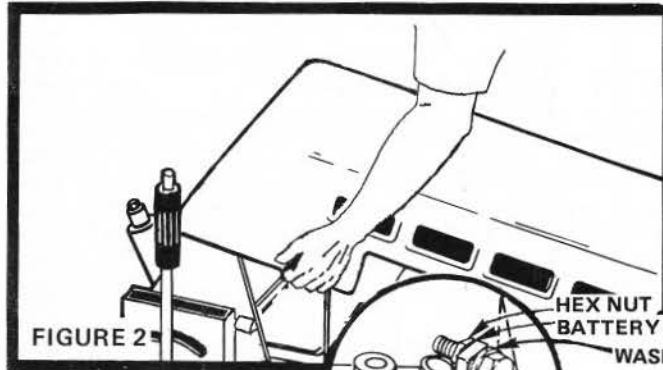
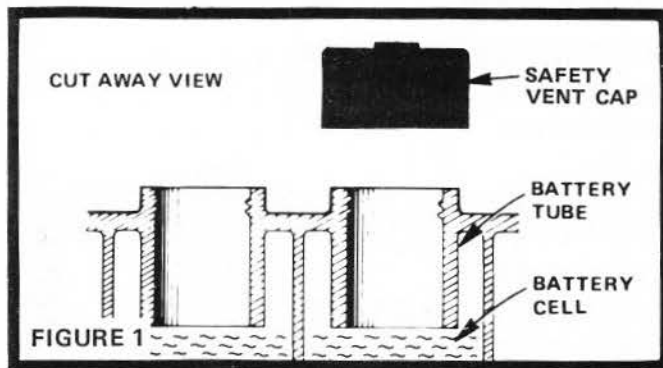
Sears, Roebuck and Co.
Sears Tower
BSC 41-3
Chicago, IL 60684

RULES FOR SAFE OPERATION

1. Know the controls and how to stop quickly. READ THE OWNER'S MANUAL.
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Clear the work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start the engine.
6. Disengage power to attachments and stop the engine before leaving the operator's position.
7. Disengage power to attachments and stop the engine before making any repairs or adjustments.
8. Disengage power to attachments when transporting or not in use.
9. Take all possible precautions when leaving the vehicle unattended, such as disengaging the power-take-off, lowering the attachments, shifting into neutral, setting the parking brake, stopping the engine, and removing the key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes (not greater than 15°); never across the face.
11. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in the terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
 - a. Use only approved drawbar hitch points.
 - b. Limit loads to those you can safely control.
 - c. Do not turn sharply. Use care when backing.
 - d. Use counterweights or wheel weights when suggested in this owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
16. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline containers.
 - b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.
 - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
18. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
20. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
 - a. Mow only in daylight or in good artificial light.
 - b. Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.
 - c. Shut the engine off when removing the grass catcher or unclogging chute.
 - d. Check the blade mounting bolts for proper tightness at frequent intervals.
24. Check the grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.



LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS -- ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.



To assemble and adjust your Tractor you will need: two 7/16", one 9/16" and one 3/4" Wrenches.

ASSEMBLY

1. Remove Shipping Wires, Battery, Steering Wheel and Bag of Parts.
2. Filling and charging Battery (before installing): NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.



WEAR EYE AND FACE SHIELD.

- a. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 1). NOTE: DO NOT OVERFILL. OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.



WASH HANDS OR CLOTHING IMMEDIATELY IF ACCIDENTALLY IN CONTACT WITH ELECTROLYTE.

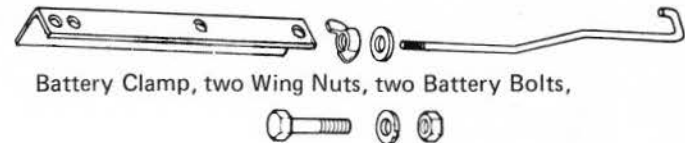
- b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Press Safety Vent Caps down securely in place.
- c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

- d. Neutralize excess electrolyte for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.

3. Install Battery using:



four Flat Washers, two Hex Bolts and two Hex Nuts found in Bag of Parts.

- a. Grasp each side of Hood at rear and pull outward and upward (Fig. 2).
- b. Remove tape from Plastic Tray. Position Plastic Tray so that drain hole in Tray is over round hole of Battery Support.
- c. Place Battery in Plastic Tray (Battery Terminals to rear of Tractor) (Fig. 3).
- d. Hook one Battery Bolt into slot on the left side of Battery Support (Fig. 3). Fasten Battery Clamp (inner slot) to Battery Bolt with a Flat Washer and Wing Nut.
- e. Hook remaining Battery Bolt to right side of Battery Support and fasten Battery Clamp to it with a Flat Washer and Wing Nut (Fig. 4). Tighten Wing Nuts securely.
- f. Place a Flat Washer over the end of a Hex Bolt. Secure RED Battery Cable to Positive (+) Battery Terminal with a Hex Bolt (Washer attached) and Hex Nut (Fig. 5). Tighten Nut securely. Place Boot over Terminal.



POSITIVE TERMINAL MUST BE CONNECTED FIRST TO PREVENT SPARKS FROM ACCIDENTAL GROUNDING.

- g. Place remaining Flat Washer over the end of the remaining Hex Bolt. Secure BLACK Ground Cable to Negative (-) Battery Terminal with Hex Bolt (Washer attached) and Hex Nut (Fig. 5). Tighten Nut securely.

4. Install Steering Wheel using: Flat Washer, Lockwasher, and Hex Bolt assembled on end of Steering Shaft; Woodruff Key, and Steering Wheel Insert found in Bag of Parts.
 - a. Remove Hex Bolt, Lockwasher and Flat Washer from Steering Shaft (Fig. 6).
 - b. Insert Woodruff Key in Keyway of Steering Shaft and slide Steering Wheel over Shaft and Key. NOTE: BE SURE WOODRUFF KEY IS SECURE IN STEERING SHAFT.
 - c. Fasten with Flat Washer, Lockwasher and Hex Bolt (Fig. 6). Tighten securely.
 - d. Press Steering Wheel Insert in place.

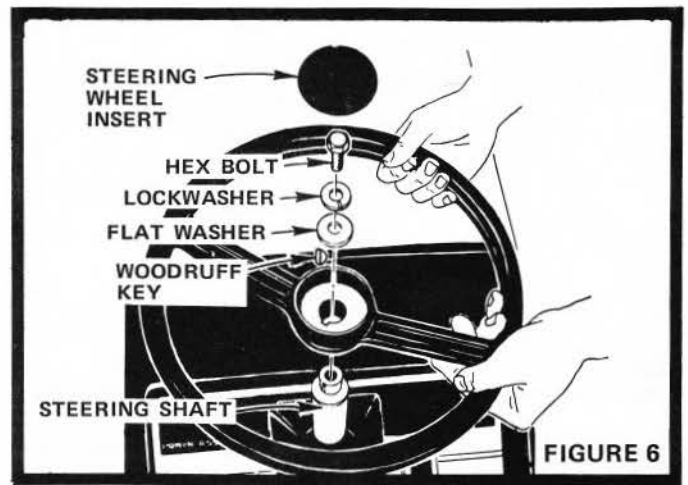


FIGURE 6

INITIAL ADJUSTMENTS

1. Reduce Tire pressure to 12 pounds in front and rear Tires. (Tires were overinflated for shipping purposes).
2. Seat position may be adjusted forward or backward by loosening Nut in Seat Plate (Fig. 7). NOTE WHEN RE-TIGHTENING NUT AFTER ADJUSTMENT, MAKE SURE SEAT PLATE HAS NOT TWISTED OUT OF ALIGNMENT WITH SEAT SPRING.
3. The By-Pass Valve Handle (Fig. 8) slides in and out, and rotates so that Handle will engage the notch in Rotating Plate. Moving the Handle up or down with Handle engaging notch will open or close By-Pass Valve.

The By-Pass Valve must be in closed position (rotate down tight) for tractor to operate with engine running. Index handle up at least four notches if it becomes necessary to push tractor with engine stopped.

NOTE: Do not force Valve.

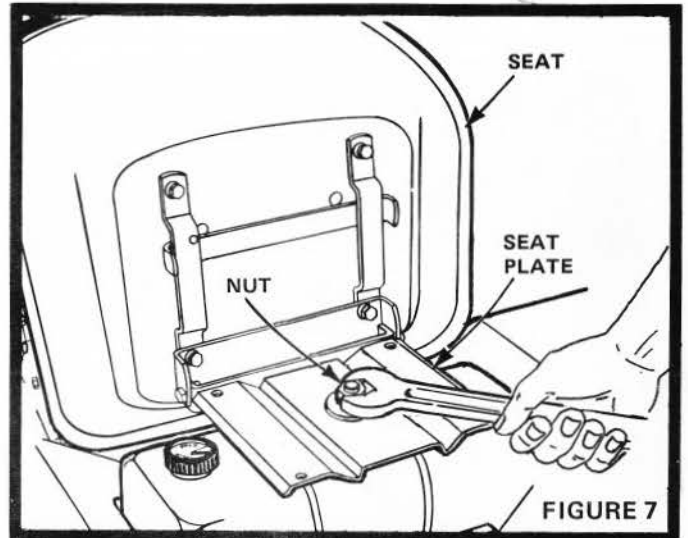


FIGURE 7

THIS TRACTOR IS EQUIPPED WITH SAFETY SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE ATTACHMENT CLUTCH PEDAL IS IN THE "ON" POSITION (FIG. 11) AND THE DRIVE CONTROL LEVER IS IN "F" FORWARD OR "R" REVERSE POSITIONS (FIG. 12).



IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

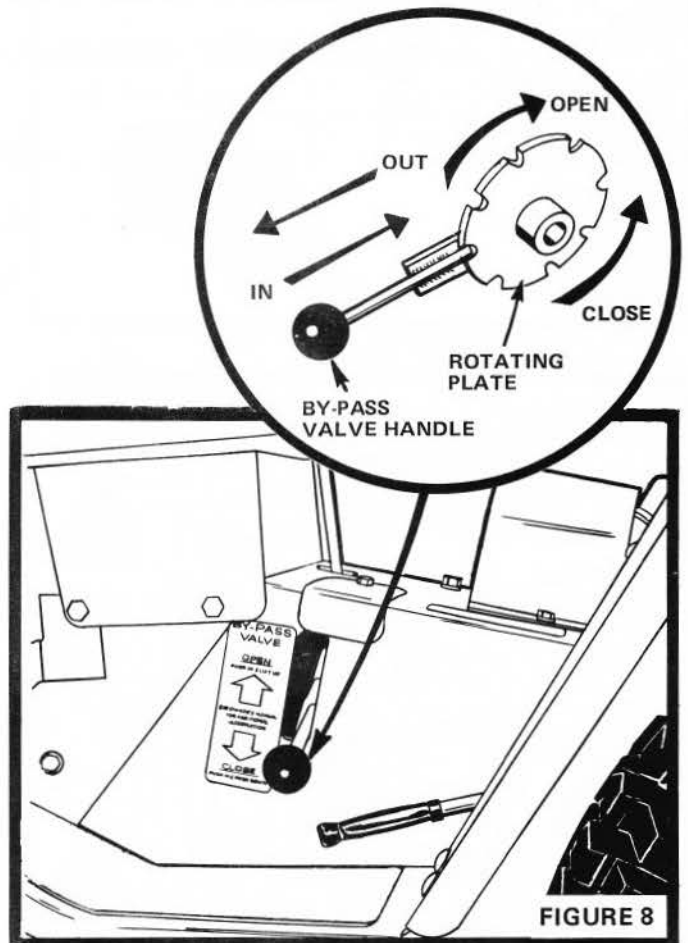


FIGURE 8

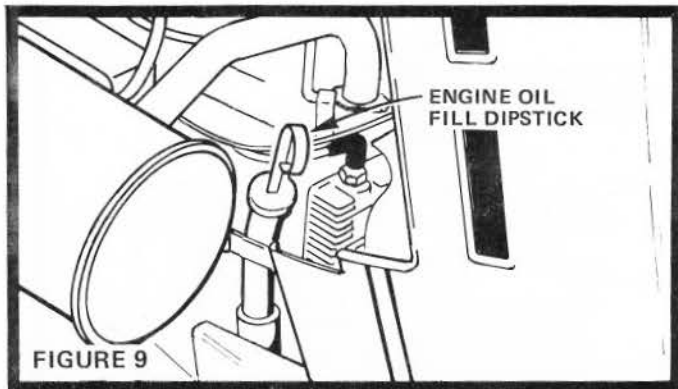


FIGURE 9

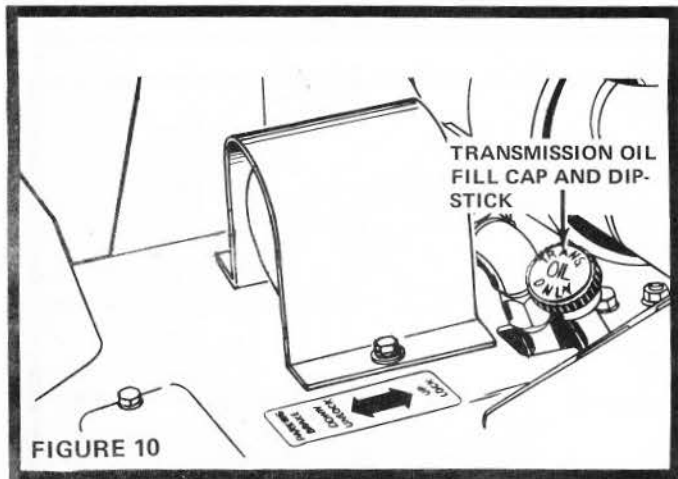


FIGURE 10

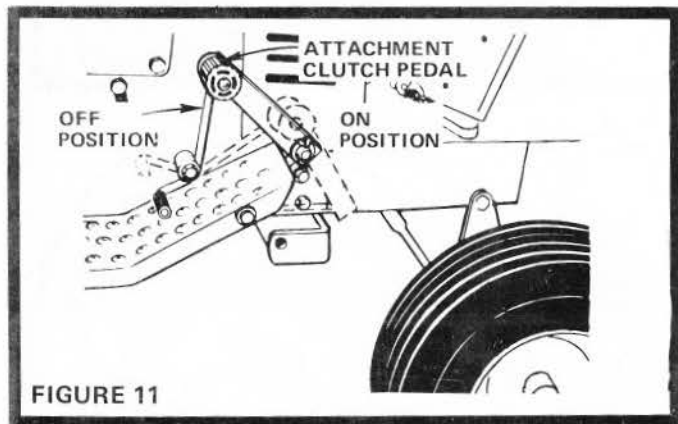


FIGURE 11

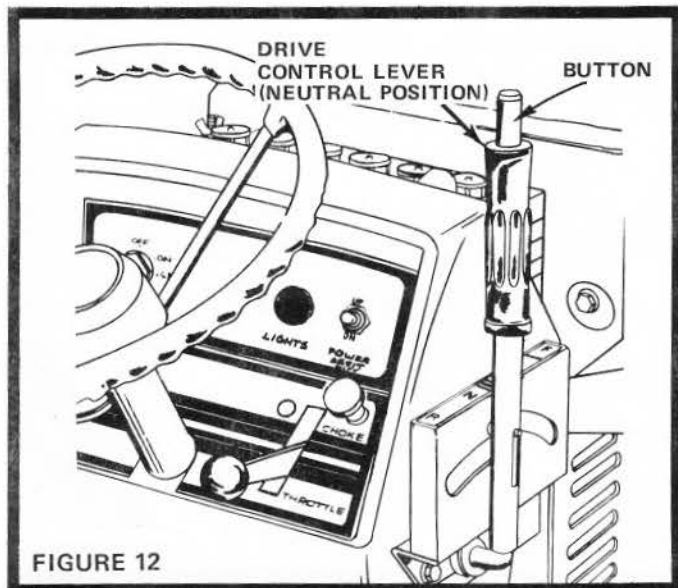


FIGURE 12

INITIAL SERVICE

NOTE: BE EXTREMELY CAREFUL NOT TO ALLOW DIRT OR FOREIGN PARTICLES TO ENTER THE HYDRAULIC SYSTEM OR ENGINE WHEN CHECKING OR ADDING OIL, HYDRAULIC FLUID OR FUEL.

1. Check Engine Oil Level with Tractor on level ground. Wipe dipstick (Fig. 9) clean, push it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD or SE). NOTE: DO NOT OVERFILL.
2. Check Hydrostatic Transmission Fluid Level (Fig. 10) with engine running and Drive Control Lever (Fig. 12) in neutral position. Add fluid if necessary to bring level up to "SAFE" mark on dipstick. NOTE: Cap and Dipstick must be screwed in tight to check fluid level. Do not fill above "SAFE" mark on dipstick. Use automatic transmission fluid "TYPE F" only.
3. Fill Fuel Tank (Fig. 13) with fresh regular grade lead-free or leaded gasoline. Capacity is 2 gallons. NOTE: DO NOT SWITCH FROM LEADED TO LEAD-FREE GASOLINE.



FILL TO BOTTOM OF GAS TANK FILLER NECK. DO NOT OVERFILL. WIPE OFF ANY SPILLED OIL OR FUEL.

OPERATION



DO NOT OPERATE THE MOWER WITHOUT EITHER THE ENTIRE GRASS CATCHER, ON MOWERS SO EQUIPPED, OR THE DEFLECTOR SHIELD IN PLACE.



CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
 - a. Shift transmission to neutral
 - b. Set parking brake
 - c. Disengage attachment clutch
 - d. Shut off engine
 - e. Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

STARTING THE ENGINE

1. Place Attachment Clutch Pedal in "OFF" position (Fig. 11).
2. Move Drive Control Lever to "N" neutral position (Fig. 12).
3. Move By-Pass Valve Handle to "CLOSE" position (Fig. 13).
4. Pull up on Parking Brake Handle to "LOCK" position (Fig. 13).

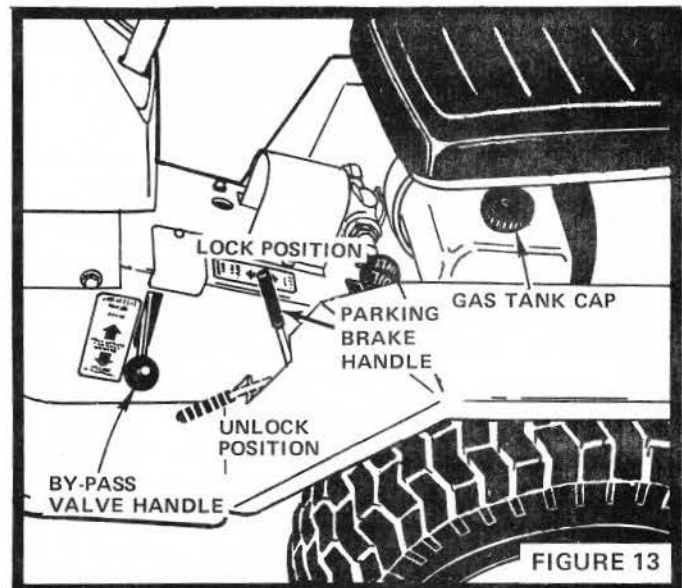


FIGURE 13

5. Push Clutch-Brake Pedal into "BRAKE" position (Fig. 14).
6. Move Throttle Control Lever to middle position (Fig. 15).
7. Pull Choke out (Fig. 15).
8. Turn Ignition Key to "START" position until Engine starts (Fig. 15). Release key into "ON" position.

NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN THIRTY SECONDS AT A TIME. If engine does not start after several attempts, move throttle Control Lever to "F" fast position, wait a few minutes, and try again.

NOTE: The Power Assist Lift Switch (Fig. 15) raises or lowers an attachment when used with an Electric Three Point Hitch (optional equipment).

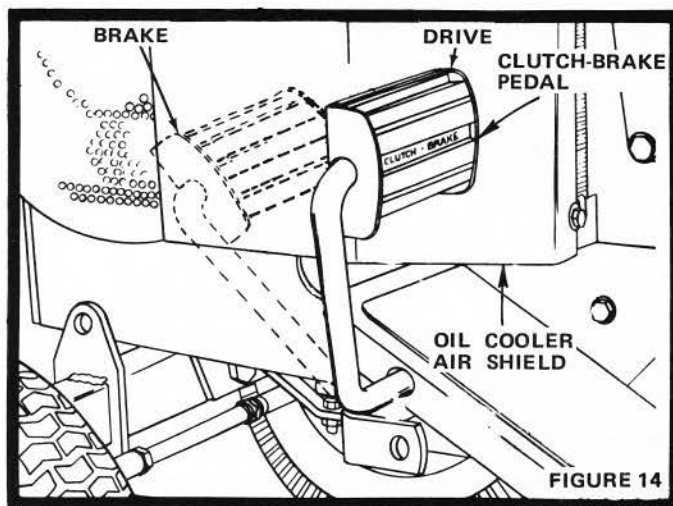


FIGURE 14

WARMING UP THE ENGINE

Move Throttle Control Lever to "S" slow position. Push Choke in as engine warms. NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE OPERATING.

When restarting a warm engine, move Throttle Control Lever in middle position, Choke may not have to be used.

ALWAYS WEAR SUBSTANTIAL FOOTWEAR AND AVOID LOOSE FITTING CLOTHING THAT COULD GET CAUGHT IN MOVING PARTS.



LEARN TO START, STOP AND REVERSE YOUR TRACTOR IN A LARGE, OPEN SPACE.

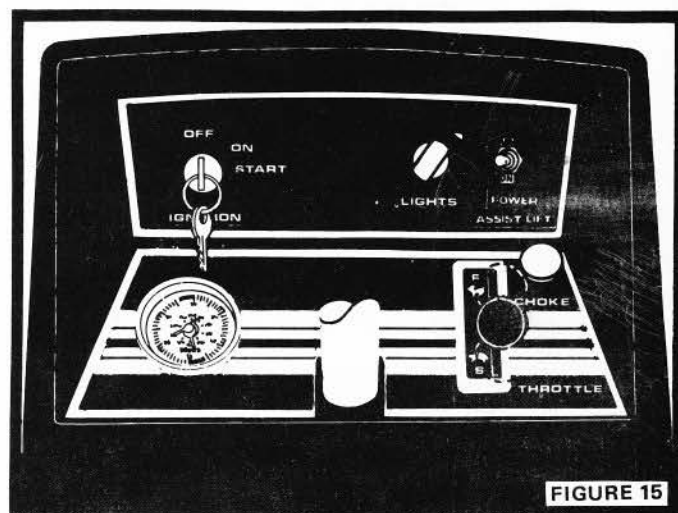


FIGURE 15

TRACTOR OPERATION

1. With engine running and warm, move Throttle Control Lever to middle position.
2. Push down on Parking Brake Handle to "UNLOCK" position.
3. Press Button (Fig. 12) on Drive Control Lever and slowly move Lever forward and tractor will begin to move.



THE DRIVE CONTROL LEVER IS SENSITIVE TO THE SLIGHTEST MOVEMENT. MOVE DRIVE CONTROL LEVER SLOWLY.

4. Adjust Throttle Control Lever to desired engine speed so that engine is not overloaded.

NOTE: Always operate power-driven equipment such as Rotary Mower, Snow Thrower, etc. at full Throttle speed unless otherwise specified in the attachment Owners Manual. Always select a safe ground travel speed that will suit the terrain and the attachment being used.

5. To back-up, return Drive Control Lever to "N" neutral position and tractor will stop. Reduce Throttle Control Lever to "SLOW" position, pull Drive Control Lever back slowly.



NEVER PLACE YOUR HANDS OR FEET IN OR UNDER ANY POWERED ATTACHMENT OR NEAR ANY MOVING PART WHILE TRACTOR OR ANY POWERED ATTACHMENT IS RUNNING.

STOPPING YOUR TRACTOR

1. Return Drive Control Lever to "N" neutral position.
2. Reduce Throttle Control Lever to "S" slow position.
3. Place Attachment Clutch Pedal in "OFF" position.
4. Place Parking Brake in "LOCK" position.



MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.

5. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

NOTE: USE CLUTCH-BRAKE PEDAL FOR EMERGENCY STOPS ONLY. FOR NORMAL STOPS, RETURN DRIVE CONTROL LEVER TO NEUTRAL BY HAND. DEPRESSING THE CLUTCH-BRAKE PEDAL HALF-WAY DECLUTCHES THE TRACTOR AS LONG AS THE PEDAL IS HELD IN THIS POSITION. WHEN FOOT IS REMOVED FROM PEDAL, TRACTOR WILL RETURN TO TRAVELING SPEED.



NEVER USE FOOT PEDAL AS A CLUTCH TO SLOW TRACTOR. ALWAYS PUSH CLUTCH-BRAKE PEDAL ALL THE WAY FORWARD SO THAT DRIVE CONTROL LEVER RETURNS TO NEUTRAL.

TRANSPORTING YOUR TRACTOR

TOWING IS NOT RECOMMENDED. As with any hydraulic power transmission, internal damage can result when vehicle is towed. Push tractor by hand only short distances with controls as follows:

1. Drive Control Lever in "N" neutral.
2. By-Pass Valve in "OPEN" position.
3. Parking Brake Handle pushed down to "UNLOCK" position.

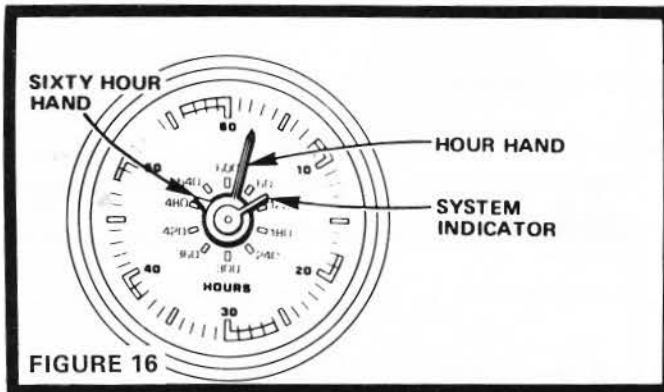
Use trailer to transport tractor for long distances.

TRACTOR OPERATION ON HILLS



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15°, AND DO NOT DRIVE ACROSS ANY SLOPE.

1. Avoid stopping on hills.
 - a. If slowing is necessary, pull Drive Control Lever back slowly.
 - b. If stopping is necessary, pull Drive Control Lever to neutral.
 - c. Engage Parking Brake.
 - d. To resume travel push Drive Control Lever slowly forward.
 - e. Release Parking Brake as forward movement begins.
2. Make all turns gradually.



STARTING YOUR TRACTOR WITH A LOW BATTERY

If your Battery is too low to start the engine, it should be recharged. If "Jumper Cables" are used for emergency starting follow this procedure. NOTE: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM.



LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES. KEEP SPARKS, FLAME, AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS SHIELD EYES AROUND BATTERIES.

1. Connect each end of the RED cable to the POSITIVE (+) terminals of each battery (taking care not to short against chassis).
2. Connect one end of the BLACK cable to the NEGATIVE (-) terminal of "GOOD" battery.
3. Connect the other end of the cable to ENGINE BLOCK of good CHASSIS GROUND on tractor (away from Gas Tank or Battery).
4. Disconnect cables in reverse order:
 - a. Engine Block or chassis.
 - b. Negative terminal of "GOOD" battery.
 - c. Positive terminals.



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

MAINTENANCE

1. SERVICE HOUR METER

To keep your tractor running better, longer; perform necessary service using the following Maintenance Schedule and the Service Hour Meter (Fig. 16) on the tractor dash.

The Service Hour Meter records the number of hours of tractor operation. Read the Hour (Red Hand) on the outer dial; each mark indicating one hour of operation. Read the Sixty Hour (Yellow Hand) on the inner dial; each mark indicating sixty hours of operation. The System Indicator (White Hand) moves visibly when the Ignition Key is in the "ON" position, indicating the system operational. It is normal for this hand to continue to turn for a short period of time after the Ignition Key is turned to the "OFF" position.



DISCONNECT SPARK PLUG WIRES TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT (EXCEPT CARBURETOR) OR REPAIR.

FIRST 2 HOURS

1. CHECK V-BELT TENSION

A new V-Belt may stretch after the first few hours of operation. If Clutch-Brake Pedal, in drive position (Fig. 14) is considerably to the front or rear of the vertical position, the V-Belt is out of adjustment and must be re-tensioned.

- Secure Clutch-Brake pedal in brake position (relaxing V-Belt tension) by tying to front axle.
- Hold Nut on inside of Flat Idler and loosen Flat Idler Bolt (Fig. 17).
- Move Flat Idler in frame slot 1/4 inch down (to tighten), up (to loosen) V-Belt tension. Tighten Bolt.
- Release Clutch-Brake Pedal. It should return to approximately vertical position.

NOTE: FOR LONGER V-BELT LIFE, ALWAYS KEEP BELT TENSIONED PROPERLY, START TRACTOR MOVEMENT WITH THROTTLE CONTROL IN MIDDLE POSITION, AND ALWAYS REPLACE WITH SEARS V-BELTS.

2. CHANGE ENGINE OIL

Changing Oil after the first two hours will help eliminate break-in residue which might be damaging to your Engine.

Note: Be careful not to allow dirt to enter the Engine when changing oil.

- Drain Oil with Engine warm. Unscrew Oil Drain Cap (Fig. 17) and catch Oil in a suitable container. Replace Cap.
- Refill Engine Oil (Fig. 18). In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD or SE). Capacity is 3 - 1/2 pints. NOTE: DO NOT OVER-FILL.

FIRST 10 HOURS

1. REPLACE HYDROSTATIC TRANSMISSION FLUID FILTER. Filter is available from Sears (Part No. 5276R).

- Remove Screw from each side of Oil Filter Shield (Fig. 19). Place rag under Filter to absorb oil leakage.
- Turn Filter (Fig. 20) counterclockwise to remove. Apply a light film of oil to seal surface and threads of new Filter. Hand tighten Filter securely. Turn Clockwise to tighten.
- Replace Oil Filter Shield and Screws. Check oil level and replace oil as required.
- After operating Tractor, check Filter for Fluid leaks. If leakage occurs, tighten Filter.

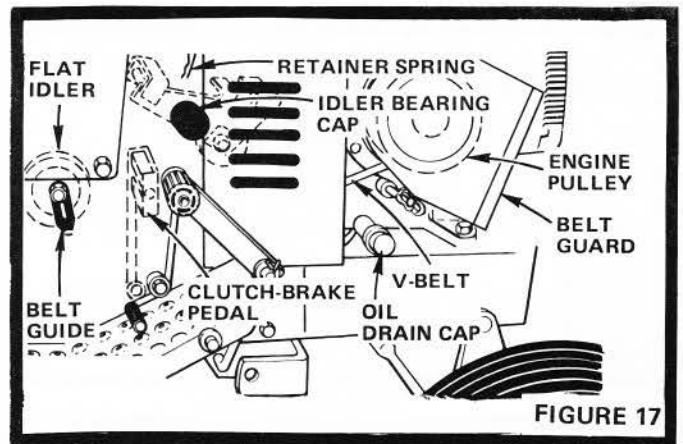


FIGURE 17

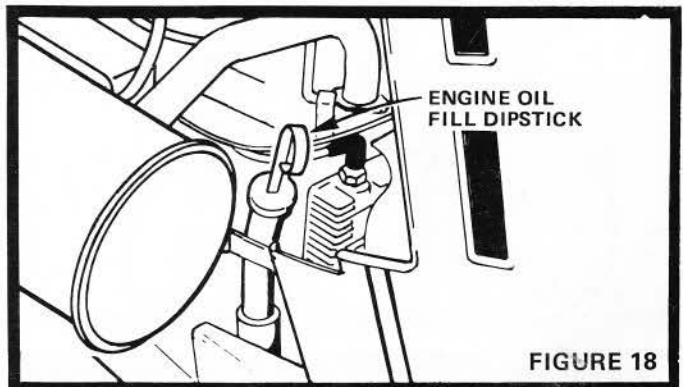


FIGURE 18

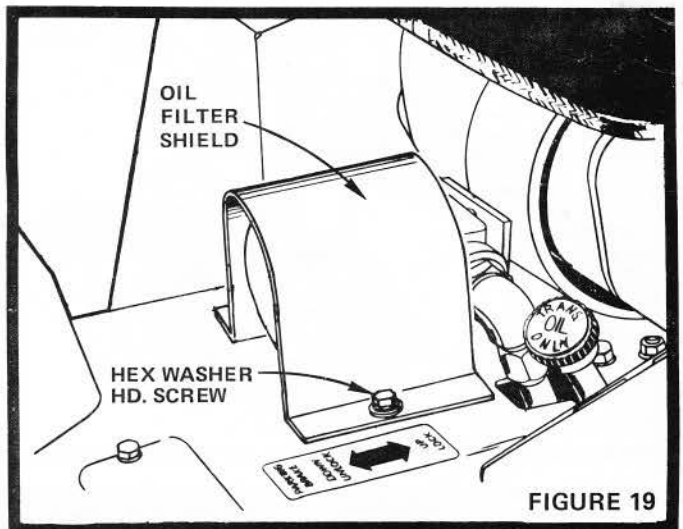


FIGURE 19

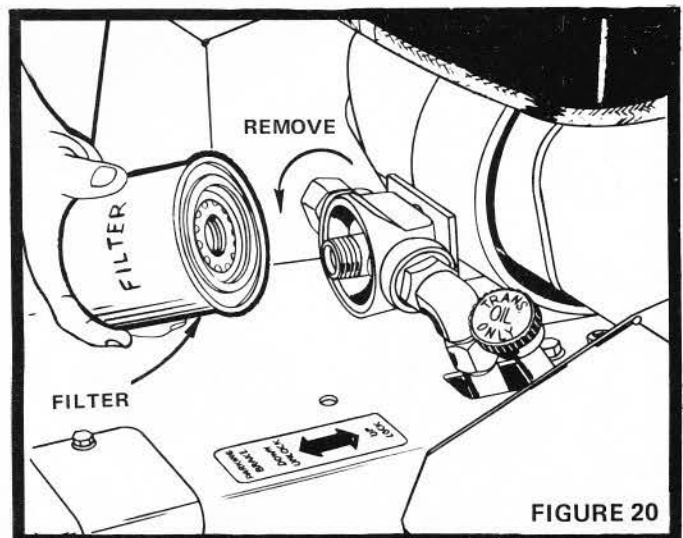


FIGURE 20

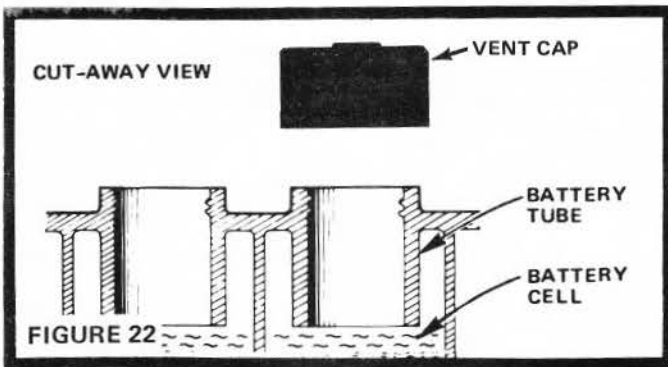


FIGURE 22

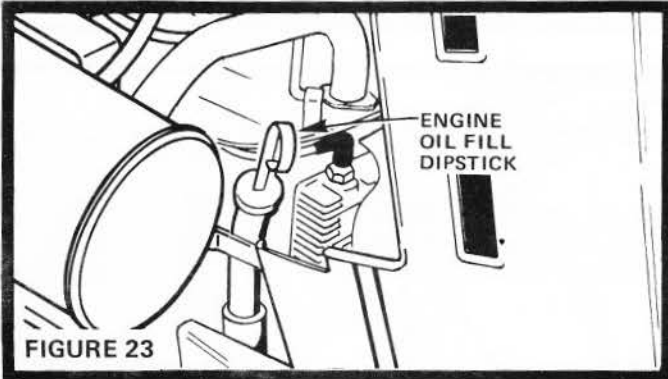


FIGURE 23

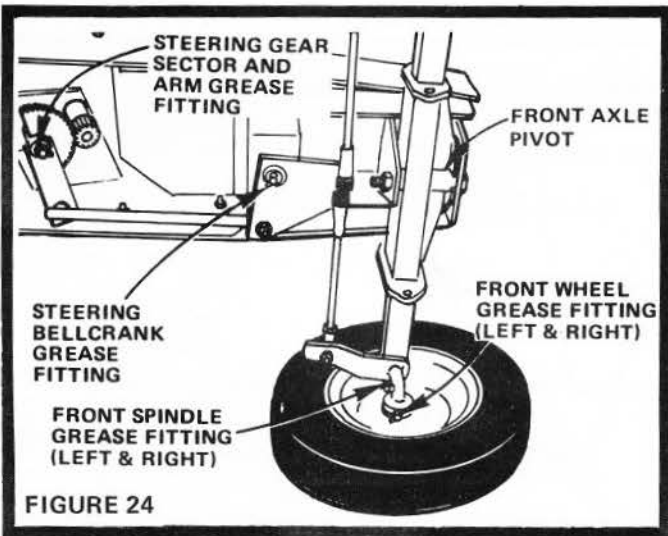


FIGURE 24

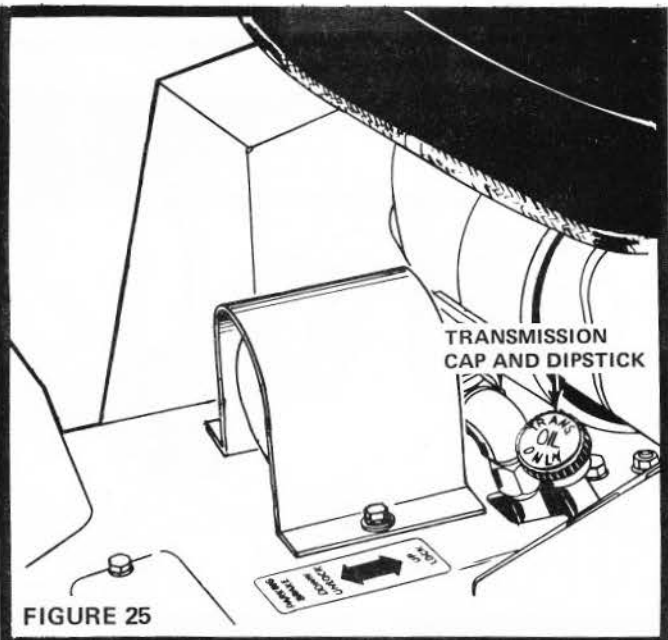


FIGURE 25

FREQUENTLY

1. CHECK BATTERY

- Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 22). Add distilled water if necessary. **NOTE: DO NOT OVERFILL.**
- Keep Battery and Terminals clean. Refer to page 12.
- Keep Battery bolts tight.
- Keep Vent Caps tight and small Vent holes in caps open.
- Recharge **SLOWLY** at 3 amperes if specific gravity of electrolyte falls below 1.225.

2. CHECK TIRE PRESSURE

Tire pressure in front and rear Tires should be 12 pounds

3. CLEAN AIR SCREEN GUARDS

Blower Housing Guard and Flywheel Guard (Fig. 27) must allow free-flow of air to prevent Engine damage from overheating. Remove Oil Cooler Air Shield (Fig. 14) and Blower Housing Guard. Clean Blower Housing Guard and Flywheel Guard with a wire brush to remove dirt and chaff and stubborn dried gum and fibers.

4. CLEAN OIL COOLER

- It will be necessary to remove the Oil Cooler Air Shield (Fig. 14) to clean Oil Cooler.
- Air is circulated from the back of the Oil Cooler therefore, it is especially necessary that this area be kept clean. Use a small brush, air pressure or water pressure.

NOTE: REPLACE GUARD AND SHIELD AFTER CLEANING.

EVERY 5 HOURS

1. CHECK ENGINE OIL LEVEL



DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.

Several minutes after stopping Engine, check Engine Oil Level with Tractor on level ground. Wipe dipstick (Fig. 23) clean, push it down tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD or SE). **NOTE: DO NOT OVERFILL.**

2. LUBRICATE STEERING AND FRONT WHEELS

There are six Grease Fittings on your Tractor (Fig. 24). Using a Grease Gun, give each Grease Fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 or until grease appears. This grease may be obtained by ordering Part No. 2557R through your nearest Sears repair parts department.

3. OIL PIVOT POINTS

Place several drops of S.A.E. 30 Oil at points where parts move against each other, especially:

- Idler Bearings (Fig. 17).
 - Remove Idler Bearing Cap.
 - Remove Retainer Spring from Idler Shaft.
 - Move Idler and Shaft outward and lubricate exposed Shaft.
 - Return Idler and Shaft to original position, replace Retainer Spring, and reposition Cap.
- Front Axle Pivot (Fig. 24).

EVERY 10 HOURS

1. CHECK HYDROSTATIC TRANSMISSION FLUID LEVEL

NOTE: Be careful not to allow dirt to enter the Hydraulic System when checking Fluid Level.

- Engine must be running and Drive Control Lever in neutral position with Tractor on level ground.
- Unscrew Cap and Dipstick (Fig. 25) remove and wipe clean.
- Screw Cap and Dipstick in tight. Remove and read Fluid Level.
- If necessary, add Fluid to bring level to "SAFE" mark on Dipstick. Use Automatic Transmission fluid "TYPE F" only. Do not overfill. Capacity is 4 - 1/2 quarts. Replace Cap and Dipstick.

When Oil Filters are replaced every 50 hours there will be no need to drain Hydrostatic Transmission.

EVERY 25 HOURS

(FREQUENTLY IF OPERATING IN VERY DUSTY CONDITIONS)

1. CLEAN AIR FILTER & FOAM PRE-CLEANER *

- Unscrew Wing Nut (Fig. 26) to remove Air Filter Cover Paper Air Filter Element and Foam Pre-Cleaner.
 - Clean dust from Paper Air Filter Element by gently tapping Element on a flat surface.
 - Wash Foam Pre-Cleaner in detergent and warm water.
 - Rinse, squeeze (rather than twist) and allow to dry thoroughly.
 - Coat with three tablespoons of S.A.E. 30 Engine Oil, knead to distribute evenly, and squeeze out excess.
 - Check Paper Air Filter Element. Replace if excessively dirty.
 - Re-Assemble Air Filter and re-position on Tractor.
- NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

2. CLEAN AIR SCREEN GUARDS

Blower Housing Guard and Flywheel Guard (Fig. 27) must allow free-flow of air to prevent Engine damage from overheating. Remove Oil Cooler Air Shield (Fig. 14) and remove Blower Housing Guard (Fig. 27). Clean Blower Housing Guard and Flywheel Guard with a wire brush to remove dirt and chaff and stubborn dried gum and fibers.

NOTE: REPLACE GUARD AND SHIELD AFTER CLEANING.

3. CHANGE ENGINE OIL

The best time to change Engine Oil is at the end of a days operation when all dirt and foreign material is suspended in the hot Oil. Refer to page 7.

EVERY 50 HOURS

1. CLEAN COOLING SYSTEM

Remove any dust, dirt, chaff or oil from Engine Cooling Fins, Blower Housing Guard, Flywheel Guard (located under Blower Housing Guard) and Oil Cooler Cooling Fins to prevent Engine from overheating (Fig. 27).

- It will be necessary to remove the Oil Cooler Air Shield (Fig. 14) to clean Oil Cooler.
- Air is circulated from the back of the Oil Cooler therefore, it is especially necessary that this area be kept clean. Use a small brush, air pressure or water pressure.

NOTE: BE SURE TO REPLACE GUARD AND SHIELD AFTER CLEANING.

2. REPLACE HYDROSTATIC TRANSMISSION FLUID FILTER. Refer to page 7.

3. REPLACE OIL FILTER (FIG. 27).

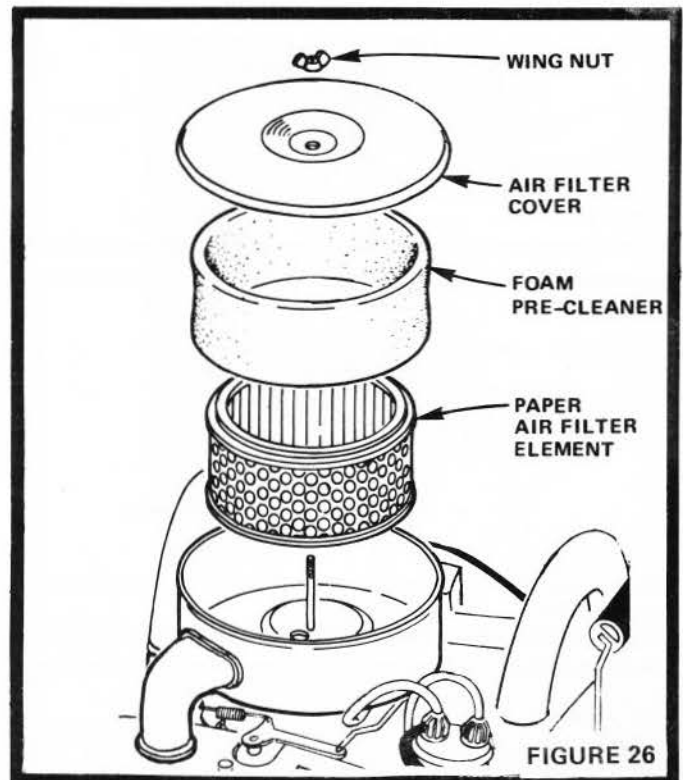


FIGURE 26

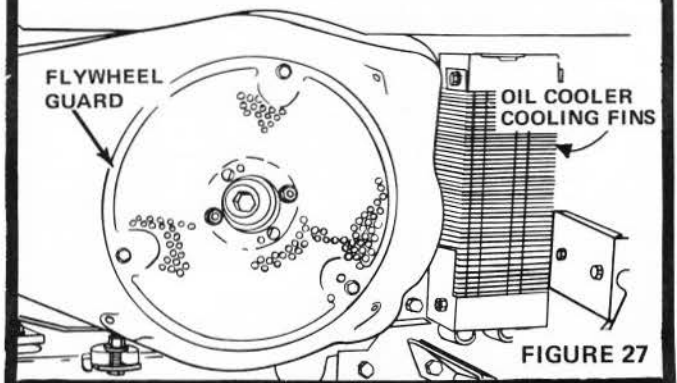
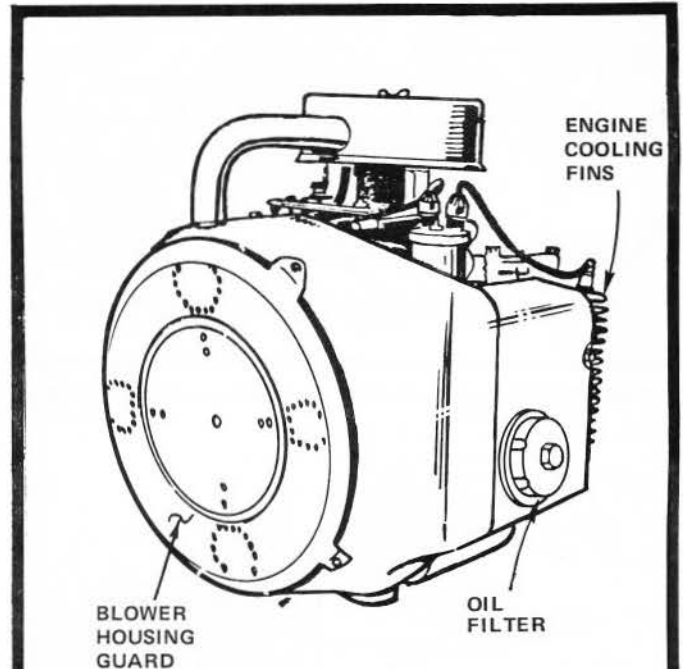


FIGURE 27

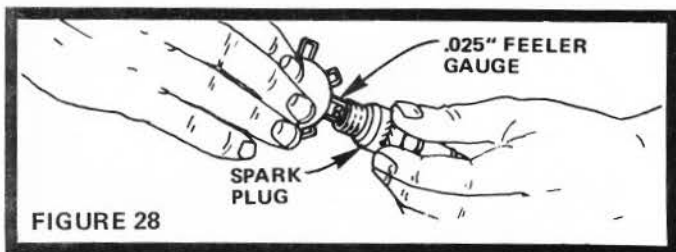


FIGURE 28

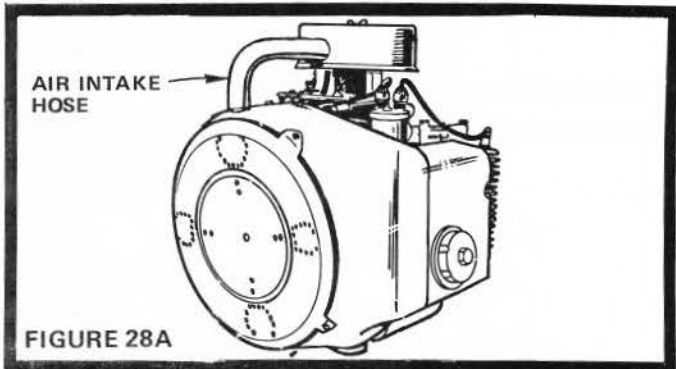


FIGURE 28A

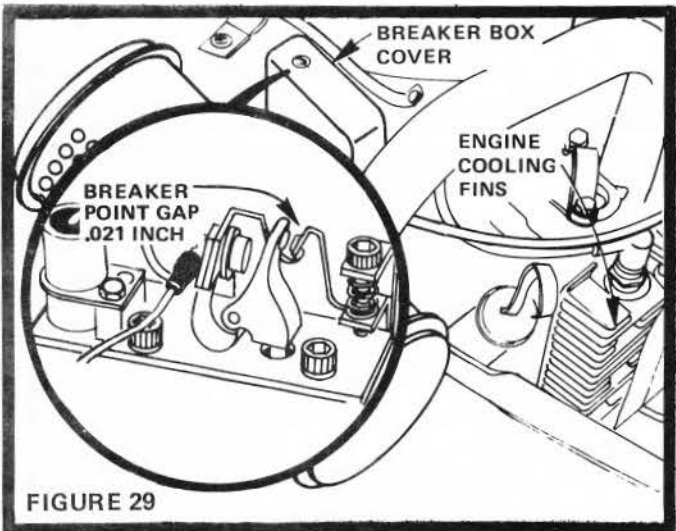


FIGURE 29

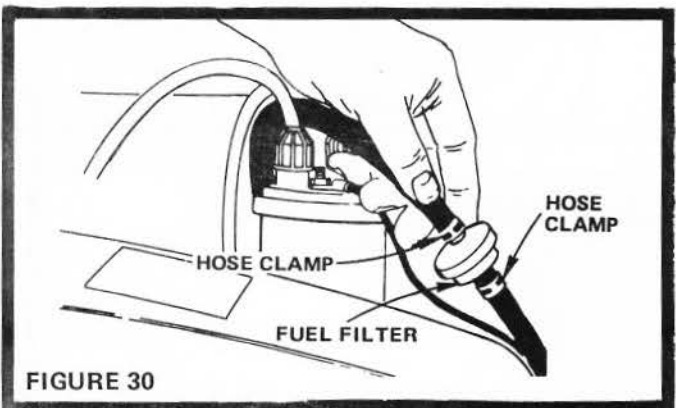


FIGURE 30

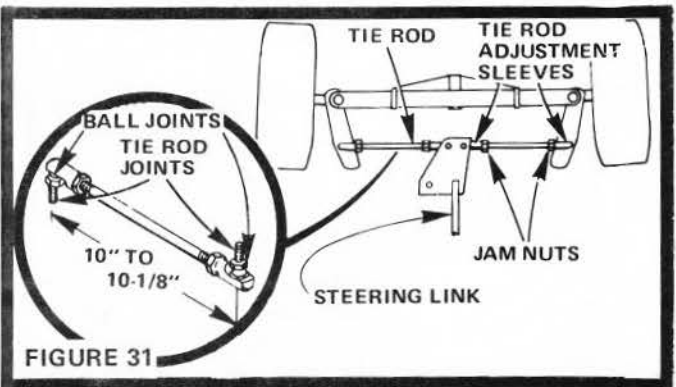


FIGURE 31

EVERY 100 HOURS

1. CLEAN SPARK PLUGS AND RESET GAP

Wire brush carbon deposits from Spark Plug Electrodes and reset gap at .025 inch. (Fig. 28). Replace Spark Plugs if they show signs of fouling or electrode erosion.

2. CHECK BREAKER POINTS

Replace Points if they are pitted or burned.

- Remove Air Intake Hose that connects to Blower Housing (Fig. 28A). This provides an access to view Timing Mark.
- Remove Spark Plugs and Belt Guard and turn Engine Pulley (Fig. 17) clockwise by hand until 21^oBTC mark on gear cover aligns with mark on flywheel. Turn another 1/4 turn to ensure points are fully open.
- Remove Breaker Box Cover (Fig. 29) by loosening Screw and lift off to remove.
- Replace Points, if necessary.
- Using an Allen Head Wrench, adjust Set Screw for .021 inch between Points. Measure Point Gap with a Flat Feeler Gauge. NOTE: MAKE SURE FEELER GAUGE IS CLEAN AND FREE OF GREASE, OIL, OR DIRT. No other adjustment or alignment is necessary. Settling point gap accurately adjusts Engine Timing.
- Replace Breaker Box Cover, Spark Plugs and Cables and Air Intake Hose.

3. LUBRICATE BALL JOINTS

- Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 31).
- Coat Ball Joints with Silicone Spray Lubricant.
- Reposition Rubber Boots.

EVERY 200 HOURS

1. REPLACE PAPER AIR FILTER ELEMENT

Refer to page 9.

2. REPLACE BREAKER POINTS

Refer to step 2, above.

AS NEEDED

1. REPLACE IN-LINE FUEL FILTER

If fuel filter is clogged, obstructing fuel flow to carburetor, replacement is required.

- With Engine cool, remove and plug Fuel Line Sections as removed from both ends of Fuel Filter (Fig. 30).
- Place new Fuel Filter in position in Fuel Line.



BE SURE THERE ARE NO FUEL LINE LEAKS AND THAT FUEL LINE IS IN PROPER POSITION IN HOSE CLAMPS.

2. TOE-IN ADJUSTMENT

If any parts in Front Axle or Steering Mechanism are being replaced, Tie Rod adjustment is required.

- Loosen Jam Nuts (Fig. 31) at each end of Tie Rod Adjustment Sleeves.
- Adjust both Tie Rods so that Tie Rod Joints measure from 10 to 10 - 1/8 inches from center to center.
- Tighten Jam Nuts, making sure Tie Rod Joints are parallel (180^o) to each other. This adjustment secures proper Front Wheel Toe-in and steering operation.

3. RETENSION V-BELT

It may be occasionally necessary to re-tension V-belt page 7.

4. PARK BRAKE ADJUSTMENT

If the Parking Brake will not hold tractor, Parking Brake adjustment is necessary.

- Remove Cotter Pin and Clevis Pin from Yoke (Fig. 32).
- Turn Yoke one full turn clockwise on Parking Brake Rod. Replace Yoke on Brake Arm and secure with Clevis Pin.
- Place by-pass valve handle (Fig. 34A) in the "OPEN" position.
- With parking brake handle in "LOCK" position (Fig. 34A) L.H. rear tire should slide when tractor is pushed. If tire does not slide, repeat steps a and b.
- Replace Cotter Pin in Clevis Pin.
- Rotate by-pass handle (Fig. 34A) to "CLOSE" position.
- If tractor is to be operated, push down on parking brake handle to "UNLOCK" brake.

5. CARBURETOR ADJUSTMENT

If Engine lacks power or does not idle properly, the Carburetor may need adjustment.

- Main Fuel (High Speed) Screw (Fig. 33) should not require adjustment. If resetting is necessary, turn clockwise, closing finger tight ONLY, then turn counterclockwise 1- 1/4 turn.
- Turn Idle Adjusting Needle (Fig. 33) clockwise, closing finger tight ONLY, and then turn counterclockwise one turn.
- Start Engine and allow to warm for five minutes.
- Make final adjustments with Engine running and Drive Control Lever in Neutral position.
 - Turn Idle Adjusting Needle counterclockwise until Engine runs "rough" then clockwise until Engine begins to miss. Return Needle to a point midway between these extremes.
 - Throttle Stop Screw (Fig. 33) should not require adjustment. If resetting is necessary, set to obtain the slowest engine speed that will allow smooth acceleration.

6. BELT REPLACEMENT

- Remove Belt from Clutch Idler by depressing Clutch-Brake Pedal (Fig. 34).
- Remove Belt Guide from Engine Pulley.
- Remove Belt Guide Weldment from Pump Pulley.
- Loosen Flat Idler Assembly on R.H. side of Tractor Frame.
- Remove Belt from Engine Pulley, between Belt Guide Finger and Flat Idler, and Pump Pulley.
- Place new Belt around Pump Pulley. Then place Belt between Belt Guide Finger and Flat Idler and then around Engine Pulley.
- Depress Clutch-Brake Pedal and slip Belt over the top of the Clutch Idler.
- Replace Engine Pulley Belt Guide and Pump Pulley Belt Guide Weldment. Tighten Flat Idler Assembly. NOTE: Make sure Belt Guide Finger on Flat Idler is parallel with slot in Tractor Frame.
- Check Belt Tension, page 7.

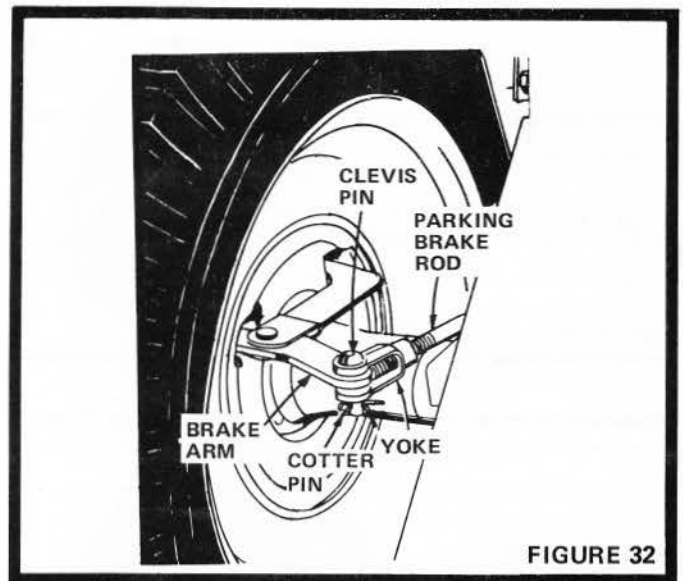


FIGURE 32

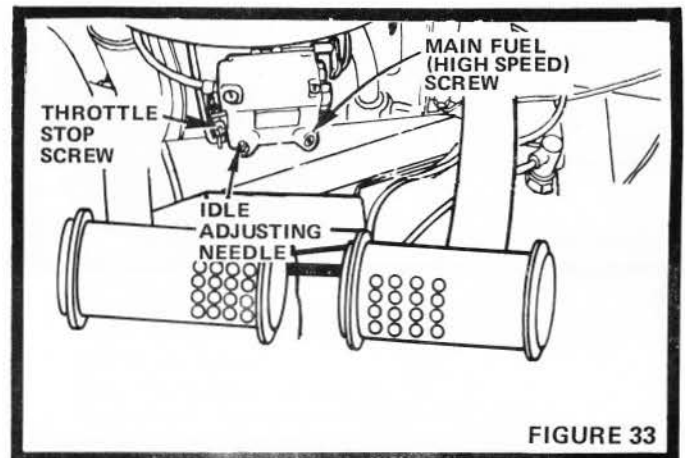


FIGURE 33

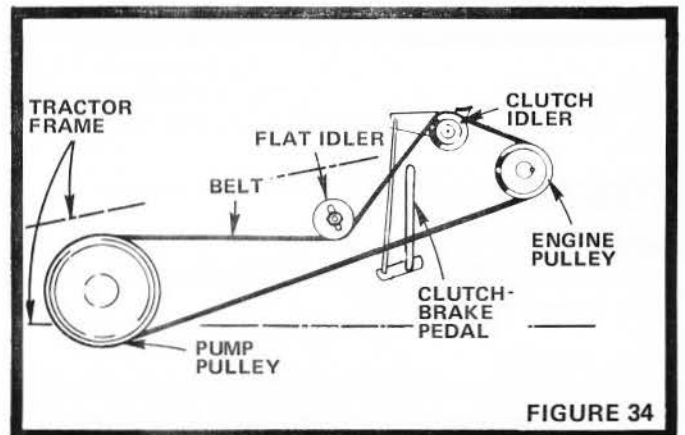


FIGURE 34

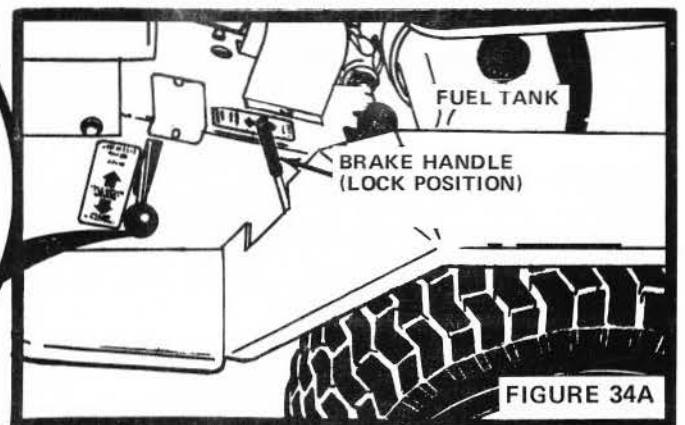
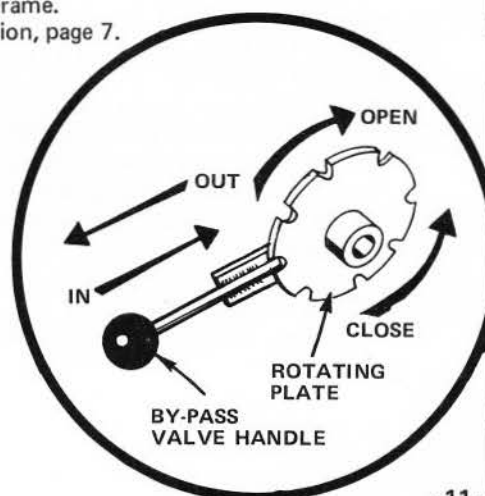


FIGURE 34A

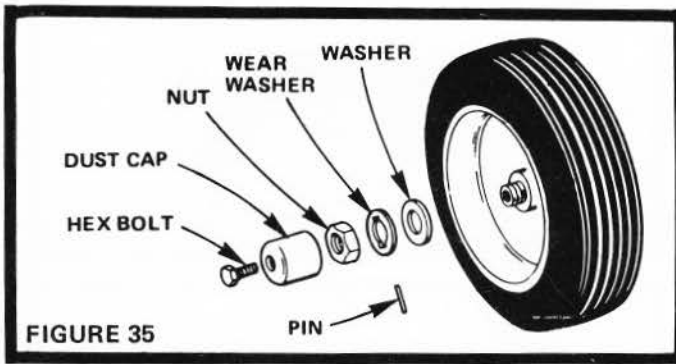


FIGURE 35

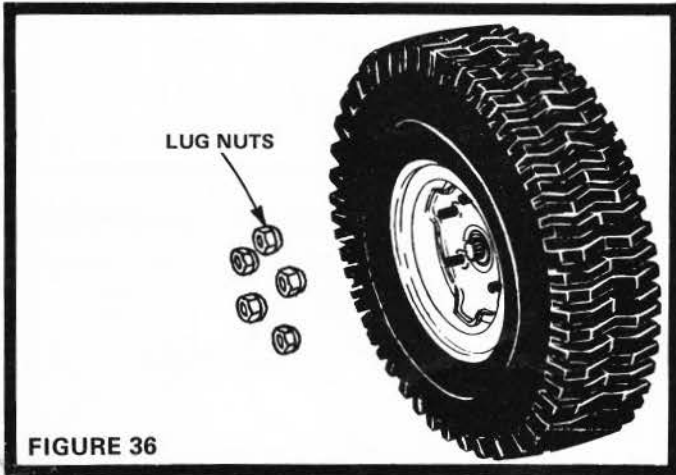


FIGURE 36

7. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power and hinders the operation of the charger.

- a. Remove the Battery from the Tractor and wash with four tablespoons of baking soda to one gallon of water. NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO THE CELLS. Rinse the Battery with plain water, dry and reinstall on Tractor.
- b. Clean terminals and Battery Cables with a wire bursh until bright. Replace Battery Cables. Coat terminal connections with Vaseline.

8. TIRE CARE

- a. Maintain tire pressure in front and rear tires of 12 pounds.
- b. Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- c. Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- d. Removing front wheel for tire repair (Fig. 35).
 - Block up front axle securely or use a Sears Tractor Jack. Rear wheels should also be blocked to prevent roll.
 - Remove Hex Bolt and Dust Cap.
 - Remove Nut, Wear Washer, Pin and Washer to allow wheel removal.
 - Repair tire and reassemble.
- e. Removing rear wheel for tire repair (Fig. 36):
 - Block up rear axle securely or use a Sears Tractor Jack. Front wheels should also be blocked to prevent roll.
 - Remove the five Lug Nuts.
 - Repair tire and reassemble. Tighten Lug Nuts securely.

9. FINISH

Keep tractor finish free of gasoline, oil, insect chemicals or battery electrolyte. Protect painted surfaces with Automotive type wax.

STORAGE

1. ENGINE OIL

Drain (with engine warm) and replace with clean engine oil. Refer to page 7.

2. FUEL SYSTEM

- a. Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOGGING FUEL SYSTEM.
- b. Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

3. CYLINDER

- a. Remove Spark Plugs.
- b. Pour one ounce of oil through spark plug holes into cylinders.

- c. Turn ignition key to "START" position for a few seconds to distribute oil.
- d. Replace Spark Plugs.

4. BATTERY

- a. Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F). NOTE: DO NOT STORE BATTERY DIRECTLY ON CEMENT SURFACE.
- b. Check electrolyte charge each month and recharge if below 1.225 specific gravity. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHUR DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

5. GENERAL CLEANING

Clean engine, battery, finish, etc. of all foreign matter.

TROUBLE SHOOTING

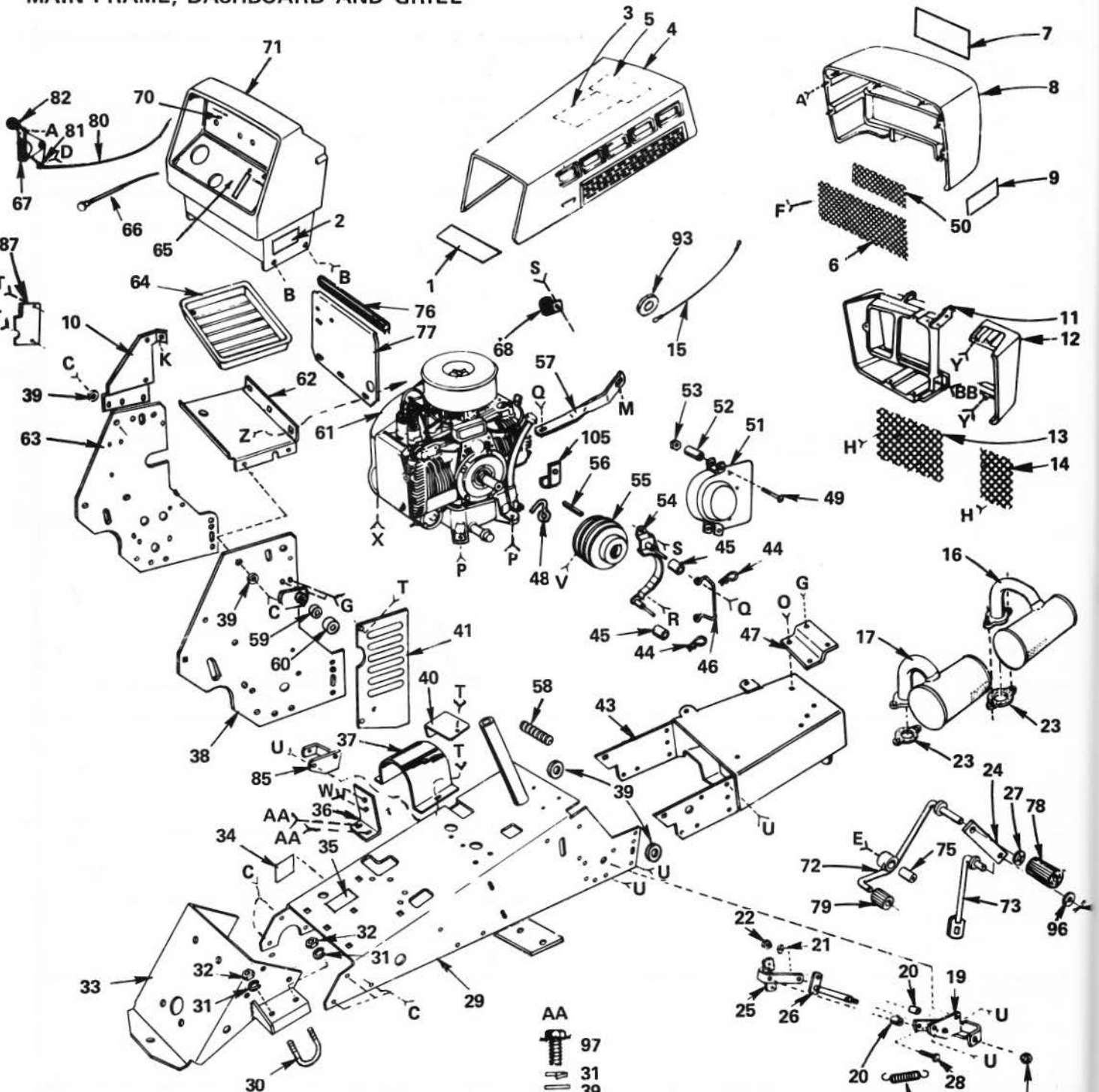
POSSIBLE CAUSE	POSSIBLE REMEDY
WILL NOT START Drive Control Lever in "F" or "R" position Attachment Clutch Pedal in "ON" position No gasoline in Fuel Tank, clogged Fuel Line Filter or Fuel Line Blown Fuse Dead Battery	Move Lever to "N" position Move Pedal to "OFF" position. Fill Tank with Gasoline. Check Fuel Line, Fuel Line Filter and Carburetor (clean if necessary). Check for fault and replace Fuse Recharge or replace Battery
HARD TO START Choked improperly, flooded Engine Clogged Fuel Line Filter Clogged Fuel Tank Dirty Air Cleaner Spark Plugs dirty or improper gap Defective Battery Defective Ignition or loose wiring Water in gasoline or old fuel Improper Carburetor adjustment	Push Choke in, place Throttle Control in middle position and run starter several times to clear out gas Remove and replace Remove and clean Remove and clean Clean, adjust gap or replace Recharge or replace Check the wiring and Spark Plugs Drain Fuel Tank and Carburetor, use fresh fuel and clean Spark Plugs Make necessary adjustments
ENGINE MISSES OR LACKS POWER Engine overload Clogged Fuel Line Filter Clogged Fuel Tank Partially plugged Air Cleaner Improper Carburetor adjustment Dirty Air Screen Low oil level or dirty oil Spark Plugs dirty, improper gap or wrong type Faulty ignition Poor compression Oil in gasoline	Reduce load Remove and replace Remove and clean Remove and clean Make necessary adjustments Clean Air Screen and Cylinder Fins Add or change oil Clean, reset gap or replace Check Spark Plugs and for loose wires Major Engine overhaul Drain and refill Gas Tank and Carburetor
ENGINE OVERHEATS Dirty Air Screen Low oil level or dirty oil Dirty Engine Partially plugged Mufflers Partially plugged Air Cleaner Stale fuel or improper Carburetor adjustment	Clean Air Screen Add or change oil Clean Cylinder Fins Remove and clean Mufflers Remove and clean Use fresh fuel and adjust Carburetor
NO LIGHTS No Headlights or Taillight with Light Switch Knob pulled out	Check Light Fuse behind dash and wire connections. Replace Taillight Bulb or Sealed Beam Headlights
WON'T CHARGE Blown Fuse Defective Battery	Check for fault and replace Replace
WILL NOT MOVE By-Pass Valve open Hydrostatic Transmission Fluid very low	Close valve. Refer to page 3. Add fluid, refer to bottom of page 8.

Sears, Roebuck and Co. or Simpsons-Sears Ltd., in Canada reserves the right to make any changes in design or improvements without imposing any obligation to install the same upon its items heretofore manufactured.

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

MAIN FRAME, DASHBOARD AND GRILL



A	B	C	D	E	F	G	H	J	K	M	N	O	P	Q	R
74	83	84	94	109	95	116	98	99	100	102	118	104	114	84	
88	39	31	31	31	31	21	99	90	89	93	21	21	21	39	
89	115	32	S	32	32	22	100	88	74	21	21	22	39	39	
	31		T	106	107	108	103	90	74	21	21	22	31	111	
	32		84	106	107	108	113	114	103	110			32		
			31	31	31	32	88	39	31	112			91		
								32	32	92					

another free manual from www.searstractormanuals.com

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

MAIN FRAME, DASHBOARD AND GRILL

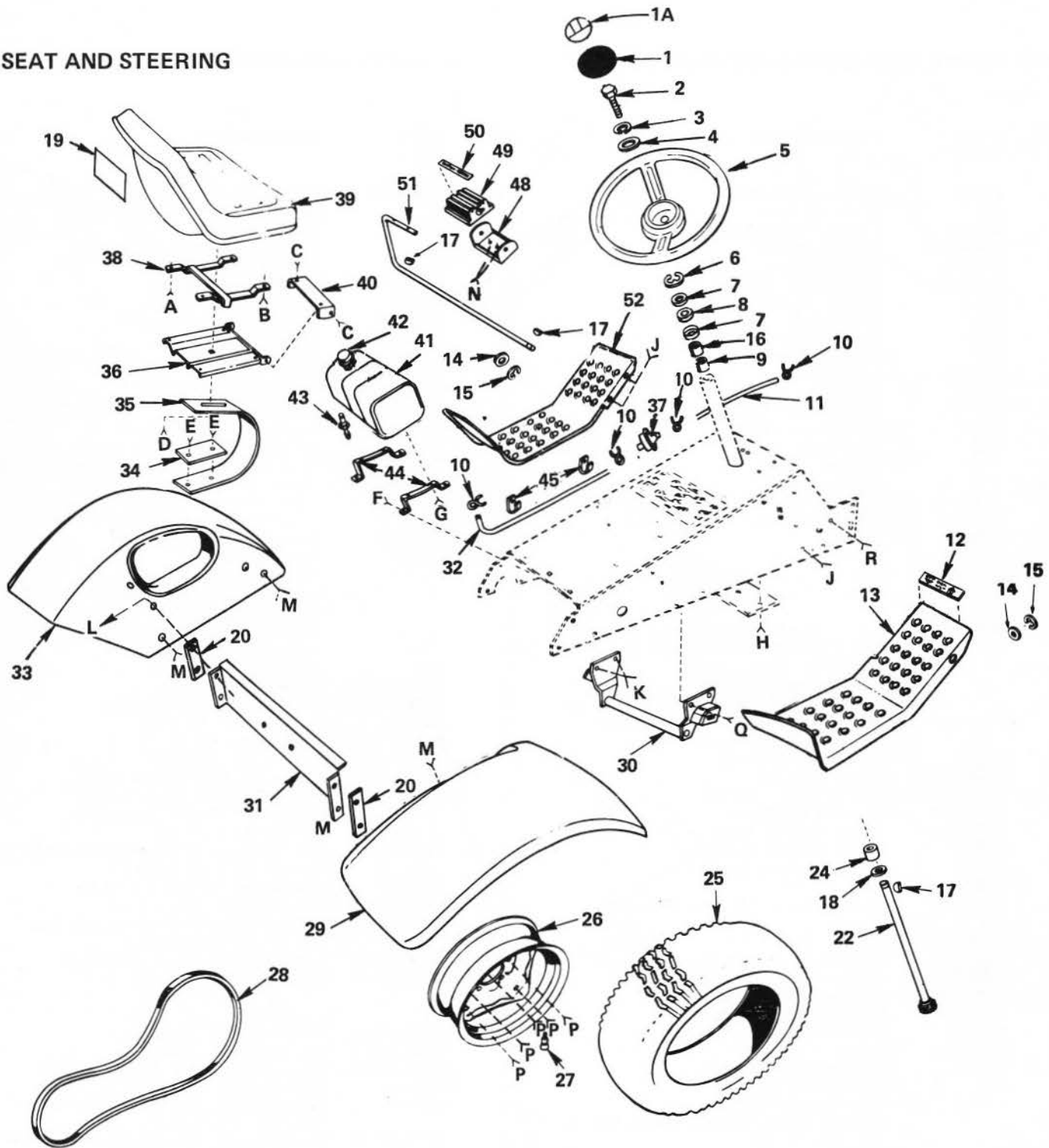
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	283J	Decal - "Hydrodrive"	61	634A957	Engine, Onan 18 H.P. Twin Cylinder
2	284J	Decal - Model			Model No. B48M-GA018/3475A
3	8028R	Decal - Maintenance	62	106J	Battery Support
4	634A907	Hood Assembly	63	906J	Battery Support Bracket - L.H.
5	9880R	Decal - Wiring	64	8855R	Battery Tray
6	2794R	Grill Screen - Center	65	9860R	Decal - Lower Dash
7	886J	Decal - "Sears"	66	2754R	Choke Control
8	911J	Upper Grill	67	9853R	Throttle Control Lever
9	885J	Decal - Sears Logo	68	9776H	Choke Control Clip
10	98J	Rectifier Bracket	70	9859R	Decal - Upper Dash
11	7937R	Lower Grill	71	5123R	Dashboard
12	7938R	Grill Side	72	634A901	Pedal Weldment P.T.O.
13	2674R	Grill Screen - L.H.	73	634A930	Lever Weldment
14	2673R	Grill Screen - R.H.	74	STD541025	*Hex Nut 1/4 - 20 UNC
15	8058R	Grill Cable	75	91J	Pivot Spacer
16	104J	Muffler - Front	76	7874R	Hood Seal
17	105J	Muffler - Rear	77	9687R	Battery Heat Shield
18	7810H	Gripco Centerlock Nut 3/8 - 24 UNF	78	93J	Rubber Pedal
19	634A494	Hanger Weldment - R.H., Front	79	267J	Foot Pedal
20	1689E	Bushing	80	8205R	Throttle Wire and Casing
21	STD551131	*Lockwasher 5/16	81	8204R	Throttle Clamp
22	STD541031	*Hex Nut 5/16 - 18 UNC	82	8203R	Throttle Knob
23	878J	Gasket - Exhaust Manifold	83	STD523715	*Hex Bolt 3/8 - 16 x 1 - 1/2
24	89J	Link	84	STD523710	*Hex Bolt 3/8 - 16 x 1
25	634A492	Switch Bracket Assembly	85	634A355	Front Hanger Weldment - L.H.
26	634A491	Belt Tightener Arm and Idler Shaft Assembly	86	2506P	Cotter Pin 1/8 x 1
27	92J	Speed - Nut/Push-on	87	86J	Cover - L.H.
28	STD523115	*Hex Bolt 5/16 - 18 x 1 - 1/2	88	STD551125	*Lockwasher 1/4
29	634A934	Chassis Assembly with Bearings (Inc. Key No s. 9 and 24, page 16)	89	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
30	5080R	U-Bolt - Axle Clamp	90	1605H	Locknut 1/4 - 20 UNC
31	STD551137	*Lockwasher 3/8	91	STD551110	*Lockwasher No. 10
32	STD541037	*Hex Nut 3/8 - 16 UNC	92	STD541010	*Nut No. 10 - 24 UNC
33	634A638	Drawbar Weldment	93	STD551031	*Washer 11/32 x 11/16 x 16 Ga.
34	6143R	Decal - By-Pass Valve	94	6055P	Hex Slotted Hd. Mach. Screw w/Sems Int. Tooth Lockwasher No. 10 - 32 x 1/4
35	5628R	Decal - Parking Brake	95	STD601005	*Cutting Screw, Phillips Pan Hd. Thd. No. 10 - 24 x 1/2 Type T
36	5109R	Filter Mounting Bracket	96	1545P	Flat Washer 17/32 x 1 x 16 Ga.
37	6204R	Oil Filter Shield	97	STD523710	*Hex Bolt 3/8 - 16 x 1 - 1/4
38	634A903	Battery Support Bracket (Inc. Key No. 59)	98	STD601003	*Cutting Screw, Phillips Pan Hd. Thd. No. 10 - 24 x 3/8 Type T
39	STD551037	*Washer 13/32 x 13/16 x 16 Ga.	99	STD522515	*Hex Bolt 1/4 - 20 x 1 - 1/2 Gr. 5
40	811J	Neutral Adjustment Cover	100	STD522505	*Hex Bolt 1/4 - 20 x 1/2
41	7729R	Cover - R.H.			
42	8115R	Retainer Nut 3/8 - 16 UNC			
43	634A884	Engine Mount Assembly			
44	4939M	Retainer Spring	102	STD523110	*Hex Bolt 5/16 - 18 x 1
45	8704H1	Spacer	103	STD523107	*Hex Bolt 5/16 - 18 x 3/4
46	5621R	Belt Retainer	104	STD533107	*Carriage Bolt 5/16 - 18 x 3/4
47	96J	Grill Spacer	105	879J	Clip - Cable
48	8245R	Belt Retainer Finger	106	5557P	Cutting Screw, Hex Washer Hd. Thrd. 1/4 - 20 x 1/2 Type 1
49	3154P	Machine Screw, Slotted Fillister Hd. 1/4 - 20 x 2 - 1/4	107	STD523710	*Hex Bolt 3/8 - 16 x 1 - 1/4 Gr. 5
50	2672R	Grill Screen - Upper	108	4540P	Set Screw, Hex Forged Socket Hdless. 5/16 - 18 x 1/2
51	634A663	Belt Guide Weldment	109	50P	Carriage Bolt 3/8 - 16 x 2 - 1/4
52	8238H	Split Spacer	110	53P	Carriage Bolt No. 10 - 24 x 1/2
53	347H	Huglock Nut 1/4 - 20 UNC	111	5394H	Locknut 3/8 - 16 UNC
54	634A662	Belt Guide Weldment	112	1535P	Washer 7/32 x 7/16 x 18 Ga.
55	634A665	Engine Pulley (Inc. Key No. 108)	113	STD522507	*Hex Bolt 1/4 - 20 x 3/4
56	9396E	Square Key 1/4 x 2	114	STD523712	*Hex Bolt 3/8 - 16 x 1 - 1/4
57	875J	Grill Brace	115	1557P	*Washer 13/32 x 13/16 x 11 Ga.
58	302J	Guard Wire	116	STD523108	*Hex Bolt 5/16 - 18 x 7/8
59	7756R	Idler Bearing	117	7948R	Return Spring
60	8006R	Idler Shaft Cap	118	3366P	Socket Hd. Cap Screw 5/16 - 18 x 3/4

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

SEAT AND STEERING



- | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| A | B | C | D | E | F | G | H | J | K | L | M | N |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

SEAT AND STEERING

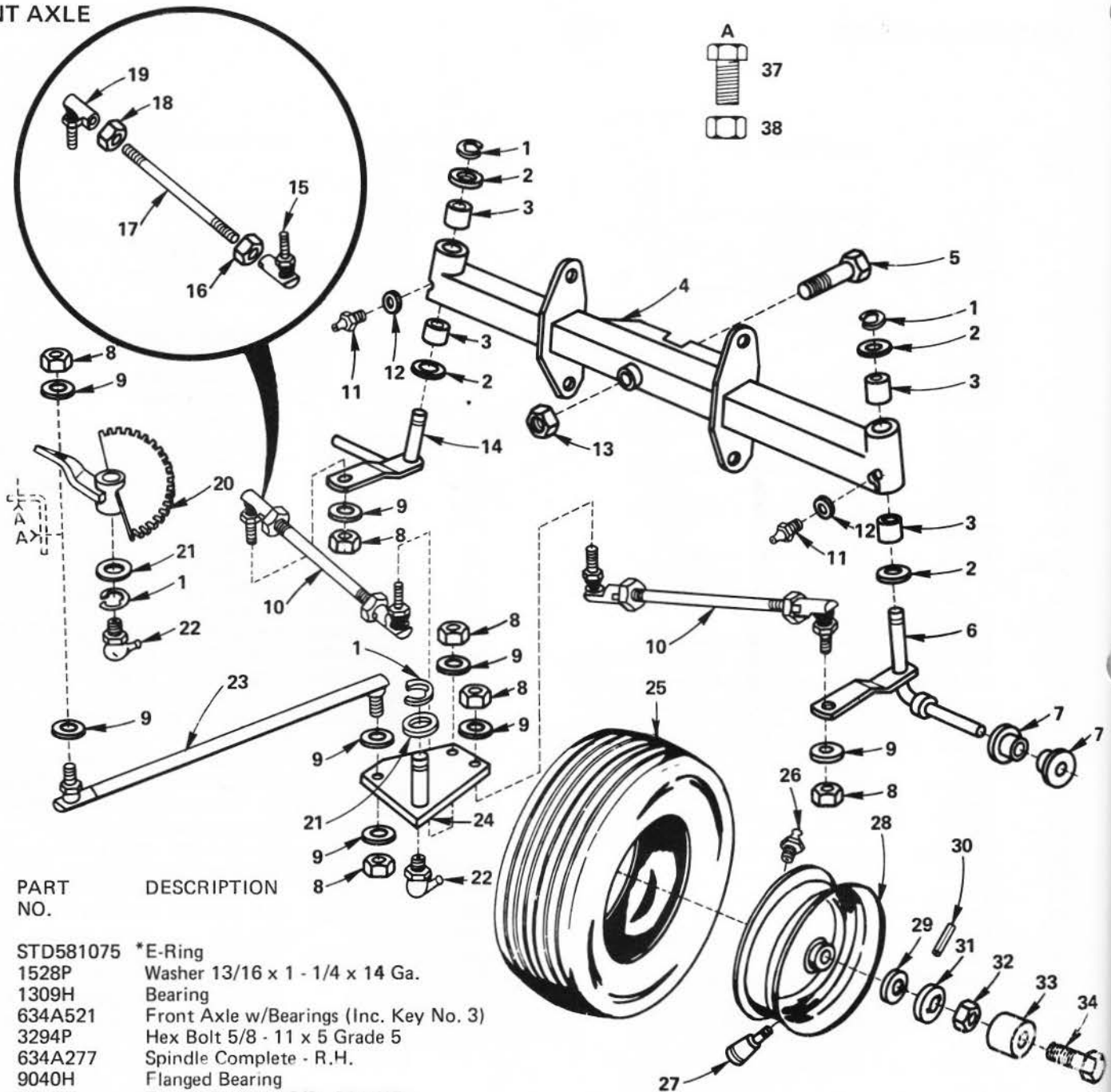
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	641J	Steering Wheel Insert	41	2693R	Fuel Tank
1A	372J	Decal - Sears	42	7293R	Fuel Gauge
2	STD523710	*Hex Bolt 3/8 - 16 x 1	43	815R	Fuel Line Fitting
3	STD551137	*Lockwasher 3/8	44	2650R	Bracket - Fuel Tank
4	1559P	Washer 7/16 x 1 x 10 Ga.	45	2751R	Clip - Fuel Line
5	2700R	Steering Wheel			
6	STD582075	*E-Ring	48	8765H	Foot Pedal Bracket
7	9007H	Cap	49	8882R	Foot Pedal
8	5949H	Rubber Bushing	50	8899R	Insert-Clutch-Brake
9	6468H	Bearing	51	940J	Foot Pedal Shaft
10	6999R	Clamp - Fuel Line	52	8178R	Foot Rest - L.H.
11	7833R	Fuel Line (Short)	53	STD551131	*Lockwasher 5/16
12	8900R	Decal (Attach. Clutch)	54	STD541437	*Locknut 3/8 - 16 UNC
13	7904R	Foot Rest - R.H.	55	1578P	Washer 3/4 x 1 - 1/8 x 11 Ga.
14	1527P	Washer 21/32 x 7/8 x 16 Ga.	56	1560P	Washer 17/32 x 1 - 1/2 x 11 Ga.
15	STD581062	*E-Ring	57	STD551150	*Lockwasher 1/2
16	7895R	Steering Shaft Spacer	58	STD541050	*Hex Nut 1/2 - 13 UNC
17	9858M1	Woodruff Key 3/16 x 5/8	59	STD541037	*Hex Nut 3/8 - 16 UNC
18	1553P	Washer 57/64 x 1 - 1/4 x 16 Ga.	60	STD541031	*Hex Nut 5/16 - 18 UNC
19	279J	Decal - Sears	61	STD551125	*Lockwasher 1/4
20	1165J	Spacer - Taillight Bracket	62	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
21	1557P	Washer 13/32 x 13/16 x 11 Ga.	63	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
22	634A775	Steering Shaft & Pinion	64	STD541025	*Hex Nut 1/4 - 20 UNC
23	1519P	Washer 15/32 x 1 x 12 Ga.	66	5394H	Locknut 3/8 - 16 UNC
24	4766H	Bearing	67	STD523107	*Hex Bolt 5/16 - 18 x 3/4
25	8054R	Rear Tire - Tubeless 23 x 10.00 - 12	68	STD523108	*Hex Bolt 5/16 - 18 x 7/8
26	469J	Rear Wheel	69	3022P	Hex Bolt 3/8 - 16 x 7/8 Gr. 5
27	795R	Tire Valve	70	52P	Carriage Bolt 1/2 - 13 x 1 - 1/4 Gr. 5
28	5125R	V-Belt (Ground Drive)	71	61P	Sq. Nk. Carriage Bolt 3/8 - 16 x 1 Gr. 5
29	9428R	Fender - R.H.	72	STD533110	*Carriage Bolt 5/16 - 18 x 1
30	634A814	Hanger Weldment - Rear	75	STD523712	*Hex Bolt 3/8 - 16 x 1 - 1/4
31	2656R	Bracket - Taillight	76	STD523710	*Hex Bolt 3/8 - 16 x 1
32	8545R	Fuel Line (Long)	77	STD522510	*Hex Bolt 1/4 - 20 x 1
33	8177R	Fender - L.H.	78	STD523707	*Hex Bolt 3/8 - 16 x 3/4
34	8141H	Seat Spring Reinforcement	79	5137R	Lug Nut
35	5404R	Seat Spring	80	STD523715	*Hex Bolt 3/8 - 16 x 1-1/2
36	634A533	Seat Plate Weldment	81	STD551031	*Washer 11/32 x 11/16 x 16 Ga.
37	266J	Fuel Line Filter	----	2557R	Grease Cartridge Amdex No. 1 E.P. (Not furnished with your Tractor)
38	634A532	Seat Bracket Weldment	----	53J	Warranty Tag
39	268J	Seat	----	638J	Owners Manual
40	2663R	Bracket Seat Pivot			

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

FRONT AXLE



KEY NO.	PART NO.	DESCRIPTION
1	STD581075	*E-Ring
2	1528P	Washer 13/16 x 1 - 1/4 x 14 Ga.
3	1309H	Bearing
4	634A521	Front Axle w/Bearings (Inc. Key No. 3)
5	3294P	Hex Bolt 5/8 - 11 x 5 Grade 5
6	634A277	Spindle Complete - R.H.
7	9040H	Flanged Bearing
8	7810H	Gripco Locknut 3/8 - 24 UNF
9	2515R	Hardened Washer
10	7838R	Tie Rod and Joints (Inc. Key No's. 15, 16, 17, 18 & 19)
11	6855M	Grease Fitting
12	1505P	Washer 9/32 x 1/2 x 14 Ga.
13	4764H	Huglock Nut 5/8 x 11 UNC
14	634A278	Spindle Complete - L.H.
15	8515R	Tie Rod Joint (R.H. Thread)
16	STD541350	*Hex Jam Nut 1/2 - 20 UNF
17	634A819	Tie Rod and Nuts (Inc. Key No's. 16 & 18)
18	559P	Hex Jam Nut 1/2 - 20 (L.H. Thread)
19	8514R	Tie Rod Joint (L.H. Thread)
20	634A813	Steering Gear Sector and Arm
21	1552P	Washer 49/64 x 1 - 1/4 x 16 Ga.
22	6842M	Grease Fitting
23	7837R	Drag Link and Joints
24	634A98	Steering Bell Crank Weldment
25	2169R	Front Tire - Tubeless 16 x 6.50 - 8

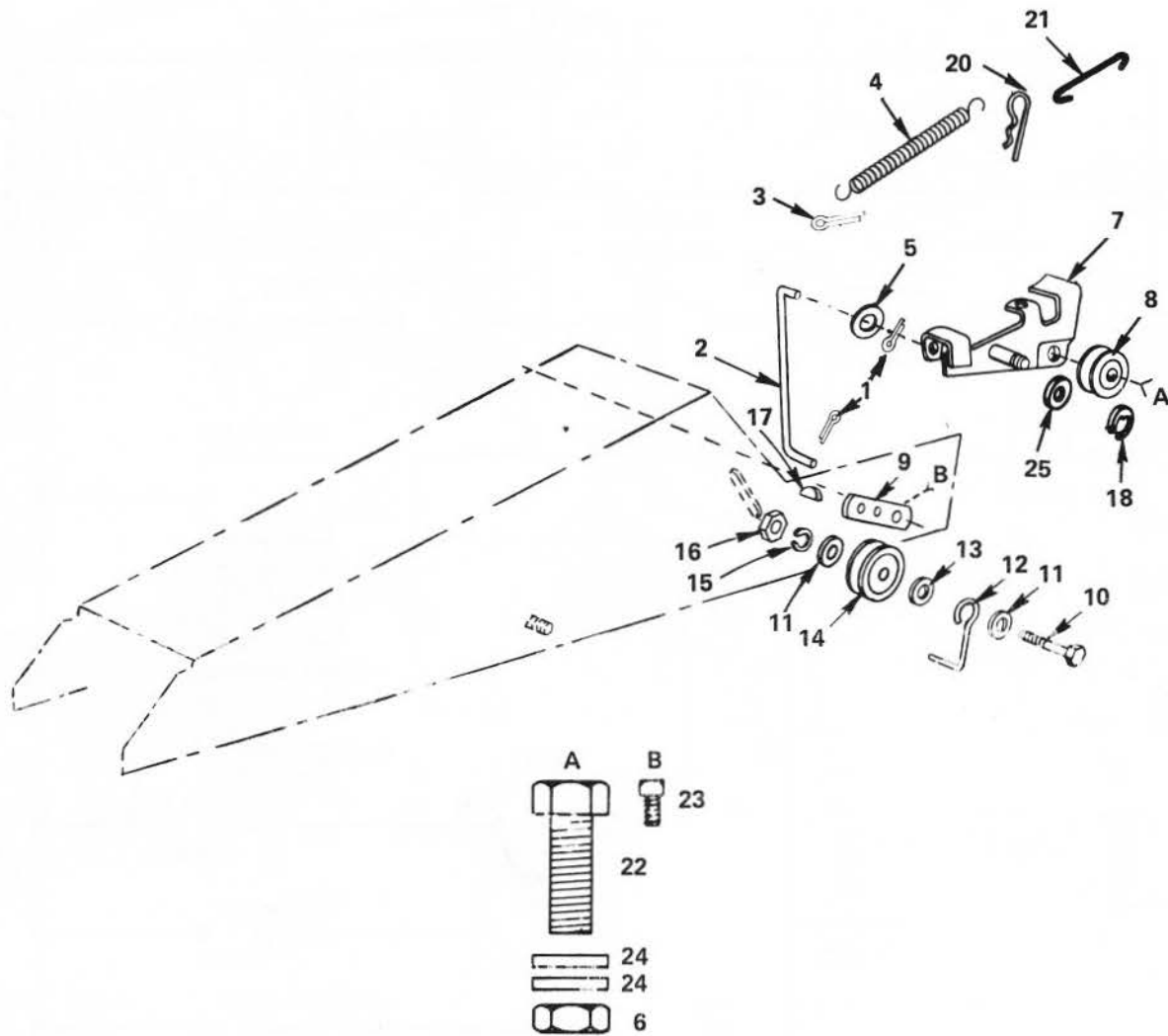
KEY NO.	PART NO.	DESCRIPTION
26	6856M	Grease Fitting 1/4 - 28 Taper Thrd.
27	795R	Tire Valve
28	467J	Front Wheel (Inc. Key No's. 7 & 26)
29	1562P	Washer 25/32 x 1 - 1/2 x 16 Ga.
30	8798H	Roll Pin 5/32 x 1
31	8785H	Wear Washer
32	4831H	Elastic Nut 3/4 - 16 UNF
33	8763H	Dust Cap - Outer
34	STD523120	*Hex Bolt 5/16 - 18 x 1/2
37	STD623710	*Hex Bolt 3/8 - 24 x 1
38	STD541337	*Hex Jam 3/8 - 24 UNF Locknut

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

CLUTCH



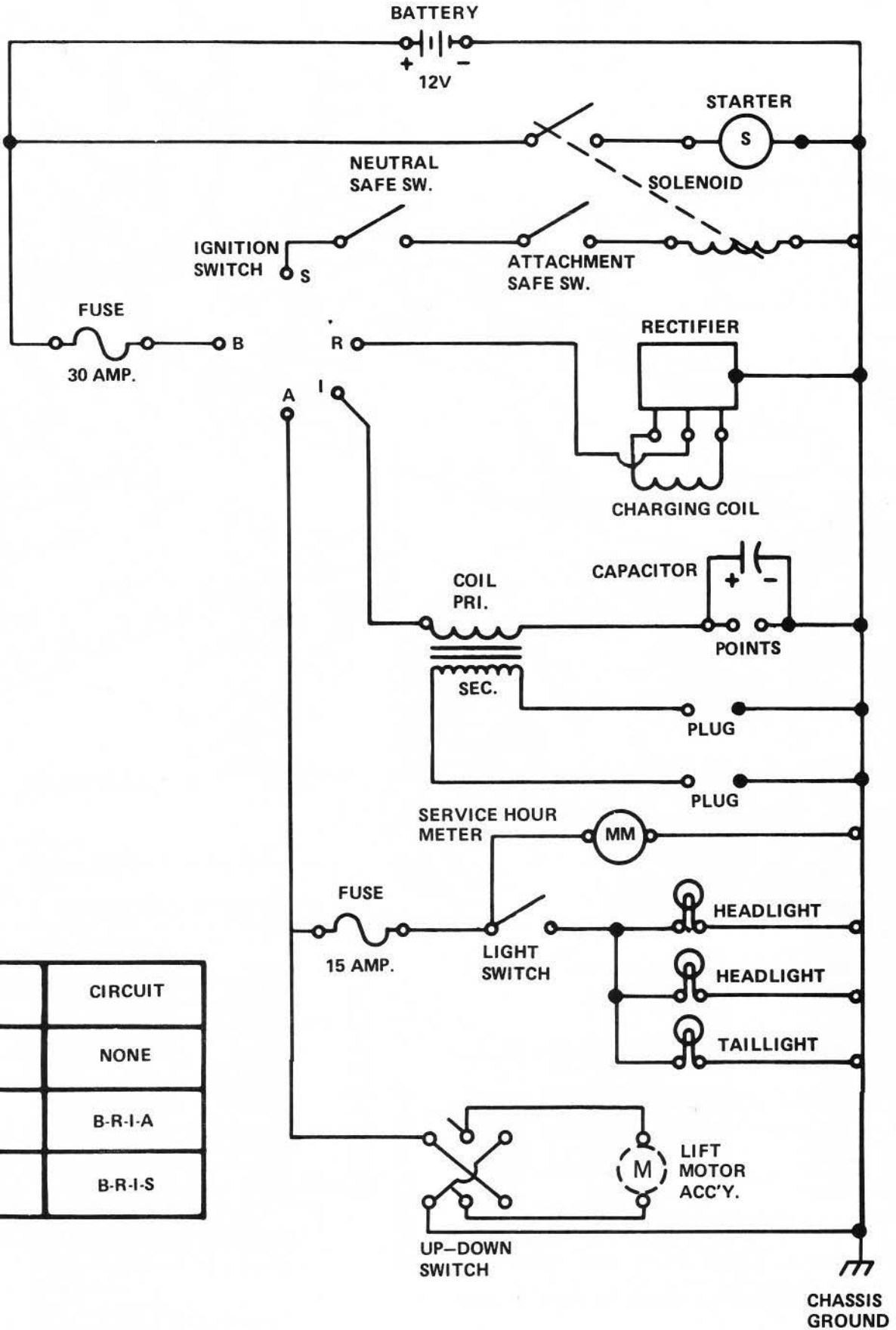
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	2505P	Cotter Pin 1/8 x 3/4	13	1520P	Washer 469 I.D. x 1 - 1/8 x 11 Ga.
2	9288R	Clutch Rod	14	634AG66	Flat Idler (Inc. Key No's. 10 & 16)
3	2514P	Cotter Pin 1/4 x 1	15	STD551143	*Lockwasher 7/16
4	6486H	Spring	16	STD541043	*Hex Nut 7/16 - 14 UNC
5	STD551037	*Washer 13/32 x 13/16 x 16 Ga.	17	9858M1	Woodruff Key 3/16 x 5/8
6	7810H	Locknut 3/8 - 24 UNF	18	STD581050	*E-Ring
7	634A754	Idler Bracket Weldment	20	4939M	Retainer Spring
8	634A86	Clutch Idler (Inc. Key No's. 22 & 6)	21	8254R	Retainer Spring
9	626A31A	Steering Arm Assembly	22	STD623710	*Hex Bolt 3/8 - 24 x 1
10	3262P	Hex Bolt 7/16 - 14 x 2 - 1/2	23	4501P	Sq. Hd. Set Screw C.P. 5/16 - 18 x 1/2
11	1518P	Washer 15/32 x 11/16 x 16 Ga.	24	1545P	Washer 17/32 x 1 x 16 Ga.
12	5892R	Belt Guide Finger	25	1587P	Washer 17/32 x 1 - 1/16 x 21 Ga.

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

SCHEMATIC DIAGRAM

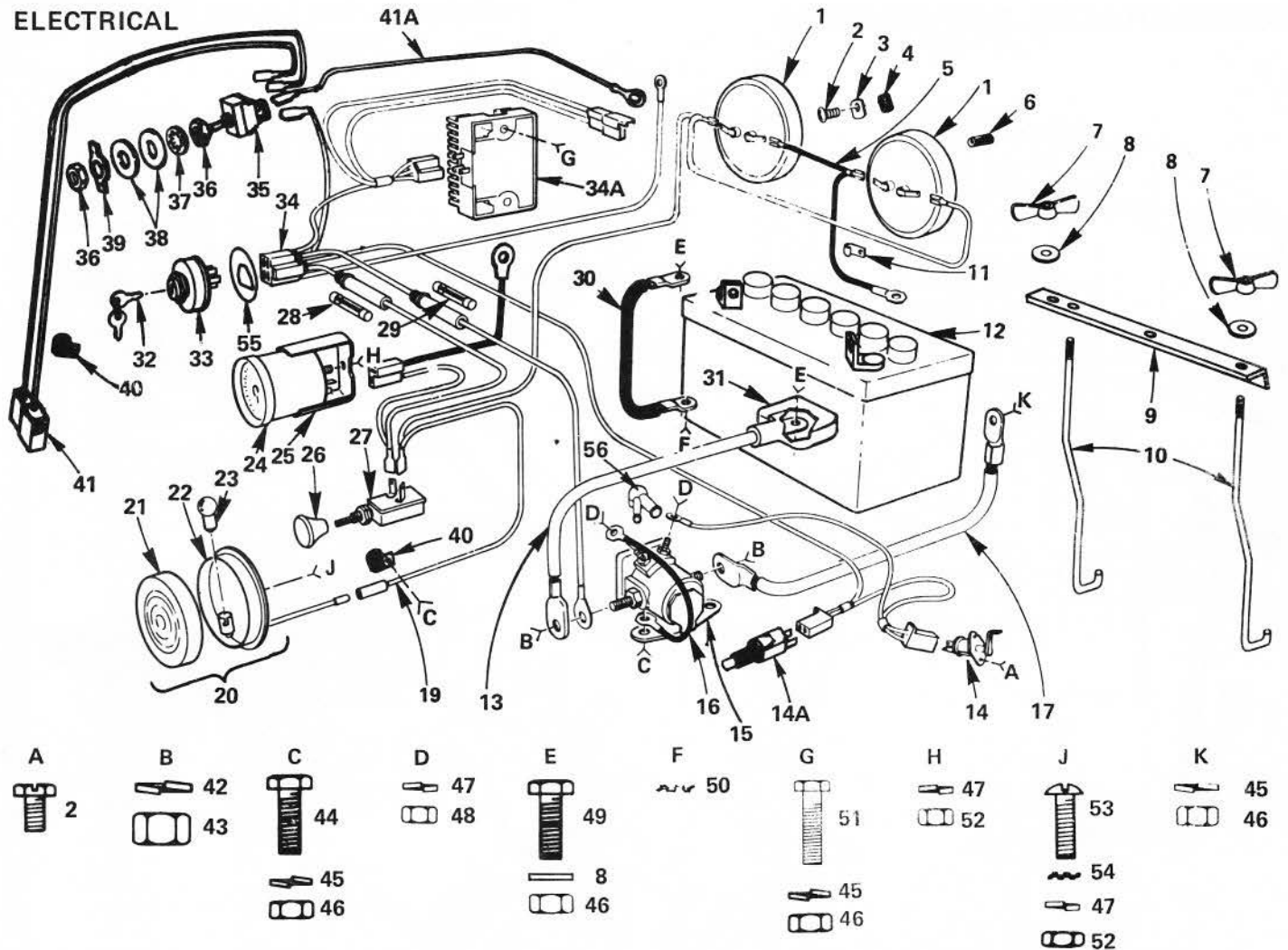


POSITION	CIRCUIT
OFF	NONE
RUN	B-R-I-A
START	B-R-I-S

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

ELECTRICAL

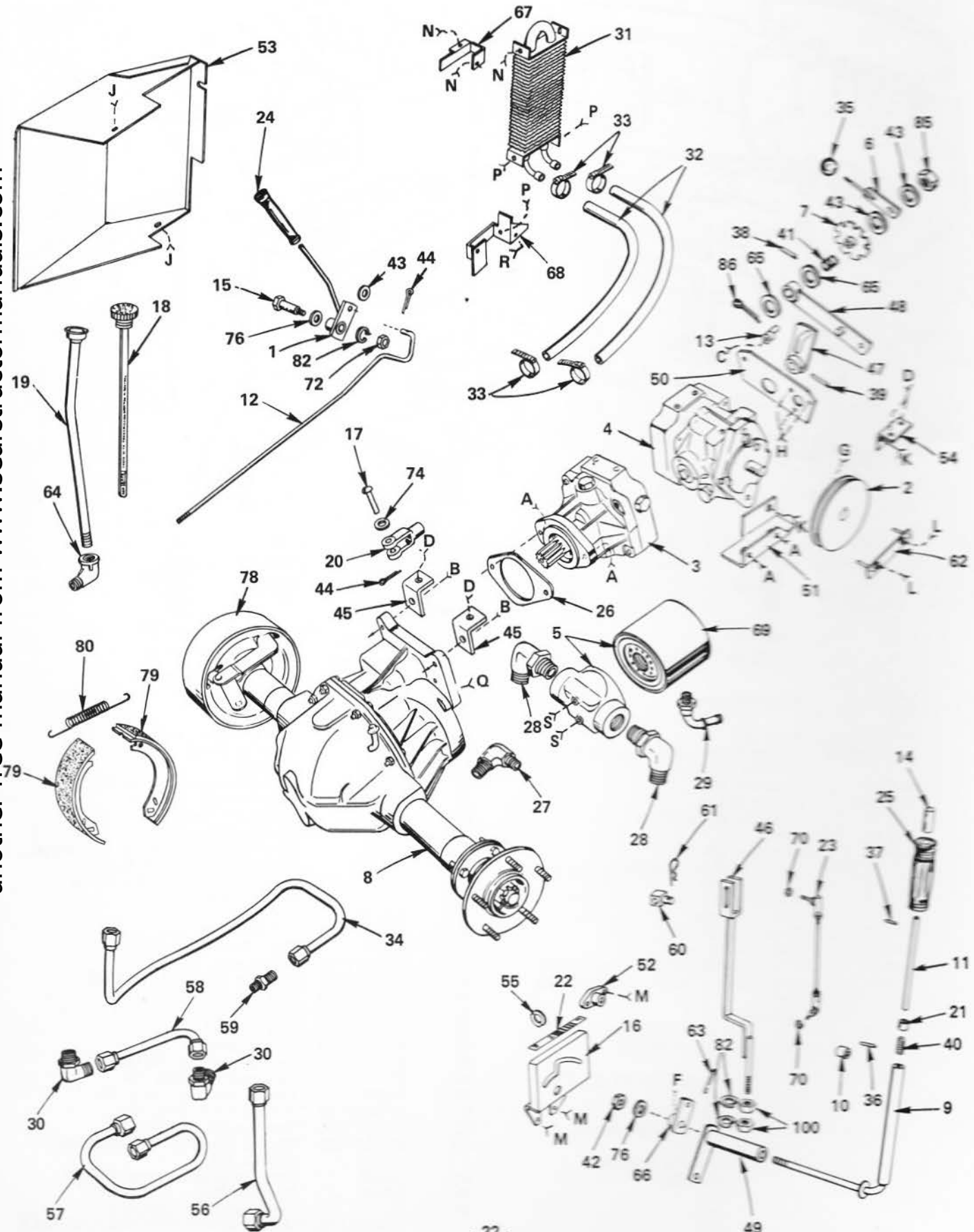


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	6452R	Headlight	30	2753R	Battery Cable - Ground
2	STD601003	*Phillips Pan Hd. Thd. Cutting Screw 10 - 24 x 3/8 Type T	31	225J	Terminal Cover - Battery
3	8768H	Mounting Clip	32	7552H	Key Set
4	8784H1	Rubber Spacer	33	2683R	Ignition Switch (Inc. Key No. 32)
5	8031R	Headlight Ground Wire	34	9854R	Main Harness - Ignition
6	9197H	Hose	34A	7753R	Regulator - Rectifier
7	3748M	Wing Nut 1/4 - 20	35	8984R	Switch, Elec. Lift
8	STD551025	*Washer 9/32 x 5/8 x 16 Ga.	36	566P	Hex Nut, Steel 7/16 - 32 NS - 2A
9	9400R	Battery Clamp	37	7319R	Lockwasher, Internal Tooth
10	2685R	Battery Bolt	38	1518P	Washer 15/32 x 11/16 x 16 Ga.
11	4171R	Clip - Insulated	39	9349R	Switch Plate
12	8859R	Battery "Die Hard"	40	5320R	Clip, Wire
13	2235R	Cable - Battery	41	8985R	Lift Motor Harness
14	2249R	Safety Switch (Attachment Clutch)	41A	9698R	Wire, Ground Lift Switch
14A	3249R	Safety Switch (Hydro Drive Control Lever)	42	STD551131	*Lockwasher 5/16
15	7754R	Solenoid	43	STD541331	*Hex Jam Nut 5/16 - 24 UNF
16	8027R	Wire - Ground to Solenoid	44	STD522506	*Hex Bolt 1/4 - 20 x 5/8
17	2226R	Cable-Solenoid to Starter	45	STD551125	*Lockwasher 1/4
19	8030R	Light Harness	46	STD541025	*Hex Nut 1/4 - 20 UNC
20	8089H	Taillight (Inc. Key No. 21, 22, 23)	47	STD551110	*Lockwasher No. 10
21	8292H	Lens - Taillight	48	STD541110	*Hex Nut No. 10 - 32 UNF
22	8293H	Housing - Taillight	49	STD522507	*Hex Bolt 1/4 - 20 x 3/4
23	8291H	Bulb No. 1895 2 Candle Power	50	1402P	Ext. Tooth Lockwasher 3/8
24	7763R	Service Hour Meter	51	STD522508	*Hex Bolt 1/4 - 20 x 7/8
25	8066R	Service Hour Meter Bracket	52	STD541010	*Hex Nut No. 10 - 24 UNC
26	7794R	Light Switch Knob	53	STD511005	*Slotted Truss Hd. Machine Screw 10 24 x 1/2
27	7793R	Light Switch	54	1404P	Ext. Tooth Lockwasher No. 10
28	2212R	Fuse - 15 Amp.	55	8656R	Terminal Tag
29	6347R	Fuse - 30 Amp.	56	51J	Terminal Cover - Solenoid

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

HYDROSTATIC AXLE, PUMP AND MOTOR

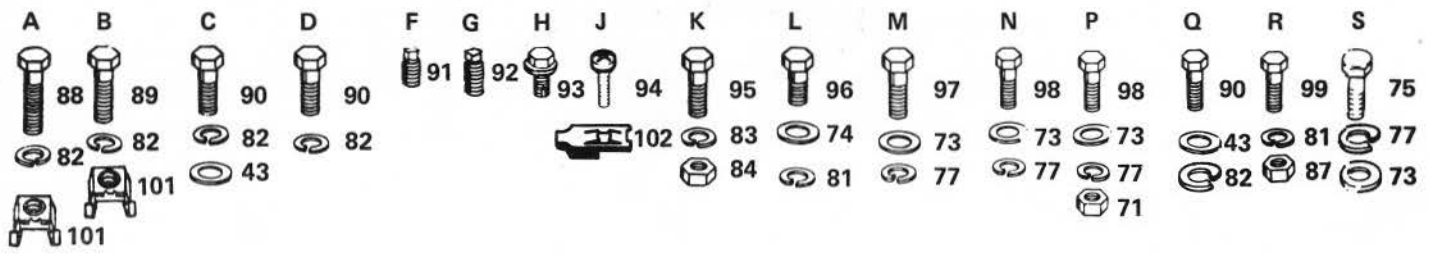


REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

HYDROSTATIC AXLE, PUMP AND MOTOR

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	634A640	Parking Brake Handle Weldment	55	5999H	Spring Washer
2	634A652	Pump Pulley with Set Screw	56	5133R	Suction Line
3	634A655	Hydrostatic Motor	57	5130R	Pressure Line No. 1
4	634A656	Hydrostatic Pump	58	5131R	Pressure Line No. 2
5	634A657	Filter Assembly (Inc. Key No. 69)	59	5128R	Straight Connector "O" Ring to Flare
6	634A668	By-Pass Valve Handle Weldment	60	9420H	Leveling Pin
7	634A669	Rotating Plate Weldment	61	4940M	Retainer Spring
8	668A12	Axle Assembly (Inc. Key No. 78)	62	634A646	Belt Guide Weldment
9	634A678	Control Lever Weldment	63	8120H	Coil Spring Pin
10	5868R	Quadrant Bushing	64	4012P	Street Elbow 90°
11	5864R	Lever Plunger	65	1527P	Washer 21/32 x 7/8 x 16 Ga.
12	5082R	Brake Rod	66	634A677	Control Arm (Ret. to Neut.) Weldment
13	5863R	Pivot Pin Cam Follower	67	634A671	Filter Top Weldment
14	5265R	Plunger Button	68	634A672	Filter Bottom Weldment
15	5093R	Parking Brake Pivot Pin	69	5276R	Cartridge for Filter Assembly
16	634A679	Quadrant Weldment	70	5886R	Center Locknut 5/16 - 24 UNF
17	5120R	Clevis Pin	71	STD541025	*Hex Nut 1/4 - 20 UNC
18	5136R	Transmission Cap and Dipstick Ass'y.	72	7810H	Locknut 3/8 - 24 UNF
19	5135R	Transmission Oil Filler Tube Ass'y.	73	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
20	5122R	Yoke	74	STD551031	*Washer 11/32 x 11/16 x 16 Ga.
21	5266R	Lever Plunger Guide	75	STD522507	*Hex Bolt 1/4 - 20 UNC x 3/4
22	5329R	Decal - Quadrant	76	1545P	Washer 17/32 x 1 x 16 Ga.
23	5879R	Connector Link and Joints	77	STD551125	*Lockwasher 1/4
24	4379H	Handle Grip - Shift	78	7303R	Brake Assembly
25	781J	Handle Grip	79	7304R	Brake Shoe and Lining
26	5273R	Gasket	80	7305R	Spring
27	5275R	Male 90° Elbow NPT to Flare	81	STD551131	*Lockwasher 5/16
28	5274R	90° Elbow "O" Ring to Flare	82	STD551137	*Lockwasher 3/8
29	5764R	"O" Ring to Hose Elbow	83	STD551150	*Lockwasher 1/2
30	5127R	90° Elbow "O" Ring to Flare	84	STD541050	*Hex Nut 1/2 - 13 UNC
31	5760R	Oil Cooler	85	STD541437	*Locknut 3/8 - 16 UNC Grade B
32	5765R	Hydro Hose	86	STD561210	*Cotter Pin 1/8 x 1
33	5766R	Hose Clamp	87	STD541031	*Hex Nut 5/16 - 18 UNC
34	5134R	Suction Line	88	STD523712	*Hex Bolt 3/8 - 16 UNC x 1 - 1/4
35	7987R	Control Knob	89	STD523710	*Hex Bolt 3/8 - 16 UNC x 1
36	5142H	Roll Pin	90	3022P	Hex Bolt 3/8 - 16 UNC x 7/8
37	1364H	Roll Pin	91	4501P	Set Screw, Sq. Hd. - C.P. 5/16 - 18 UNC x 1/2
38	175H	Roll Pin	92	4503P	Set Screw, Square Head C.P. 5/16 - 18 UNC x 5/8
39	6207R	Groove Pin	93	5584P	Cutting Screw, Hex Washer Hd. Thrd. 1/4 - 20 UNC x 3/4 Type T
40	2876H	Spring	94	3253P	Mach. Screw, Pan Hd. Phillips 1/4 - 20 UNC x 1/2
41	5280R	Spring	95	STD525015	*Hex Bolt 1/2 - 13 UNC x 1 - 1/2
42	9204H	Locknut 1/2 - 20 UNF	96	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
43	STD551037	*Washer 13/32 x 13/16 x 16 Ga.	97	STD522508	*Hex Bolt 1/4 - 20 UNC x 7/8 Gr. 5
44	2505P	Cotter Pin 1/8 x 3/4	98	STD522506	*Hex Bolt 1/4 - 20 UNC x 5/8
45	8103R	Mounting Tab (Axle)	99	STD522507	*Hex Bolt 5/16 - 18 UNC x 3/4
46	634A674	Conn, Rod (Ret. to Neut.) Weldment	100	STD541037	*Hex Nut 3/8 - 16 UNC
47	634A675	Cam Weldment	101	8115R	Nut Retainer
48	634A676	Cam Follower Weldment	102	3531R	"J" Clip
49	634A673	Directional Arm Weldment			*STANDARD HARDWARE--PURCHASE LOCALLY
50	5878R	Cam Follower Support			
51	8102R	Bottom Pump Bracket			
52	5272R	Lever Support			
53	634A972	Oil Cooler Air Shield Assembly			
54	634A647	Top Pump Bracket Weldment			

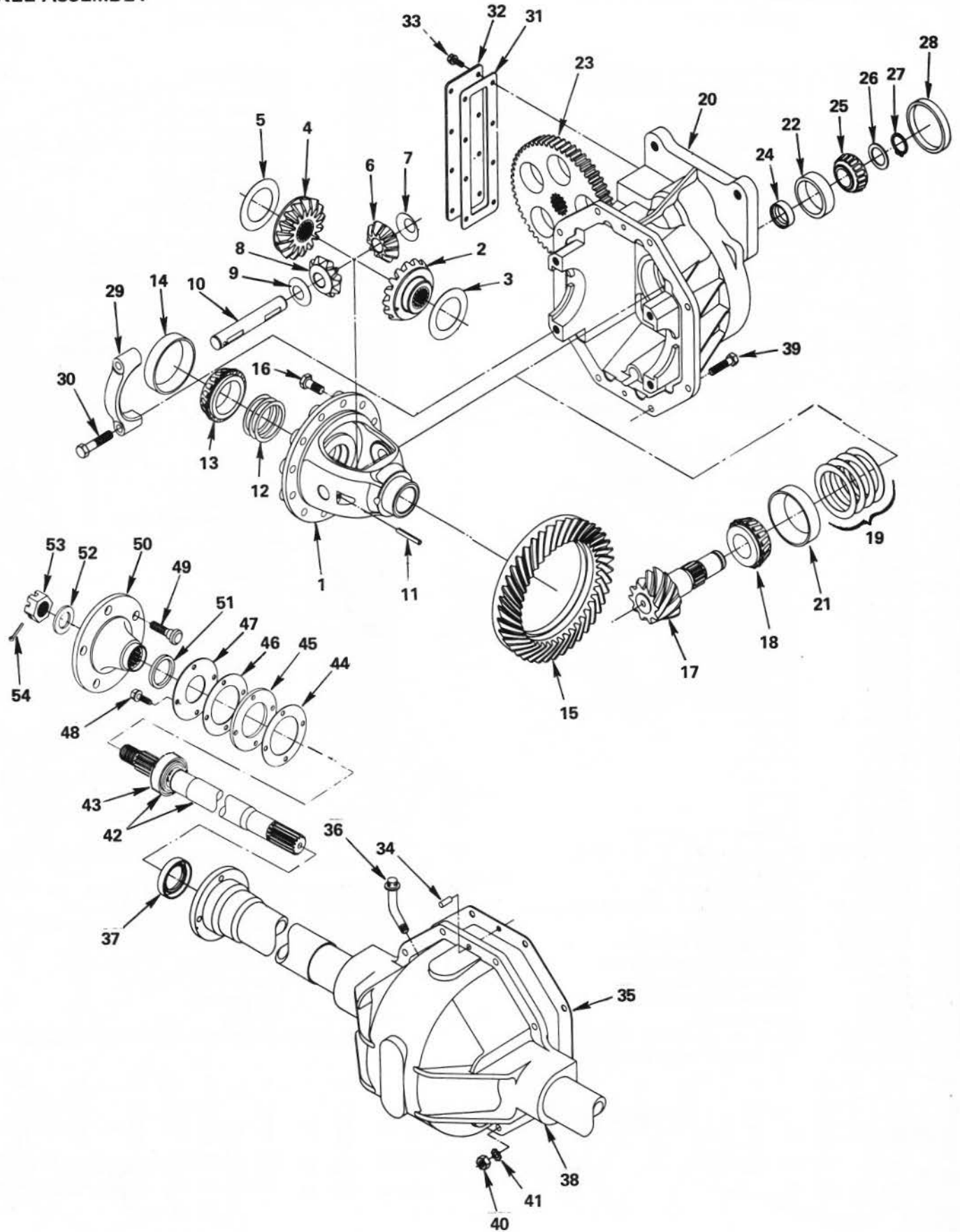


another free manual from www.searstractormanuals.com

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

AXLE ASSEMBLY



REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

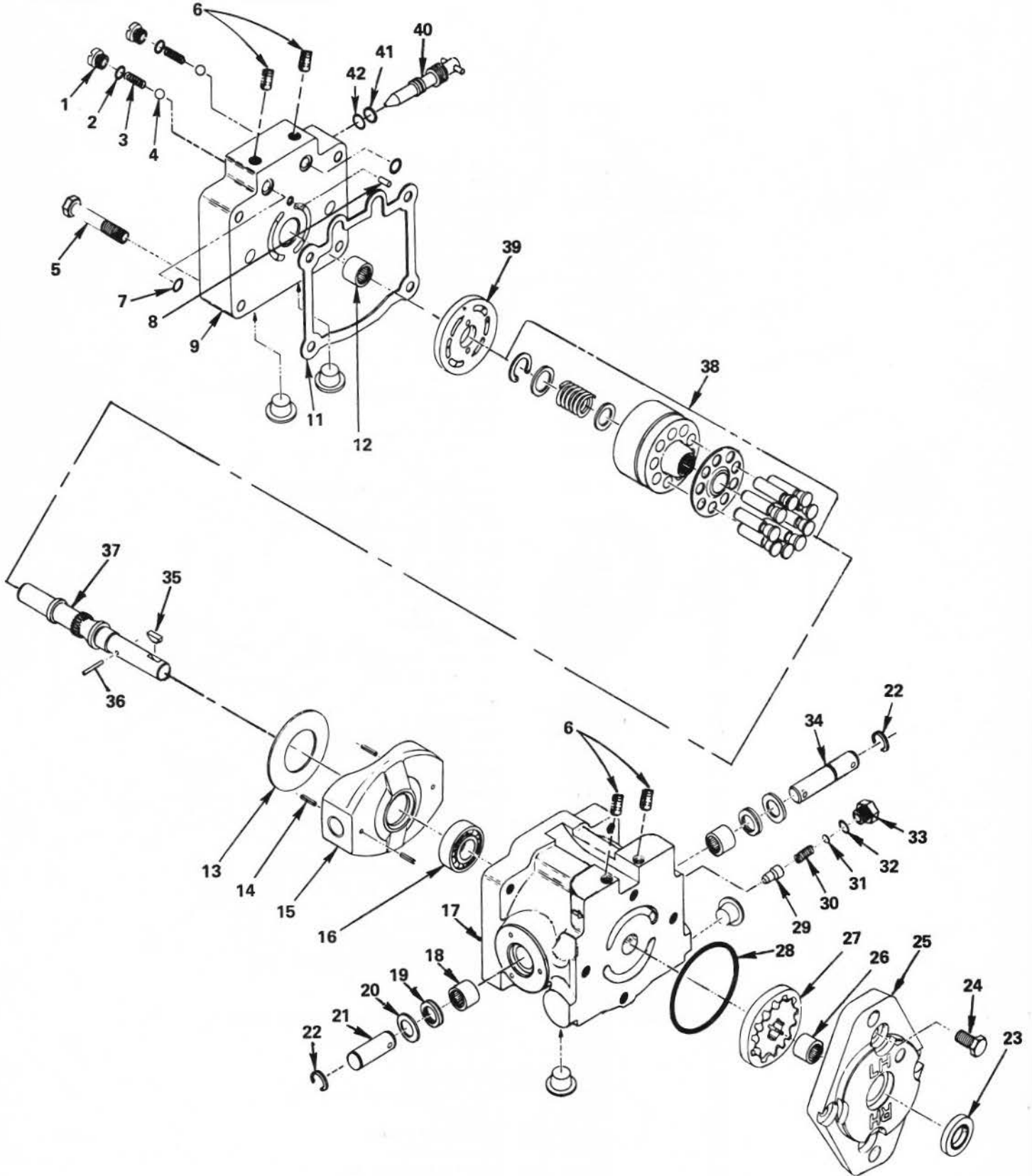
AXLE ASSEMBLY

KEY NO.	PART NO.	DESCRIPTION
1	7164R	Diff. Case
2 & 4	7165R	Diff. Gear (Set of Two)
3 & 5	7169R	Diff. Gear Thrust Washer (Set of Two)
6 & 8	7166R	Diff. Pinion Mate (Set of Two)
7 & 9	7170R	Diff. Pinion Thrust Washer
10	7167R	Diff. Shaft (Pin. Mate)
11	7168R	Diff. Shaft Lock Pin
12	7202R	Diff. Adj. Shim (Set of Four .003 to .030)
13	7207R	Brg. Cone
14	7206R	Brg. Cup
15 & 17	7171R	Gear and Pinion Assembly
16	7172R	Drive Screw
18	7201R	Roller Brg. Cone
19	7196R	Pin. Brg. Shim (Set of Four .003 to .030)
20, 29 & 30	7173R	Upper Hsg. Sub. Assembly (Inc. Key No. 30)
30	3299P	Hex Hd. Cap Screw 7/16 - 14 N.F.C. x 2 Grade 5
21	7200R	Roller Brg. Cup
22	7194R	Brg. Cup
23	7208R	Spur Gear
24	7195R	Pin Brg. Spacer
25	7193R	Brg. Cone
26	7179R	Pin. Brg. Shim (Set of Four - teen .031 to .057)
27	7178R	Snap Ring
28	7177R	Welch Plug
31	7174R	Gear Cover Gasket
32	7175R	Gear Cover
33	7176R	Hex Tap Screw
34	7217R	Dowel Pin
35	7210R	Housing Gasket
36	7214R	Vent Tube Assembly
37	7219R	Oil Seal
38	7215R	Lower Hsg. and Tube Assembly
39	3303P	Hex Bolt 5/16 - 24 NF x 1 - 1/4 Grade 5
40	519P	Hex Nut 5/16 - 24 NF
41	1003P	Lockwasher 5/16
42 & 43	7209R	Axle Shaft and Bearing (Inc. Key No. 43)
43	7211R	Wheel Bearing
44, 46 & 47	7180R	Wheel Bearing Gasket (Set of Three)
45	7181R	Wheel Bearing Retainer
48	7213R	Bolt
49	7216R	Wheel Bolt
50	7212R	Axle Shaft Flange Assembly
51	7218R	Felt Seal
52	7220R	Wheel End Washer
53	7221R	Wheel End Nut
54	7222R	Wheel End Cotter Pin

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

HYDROSTATIC PUMP ASSEMBLY



another free manual from www.searstractormanuals.com

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

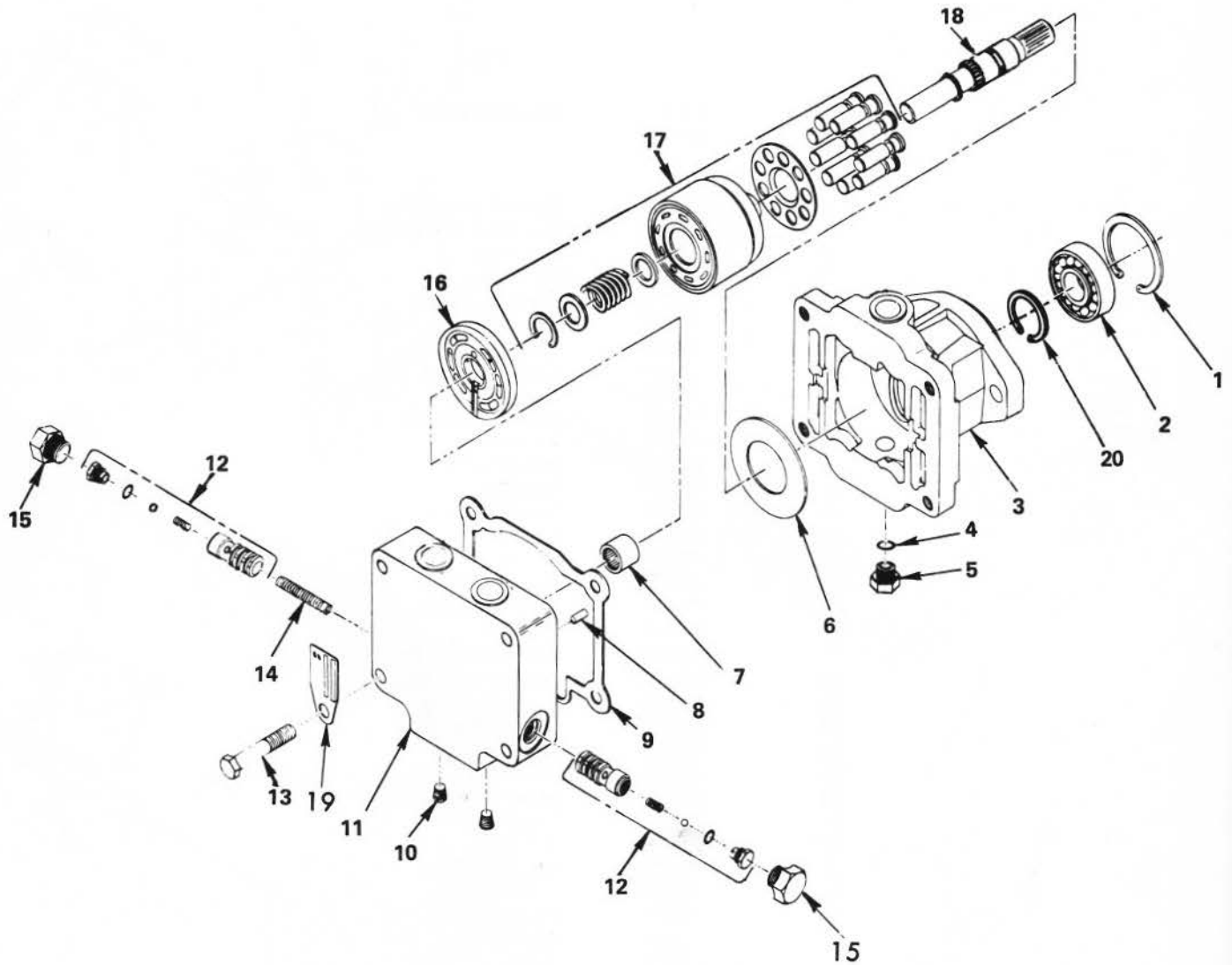
HYDROSTATIC PUMP ASSEMBLY

KEY NO.	PART NO.	DESCRIPTION
1, 2 3 AND 4	7223R	Check Valve Kit
5	7224R	Hex Head Cap Screw
6	7273R	Pipe Plug
7	7226R	"O" Ring
8	7227R	Headless Str. Pin
9	7228R	End Cap
11	7229R	Gasket
12	7230R	Needle Bearing
13	7231R	Thrust Plate
14	7232R	Coiled Spring Pin
15	7233R	Swashplate
16	7234R	Ball Bearing
17	7235R	Housing
18	7236R	Needle Bearing
19	7237R	Lip Seal
20	7238R	Washer
21	7239R	Trunnion Shaft
22	7240R	Retaining Ring
23	7241R	Lip Seal
24	7242R	Hex Head Cap Screw
25	7243R	Charge Pump Housing
26	7244R	Needle Bearing
27	7245R	Gerotor Assembly
28	7246R	"O" Ring
29	7247R	Relief Valve Cone
30	7248R	Relief Valve Spring
31	7249R	Shim Pack
32	7250R	"O" Ring
33	7251R	Hex Head Plug
34	7252R	Control Shaft
35	7253R	Woodruff Key
36	7254R	Head Str. Pin
37	7255R	Shaft
38	7256R	Cyl. Block Kit
39	7257R	Valve Plate
40	7258R	By-Pass Valve
41	7259R	Back-Up Ring
42	7260R	"O" Ring
---	634A656	Complete Pump Assembly

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

HYDROSTATIC MOTOR ASSEMBLY



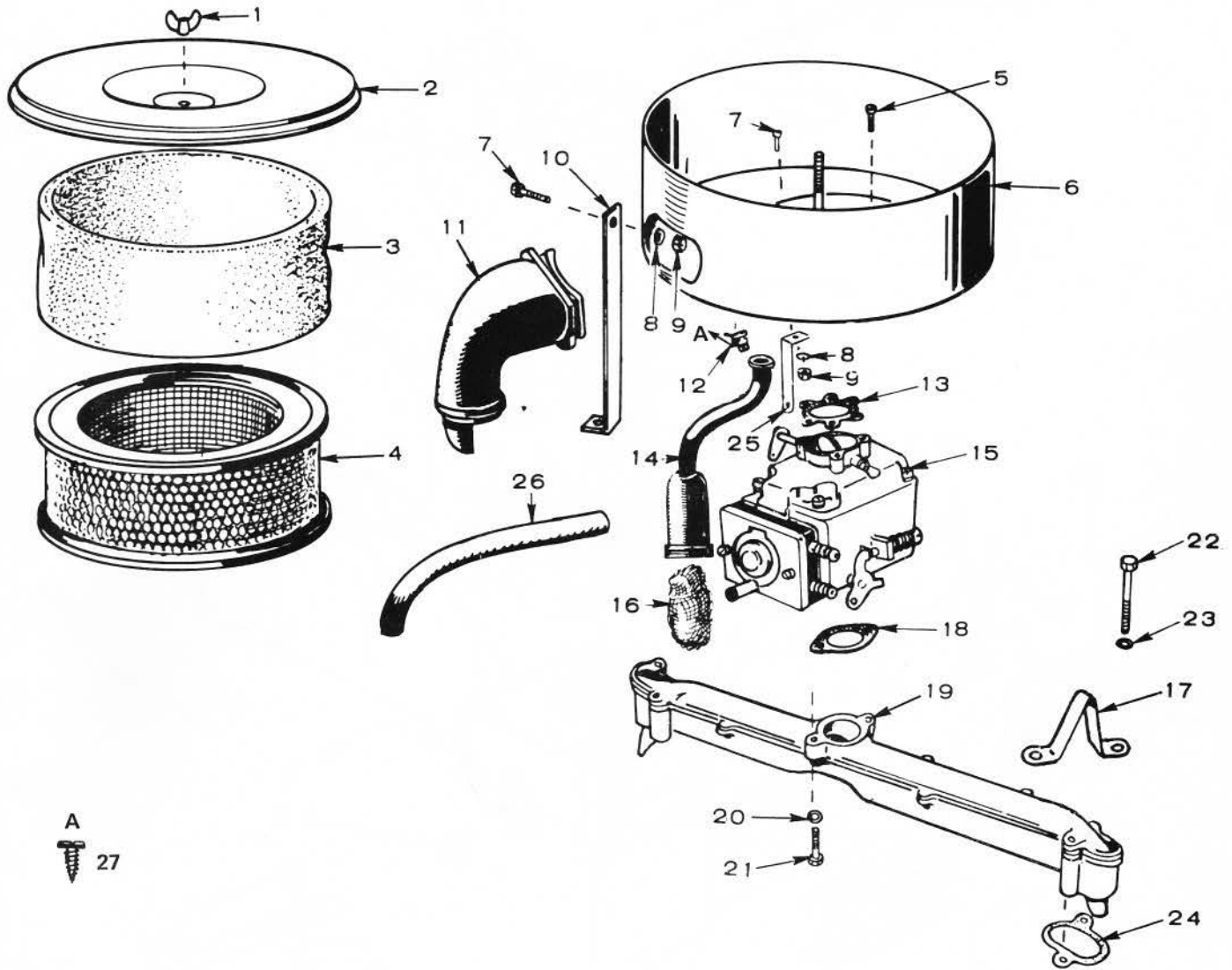
KEY NO.	PART NO.	DESCRIPTION
1	7262R	Retaining Ring
2	7263R	Ball Bearing
3	7264R	Motor Case
4 & 5	7265R	Hex Hd. Plug
6	7231R	Thrust Plate
7	7230R	Roller Bearing
8	7227R	Hdless. Str. Pin
9	7229R	Gasket
10	7273R	Pipe Plug

KEY NO.	PART NO.	DESCRIPTION
11	7272R	End Cap
12	7271R	Accelerator Valve Assembly
13	7279R	Hex Head Cap Screw
14	7275R	Accelerator Spring
15	7270R	Hex Head Plug
16	7276R	Valve Plate
17	7256R	Cyl. Block Kit
18	7278R	Motor Shaft
19	----	Model Plate
20	224J	Retaining Ring
---	634A655	Complete Motor Assembly

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

FUEL SYSTEM GROUP



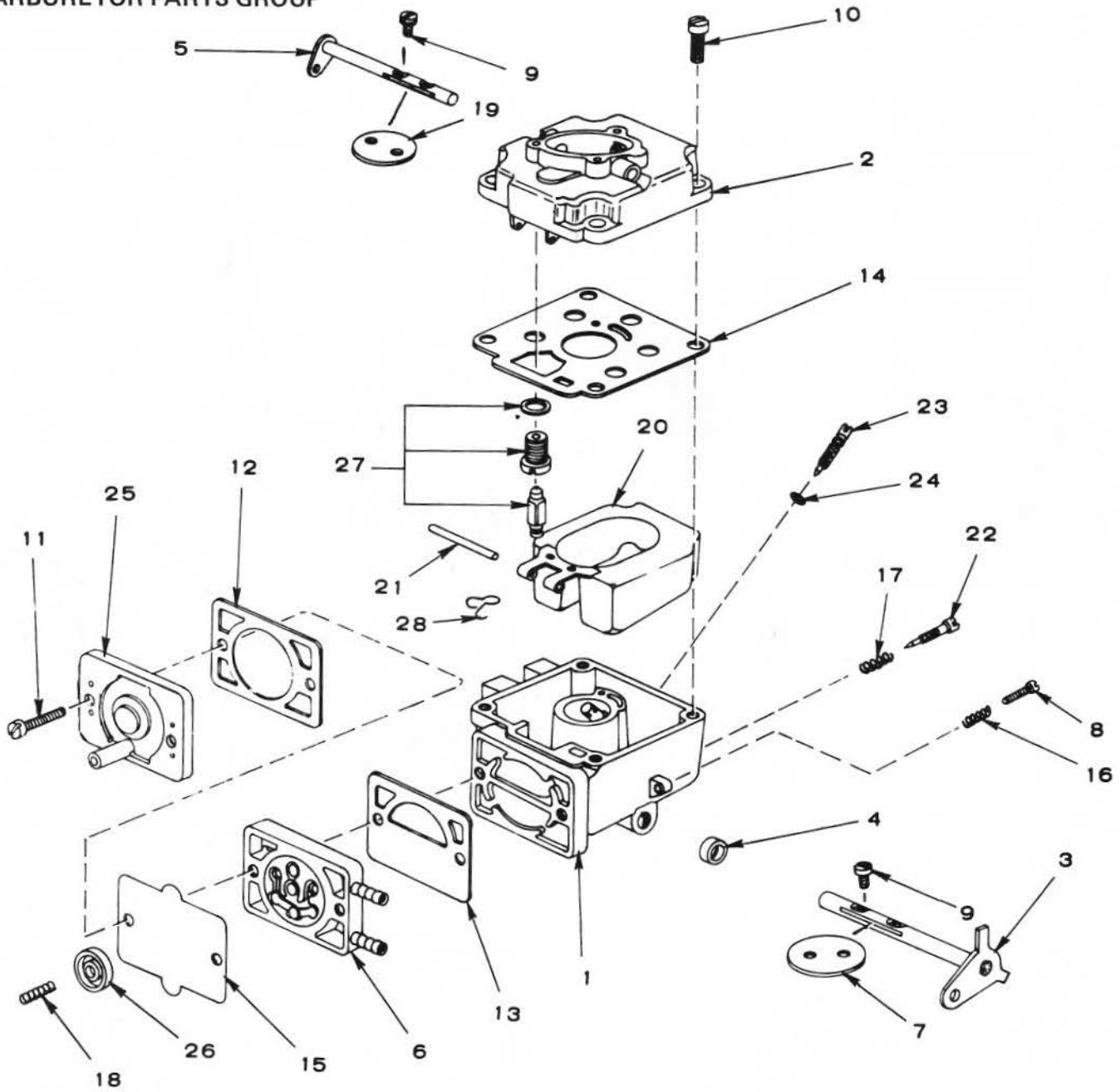
KEY NO.	PART NO.	DESCRIPTION
1	865-0020	Wing Nut (1/4 - 20)
2	140-1168	Air Cleaner Cover
3	140-1259	Air Cleaner Wrapper
4	140-1216	Air Cleaner Element
5	815-0463	Machine Screw, Slotted Head (No. 10 - 32 x 5/8")
6	140-1213	Air Cleaner Housing
7	800-0003	Cap Screw (1/4 - 20 x 1/2")
8	853-0013	Lockwasher (1/4")
9	862-0001	Hex Nut (1/4 - 20)
10	140-1198	Support
11	140-1169	Air Intake Tube
12	518-0328	Cable Clip
13	140-1215	Gasket
14	123-1277	Breather Tube

KEY NO.	PART NO.	DESCRIPTION
15	142-0568	Carburetor
16	123-0865	Filter
17	403-1021	Lifting Bracket
18	145-0438	Gasket
19	154-1468	Intake Manifold
20	850-0040	Lockwasher (1/4")
21	800-0023	Cap Screw (1/4 - 20 x 1 - 3/8")
22	CAP SCREW	5/16 - 18 x 2"
		800-0033
		800-0034
23	850-0045	Lockwasher (5/16")
24	154-1744	Gasket
25	140-1313	Support
26	503-0740	Fuel Hose
27	5592P	Tap Screw Sl. Pan Hd. No. 8 x 3/4 Type AB

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

CARBURETOR PARTS GROUP



KEY NO.	PART NO.	DESCRIPTION
1	142-0574	Body
2	142-0573	Body
3	142-0534	*Throttle Shaft
4	142-0535	+Seal
5	142-0536	Choke Shaft
6	142-0537	*Valve Assembly
7	142-0538	Fly
8	142-0064	Stop Screw
9	142-0334	*Screw
10	142-0539	Screw
11	142-0540	Screw
12	142-0541	+Gasket
13	142-0542	+Gasket
14	142-0572	+Gasket
15	142-0555	+Diaphragm
16	142-0544	Spring

KEY NO.	PART NO.	DESCRIPTION
17	142-0282	*Spring
18	142-0545	*Spring
19	142-0546	Fly
20	142-0547	Float
21	142-0548	*Shaft
22	142-0016	Idle Needle
23	142-0549	High Speed Screw
24	142-0550	+Seal
25	142-0551	Cover
26	142-0552	*Plate
27	142-0553	*Valve Assembly
28	142-0554	Retaining Clip
---	142-0571	Gasket Kit (Inc. Parts Marked +)
---	142-0570	Repair Kit (Inc. Parts Marked *)

+Parts included in 142-0571 Gasket Kit.

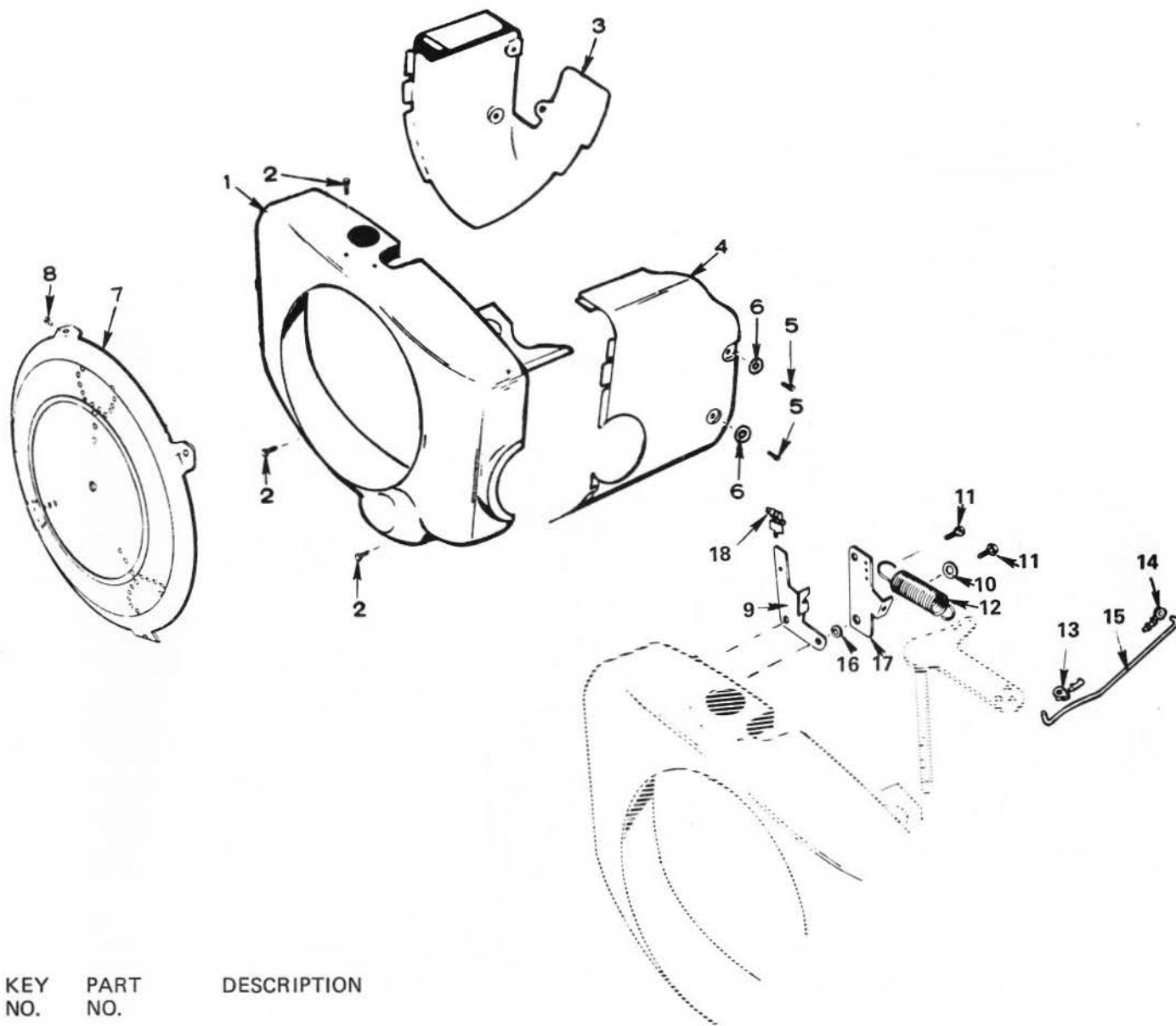
*Parts included in 142-0570 Repair Kit.

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070

ONAN ENGINE--MODEL NO. B48M-GA018/3475A

BLOWER HOUSING AND GOVERNOR GROUP

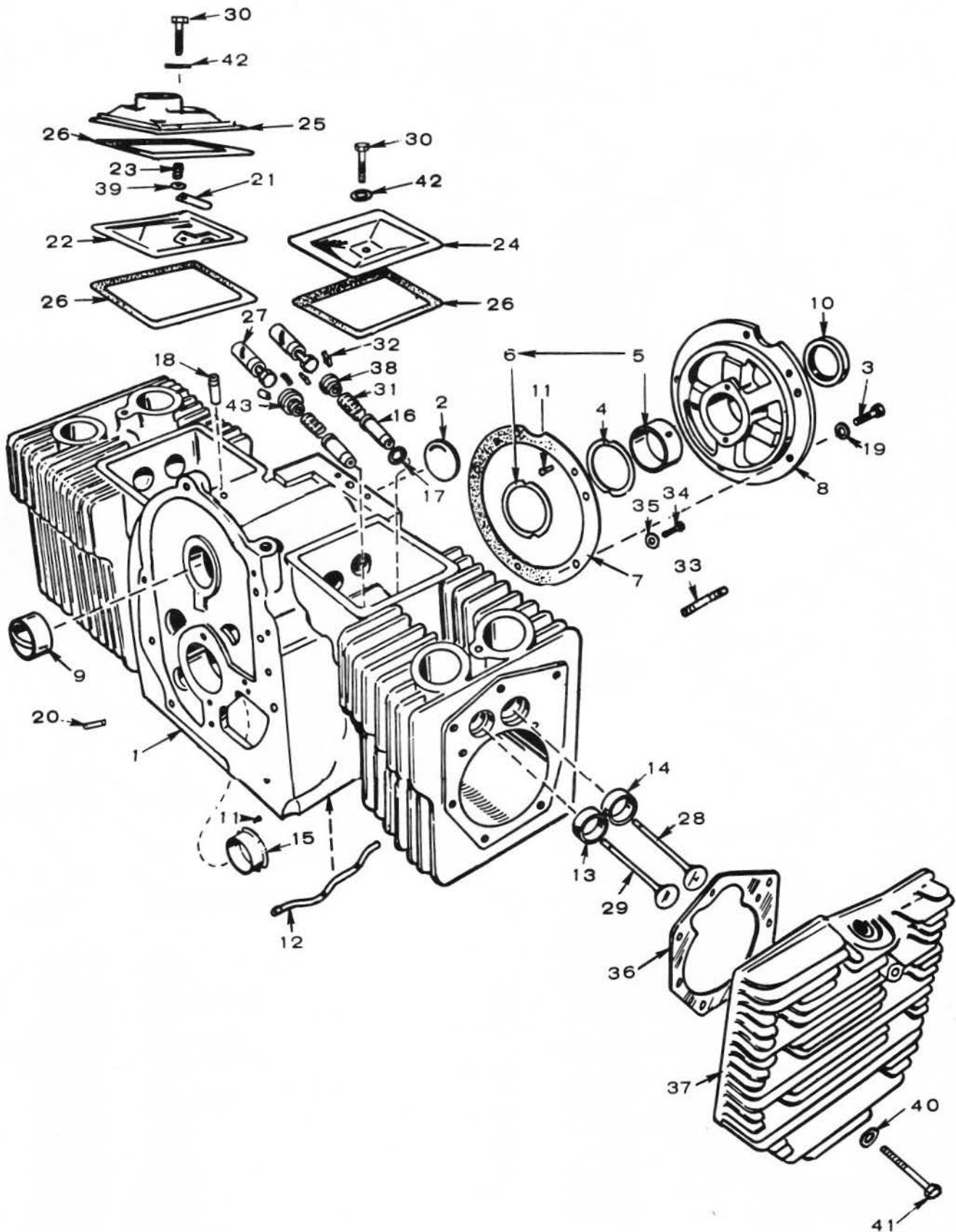


KEY NO.	PART NO.	DESCRIPTION
1	134-3567	Blower Housing
2	815-0261	Cap Screw (1/4 - 20 x 7/16")
3	134-2989	Cylinder Air Housing, Left Side
4	134-3518	Cylinder Air Housing, Right Side
5	815-0290	Cap Screw (1/4 - 20 x 5/8")
6	526-0021	Flat Washer (17/64" I.D. x 3/4" O.D. x 1/16" Thick)
7	134-3213	Guard
8	815-0378	Cap Screw, W/ET (No. 14 x 1/2")
9	150-1343	Bracket
10	526-0214	Flat Washer (17/64" I.D. x 1/2" O.D. x 1/16" Thick)
11	815-0436	Cap Screw (1/4 - 20 x 1/2")
12	150-1214	Spring
13	870-0278	Retainer Clip
14	518-0004	Retainer Clip
15	150-1350	Rod
16	150-1269	Bushing
17	150-1576	Arm
18	518-0176	Clip

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

CYLINDER BLOCK GROUP



another free manual from www.searstractormanuals.com

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

CYLINDER BLOCK GROUP

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	110-2590	Cylinder Block Assembly	21	123-1175	Reed
2	517-0048	*Plug	22	123-1173	Baffle
3	800-0051	*Cap Screw (3/8 - 16 x 1 - 1/4")	23	123-1174	Spring
4	104-0776	*Shim (.005" Thick)	24	110-1879	Valve Cover
5	CRANKSHAFT BEARING, REAR		25	110-2274	Valve Cover
	101-0450	*Standard	26	110-1921	Gasket
	101-0450-02	.002" Undersize	27	VALVE TAPPET	
	101-0450-10	.010" Undersize		115-0006	*Standard
	101-0450-20	.020" Undersize		115-0006-01	.001" Oversize
	101-0450-30	.030" Undersize		115-0006-02	.002" Oversize
6	104-0575	*Thrust Washer		115-0006-05	.005" Oversize
7	101-0415	*Gasket	28	110-1808	Intake Valve
8	101-0439	*Bearing Plate, Rear	29	110-1809	Exhaust Valve
9	101-0405	*Camshaft Bearing	30	800-0010	Cap Screw (1/4 - 20 x 3/4")
10	509-0041	*Seal	31	110-0539	Valve Spring
11	516-0072	*Drive Pin	32	110-0639	Valve Spring Lock
12	120-0735	*Tube	33	520-0820	Stud
13	VALVE SEAT INSERT, EXHAUST		34	800-0046	Cap Screw (3/8 - 16 x 1/2")
	110-1824	*Standard	35	526-0066	Flat Washer, Copper (25/64" I.D. x 9/16" O.D. x 1/16" Thick)
	110-1824-02	.002" Oversize	36	110-2287	Head Gasket
	110-1824-05	.005" Oversize	37	CYLINDER HEAD	
	110-1824-10	.010" Oversize		110-2564	Right Side
	110-1824-25	.025" Oversize		110-2563	Left Side
14	VALVE SEAT INSERT, INTAKE		38	110-0904	Roto-Cap - Exhaust Valves
	110-0197	*Standard	39	526-0018	Flat Washer (17/64" I.D. x 5/8" O.D. x 1/16" Thick)
	110-0197-02	.002" Oversize	40	526-0122	Flat Washer 11/32" I.D. x 23/32" O.D. x 10 Ga.)
	110-0197-05	.005" Oversize	41	CAP SCREW - SPECIAL	
	110-0197-10	.010" Oversize		800-0540	5/16 - 18 x 1 - 5/8"
	110-0197-25	.025" Oversize		800-0541	5/16 - 18 x 2"
15	CRANKSHAFT BEARING, FRONT		42	526-0063	Flat Washer, Copper 17/64" I.D. x 7/16" O.D. x 1/32" Thick)
	101-0432	*Standard	43	110-0893	Retainers - Intake Valves
	101-0432-02	.002" Undersize		160-1213	Ignition Tune-up Kit
	101-0432-10	.010" Undersize		168-0140	Carbon Removal Gasket Kit
	101-0432-20	.020" Undersize		168-0141	Engine Gasket Kit
	101-0432-30	.030" Undersize			
16	110-1807	*Valve Guide			
17	110-0068	*Gasket			
18	149-1299	*Vacuum Tube			
19	850-0050	*Lockwasher (3/8")			
20	516-0141	*Alignment Pin			

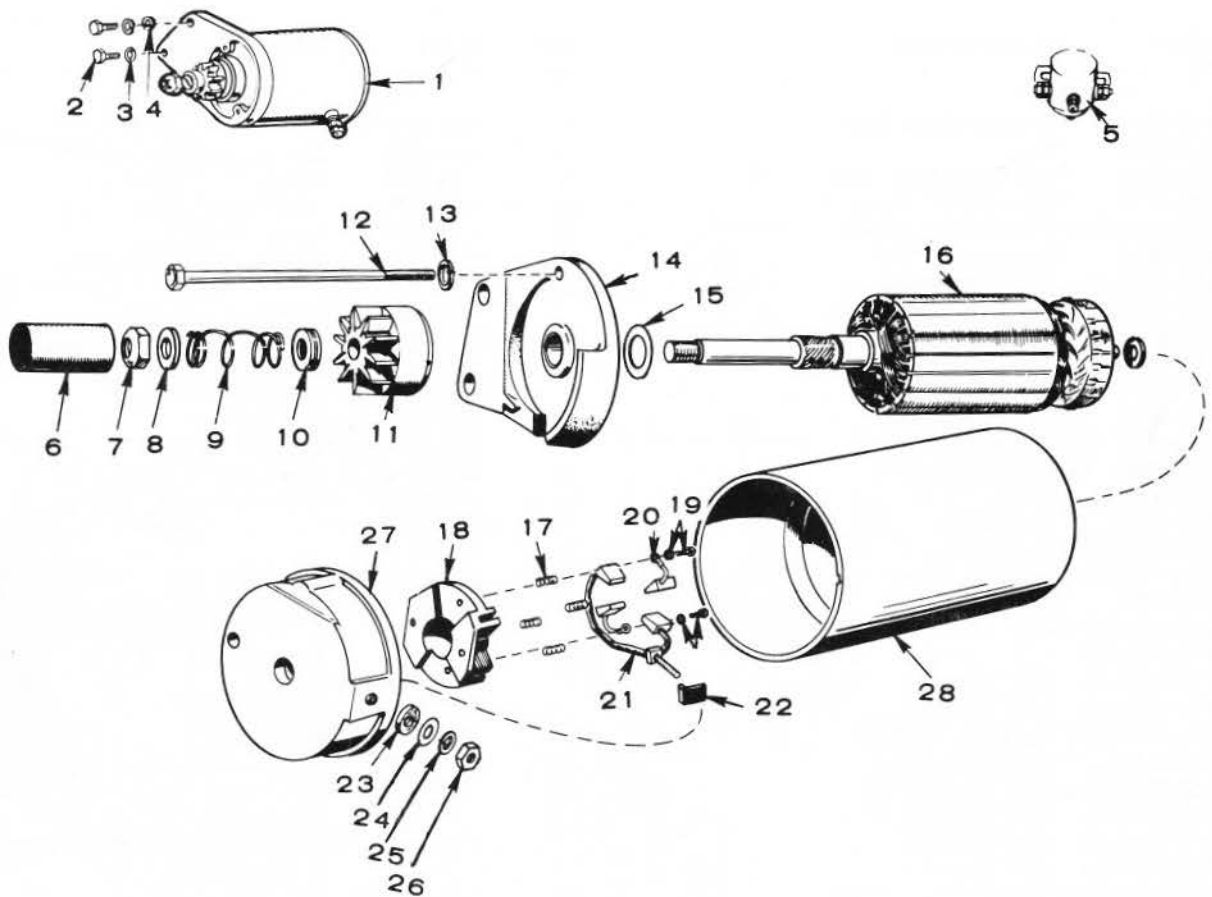
*Parts Included in Cylinder Block Assembly

another free manual from www.searstractormanuals.com

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

STARTER GROUP



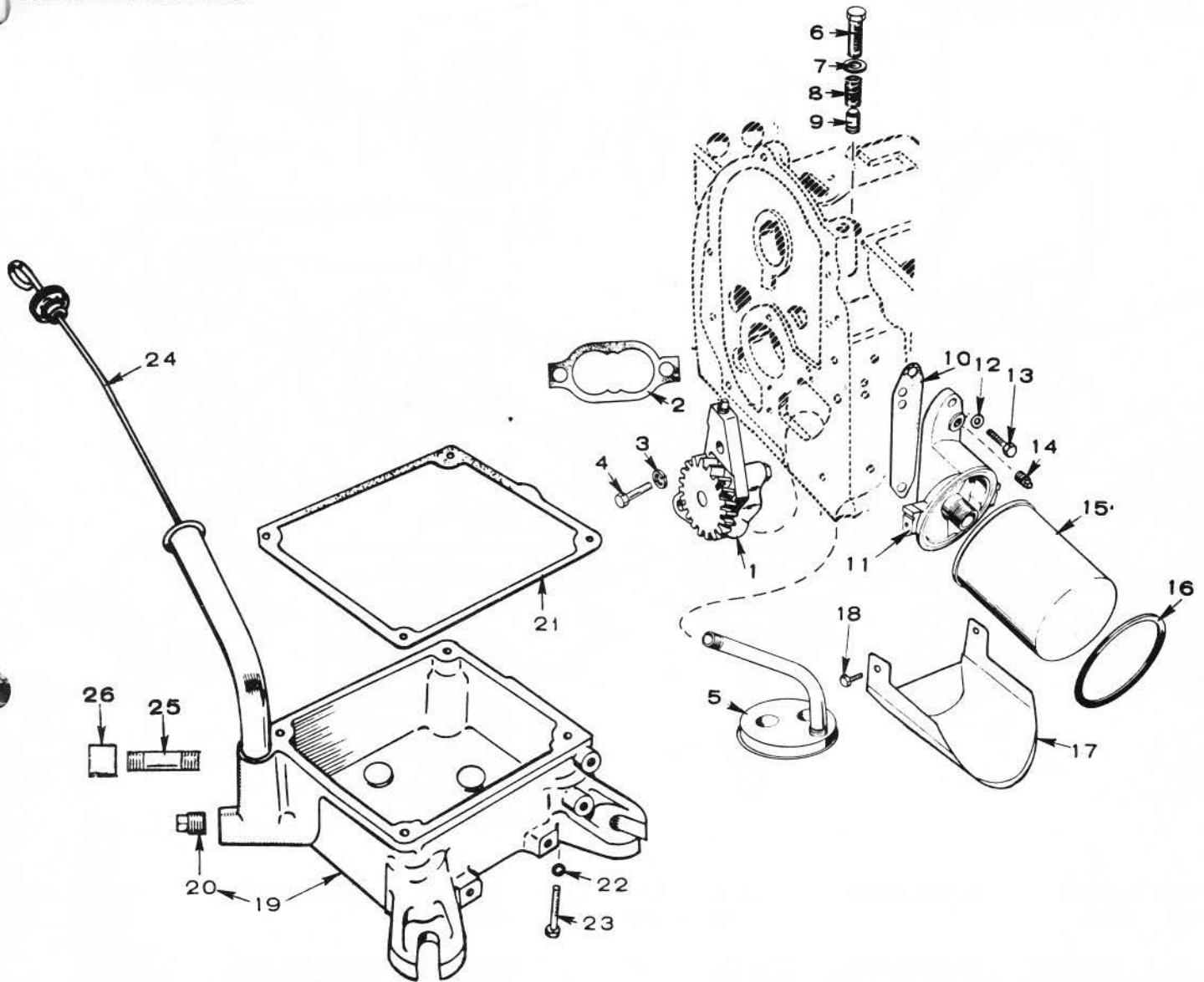
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	191-0933	Starting Motor, Complete	15	191-1038	Washer
2	800-0028	Cap Screw (5/16 - 18 x 1")	16	191-1039	Armature
3	850-0045	Lockwasher (5/16")	17	&	*+Spring
4	526-0113	Flat Washer (11/32" I.D. x 1" O.D. x 3/32" Thick)	18	&	+Brush
5	307-1031	Starting Solenoid	19	&	+Screw and Lockwasher
6	191-1034	Dust Cover	20	&	*+Brush
7	191-1045	Stop Nut	21	&	*+Stud and Brush Assembly
8	191-1046	Washer	22	&	+Bushing
9	191-1035	Spring	23	&	+Insulation Washer
10	191-1047	Spacer	24	&	+Flat Washer
11	191-1036	Drive Assembly	25	&	+Lockwasher
12	191-1048	Cap Screw	26	&	+Nut
13	850-0040	Lockwasher (1/4")	27	191-1040	Cap Assembly (Inc. Parts Marked +)
14	191-1037	Cap Assembly	28	&	Housing
				191-1041	Repair Package (Inc. Parts Marked *)

+Parts included in 191-1040 Cap Assembly
*Parts included in 191-1041 Repair Package
&Not Sold Separately

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

OIL SYSTEM GROUP

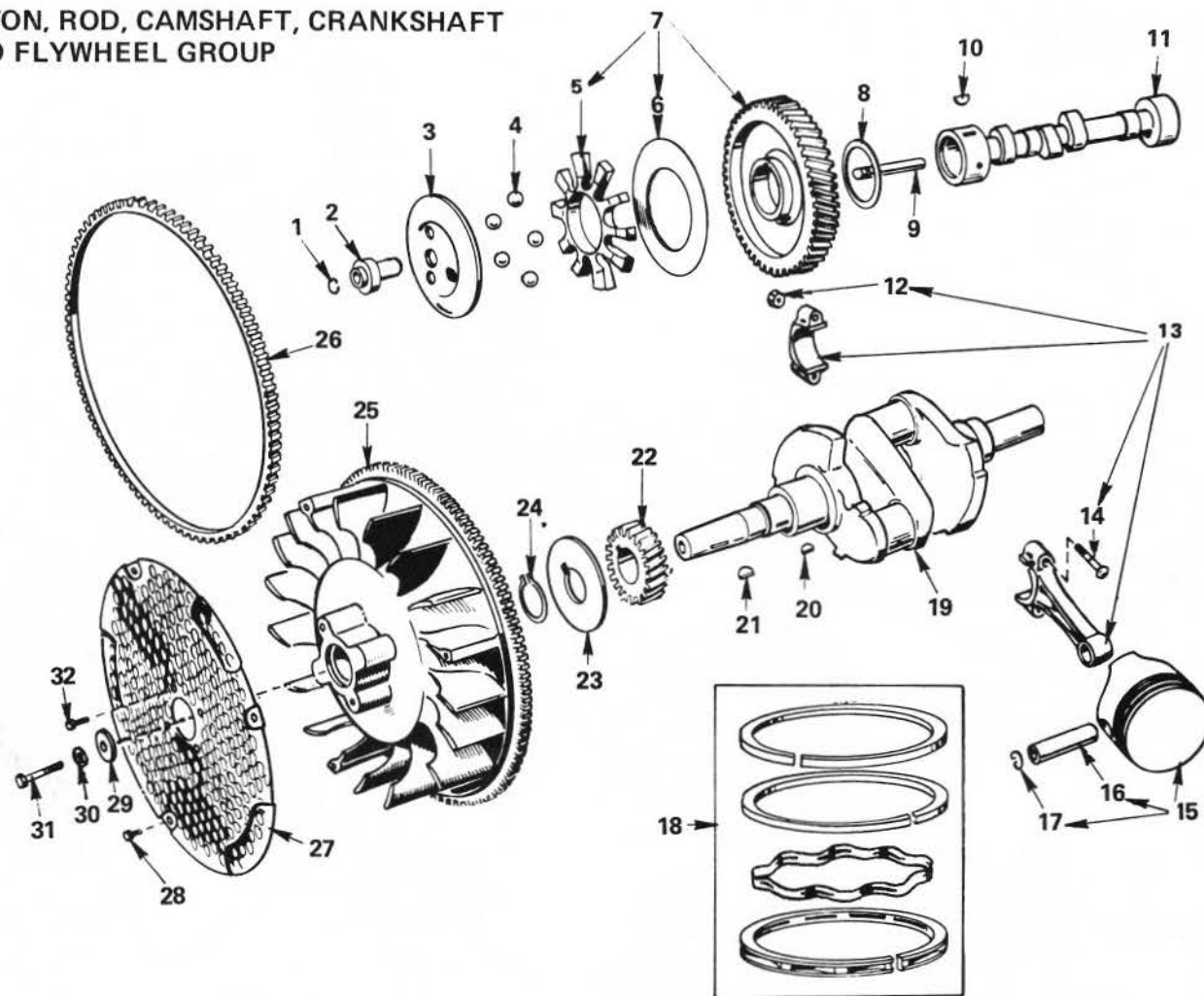


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	120-0491	Oil Pump (Components Not Sold Separately)	13	800-0028	Cap Screw (5/16 - 18 x 1)
2	120-0161	Oil Pump Gasket Kit	14	505-0057	Pipe Plug
3	850-0040	Lockwasher (1/4")	15	122-0338	Oil Filter
4	800-0007	Cap Screw (1/4 - 20 x 1")	16	122-0347	Air Seal, Filter to Housing
5	120-0713	Intake Cup	17	122-0360	Oil Drain
6	801-0050	Cap Screw (3/8 - 24 x 1")	18	815-0194	Cap Screw W/ET (No. 10 - 32 x 3/8")
7	526-0066	Flat Washer, Copper (25/64" I.D. x 9/16" O.D. x 1/16" Thick)	19	102-0741	Oil Base
8	120-0140	Spring	20	505-0056	Plug
9	120-0398	Plunger	21	102-0693	Gasket
10	122-0321	Gasket	22	850-0050	Lockwasher (3/8")
11	122-0320	Adapter	23	800-0056	Cap Screw (3/8 - 16 x 2 - 1/2")
12	526-0065	Flat Washer, Copper (21/64" I.D. x 9/16" O.D. x 1/16" Thick)	24	123-1292	Cap and Indicator
			25	505-0176	Pipe Nipple (1/2 x 3 - 1/2")
			26	505-0158	Pipe Cap (1/2")

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

PISTON, ROD, CAMSHAFT, CRANKSHAFT AND FLYWHEEL GROUP

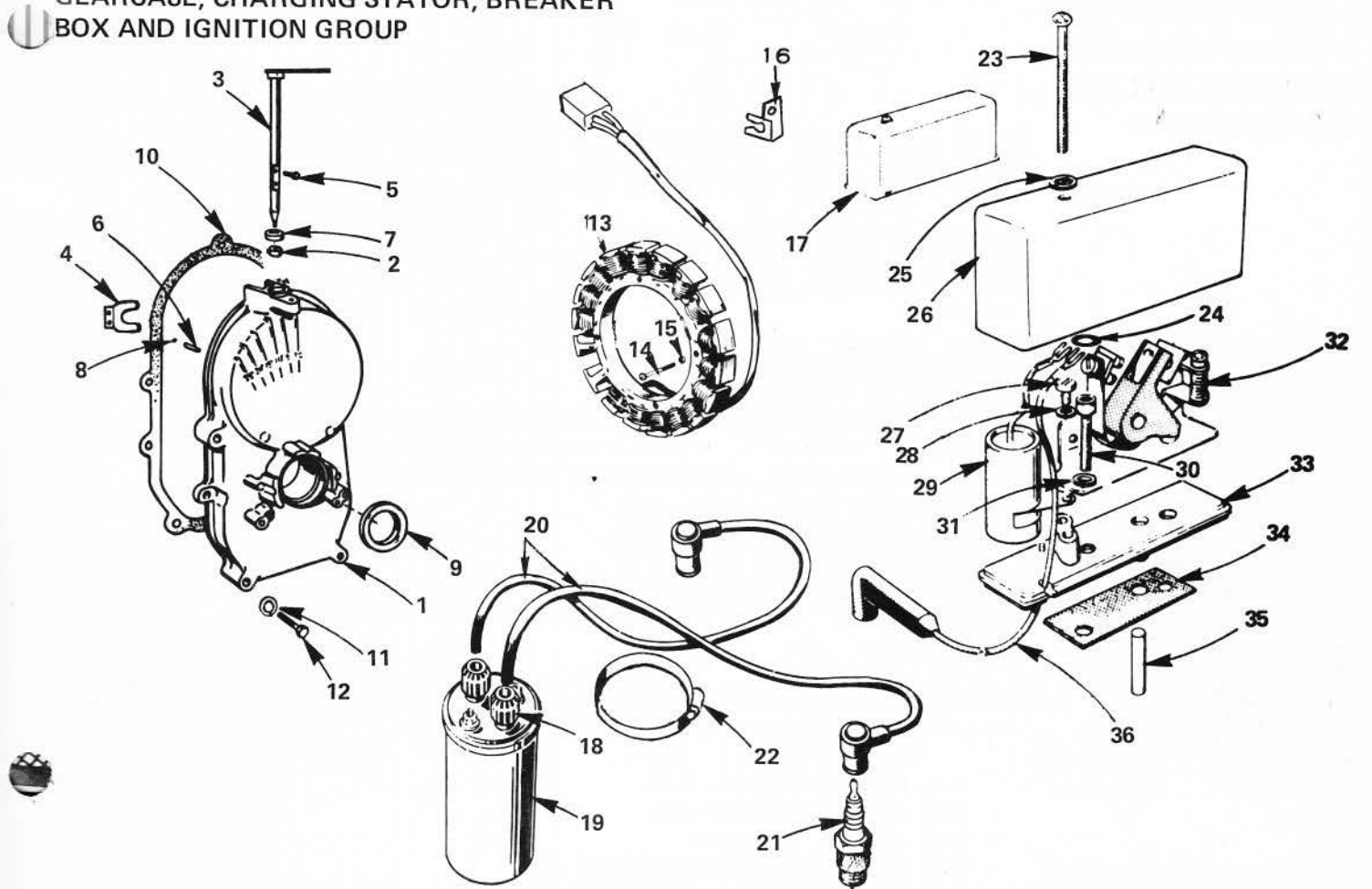


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	150-0078	Retaining Ring	16	112-0122	Piston Pin
2	150-1519	Hub	17	518-0311	Retaining Ring
3	150-1520	Cup	18	RING SET, PISTON	
4	510-0015	Flyball		113-0189	Standard
5	150-1257	Spacer		113-0189-05	.005" Oversize
6	150-0077	Plate		113-0189-10	.010" Oversize
7	105-0332	Gear (Includes Spacer and Plate)		113-0189-20	.020" Oversize
8	105-0004	Thrust Washer		113-0189-30	.030" Oversize
9	150-0075	Center Pin		113-0189-40	.040" Oversize
10	515-0001	Camshaft Gear Key	19	104-0996	Crankshaft
11	105-0402	Camshaft (Includes Center Pin)	20	515-0001	Key, Crankshaft Gear
12	870-0302	Hex Nut, Locking (5/16 - 24)	21	515-0227	Key, Flywheel
13	CONNECTING ROD (Inc. Key No's 12 and 14)		22	104-0032	Gear
	114-0257	Standard	23	104-0043	Gear Retaining Washer
	114-0257-10	.010" Undersize	24	518-0014	Retaining Ring
	114-0257-20	.020" Undersize	25	134-3506	Flywheel (Inc. Ring Gear and Stator)
	114-0257-30	.030" Undersize	26	104-0779	Ring Gear
14	114-0240	Bolt (Special)	27	134-3508	Guard
15	PISTON AND PIN (Inc. Key No's 16 and 17)		28	815-0400	Machine Screen, Truss Head
	112-0151	Standard	29	526-0017	Flat Washer (15/32" I.D. x 1 - 1/4" O.D. x 1/4" Thick)
	112-0151-05	.005" Oversize	30	850-0055	Lockwasher (7/16")
	112-0151-10	.010" Oversize	31	104-0170	Cap Screw (7/16 - 14 x 4")
	112-0151-20	.020" Oversize			
	112-0151-30	.030" Oversize			
	112-0151-40	.040" Oversize			

REPAIR PARTS

SEARS 18 TWIN HYDRO GARDEN TRACTOR--MODEL NO. 917.257070
ONAN ENGINE--MODEL NO. B48M-GA018/3475A

GEARCASE, CHARGING STATOR, BREAKER BOX AND IGNITION GROUP



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	103-0498	Gearcase Assembly (Inc. Parts Marked X)	22	503-0311	Coil Clamp
2	510-0105	xBearing	23	812-0108	+*Machine Screw, Round Head (No. 10 - 24 x 1 - 1/2")
3	150-1470	xShaft and Arm	24	509-0065	+*Retainer, "O" Ring
4	150-1187	xYoke	25	526-0008	+*Flat Washer (13/64" I.D. x 7/16" O.D. x 1/32" Thick)
5	815-0046	xPan Head Screw (8 - 32 x 3/8")	26	160-1232	*Cover (Inc. Parts Marked +)
6	516-0130	xDowel Pin	27	815-0358	*Cap Screw (No. 8 - 32 x 5/16") - Slotted
7	509-0008	xSeal	28	850-0025	*Lockwasher (No. 8)
8	510-0014	xBall	29	312-0196	*Condenser
9	509-0040	xSeal	30	802-0034	*Cap Screw (1/4 - 20 x 3/4") - Socket Head
10	103-0408	Gasket	31	850-0038	*Lockwasher (1/4")
11	CAP SCREW		32	160-1183	*Point Set
	800-0032	5/16 - 18 x 1 - 3/4"	33	160-1219	*Base
	800-0545	5/16 - 18 x 2 - 3/4" - Special	34	160-1150	*Gasket
12	526-0065	Flat Washer, Copper (21/64" I.D. x 9/16" O.D. x 1/16" Thick)	35	160-1151	Plunger
13	191-1102	Stator	36	336-2132	Lead
14	813-0108	Round Head Screw (No. 10 - 32 x 1 - 1/2")	---	160-1213	Tune up Kit (Include points and condenser)
15	850-0030	Lockwasher (No. 10)			
16	167-0188	Bracket Alternator Lead			
17	160-1210	Breaker Box (Inc. Parts Marked *)			
18	166-0604	Terminal Cap (Part of Coil)			
19	166-0535	Ignition Coil			
20	SPARK PLUG CABLE				
	167-1595	17"			
	167-1596	15"			
21	167-0237	Spark Plug			

*Parts included in 160-1210 Breaker Box

+Parts included in 160-1232 Cover

xIncluded in 103-0498 Gearcase Assembly

Sears

**MODEL NO.
917.257070**

HOW TO ORDER REPAIR PARTS

MODEL NUMBER

The Model Number will be found on the Model Plate attached to the Battery Heat Shield, in front of the Battery. Always mention the Model Number when requesting service or repair parts for your Garden Tractor.

REPAIR PARTS

All parts listed herein may be ordered from any SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED retail or catalog store.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- THE PART NUMBER
- THE PART DESCRIPTION
- THE MODEL NUMBER
- THE NAME OF MERCHANDISE

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for "expedited handling".



SEARS SERVICE

Your Sears merchandise takes on added value when you discover the Sears Service Units throughout the country. Each is staffed by Sears-trained, professional technicians using Sears approved parts and methods.

**Sears, Roebuck and Co., Chicago, Ill. 60684, U.S.A.
and Simpsons Sears Limited, Toronto, Canada**