

model shop

SEARS
OWNERS
MANUAL

MODEL NO.
C944.605120



Caution:
Read Rules for
Safe Operation
and Instructions
Carefully

**12 H.P.
38" RIDING
YARD TRACTOR
ELECTRIC START**

Assembly
Installation
Operation
Repair Parts

CONGRATULATIONS ON YOUR PURCHASE OF A Sears Tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance. Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Department. They have competent, well-trained technicians and the proper tools 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".

| |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>MODEL NUMBER _____</p> <p>SERIAL NUMBER _____</p> <p>THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO THE FENDER.</p> <p>YOU SHOULD RECORD BOTH MODEL AND SERIAL NUMBERS AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two years from date of purchase, when this riding equipment is maintained, lubricated, and tuned up according to the operating and maintenance instructions in the owner's manual, Sears will repair free of charge any defect in material or workmanship in this electric start riding equipment.

This warranty does not cover:

- tire replacement or repair caused by punctures from outside objects (such as nails, thorns, stumps, or glass); and
- repairs necessary because of operator abuse or negligence, including the failure to maintain the equipment according to instructions contained in the owner's manual; and
- riding equipment used for commercial or rental purposes.

FULL 90-DAY WARRANTY ON BATTERY

For 90 days from the date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge.

WARRANTY SERVICE IS AVAILABLE BY CONTACTING THE NEAREST SEARS SERVICE CENTER/DEPARTMENT.

"This warranty is in addition to any statutory warranty and does not exclude or limit legal rights you may have but shall run concurrently with applicable provincial legislation. Furthermore, some provinces do not allow limitations on how long an implied warranty will last so the above limitations may not apply to you."

Sears Canada Inc., Toronto, Ontario M5B2B8

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RULES FOR SAFE OPERATION

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, slash-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local provincial laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. See your Sears Authorized Service Center for spark arrester muffler part number 677V1.

Know the controls and how to stop quickly. READ THIS OPERATOR'S MANUAL and instructions furnished with attachments.

Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.

Do not carry passengers. Do not mow when children and pets are around.

Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.

Keep your eyes and mind on your tractor, mower and the area being cut. Don't let other interests distract you.

Do not attempt to operate your tractor or mower when sitting in the driver's seat.

Always get on or off your tractor from the operator's left hand side.

Avoid the work area of objects (wire, rocks, etc.) which might be picked up and thrown.

Disengage all attachment clutches before attempting to start the engine.

Disengage power to attachments and stop the engine before leaving the operator's position.

Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or repairs. Be careful to avoid touching hot engine or muffler components.

Disengage power to attachments when transporting or not in use.

Take all possible precautions when leaving the vehicle unattended. Disengage the power-take-off, lower the attachments, shift into neutral, set the parking brake, stop the engine and remove the key.

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. Refer to page 43.

Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.

While going up or down slopes, place Gear Shift Control lever in 1st gear position to negotiate the slope without slipping.

Never mow in wet or slippery grass, when traction is uncertain or at a speed which could cause a skid.

Be very alert for holes in the terrain and other hidden hazards. Step away from drop-offs.

Do not drive too close to creeks, ditches and public highways.

Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never liberately run tractor or mower into or over any foreign object.

Never shift gears until tractor comes to a stop.

Never place hands or feet under the mower, in discharge chute or near any moving parts while tractor or mower are running. Always keep clear of discharge chute.

23. 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 counterweight or wheel weights when suggested in the owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline containers.
 - b. Never remove the fuel cap of the fuel tank or add gasoline to a running or hot engine or an engine that has not been allowed to cool for several minutes after running. Never fill the tank indoors, always clean up spilled gasoline.
 - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place and working.
28. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
29. 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.
30. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease. Do not clean product while engine is running.
31. Except for adjustment; DO NOT operate Engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
32. Do not operate without a muffler or tamper with the exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
33. 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.
34. Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.
35. When using the vehicle with mower, proceed as follows:
 - a. Mow only in daylight or in good artificial light
 - b. Shut the engine off when unclogging chute.
 - c. Check the blade mounting bolts for proper tightness at frequent intervals.
36. Do not operate the mower without the deflector shield in place.
37. Disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after careful observation of the entire area behind the mower.
38. Under normal usage the grass catcher bag material is subject to deterioration and wear. It should be checked frequently for bag replacement. Replacement bags should be checked to ensure compliance with the original manufacturer's recommendations or specifications.



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

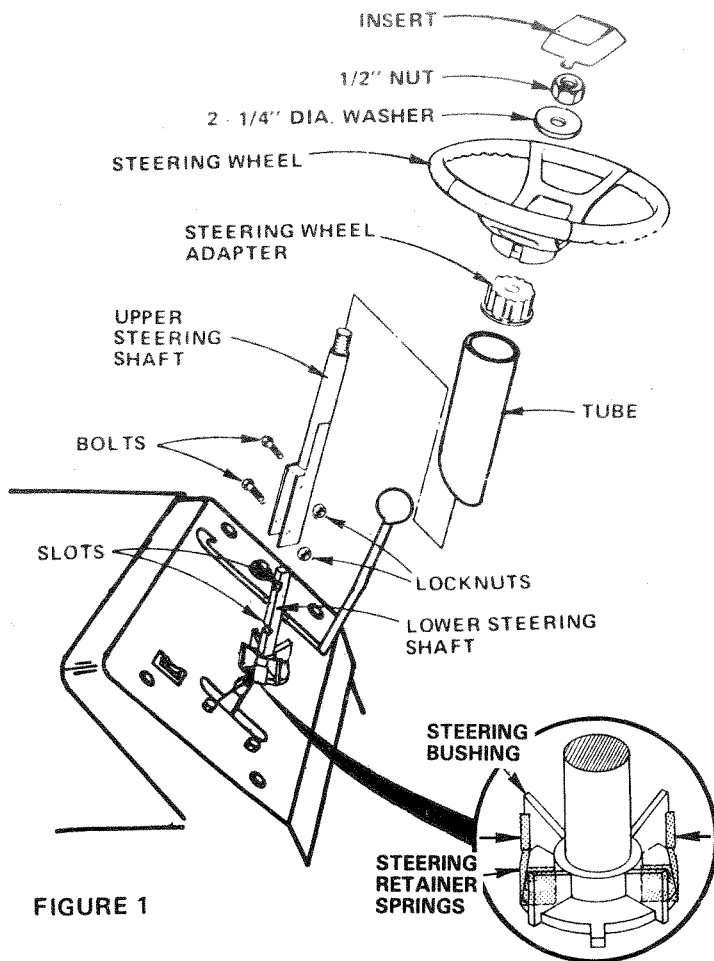


FIGURE 1

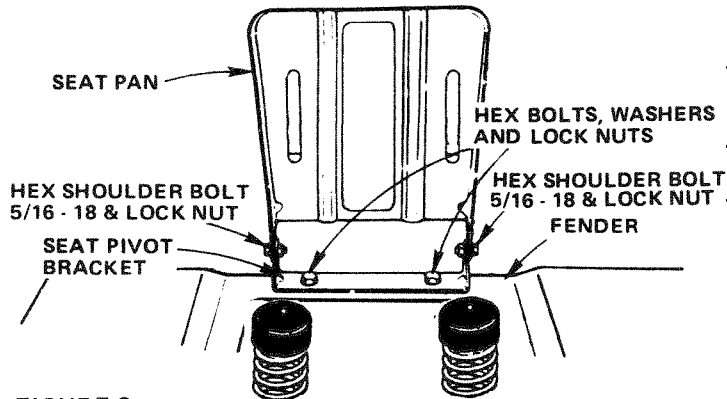


FIGURE 2

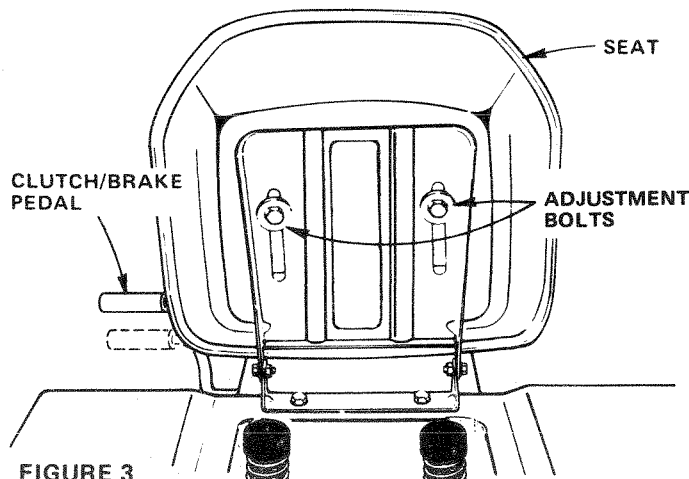


FIGURE 3

To assemble your Tractor you will need:

two 7/16" wrenches, two 9/16" wrenches, two 1/2" wrenches, a 3/4" wrench and a utility knife

NOTE: RIGHT HAND (R.H.) AND LEFT HAND (L.H.) ARE DETERMINED FROM OPERATOR'S POSITION WHILE SEATED ON THE TRACTOR.

ASSEMBLY

1. Cut down carton at four corners, fold down carton. Remove Bag of Parts. Remove tractor from skid.
2. Slide Upper Steering Shaft over Lower Steering Shaft until bolt holes line up with slots in Lower Steering Shaft (Fig. 1).
3. Use two Hex Bolts 3/8 - 16 x 1 - 1/4 and two Locknut 3/8 - 16 to retain Upper Steering Shaft to Lower Steering Shaft. Tighten securely.
4. Position Tube over Steering Shaft Assembly.
5. For easier assembly, tilt Tube towards front of tractor.
6. Place bottom of Tube over two front prongs on Steering Bushing.
7. Squeeze the two Steering Sleeve Retainers inward to allow Tube to pass over Retainers.
8. Push Tube down aligning notch on Tube with tab on Steering Bushing.
9. Place Steering Wheel Adapter on Upper Steering Shaft.
10. With front wheels pointed straight ahead, place Steering Wheel on Steering Wheel Adapter. Bars of Steering Wheel should point straight across tractor.
11. Place 2 - 1/4" Dia. Washer on Upper Steering Shaft and install a 1/2" Nut. Tighten securely.
12. Snap Insert into Steering Wheel.
13. Remove plastic on Tractor Hood.

SEAT INSTALLATION

1. Mount Seat Pivot Bracket to Fender using two Hex Bolt 3/8 - 16 x 3/4, two Washers 13/32 x 3/4 x 10 Ga, and two Crownlock Nuts 3/8 - 16 (Fig. 2). NOTE: WASHER SHOULD BE POSITIONED UNDER FENDER NEXT TO NUTS. Seat Pivot Bracket, Bolts, Washers and Nuts found in Bag of Parts. Tighten Nuts securely.
2. Mount Seat Pan to Seat Pivot Bracket using two Shoulder Bolts 5/16 - 18 and two Lock Nuts 5/16 - 18 (Fig. 2) (heads of Bolts to outside). Bolts and Lock Nuts found in Bag of Parts. Tighten Nuts securely.
3. Place Seat on Seat Pan. Screw Adjustment Bolts, Lock washers and Flat Washers into Seat (Fig. 3). Adjustment Bolts, Lockwashers and Flat Washers found in Bag of Parts. Tighten finger tight.
4. Place Seat in operating position. Sit on the Seat and press Clutch-Brake Pedal all the way down. If operating position is not comfortable, adjust Seat.
5. Raise Seat. Use 9/16" wrench to loosen Adjustment Bolt (Fig. 3). When adjusted for comfortable operation, tighten Adjustment Bolts securely.

BATTERY INSTALLATION

WEAR EYE AND FACE SHIELD.

READ THE INSTRUCTIONS INCLUDED WITH THE BATTERY ACID CONTAINER. ALWAYS WEAR GLOVES, CLOTHING AND GOGGLES TO PROTECT YOUR HANDS, SKIN AND EYES.

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

DO NOT SMOKE, FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

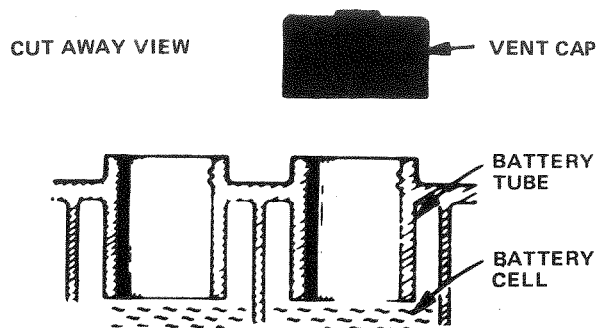


FIGURE 4

and charge Battery (before installing). NOTE: SEE TAILED INSTRUCTIONS PACKAGED WITH BATTERY.

Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 4). NOTE: DO NOT OVERFILL. OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.

Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: TIGHTEN VENT CAPS SECURELY.

Charge Battery at a rate of six amperes for one hour. 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.

DO NOT SHORT BATTERY TERMINALS.

BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRISTWATCH BANDS, RINGS, ETC. FROM YOUR PERSON.

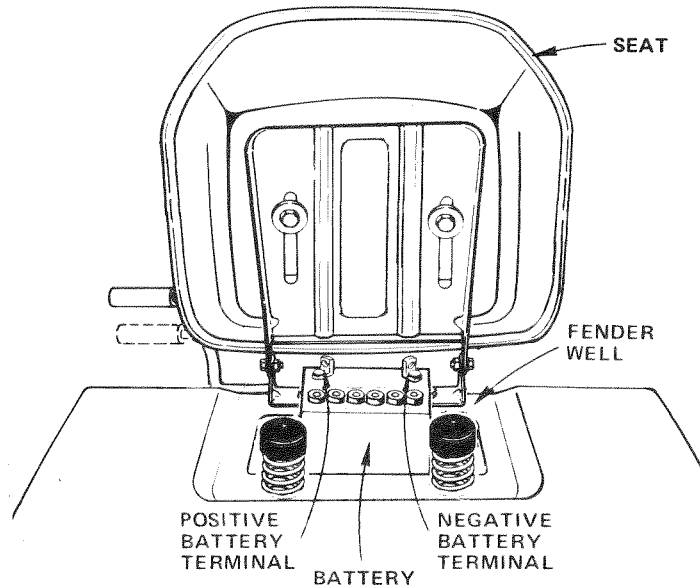


FIGURE 5

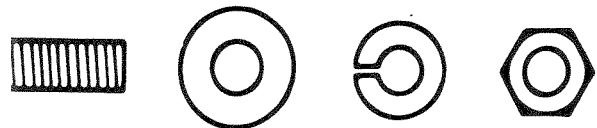
tion Battery in tractor as follows:

Lift Seat (Fig. 5).

Lower Battery into Fender Well with Battery Terminals toward front of tractor (Fig. 5). Make sure Battery rests in Battery Tray (Fig. 6).

NOTE: BE SURE BATTERY DRAIN TUBE IS SECURELY ATTACHED TO BATTERY TRAY DRAIN.

Connect Battery Cables using: two Hex Bolts, two Flat Washers, two Lockwashers and two Hex Nuts (shown full below) found in Bag of Parts.



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

Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 6). Tighten securely.

Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 6). Tighten securely.

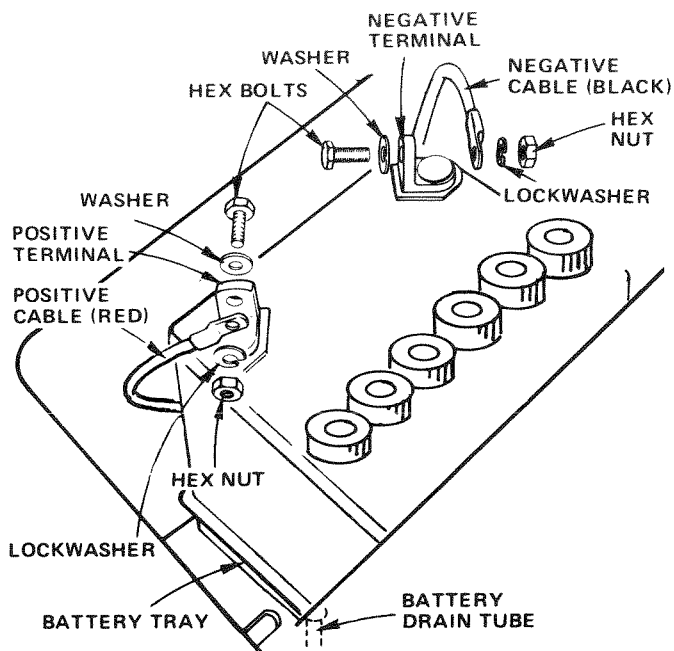


FIGURE 6

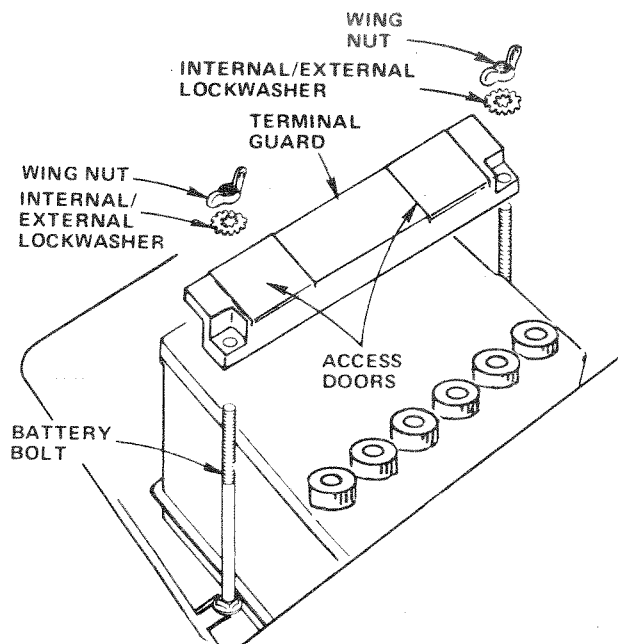


FIGURE 6A

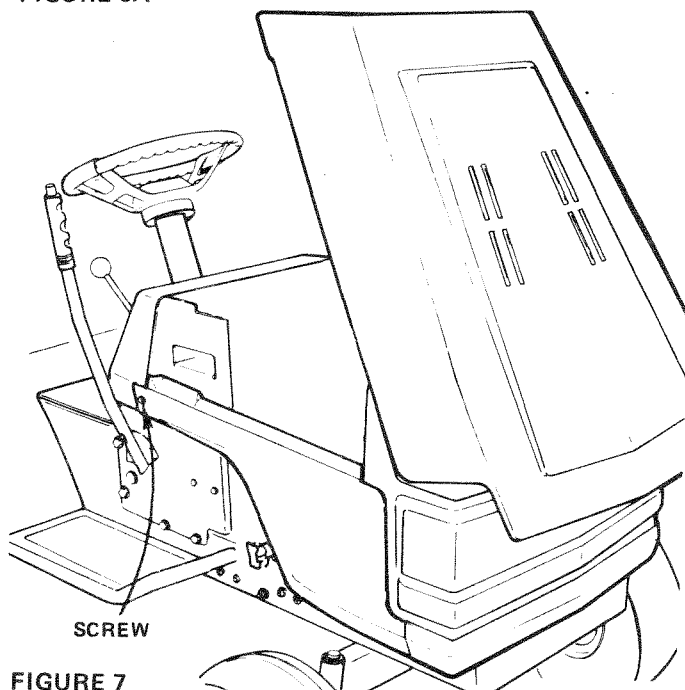


FIGURE 7

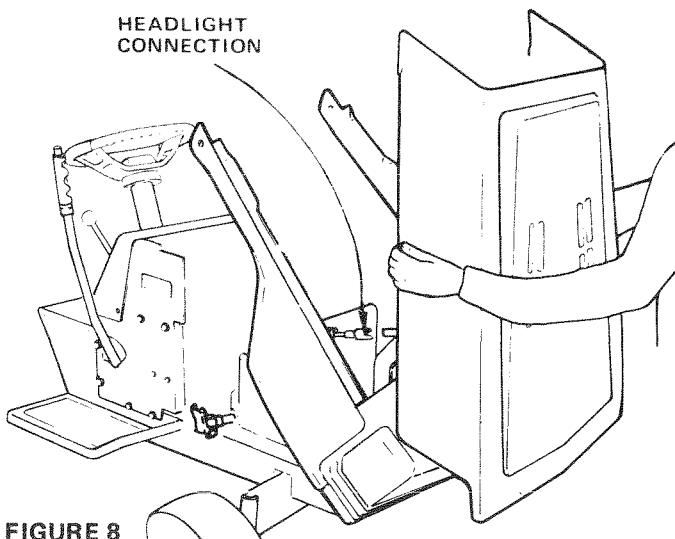
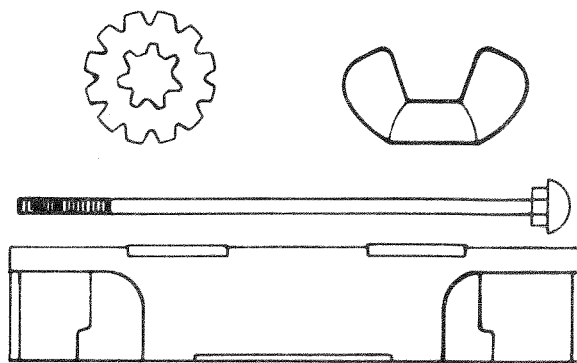


FIGURE 8

4. Install Battery using: two Int./Ext. Lockwashers, two Nuts (shown full size below) and



two Battery Bolts and one Terminal Guard found in B Parts.

- a. Using the slot on one side of the Battery Support (6A) slide Battery Bolt into Frame Slot (head of down). Fasten the Battery Bolt to the Terminal G using Int./Ext. Lockwasher and Wing Nut as show Fig. 6A.
- b. Assemble the remaining Battery Bolt to other side Battery Support and fasten Terminal Guard to it with maining Int./Ext. Lockwasher and Wing Nut. Tighten Wing Nuts securely by hand (Fig. 6A).

NOTE: USE TERMINAL ACCESS DOORS (FIG. 6A) I

1. Inspection for secure connections (tighten hardware)
2. Inspection for corrosion.
3. Testing battery.
4. Jumping (if required).
5. Charging (if required).



WHEN NOT IN USE, KEEP TERMINAL ACCESS DOORS CLOSED.

NOTE: DO NOT START ENGINE UNTIL INITIAL MAINTENANCE HAS BEEN PERFORMED.

INITIAL ADJUSTMENTS

1. TIRE PRESSURE

Reduce Tire pressure to 14 PSI in front tires; 12 PSI in rear tires. (Tires were overinflated for shipping).

2. HOOD

- a. To raise Hood, lift at rear of Hood.
- b. Unsnap Headlight Connection (Fig. 8).
- c. To remove Hood, Grill and Side Panels, raise Hood and loosen one screw on each Side Panel. (The screw remains in the Side Panel) (Fig. 7).
- d. Stand in front of Tractor. Grasp Hood and tilt forward and lift off (Fig. 8).
- e. To reinstall, reverse above procedure.

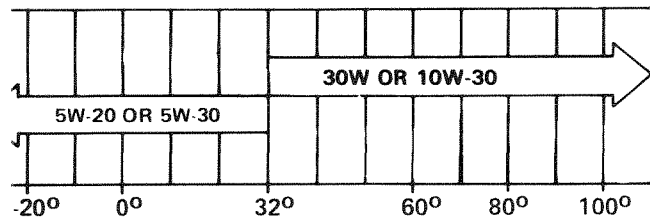
INITIAL SERVICE

NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL.

Open Hood.

Check Engine Oil Level with Tractor on level ground. Remove and wipe Dipstick (Fig. 9) clean, screw it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached.

RECOMMENDED SAE VISCOSITY GRADES



TEMPERATURE RANGE EXPECTED BEFORE NEXT OIL CHANGE. ALL OILS MUST MEET A.P.I. SERVICE CLASSIFICATION SD, SE, OR SF.

Capacity is 2 pints. **NOTE:** DO NOT OVERFILL. Dipstick assembly must be securely tightened into tube at all times when engine is operating.

Fill Fuel Tank (Fig. 9). Use fresh, clean, unleaded automotive gasoline. (Leaded "Regular" grade gasoline is not an acceptable substitute. Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Capacity is 5 quarts.

WARNING: DO NOT USE GASOHOL OR METHANOL. These type fuels react with water content in the fuel and tend to form strong acids which can corrode metal parts and harm rubber and plastics.



FILL TO BOTTOM OF GAS TANK FILLER NECK. DO NOT OVERFILL. WIPE OFF ANY SPILLED OIL OR FUEL. DO NOT STORE, SPILL OR USE GASOLINE NEAR AN OPEN FLAME.

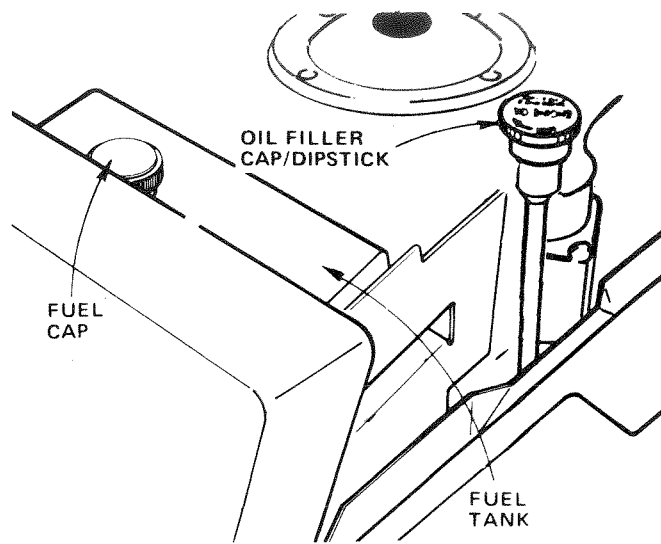


FIGURE 9

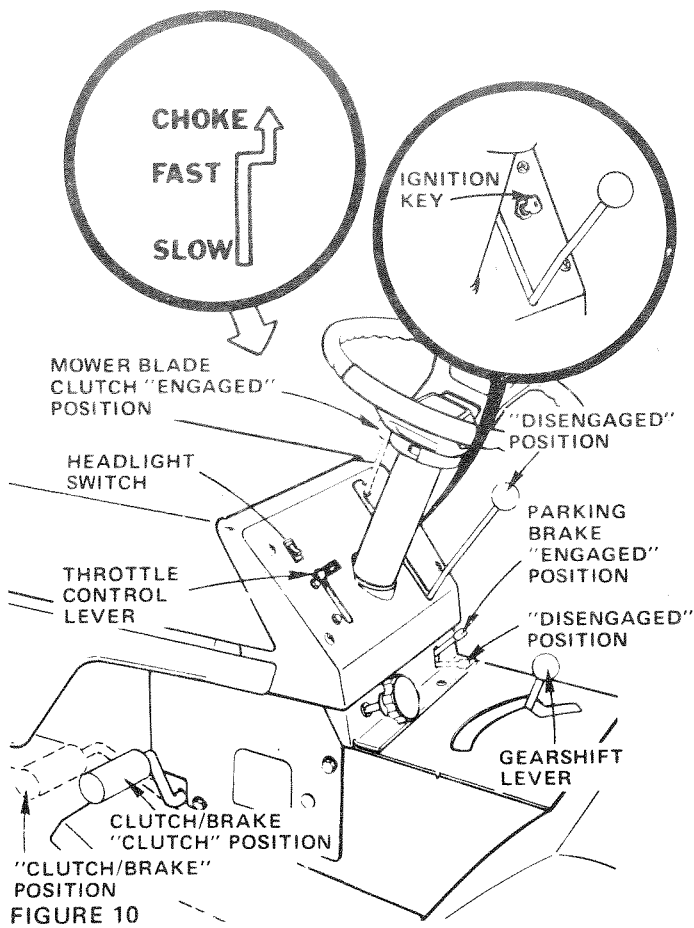


FIGURE 10

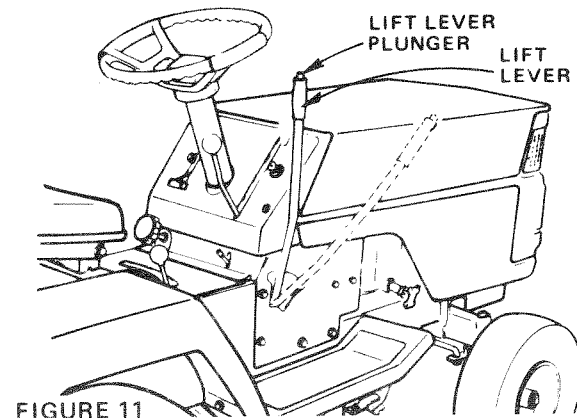


FIGURE 11

OPERATION

NOTE: MOWER OPERATION IS LISTED ON PAGE 11.



THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE MOWER BLADE CLUTCH LEVER IS IN THE "ENGAGED" POSITION AND/OR THE FOOT PEDAL IS NOT FULLY DEPRESSED. IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

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



CAUTION TO AVOID INJURY

1. Read owners manual.
2. Know location and function of all controls.
3. Keep guards, safety shields and switches in place and working.
4. Remove objects that can be thrown by blades.
5. Do not mow when children and others are around.
6. Never carry children or passengers.
7. Always look behind machine before backing.
8. Do not mow where machine can tip or slip.
9. If machine stops going uphill, stop blade and back slowly down.
10. Be sure blades and engine have stopped before placing hands or feet near the blades.
11. Remove key when leaving machine.



DO NOT ADD ADDITIONAL WEIGHT TO THE TRACTOR OTHER THAN THE OPTIONAL WHEEL WEIGHTS. EXCESSIVE WEIGHT MAY OVERLOAD AND DAMAGE THE TRANSMISSION.

STARTING THE ENGINE

1. Disengage Mower Blade Clutch Lever (Fig. 10).
2. Depress Clutch/Brake Pedal fully.
3. Place Gear Shift Lever in "NEUTRAL" position (Fig. 10).
4. Move Throttle Control Lever (Fig. 10) to "FAST" detent, then to the right and upward for "CHOKE" position. At the "FAST" position the Lever has a stop. The stop is provided so that you will know when you are at full throttle "FAST" position and prevent over travel into choke position.
5. Turn Ignition Key clockwise (↻) to "START" position and release Key as soon as engine starts (Fig. 10). Immediately move Throttle Control Lever mid-way between "FAST" and "SLOW" positions.
NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE. If Engine does not start after several attempts, move Throttle Control Lever mid-way between "FAST" and "SLOW" positions, wait a few minutes and try again.



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

WARMING UP THE ENGINE

Move Throttle Control Lever mid-way between "FAST" and "SLOW" positions (Fig. 10). As engine warms up, move Throttle Control Lever to "FAST" position. NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE OPERATING.

When restarting a warm engine, move Throttle Control Lever to "FAST" position, "CHOKE" may not have to be used.

LOWER INSTALLATION

our 38" Mower installs without the use of tools. Raise Lift Lever (Fig. 11) to its highest position. Turn Depth Adjustment Knob to lowest position (Fig. 14).

Install Front Hinge Pin through Axle and Parallel Link (Fig. 12). Secure with Retainer Spring.

Install Rear Hinge Pin through Mower Lift Brackets and Parallel Link (Fig. 12). Secure with Retainer Spring.

Install Clutch Rod in Clutch Lever (Fig. 13 - Inset).

Move Lift Lever (Fig. 11) forward to lower Suspension Arms. Slide Trunnions through Lift Bracket holes and secure with Retainer Springs (Fig. 13).

Roll Belt over Mower Drive Pulley. Make sure Belt is inside Belt Guides (Fig. 14). See Belt Drive Schematic Decal on Mower Housing.

Use Lift Lever (Fig. 11) to raise mower.

NOTE: SEE MOWER ADJUSTMENT, BELOW.

Turn Depth Adjustment Knob clockwise (↻) to the middle of its travel.

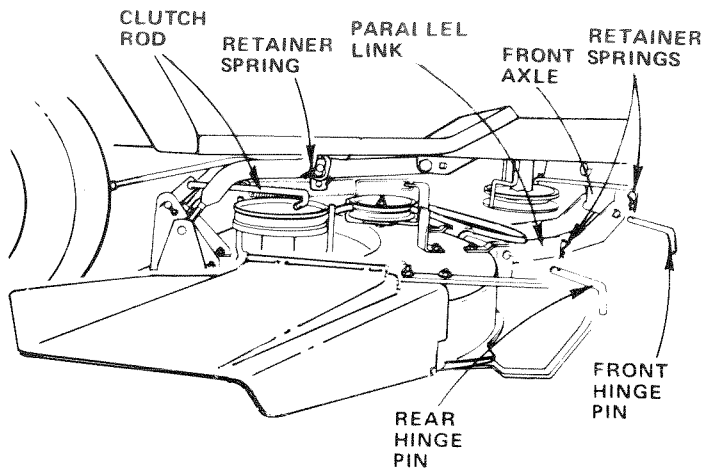


FIGURE 12

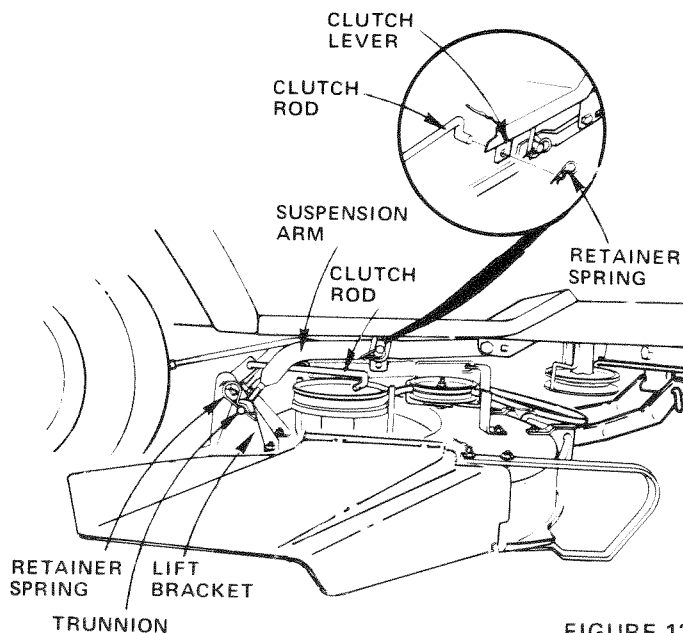


FIGURE 13

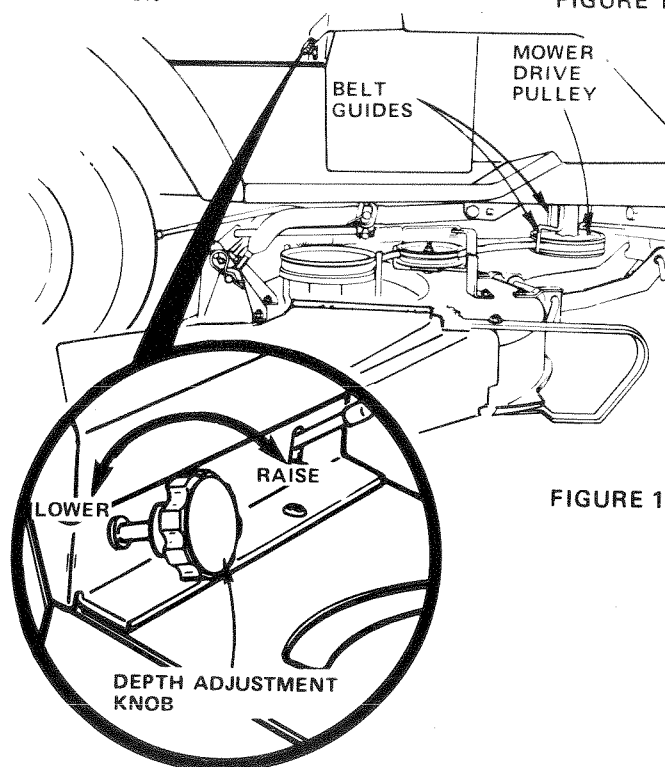


FIGURE 14

LOWER ADJUSTMENT

FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. MOVE GEAR SHIFT LEVER TO "N" NEUTRAL POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. SHUT OFF THE ENGINE. PLACE MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED, REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING. BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.

BEFORE CHECKING THE SIDE TO SIDE AND FRONT TO REAR ADJUSTMENTS, PAGE 10, BE SURE FRONT TIRE PRESSURE IN FRONT TIRES IS 14 PSI AND REAR TIRE PRESSURE IN REAR TIRES IS 12 PSI. IF TIRES ARE OVER OR UNDER INFLATED YOU WILL NOT PROPERLY ADJUST MOWER.

HEIGHT ADJUSTMENT

Height adjustment for mower height is made with the Depth Adjustment Knob. Raise Mower cutting height by turning Depth Adjustment Knob clockwise (↻). Lower Mower cutting height by turning Depth Adjustment Knob counterclockwise (↺).

LEVEL MOWER FROM SIDE TO SIDE

SEE MOWER ADJUSTMENT, PAGE 9.

1. Park tractor on level surface. Depress Lift Lever Plunger and use Lift Lever to raise mower to maximum cutting height.
2. Measure height of Top of Flange to level surface at front of mower. Distance "A" should be the same (Fig. 15).
3. If distance "A" needs to be changed, snap out Access Hole Cover on L.H. side above Footrest. Use 9/16" wrench on Nuts "B" and "C" at Side-To-Side Adjustment Trunnion (Fig. 16).
4. To raise left side of mower, loosen Nut "B" and tighten Nut "C".
5. To lower left side of mower, loosen Nut "C" and tighten Nut "B".
NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" HEIGHT CHANGE.
6. Be sure all nuts are securely tightened.
NOTE: SEE MOWER ADJUSTMENT, FRONT-TO-REAR, BELOW.

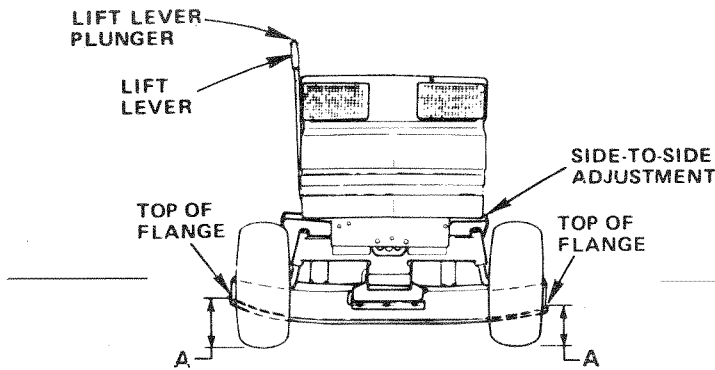


FIGURE 15

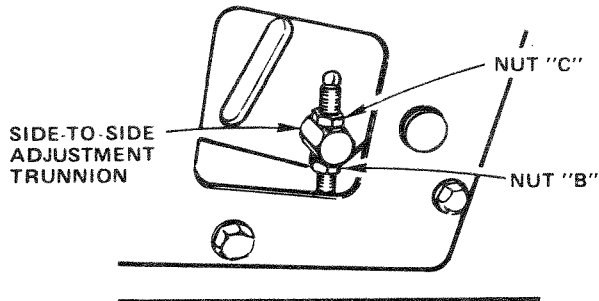


FIGURE 16

ADJUST MOWER FROM FRONT TO REAR

1. To obtain the best cutting results, your Mower Housing should be adjusted so the Front and Rear Flange distance "D" (Fig. 17) is 1/2" lower in front when the mower is positioned in the highest cutting position. NOTE: MEASURE DISTANCE "D" FROM SURFACE TO RIGHT REAR FLANGE AND COMPARE TO DISTANCE "D" AT RIGHT FRONT FLANGE.
2. To raise rear of mower, loosen Nut "E" on both Rear Suspension Arms. Screw both Nuts "F" up EQUAL NUMBER OF TURNS (Fig. 18).
3. When distance "D" is 1/2" lower at front than rear, tighten Nut "E".
4. To lower rear of mower, loosen Nut "F" on both Rear Suspension Arms an EQUAL NUMBER OF TURNS (Fig. 18).
5. When distance "D" is 1/2" lower at front than rear, retighten Nuts "E".

NOTE: WHEN ADJUSTING REAR SUSPENSION TRUNNIONS, ALWAYS ADJUST BOTH EQUALLY SO MOWER WILL STAY LEVEL.

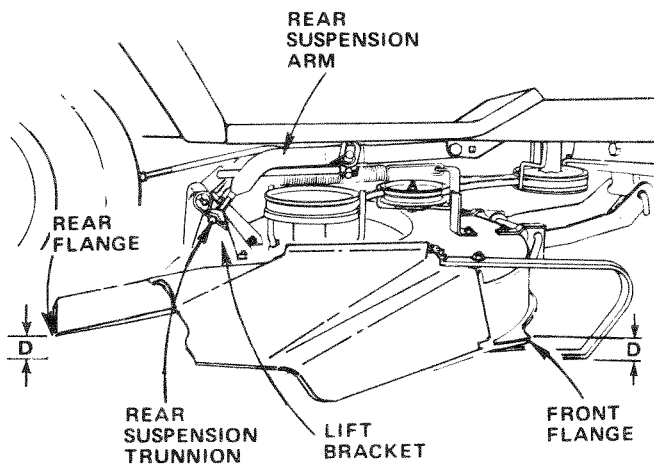


FIGURE 17

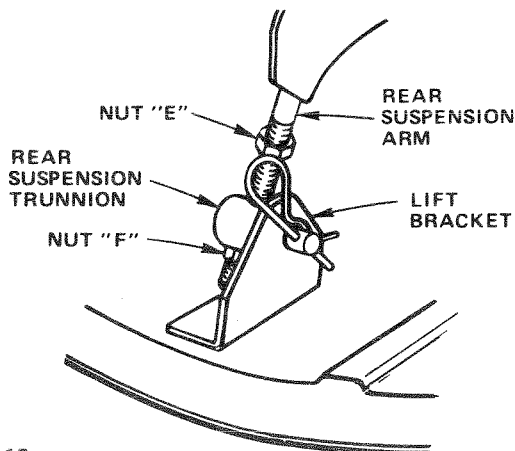


FIGURE 18

OPERATION - MOWER

READ THE "RULES FOR SAFE OPERATION" CAREFULLY BEFORE OPERATING YOUR MOWER.

MOWER MUST BE ADJUSTED PROPERLY FROM FRONT TO REAR AND LEVELED FROM SIDE TO SIDE BEFORE OPERATING. THIS IS NECESSARY FOR LEVEL EFFICIENT MOWING. REFER TO PAGE 10.

Set Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 19).

Push tractor Clutch-Brake Pedal fully into brake position.

Set Gear Shift Lever in "NEUTRAL" position.

TRACTOR MUST HAVE FOOT PEDAL DEPRESSOR AND MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION BEFORE TRACTOR WILL START.

Start tractor and set engine speed to about 1/3 to 1/2 throttle before engaging mower. After mower is "ENGAGED" and you have started forward travel, set to FULL THROTTLE.

"ENGAGE" OR "DISENGAGE" MOWER BLADE CLUTCH LEVER SLOWLY.

NEVER "ENGAGE" MOWER EXCEPT WHEN SITTING ON TRACTOR SEAT.

ALWAYS MOW WITH THROTTLE CONTROL IN "IDLE" POSITION. THIS RESULTS IN BETTER GRASS CUT, BETTER ENGINE COOLING, AND BETTER FUEL ECONOMY.

Push Lift Lever to lower mower into cutting position. Start mowing in the first gear and increase ground speed as conditions will permit. Average cutting height is approximately 2 - 1/2 to 2 - 3/4 inches. Height of cut can be adjusted by means of the Depth Adjustment Knob (Fig. 19). Turning the Knob clockwise (↻) raises the mower (Fig. 19 Inset). Moving the Knob counterclockwise (↺) lowers the mower.

Adjust the Discharge Guard so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and a more uniform cutting. When mowing large areas (Fig. 20) turn the tractor by turning to the right so that the clippings will be discharged away from shrubs, fences, driveways, etc. After mowing two or three rounds, mow in the opposite direction making hand turns until finished. If grass is extremely tall, it should be mowed twice. The first time cut relatively high, the second time to the desired height. The left hand side of the tractor should be used for trimming.

FLIP-UP DISCHARGE GUARD

The tractor has a flip-up Discharge Guard (Fig. 19) for door clearance when held in raised position.

MAKE SURE MOWER BLADE CLUTCH LEVER IS IN "DISENGAGED" POSITION AND BLADES HAVE STOPPED BEFORE RAISING DISCHARGE GUARD (DEFLECTOR). NEVER OPERATE MOWER WITHOUT DISCHARGE GUARD IN OPERATING POSITION.

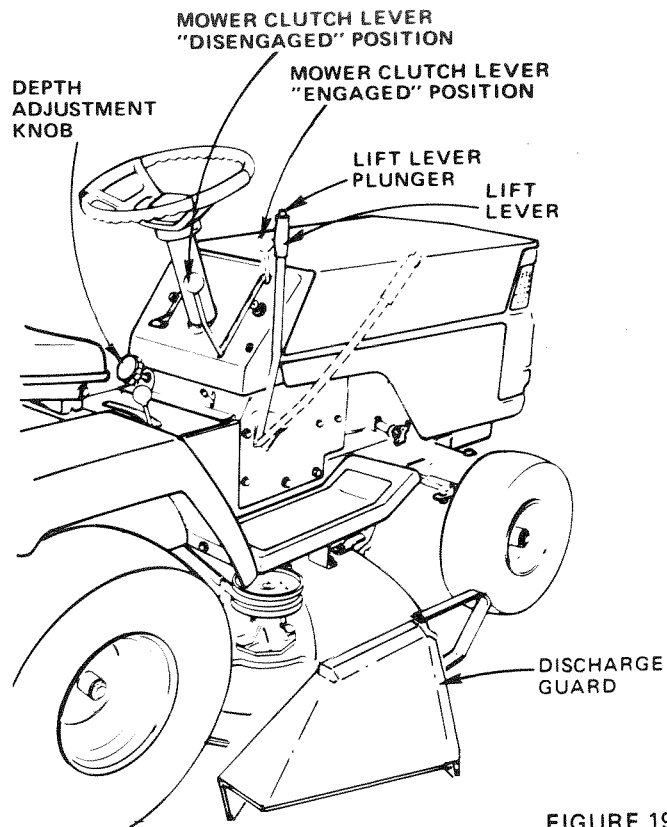


FIGURE 19

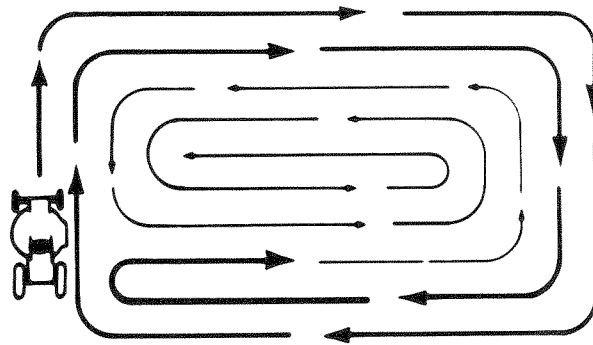


FIGURE 20

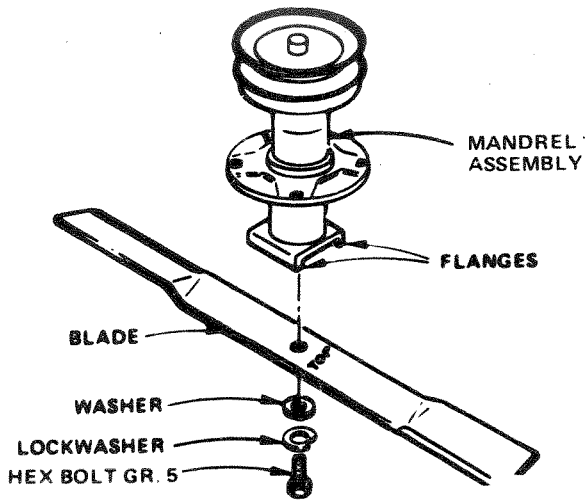


FIGURE 21

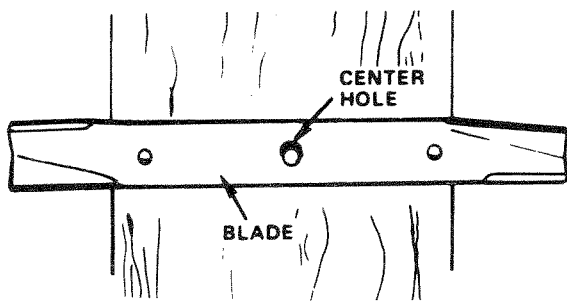


FIGURE 22

MAINTENANCE - MOWER

FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. MOVE GEAR SHIFT LEVER TO "NEUTRAL" POSITION. PLACE MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION. TURN IGNITION KEY TO "OFF" POSITION. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED. REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING. BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.

BLADE CARE

For best results mower blades must be kept sharp. The blades can be sharpened with a few strokes of a file or on a grinding wheel. We suggest they be sharpened after every 15 hours of mowing. Do not attempt to sharpen while on mower.

1. When grinding, care should be taken to maintain blade balance and the blade should be checked for proper balance before reinstallation on mower. Unbalanced or bent blade will cause excessive vibration when running, and eventual damage to mower or engine. Replace bent, damaged or unbalanced blades.

To check Blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place Center Hole of clean Blade over the head of the nail (Fig. 22). NOTE: CENTER HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 22. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED AND MUST BE REPLACED.

2. To ensure satisfactory operation, it is recommended that before the start of each mowing season, the old blades be discarded and replaced with new blades. Mower blades can be purchased at any Sears Service Center/Departments and most Sears Retail Stores.

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainers are secure. Keep blades sharp. Observe all safety precautions. Keep mower well lubricated (refer to page 22).

CLEANING MOWER



DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE CLEANING. BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.

Water pressure from a garden hose will remove fresh clippings from underside of mower. Clean mower after each mowing.

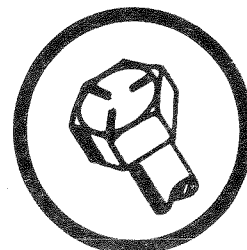
BLADE REPLACEMENT

Raise Mower to highest position to permit access to Blades.

1. Remove Bolt, Lockwasher and Washer (Fig. 21) (turn counterclockwise (↺)).
2. Place new Blade between Flanges, (the word "TOP" is stamped on all Blades to assure proper installation), and secure with Washer, Lockwasher and Bolt previously removed. TIGHTEN SECURELY.



ALWAYS USE GRADE 5 HEAT TREATED BOLTS TO ATTACH BLADES. CHECK BOLTS IN BLADES OCCASIONALLY TO MAKE SURE BOLTS ARE TIGHT. TORQUE BOLTS 30 - 35 FT. LBS.



A GRADE 5 HEAT TREATED BOLT CAN BE IDENTIFIED BY THREE LINES ON THE BOLT HEAD AS SHOWN AT LEFT.

TRACTOR OPERATION

1. Depress Lift Lever Plunger at top of Mower Lift Lever and move Lever rearward to its "HIGHEST" position (Fig. 23).
2. With engine running and warm, place Throttle Control Lever midway between "FAST" and "SLOW" position.
3. Move Gear Shift Lever to "1ST" Gear (Fig. 24).
4. Release Clutch-Brake Pedal SLOWLY to start forward movement.
5. If ground travel is too slow, move Throttle Control Lever to "FAST" position or press Clutch-Brake Pedal to stop and shift to a different gear. NOTE: ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED. NEVER CHANGE GEARS WHILE TRACTOR IS MOVING.

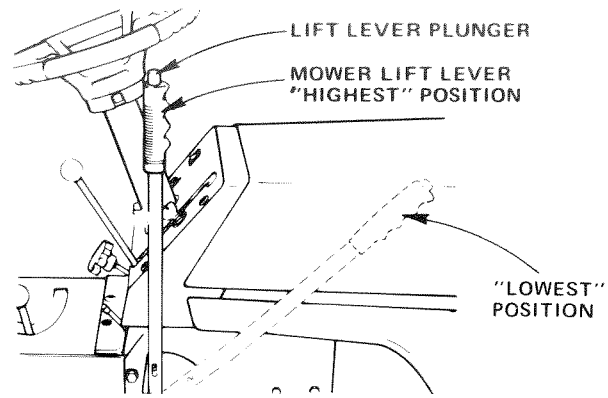


FIGURE 23

MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.



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.

NOTE: ALWAYS OPERATE ENGINE AT FULL THROTTLE WHEN MOWING TO ASSURE BETTER MOWING PERFORMANCE, LONG ENGINE LIFE AND PROPER DISCHARGE OF CUT MATERIAL. REGULATE GROUND SPEED BY SELECTING A LOW ENOUGH GEAR (FIG. 24) TO GIVE THE MOWER CUTTING PERFORMANCE PLUS QUALITY OF CUT DESIRED.



DO NOT OPERATE THE MOWER WITHOUT THE DEFLECTOR SHIELD (DISCHARGE GUARD) IN PLACE.

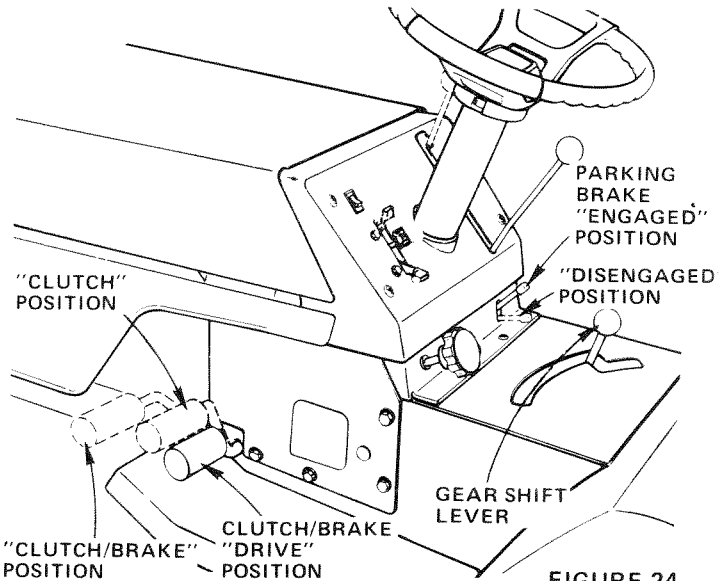


FIGURE 24

TRACTOR OPERATION ON HILLS



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 43.

Move Gear Shift Lever to "1ST" Gear before starting up or down hills.

AVOID STOPPING OR SHIFTING ON HILLS.

- a. If slowing is necessary, move Throttle Control Lever to slower position.



LEAVE ENOUGH ROOM WHEN STOPPING AND STARTING TO ALLOW SLIGHT TRACTOR ROLL DOWNHILL AS CLUTCH-BRAKE PEDAL MOVES THROUGH CLUTCH POSITION.

- b. If stopping is absolutely necessary, push Clutch-Brake Pedal quickly to brake position and engage Parking Brake.
- c. To restart tractor movement, make sure tractor is in the lowest speed range ("1ST" Gear) and that you have allowed room to roll slightly downhill. Depress Clutch-Brake fully. Disengage Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor movement. Make all turns gradually.

STOPPING YOUR TRACTOR

1. Push Clutch-Brake Pedal completely into "BRAKE" position.
2. Move Gear Shift Lever to "NEUTRAL" position.
3. Place Parking Brake in "ENGAGED" position. Raise Parking Brake Lever and hold in "ENGAGED" position (Fig. 24). Release Clutch-Brake Pedal.



CLUTCH-BRAKE PEDAL SHOULD REMAIN COMPLETELY DEPRESSED WHEN FOOT PRESSURE IS RELEASED.

4. Move Throttle Control Lever to "SLOW" position.
5. Disengage Mower Blade Clutch Lever.
6. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS.

TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Lever in "NEUTRAL" position (Fig. 24). Push Clutch-Brake Pedal down firmly to "DISENGAGE" Parking Brake (Fig. 24). NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN

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 GROUND SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUND SYSTEM.



LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES. KEEP SPARKS, FLAME, AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS WEAR EYE PROTECTION 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 fully charged battery.
3. Connect the other end of the cable to LH Side Panel Bolt (Fig. 24). NOTE: KEEP AWAY FROM GAS TANK AND BATTERY.
4. Disconnect cables in reverse order:
 - a. L.H. Side Panel Bolt (Fig. 24).
 - b. Negative terminal of fully charged battery.
 - c. Positive terminals.



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

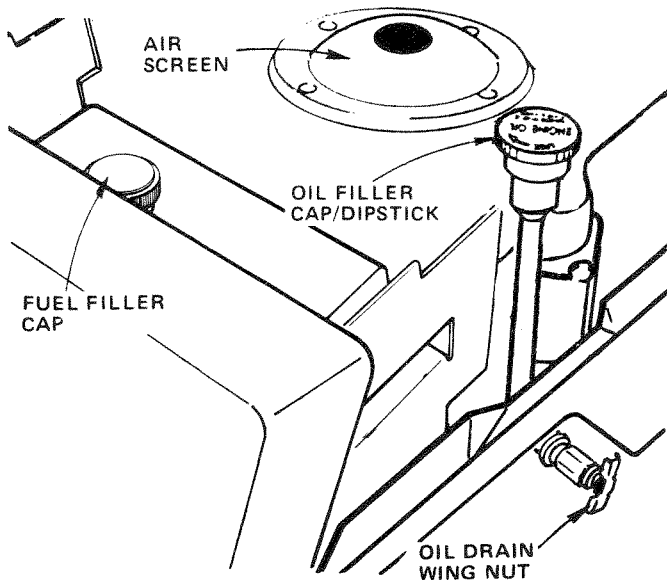


FIGURE 25

CUT AWAY VIEW

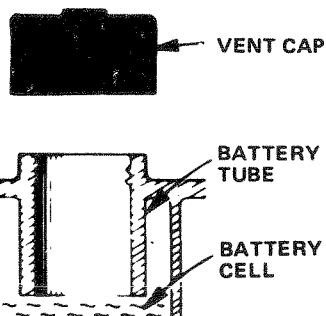


FIGURE 26

MAINTENANCE - TRACTOR

MOWER MAINTENANCE IS LISTED ON PAGE 12.

To keep your tractor running better, longer; perform necessary service using the following Maintenance Schedule.



REFER TO "STOPPING YOUR TRACTOR" PAGE 13 AND DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR (EXCEPT CARBURETOR). BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainer springs are secure. Observe all safety precautions. Keep tractor well lubricated (refer to page 22).

FIRST 2 HOURS

1. 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.

- a. Drain Oil with Engine warm. Loosen Oil Drain Wing Nut (Fig. 25) and remove Dipstick. Catch Oil in a suitable container. Tighten Oil Drain Wing Nut.
- b. Refill Engine Oil. See oil chart, page 7. Refill capacity is 2 pints. NOTE: DO NOT OVERFILL. Replace Dipstick.

FREQUENTLY

1. CHECK BATTERY

- a. Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 26). Add only distilled water if necessary. NOTE: DO NOT OVER FILL.
- b. Keep Battery and Terminals clean.
- c. Keep Battery Bolts tight.
- d. Keep Vent Caps tight and small Vent holes in Caps open.
- e. Recharge at 6 amperes for 1 hour.

2. CHECK TIRE PRESSURE

Tire pressure in front Tires should be 14 PSI; rear Tires 12 PSI.

3. CLEAN AIR SCREEN

Air Screen (Fig. 25) must be kept free of dirt and chaff prevent Engine damage from overheating.

HECK BRAKE OPERATION

This tractor is equipped with an adjustable brake system mounted on the right side of the transaxle (Fig. 27).



IF TRACTOR REQUIRES MORE THAN SIX FEET STOPPING DISTANCE IN HIGHEST GEAR, THEN BRAKE MUST BE ADJUSTED.

BEFORE PARKING BRAKE MUST BE DISENGAGED AND FORWARD SHIFT LEVER IN NEUTRAL WHILE MAKING ADJUSTMENT.

Depress Clutch-Brake Pedal and engage Parking Brake. Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.

If distance is other than 1 - 1/2", disengage Parking Brake, loosen Jam Nut (Fig. 16) and turn Nut "A" until distance becomes 1 - 1/2". Retighten Jam Nut against Nut "A".

Load test tractor for proper stopping distance as stated above. Readjust if necessary.

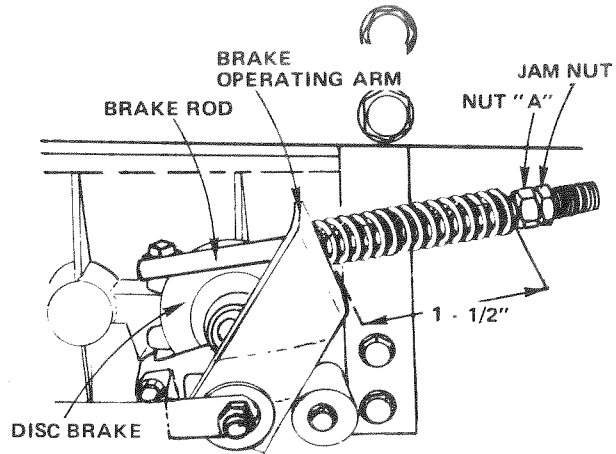


FIGURE 27

CHECK ENGINE OIL LEVEL EVERY 8 HOURS

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. Remove and wipe Dipstick clean (Fig. 29), screw it in tight for a few seconds, remove slowly and read Oil level. If necessary, add Oil until "L" mark is reached. DO NOT OVERFILL.

EVERY 50 HOURS

(RATING IN DUSTY CONDITIONS MAY REQUIRE MORE FREQUENT SERVICING)

REPLACE AIR CLEANER ELEMENT (FIG. 28)

- Open Hood.
- Snap off Air Cleaner Cover.
- Remove Foam Element from Air Cleaner Body.
- Wash Foam Element in liquid detergent and water to remove dirt.
- Wrap foam in cloth and squeeze dry.
- Saturate foam in clean engine oil. Squeeze to remove excess oil.
- Replace Foam Element and snap Cover on Air Cleaner Body.

NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

CHANGE ENGINE OIL

The best time to change Engine Oil is at the end of a day's operation when all dirt and foreign materials are suspended in the hot Oil. See oil chart, page 7.

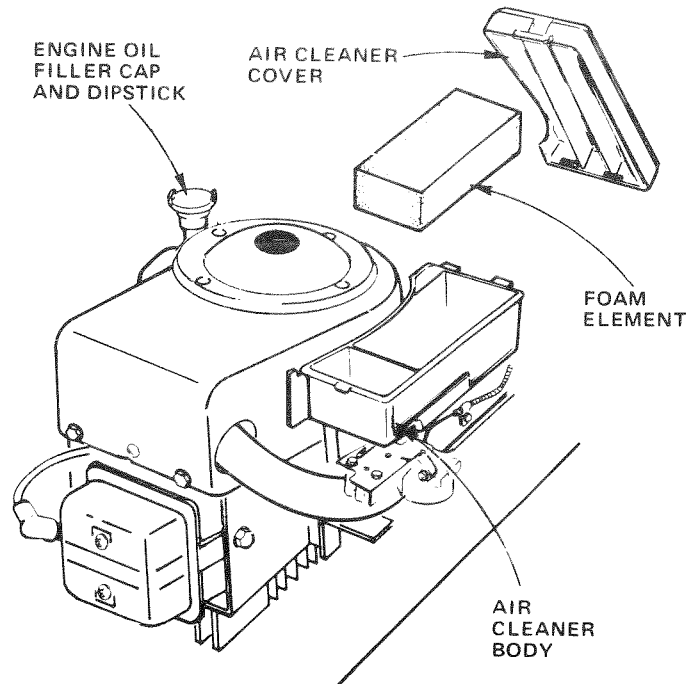


FIGURE 28

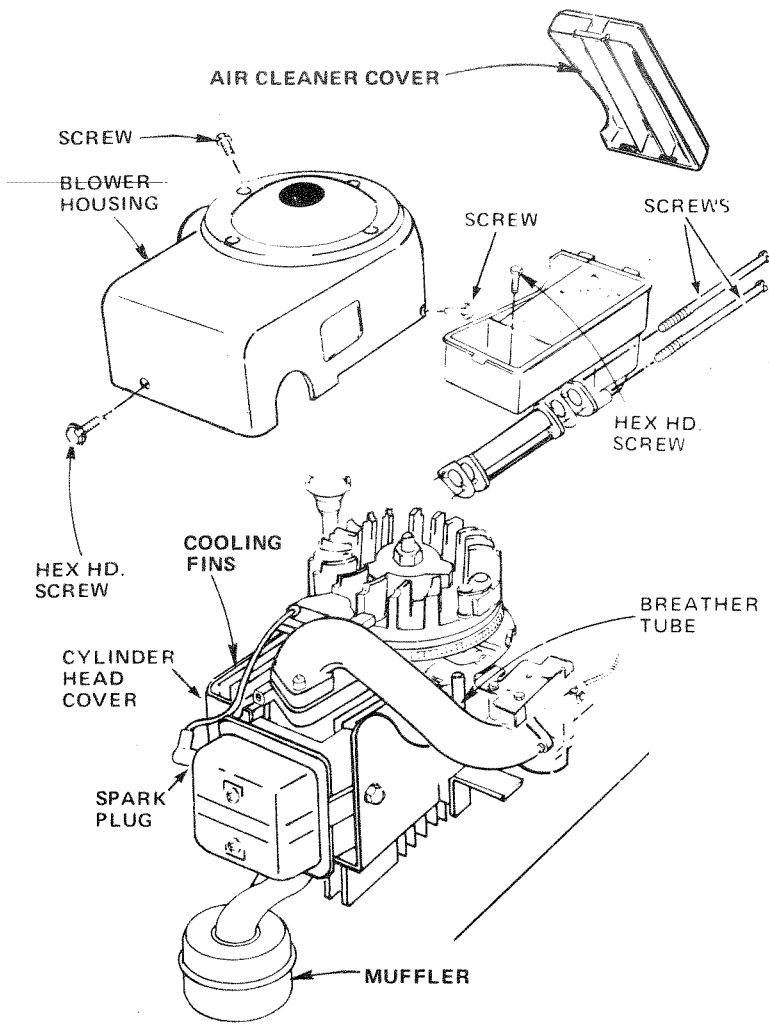


FIGURE 29

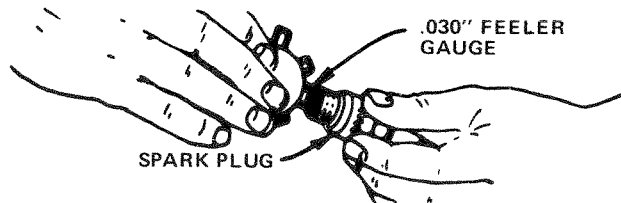


FIGURE 30

3. CLEAN ENGINE COOLING FINS

Keep Engine Cooling Fins free of dust, dirt and oil to prevent Engine damage from overheating.

- a. Snap Cover off Air Cleaner (Fig. 29). Remove Hex Head Screw from inside Air Cleaner. Remove two Slotted Head Screws from rear of Air Cleaner. Pull Air Cleaner off.
- b. Remove two Hex Head Screws from front of Blower Housing. Remove two Hex Head Screws from side of Blower Housing.
- c. Pull Blower Housing off. Cylinder Head Cover may also be removed. Clean Engine Cooling Fins with a stiff bristled brush or compressed air.



WEAR SAFETY GLASSES IF USING COMPRESSED AIR.

- d. To reassemble, reverse above procedure.

NOTE: PRESS BREATHER TUBE INTO BOTTOM OF AIR CLEANER (FIG. 29).

4. MUFFLER

Do not operate the tractor without a Muffler or tamper with the exhaust system.



DO NOT TOUCH HOT MUFFLER, CYLINDER OR FINS AS CONTACT MAY CAUSE BURNS.

Periodically clean the muffler area to prevent grass, dirt and combustible material from accumulating. Damaged Mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary. If your engine is equipped with a spark arrester screen assembly, remove every 50 hours for cleaning and inspection. Replace if damaged.

EVERY 100 HOURS

1. REPLACE SPARK PLUG

Change the spark plug after every 100 hours of operation or at the beginning of each mowing season. A Deep Well 13/16" socket is required to remove the Spark Plug. Set the Spark Plug gap at .030 inch (Fig. 30).

2. REPLACE AIR CLEANER ELEMENT

IS NEEDED

CARBURETOR ADJUSTMENT

DO NOT MAKE UNNECESSARY ADJUSTMENTS. FACTORY SETTINGS ARE SATISFACTORY FOR MOST APPLICATIONS AND CONDITIONS. IF ADJUSTMENTS ARE NEEDED, PROCEED AS FOLLOWS:

- a. Make sure Air Cleaner is clean (see page 15).
- b. With engine not running, place Throttle at "FAST" detent (not in "CHOKE" position).
- c. Check that hole in Throttle Lever and hole in Plate line up (Fig. 31 - Inset). If holes are not aligned, loosen Clamp Screw and move Throttle Cable until holes are aligned. Tighten Clamp Screw.
- d. Turn Mixture Screw clockwise (↻) LIGHTLY to seat. CAUTION: FORCING WILL CAUSE DAMAGE. Turn Mixture Screw counterclockwise (↺) one turn.



REFER TO "STARTING THE ENGINE",
PAGE 8.

- e. Start engine and allow to idle for 5 minutes.
- f. Turn Mixture Screw clockwise (↻) until the engine speed drops. NOTE THE SCREW POSITION.
- g. Turn Mixture Screw counterclockwise (↺) until the engine begins to run rough. Set Mixture Screw between the two positions.
- h. Push Throttle Lever to "FAST" detent (not "CHOKE"). If engine "hunts" or runs rough, make small adjustments on Mixture Screw until engine runs smoothly.
- i. If engine idles too fast or too slow, adjust Idle with Idle Speed Stop Screw.
- j. High Speed Stop is factory adjusted. DO NOT ADJUST - DAMAGE MAY RESULT.

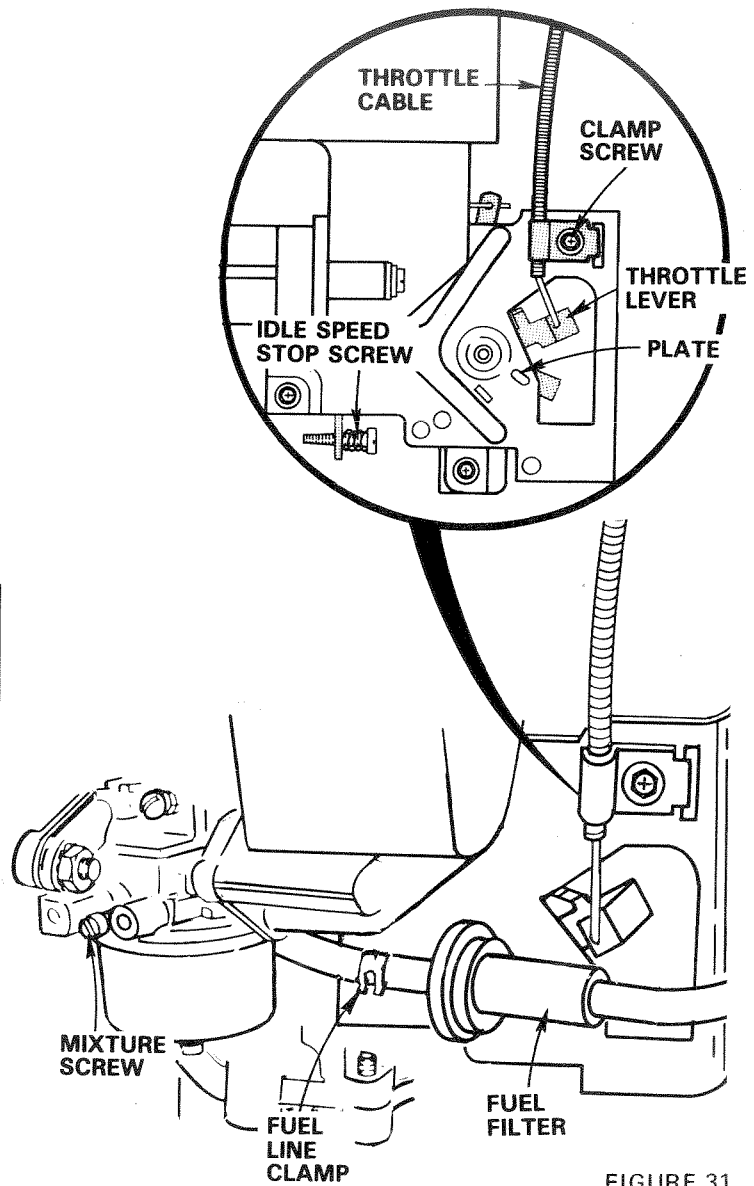


FIGURE 31

REPLACE FUEL FILTER

- a. Remove Clamps from fuel lines at front and rear of Fuel Filter (Fig. 31).
- b. Pull Fuel Filter out of fuel lines.
- c. Install new Fuel Filter with arrow pointing toward engine.
- d. Install new Fuel Line Clamps supplied with Fuel Filter.



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

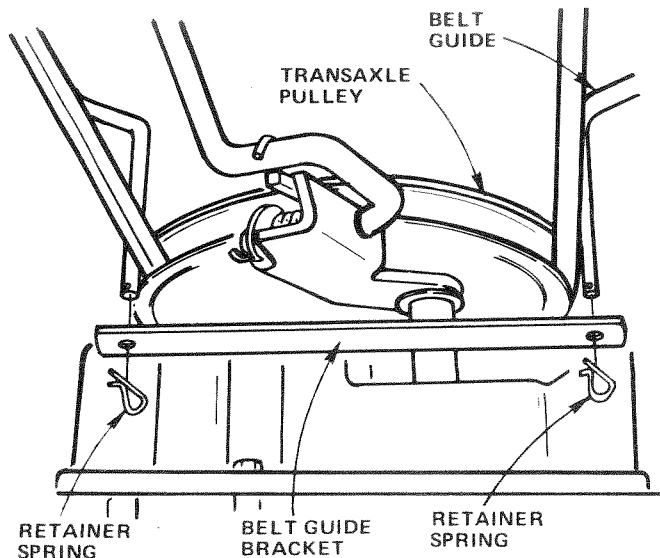


FIGURE 32

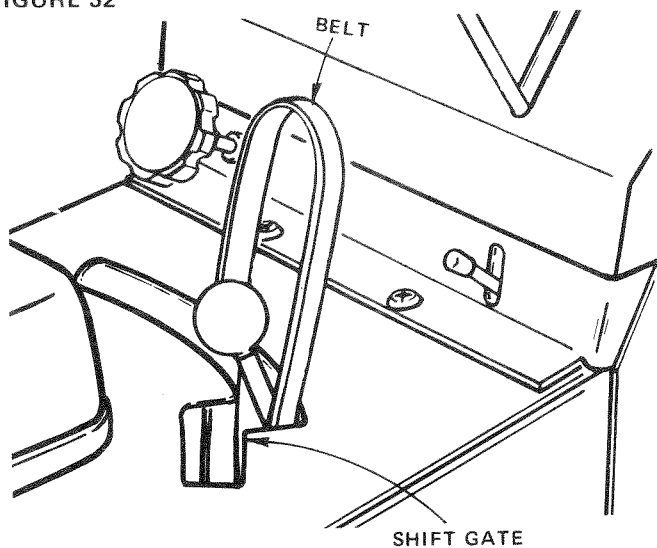
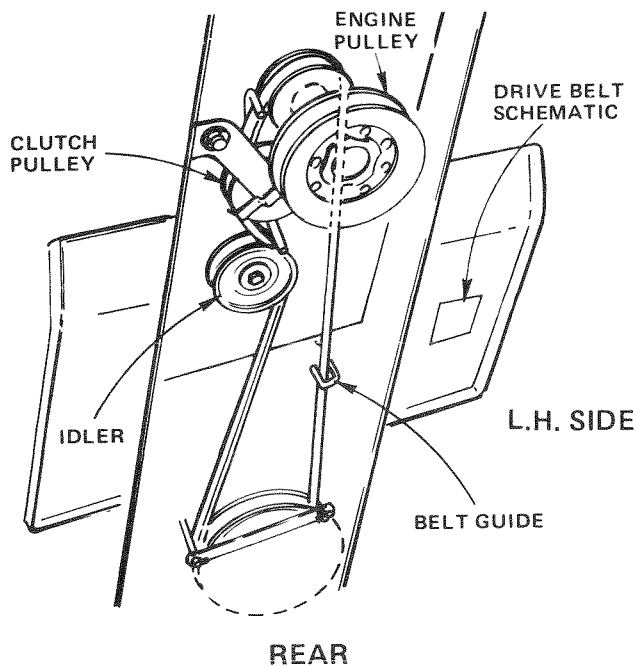


FIGURE 33



VIEWED FROM BOTTOM OF TRACTOR

FIGURE 34

3. REPLACE TRACTOR MOTION DRIVE BELT

The tractor Drive Belt may be replaced without tools. Park the tractor on level area. Engage Parking Brake. **NOTE: BELT INSTALLATION DECAL UNDER LEFT FOOT REST.**

- a. Remove mower, (See Mower Section, page 20).
- b. Remove two Retainer Springs from Belt Guide Bracket below Transaxle Pulley. Remove Bracket (Fig. 32).
- c. Swing Belt Guides away from Belt, toward rear of tractor (Fig. 32).
- d. Roll Belt over top of Transaxle Pulley.
- e. Roll Belt over Engine Pulley and off Idler (Fig. 34).
- f. Release Parking Brake. Pull Belt as far as possible over top of Clutch Pulley.
- g. Reset Parking Brake. Pull Belt over top of Clutch Pulley (Fig. 34).
- h. Pull Belt out through Shift Gate to remove from tractor (Fig. 33).

Install Belt by reversing above procedure. **NOTE: REPLACE ONLY WITH BELT LISTED IN MANUAL.**

4. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power.



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

- a. Remove Terminal Guard. Disconnect BLACK Battery Cable then RED Battery Cable and remove Battery from Tractor. Wash Battery with four tablespoons of baking soda to one gallon of water. **NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO CELLS.** Rinse the Battery with plain water, dry and reinstall on Tractor.
- b. Clean Terminals and Battery Cable ends with a wire brush until bright. Replace Battery Cables, connecting RED Battery Cable to Positive Terminal first, then BLACK Battery Cable to Negative Terminal, Coat terminal connections with Vaseline. Replace Terminal Guard.

TIRE CARE

Maintain tire pressure in front tires at 14 PSI and rear tires at 12 PSI.

Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.

Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.

Removing front wheel for tire repair (Fig. 35).

- Block up front axle securely. Pull off Dust Cap.
- Remove Klip Ring and Washer and remove wheel.
- Repair tire and reassemble. Replace Washer, snap Klip Ring securely in axle groove. Replace Dust Cap.

Removing rear wheel for tire repair (Fig. 36).

- Block up rear axle securely. Pull off Dust Cap.
- Remove E-Ring and Washer and remove wheel.
- Repair tire and reassemble. Replace Square Key in Axle Shaft.
- Replace Washer, E-Ring and Dust Cap.

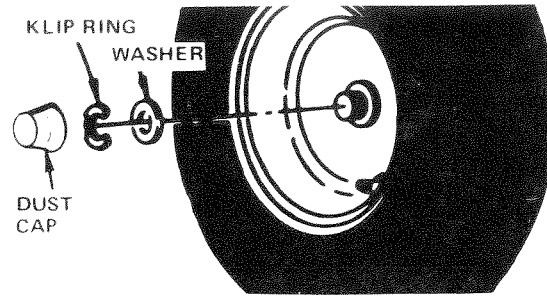


FIGURE 35



WHEN MOUNTING TIRES, BEADS MUST BE SEATED. OVERINFLATION CAN CAUSE A FATAL EXPLOSION.

TIRE CARE

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

DRIVE BELT ADJUSTMENT

The tractor has been manufactured with the ability to re-adjust the drive belt to provide you with longer belt life.

Mower Clutch Lever (Fig. 37) travels 3 - 1/2" up the slot in the dash before spring tension resistance is evident, adjustment is necessary. NOTE: CHECK FOR PROPER SPRING TENSION WITH ENGINE OFF AND LIFT LEVER IN HIGHEST POSITION.

Lower the mower deck for easier access.

Using (2) 7/16" wrenches, remove the D-shaped Washers from the Rock Shaft Assembly.

Remove Extension Spring from lower end of slot to upper end of Rock Shaft Assembly and install the D-shaped Washers.

Tighten Bolt and Nut to secure the D-shaped Washers.

NOTE: WHEN INSTALLING A NEW BELT, EXTENSION SPRING MUST BE RETURNED TO LOWER END OF SLOT ON ROCK SHAFT ASSEMBLY.

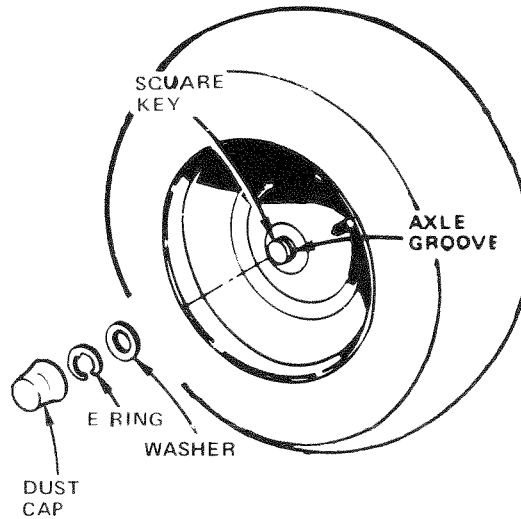


FIGURE 36

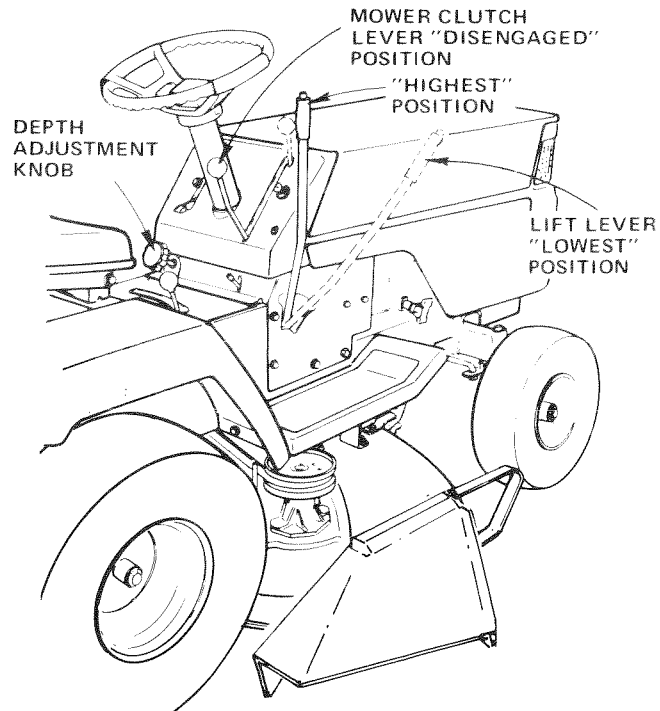


FIGURE 37

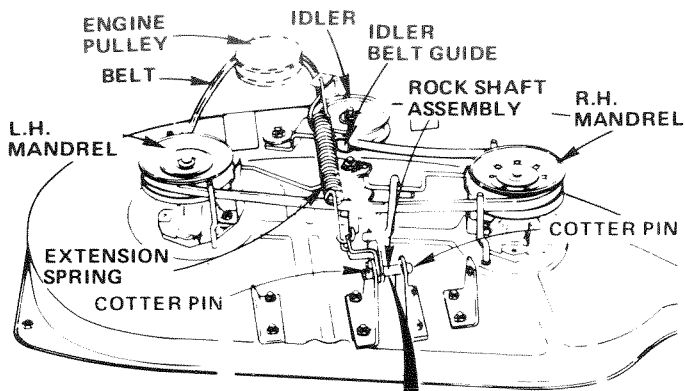


FIGURE 38

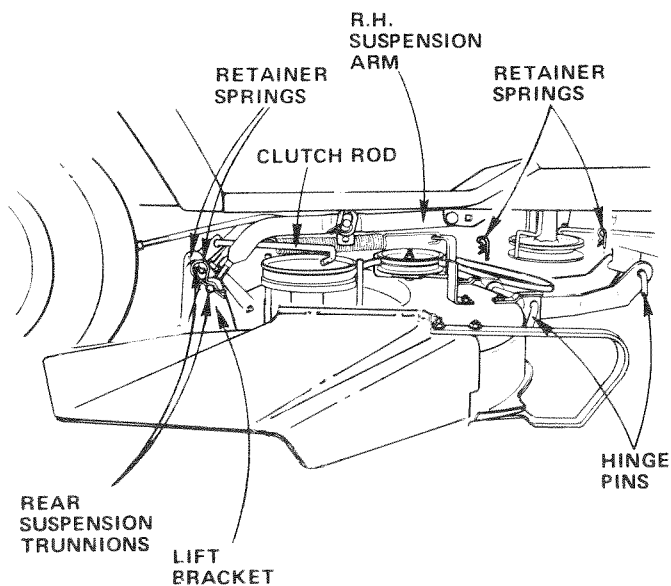
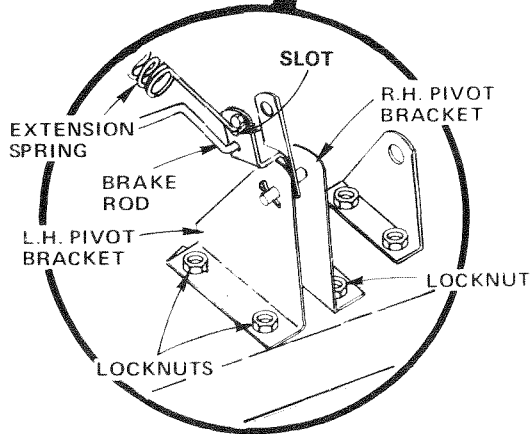


FIGURE 39

TO REMOVE MOWER BELT

NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL.

1. Place Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 37).
2. Turn Depth Adjustment Knob to lowest position. Move Mower Lift Lever (Fig. 37) forward to lower Mower to its lowest position.
3. Roll Belt off Engine Pulley (Fig. 38).
4. Pull Belt off both Mandrels.
5. Spring Belt Guide away from Idler Pulley and pull Belt off Idler Pulley.
6. Slide Belt from under Extension Spring.

TO REPLACE MOWER BELT

1. Slide Belt under Extension Spring (Fig. 38).
2. Place Belt on rear side of both Mandrels.
3. Spring Idler Belt Guide down and place Belt around rear side of Idler Pulley.
4. Roll Belt over Engine Pulley.

TO REMOVE MOWER

1. Remove mower Belt per instructions under "To Remove Mower Belt", through step 3.
2. Turn Depth Adjustment Knob to lowest position. Use Lift Lever to lower mower to its lowest position.
3. Remove Retainer Spring from Clutch Rod; pull Clutch Rod out of Clutch Bracket.
4. Pull Retainer Springs out of Rear Suspension Trunnions. Remove Rear Suspension Trunnions from Lift Brackets (Fig. 39).
5. Pull Retainer Spring out of Rear Hinge Pin. Remove Rear Hinge Pin.
6. Pull Retainer Spring out of Front Hinge Pin. Remove Front Hinge Pin (Fig. 39).
7. Use Lift Lever to raise Suspension Arms. Slide mower out from under tractor.

NOTE: IF AN ATTACHMENT OTHER THAN THE MOWER DECK IS TO BE MOUNTED ON THE TRACTOR, THE L.H. AND R.H. SUSPENSION ARMS (FIG. 39) SHOULD BE REMOVED FROM TRACTOR.

STORAGE

When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Give blade: and underside of housing a good coat of grease or rust preventive. Store in a clean dry area.

ROUBLE SHOOTING

| POSSIBLE CAUSE | POSSIBLE REMEDY |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| WILL NOT START | |
| Foot Pedal not depressed | Depress Foot Pedal fully |
| Mower Blade Clutch Lever engaged | Disengage Lever (Fig. 10). Be sure Lever is in bottom of slot |
| No gasoline in Fuel Tank, clogged Fuel Line, or Fuel Filter | Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary). Replace Fuel Filter. |
| Blown Fuse | Check for fault and replace Fuse |
| Dead Battery | Recharge or replace Battery |
| WON'T START | |
| Choked improperly, flooded Engine | Place Throttle Control in "FAST" position (Fig. 10) and run starter several times to clear out gas |
| Clogged Fuel System | Remove and clean Tank and lines, Replace Fuel Filter |
| Dirty Air Cleaner | Remove and clean (Fig. 28) |
| Spark Plug dirty or improper gap | Clean, adjust gap or replace (Fig. 30) |
| Defective Battery | Replace or replace |
| Defective Ignition or loose wiring | Check the wiring and Spark Plug |
| Water in gasoline or old fuel | Drain Fuel Tank and Carburetor, use fresh fuel and replace Spark Plug |
| Improper Carburetor adjustment | Make necessary adjustments (Fig. 31) |
| ENGINE MISSES OR LACKS POWER | |
| Engine overload | Shift to a lower gear (Fig. 24) or reduce load |
| Clogged Fuel Tank or Fuel Filter | Remove and clean Tank; replace Fuel Filter |
| Partially plugged Air Cleaner | Remove and clean (Fig. 28) |
| Improper Carburetor adjustment | Make necessary adjustments (Fig. 31) |
| Dirty Engine Air Screen | Clean Air Screen (Fig. 25) |
| Low oil level or dirty oil | Add or change oil (page 14) |
| Spark Plug dirty, improper gap or wrong type | Replace Spark Plug (Fig. 30) |
| Faulty ignition | Check Spark Plug and check for loose wires |
| Poor compression | Major Engine overhaul |
| Oil in gasoline | Drain Gas Tank and Carburetor and refill |
| ENGINE OVERHEATS | |
| Dirty Air Screen | Clean Air Screen (Fig. 25) |
| Low oil level or dirty oil | Add or change oil (page 14) |
| Dirty Engine | Clean Engine Cooling Fins (page 16) |
| Partially plugged Muffler | Remove and clean Muffler or replace |
| Partially plugged Air Cleaner | Remove and clean (Fig. 28) |
| Stale fuel or improper Carburetor adjustment | Use fresh fuel and adjust Carburetor (Fig. 31) |
| NO LIGHTS | |
| No Headlights with Light Switch on and Engine running | Check Fuse, Switch and wire connections. Replace Headlight Bulbs |
| WON'T CHARGE | |
| Blown Fuse | Check for fault and replace |
| Defective Battery | Replace |
| Defective Diode Assembly | Replace |
| Defective Alternator | Replace |
| SATISFACTORY MOWER PERFORMANCE/UNEVEN DISTRIBUTION OF CLIPPINGS | |
| Tires not inflated properly | Check air pressure in tires (page 6) |
| Mower improperly adjusted | Check front to rear and side to side mower adjustment (page 10) |
| Grass high or wet | Use a slower ground speed (refer to Mower Operating Instructions, page 11) |
| Incorrect engine RPM's | Check engine RPM's (refer to Carburetor Adjustment, page 17) |
| Excessive wear to outer cutting tip of mower blade | Replace mower blade |
| Improper mower blade installation | Reinstall with top of blade up |
| Incorrect mower blade | Replace with proper mower blade |
| Belt slippage | Re-adjust mower drive belt (page 19) |

WARNING

FUEL SYSTEM
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.

Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

ENGINE OIL
Drain (with engine warm) and replace with clean engine oil. See chart, page 7).

CYLINDER
Remove Spark Plug.

- Pour one ounce of engine oil through spark plug hole into cylinder.
- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new Spark Plug.

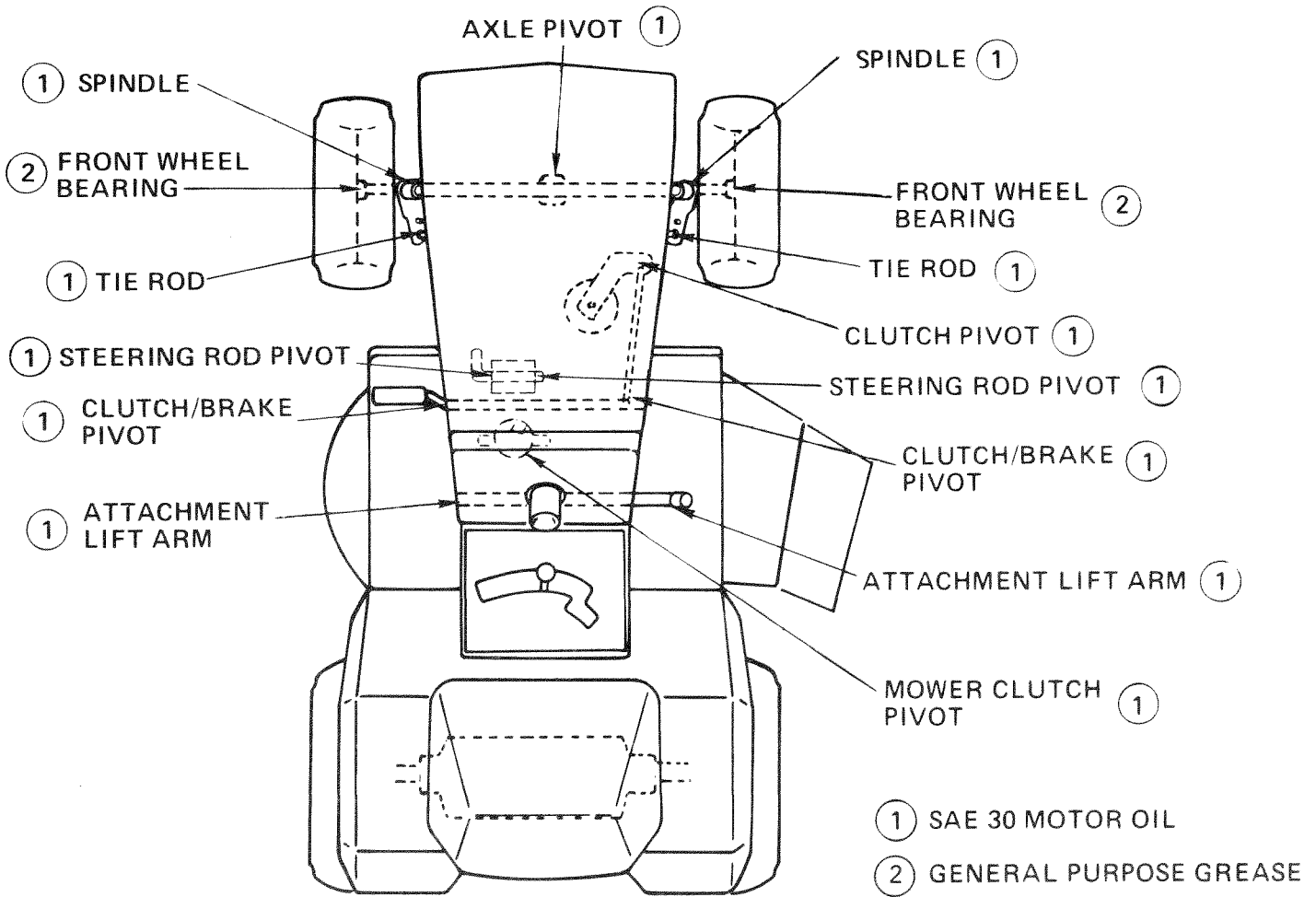
4. BATTERY

- Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F.).
- Re-charge each month at 6 amps for 1 hour. NOTE BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHATE DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

5. GENERAL CLEANING

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

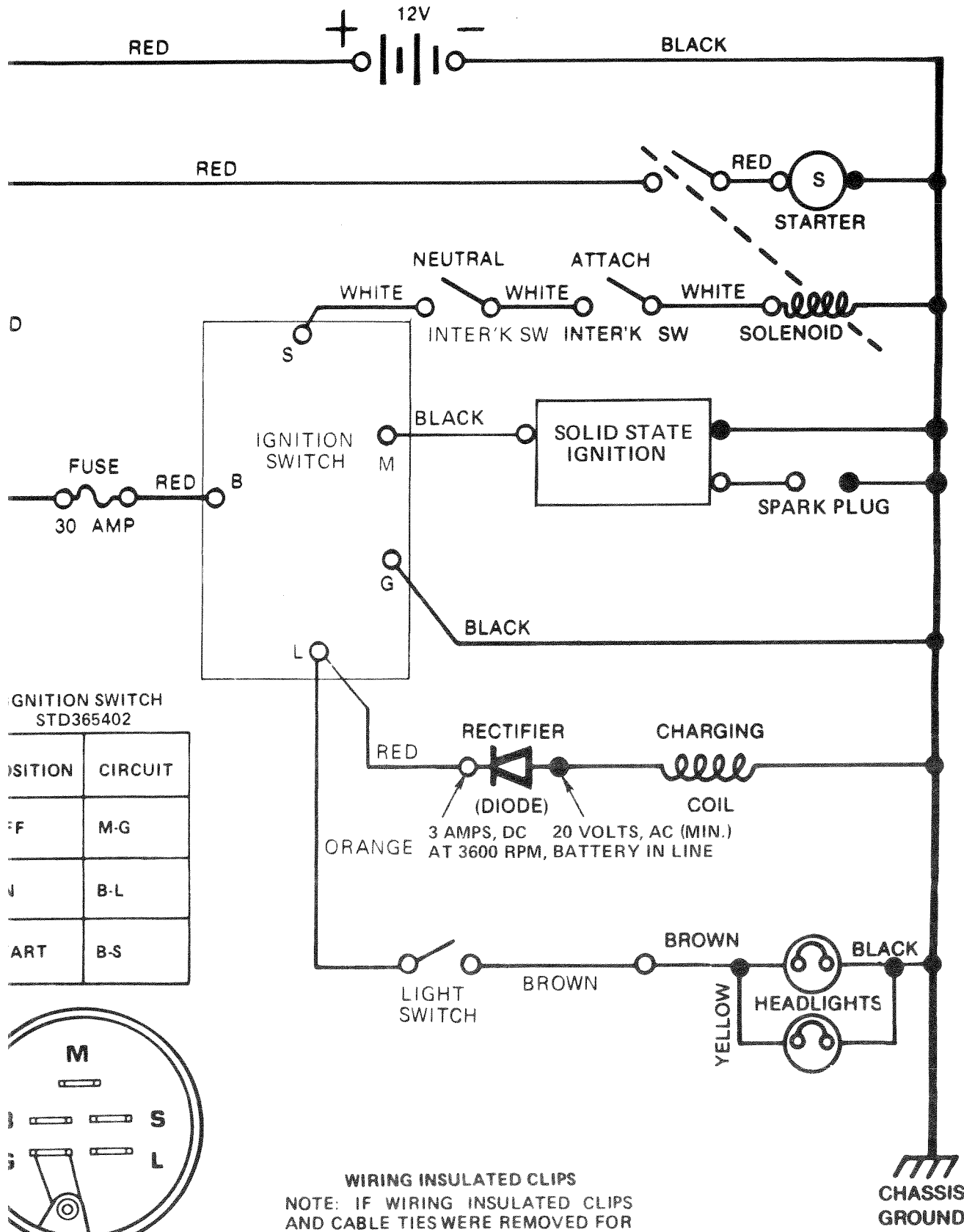
LUBRICATION CHART



| SERVICE RECORD | FREQUENTLY EVERY 8 HOURS EVERY 25 HOURS EVERY 50 HOURS EVERY 100 HOURS AS NEEDED | | | | | SERVICE DATES |
|---------------------------------------|-------------------------------------------------------------------------------------------------|---|---|---|---|---------------|
| | | | | | | |
| Check Engine Oil Level | | ✓ | | | | |
| Change Engine Oil (see chart, page 7) | | | ✓ | | | |
| Lubricate Pivot Points | | | ✓ | | | |
| Check Brake Operation | ✓ | | | | | |
| Clean Air Screen | ✓ | | | | | |
| Clean Air Cleaner Element | | | ✓ | | | |
| Replace Air Cleaner Element | | | | ✓ | | |
| Clean Engine Cooling Fins | | | ✓ | | | |
| Replace Spark Plug | | | | ✓ | | |
| Check Battery Level | ✓ | | | | | |
| Check Tire Pressure | ✓ | | | | | |
| Replace Fuel Filter | | | | | ✓ | |

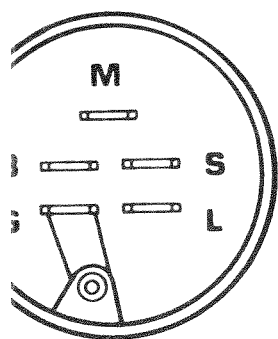
12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

MATIC



IGNITION SWITCH
STD365402

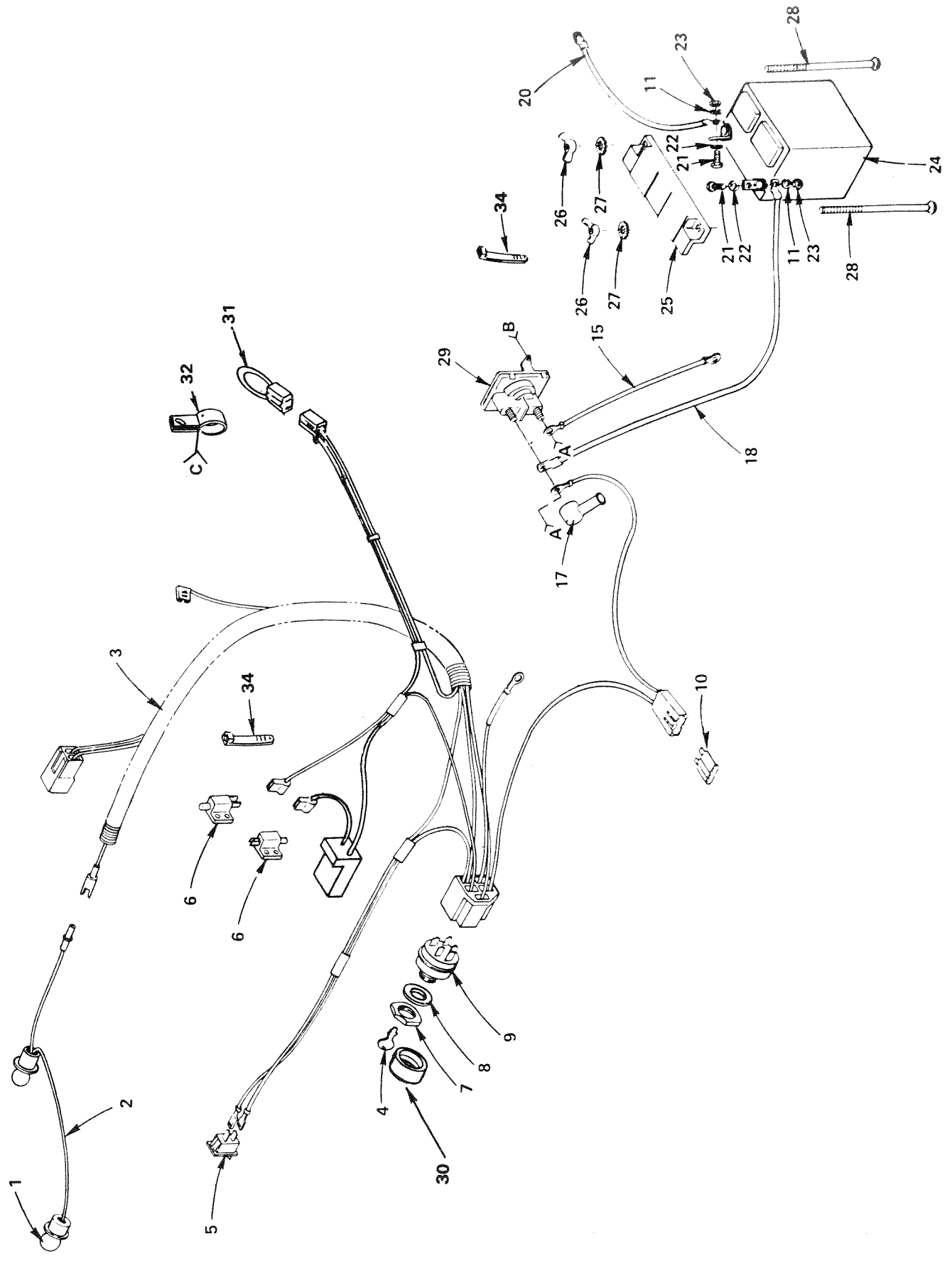
| POSITION | CIRCUIT |
|----------|---------|
| OFF | M-G |
| ON | B-L |
| PART | B-S |



WIRING INSULATED CLIPS
NOTE: IF WIRING INSULATED CLIPS AND CABLE TIES WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING.

REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120



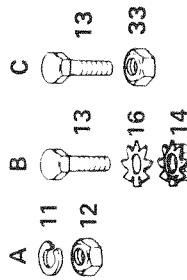
ELECTRICAL

ELECTRICAL

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.505120

| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|-----------|----------------------------------|---------|-----------|---------------------------------------------------------------------|
| 1 | 7662J | Bulb, Light | 17 | 719J | Cover, Terminal |
| 2 | 105386X | Harness, Light Socket | 18 | 5114J | Cable, Battery |
| 3 | 109924X | Harness, Ignition | 20 | 4207J | Cable, Battery |
| 4 | 109310X | Key Set | 21 | STD522507 | *Bolt, Hex, 1/4 - 20 x 3/4 |
| 5 | 105381X | Switch, Light | 22 | STD551025 | *Washer 9/32 x 5/8 x 16 Ga. |
| 6 | 104445X | Switch, Interlock | 23 | STD541025 | *Nut, Hex 1/4 - 20 |
| 7 | 109788X | Nut, Ignition | 24 | 6410J | Battery, 12V., Sears |
| 8 | 19221616 | Washer 11/16 x 1 x 16 Ga. | 25 | 102476X | Terminal Guard |
| 9 | STD365402 | Switch, Ignition | 26 | STD541625 | *Wing Nut 1/4 - 20 |
| 10 | 108824X | Fuse, 30 Amp. | 27 | 11030400 | Int./Ext. Tooth Lockwasher 1/4 |
| 11 | STD551125 | *Washer, Lock, 1/4 | 28 | 72240460 | Battery Bolt (Bolt - Carriage, Rd. Hd. Sq. Neck 1/4 - 20 x 7 - 1/2) |
| 12 | STD541225 | *Nut, Hex Jam 1/4 - 20 | 29 | 109081X | Solenoid |
| 13 | STD522505 | *Bolt, Hex, 1/4 - 20 x 1/2 Gr. 5 | 30 | 109787X | Bezel, Ignition |
| 14 | 73510400 | Nut, Keys 1/4 - 20 | 31 | 102501X | Loop - Wire |
| 15 | 108423X | Cable Assembly | 32 | 235R | Clip - Insulator |
| 16 | 11050400 | Washer, Lock, Ext. Tooth, 1/4 | 33 | 73680400 | Nut - Crownlock 1/4 - 20 |
| | | | 34 | 7192J | Cable Tie |
| | | | --- | 101539X | Sheet - Instruction, Tractor 15° Slope |
| | | | --- | 109827X | Owners Manual |

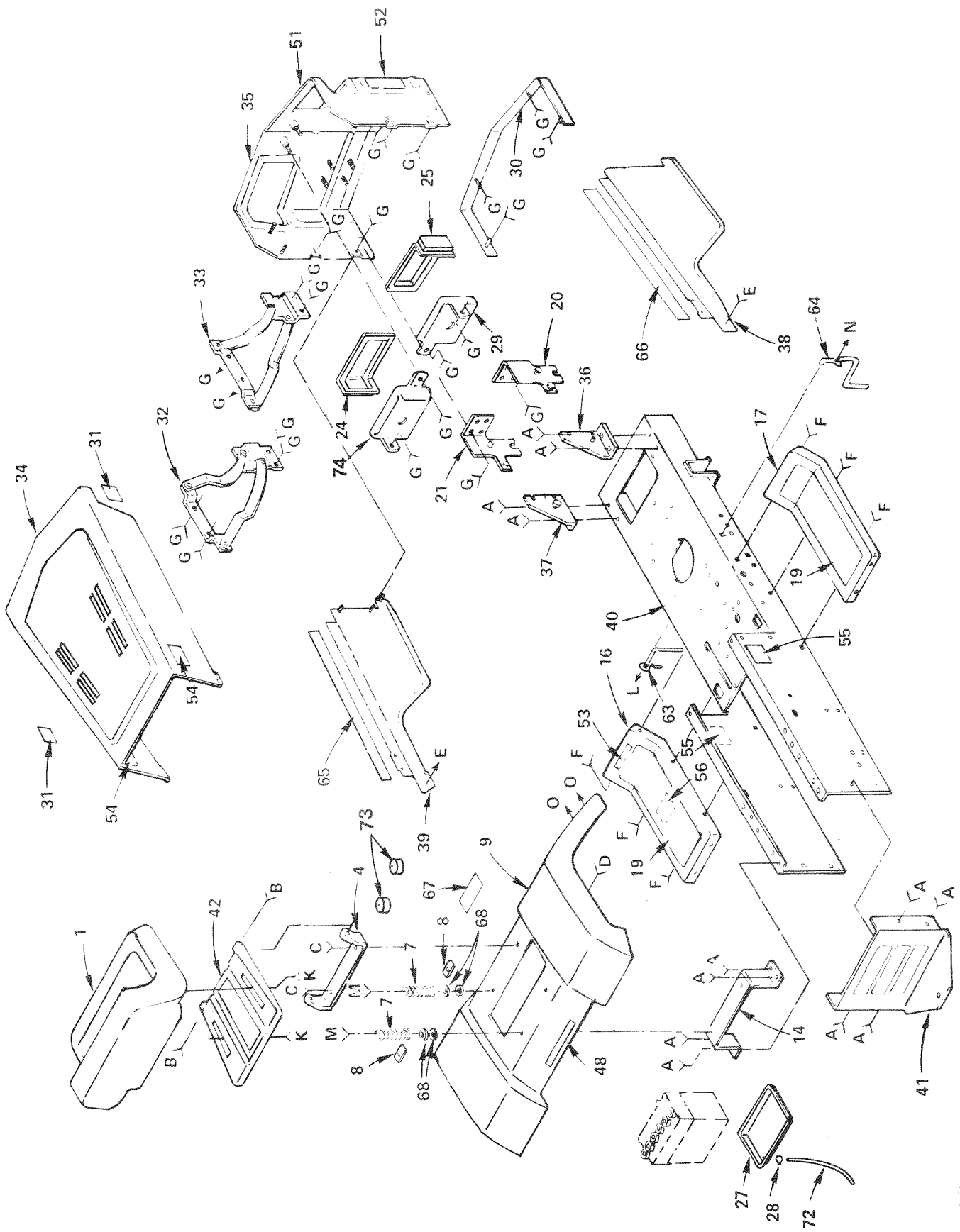
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

ENCLOSURE

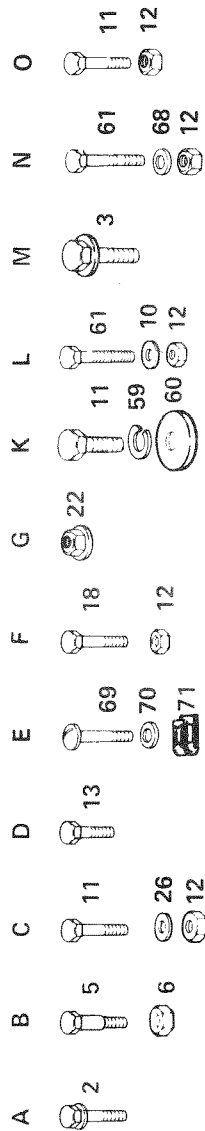


12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

ENCLOSURE

| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|-----------|-----------------------------------------------------|---------|-----------|----------------------------------------|
| 1 | 110055X | Seat | 33 | 105792X | Hinge, Hood, R.H. |
| 2 | 17490612 | Screw, Hex Washer Thd., Roll 3/8 - 16 x 3/4 Type TT | 34 | 105682X | Hood Assembly |
| 3 | 17490616 | Screw, Hex Washer Thd., Rolling 3/8 - 16 x 1 | 35 | 105678X | Grill Assembly |
| 4 | 105513X | Bracket - Pivot, Seat | 36 | 108500X | Bracket, Frame, Pivot, R.H. |
| 5 | 105529X | Bolt, Shoulder, 5/16 - 18 | 37 | 108501X | Bracket, Frame, Pivot, L.H. |
| 6 | 73680500 | Nut, Lock, 5/16 - 18 | 38 | 106927X | Side Panel, R.H. |
| 7 | 105512X | Spring - Compression | 39 | 106929X | Side Panel, L.H. |
| 8 | 105514X | Clamp, Spring | 40 | 109512X | Chassis Assembly |
| 9 | 105274X | Fender | 41 | 102481X | Drawbar |
| 10 | 19131312 | Washer 13/32 x 13/16 x 12 Ga. | 42 | 108176X | Pan - Seat |
| 11 | STD523707 | *Bolt, Hex, 3/8 - 16 x 3/4 | 48 | 105801X | Decal - Reflective, Rear |
| 12 | 73680600 | Nut, Lock 3/8 - 16 | 51 | 105806X | Decal, Grill Craftsman |
| 13 | 17490608 | Screw, Hex Washer Thd., Roll 3/8 - 16 x 1/2 | 52 | 105807X | Decal, Grill, Stripe |
| 14 | 105753X | Bracket, Fender | 53 | 101892X | Decal, Clutch/Brake |
| 16 | 105465X | Footrest, L.H. | 54 | 110011X | Decal, 12 H.P. |
| 17 | 105464X | Footrest, R.H. | 55 | 105809X | Decal |
| 18 | STD533707 | *Bolt, Carr. 3/8 - 16 x 3/4 | 56 | 109199X | Decal, V Belt Schematic |
| 19 | 105466X | Pad, Footrest | 59 | STD551137 | *Washer - Lock 3/8 |
| 20 | 108504X | Bracket, Pivot, Grill, R.H. | 60 | 19131212 | Washer 13/32 x 3/4 x 12 Ga. |
| 21 | 108505X | Bracket, Pivot, Grill, L.H. | 61 | STD523710 | *Bolt, Hex 3/8 - 16 x 1 |
| 22 | 108067X | Pal Nut 1/4 - 20 | 63 | 106301X | Guide - Belt, Lower, Eng. Pulley, L.H. |
| 24 | 108361X | Lens, L.H. | 64 | 106300X | Guide - Belt, Lower, Eng. Pulley, R.H. |
| 25 | 108360X | Lens, R.H. | 65 | 106811X | Decal - Stripe, Side Panel, L.H. |
| 26 | 19131210 | Washer 13/32 x 3/4 x 10 Ga. | 66 | 106812X | Decal - Stripe, Side Panel, R.H. |
| 27 | 7603J | Tray, Battery | 67 | 109823X | Decal, OPEI, Caution |
| 28 | 109596X | Clamp - Hose | 68 | 19132012 | Washer 13/32 x 1 - 1/4 x 12 Ga. |
| 29 | 106005X | Bezel, R.H. | 69 | 106909X | Screw - Special |
| 30 | 109745X | Strap Assembly, Grill | 70 | 106910X | Washer |
| 31 | 108631X | Decal, II | 71 | 106911X | Clip |
| 32 | 105797X | Hinge, Hood, L.H. | 72 | 105687X | Tube - Plastic |
| | | | 73 | 109412X | Cap, Spring |
| | | | 74 | 106006X | Bezel, L.H. |

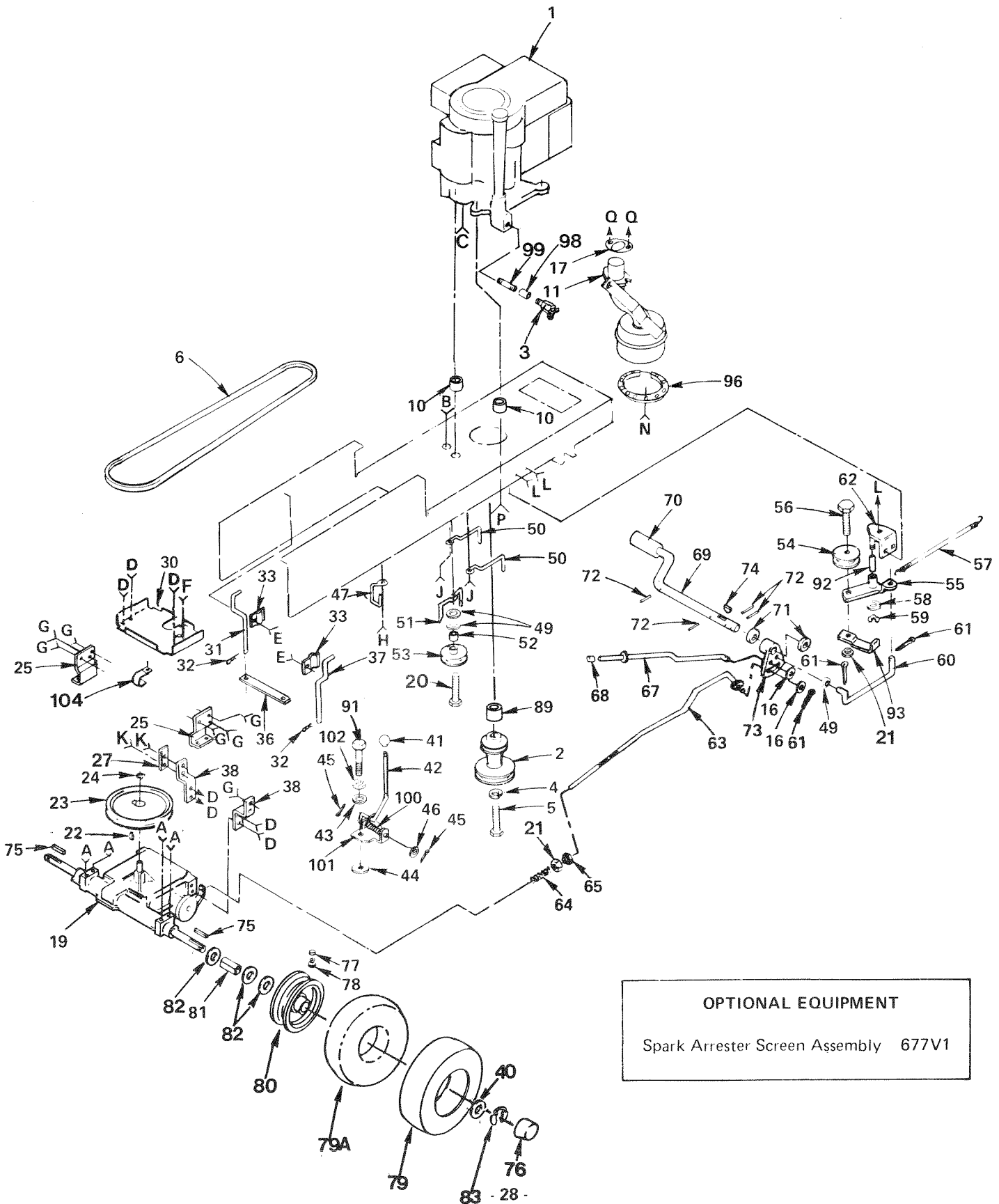
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

DRIVE



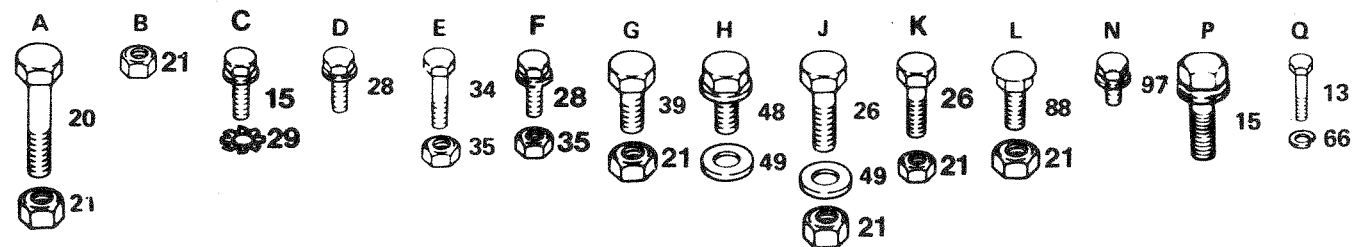
REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

RIVE

| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|-----------|------------------------------------------------------------------------|---------|-----------|-----------------------------------------|
| | 109500X | Engine, 12 H.P. Model No. 143.376012 | 49 | 19131312 | Washer 13/32 x 13/16 x 12 Ga. |
| | 105731X | Pulley, Engine | 50 | 105730X | Keeper, Belt, Engine |
| | 9767H | Valve, Drain Oil | 51 | 109070X | Keeper, Belt |
| | STD551143 | *Washer, Lock, 7/16 | 52 | 4470J | Spacer |
| | 74770728 | Bolt, Hex 7/16 - 20 x 1 - 3/4 | 53 | 4859J | Idler, Flat |
| | 105732X | V-Belt, Drive | 54 | 106298X | Pulley, Idler |
| | 101200K | Spacer - Engine | 55 | 105705X | Bellcrank Assembly (Inc. Key No. 92) |
| | 108835X | Muffler | 56 | STD523715 | *Bolt, Hex 3/8 - 16 x 1 - 1/2 |
| | 74030510 | Bolt, Fil. Hd. Cross, Recess 5/16 - 18 x 5/8 | 57 | 105709X | Spring, Return, Clutch |
| | 17490628 | Screw, Hex Washer Thd. Rolling 3/8 - 16 x 1 - 3/4 | 58 | 207J | Washer, Hardened |
| | 19131316 | Washer 13/32 x 13/16 x 16 Ga. | 59 | 12000039 | Ring, Klip |
| | 2949R | Gasket, Muffler | 60 | 105710X | Link, Clutch |
| | 108855X | Transaxle, Model No. 4150-18 (see pages 36 and 37 for parts breakdown) | 61 | 76020412 | Pin, Cotter 1/8 x 3/4 |
| | STD523727 | *Bolt, Hex 3/8 - 16 x 2 - 3/4 | 62 | 105724X | Bracket, Clutch |
| | 73680600 | Nut, Lock 3/8 - 16 | 63 | 105752X | Rod, Brake |
| | STD580025 | *Key, Woodruff | 64 | 106888X | Spring, Rod, Brake |
| | 105703X | Pulley, Transaxle | 65 | 73350600 | Nut - Jam 3/8 - 16 |
| | 12000028 | Ring, Retainer | 66 | STD551131 | *Washer - Lock 5/16 |
| | 109167X | Bracket, Transaxle | 67 | 105758X | Rod, Brake, Parking |
| | STD523710 | *Bolt, Hex 3/8 - 16 x 1 | 68 | 71673 | Cap - Plunger |
| | 106157X | Plate, Strap, Torque | 69 | 109037X | Shaft, Foot Pedal |
| | 17490512 | Screw, Hex Washer Thread Rolling 5/16 - 18 x 3/4 | 70 | 8883R | Cover - Pedal |
| | 11050600 | Lockwasher, Ext. Tooth 3/8 | 71 | 19252016 | Washer 25/32 x 1 - 1/4 x 16 Ga. |
| | 108171X | Support, Battery | 72 | STD571810 | *Pin, Roll, 3/16 x 1 |
| | 109368X | Keeper, Belt, L.H. | 73 | 106918X | Arm, Brake |
| | 4921H | Retainer, Spring | 74 | STD580025 | *Key, Woodruff |
| | 106190X | Clamp | 75 | STD580105 | *Key, Square 3/16 x 2 |
| | STD523107 | *Bolt, Hex 5/16 - 18 x 3/4 | 76 | 104757X | Cap, Hub, Rear |
| | 73680500 | Nut, Lock 5/16 - 18 | 77 | 59192 | Cap, Valve |
| | 109370X | Strap, Locator | 78 | 65139 | Stem, Valve |
| | 109369X | Keeper, Belt, R.H. | 79 | 106268X | Tire, Rear - 18 x 9.50 x 8 |
| | 105842X | Strap, Torque, Transaxle | 79A | 7152J | Tube, Tire (not furnished with tractor) |
| | STD523707 | *Bolt, Hex 3/8 - 16 x 3/4 | 80 | 106108X | Rim Assembly, Rear |
| | 19252616 | Washer 25/32 x 1 - 5/8 x 16 Ga. | 81 | 109502X | Spacer, Split |
| | 106933X | Knob, Shift | 82 | 19252016 | Washer 25/32 x 1 - 1/4 x 16 Ga. |
| | 105699X | Rod, Shift | 83 | 12000001 | E-Ring |
| | 19091210 | Washer 9/32 x 3/4 x 10 Ga. | 88 | STD533707 | *Bolt, Carriage 3/8 - 16 x 3/4 |
| | 105701X | Washer - Shift, Plate | 89 | 6404J | Spacer, Engine, Pulley |
| | STD561210 | *Cotter Pin, 1/8 x 1 | 91 | 71040412 | Bolt - Fin. Hex 1/4 - 28 x 3/4 |
| | 19151216 | Washer 15/32 x 3/4 x 16 Ga. | 92 | 105706X | Bearing |
| | 104777X | Retainer, Belt | 93 | 106499X | Retainer - Belt |
| | 17490612 | Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4 | 96 | 101326L | Deflector, Muffler |
| | | | 97 | 17210806 | Screw, Hex Washer No. 8 - 32 x 3/8 |
| | | | 98 | 13300300 | Coupling, Pipe, Std. 3/8 - 18 NPT |
| | | | 99 | 13280308 | Nipple, Pipe |
| | | | 100 | 105700X | Spring, Torsion |
| | | | 101 | 106919X | Plate, Shift |
| | | | 102 | STD551125 | *Washer - Lock 1/4 |
| | | | 104 | 5401R | Clip - Insulated |

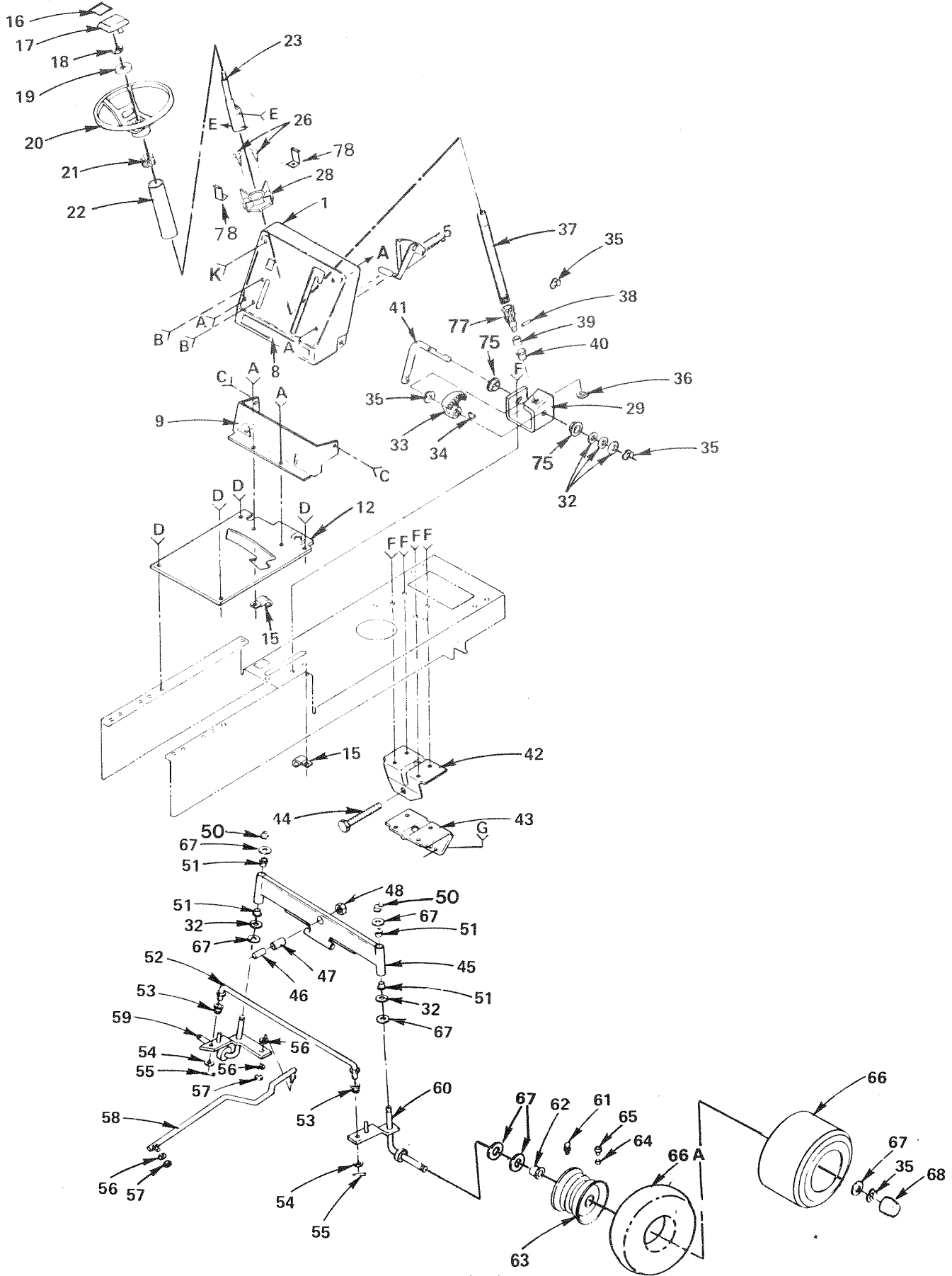
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

STEERING AND FRONT AXLE



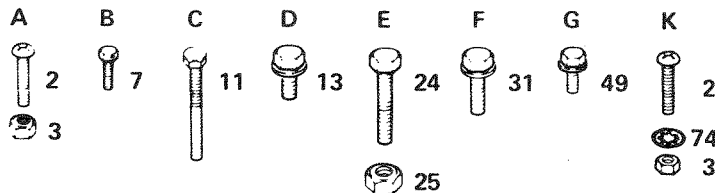
PAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

STEERING AND FRONT AXLE

| PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|-----------|-------------------------------------------------------------|---------|-----------|--------------------------------------------------------------|
| 109283X | Dash | 36 | 101930X | Washer Hardened |
| 74180512 | Screw - Truss Hd., Cross Recess 5/16 - 18 x 3/4 | 37 | 109068X | Shaft - Steering - Lower |
| 73510500 | Nut - Keps 5/16 - 18 | 38 | 2882J | Pin - Drive 3/16 x 1 |
| 108793X | Control - Throttle | 39 | 74580 | Spacer .627 x .88 x .695 |
| 17720408 | Screw - Hex Thread Cut. 1.4 - 20 x 1/2 | 40 | 71208 | Bushing |
| 108456X | Decal - Dash Lower | 41 | 108683X | Rod - Steering |
| 105621X | Dash - Lower | 42 | 105663X | Support - Saddle - Rear |
| 17190508 | Screw - Hex Washer Hd., Thread Cut. 5/16 - 18 x 1/2 | 43 | 105664X | Support - Saddle - Front |
| 105843X | Saddle | 44 | 74761060 | Bolt - Hex 5/8 - 11 x 3 - 3/4 |
| 17490608 | Screw - Hex Washer Hd., Thread Rolling 3/8 - 16 x 1/2 | 45 | 105669X | Axle - Front |
| 2751R | Clip | 46 | 105725X | Spacer - Axle |
| 105810X | Decal - Cap, Steering Wheel | 47 | 105726X | Bearing - Axle |
| 100710L | Insert - Steering Wheel | 48 | 73901000 | Nut - Lock, Flange 5/8 - 11 |
| STD541350 | *Nut - Hex Jam 1/2 - 20 | 49 | 17490508 | Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Type TT |
| 100712K | Washer | 50 | 12000029 | Klip Ring |
| 100713N | Wheel - Steering | 51 | 3366R | Bearing |
| 100711L | Adapter - Steering Wheel | 52 | 105715X | Rod - Tie |
| 109285X | Sleeve - Steering | 53 | 102792X | Bushing |
| 105643X | Shaft - Steering - Upper | 54 | 19131416 | Washer 13/32 x 7/8 x 16 Ga. |
| STD523712 | *Bolt - Hex 3/8 - 16 x 1 - 1/4 | 55 | 76020412 | Pin - Cotter 1/8 x 3/4 |
| 73680600 | Nut - Lock 3/8 - 16 | 56 | STD551137 | *Washer - Lock 3/8 |
| 17431008 | Screw - Hex Self Tap. No. 10 - 16 x 1/2 | 57 | STD541137 | *Nut - Hex 3/8 - 24 |
| 109284X | Bushing - Steering | 58 | 105727X | Link - Drag |
| 109432X | Bracket - Steering | 59 | 105656X | Spindle - L.H. |
| 17490612 | Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Type TT | 60 | 105654X | Spindle - R.H. |
| 6266H | Bearing - Thrust | 61 | 278H | Fitting - Grease |
| 108684X | Gear - Sector | 62 | 9040H | Bearing - Flange |
| 106126X | Key - Woodruff | 63 | 106732X | Rim - 6" - Front |
| 12000029 | Klip Ring | 64 | 59192 | Cap - Valve |
| | | 65 | 65139 | Stem - Valve |
| | | 66 | 106222X | Tire - Rib 15 x 6.00 - 6 |
| | | 66A | 59904 | Tube - Front (not furnished with tractor) |
| | | 67 | 19252016 | Washer 25/32 x 1 - 1/4 x 16 Ga. |
| | | 68 | 104757X | Cap - Hub - Front |
| | | 74 | 11150500 | Washer, Lock, Int. Tooth 5/16 |
| | | 75 | 109816X | Nyliner - Snap-In |
| | | 77 | 108685X | Gear, Pinion |
| | | 78 | 110130X | Retainer, Steering Sleeve |

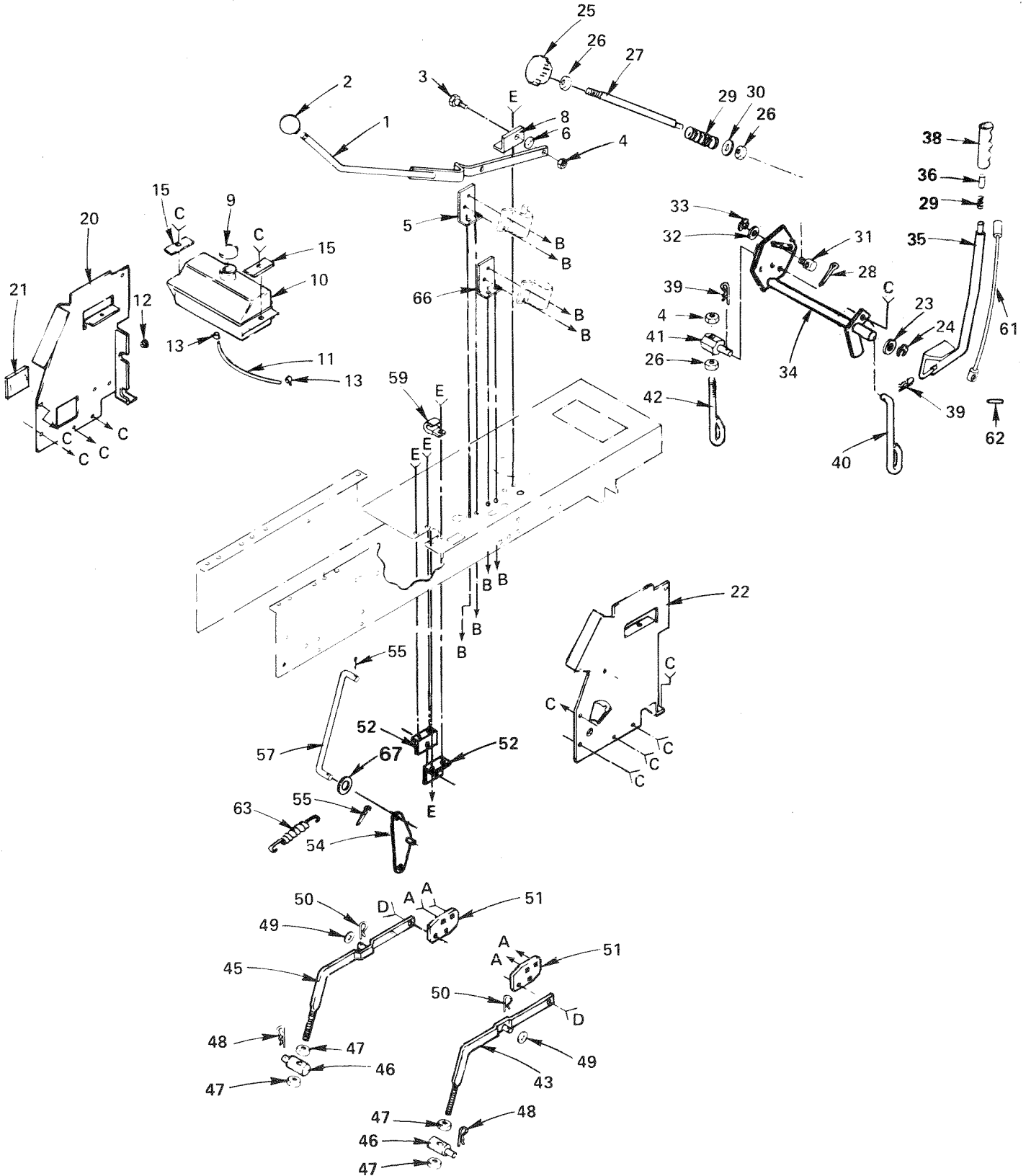
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

LIFT ADJUSTMENT



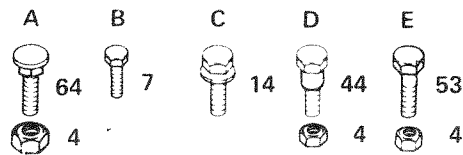
REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

CLUTCH ADJUSTMENT

| PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|-----------|-----------------------------------------------|---------|-----------|-------------------------------|
| 106448X | Lever, Clutch, Mower | 34 | 109817X | Shaft, Lift |
| 106932X | Knob | 35 | 105768X | Lever, Assembly |
| 106451X | Bolt, Shoulder | 36 | 105723X | Plunger |
| 73680600 | Nut, Lock, 3/8 - 16 | 38 | 109413X | Grip, Handle |
| 106452X | Bracket, Switch, Interlock | 39 | 4939M | Retainer, Spring |
| 19171713 | Washer 17/32 x 1 - 1.16 x 13 Ga. | 40 | 110029X | Link, Lift |
| 17021008 | Screw, Hex, Tapping, No. 10 - 24 x 1 2 | 41 | 106204X | Trunnion, Lift |
| 106447X | Support, Lever, Clutch | 42 | 105855X | Link, Lift, Adjustable |
| 109462X | Cap, Fuel | 43 | 105862X | Arm, Suspension, R.H. |
| 109202X | Tank, Fuel | 44 | 105848X | Bolt, Shoulder, 3/8 - 16 |
| 101335K | Line, Fuel | 45 | 105863X | Arm, Suspension, L.H. |
| 9151R | Grommet | 46 | 106308X | Trunnion, Lift, Lower |
| 6999R | Clamp, Hose | 47 | STD541250 | *Nut, Hex, 1/2 - 13 |
| 17490612 | Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3 4 | 48 | 9135R | Retainer, Spring |
| 106901X | Clamp, Tank, Fuel | 49 | 19171416 | Washer 17/32 x 7/8 x 16 Ga. |
| 106920X | Panel, Dash, L.H. | 50 | 4921H | Retainer, Spring |
| 105505X | Cover, Access | 51 | 105864X | Bracket, Suspension |
| 106921X | Panel, Dash, R.H. | 52 | 106444X | Bracket, Bellcrank |
| 19292016 | Washer 29/32 x 1 - 1/4 x 16 Ga. | 53 | STD523707 | *Bolt, Hex 3/8 - 16 x 3/4 |
| 12000029 | Klip Ring | 54 | 109728X | Bellcrank Assembly |
| 100734K | Knob | 55 | 76020412 | Pin, Cotter, 1/8 x 3/4 |
| STD541237 | *Nut, Hex Jam 3/8 - 16 | 57 | 106446X | Rod, Clutch, Primary |
| 105686X | Rod, Adjust, Lift | 59 | 5320R | Clip |
| 76020308 | Pin, Cotter 3/32 x 1/2 | 61 | 105764X | Rod Assembly - Lever, Lift |
| 2876H | Spring | 62 | 105767X | Pin - Groove |
| 19131016 | Washer 13/32 x 5/8 x 16 Ga. | 63 | 106810X | Spring - Extension |
| 101272K | Trunnion, Depth Adjustment | 64 | 72140606 | Bolt, Carriage 3/8 - 16 x 3/4 |
| 19151216 | Washer 15/32 x 3/4 x 16 Ga. | 66 | 108236X | Bracket, Switch |
| 12000037 | Klip Ring | 67 | 19131410 | Washer 13/32 x 7/8 x 10 Ga. |

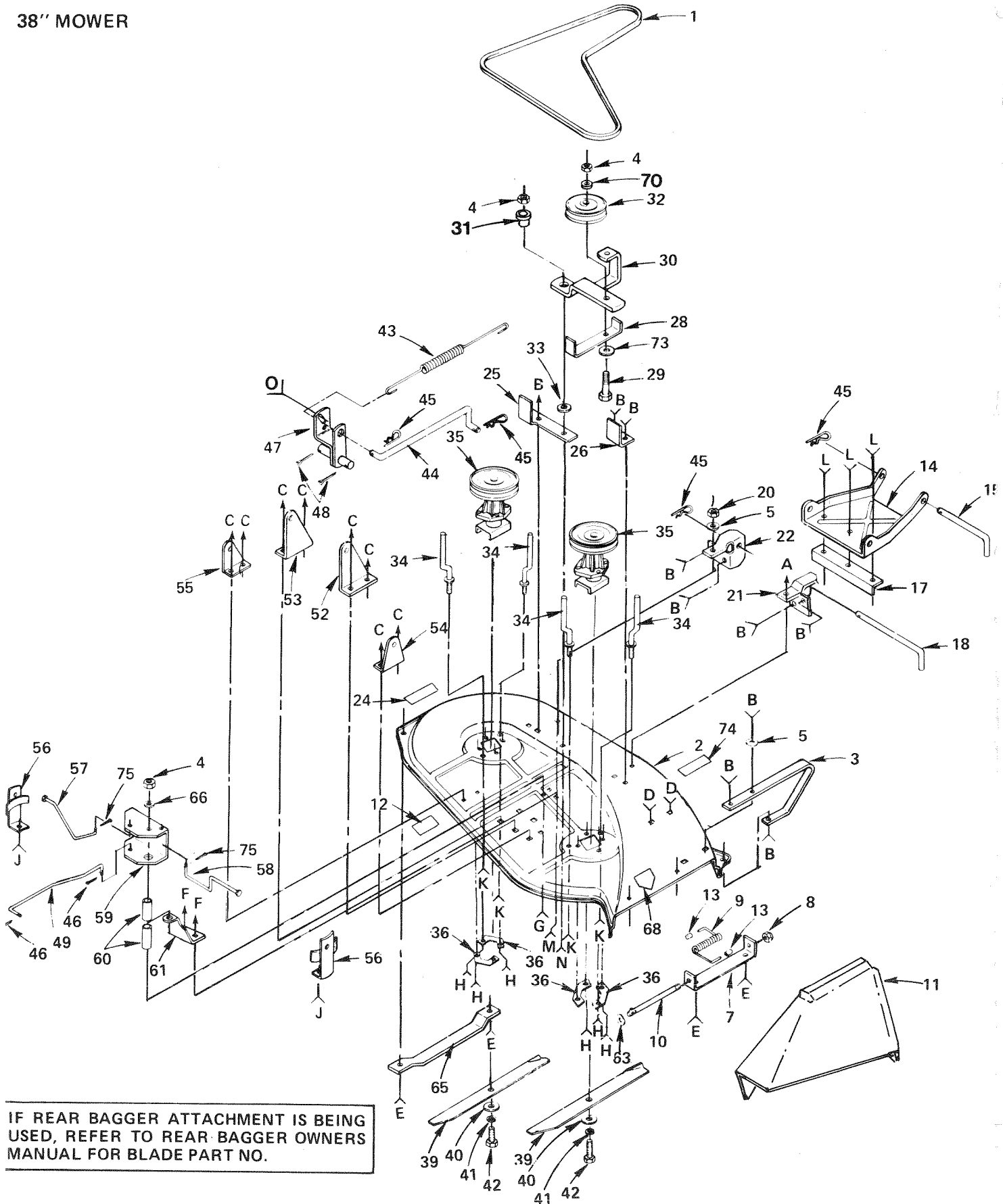
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

38" MOWER



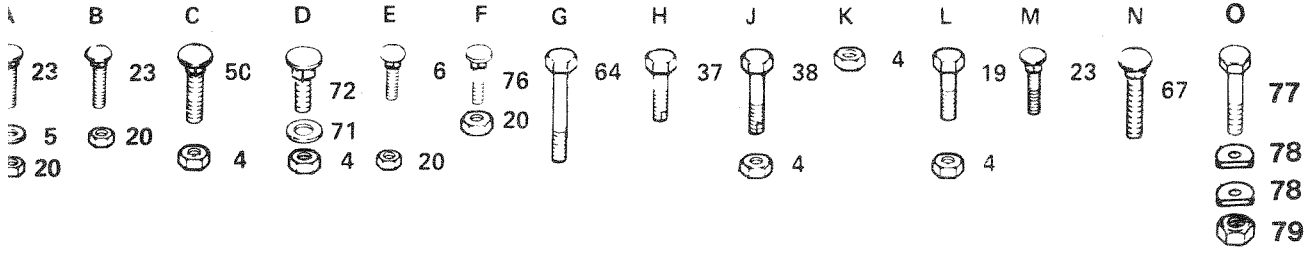
PAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120

MOWER

| PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|-----------|------------------------------------------|---------|-----------|-------------------------------------|
| 106085X | V-Belt | 40 | 19132012 | Washer 13/32 x 1 - 1/4 x 12 Ga. |
| 105689X | Housing | 41 | STD551137 | *Washer, Lock 3/8 |
| 8417J | Runner, R.H. | 42 | STD623715 | *Bolt, Hex 3/8 - 24 x 1 - 1/2 Gr. 5 |
| 73680600 | Nut - Lock 3/8 - 16 | 43 | 108250X | Spring, Extension |
| 19111216 | Washer 11/32 x 3/4 x 16 Ga. | 44 | 108235X | Rod - Clutch, Mower |
| 72140505 | Bolt, Carr., 5/16 - 18 x 5/8 | 45 | 4921H | Spring, Retainer |
| 105896X | Bracket - Deflector | 46 | STD560907 | *Pin - Cotter 3/32 x 3/4 |
| 5846R | Nut | 47 | 109892X | Rock Shaft Assembly |
| 106734X | Spring, Deflector | 48 | 76020616 | Pin, Cotter 3/16 x 1 |
| 106735X | Rod - Hinge | 49 | 108247X | Rod, Brake, Primary |
| 106736X | Deflector - Shield | 50 | STD533707 | *Bolt, Carr. 3/8 - 16 x 3/4 |
| 105814X | Decal | 52 | 108243X | Bracket, Pivot, R.H. |
| 105304X | Cap | 53 | 108241X | Bracket, Pivot, L.H. |
| 105662X | Link, Parallel | 54 | 105857X | Bracket, Susp., Rear, R.H. |
| 105744X | Pin - Hinge, Front | 55 | 108673X | Bracket, Susp., Rear, L.H. |
| 105872X | Stop, Link | 56 | 106578X | Brake Assembly |
| 105743X | Pin - Hinge, Rear | 57 | 106463X | Rod, Brake, Secondary L.H. |
| STD523707 | *Bolt - 3/8 - 16 x 3/4 | 58 | 108249X | Rod, Brake, Secondary, R.H. |
| 73680500 | Nut, Lock 5/16 - 18 | 59 | 106456X | Bracket, Brake, Pivot |
| 109598X | Bracket, Lift, R.H. | 60 | 100672K | Spacer, Brake |
| 109597X | Bracket, Lift, L.H. | 61 | 100673L | Bracket, Support |
| STD533107 | *Bolt - Carr. 5/16 - 18 x 3/4 | 63 | 19111016 | Washer, 11/32 x 5/8 x 16 Ga. |
| 109820X | Instruction - Caution Decal | 64 | 74760684 | Bolt, 3/8 - 16 x 5 - 1/4 |
| 109503X | Support, Arm | 65 | 7631J | Runner, L.H. |
| 109504X | Stop, Deck, Front | 66 | 19131614 | Washer 13/32 x 1 x 14 Ga. |
| 106461X | Guide, Belt | 67 | 72140610 | Bolt, Carr. 3/8 - 16 x 1 - 1/4 |
| STD523720 | *Bolt 3/8 - 16 x 2 | 68 | 107339X | Decal - Warning |
| 108832X | Arm, Idler | 69 | 19141614 | Washer 7/16 x 1 x 14 Ga. |
| 106902X | Spacer | 70 | STD551037 | *Washer 13/32 x 13/16 x 16 Ga. |
| 102403X | Pulley, Idler | 71 | 19141610 | Washer 7/16 x 1 x 10 Ga. |
| 106513X | Washer, Wear, 1/16 | 72 | 72110606 | Bolt, Carriage 3/8 - 16 x 3/4 |
| 102669X | Keeper, Belt | 73 | 19132012 | Washer 13/32 x 1 - 1/4 x 12 Ga. |
| 109685X | Mandrel Assembly | 74 | 109819X | Decal - Warning |
| 100668L | Plate, Support, Mandrel | 75 | 76020308 | Pin, Cotter 3/32 x 1/2 |
| 17490612 | Screw, Hex Washer Hd. 3/8 - 16 x 3/4 | 76 | 72110506 | Bolt, Carriage 5/16 - 18 x 3/4 |
| 17490620 | Screw, Hex Washer Hd. 3/8 - 16 x 1 - 1/4 | 77 | STD522507 | *Bolt, Hex 1/4 - 20 x 3/4 |
| 106634X | Blade, 38" | 78 | 109893X | Washer, Special |
| | | 79 | 73680400 | Nut - Crownlock 1/4 - 20 |

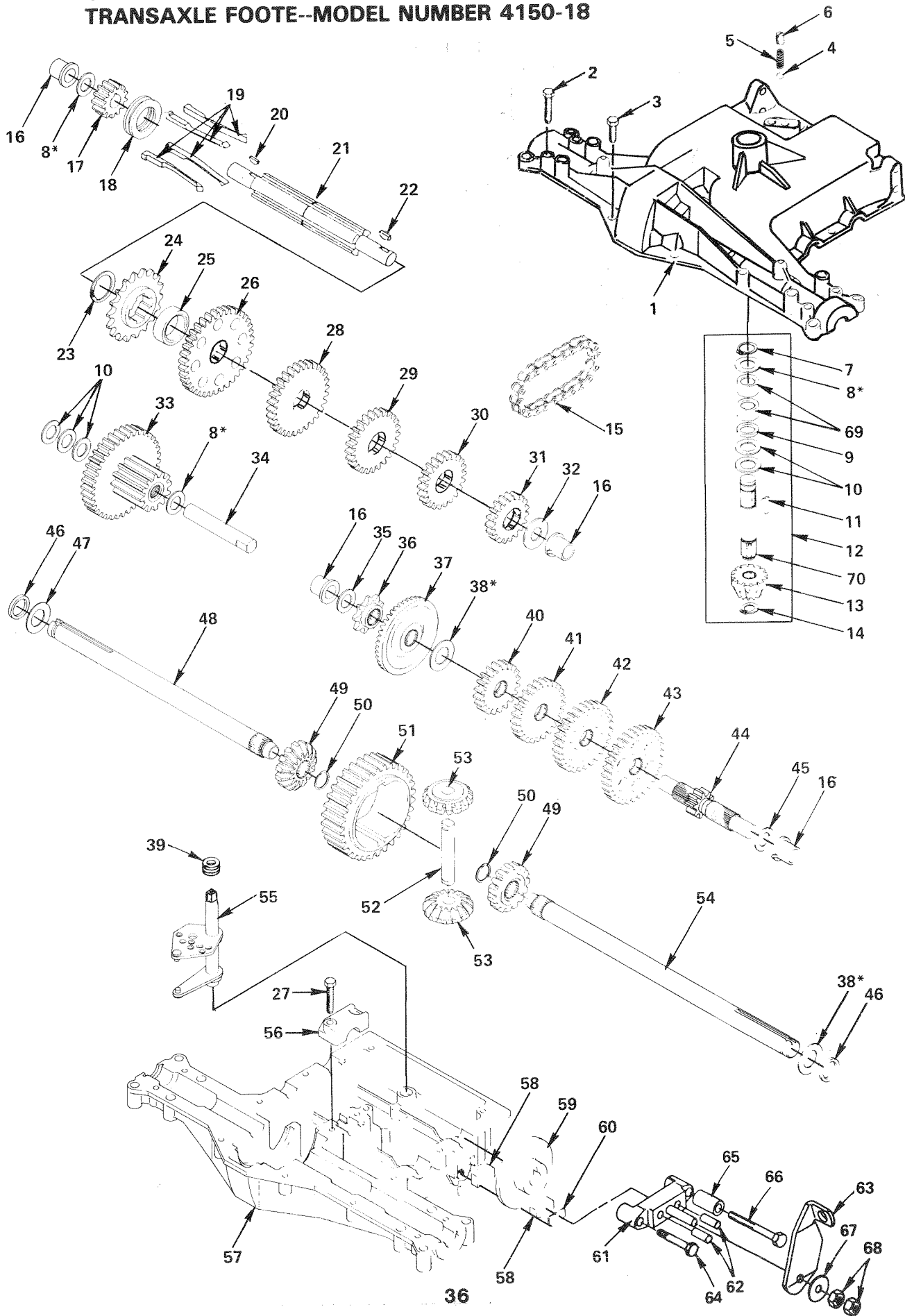
*STANDARD HARDWARE--PURCHASE LOCALLY



* IF REAR BAGGER ATTACHMENT IS BEING USED, REFER TO REAR BAGGER OWNERS MANUAL FOR BLADE PART NO.

REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120
TRANSAXLE FOOT--MODEL NUMBER 4150-18



PAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120 TRANSAXLE FOOTE--MODEL NUMBER 4150-18

| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|----------------------------------------------------------------------------------------------------|---------|----------------|--------------------------------------|
| | 106845X | Housing, Upper | 37 | 106605X | Gear, Bevel, 42T |
| | 2276J | Screw, Tapping, 1/4 - 20 x 1.31 Lg. | 38 | 108983X | Washer, Plain, .758 x 1.12 x .010 |
| | 2274J | Screw, Tapping, 1/4 - 20 x .875 Lg. | 38 | 105930X | Washer, Plain, .758 x 1.12 x .015 |
| | 68003 | Ball, Detent | 38 | 105931X | Washer, Plain, .758 x 1.12 x .020 |
| | 105904X | Spring, Detent | 38 | 105932X | Washer, Plain, .758 x 1.12 x .025 |
| | 105905X | Screw, Set | 38 | 3417J | Washer, Plain, .758 x 1.25 x .020 |
| | 2267J | Ring, Retaining | 38 | 106097X | Washer, Plain, .758 x 1.25 x .025 |
| | 2233J | Washer, Plain, .632 x 1.00 x .020 | 38 | 2264J | Washer, Plain, .758 x 1.25 x .031 |
| | 2232J | Washer, Plain, .632 x 1.00 x .026 | 38 | 106098X | Washer, Plain, .758 x 1.25 x .035 |
| | 2231J | Washer, Plain, .632 x 1.00 x .031 | 38 | 2265J | Washer, Plain, .758 x 1.25 x .040 |
| | 2230J | Washer, Plain, .632 x 1.00 x .036 | 38 | 106586X | Washer, Plain, .758 x 1.25 x .045 |
| | 2229J | Washer, Plain, .632 x 1.00 x .041 | 38 | 106587X | Washer, Plain, .758 x 1.25 x .050 |
| | 2228J | Washer, Plain, .632 x 1.00 x .046 | 38 | 106588X | Washer, Plain, .758 x 1.25 x .055 |
| | 2227J | Washer, Plain, .632 x 1.00 x .050 | 38 | 2263J | Washer, Plain, .758 x 1.25 x .062 |
| | 2226J | Washer, Plain, .632 x 1.00 x .060 | 39 | 108727X | V-Ring |
| | 105906X | Washer, Plain, .632 x 1.00 x .082 | 40 | 106151X | Gear, Spur, 15T |
| | 6725J | O-Ring | 41 | 105934X | Gear, Spur, 20T |
| | 2228J | Washer, Plain, .632 x 1.00 x .046 | 42 | 106589X | Gear, Spur, 25T |
| | 2257J | Key, Woodruff, No. 9 | 43 | 105937X | Gear, Spur, 31T |
| | 106094X | Assembly, Kit, Input Shaft (Inc's. Key No's. 7, 8, 9, 11, 13, 14, 69 and 2 each Key No's. 10 & 68) | 44 | 106152X | Shaft, Drive |
| | | | 45 | 2226J | Washer, Plain, .640 x 1.00 x .060 |
| | | | 46 | 2272J | Seal, Felt |
| | 106095X | Pinion, Bevel, 14T | 47 | 2264J | Washer, Plain, .758 x 1.25 x .031 |
| | 105909X | Ring, Retaining | 48 | 106590X | Axle, L.H. |
| | 105910X | Chain, 24 Pitches | 49 | 106591X | Gear, Miter, 15T |
| | 105911X | Bearing, Flange | 50 | 105941X | Ring, Retaining |
| | 105912X | Gear, Spur, 14T | 51 | 2268J | Gear, Spur, 32T |
| | 105913X | Collar, Clutch | 52 | 2270J | Shaft, Cross |
| | 105914X | Key, Clutch | 53 | 106592X | Gear, Miter, 15T |
| | 2242J | Key, Woodruff, No. 3 | 54 | 106593X | Axle, R.H. |
| | 106096X | Shaft, Intermediate | 55 | 109002X | Assembly, Shifter |
| | 2244J | Key, Woodruff, No. 61 | 56 | 108987X | Cap, Support |
| | 105916X | Ring, Retaining | 57 | 109975X | Housing, Lower |
| | 105917X | Sprocket, 18T | 58 | 108988X | Puck, Friction |
| | 105918X | Spacer | 59 | 64260 | Disc, Brake |
| | 109000X | Gear, Spur, 40T | 60 | 108989X | Spacer |
| | 106596X | Screw, Tapping, 5/16 - 18 x 1.44 Lg. | 61 | 108990X | Assembly, Jaw, Brake |
| | 109001X | Gear, Spur, 35T | 62 | 108991X | Pin, Dowel |
| | 108979X | Gear, Spur, 30T | 63 | 108992X | Lever, Actuating |
| | 108980X | Gear, Spur, 25T | 64 | 108993X | Screw, Tapping, 5/16 - 18 x 1.50 Lg. |
| | 108455X | Gear, Spur, 19T | 65 | 108994X | Spacer, .323 x .563 x 1.00 Lg. |
| | 105925X | Washer, Plain, .640 x 1.37 x .061 | 66 | 108995X | Screw, Tapping, 5/16 - 18 x 2.50 Lg. |
| | 105926X | Assembly, Gear, Comb., 12T & 35T | 67 | 108996X | Washer, Plain, .321 x 1.00 x .055 |
| | 105927X | Shaft, Idler | 68 | 108997X | Nut, Lock, 5/16 - 24 |
| | 3413J | Washer, Plain, .631 x 1.00 x .010 | 69 | 106782X | Bearing, Needle |
| | 105928X | Sprocket, 9T | 70 | ----- | +Input Shaft |

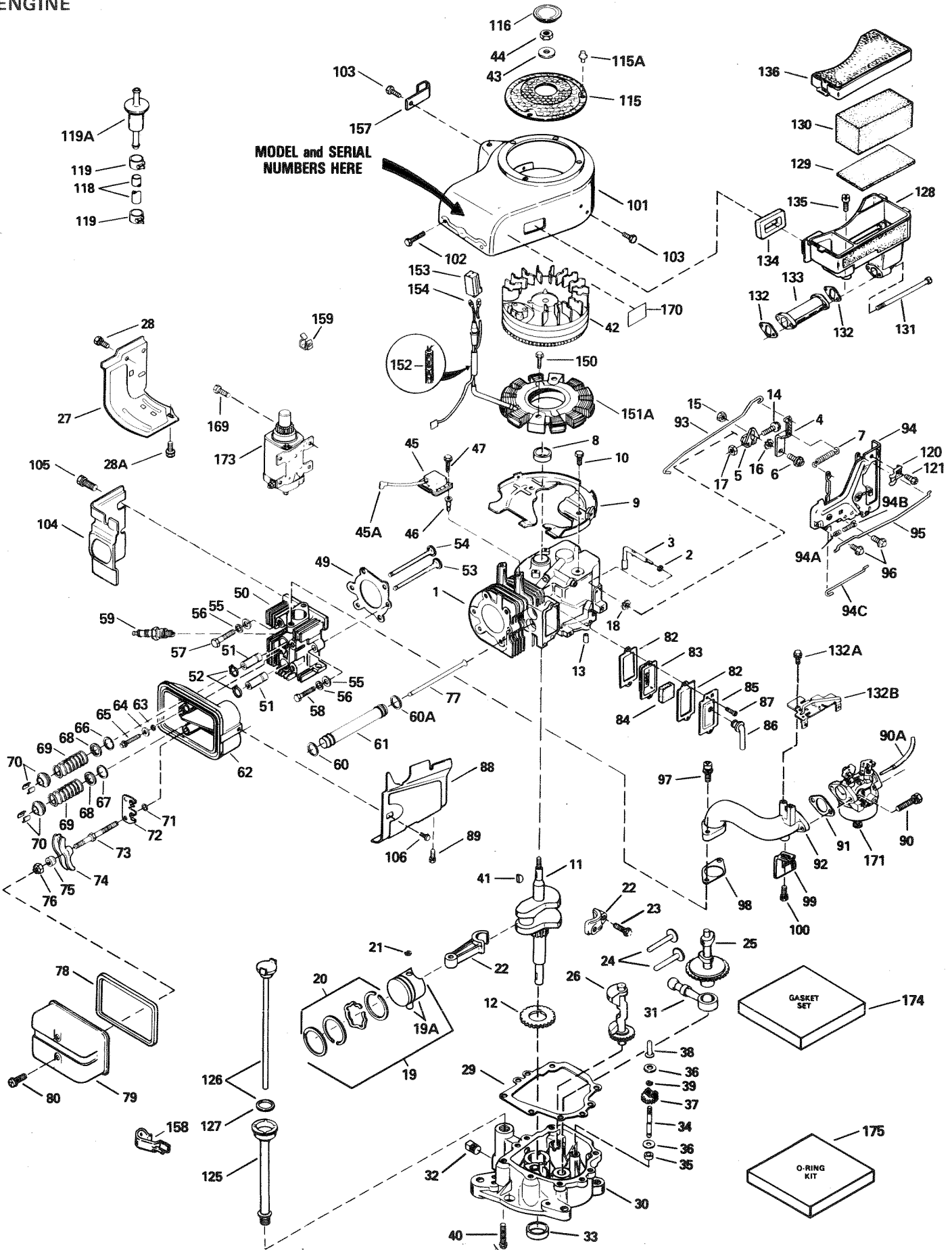
+NOT SOLD SEPARATELY--ORDER KEY NO. 12

*USE IN VARIOUS COMBINATIONS TO MAINTAIN PROPER CLEARANCE

REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120
ENGINE TECUMSEH--MODEL NUMBER 143.376012

ENGINE



REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120
ENGINE TECUMSEH--MODEL NUMBER 143.376012

ENGINE

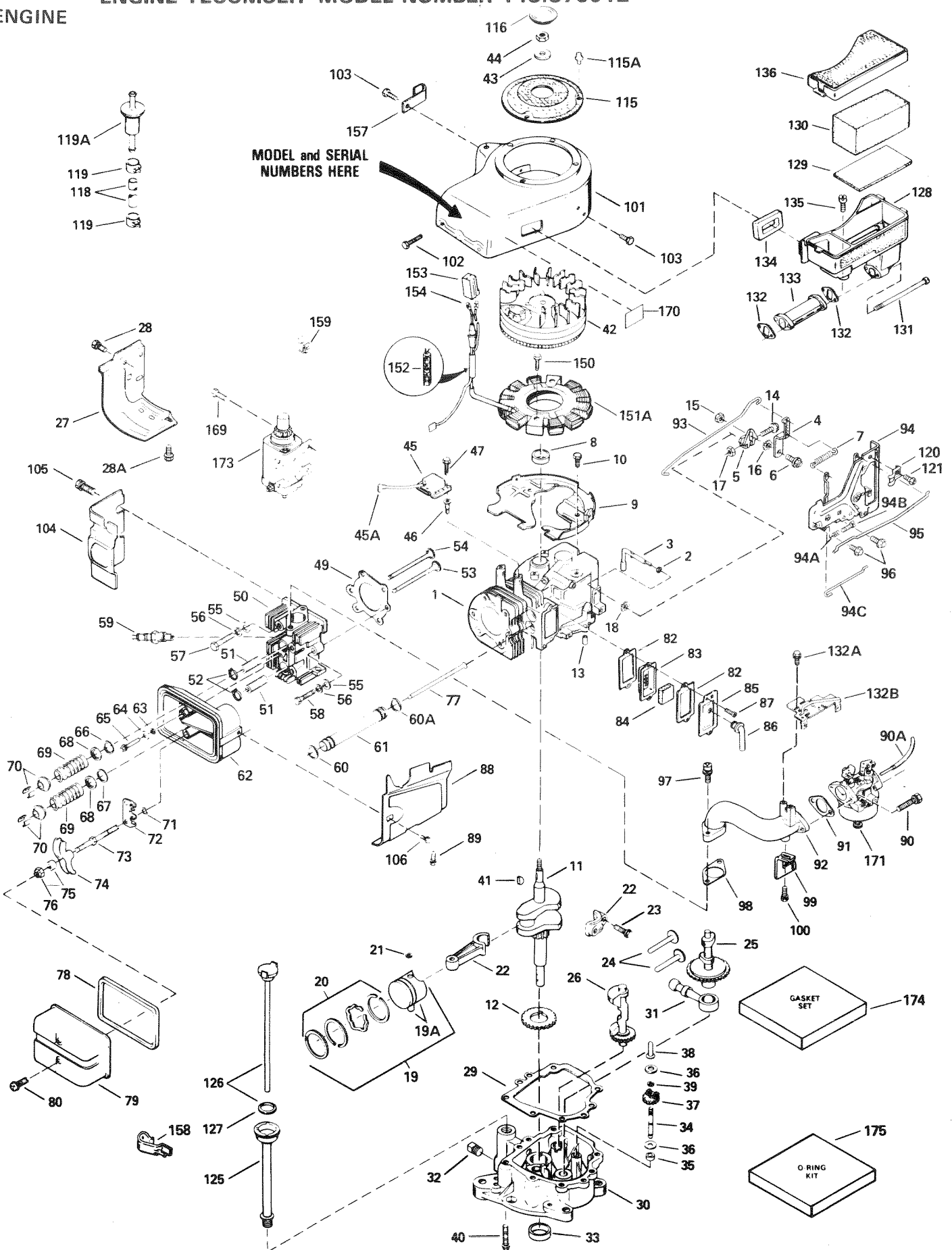
| Ref. No. | Part No. | Part Name | Ref. No. | Part No. | Part Name |
|----------|----------|--------------------------------------------------------------------|----------|----------|-------------------------------------------------------------|
| 1 | 35323A | Cylinder Assy. (Incl. Nos. 8 & 13) | 54 | 35309 | Valve, Intake (Std.) |
| 2 | 28277 | Washer, Flat | 54 | 35432 | Valve, Intake (1/32" oversize) |
| 3 | 35324 | Rod, Governor | 55 | 650691 | Washer, Flat |
| 4 | 35520 | Lever, Governor | 56 | 650690 | Washer, Belleville |
| 5 | 29916 | Clamp, Throttle lever | 57 | 650746 | Screw, Hex hd., 5/16-18 x 3/8 |
| 6 | 650548 | Screw, Hex washer hd., 8-32 x 5/16 | 58 | 650692 | Screw, Hex hd., 5/16-18 x 1-3/4 |
| 7 | 35521 | Spring, Control | 59 | 34046 | Resistor Spark Plug (Champion RL-86C or equivalent) |
| 8 | 35319 | Seal, Oil | | | "O" Ring |
| 9 | 35326 | Baffle, Blower housing | 60 | †*33481 | "O" Ring |
| 10 | 650561 | Screw, Hex washer hd. Durlok, 1/4-20 x 5/8 | 60A | †*33481 | "O" Ring |
| 11 | 35336 | Crankshaft Assy. | 61 | 35475 | Tube, Push rod |
| 12 | 35327 | Gear, Counterbalance | 62 | 35310 | Housing, Rocker arm |
| 13 | 27652 | Pin, Dowel | 63 | †*33484 | "O" Ring |
| 14 | 29826 | Screw, Hex washer hd., 10-32 x 3/4 | 64 | 650168 | Washer, Flat |
| 15 | 30322 | Nut & Lockwasher, 8-32 | 65 | 32610A | Screw, Flanged hex hd., 1/4-20 x 29/32 |
| 16 | 29918 | Washer, E.T. Lock | 66 | †*33509 | "O" Ring (Intake) |
| 17 | 29216 | Nut, Lock, 10-32 | 67 | †*34410 | "O" Ring (Exhaust) |
| 18 | 29642 | Ring, Retaining | 68 | 33510 | Cap, Valve spring |
| 19 | 35339 | Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 19A, 20 & 21) | 69 | 33507 | Spring, Valve |
| 19 | 35340 | Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 19A, 20 & 21) | 70 | 33508 | Cap, Valve spring keeper |
| 19 | 35341 | Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 19A, 20 & 21) | 71 | †*35295 | "O" Ring |
| 19A | 35329 | Piston & Pin Assy. (Std.) (Incl. No. 21) | 72 | 35296 | Guide, Push rod |
| 19A | 35430 | Piston & Pin Assy. (.010 oversize) (Incl. No. 21) | 73 | 650878 | Stud, Rocker arm |
| 19A | 35431 | Piston & Pin Assy. (.020 oversize) (Incl. No. 21) | 74 | 35297 | Arm, Rocker |
| 20 | 34866 | Ring Set, Piston (Std.) | 75 | 35298 | Bearing, Rocker arm |
| 20 | 34867 | Ring Set, Piston (.010 oversize) | 76 | †*28264 | Nut, Lock |
| 20 | 34868 | Ring Set, Piston (.020 oversize) | 77 | 33471 | Rod, Push |
| 21 | 31919 | Ring, Piston pin retaining | 78 | †*35299 | "O" Ring |
| 22 | 35330 | Rod Assy., Connecting (Incl. No. 23) | 79 | 35300 | Cover, Rocker arm housing |
| 23 | 650882 | Screw, Connecting rod | 80 | †*650879 | Screw, Pan hd. w/sealing |
| 24 | 35313 | Lifter, Valve | 82 | *27896 | Lockwasher, 9-32 x 1/2 |
| 25 | 35314A | Camshaft Assy. (Mech. Compression Release) (Incl. No. 24) | 83 | 28423 | Gasket, Valve cover |
| 26 | 35315 | Weight Assy., Counterbalance | 84 | 28424 | Body, Breather |
| 27 | 35316 | Extension, Blower housing | 85 | 28425 | Element, Breather |
| 28 | 650128 | Screw, Fil. hd. Sems, 10-24 x 1/2 | 86 | 35350 | Cover, Valve spring box |
| 28A | 30688 | Screw, Hex hd. Sems, 1/4-20 x 1/2 | 87 | 650128 | Tube, Breather |
| 29 | *35317 | Gasket, Mounting flange | 88 | 35301 | Screw, Fil. hd. Sems, 10-24 x 1/2 |
| 30 | 35318 | Flange, Mounting (Incl. Nos. 32, 33 & 34) | 89 | 650128 | Extension, Blower housing |
| 31 | 31356 | Pump Assy., Oil | 90 | 650517 | Screw, Fil. flex hd., 1/4-20 x 7/8 |
| 32 | 31927 | Plug, Oil drain | 90A | 35043 | Tube, Carburetor |
| 33 | 35319 | Seal, Oil | 91 | *33263 | Gasket, Carburetor to intake pipe |
| 34 | 35320 | Shaft, Governor | 92 | 35304 | Pipe, Intake |
| 35 | 31707A | Spacer, Governor gear | 93 | 35522 | Link, Governor |
| 36 | 35479 | Washer, Flat | 94 | 35524 | Bracket Assy., Control (incl. Nos. 94A & 94B) |
| 37 | 35321 | Gear Assy., Governor | 94A | 33802 | Spring, Compression |
| 38 | 35322 | Spool, Governor | 94B | 650777 | Screw, Fil. hd., 5-40 x 7/16 |
| 39 | 29193 | Ring, Retaining | 94C | 35525 | Link, Control bracket |
| 40 | 650833 | Screw, Hex washer hd. Powerlok, 1/4-20 x 1-3/16 | 95 | 35523 | Link, Governor spring |
| 41 | 32589 | Key, Flywheel | 96 | 30200 | Screw, Hex washer hd. self-tap Sems, 10-24 x 9/16 |
| 42 | 611093 | Flywheel | 97 | 792028 | Screw, Hex hd. Sems, 5/16-18 x 7/8 |
| 43 | 650880 | Washer, Lock | 98 | *33515 | Gasket, Intake pipe |
| 44 | 650881 | Nut, Flywheel | 99 | 35288 | Brace, Intake pipe |
| 45 | 35135 | Solid State Assy. | 100 | 650738 | Screw, Hex washer spinlock hd. thread forming, 1/4-20 x 5/8 |
| 45A | 610118 | Cover, Spark plug | 101 | 35338A | Housing, Blower |
| 46 | 650872 | Stud, Solid state assy. | 102 | 30688 | Screw, Hex hd. Sems, 1/4-20 x 1/2 |
| 47 | 650814 | Screw, Hex hd. Sems, 10-24 x 1 | 103 | 29747B | Screw, Phil. Hex hd. Sems, 5/16-24 x 21/32 |
| 49 | *35306 | Gasket, Cylinder head | 104 | 35290 | Cover, Cylinder head |
| 50 | 35307 | Head Assy., Cylinder | 105 | 650273 | Screw, Fil. hd. Sems, 5/16-18 x 1/2 |
| 51 | 730218 | Valve Guide Kit (Incl. 2 of No. 52) | 106 | 30688 | Screw, Hex hd. Sems, 1/4-20 x 1/2 |
| 52 | 792035 | Ring, Retaining | 115 | 35411 | Screen, Starter |
| 53 | 35308 | Valve, Exhaust (Std.) | 115A | | Pop Rivet (Can be purchased locally) |
| 53 | 35433 | Valve, Exhaust (1/32" oversize) | | | |

*Indicates Parts Included in Gasket Set, Ref. No. 174.

REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120
ENGINE TECUMSEH--MODEL NUMBER 143.376012

ENGINE



REPAIR PARTS

12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120 ENGINE TECUMSEH--MODEL NUMBER 143.376012

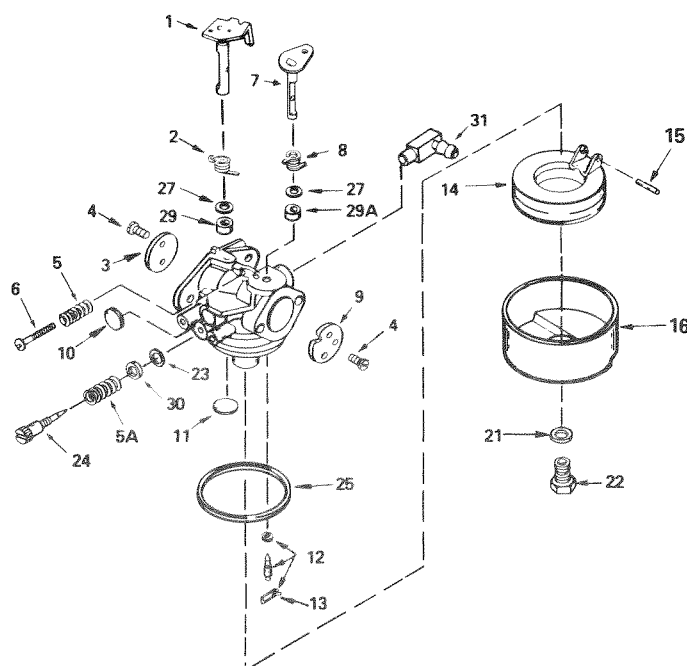
ENGINE

| Ref. No. | Part No. | Part Name | Ref. No. | Part No. | Part Name |
|----------|----------|-----------------------------------------------------|----------|----------|--------------------------------------------------------|
| 116 | 34113 | Plug, Blower housing | 151A | 611096 | Coil Assy., Alternator (3 Amp D.C.) |
| 118 | 29774 | Line, Fuel | | | (Incl. Nos. 152, 153 & 154) |
| 119 | 26460 | Clamp, Fuel line | 152 | 610935 | Diode |
| 119A | 34279A | Filter, Fuel (Incl. No. 119) | 153 | 610921 | Connector Body |
| 120 | 27793 | Clip, Conduit | 154 | 610922 | Terminal, Female |
| 121 | 28942 | Screw, Hex washer hd. Sems, 10-32 x 3/8 | 157 | 33997 | Clip, Oil fill tube |
| | | | 158 | 35437 | Clip, Oil fill tube |
| 125 | 33992A | Tube, Oil fill | 159 | 27275 | Clip, Wire |
| 126 | 35517 | Dipstick, Oil (Incl. No. 127) | 169 | 30688 | Screw, Hex hd. Sems, 1/4-20 x 1/2 |
| 127 | 33590 | "O" Ring | 170 | 34346 | Decal, Instruction |
| 128 | 34909 | Body, Air cleaner | 171 | 632469 | Carburetor (Incl. No. 91) |
| 129 | 35108 | Filter, Air cleaner (Flocked) | 173 | 33605 | Starter Motor (12 Volt) |
| 130 | 34910 | Element, Air cleaner | 174 | 35331 | Gasket Set (Incl. items marked *) |
| 131 | 650875 | Screw, Fil. hd. Sems, 10-32 x 5-1/4 | 175 | 35332 | "O" Ring Kit (Incl. items marked †) |
| 132 | *33629 | Gasket, Air cleaner elbow | | | |
| 132A | 35516 | Bracket | | | RPM Settings: |
| 132B | 30200 | Screw, Hex washer hd., self-tap Sems, 10-24 x 9/16 | | | Low Speed 1700, High Speed 3400 |
| 133 | 35286 | Adapter, Air cleaner | | | *Indicates Parts Included in Gasket Set, Ref. No. 174. |
| 134 | *34912 | Gasket, Air cleaner | | | |
| 135 | 650784 | Screw, Hex hd. taptite, w/flatwasher, 10-24 x 11/16 | | | †Indicates Parts Included in Gasket Set, Ref. No. 175. |
| 136 | 34911 | Cover, Air cleaner | | | |
| 150 | 650873 | Screw, Hex hd. Sems, 1/4-20 x 3/4 | | | |

REPAIR PARTS

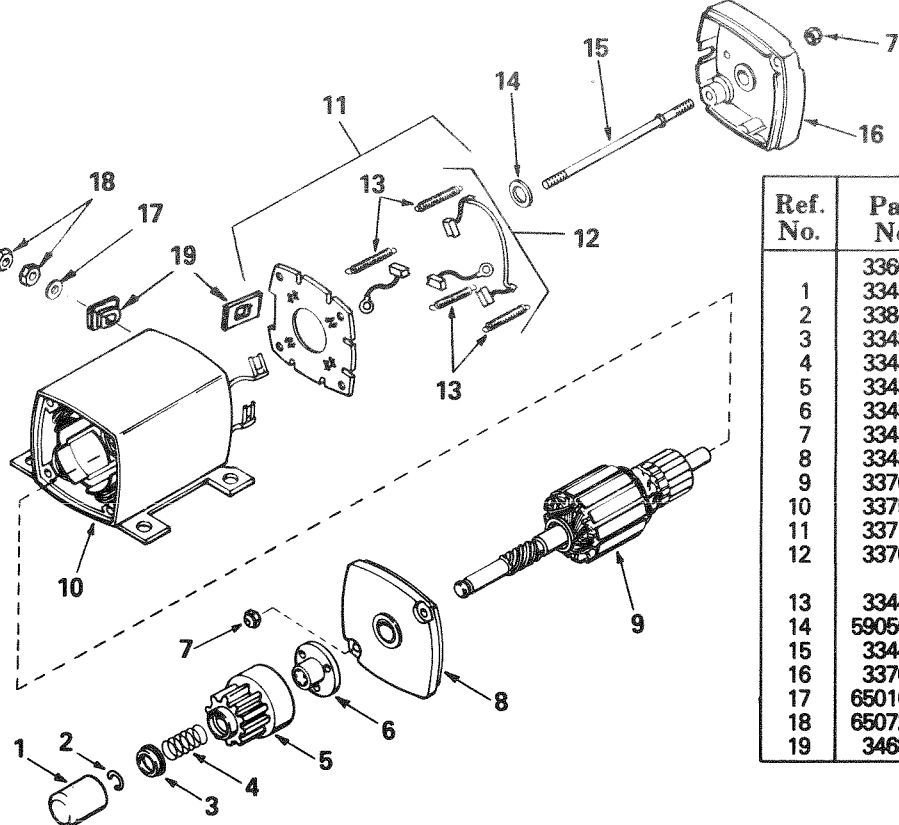
12 H.P. 38" RIDING YARD TRACTOR--MODEL NUMBER C944.605120
ENGINE TECUMSEH--MODEL NUMBER 143.376012

CARBURETOR NO. 632469



| Ref. No. | Part No. | Part Name |
|----------|----------|------------------------------------------------|
| | 632469 | Carburetor |
| 1 | 632471 | Shaft & Lever Assy., Throttle |
| 2 | 632244 | Spring, Throttle return |
| 3 | 632245 | Shutter, Throttle |
| 4 | 650506 | Screw, Rd. hd., 4-40 x 3/16 |
| 5 | 630766 | Spring, Idle regulating screw |
| 5A | 630766 | Spring, Main adjustment screw |
| 6 | 650417 | Screw, Idle regulating |
| 7 | 632472 | Shaft & Lever Assy., Choke |
| 8 | 632473 | Spring, Return |
| 9 | 632429 | Shutter, Choke |
| 10 | 630748 | Plug, Welch |
| 11 | 631027 | Plug, Welch |
| 12 | 631021 | Inlet Needle, Seat & Clip Assy. (Incl. No. 13) |
| 13 | 631022 | Clip, Inlet needle |
| 14 | 632019 | Float, Carburetor |
| 15 | 631024 | Shaft, Float |
| 16 | 631867 | Bowl, Float |
| 21 | 27110 | Gasket, Bowl-to-body |
| 22 | 632470 | Nut, Float bowl |
| 23 | 630740 | "O" Ring, Adjustment screw |
| 24 | 632281 | Screw, Idle adjustment |
| 25 | 631028 | Gasket, Bowl-to-body |
| 27 | 631184 | Washer |
| 29 | 631971 | Seal, Dust |
| 29A | 631183 | Seal, Dust |
| 30 | 630739 | Washer, Flat |
| 31 | 631775 | Fitting, Fuel |

STARTER MOTOR NO. 33605



| Ref. No. | Part No. | Part Name |
|----------|----------|---------------------------------------------|
| | 33605 | Starting Motor, Complete |
| 1 | 33451 | Cover, Dust |
| 2 | 33842 | Ring, Retainer |
| 3 | 33430 | Retainer, Spring |
| 4 | 33431 | Spring, Anti-drift |
| 5 | 33432 | Gear |
| 6 | 33433 | Nut, Engaging |
| 7 | 33450 | Nut, Lock |
| 8 | 33434 | Cap Assy., Drive end |
| 9 | 33703 | Armature |
| 10 | 33759 | Housing Assy. |
| 11 | 33712 | Card Assy., Brush (Incl. No. 12) |
| 12 | 33705 | Brush & Spring Kit (Incl. 4 pcs. of No. 13) |
| 13 | 33440 | Spring, Brush |
| 14 | 590500 | Washer, Thrust |
| 15 | 33449 | Bolt, 10-32 x 4-1/4 |
| 16 | 33706 | Cap Assy., Commutator end |
| 17 | 650168 | Washer, Flat |
| 18 | 650723 | Nut, Hex |
| 19 | 34685 | Terminal Insulators |

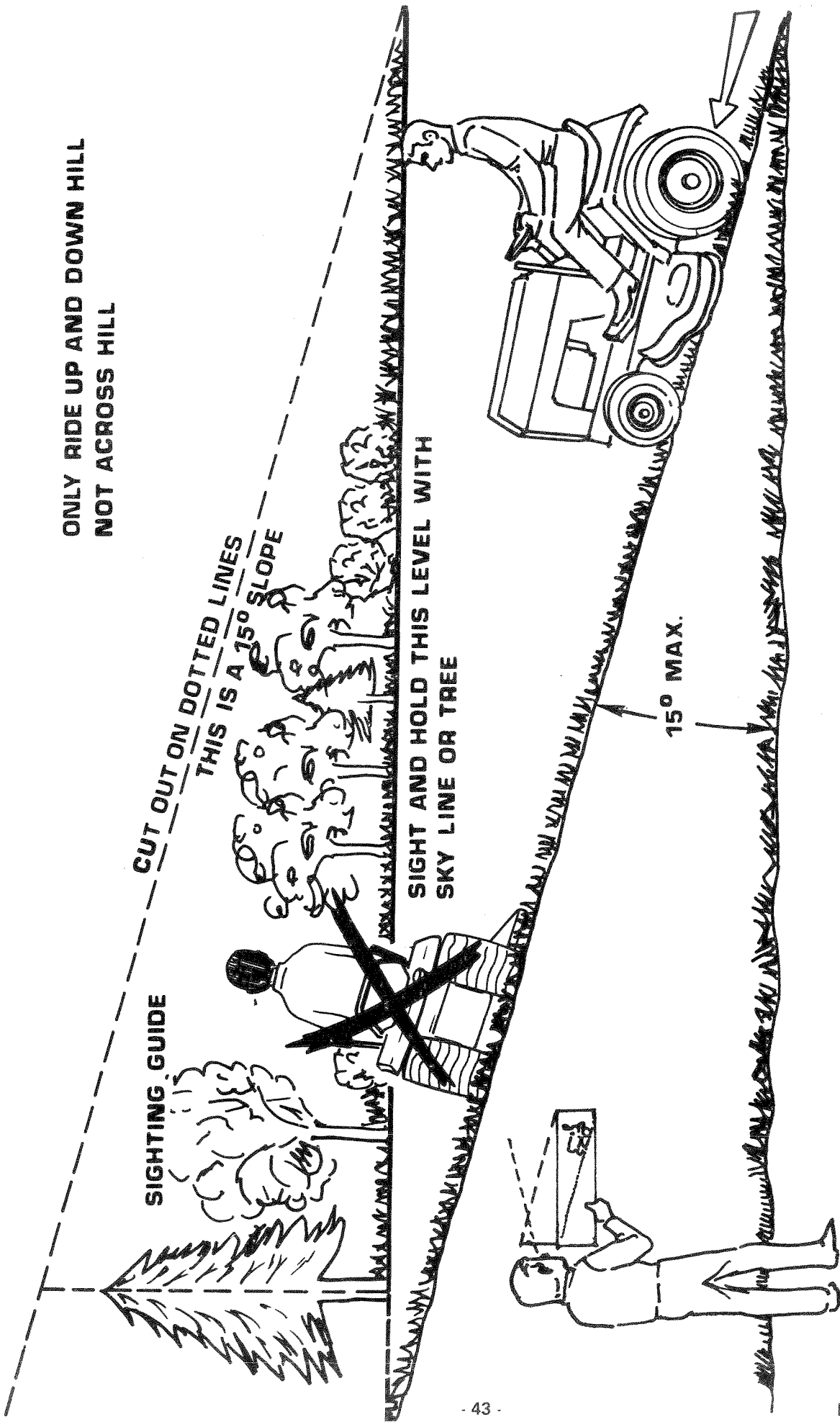
**ONLY RIDE UP AND DOWN HILL
NOT ACROSS HILL**

SIGHTING GUIDE

**CUT OUT ON DOTTED LINES
THIS IS A 15° SLOPE**

**SIGHT AND HOLD THIS LEVEL WITH
SKY LINE OR TREE**

15° MAX.



Operate your Tractor up and down the face of slopes (not greater than 15°); never across the face. Make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.



SEARS

**OWNERS
MANUAL**

**MODEL NO.
C944.605120**

**HOW TO ORDER
REPAIR PARTS**

12 H.P. 38" RIDING YARD TRACTOR ELECTRIC START

The Model Number will be found on the Model Plate attached to the Fender. Always provide the Model Number when requesting service or parts for your Yard Tractor.

All parts listed herein may be ordered from any Sears Service Center/Departments and most Sears Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

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

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians having the parts, tools and the equipment to insure that we meet our pledge to you, "We Service What We Sell".