

Sears, Roebuck and Co., Chicago, IL 60684 U.S.A.

CONGRATULATIONS on your purchase of a Sears Yard 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".

MODEL
SERIAL
THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO
THE FENDER.

YOU SHOULD RECORD BOTH MODEL AND SERIAL NUMBERS AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

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RULES FOR SAFE OPERATION

- 1. Know the controls and how to stop quickly, READ THIS OPERATOR'S MANUAL and instructions furnished with attachments
- 2. Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.
- 3. Do not carry passengers. Do not mow when children and others are around.
- 4. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
- 5. Keep your eyes and mind on your tractor, mower and the area being cut. Don't let other interests distract you.
- 6. Do not attempt to operate your tractor or mower when not in the drivers seat.
- 7. Always get on or off your tractor from the operators left hand side.
- 8. Clear the work area of objects (wire, rocks, etc.) which might be picked up and thrown.
- 9. Disengage all attachment clutches before attempting to start the engine.
- 10. Disengage power to attachments and stop the engine before leaving the operator's position.
- 11. Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or repairs.
- 12. Disengage power to attachments when transporting or not in use.
- 13. 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.
- 14. 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 47.
- 15. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
- 16. While going up or down slopes, place Gear Shift Control Lever in 1st gear position to negotiate the slope without stopping.
- 17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
- Stav alert for holes in the terrain and other hidden hazards. 18 Keep away from drop-offs.
- 19. Do not drive too close to creeks, ditches and public highways.
- 20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign obiect.
- 21. Never shift gears until tractor comes to a stop.
- 22. 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. Use only approved drawbar hitch points. a.
 - b. Limit loads to those you can safely control
 - 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 con-
- dition, 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.

WARNING

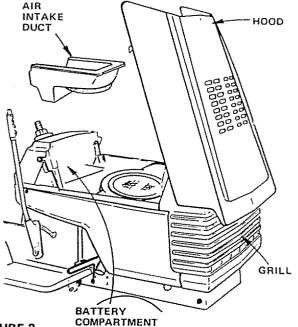
This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, 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 Authorized Service Center for spark arrester screen part number 100091M.

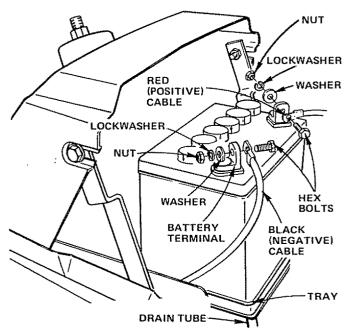




FIGURE 1







ASSEMBLY

To assemble and adjust your Tractor you will need: two 7/16" wrenches, one 3/4" wrench, one 9/16" wrench, one 1/2" wrench, one 3/4" socket, one ratchet 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.

1. Cut down four corners and fold down carton, Remove Battery and Steering Wheel. Remove Tractor from skid.

WEAR EYE AND FACE SHIELD.

WITH ELECTROLYTE.



WASH HANDS OR CLOTHING IMMEDI-ATELY IF ACCIDENTALLY IN CONTACT

DO NOT SMOKE, FUMES FROM CHARG-ED ELECTROLYTE ARE EXPLOSIVE.

- Fill and charge Battery (before installing). NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BAT-TERY
 - a. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 1). NOTE: DO NOT OVERFILL.OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.
 - b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary, NOTE: TIGHTEN VENT CAPS SECURELY
 - c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.
 - 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

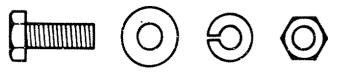
DO NOT SHORT BATTERY TERMINALS.



- 4 -

BEFORE INSTALLING BATTERY, RE-MOVE METAL BRACELETS, WRIST-WATCH BANDS, RINGS, ETC. FROM YOUR PERSON.

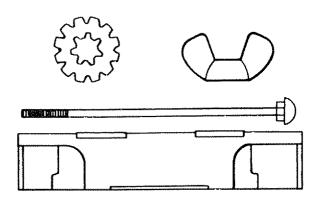
- 3. Install Battery.
 - a. Lift hood from rear sides (Fig. 2).
 - b. Lift out Air Intake Duct.
 - c. Make sure Drain Tube (Fig. 3) is fastened to Drain Hole in Battery Tray and Battery Tray is positioned in hole of Battery Support.
 - d. Place Battery in Plastic Tray (Battery Terminals to front of Tractor) (Fig. 3).
- Connect Battery Cables using: two Hex Bolts, two Flat Washers, two Lockwashers and two Hex Nuts (shown full size below) found in Bag of Parts.



POSITIVE TERMINAL MUST BE CON-NECTED FIRST TO PREVENT SPARKS FROM ACCIDENTAL GROUNDING.

- a. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 3). Tighten securely.
- b. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 3). Tighten securely.

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

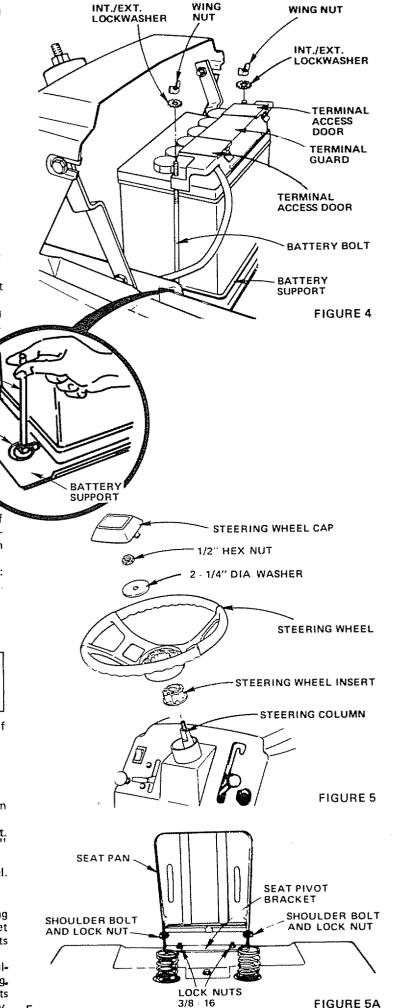


two Battery Bolts and one Terminal Guard found in Bag of Parts.

a. Using the slotted hole on one side of the Battery Support (Fig. 4) insert one Battery Bolt, head of Bolt down. Fasten the Battery Bolt to the Terminal Guard using Int./Ext. Lockwasher and Wing Nut as shown in Fig. 4.

BATTERY

SLOTTED HOLE

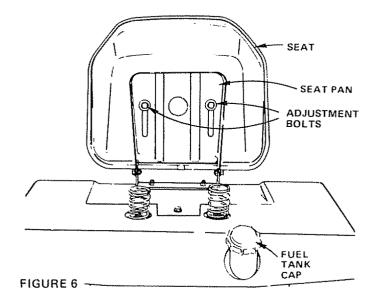


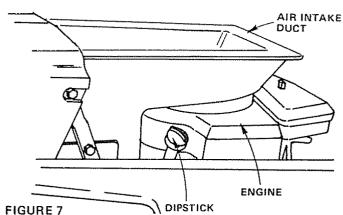
- b. Assemble the remaining Battery Bolt to other side of Battery Support and fasten Terminal Guard to it with remaining Int./Ext. Lockwasher and Wing Nut. Tighten Wing Nuts securely by hand (Fig. 4).
- NOTE: USE TERMINAL ACCESS DOORS (FIG. 4) FOR:
 - 1. Inspection for secure connections (tighten hardware).
 - 2. Inspection for corrosion.
 - 3. Testing battery.
 - 4. Jumping (if required).
 - 5. Charging (if required).

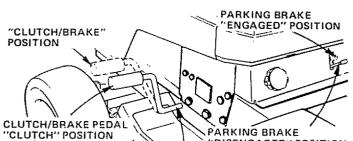


WHEN NOT IN USE, KEEP TERMINAL ACCESS DOORS CLOSED.

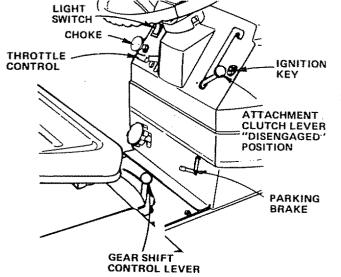
- 6. Replace Air Intake Duct (Fig. 2). Make sure bottom lip of Duct sits between battery and lip of Battery Tray.
- 7. Remove plastic on Tractor Hood.
- 8. Close Hood.
- 9. Install Steering Wheel.
- NOTE: POSITION FRONT WHEELS FORWARD.
- a. Remove 1/2" Hex Nut and 2 1/4" Dia Washer from Steering Column (Fig. 5).
- b. Position Steering Wheel over Steering Wheel Insert.
 c. Secure Steering Wheel to Steering Column using 2 1/4"
- Dia. Washer and Hex Nut (Fig. 5).
- d. Snap Steering Wheel Cap in place on Steering Wheel. Steering Wheel Cap found in Bag of Parts.
- 710. Install Seat.
 - a. Mount Seat Pivot Bracket to Fender Strap Studs using two Lock Nuts 3/8 - 16 (Fig. 5A). Seat Pivot Bracket and Lock Nuts found in Bag of Parts. Tighten Nuts securely.
 - b. Mount Seat Pan to Seat Pivot Bracket using two Shoulder Bolts 5/16 18 and two Lock Nuts 5/16 18 (Fig. 5A) (head of Bolts to outside), Bolts and Lock Nuts found in Bag of Parts. Tighten Bolts and Nuts securely. -5 -









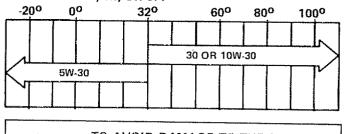


- c. Place Seat on Seat Pan. Screw 3/8" Adjustment Bolts, Lockwashers and Flat Washers into Seat (Fig. 6). Adjustment Bolts, Lockwashers and Flat Washers found in Bag of Parts. Tighten finger tight.
- d. Place Seat in operating position. Sit on the Seat and press Clutch-Brake Pedal all the way down. If operating position is not comfortable, adjust Seat.
- e. Raise Seat. Use 9/16" wrench to loosen Adjustment Bolts (Fig. 6). When adjusted for comfortable operation, tighten Adjustment Bolts securely.

INITIAL SERVICE

 This engine has been shipped filled with oil. Check Engine Oil Level with Tractor on level ground. Wipe Dipstick (Fig. 7) 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 CLAS-SIFICATION SD, SE, OR SF.





TO AVOID DAMAGE TO THE STARTING SYSTEM, USE SAE 5W 30 OIL WHEN THE TEMPERATURE FALLS BELOW 32°

Capacity is 1 - 1/2 quarts. NOTE: DO NOT OVERFILL. Dipstick assembly must be securely tightened into tube at all times when engine is operating.

 Fill Fuel Tank (Fig. 6). Use fresh, clean, regular unleaded automotive gasoline. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Capacity is 3 - 1/2 gallons.

WARNING: DO NOT USE GASOHOL, METHANOL OR PREMIUM UNLEADED. 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 FILL-ER NECK. DO NOT OVERFILL. WIPE OFF ANY SPILLED OIL OR FUEL. DO NOT STORE, SPILL OR USE GASOLINE NEAR AN OPEN FLAME.

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

STARTING THE ENGINE



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

NOTE: THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE ATTACHMENT CLUTCH OR THE TRACTOR CLUTCH IS ENGAGED.



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

- 1. Place Attachment Clutch Lever in "DISENGAGED" position (Fig. 9).
- 2. Push Clutch-Brake Pedal fully into brake position (Fig. 8).
- 3. Place Gear Shift Control Lever in "N" neutral, start position (Fig. 9).
- 4. Pull Choke out (Fig. 9).
- 5. Move Throttle Control to middle position (Fig. 9).
- 6. Turn Ignition Key to "START" position until Engine starts (Fig. 9). NOTE: DO NOT RUN STARTER CONTINU-OUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE. If engine does not start after several attempts, move Throttle Control to "F" (fast) position, wait a few minutes and try again.

The first time you start the engine, it will take extra cranking time to move fuel from tank to the engine.

NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE ENGAGING CLUTCH OF TRACTOR OR ATTACHMENT.

7. When restarting a warm engine, move Throttle Control mid-way between "S" (slow) and "F" (fast) position. Choke may not have to be used.

OPERATION



BEFORE DRIVING THE TRACTOR, IN-STALL MOWER OR REMOVE MOWER PARALLEL LINK (FIG. 11).



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 workina.
- 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,
- 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. EXCES-SIVE WEIGHT MAY OVERLOAD AND DAMAGE THE TRANSMISSION.

TRACTOR OPERATION

- 1. With engine running and warm, place Throttle Control mid-way between "S" (slow) and "F" (fast) position.
- 2. Push Clutch-Brake Pedal down firmly (Fig. 8). Move Gear Shift Control Lever to desired gear (Fig. 9).
- 3. Release Clutch-Brake Pedal SLOWLY to start movement.

If ground travel is too slow, move Throttle Control to (fast) position or press Clutch-Brake Pedal and shift to a different gear

NOTE: BRING TRACTOR TO COMPLETE STOP BE-FORE SHIFTING GEARS ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TER-RAIN AND THE ATTACHMENT BEING USED



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

DO NOT OPERATE THE MOWER WITH-OUT THE DISCHARGE GUARD IN PLACE.

NOTE: A SPARK ARRESTER MUFFLER (PAGE 28) IS AVAILABLE AS AN ACCESSORY PART FOR YOUR TRACTOR. CHECK LEGAL REQUIREMENTS IN YOUR AREA.



NEVER RUN THE ENGINE WITHOUT AIR INTAKE DUCT INSTALLED (FIG. 7). MAKE SURE BOTTOM LIP OF AIR IN-TAKE DUCT SITS BETWEEN BATTERY AND LIP OF BATTERY TRAY.

STOPPING YOUR TRACTOR

- 1. Push Clutch-Brake Pedal into full "BRAKE" position.
- 2. Place Parking Brake Lever in "ENGAGED" position and release pressure from Clutch-Brake, Pedal should remain in brake position. NOTE: MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.
- 3 Move Shift Control Lever to "NEUTRAL" position.
- 4. Place Attachment Clutch Lever in "DISENGAGED" position,
- 5, Move Throttle Control to "S" (slow) position,
- 6. Turn Ignition Key to "OFF" position.

USE.



REMOVE KEY WHEN LEAVING TRAC-TOR TO PREVENT UNAUTHORIZED

TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Control Lever to "N" neutral position (Fig. 9). NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN SIX MILES PER HOUR.

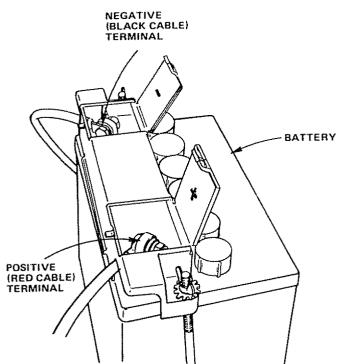
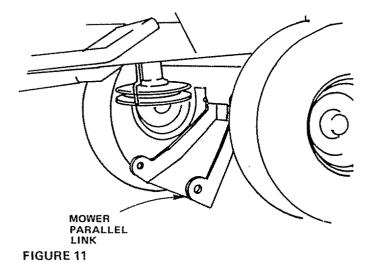
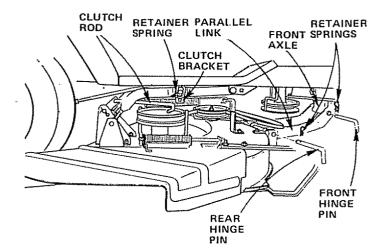


FIGURE 10





TRACTOR OPERATION ON HILLS

1. Choose the lowest gear BEFORE starting up or down hills.



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15°, AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 47.

- 2. AVOID STOPPING OR SHIFTING ON HILLS.
 - a If slowing is necessary, move Throttle Control Lever to middle position.



LEAVE ENOUGH ROOM WHEN STOP-PING 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. After starting your tractor, make sure tractor is in 1st gear and that you have allowed room to roll slightly downhill. Disengage Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor forward movement
- 3. Make all turns gradually

STARTING YOUR TRACTOR WITH A LOW BATTERY

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



LEAD ACID BATTERIES GENERATE EX-PLOSIVE 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) (Fig. 10).
- 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 ENGINE BLOCK or good CHASSIS GROUND on tractor (away from Gas Tank or Battery).
- Disconnect cables in reverse order: a. Engine Block or chassis of tractor.
 - b. Negative terminal of fully charged battery
 - c. Positive terminals.

MOWER AND DRIVE BELT INSTALLATION

Your 38" Mower installs without the use of tools. Raise Lift Lever (Fig. 15) to its highest position. Turn Depth Adjustment Knob to lowest position (Fig. 14).

- 1. Install Front Hinge Pin through Axle and Parallel Link (Fig. 12). Secure with Retainer Spring.
- 2. Install Rear Hinge Pin through Mower Lift Brackets and Parallel Link (Fig. 12). Secure with Retainer Spring.
- 3. Install Clutch Rod in Clutch Lever (Fig. 13 Inset).
- Move Lift Lever (Fig. 15) 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.
- 6. Use Lift Lever (Fig. 15) to raise mower.

NOTE: SEE MOWER ADJUSTMENT, BELOW

7. Turn Depth Adjustment Knob clockwise (() to the middle of it's travel.

MOWER ADJUSTMENT



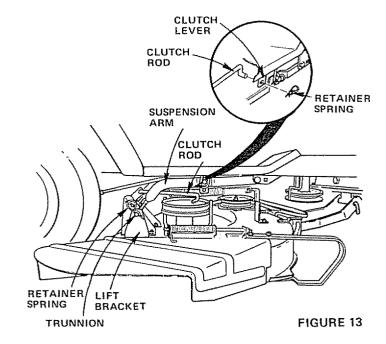
NOTE: BEFORE CHECKING THE SIDE TO SIDE AND FRONT TO REAR ADJUSTMENTS, PAGES 9 AND 10, BE SURE PRESSURE IN FRONT TIRES IS 14 PSI AND PRES-SURE IN REAR TIRES IS 12 PSI. IF TIRES ARE OVER OR UNDER INFLATED YOU WILL NOT PROPERLY ADJUST YOUR MOWER.

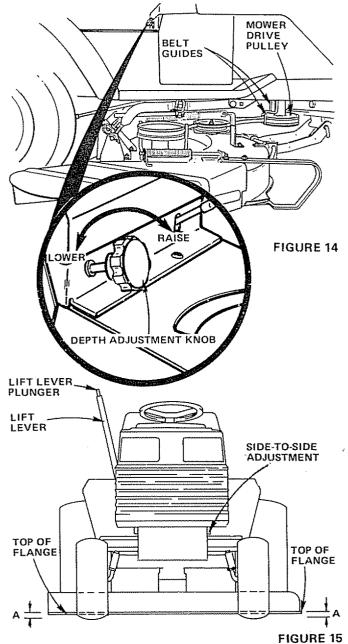
DEPTH ADJUSTMENT

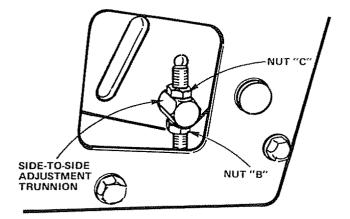
Adjustment for mower height is made with the Depth Adjustment Knob. Raise Mower cutting height by turning Depth Adjustment Knob clockwise (\frown). Lower Mower cutting height by turning Depth Adjustment Knob counterclockwise (\frown).

LEVEL MOWER FROM SIDE TO SIDE

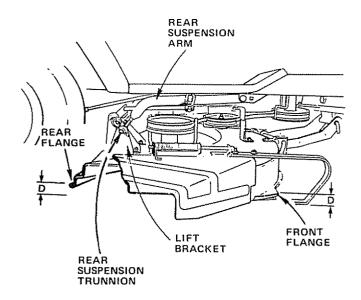
- 1. Park tractor on level surface. Depress Lift Lever Plunger and use Lift Lever to raise mower to maximum cutting height.
- Measure height of Top of Flange to level surface at front of mower. Distance "A" should be the same (Fig. 15).



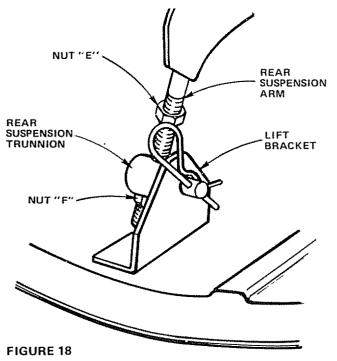












- If distance "A" needs to be changed, snap out Access Hole Cover on L.H. side above Footrest, Use 9/16" wrench on Nuts "B" and "C" at Side-To-Side Adjustment Trunnion (Fig. 16).
- 4. To raise left side of mower, loosen Nut "B" and tighten Nut "C".
- 5. To lower left side of mower, loosen Nut "C" and tighten Nut "B".

NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" HEIGHT CHANGE.

 Be sure all Nuts are securely tightened. NOTE: SEE MOWER ADJUSTMENT, FRONT-TO-REAR, BELOW.

ADJUST MOWER FROM FRONT TO REAR

- To obtain the best cutting results, your Mower Housing should be adjusted so the Front and Rear Flange distance "D" (Fig. 17) is 5/16" 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" ON 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 5/16" 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 5/16" lower at front than rear, retighten Nuts "E".

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

OPERATION - MOWER



READ THE "RULES FOR SAFE OPERA-TION" CAREFULLY BEFORE OPERAT-ING YOUR MOWER

THE MOWER MUST BE ADJUSTED PROPERLY FROM FRONT TO REAR AND LEVELED FROM SIDE TO SIDE BEFORE OPERATING, THIS IS NECESSARY FOR LEVEL AND EFFICIENT MOWING, REFER TO PAGES 9 & 10.

- 1. Place Attachment Clutch Lever in "DISENGAGED" position (Fig. 19).
- 2. Push tractor Clutch-Brake Pedal fully into brake position.
- 3. Place Gear Shift Lever in "NEUTRAL" position.

NOTE: TRACTOR MUST BE IN NEUTRAL AND ATTACH-MENT CLUTCH LEVER IN "DISENGAGED" POSITION BEFORE TRACTOR WILL START.

4. 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 THROT-TLE.

NOTE: "ENGAGE" OR "DISENGAGE" ATTACHMENT CLUTCH LEVER SLOWLY.



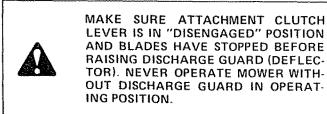
NEVER "ENGAGE" MOWER EXCEPT WHEN SITTING ON TRACTOR SEAT.

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

- 5. Use 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. Moving the Knob clockwise () raises the mower (Fig. 14 Inset). Moving the Knob counterclockwise () lowers the mower.
- 6. Drive 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 more uniform cutting. When mowing large areas (Fig. 20) start by turning to the right so that the clippings will be discharged away from shrubs, fences, driveways. etc After two or three rounds, mow in the opposite direction making left 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 mower should be used for trimming.

FLIP-UP DISCHARGE GUARD

Your mower has a flip-up Discharge Guard (Fig. 19) for door or gate clearance when held in raised position.



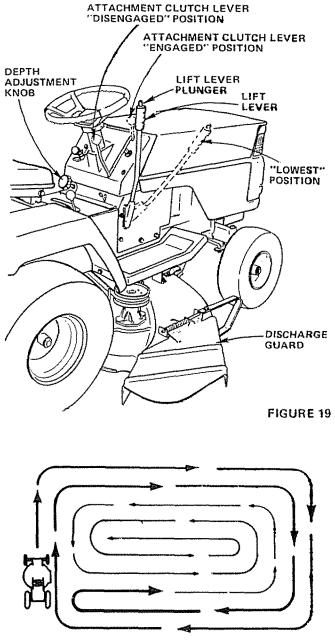


FIGURE 20

J - 11 -

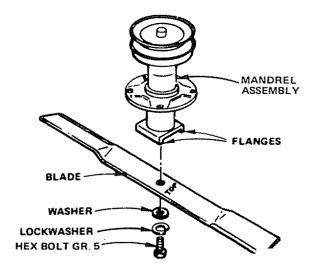


FIGURE 21

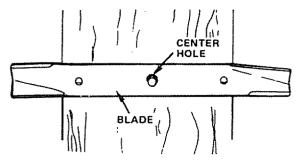
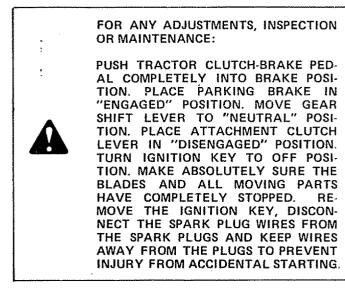


FIGURE 22

MAINTENANCE - MOWER



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. 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.

 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 retainer springs are secure. Keep blades sharp. Observe all safety precautions, Keep mower well lubricated (refer to page 22).

CLEANING MOWER



DISCONNECT SPARK PLUG WIRES TO PREVENT ACCIDENTAL STARTING BE-FORE CLEANING.

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 (
- 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. TOR-QUE 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.

MOWER BELT ADJUSTMENT

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

If the Attachment Clutch Lever (Fig. 23) 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.

- 1. Remove mower deck from tractor.
- 2. Remove Cotter Pins from both sides of the Rock Shaft Assembly (Fig. 24).
- 3. Loosen the 4 Locknuts on the R.H. and L.H. Pivot Brackets (Fig. 24) only until Rock Shaft Assembly can be removed.
- Remove Rock Shaft Assembly from R.H. and L.H. Pivot Brackets, NOTE: DO NOT DISASSEMBLE BRAKE ROD.
- Remove Extension Spring from lower hole (original position) in Rock Shaft Assembly and insert in upper hole in Rock Shaft Assembly (Fig 24 - Inset).
- 6. Replace Rock Shaft Assembly between R.H. and L.H. Pivot Brackets.
- 7. Tighten Locknuts securely making sure Carriage Bolts are seated in square holes of mower housing.
- 8. Replace Cotter Pins on both sides of Rock Shaft Assembly.

NOTE: WHEN INSTALLING A NEW BELT, EXTENSION SPRING MUST BE RETURNED TO LOWER HOLE (ORIGI-NAL POSITION) ON ROCK SHAFT ASSEMBLY.

TO REMOVE MOWER BELT

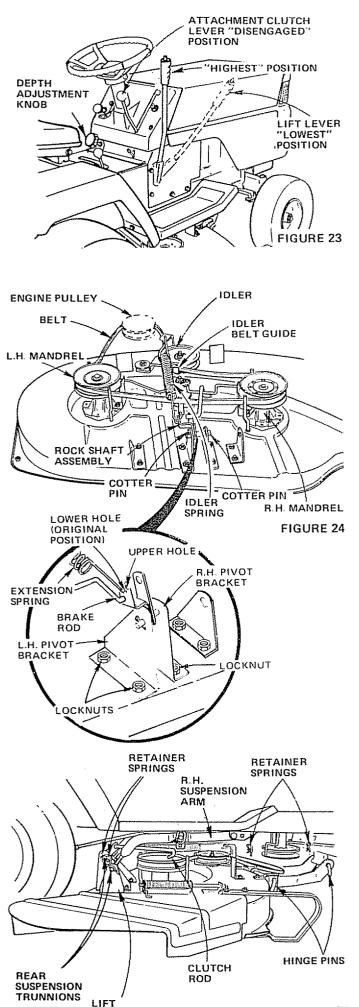
NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL

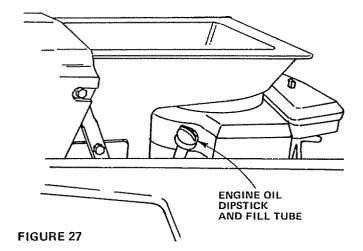
- 1. Place Attachment Clutch Lever in "DISENGAGED" position (Fig. 23).
- Turn Depth Adjustment Knob to lowest position. Move Mower Lift Lever (Fig. 23) forward to lower Mower to its lowest position.
- 3, Roll Belt off Engine Pulley (Fig. 24).
- 4. Pull Belt off both Mandrels (Fig. 24).
- 5. Spring Belt Guide away from Idler Pulley and pull Belt off Idler Pulley.
- 6. Slide Belt from under Idler Spring

TO REPLACE MOWER BELT

- 1. Slide Belt under Idler Spring (Fig. 24).
- 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.



BRACKET



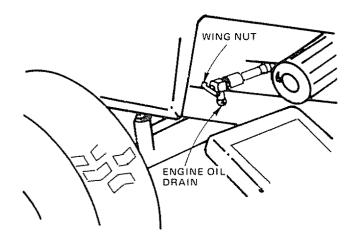


FIGURE 28

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,
- Pull Retainer Springs out of Rear Suspension Trunnions. Remove Rear Suspension Trunnions from Lift Brackets (Fig. 25).
- 5. Pull Retainer Spring out of Rear Hinge Pin. Remove Rear Hinge Pin (Fig. 25).
- 6. Pull Retainer Spring out of Front Hinge Pin. Remove Front Hinge Pin (Fig. 25).
- 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. 25) 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 blades and underside of housing a good coat of grease or rust preventative. Store in a clean dry area.

TRACTOR MAINTENANCE

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



DISCONNECT SPARK PLUG WIRES TO PREVENT ACCIDENTAL STARTING BE-FORE MAKING ANY INSPECTION, AD-JUSTMENT OR REPAIR (EXCEPT CAR-BURETOR).

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 Plug Wing Nut (Fig. 28) and remove Dipstick. Catch Oil in a suitable container. Tighten Oil Drain Plug Wing Nut.
- b. Refill Engine Oil. (See chart, page 6). Refill capacity is 1 - 1/2 quarts. NOTE: DO NOT OVERFILL. Replace Dipstick.

DAILY OR EVERY [®] 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. Wipe Dipstick (Fig. 27) clean, screw it down tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. (See chart, page 6). NOTE: DO NOT OVERFILL.

every 25 hours

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

1. CLEAN AIR SCREEN

Air Screen (Fig. 29) must allow free-flow of air to prevent Engine damage from overheating. Clean with a wire brush, compressed air or water pressure to remove dirt, chaff, stubborn dried gum and fibers.

2. CLEAN FRONT GRILL

The front Grill (Fig. 30) must allow free flow of air to prevent engine damage from overheating a. Brush off debris

3. LUBRICATE STEERING AND FRONT WHEELS

There is a grease fitting on each front wheel Use a grease gun; give each grease fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 or equivalent (available through your Sears Service Center). Use 30 weight oil to lubricate Front Spindles (Fig. 31). Use 30 weight oil to lubricate Front Axle Pivot (Fig. 31).

4. OIL PIVOT POINTS

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

- a Front Axle Pivot.
- b Hood Hinges
- c. Foot Pedal Shaft (both ends)
- d Lift Shaft (both ends)

SEE LUBRICATION CHART, PAGE 22.

5. CHECK BATTERY

- Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 32). Add distilled water if necessary. NOTE: DO NOT OVERFILL
- b. Keep Battery and Terminals clean. Refer to step 6.
- c. Keep Battery Bolts tight.
- d. Keep Vent Caps tight and small vent holes in Caps open.
- e. Recharge SLOWLY at 3 amperes if necessary

6. CLEAN BATTERY AND TERMINALS

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

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

EVERY 50 HOURS

(OPERATING IN DUSTY CONDITIONS MAY REQUIRE MORE FREQUENT SERVICING)

- 1. CLEAN AIR CLEANER FOAM PRE-CLEANER (FIG. 29)
 - a. Remove Knob and Cover.
 b. Remove Foam Pre-Cleaner element by sliding it off of the Paper Cartridge.
 - c. Wash Foam Pre-Cleaner in liquid detergent and water.
 - d. Wrap Foam Pre-Cleaner in cloth and squeeze dry.
 - e. Saturate Foam Pre-Cleaner in engine oil. Squeeze to remove excess oil.
 - f. Install Foam Pre-Cleaner over Paper Cartridge. Reassem ble Cover and Screw down tight.

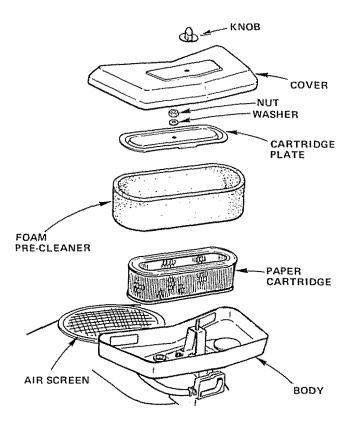


FIGURE 29

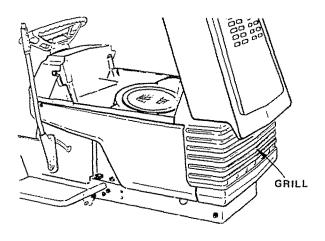
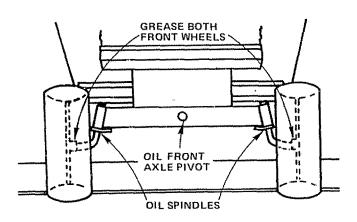


FIGURE 30







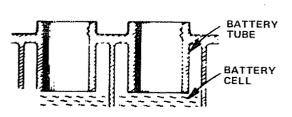


FIGURE 32

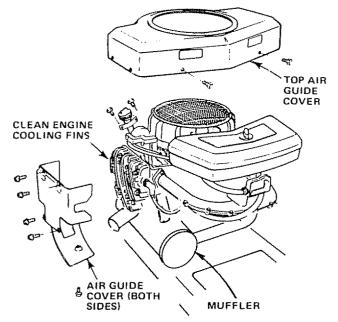


FIGURE 33

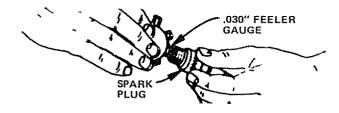
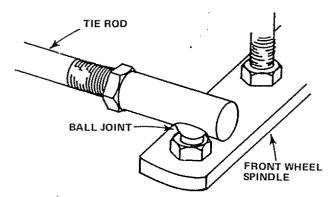


FIGURE 34



Yearly or every 100 hours, whichever occurs first, remove Paper Cartridge (Service more often if necessary). Clean by tapping gently on flat surface. If very dirty, replace Cartridge.

CAUTION: PETROLEUM SOLVENTS ARE NOT TO BE USED TO CLEAN PAPER CARTRIDGE. THEY MAY CAUSE DETERIORATION OF THE CARTRIDGE. DO NOT OIL PAPER CARTRIDGE. DO NOT USE PRESSURIZED AIR.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

2. CHANGE ENGINE OIL

The best time to drain 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 6_{e}

3. CLEAN ENGINE COOLING FINS

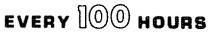
Remove any dust, dirt or oil from Engine Cooling Fins to prevent Engine damage from overheating. Air Guide Covers must be removed (Fig. 33). Remove eight 7/16" bolts and five phillips head screws to remove side and top covers. See Hood Removal, page 20.

4. MUFFLER

Do not operate the tractor without a Muffler (Fig. 33) or tamper with the exhaust system. 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.



WEAR SAFETY GLASSES IF USING COM-PRESSED AIR.



1. REPLACE SPARK PLUGS

Replace Spark Plugs at the beginning of each season or every 100 hours, whichever comes first. Gap should be set at .030 inch (Fig. 34).

- 2. LUBRICATE BALL JOINTS
 - a. Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 35).
 - b. Coat Ball Joints with Silicone Spray Lubricant
 - c. Reposition Rubber Boots.
- 3. REPLACE AIR CLEANER PAPER CARTRIDGE Refer to page 15.

EVERY 200 HOURS

REPLACE IN-LINE FUEL FILTER

- a. Remove Hose Clamps from Fuel Lines at Fuel Filter (Fig. 36).
- b. Remove Fuel Filter.
- c. Place new Fuel Filter in position with fuel line (arrow on side of Filter in direction of Fuel Filter) and reinstall Hose Clamps.



BE SURE THERE ARE NO FUEL LINE LEAKS AND THAT HOSE CLAMPS ARE PROPERLY INSTALLED.

AS NEEDED

1. CARBURETOR ADJUSTMENT

Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment.

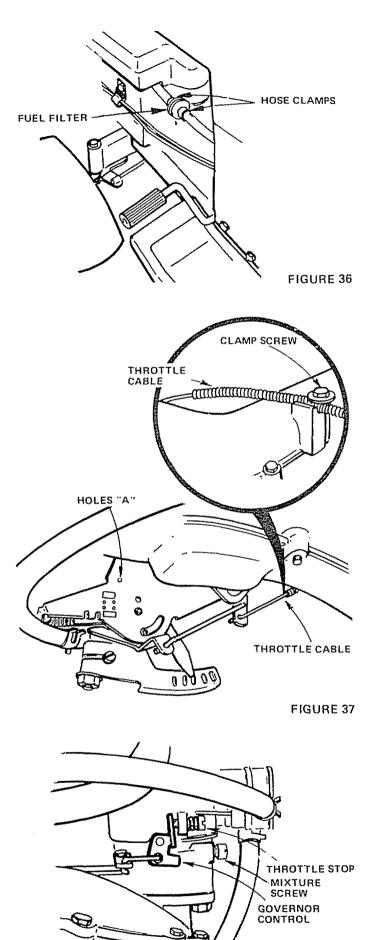
- a. Move Throttle Control (on the dashboard) to "SLOW" position.
- b. Check that two holes "A" line up. If not, loosen Clamp Screw and adjust Throttle Cable until the two holes do line up (Fig. 37 - Inset).



)

REFER TO "STARTING THE ENGINE". PAGE 6.

- c. Start Engine and allow to warm for five minutes. Make final adjustments with engine running.
- d. High Speed is fixed, no adjustment is possible.
- e. Adjust Carburetor Mixture Screw to suggested initial setting.
 - Turn Mixture Screw clockwise () closing finger tight ONLY, and then turn counterclockwise (m)1 - 1/2 turns (Fig. 38). CAUTION: VALVE MAY BE DAMAGED IF TURNED IN TOO FAR.
- f. Hold Governor Control against Throttle Stop, Turn Mixture Screw clockwise () until engine just starts to slow (Fig, 38).
- g. Turn Mixture Screw counterclockwise (\uparrow) 1/2 turn. h. Move Throttle Control to "FAST". If engine hesitates or dies, turn Mixture Screw 1/4 turn counterclockwise () until engine will accelerate as Throttle Control is moved from "SLOW" to "FAST".



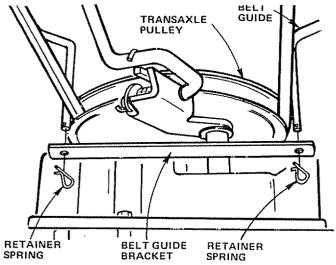


FIGURE 39

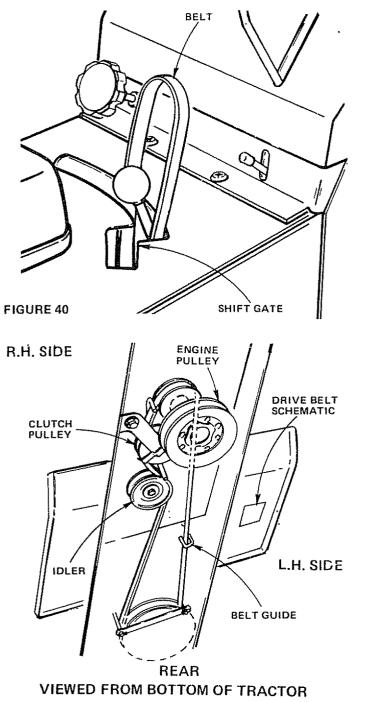


FIGURE 41

2. 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 13).
- b. Remove two Retainer Springs from Belt Guide Bracket below Transaxle Pulley. Remove Bracket (Fig. 39).
- c. Swing Belt Guides away from Belt, toward rear of tractor (Fig. 39).
- d. Roll Belt over top of Transaxle Pulley.
- e. Roll Belt over Engine Pulley and off Idler (Fig. 41).
- 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. 41).
- h. Pull Belt out through Shift Gate to remove from tractor (Fig. 40).

Install Belt by reversing above procedure. NOTE: RE-PLACE ONLY WITH BELT LISTED IN MANUAL.

3. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to discharge.



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

- a. 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 THE 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 Vasoline.

4. CHECK FASTENERS

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

5. CHECK BRAKE OPERATION

This tractor is equipped with an adjustable brake system mounted on the right side of the transaxle (Fig. 43).



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

NOTE: PARKING BRAKE MUST BE DISENGAGED AND GEAR SHIFT LEVER IN NEUTRAL WHILE MAKING ADJUSTMENT.

- a. Depress Clutch-Brake Pedal and engage Parking Brake.
 b. Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.
- c. If distance is other than 1 1/2", loosen Jam Nut (Fig. 43) and turn Nut "A" until distance becomes 1 1/2". Retighten Jam Nut against Nut "A".

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

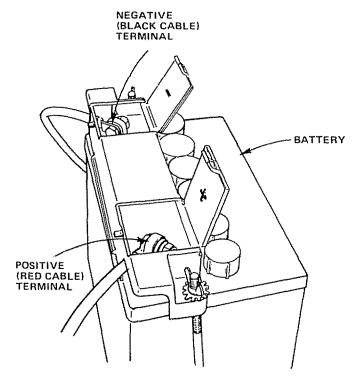


FIGURE 42

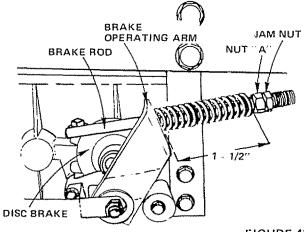


FIGURE 43

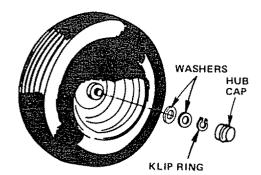


FIGURE 44

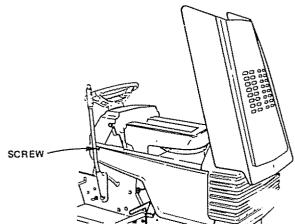


FIGURE 45

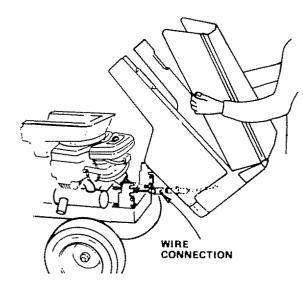
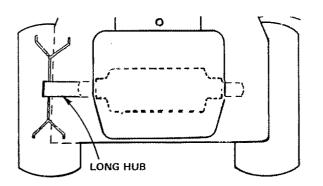


FIGURE 46



- 6. TIRE CARE
 - a. Maintain tire pressure in front at 14 PSI and rear tires at 12 PSI.
 - b. Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
 - c. Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
 - d. Removing front wheel for tire repair (Fig. 44).
 - ---- Block up front axle securely.
 - -- Remove Hub Cap, Klip Ring and Washers to allow wheel removal.
 - -- Repair tire and reassemble, Replace Washers and snap Klip Ring securely in axle groove. Replace Hub Cap.
 - e. Removing rear wheel for tire repair.
 - Block up rear axle securely.
 - Remove Hub Cap, Klip Ring and Washers.
 - -- Repair tire and reassemble. Replace Tire, Washers, Klip Ring and Hub Cap.



WHEN MOUNTING TIRES, UNLESS BEADS ARE SEATED, OVERINFLATION CAN CAUSE A FATAL EXPLOSION.



WHEN REPLACING WHEELS ON THE TRACTOR THEY MUST BE MOUNTED WITH THE LONG HUB SIDE TOWARD THE CENTER OF THE TRACTOR. IN-CORRECT INSTALLATION COULD AF-FECT LATERAL STABILITY. SEE FIG. 47.

7. FINISH

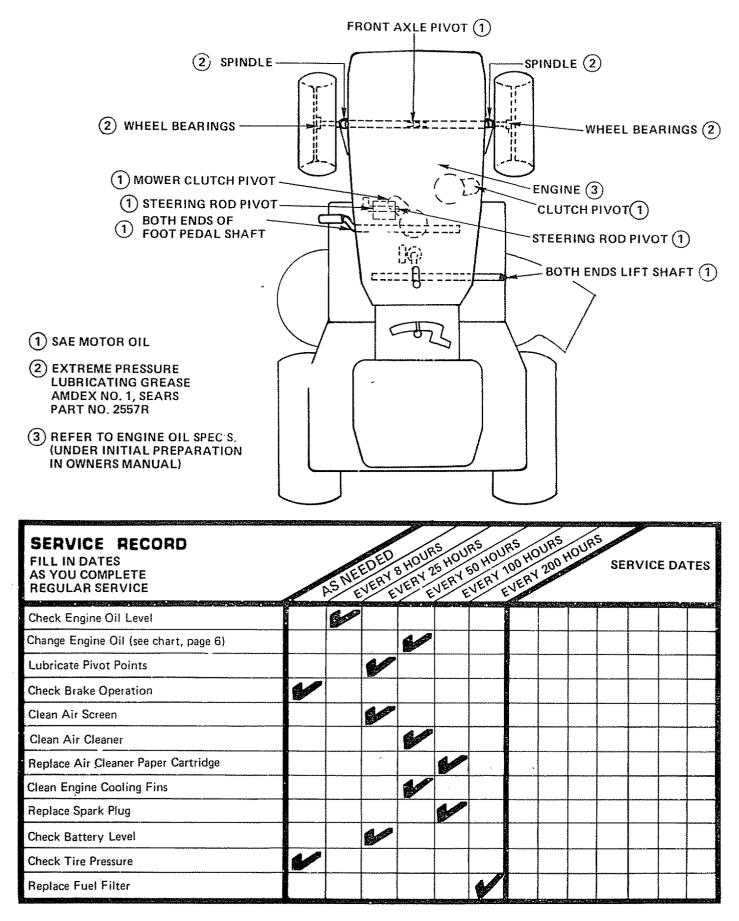
Keep tractor finish and seat free of gasoline, oil, insect chemicals or battery electrolyte. Protect painted surfaces with automotive type wax.

8. HOOD REMOVAL

- a. Lift Hood. Disconnect Headlight Wiring Connection (Fig. 46).
- b. Unscrew one Screw at rear of each Side Panel (Fig. 45).
- c. Pivot Hood and Side Panel forward and lift off tractor (Fig. 46).
- d. To replace, reverse the above procedure.

TROUBLE SHOOTING	POSSIBLE REMEDY
WILL NOT START Clutch-Brake Pedal in drive position Attachment Clutch Lever in "ENGAGED" position No gasoline in Fuel Tank or clogged Fuel Line or Fuel	Push Pedal into brake position (Fig. 8). Move Lever to "DISENGAGED" position (Fig. 9) Fill Tank with fresh Gasoline. Check Fuel Filter (Fig. 36)
Filter Blown Fuse	and Carburetor (clean if necessary) Check for fault and replace Fuse
Dead Battery	Recharge or replace Battery
Defective Ignition or loose Wiring Spark Plug fouled	Check Wiring Replace Spark Plug and adjust gap (Fig. 34)
ARD TO START	
Choked improperly, flooded Engine	Place Throttle Control in fast position (Fig. 9) and with choke pushed in run starter several times to clean out gas
Clogged Fuel Tank, Fuel Line or Fuel Filter Spark Plug fouled	Remove and clean. Replace Filter (Fig. 36) Replace Spark Plug and adjust gap (Fig. 34)
Defective Battery	Recharge 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 Poor compression	Make necessary adjustments (page 17) Major engine overhaul
ENGINE MISSES OR LACKS POWER	Chife to a lower one of the load
Engine overloaded Clogged Fuel Filter	Shift to a lower gear or reduce load Remove and replace (Fig. 36)
Clogged Fuel Tank	Remove and clean
Partially plugged Air Cleaner	Remove and clean (Fig. 29)
Improper Carburetor adjustment	Make necessary adjustments (page 17)
Dirty Air Screen Low oil level	Clean Air Screen, Cooling Fins (Fig. 33) and Muffler Add or change oil (page 14)
Spark Plug fouled, improper gap or wrong type	Replace Spark Plugs and adjust gap (Fig. 34)
Faulty ignition	Check Spark Plugs and for any loose wires
Poor compression Gasoline in oil	Major Engine overhaul Drain Engine oil and refill
Dirty Air Cleaner	Remove and clean (Fig. 29)
ENGINE OVERHEATS	
Dirty Air Screen	Clean Air Screen (Fig. 29)
Low oil level	Add or change oil (page 14) Clean Cylinder Fins, Air Screen and Muffler area
Dirty Engine Partially plugged Muffler	Remove and clean Muffler (Fig. 33)
Improper Carburetor adjustment	Adjust Carburetor (page 17)
NO LIGHTS No Headlight with Light Switch in "ON" position and engine running	Check Wire Connections and Switch, Replace Light Bulbs
WON'T CHARGE	
Blown Fuse Defective Battery	Check for fault and replace Replace
UNSATISFACTORY MOWER PERFORMANCE/UNEVEN DIS	
Tires not inflated properly	Check air pressure in tires (page 20)
Mower improperly adjusted	Check front to rear and side to side mower adjust- ment (pages 9 & 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 Improper mower blade installation	Replace mower blade Reinstall with top of blade up
Incorrect mower blade	Replace with proper mower blade
Belt slippage .	Re-adjust mower drive belt (page 13)
STORAGE	linders,
a. Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOG-	c. Turn Ignition Key to "START" position for a few seconds to distribute oil. d. Replace with new Spark Plugs. 4. BATTERY
GING FUEL SYSTEM. b. Dispose of gasoline if not to be used. NOTE: GASO- LINE STORED FOR SEVERAL MONTHS LOSES	a. Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50° F.). CAUTION: A DIRTY BATTERY CAN RUIN A
ITS VOLATILITY (ABILITY TO BURN EFFECT- IVELY). ENGINE OIL	FLOOR CLEAN BATTERY BEFORE STORAGE. b. Re-charge each month if necessary. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT
Drain (with engine warm) and replace with clean engine oil. (See chart, page 6). CYLINDERS	KEPT FULLY CHARGED, PRODUCE SULPHATE DEPOSITS ON PLATES WHICH CANNOT BE RE- MOVED BY RECHARGING.
 a. Remove Spark Plugs. b. Pour one once of oil through spark plug holes into cy 	5. GENERAL CLEANING

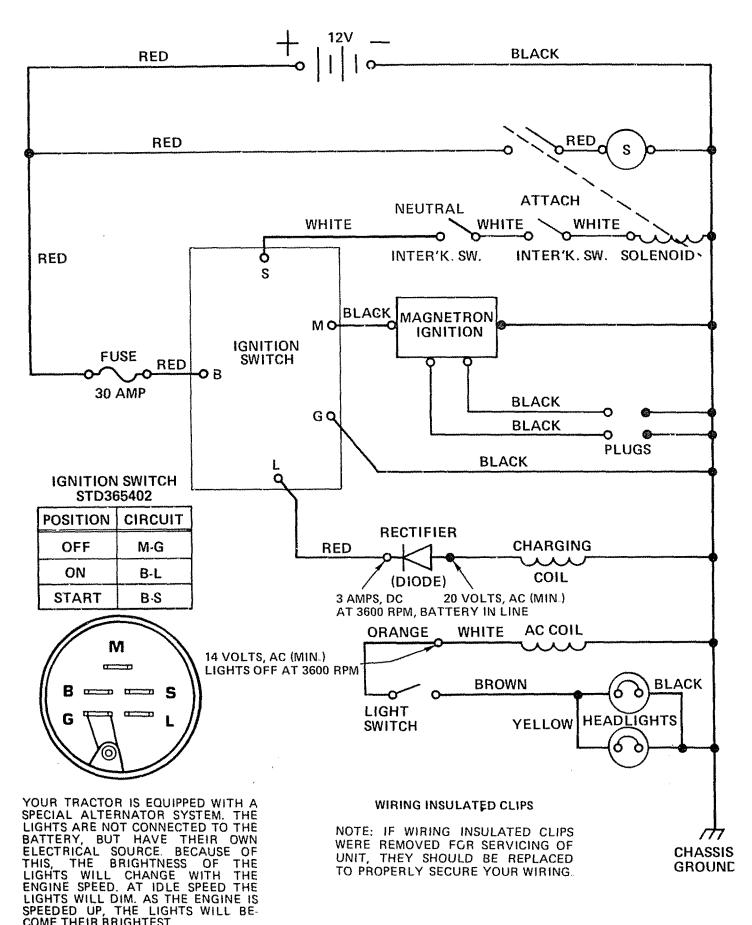
LUBRICATION CHART



Sears, Roebuck and Co. reserves the right to make any changes in design or improvements without imposing any obligation ...22. to install the same upon its items heretofore manufactured.

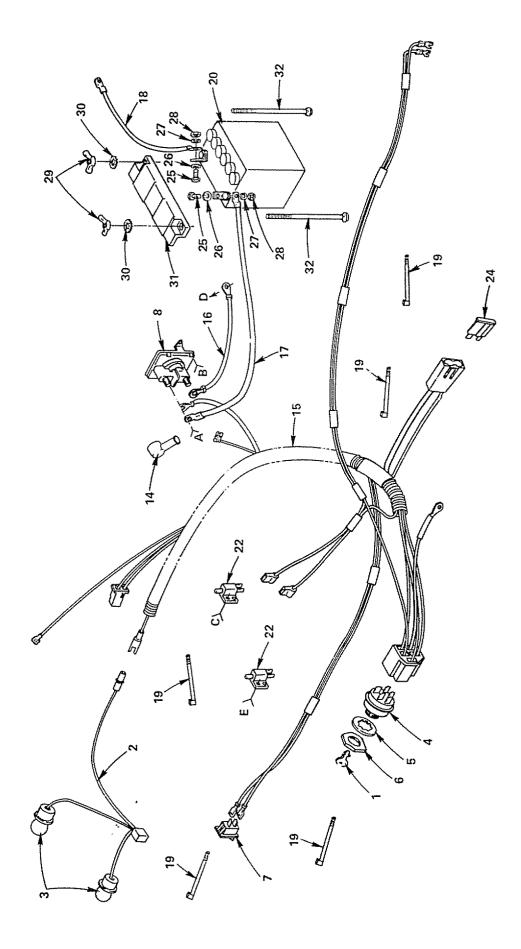
SCHEMATIC

COME THEIR BRIGHTEST.



ELECTRICAL

YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813



- 24 -

YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813

ELECTRICAL

-

NOI	Kev Set Harness - Light Socket Bulb - Light Swirch - Ignition Washer - Lock - Int. Tooth 5/8 Nut - Hex 5/8 - 32 Switch - Light Solenoid Washer - Lock 1/4 Washer - Lock 1/4 Washer - Lock 1/4 - 20 Washer - Lock - Ext. Tooth 1/4 Nut - Keps 1/4 - 20 Cover - Terminal Harness - Ignition Cable - Battery
DESCRIPTION	Key Set Harness - Light Socl Bulb - Light Switch - Ignition Washer - Lock - Int. Nut - Hex 5/8 - 32 Switch - Light Solenoid Washer - Lock 1/4 - 20 Washer - Lock 1/4 - 20 Washer - Lock - Exi Nut - Keps 1/4 - 20 Cover - Terminal Harness - Ignition Cable - Ground
PART NO.	105613X 105387X 4152J STD365402 11151000 3258J 105381X 2008J 105381X 2008J 105381X 2008J 105381X 2008J 11050400 73510400 73510400 73510400 73510400 73510400 73510400 73510400 73510400 73510400
KEY NO.	-084592800-2001-2004592

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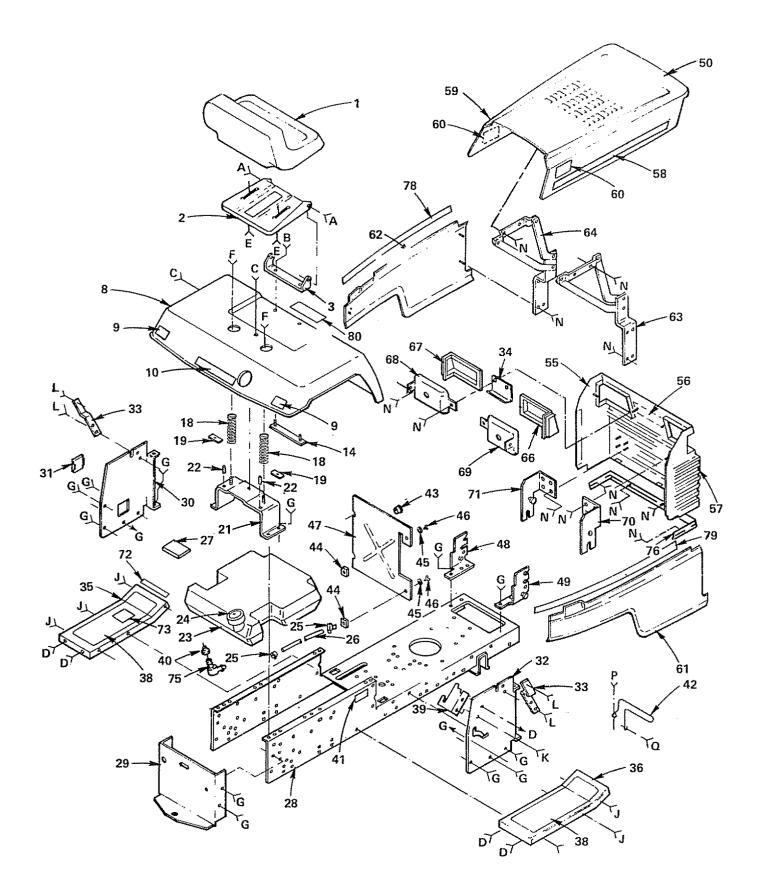
DESCRIPTION	Cable - Battery Tie - Cable Battery Pack Switch - Interlock - Clutch Screw - Hex Tap. 10 - 24 × 1/2 Fuse - 30 Amp * Bolt - Hex 1/4 - 20 × 3/4 * Washer - Lock 1/4 * Nut - Hex 1/4 * Nut - Hex 1/4 * Nut - Hex 1/4 * Nut - Wing 1/4 - 20 Washer - Lock 1/4 Int./Ext, Tooth Guard - Terminal Bolt - Rd. Hd. Sq. Nk, 1/4 - 20 × 7 - 1/2 Screw - Hex Washer 10 - 24 × 1/2 Screw - Hex Washer 10 - 24 × 1/2 Sheet - Instruction, Tractor 15 ⁰ Slope Manual - Owners	*STANDARD HARDWARE-FURGRASE FUCALE
PART NO.	4207J 7192J 9272R 104445X 17021008 108224X STD522507 STD521025 STD521025 57D541625 11030400 102476X 72240460 17301008 101539X 108390X	*STANDAH
КЕ NO.	1 1 332 33 33 33 33 33 33 33 33 33 33 33 33	

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YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917.255813

CHASSIS AND ENCLOSURES

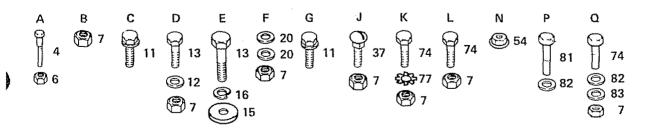


YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917,255813

CHASSIS AND ENCLOSURES

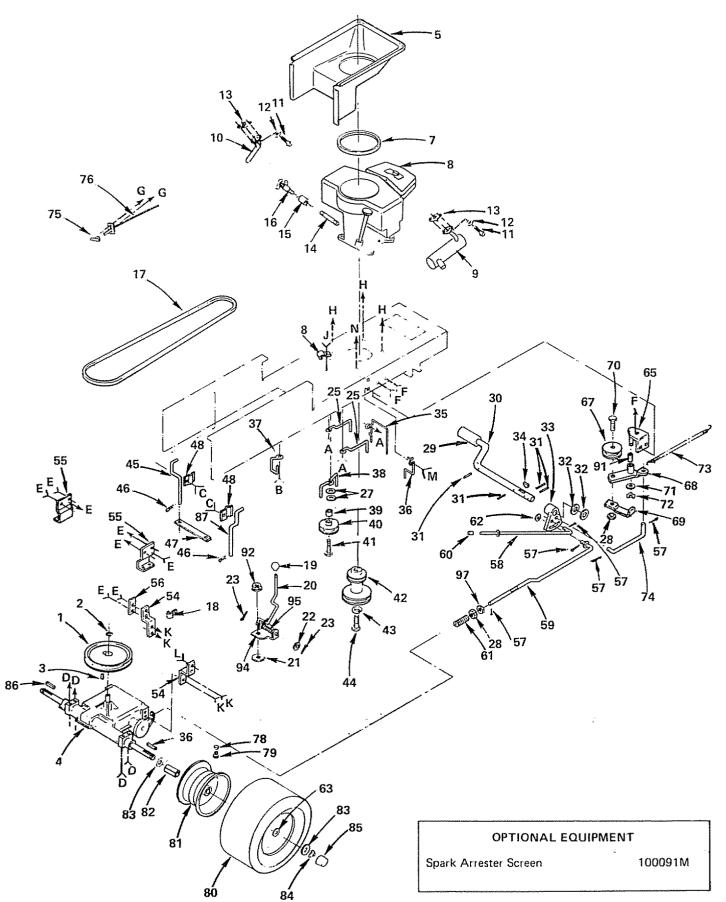
KEY NO	PART NO	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
NO. 1 2 3 4 6 7 8 9 10 11 12 13 14 15 16 18 19 20 21 22 23 24 25 26 27 28 29 30 31	NO. 108446X 108176X 105513X 105529X 73680500 73680600 105507X 106202X 105801X 17490612 19131312 STD523707 105511X 19131216 STD551137 105512X 105505X 105965X 6999R 5277J 106082X 105965X 102481X 105523X 105505X	Seat Pan - Seat Bracket - Pivot - Seat Bolt - Shoulder 5/16 - 18 Nut - Lock 5/16 - 18 Nut - Lock 3/8 - 16 Fender Reflector - Rear Decal Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Washer 13/32 x 13/16 x 12 Ga. * Bolt - Hex 3/8 - 16 x 3/4 Strap - Fender Washer 13/32 x 3/4 x 16 Ga. * Lockwasher 3/8 Spring - Compression Clamp - Spring Washer 13/32 x 1 ~ 1/4 x 12 Ga. Bracket - Fender Nut - Push Tank - Fuel Cap - Fuel Clamp - Hose Line - Fuel Pad - Spacer Chassis Assembly Drawbar Panel - Dash - L.H. Cover - Access	NO. 38 39 40 41 42 43 44 45 46 47 48 9 50 54 55 56 57 58 9 60 61 62 63 64 66 67 68 9 70 71	NO. 105466X 106297X 3645J 105809X 108885X 9151R 105839X 105751X 105867X 105015X 109016X 106013X 106013X 105528X 105568X 105568X 105568X 105568X 105560X 108744X 105560X 108743X 10560X 108743X 106091X 106091X 106003X 106004X 106005X 106005X 108512X 108513X	Pad - Footrest Bracket - Clutch - Mower Bushing Decal - 5 Speed - 38 ^{rr} Guard - Muffler Grommet Receptacle Retainer Stud - 1/4 Turn Shield - Heat Bracket - Pivot - L.H. Bracket - Pivot - L.H. Bracket - Pivot - R.H. Hood Pal Nut Grill Decal Decal - Stripe Decal - Hood - R.H. Decal - Hood - R.H. Decal - Hood - R.H. Decal - 14 H.P. Panel - Side - R.H. Panel - Side - R.H. Hinge - L.H. Hinge - L.H. Bezel - L.H. Bracket - Pivot - R.H. Bracket - Pivot - R.H.
32 33 34 35	105522X 105525X 106092X 105465X	Panel - Dash - R.H. Bracket - Support - Dash Shield - Support Footrest - L.H.	72 73 74 75	4900J 105813X STD523710 8710J	Decal - Clutch/Brake Decal - Drive Belt *Bolt - Hex 3/8 - 16 x 1 Stem - Tank, Fuel
36 37	105464X STD533707	Footrest • R.H. * Bolt - Carriage 3/8 • 16 x 3/4	76 77 78 79 80 81	105524X 11050600 106813X 106814X 106974X 17490616	Strap Assembly - Grill Washer, Lock, Ext. Tooth 3/8 Decal - Stripe, Side Panel, L.H. Decal - Stripe, Side Panel, R.H. Decal - Opei - Caution Bolt, Hex Washer Thread Rolling 3/8 - 16 x 1
			82 83	19131616 19131316	Washer 13/32 x 1 x 16 Ga, Washer 13/32 x 13/16 x 16 Ga.

*STANDARD HARDWARE--PURCHASE LOCALLY



YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917.255813

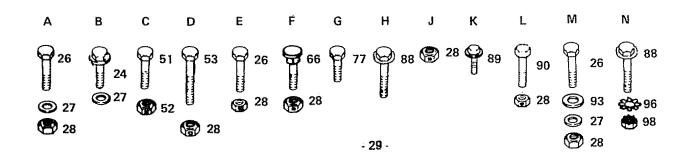
DRIVE



YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917.255813

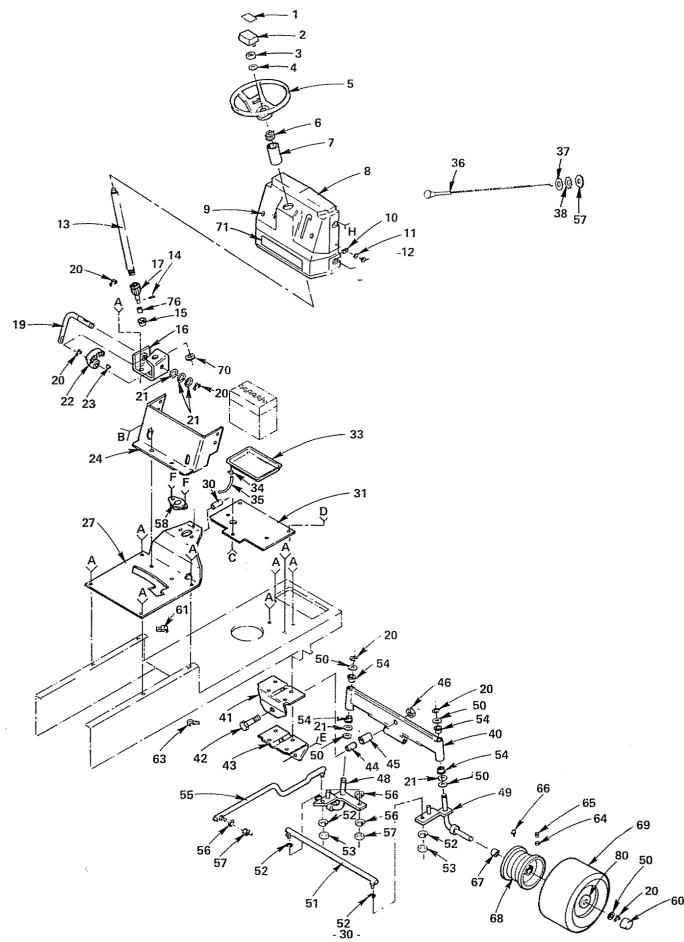
DRIVE

KEY NO,	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	105703X 12000028	Pulley, Transaxle (Driven) Ring, Retainer	.48 51		Clamp *Bolt, Hex 5/16 - 18 x 3/4
3	STD580025	*Key, Woodruff No. 9	52	73680500	Nut, Lock, 5/16 - 18
4	108854X	Transaxle, 5 Speed, Foote Model No. 4150-17 (see pages 36 and 37 for	53 54	105842X	*Bolt, Hex, 3/8 - 16 × 2- 3/4 Strap, Torque
		parts breakdown)	55	3723J	Bracket, Transaxle
5	105953X	Duct, Air Intake	56	106157X	Plate, Strap, Torque
7	106817X	Foam	57	76020412	Pin, Cotter, 1/8 x 3/4
8	105949X	Engine, 14 H.P., Briggs & Stratton	58 59	105844X 105752X	Rod, Brake, Park
		Model No. 400707, Type No. 0111-02	60	71673	Rod, Brake Cap
9	108373X	Muffler	61	106888X	Spring, Rod, Brake
10	100229L	Tube Ass'y - Exhaust	62	STD551037	*Washer, 13/32 x 13/16 x 16 Ga.
11	STD522507	*Bolt, Hex, 1/4 - 20 x 3/4	63	19252616	Washer_25/32 x 1 - 5/8 x 16 Ga.
12	STD551131		65	105724X	Bracket, Clutch
13	8545J	Gasket Nipple Bing 2 1/2	66 67		*Bolt, Carr., 3/8 - 16 x 3/4
14 15	13280328 13300300	Nipple, Pipe - 3 - 1/2 Coupling, Pipe, Std. 3/8 - 18 NPT	68	106298X 105705X	Pulley, Idler Bellcrank Assembly (Inc. Key No. 91)
16	9767H	Valve, Draín, Óil	69	106499X	Retainer, Belt
17	105732X	V-Belt, Drive	70	STD523715	
18	2751R	Clip	71	207J	Washer, Hardened
19	106933X	Knob	72	12000039	Klip Ring
20	105699X	Rod, Shifter Washer - Shift Plate	73 74	105709X 105710X	Spring, Return, Clutch Link, Clutch
21 22	105701X 19151216	Washer, $15/32 \times 3/4 \times 16$ Ga.	75	61159	Knob, Throttle Control
23	STD561210		76	106678X	Control, Throttle
24	17490612	Screw - Hex Washer Hd. Thd. Rolling	77	17720408	Screw, Hex Thd. Cut, 1/4 - 20 x 1/2
		3/8 - 16 x 3/4	78	59192	Cap, Valve
25	105730X	Keeper, Belt, Engine	79 80	65139	Stem, Valve
26 27	19131312	*Bolt, Hex, 3/8 - 16 × 1 Washer, 13/32 × 13/16 × 12 Ga.		106268X 7152J	Tire, Rear, 18 x 9.50 x 8 Tube (Not furnished with tractor)
28	73680600	Nut, Lock, 3/8 - 16	81	106108X	Rim
29	8883R	Cover, Pedal	82	105702X	Spacer, Split, 80 × 11 Ga × 2.06
30	109037X	Shaft, Foot Pedal	83	19252016	Washer, 25/32 x 1 - 1/4 x 16 Ga.
31	STD571810		84	12000001	E-Ring
32 33	19252016	Washer, 25/32 x 1 - 1/4 x 16 Ga.	85 86	104757X STD580105	Cap, Hub, Rear
33 34	106918X STD580025	Arm, Brake *Key, Woodruff No. 9	87	106904X	*Key - Square, 3/16 x 2 Keeper, Belt, R.H.
35	106301X	Guide, Belt, Lower, Eng. Pulley L.H.	88	17490624	Bolt, Hex Washer Thd. Roll. 3/8 - 16
36	106300X	Guide, Belt, Lower, Eng. Pulley R.H.			x 1 - 1/2
37	104777X	Guide, Belt	89	17490512	Screw, Hex Washer Thread Rolling
38	106191X	Keeper, Belt			5/16 - 18 x 3/4
39 40	4470J 4859J	Spacer Idler, Flat	90		*Bolt, Hex 3/8 - 16 x 3/4
40	STD523727	*Bolt, Hex 3/8 - 16 x 2 - 3/4	91	105706X 73960500	Bearing Nut - Lock, Whiz 5/16 - 18
42	105731X	Pulley, Engine	92 93	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
43	10040700	Washer, Lock, 7/16	94	106919X	Plate, Rod, Shift
44	74770720	Bolt, Hex, 7/16 - 20 x 1 - 1/4	95	105700X	Spring - Torsion
45	106903X	Keeper, Belt, L.H.	96	11050600	Washer - Lock Ext. Tooth 3/8
46 47	4921H 106294X	Retainer, Spring Strap, Locator	97 98	73510600	* Nut - Hex Jam 3/8 - 16 Nut - Keps 3/8 - 16
4/	1002947		90		D HARDWARE-PURCHASE LOCALLY
				STANDAR	U HANDWANE-FUNUNASE LUUALLY



YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813

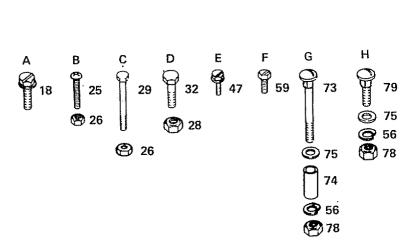
STEERING ASSEMBLY



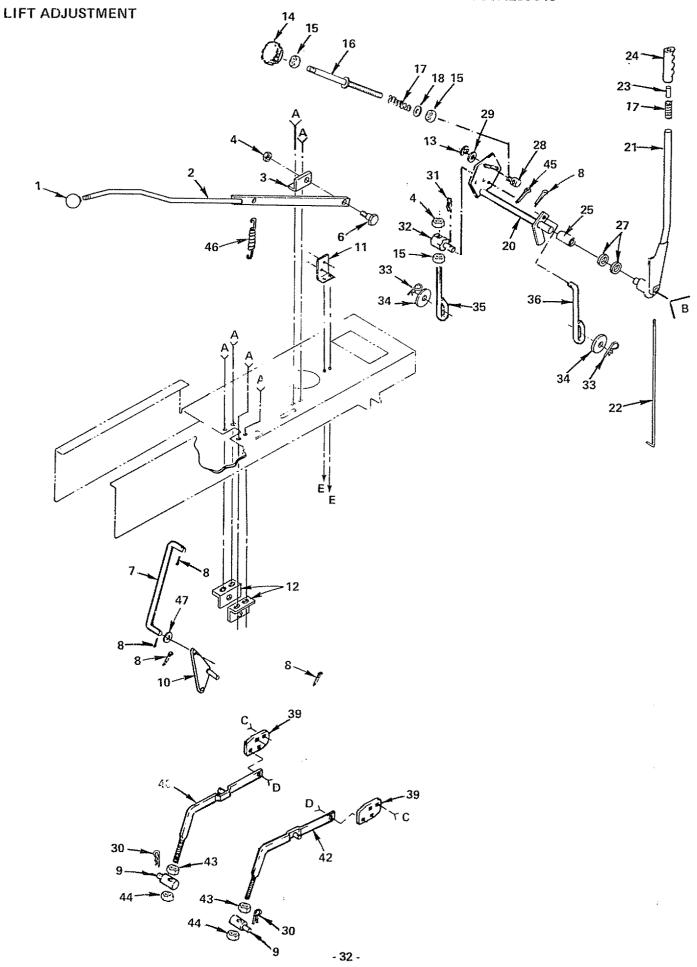
YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917.255813

STEERING ASSEMBLY

KEY NO.	PART NO	DESCRIPTION	KEY NO	PART NO.	DESCRIPTION
NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 9 30 31 32 33 34 35 36 37 38	105810X 100710L STD541350 100712K 100713N 100711L 106015X 108407X 108809X 108402X 106910X 106909X 108705X 2882J 71208 102531X 108685X 17490612 108683X 12000029 6266H 108684X 106126X 105518X 74180512 73680500 108263X 73680600	Decal - Cap, Steering Wheel Insert - Steering Wheel * Nut - Hex 1/2 - 20 Washer Wheel - Steering Adapter - Steering Wheel Sleeve - Steering Dash Decal - Dash U-Clip Washer Screw - Special Shaft - Steering Pin - Drive 3/16 x 1 Bushing Bracket - Steering Gear - Pinion Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Rod - Steering Klip Ring Bearing - Thrust Gear - Sector Key - Woodruff Dash - Lower Screw - Crown Truss Hd, 5/16 - 18 x 3/4 Nut - Lock 5/16 - 18 Saddle Nut - Lock 3/8 - 16 * Bolt - Hex 5/16 - 18 x 2 Spacer Support Plate - Battery Bolt - Hex 3/8 - 16 x 3/4 Tray - Battery Clamp - Hose Tube Control - Choke * Washer 13/32 x 13/16 x 16 Ga. Washer - Lock, Ext. Tooth 3/8	NO 40 41 42 43 44 56 47 48 50 55 55 55 55 55 56 61 34 56 66 66 67 68 9 71 34 56 78 90	105669X 105663X 74761060 105664X 105725X 105726X 73901000 17490508 105655X 105653X 19252016 106440X STD551131 STD541131 3366R 105727X STD551137 STD541137 STD541137 1554J 17431008 104757X 2751R 100207K 59192 65139 278H 9040H 106732X 106222X 59904 101930X 108456X 72110622 106486X 19131416 74580 STD541037 72110608	Axle - Front Support - Saddle - Rear Bolt - Hex 5/8 - 11 x 3 - 3/4 Support - Saddle - Front Spacer Bearing Nut - Lock - Flange 5/8 - 11 Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Spindle - L.H. Spindle - R.H. Washer 25/32 x 1 - 1/4 x 16 Ga. Rod - Tie * Washer - Lock 5/16 * Nut - Hex 5/16 - 24 Bearing Link - Drag * Lockwasher 3/8 * Nut - Hex 3/8 - 24 Bushing - Steering Screw - Hex No. 10 - 16 x 1/2 Cap - Hub - Front Clip - Fuel Line Clip 3/8 Cap - Valve Stem - Valve Fitting - Grease Bearing Rim - 6'' Front Tire - Front Tube - Tire - Front Washer, Hardened Decal - Instruction, Operating Bolt - Carriage Hex 3/8 - 16 x 2 - 3/4 Spacer * Nut - Hex 3/8 - 16 Bolt - Carriage Hex 3/8 - 16 x 1 Washer 13/32 x 7/8 x 16 Ga. Spacer
				19252616 *STANDAR	D HARDWAREPURCHASE LOCALLY



YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917.255813



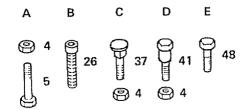
YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917.255813

LIFT ADJUSTMENT

KEY NO	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 12 13 4 5 6 7 8 9 10 11 22 21 22	6465R 106861X 106498X 73680600 STD523707 106451X 108387X 76020412 106308X 106441X 108236X 106444X 12000037 100734K STD541237 100735K 2876H 19131016 105632X 106645X 106644X	Knob Lever - Mower - Clutch Bracket - Pivot Nut - Lock 3/8 - 16 * Bolt - Hex 3/8 - 16 x 3/4 Bolt - Shoulder Rod - Clutch - Primary Pin - Cotter 1/8 x 3/4 Trunnion - Lift - Lower Bellcrank Bracket - Switch Bracket - Switch Bracket - Bellcrank Klip Ring Knob, Depth Adjustment * Nut - Jam 3/8 - 16 Rod - Adjust - Lift Spring Washer 13/32 x 5/8 x 16 Ga. Shaft - Lift Lever - Lift Rod - Lever	23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 39 40 41 42 43 44 45 46 47 48	105723X 106019X 106011X 74570632 105630X 6519J 19151216 9135R 4939M 106204X 4921H 19171616 105855X 105856X STD53707 105864X 105863X 105863X 105863X 105862X STD541050 73680800 76020308 58606 19131312 17021008	Bracket - Suspension Arm - Suspension - L.H. Bolt - Shoulder 3/8 - 16 Arm - Suspension - R.H.

17021008 Screw - Hex Hd. Tap. No. 10-24 x 1/2 *STANDARD HARDWARE--PURCHASE LOCALLY

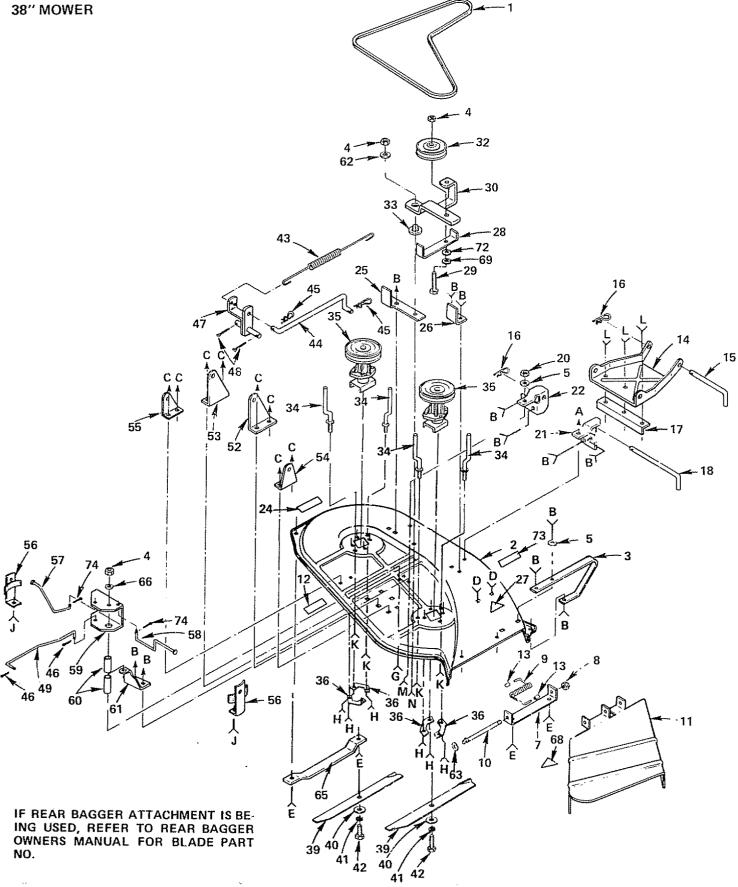
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YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813

38" MOWER



YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813

38'' MOWER

KEY NO	PART NO.	DESCRIPTION	KEY NO	PART NO	DESCRIPTION
1	106085X	V-Belt	34	102669X	Keeper, Belt
2	105689X	Housing	35	105891X	Mandrel Assembly
3	8417J	Runner, R.H.	36	100668L	Plate, Support, Mandrel
4	73680600	Nut, Lock, 3/8 - 16	37	17490612	Screw, Hex Washer Hd. 3/8 - 16 x 3/4
5 6	19111216	Washer, 11/32 x 3/4 x 16 Ga.	38	17490620	Screw, Hex Washer Hd. 3/8 - 16
6	72140505	Bolt, Carr., 5/16 - 18 x 5/8			x 1 - 1/4
7	105896X	Bracket, Deflector	39	106634X	Blade, 38 ¹¹
8	5846R	Nut	40	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
9	106734X	Spring, Deflector	41		*Washer, Lock, 3/8
10	106735X	Rod - Hinge	42	STD632/15	*Bolt, Hex, 3/8 - 24 × 1 - 1/2 Gr 5
11	106736X	Deflector - Shield	43	108250X	Spring, Ext.
12	105814X	Decal	44	108235X	Rod
13	105304X	Сар	45	4921H	Spring, Retainer
14	105662X	Link, Parallel	46	STD560907	*Pin, Cotter, 3/32 x 3/4
15	105744X	Pin, Front Hinge	47	108068X	Shaft Assembly, Rock
16	3146R	Spring - Retainer	48	76020616	Pin, Cotter, 3/16 x 1
17	105872X	Stop, Link	49	108247X	Rod. Brake. Primary
18	105743X	Pin, Rear Hinge	50	STD533707	
19	STD523707		52	108243X	Bracket, Pivot, R H
20	73680500	Nut. Lock 5/16 - 18	53	108241X	Bracket, Pivot, L.H.
21	105659X	Bracket, Lift, R.H.	54	105857X	Bracket, Susp., Rear, R.H.
22	105660X	Bracket, Lift, L.H	55	108673X	Bracket, Susp _e , Rear, L.H.
23	STD533107	*Bolt, Carr. 5/16 - 18 x 3/4	56	106578X	Brake Boot Busine Considered III
24	3713J	Instruction - Caution Decal	57	106463X	Rod, Brake, Secondary L.H.
25	106295X	Support, Arm	58	108249X	Rod, Brake, Secondary, R.H.
26	105850X	Stop, Deck, Front	59	106456X	Bracket, Brake, Pivot
27	106975X 106461X	Decal - Safety Standard Guide. Belt	60	100672K	Spacer, Brake
28 29	STD523720	*Bolt 3/8 - 16 x 2	61	100673L	Bracket, Support
29 30	108832X	Arm, Idler	62 63	106514X	Washer, Wear 3/16
30 32	102403X	Pulley, Idler		19111016	Washer, 11/32 x 5/8 x 16 Ga
.32 33	102403X 106902X	Spacer - Retainer	64 65	74760684	Bolt, 3/8 - 16 x 5 - 1/4
33	100902X	Spacer - netainer		7631J	Runner, L.H.
			66 67	19131614	Washer 13/32 x 1 x 14 Ga.
			67 68	72140610 78850	Bolt, Carr. 3/8 - 16 x 1 - 1/4 Decal - Warning
			69	STD551037	
			69	310001037	

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106679X

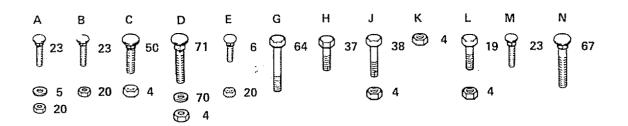
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19141610 Washer 7/16 x 1 x 10 Ga. 72110606

Bolt, Carriage 3/8 - 16 x 3/4 19132012 Washer 13/32 x 1 - 1/4 x 12 Ga. Decal Warning

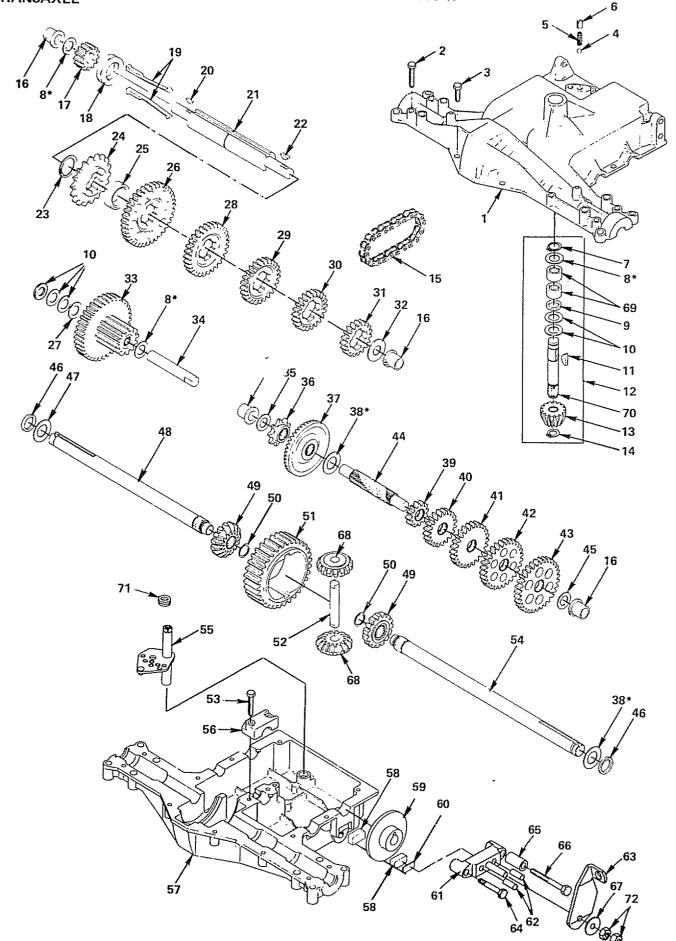
*STANDARD HARDWARE--PURCHASE LOCALLY

Pin, Cotter 3/32 x 1/2



TRANSAXLE

YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813 TRANSAXLE FOOTE--MODEL NUMBER 4150-17



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YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813 TRANSAXLE FOOTE--MODEL NUMBER 4150-17

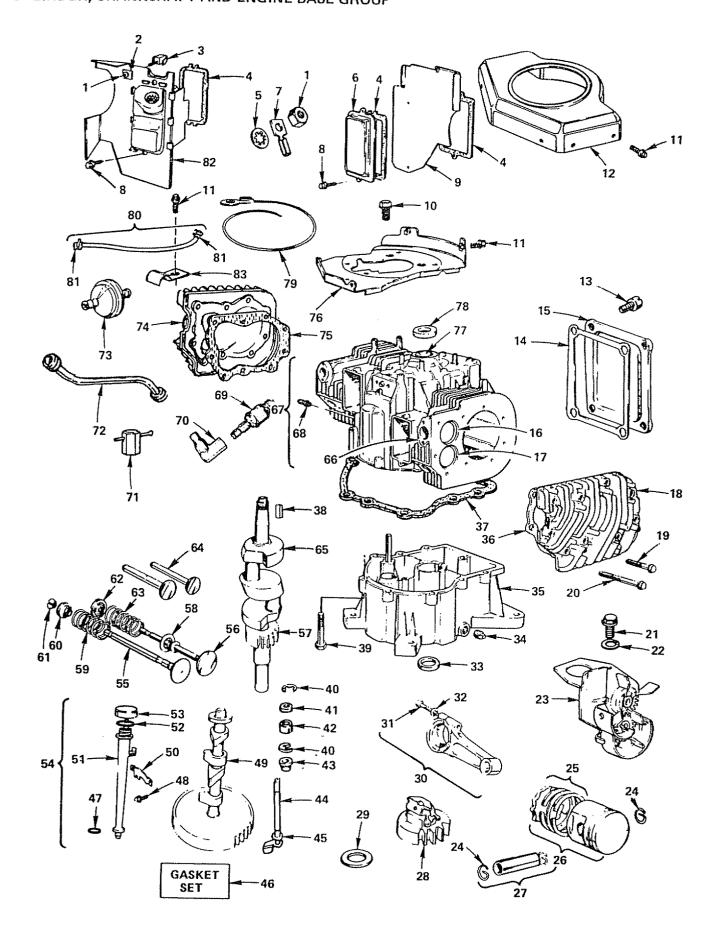
TRANSAXLF

KEY NO	PART NO	DESCRIPTION	KEY NO	PART NO	DESCRIPTION
1 2 3 4 5 6 7 8 8 8 8 8 8 8 8 8 8 8 9 0 11 2	106845X 2276J 2274J 68003 105904X 105905X 2267J 2233J 2232J 2231J 2230J 2229J 2228J 2227J 2226J 105906X 6725J 2228J 2257J 106094X	Housing, Upper Screw, Tapping, $1/4 \cdot 20 \times 1.31$ Lg. Screw, Tapping, $1/4 \cdot 20 \times .875$ Lg Ball, Detent Spring, Detent Screw, Set Ring, Retaining Washer, Plain, $.632 \times 1.00 \times .020$ Washer, Plain, $.632 \times 1.00 \times .020$ Washer, Plain, $.632 \times 1.00 \times .026$ Washer, Plain, $.632 \times 1.00 \times .031$ Washer, Plain, $.632 \times 1.00 \times .036$ Washer, Plain, $.632 \times 1.00 \times .036$ Washer, Plain, $.632 \times 1.00 \times .041$ Washer, Plain, $.632 \times 1.00 \times .046$ Washer, Plain, $.632 \times 1.00 \times .050$ Washer, Plain, $.632 \times 1.00 \times .050$ Washer, Plain, $.632 \times 1.00 \times .060$ Washer, Plain, $.632 \times 1.00 \times .046$ Kasher, Plain, $.632 \times 1.00 \times .046$ Key, Woodruff, No. 9 Assembly, Kit, Input Shaft (Inc's. Key No's. 7, 8, 9, 11, 13, 14, 68 and 2 each Key, No's. 10, 8, 271	37 38 38 38 38 38 38 38 38 38 38 38 38 38	106605X 108983X 105930X 105931X 105932X 3417J 106097X 2264J 106098X 2265J 106586X 106587X 106588X 2263J 105933X 105934X 106589X 106589X 106589X 106589X 106589X 106589X	Gear, Beve', 42T Washer, Piain, .758 x 1.12 x .010 Washer, Plain, .758 x 1.12 x .015 Washer, Plain, .758 x 1.12 x .020 Washer, Plain, .758 x 1.12 x .020 Washer, Plain, .758 x 1.25 x .020 Washer, Plain, .758 x 1.25 x .025 Washer, Plain, .758 x 1.25 x .025 Washer, Plain, .758 x 1.25 x .031 Washer, Plain, .758 x 1.25 x .035 Washer, Plain, .758 x 1.25 x .040 Washer, Plain, .758 x 1.25 x .040 Washer, Plain, .758 x 1.25 x .045 Washer, Plain, .758 x 1.25 x .045 Washer, Plain, .758 x 1.25 x .055 Washer, Plain, .758 x 1.25 x .062 Gear, Spur, 12T Gear, Spur, 20T Gear, Spur, 28T Gear, Spur, 31T Shaft, Drive Washer, Plain, .640 x 1.00 x .060
13 14 15 16 17 18 20 21 22 23 25 26 27 28 20 31 32 33 45 36	106095X 105909X 105910X 105911X 108976X 105913X 105914X 2242J 105915X 2244J 105915X 105917X 105918X 105917X 108977X 108978X 108979X 108979X 108980X 108998X 108955X 108981X 105925X 105927X 3413J 105928X	Key No's. 10 & 37) Pinion Bevel 14T Ring, Retaining Chain, 24 Pitches Bearing, Flange Gear, Spur, 14T Collar, Clutch Key, Clutch Key, Woodruff, No. 3 Shaft, Intermediate Key, Woodruff, No. 61 Ring, Retaining Sprocket, 18T Spacer Gear, Spur, 37T Spacer Gear, Spur, 37T Spacer Gear, Spur, 25T Gear, Spur, 22T Gear, Spur, 22T Gear, Spur, 19T Washer, Plain, 640 x 1.37 x .061 Assembly, Gear, Comb., 12T & 35T Shaft, Idler Washer, Plain, 631 x 1.00 x .010 Sprocket, 9T	46 47 48 50 51 53 55 56 57 59 61 23 45 66 71 27 71 2	2272J 2264J 106590X 106591X 105941X 2268J 2270J 106596X 106593X 108986X 108987X 108987X 108987X 108987X 108989X 108990X 108991X 108991X 108992X 108993X 108994X 108995X 108995X 108995X 106592X 106782X	Seal, Felt Washer, Plain, 758 x 1.25 x .031 Axle, L.H. Gear, Miter, 15T Ring, Retaining Gear, Spur, 32T Shaft, Cross Screw, Tapping, 5/16 - 18 x 1.44 Lg. Axle, R.H. Assembly, Shifter Cap, Support Housing, Lower Puck, Friction Disc, Brake Spacer Assembly, Jaw, Brake Pin, Dowel Lever, Actuating Screw, Tapping, 5/16 - 18 x 1.5 Lg. Spacer, .323 x .563 x 1.00 Lg. Screw, Tapping, 5/16 - 18 x 2.50 Lg. Washer, Plain .321 x 1.00 x .055 Gear, Miter, 15T Bearing, Needle +Input Shaft V-Ring Nut, Lock, 5/16 - 24

*USE IN VARIOUS COMBINATIONS TO MAIN-TAIN PROPER CLEARANCES

+NOT SOLD SEPARATELY-ORDER KEY NO. 12

YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813 ENGINE BRIGGS & STRATTON--MODEL NUMBER 400707, TYPE NUMBER 0111-02 CYLINDER, CRANKSHAFT AND ENGINE BASE GROUP



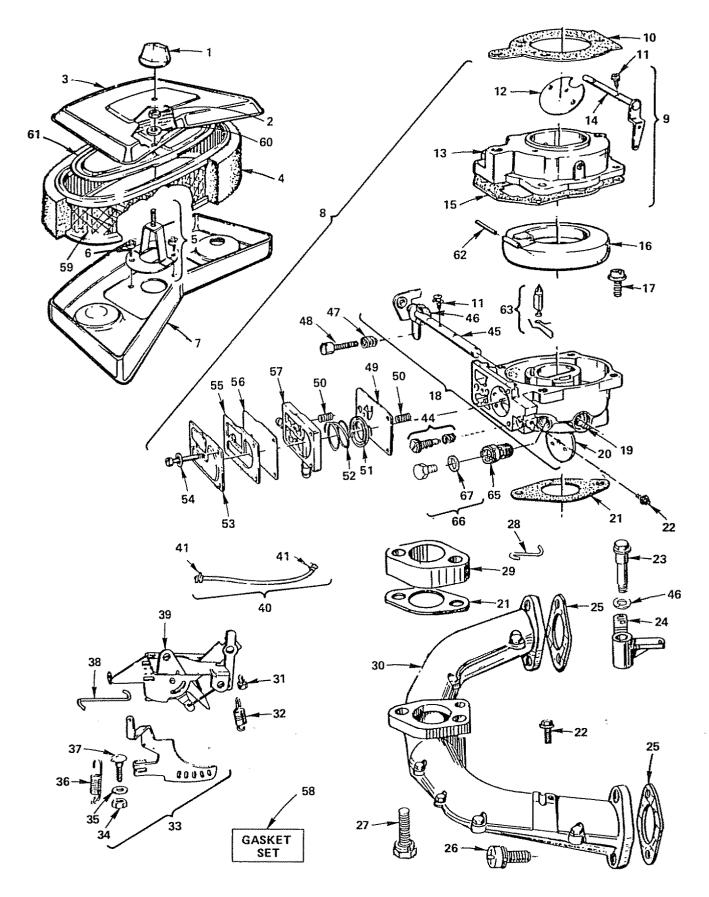
YT 14 TWIN YARD TRACTOR-MODEL NUMBER 917.255813 ENGINE BRIGGS & STRATTON-MODEL NUMBER 400707, TYPE NUMBER 0111-02

CYLINDER, CRANKSHAFT AND ENGINE BASE GROUP

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	90576	Nut - Hex 8 - 32	38	222698	Key - Flywheel
2	280180	Grommet - Insulator	39	93585	Screw - Hex Hd. Sem
3	231174	Terminal	40	93851	Retainer - E-Ring
4	27803	* Gasket - Valve Cover	41	271316	Foam Seal - Governor Shaft
5	92791	Washer - Lock, Shakeproof	42	261560	Upper Bushing - Governor
6	222892	Cover - Breather Cylinder No. 2	43	261559	Lower Bushing - Governor
7	93722	Terminal - Spade	44	394349	Crank - Governor
8	93394	Screw - Sem	45	220863	Washer - Governor Crank (Inside)
9	222912	Baffle - Air	46	394501	Gasket Set
10	93777	Screw - Hex Head (Back Plate to	47	271157	Seal - Filler Tube
		Cylinder)	48	93469	Screw - Hex Head
11	93158	Screw - Sem	49	212337	Gear - Cam
12	393287	Housing - Blower	50	222875	Clamp - Oil Filler
13	93882	Screw - Crankcase Cover Mtg. Sem	51	280224	Tube - Oil Filler
14	270981	* Gasket - Crankcase	52	271170	Seal - Oil Filler Cap
15	222860	Cover Plate - Crankcase	53	394020	Cap and Dipstick - Oil Filler
16	261463	+Seat - Intake Valve	54	394394	Dipstick and Tube Assembly (Inc. Key
17	210940	+Seat - Exhaust Valve			No's. 47, 48, 50, 51, 52 & 53)
18	212462	Head - Cylinder No. 2	55	390419	Valve - Exhaust
19	93111	Screw - Cylinder Head (1- 15/16"	56	261528	Valve - Intake
		Long)	57	231321	Gear - Timing
20	93113	Screw - Cylinder Head (2 - 5/16" Long)	59	26828	Spring - Exhaust Valve
21	93686	Screw - Hex Head (10 - 32 x 5/8)	60	292260	Rotocoil - Exhaust Valve
22	92290	Washer - Lock (No. 10 x 1/16 x 3/64)	61	93630	Retainer - Exhaust Valve Rotocoil
23	393415	Oil Slinger Assembly	62	221596	Retainer - Intake Valve
24	260924	Lock - Piston Pin	63	65906	Spring - Intake Valve
25	394959	Ring Set - Piston (Standard)	64	261368	Tappet - Valve
25	394960	Ring Set - Piston (.010" O.S.)	65	393382	Crankshaft
25	394961	Ring Set - Piston (.020" O.S.)	66	231218	+Guide - Exhaust Valve
25	394962	Ring Set - Piston (.030" O.S.)	67	394941	Cylinder Assembly (Inc. Key No. 68)
26	394955	Piston Assembly (Standard) (Inc. Key	68	230318	Connector - Impulse Pump
		No's. 24 & 25)	69	394539	Plug - Spark (Resistor)
26	394956	Piston Assembly (.010" O.S.)	70	66538	Elbow - Spark Plug
26	394957	Piston Assembly (.020" O.S.)	71	89838	Wrench - Spark Plug
26	394958	Piston Assembly (.030" O.S.)	72	280225	Tube Breather
27	299691	Pin Assembly - Piston (Standard) (Inc.	73	394358	Filter - Fuel (In Fuel Line to
		Key No. 24)		00,000	Tank)
27	391286	Pin Assembly - Piston (.005" O.S.)	74	212461	Head - Cylinder No. 1
28	394348	Gear - Governor	75	270984	* Gasket - Cylinder
29	222773	Washer - Thrust	76	392934	Back Plate Assembly
30	393270	Rod Assembly - Connecting (Inc. Key	77	261623	+Bearing - Cylinder
		No's. 31 & 32)	78	391086	Seal - Oil
		NOTE: FOR CONNECTING ROD	79	298693	Wire - Ground
		WITH .020" UNDERSIZE CRANK-	80	299146	Line - Fuel (Inc. Key No. 81)
		PIN BORE - ORDER NO. 393714	81	93053	Clamp - Fuel Line
31	92909	Screw - Connecting Rod	82	393370	Breather Assembly No. 1
32	220863	Washer	83	223167	Clamp - Fuel Pipe
33	291675	Seal - Oil			with the second second
34	91084	Plug - Oil Drain		*INCLUDE	D IN GASKET SET 394501
35	393552	Base Assembly - Crankcase			
36	270983	* Gasket - Cylinder Head No. 2		+SPECIAL	TOOLS REQUIRED TO INSTALL
37	271142	* Gasket - Crankcase Cover (1/64" thick)		-	
37	271188	* Gasket - Crankcase Cover (.005" thick)			
37	271189	* Gasket - Crankcase Cover (.009" thick)			

YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813 ENGINE BRIGGS & STRATTON--MODEL NUMBER 400707, TYPE NUMBER 0111-02

AIR CLEANER AND CARBURETOR

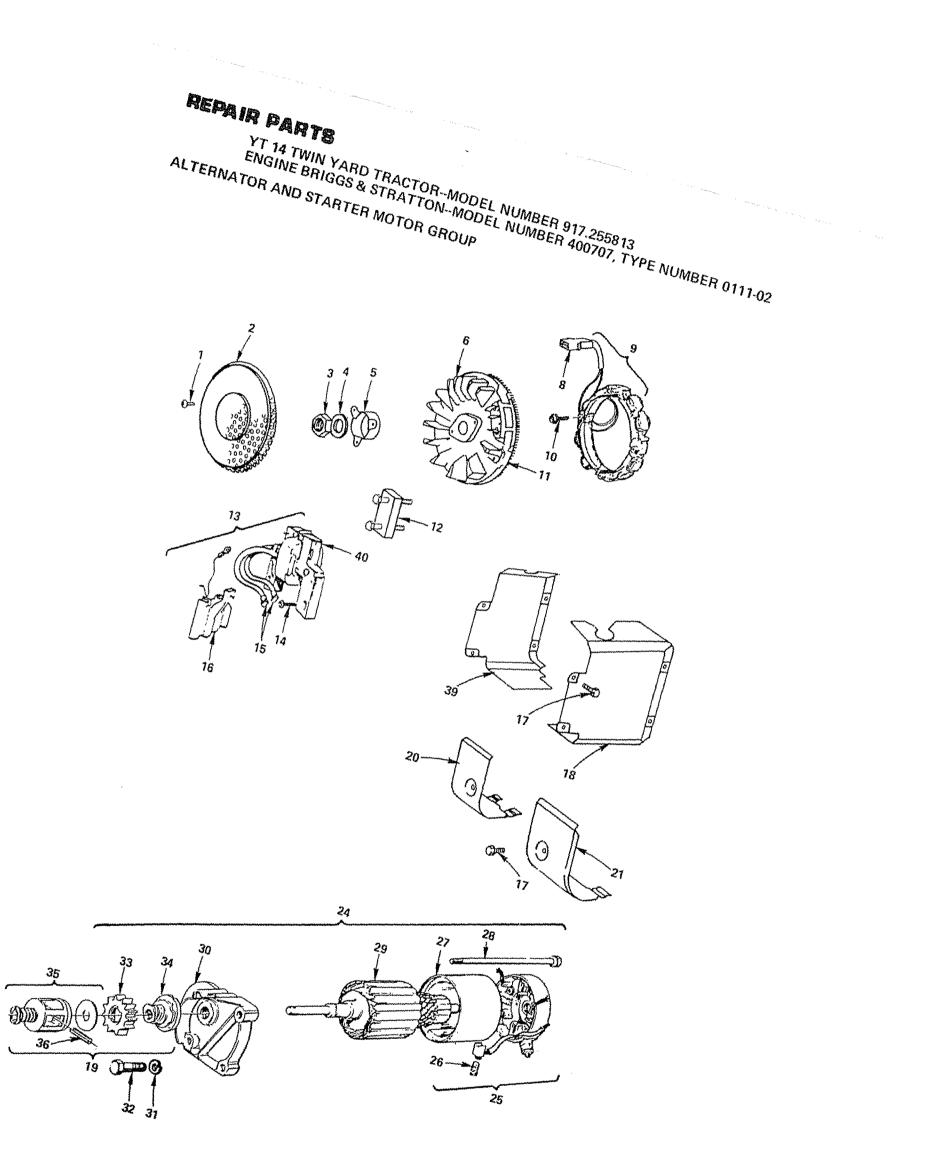


YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813 ENGINE BRIGGS & STRATTON--MODEL NUMBER 400707, TYPE NUMBER 0111-02

AIR CLEANER AND CARBURETOR

KEY NO	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	212292	Knob - Air Cleaner	37	93853	Bolt - Governor Lever
	93715	Nut - Hex	38	261586	Link - Governor
3	223002	Cover - Air Cleaner	39	394538	Plate Assembly - Governor Control
4	271271	Element - Air Cleaner	40	390674	Impulse Line and Clamp Assembly (Inc.
2 3 4 5 6 7	394546	Mounting Strap Assembly - Air Cleaner			Key No. 41)
6	93893	Screw - Hex Head	41	93053	Clamp - Fuel Line
7	222861	Body - Air Cleaner	44	292681	+Valve Assembly - Carburetor Idle
8	398107	Carburetor Assembly (Inc. Key No's.	45	392672	Shaft and Lever - Throttle
		9, 10, 11, 12, 14, 15, 16, 17, 19, 20,	46	271013	+Washer - Choke Shaft
		42, 43, 44, 45, 46, 47, 48, 49, 50, 51,	47	26157	Spring - Throttle Adjustment
		52, 53, 54, 55, 56, 57, 62 & 63)	48	91920	Screw - Machine Fill, Hd. (8 - 32 x
9	398108	Body Assembly - Upper Carburetor			5/8)
		(Inc. Key No's, 11, 12, 14 & 15)	49	270988	x Diaphragm
10	271411	Gasket - Air Cleaner	50	261358	xSpring
11	93499	Screw - Throttle and Choke	51	221377	x Cap - Spring
		Valve Mounting Sem	52	261395	x Spring - Pump
12	222010	Valve - Choke	53	222615	Cover - Diaphragm
14	392673	Shaft and Lever - Choke	54	93829	Screw - Diaphragm Cover
15	271609	+Gasket - Carburetor Body	55	271025	x Gasket - Carburetor Pump
16	298514	Float - Carburetor	56	270989	x Diaphragm - Damping
17	93496	Screw - Hex Head Sem	57	280197	Body - Pump
		(10 - 32 x 5/8)	58	394501	Gasket Set
18	397270	Body - Lower Carburetor (Inc. Key	59	394019	Cartridge - Air Cleaner
		No's. 11, 19, 20, 45 & 46)			NOTE: USE 271197 GASKET BELOW
19	231209	Bushing - Throttle Shaft			CARTRIDGE
20	223370	Valve - Throttle	60	271180	Washer
21	271412	+* Gasket - Carburetor and Intake Elbow	61	222859	Cartridge Plate - Air Cleaner
22	93897	Screw - Sem	62	230896	+Pin - Float Hinge
23	93971	Screw - Hex Head	63	299096	+Valve - Fuel Inlet
24	280320	Crank - Bell	65	231339	[°] Jet - Needle Valve
25	270884	* Gasket - Intake Manifold Mounting	66	397882	Plug & Seal
26	93208	Screw - Intake Manifold Mounting	67	280474	O-Ring Seal
		Sem		393397	Repair Kit - Pump
27	93970	Screw - Hex Head		394502	Overhaul Kit - Carburetor
28	261587	Link - Throttle		M	
29	280319	Spacer - Carburetor			ED IN GASKET SET - PART NO
30	394374	Manifold Assembly - Intake		394501	
31	93158	Screw - Sem			
32	261720	Spring - Governor			ED IN CARBURETOR OVERHAUL KIT -
33	394470	Lever Assembly - Governor (Inc. Key No's. 34, 35 & 37)		PART NO	D. 394502
34	92278	Nut - Hex (10 - 24)			ED IN CARBURETOR OVERHAUL KIT -
35	222289	Washer		PART NO)、394502 AND PUMP REPAIR KIT -
36	261563	Spring - Governor Idle		PART NO). 393397
				°HIGH AL	TITUDE - JET-NEEDLE VALVE

HIGH ALTITUDE - JET-NEEDLE PART NO. 231333



YT 14 TWIN YARD TRACTOR--MODEL NUMBER 917.255813 ENGINE BRIGGS & STRATTON--MODEL NUMBER 400707, TYPE NUMBER 0111-02

ALTERNATOR AND STARTER MOTOR GROUP

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93805	Screw - Sem	18	222849	Cover - Air Guide
2	222673	Screen - Flush Rotating	19	396865	Starter Drive Group (Inc. Key No's, 33,
3	231247	Nut - Hex			34, 35 & 36)
4 5	222511	Washer - Spring	20	222846	Shield - Cylinder
5	222674	Cup - Screen Mounting	21	222847	Shield - Cylinder
6	392956	Flywheel and Ring Gear	24	394808	Motor - Starting (Inc. Key No's. 25, 26,
		Assembly - Magneto			27, 28, 29, 30, 31, 32, 33 & 34)
8	393456	Diode and Connector Assembly	25	395537	Commutator End Cap Assembly
9	393474	Stator - Alternator (Dual Circuit)			Starter
		(Inc. Key No. 8)	26	395538	Brush Set
10	93621	Screw - Sem	27	393825	Housing Assembly
11	391362	Gear - Flywheel Ring (Includes	28	94003	Thru Bolt
		Mounting Parts)	29	392747	Armature Assembly (Motor)
12	19203	Puller - Flywheel (Optional Accessary)	30	394860	Drive End Cap Assembly - Starter
13	394891	Armature Group (Inc. Key No's	31	90366	Lockwasher
		15, 16 & 40)	32	91162	Screw - Hex Head
14	93381	Screw - Armature Mounting Sem			(5/16 - 18 x 1 - 1/2
15	221798	Terminal - Ignition Cable	33	280104	Gear - Starter
16	394970	Trigger Coil Assembly Magnatron	34	391135	Clutch Assembly - Starter
		Ignition	35	393254	Kit Pinion Spring (Inc. Key No. 36)
17	93163	Screw - Sem	36	93754	Roll Pin
			39	222848	Cover - Air Guide
			40	394988	Armature Assembly

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SERVICE NOTES

-4

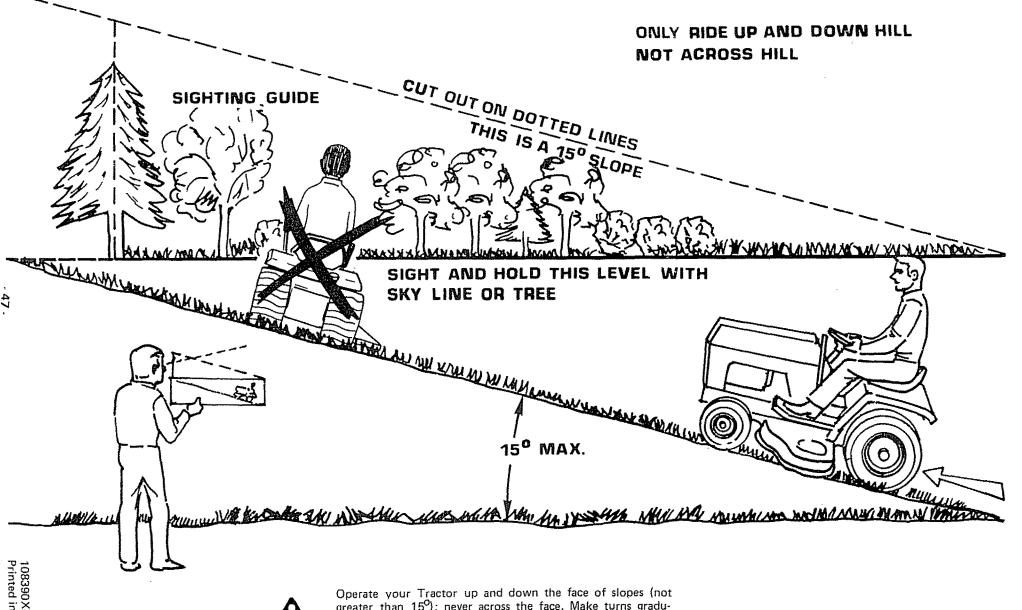
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SERVICE NOTES

SERVICE NOTES

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SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



greater than 15⁰); never across the face. Make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.

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SEARS)
OWNERS MANUAL	

MODEL NO. 917.255813

HOW TO ORDER REPAIR PARTS

YT 14 TWIN 5 SPEED YARD TRACTOR

The Model Number will be found on the Model Plate attached to the Fender. Always mention 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:

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

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