

Sears

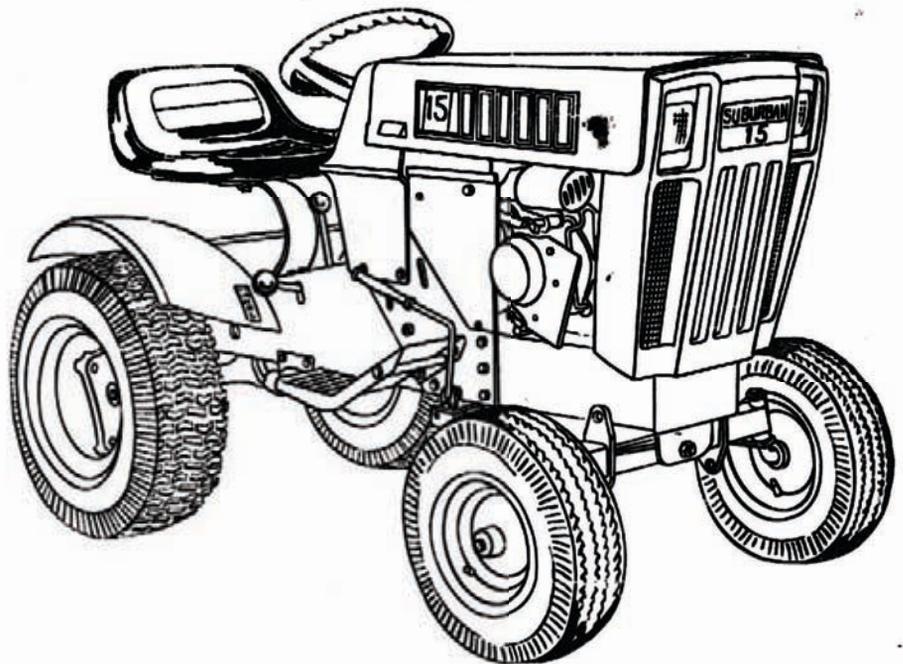
owners manual

**15 H.P.
SUBURBAN TRACTOR**

**MODEL NO.
917.25200**

CAUTION:
**Read Rules for
Safe Operation
and Instructions
Carefully**

- **Assembly**
- **Operating**
- **Maintenance**
- **Repair Parts**



SEARS, ROEBUCK AND CO. U.S.A.

SIMPSONS-SEARS LIMITED, CANADA

Printed in U.S.A.

another free manual from www.searstractormanuals.com

GUARANTEE

Your Tractor is guaranteed for one full year. If any defect in material or workmanship should appear during this time, simply contact our nearest Sears store or service center throughout the United States or Canada. We will make all necessary repairs, including parts and labor, at no charge to you. Tractors equipped with batteries: If battery proves defective and will not hold a charge, in exchange for the battery, we will: During the first 90 days—replace battery at no charge. After 90-days—replace battery, charging customer 1/12th of the price of the new battery for each full month from date of sale.

If the tractor is used for commercial or rental purposes, this guarantee applies for thirty days. Guarantee continued on the inside of the back page.

SEARS, ROEBUCK AND CO. — SIMPSON-SEARS, LTD.

IMPORTANT rules for safe operation

1. Do not allow children to operate TRACTOR. Do not allow adults to operate it without proper instruction.
2. Operator should become fully familiar with all the different sections of this Owners Manual before attempting to operate the TRACTOR. Know the controls and how to stop quickly. Try your TRACTOR in a large flat open space. Learn to start, stop and reverse. Do not start or operate TRACTOR when not in driver's seat.
3. Never allow your hands, any other part of your body, or your clothing near any moving parts or mower discharge chute, while engine is running. Make sure you are wearing work shoes while operating the TRACTOR.
4. Do not carry passengers.
5. When using any attachments, the TRACTOR should never be operated in the vicinity of children, pets or other persons. When using the mower, never direct discharge of material toward bystanders, buildings, fences, etc.
6. Clear work area of objects which might be picked up and thrown.
7. Disengage power to attachment clutches, shift into neutral and disengage clutch before attempting to start engine.
8. Disengage power to attachments, stop engine, remove ignition key and set parking brake before leaving operator position.
9. Disengage power to attachments, stop engine, remove ignition key and set parking brake before making any inspection, repairs or adjustments.
10. Disengage power to attachment when transporting or not in use.
11. Take all possible precautions when leaving vehicle unattended; such as lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key. Keep key in safe place out of reach of children.
12. Do not stop or start suddenly when going uphill or downhill. Operate TRACTOR up and down the face of slopes; never across the face. Never operate TRACTOR on slopes with more than a 15 degree slope.
13. Keep foot brake and parking brake lock in good adjustment.
14. Do not operate the TRACTOR in high gear going downhill, and do not turn sharp corners while going downhill.
15. Do not shift gears while going up steep hills. Choose a low enough gear to climb hill without stopping and shifting gears.
16. Do not shift gears while TRACTOR is moving.
17. Sideways upsets can happen easily especially in ditches. Be alert for holes in terrain and other hidden hazards. Don't drive too close to creeks, ditches and public highways.
18. 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 weight(s) when suggested in the attachment Owners Manual.
19. TRACTOR is not to be operated on any public road, street, highway, sidewalk or alley. Watch out for traffic when crossing or near roadways.
20. Handle gasoline with care-- it is highly flammable.
 - A. Use approved gasoline container.
 - B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline before starting engine.
 - C. Never start or run the TRACTOR indoors as the exhaust from the engine contains carbon monoxide which is a tasteless, odorless, deadly poison.

rules for safe operation (cont.)

21. Keep TRACTOR and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in this Owners Manual.
22. Keep all nuts, bolts and screws tight to be sure equipment is in safe working condition.
23. Never store equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. For long periods of storage, the gasoline tank should be drained and the gasoline discarded in a safe place. Allow engine to cool before storing in any enclosure.
24. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
25. Do not change engine governor settings or overspeed engine. Excessive speed is dangerous and shortens engine life.
26. When using TRACTOR with mowers:
 - A. Mow only in daylight or in good artificial light.
 - B. Never make a cutting height adjustment while engine is running if operator must dismount to do so.
 - C. If mower chute should become clogged, shut engine off, disengage mower and disconnect spark plug before unclogging chute.
 - D. Check blade mounting bolts for proper tightness at frequent intervals.
 - E. Board TRACTOR from left hand side only, away from discharge chute.
27. TRACTOR 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.

reference drawing for assembly and instructions

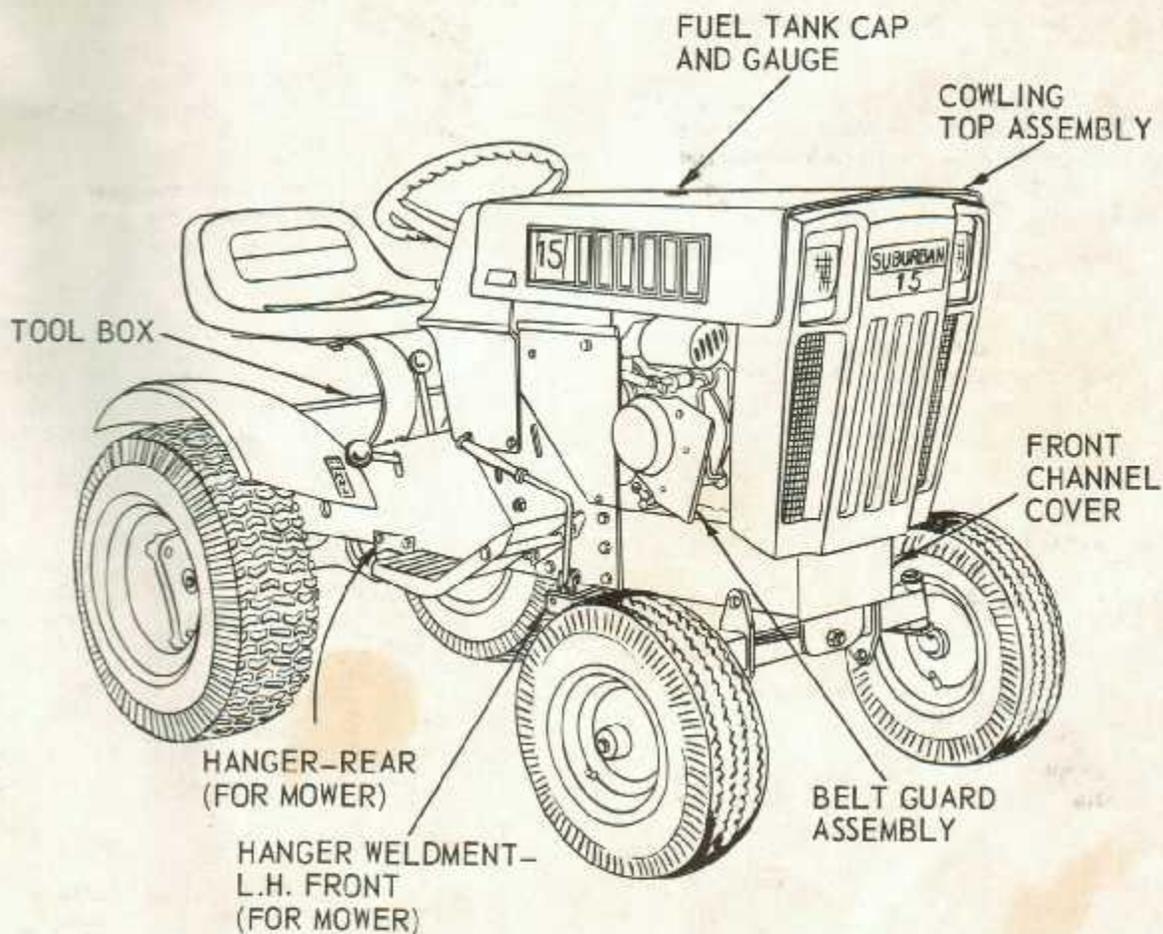


FIG. 1

reference drawing for assembly and instructions (cont.)

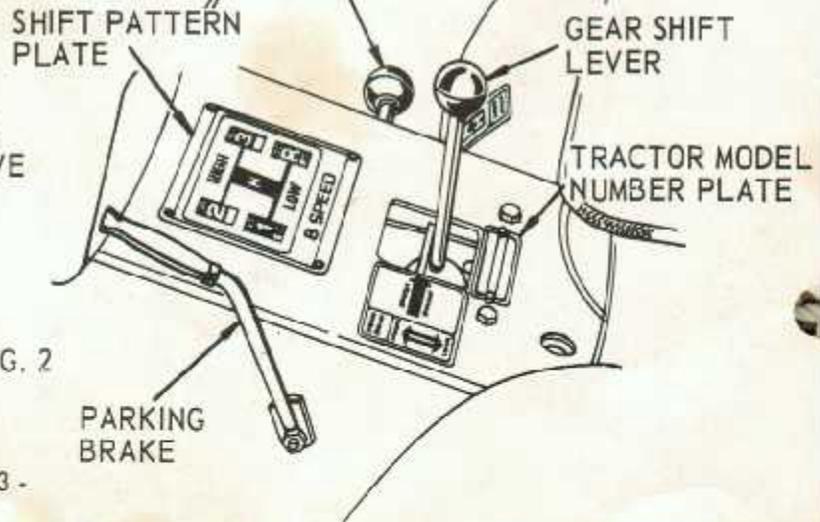
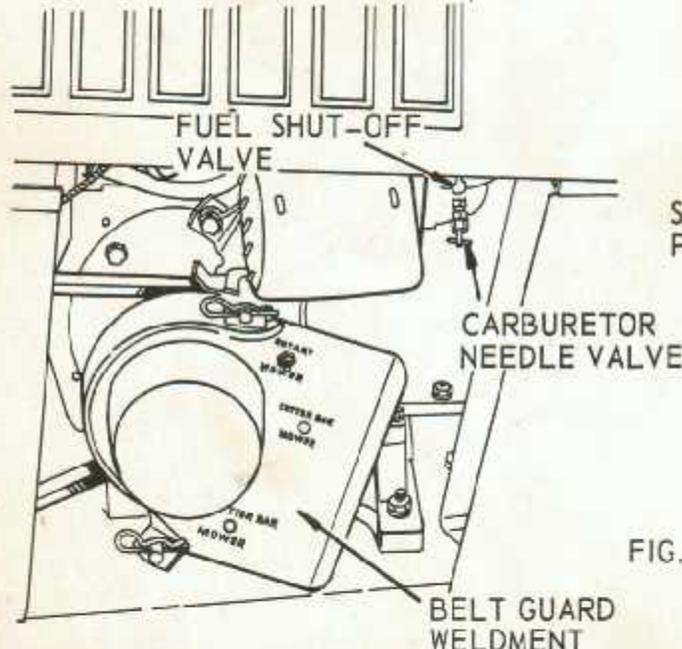
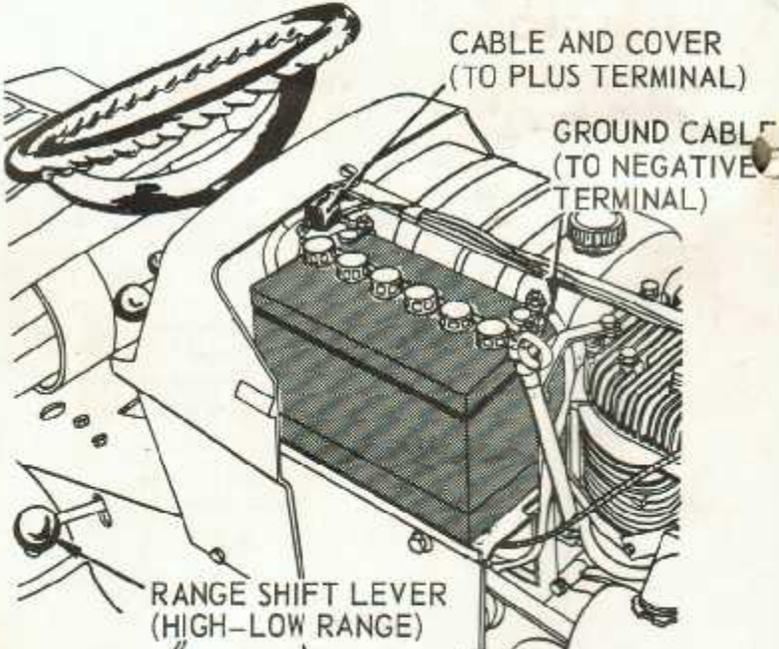
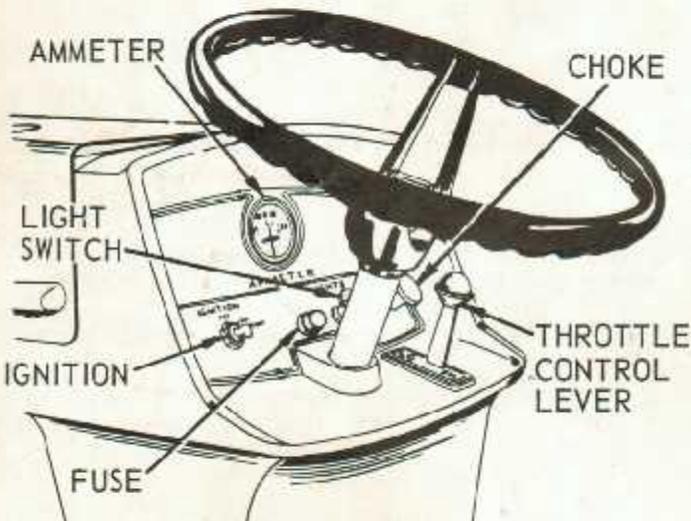
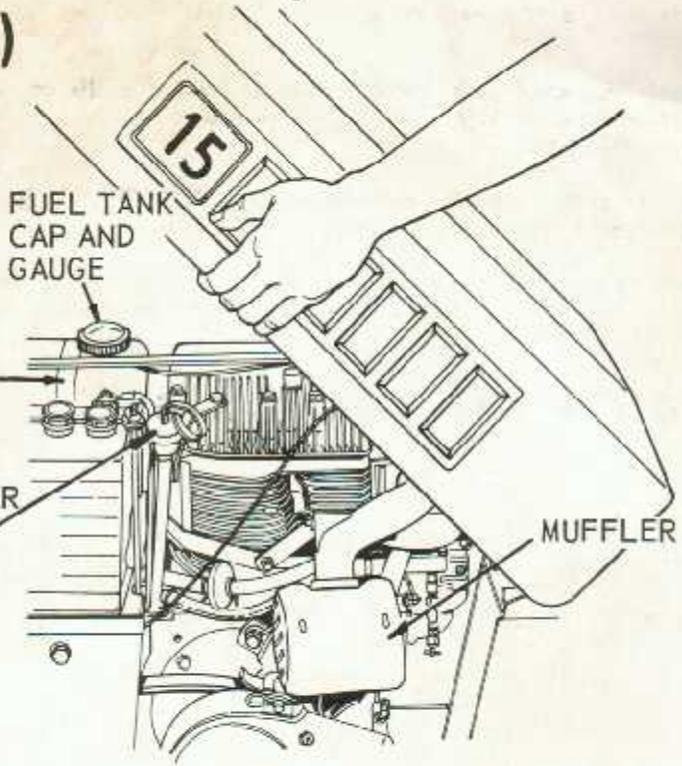
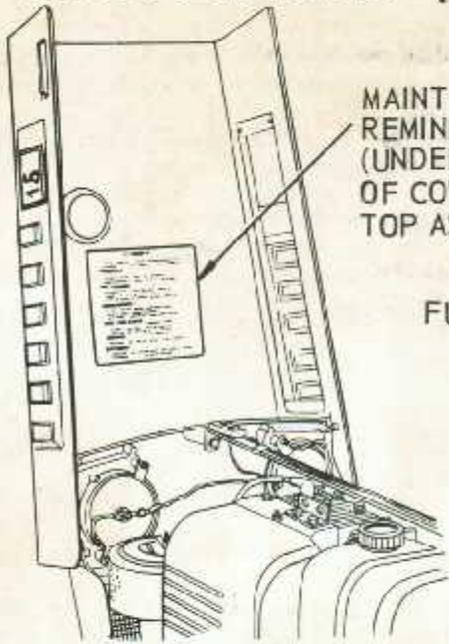


FIG. 2

another free manual from www.seartractormanuals.com

introduction

This Product 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, Roebuck or Simpsons-Sears, Ltd. Store. They have well qualified, competent trained technicians and the proper tools to service or repair this unit.

It is important that the operator ALWAYS OBSERVES THE "RULES FOR SAFE OPERATION" as well as other instructions contained in this Manual.

We have provided this Manual to help you operate your Tractor with utmost efficiency. We urge you to study this Manual so you will understand your new Tractor thoroughly before operating it. We suggest that you take care of your Manual so that it will be available for future reference should you need it.

table of contents

GUARANTEE	1
ASSEMBLY INSTRUCTIONS	4-6
OPERATING INSTRUCTIONS	6-11
MAINTENANCE INSTRUCTIONS	11-19
REPAIR PARTS	21-34

assembly

A letter in parentheses in the following instructions refers to an arrow in the adjoining Figure (illustration), except when otherwise stated. When R.H. (Right Hand) or L.H. (Left Hand) is used, it should be understood to mean as if one were seated on the tractor seat facing forward.

1. Remove carton from around Tractor and remove battery. Cut banding holding Tractor to bottom of crate.
2. Your Tractor has been completely assembled at the factory except, to fill, charge and install the battery. The battery was shipped dry. Instructions are given on pages 5 and 6 for filling, charging and installation.
3. Your Tractor was lubricated at the factory however, we suggest you follow the Lube Chart on page 13, before operation.
4. Tires were over-inflated for shipping purposes. Reduce air pressure to 10 to 12 lbs. in front tires and 8 lbs. in rear tires. This will improve traction and give you the comfortable ride you will want.
5. A plastic bag of parts was shipped with your Tractor and should be opened at this time. It will contain the following items:

- 1 - Battery Clamp
- 2 - Wing Nuts
- 2 - Battery Bolts
- 2 - Flat Washers

(These items hold battery in position on Tractor. They are used in steps 2 and 4, pages 5 and 6).

- 2 - Hex Nuts
(They secure ground cable and positive cable and cover to battery. They are used in steps 5 and 6, page 6).
- 2 - Ignition Keys
(We suggest one key be removed from the wire ring and kept in a safe place. Position the second key in the Tractor ignition).

STUDY

OWNER'S MANUAL ...



Safety 1st

assembly (cont.)

fill and charge battery

CAUTION: DO NOT ASSEMBLE BATTERY TO TRACTOR UNTIL BATTERY HAS BEEN FILLED AND CHARGED.

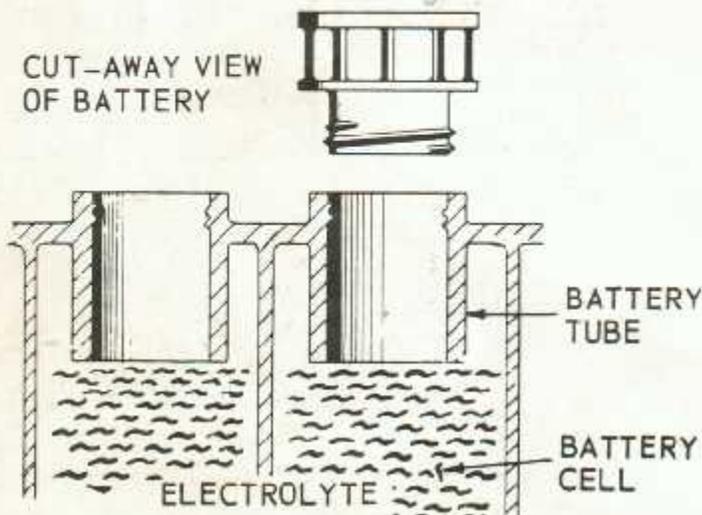
1. Fill battery with electrolyte and charge battery as outlined in instructions in battery container. NOTE: After filling cells, let battery stand for thirty minutes. Then charge battery at a rate not exceeding three (3) amperes for about 2½ hours.

FILL BATTERY AS SHOWN

WARNING DO NOT OVERFILL--
CORRECT LEVEL IS
BOTTOM OF TUBES IN CELLS . .



CUT-AWAY VIEW
OF BATTERY



READ CAREFULLY ALL SETTING-UP, OPERATING AND MAINTENANCE INSTRUCTIONS IN THIS MANUAL. YOU WILL FIND MANY HELPFUL POINTERS WHICH WILL NOT ONLY SAVE YOU TIME BUT WILL HELP OPERATE THE TRACTOR MOST EFFICIENTLY.

battery installation

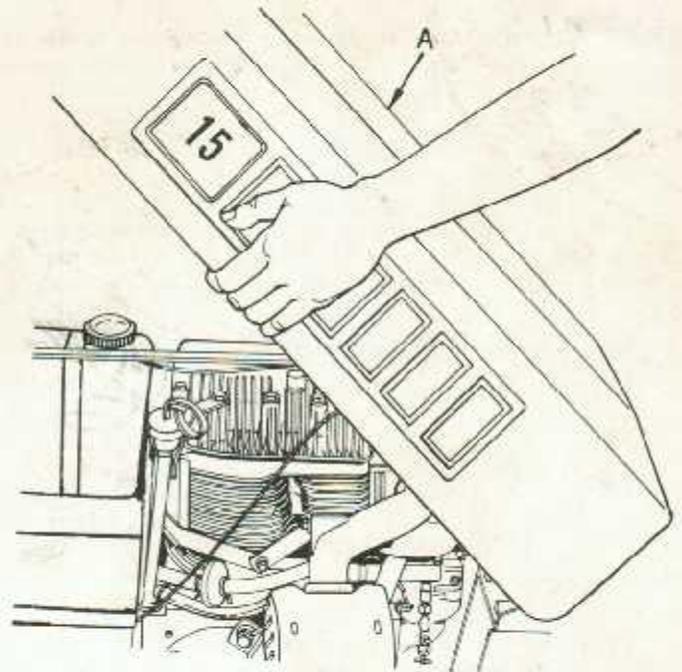


FIG. 3

1. To lift cowling top assembly (A), grasp each side of cowling at rear and pull outward and upward. Lift cowling to its extreme forward position.

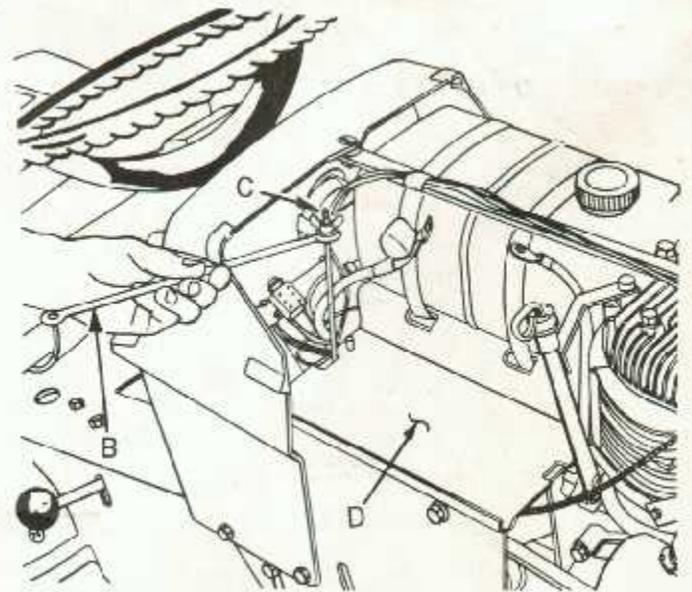


FIG. 4

2. Assemble clamp (B), to one of two battery bolts (C). Flat washer and wing nut above clamp as shown. Hook the bolt into rear of battery support (D), turn clamp to the side as shown to allow positioning of battery. Battery installation continued on page 5.

assembly (cont.) battery installation (cont.)

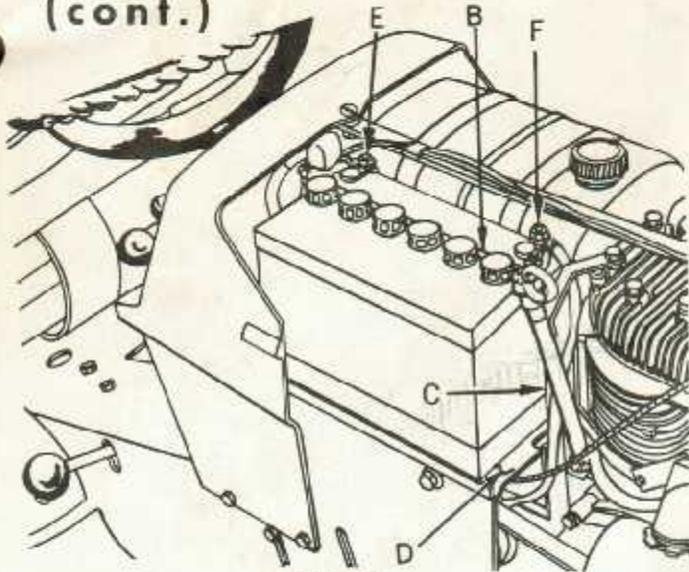


FIG. 5

- Slide battery into position as shown, with terminals to center of Tractor.
- Hook the battery bolt (C), into the front of the battery support (D). Assemble clamp (B), to bolt (C), with the remaining washer and wing nut. Tighten both wing nuts securely.
- Connect cable and cover (E, red cover), to plus (+) terminal. Tighten nut securely. Press cable cover (black) down over terminal.
- Connect ground cable (F, black cover), to negative (-) terminal. Tighten nut securely.

seat position

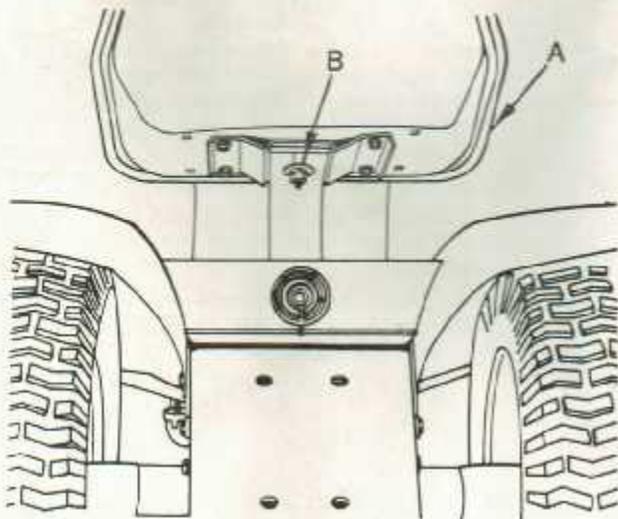


FIG. 6

- The seat (A), may be moved towards the front or rear to give the most comfortable and safe operating position. To move the seat, loosen the nut (B), beneath the seat and seat spring and slide the seat to the position desired. Tighten the nut, making sure that the seat plate has not twisted out of alignment with the seat spring.

instructions before operating



STUDY RULES FOR
SAFE OPERATION...

BEFORE STARTING THE ENGINE, become thoroughly familiar with the Rules for Safe Operation, listed on pages 1 and 2, and with the operating controls before starting the engine. **KNOW THE CONTROLS AND HOW TO STOP QUICKLY.**

controls

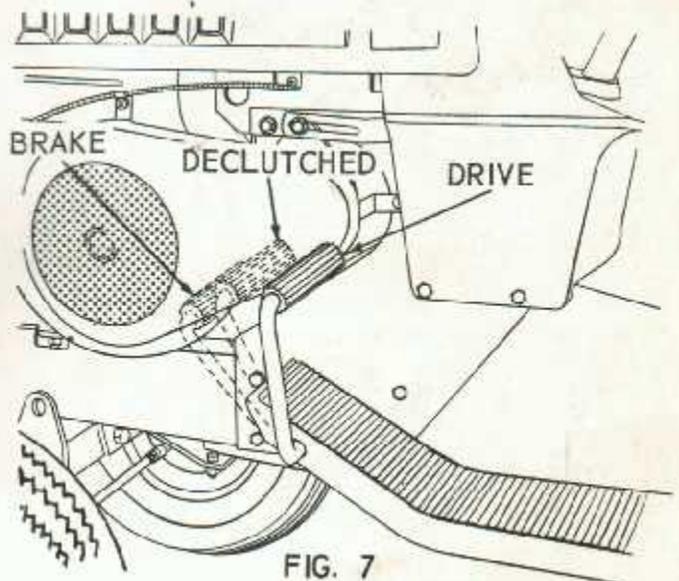


FIG. 7

The following controls are used to operate the Tractor:

- Clutch and brake foot pedal is located on the left side foot rest. The foot pedal operates a combination brake and drive clutch. There are three positions of operation on the foot pedal.
 - The clutch is in **DRIVE** position when the pedal is all the way out (i.e. when the foot is removed from the pedal).
 - The clutch is in the **DECLUTCHED** position when the pedal is depressed half way or more.
 - The **BRAKE** is on when the pedal is pressed all the way forward.

assembly (cont.) battery installation (cont.)

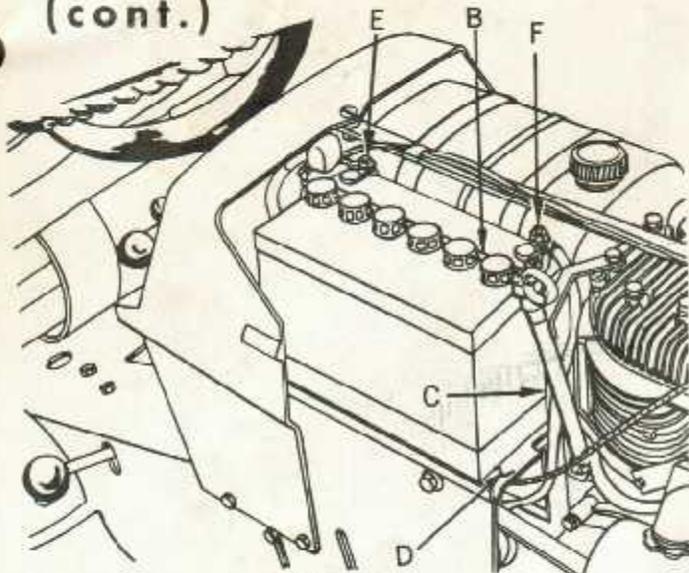


FIG. 5

- Slide battery into position as shown, with terminals to center of Tractor.
- Hook the battery bolt (C), into the front of the battery support (D). Assemble clamp (B), to bolt (C), with the remaining washer and wing nut. Tighten both wing nuts securely.
- Connect cable and cover (E, red cover), to plus (+) terminal. Tighten nut securely. Press cable cover (black) down over terminal.
- Connect ground cable (F, black cover), to negative (-) terminal. Tighten nut securely.

seat position

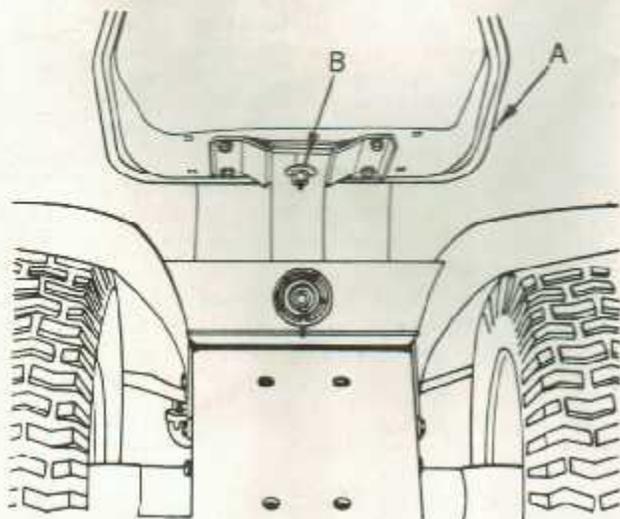


FIG. 6

- The seat (A), may be moved towards the front or rear to give the most comfortable and safe operating position. To move the seat, loosen the nut (B), beneath the seat and seat spring and slide the seat to the position desired. Tighten the nut, making sure that the seat plate has not twisted out of alignment with the seat spring.

instructions before operating



STUDY RULES FOR
SAFE OPERATION...

BEFORE STARTING THE ENGINE, become thoroughly familiar with the Rules for Safe Operation, listed on pages 1 and 2, and with the operating controls before starting the engine. **KNOW THE CONTROLS AND HOW TO STOP QUICKLY.**

controls

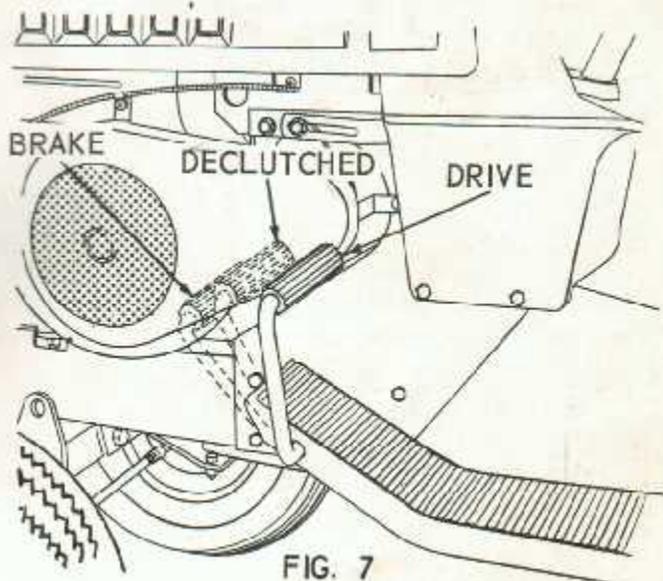


FIG. 7

The following controls are used to operate the Tractor:

- Clutch and brake foot pedal is located on the left side foot rest. The foot pedal operates a combination brake and drive clutch. There are three positions of operation on the foot pedal.
 - The clutch is in **DRIVE** position when the pedal is all the way out (i.e. when the foot is removed from the pedal).
 - The clutch is in the **DECLUTCHED** position when the pedal is depressed half way or more.
 - The **BRAKE** is on when the pedal is pressed all the way forward.

instructions before operating (cont.)

controls (cont.)

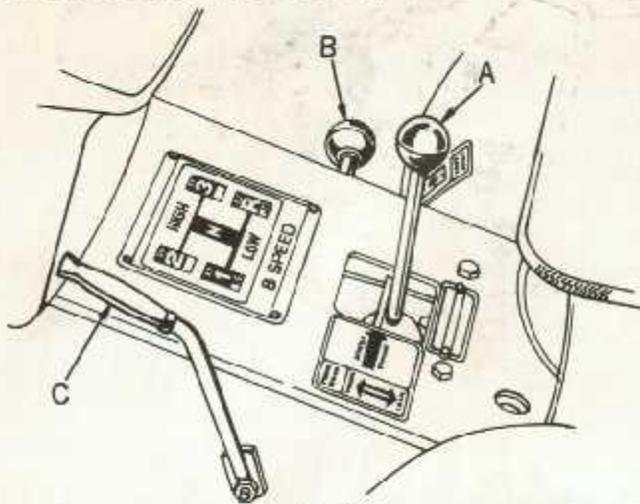


FIG. 8

2. The transaxle (transmission) gear shift lever (A), is located at front, center of seat.
3. The high-low range (B), is located on R.H. frame side just forward of R.H. rear fender. The high-low range lever has 3 positions, up for high-range, center for neutral, and down for low range. There are two neutral positions in transmission, one on the gear shift lever, and one on the high-low range lever. Both levers must be engaged for Tractor to operate. NOTE: A safety feature has been incorporated on the gear shift lever. This lever must be in neutral (directly inline with the arrow on the decal located on left, top side of chassis assembly), before Tractor will start. Place high-low range lever in neutral for easier pushing of Tractor or when Tractor is being towed.
4. To engage park brake (C), push foot pedal all the way down, pull backward on park brake lever and release foot pedal. Push lever forward to release brake.

ALWAYS COME TO A FULL STOP BEFORE SHIFTING GEARS...



fuel and lubricant

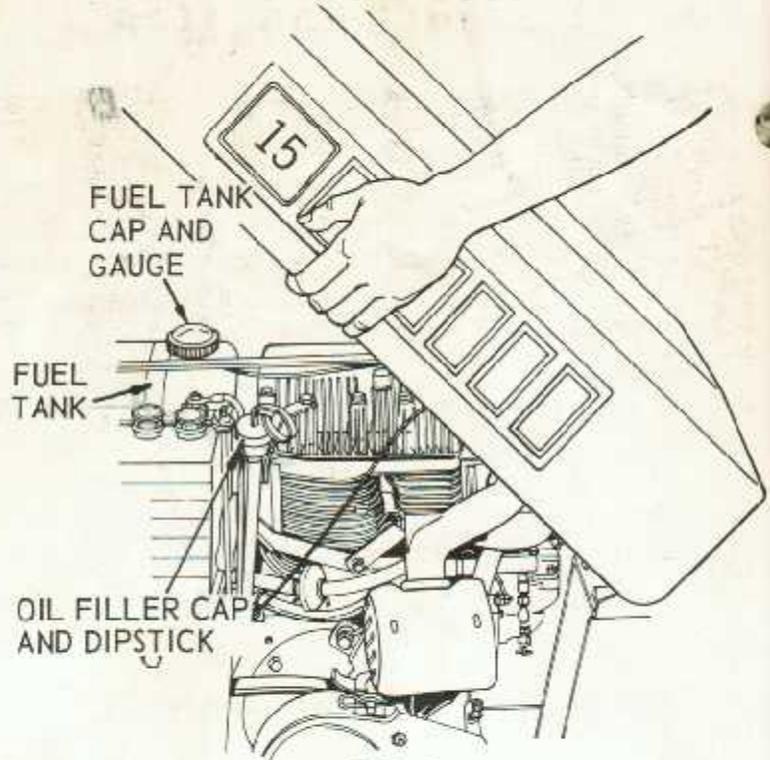


FIG. 9

5. To lift cowling top assembly, grasp each side of cowling at rear and pull outward and upward. Lift cowling to its extreme position.
6. Engine crankcase is shipped with oil ready for use. However, remove oil filler cap and dipstick and check oil level before starting. If necessary, add oil to bring oil level up to the full mark on the dipstick. When checking oil level, push dipstick assembly firmly but slowly until cap bottoms on tube. Do not overfill. Tractor should be level. Use Allstate MS SAE 30 detergent oil or equivalent for summer use. For winter use, below (32°), use Allstate multi-grade detergent oil MS SAE 10W-30, 10W-40 or equivalent. Nothing should be added to the recommended oil. Make sure the oil used is a high quality detergent oil classified "for service MS". For extreme cold, (below 0° F), use MS SAE 5W-20. Dipstick assembly must be pushed fully into tube at all times when engine is operating.
7. Fill fuel tank with a good grade of fresh, CLEAN, regular gasoline. Wipe off all spilled fuel and oil. Do not mix oil with gasoline.

DO NOT FILL GASOLINE TANK WHILE ENGINE IS RUNNING. AVOID SPILLING GASOLINE ON A HOT ENGINE--THIS MAY CAUSE AN EXPLOSION AND SERIOUS INJURY. DO NOT MIX OIL WITH GASOLINE. USE CLEAN, FRESH "REGULAR" GRADE GASOLINE. FILL TANK COMPLETELY.

Operating Instructions

how to start and stop

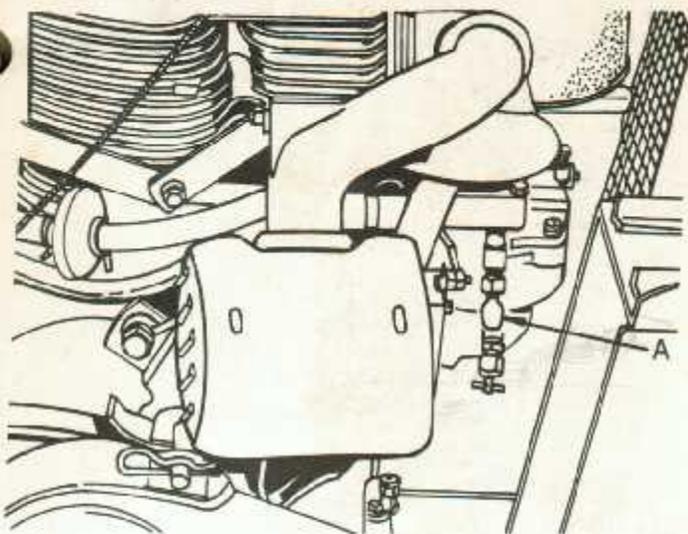


FIG. 10

1. Open fuel tank shut-off valve (A). Close shut-off valve after each days use.
2. CAUTION: Before starting the engine, check to be sure that controls are as follows:
 - a. Transaxle (transmission) gear shift lever (A, Fig. 8), is in NEUTRAL. NOTE: A safety feature has been incorporated on the gear shift lever. This lever must be in neutral (directly inline with the arrow on the decal located on left, top side of chassis assembly), before Tractor will start.
 - b. A second safety feature of your Tractor is that the mower blade clutch handle assembly (B, Fig. 11), must be in the "out" position before Tractor will start.

NOTE: If blade clutch handle assembly (B, Fig. 11), interferes with attachment to be used, remove handle. CAUTION: First move handle to "out" position, then remove nut and handle. Save for use with mower.

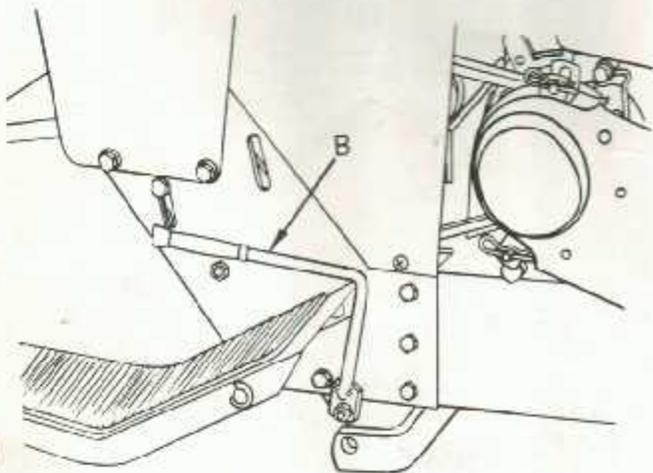


FIG. 11

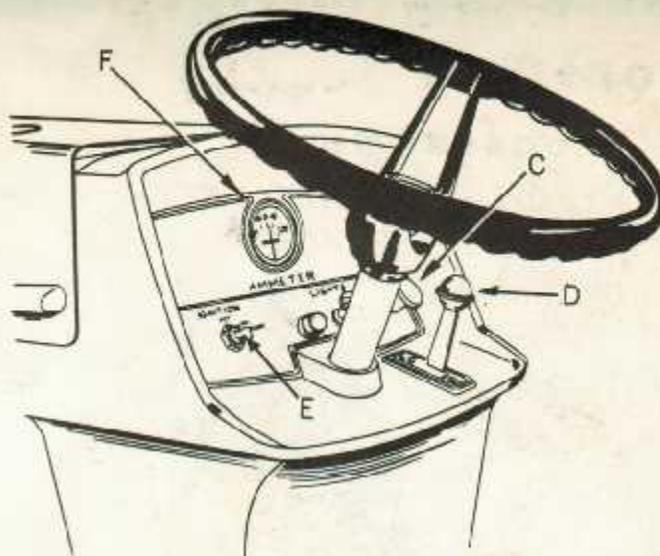


FIG. 12

3. Depress clutch-brake pedal to declutched position, refer to Fig. 7.
4. Pull out choke control (C), to full choke position to start in cold weather or if Tractor has not been operated for some time.
5. Advance throttle lever (D), to about $\frac{1}{2}$ throttle.
6. Turn ignition key (E), clockwise to "start" position. After engine starts, release key. Push in choke control (C), as engine warms up. Let engine warm up before applying load.

CAUTION: Do not run starter continuously for more than 30 seconds at a time. If after several attempts, engine does not start, move throttle control lever (D), to FAST position. Wait for two minutes and try again.

7. Ammeter (F), indicates rate of battery charge or discharge when ignition is on.
8. To stop engine, turn key (E), in a counter-clockwise direction to "off" position. Key should be removed so children can not start tractor.

STORE YOUR TRACTOR IN A DRY AND PROTECTED PLACE. LEAVING YOUR TRACTOR OUTDOORS, EXPOSED TO THE ELEMENTS, WILL RESULT IN MATERIALLY SHORTENING ITS LIFE.

FILL THE FUEL TANK WITH CLEAN, FRESH, REGULAR GRADE GASOLINE, PREFERABLY AT THE END OF EACH DAY'S USE. THIS WILL FORCE OUT ANY MOISTURE LADEN AIR AND PREVENT CONDENSATION IN THE FUEL TANK. DO NOT MIX OIL WITH THE GASOLINE.

operating instructions (cont.)

safe operating

REMOVE THE IGNITION KEY—
KEEP OUT OF REACH
OF CHILDREN!



1. Try your Tractor in a large, open space. Learn to start, stop and reverse.
2. Start the engine and put the throttle lever at about $\frac{1}{2}$ throttle. Push down on foot pedal, move gear shift lever and range shift lever to speed desired. Release foot pedal slowly, and Tractor will start to move. After foot pedal is fully released (clutch engaged), move throttle lever to fast position. If ground travel is too fast, depress foot pedal, stop Tractor, then shift to a slower ground travel speed. Always select a ground travel speed that will suit attachment being used and not overload the engine.
3. Do not shift gears while Tractor is moving.
4. To stop Tractor, push foot pedal all the way down, move gear shift lever to neutral, set parking brake lock and release foot pedal. Always check to make sure brake lock will hold Tractor secure. Disengage power to attachment. Shut-off and remove key from switch. This will prevent unauthorized operation. Keep key in a safe place out of reach of children. Never leave engine running with Tractor unattended.
5. Do not operate the Tractor in high gear going down hill, and do not turn sharp corners while going down hill. If it is necessary to stop Tractor while going down hill, do so quickly to prevent Tractor from picking up speed during the declutching to brake position.

NOTE: The engine produces considerable braking action when throttle back to idling speed without declutching, and this procedure is recommended before applying brake.

KEEP MOWING AREA CLEAR- ADULTS-
PETS-
CHILDREN..



6. Do not shift gears while going up steep hills. Choose a low enough gear to climb hill without stopping and shifting gears. If it is necessary to stop while going up hill, do so quickly to prevent Tractor rolling backward. Before starting Tractor in motion going uphill, use one of the lowest gears, reduce engine speed and engage clutch gradually to prevent Tractor from "rearing up".

DO NOT OPERATE TRACTOR ACROSS SLOPES.
DO NOT OPERATE TRACTOR UP OR DOWN
SLOPES WITH MORE THAN A 15 DEGREE SLOPE.

7. Upsets can happen easily in ditches. Stay alert for holes or other yard hazards.
8. If tractor becomes mired in a hole, try to back out rather than driving forward.



operating instructions (cont.)

safe operating (cont.)

ON ROUGH GROUND~TAKE IT
SLOW!



LOOK
BEFORE
BACKING...



towing tractor

1. Place gear shift lever and range shift lever in neutral position. Tractor can then be towed at a reasonable safe speed not faster than 6 miles per hour.

engine pulley grooves to use for your various attachments

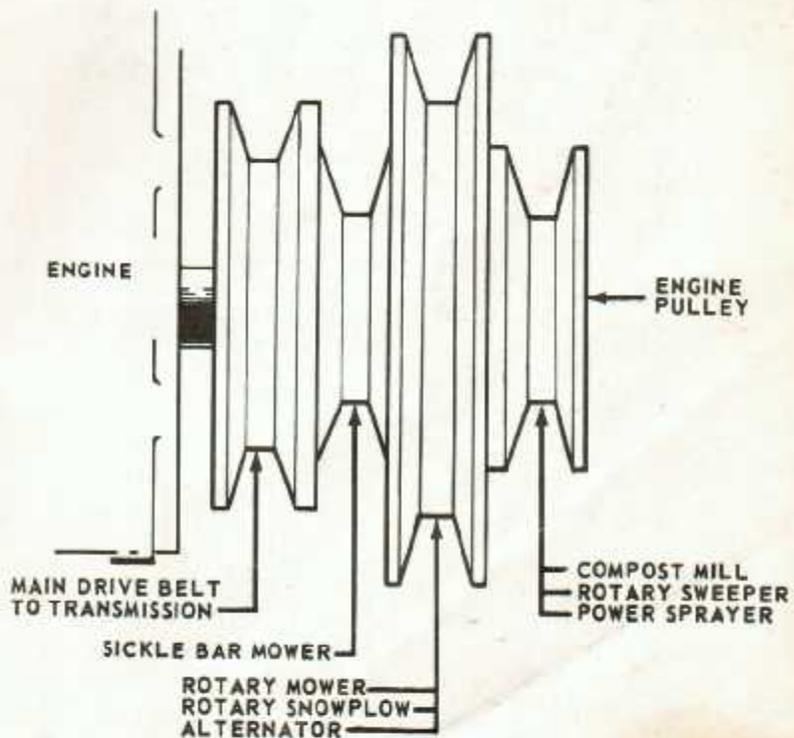


FIG. 13

CLEAR THE AREA OF RUBBISH
BEFORE
MOWING!



CLEAR WORK AREA OF OBJECTS WHICH
MIGHT BE PICKED UP AND THROWN.

weights (optional equipment)

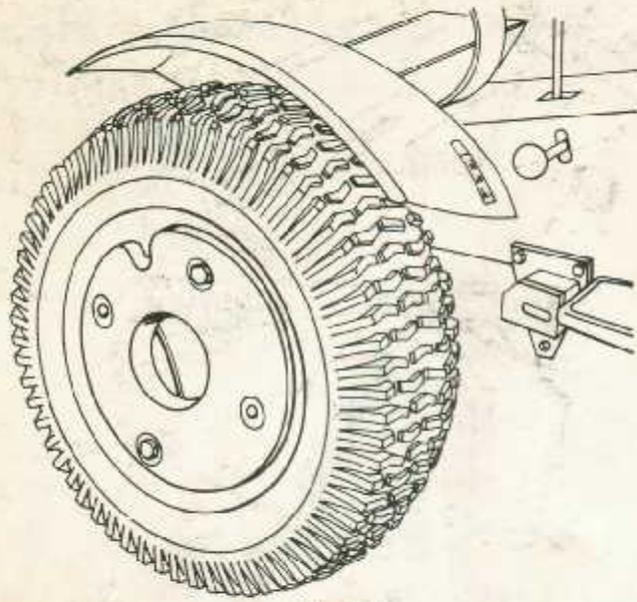


FIG. 14

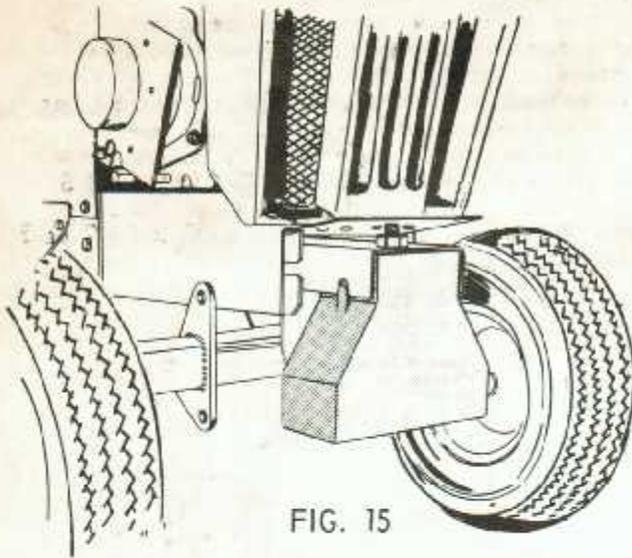


FIG. 15

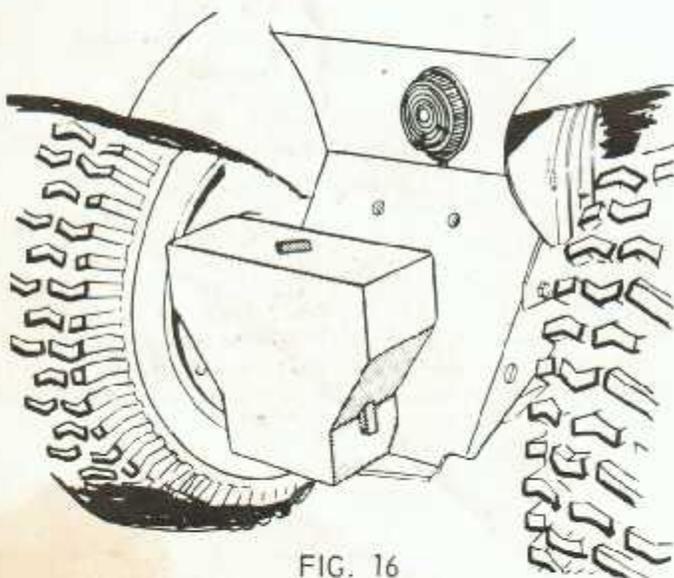


FIG. 16

Rear wheel weights (Fig. 14), are very essential for added traction. This is especially true for attachments such as the plow, disc harrow, leveler-blade, rotary snowplow, bulldozer, etc. Front or rear end weight (Fig's 15 and 16), will act as a counterweight for heavy front or rear loads or attachments. Especially helpful with rotary snowplow.

maintenance

starter air screens

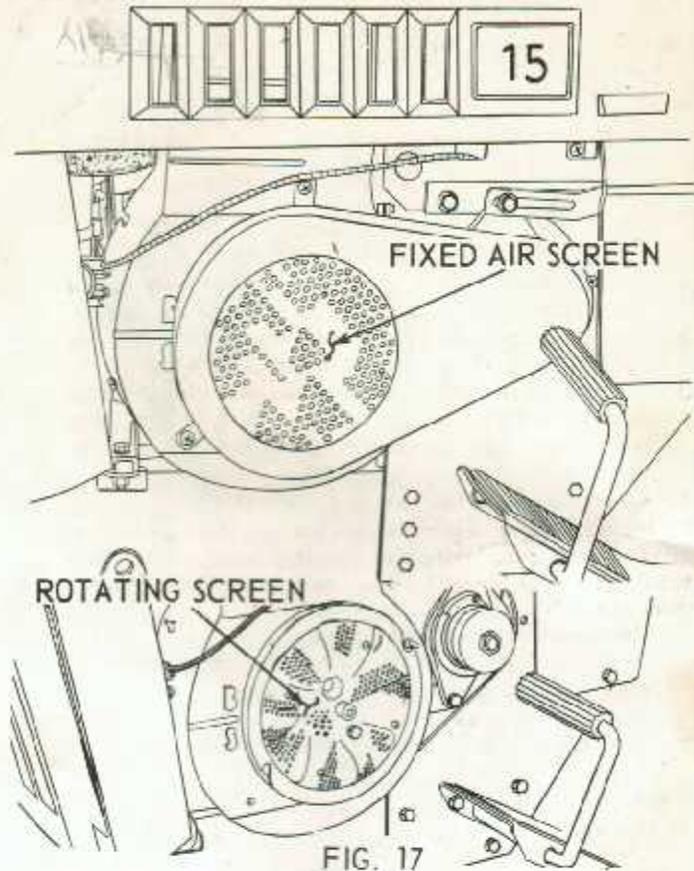


FIG. 17

The starter fixed air screen and the starter rotating screen (located on engine directly behind the starter air screen), are designed to keep grass, chaff and large leaves from entering the cooling system and must be cleaned periodically. The cleaning of the screens will vary with the conditions in which the tractor is used. They should not be allowed to become plugged or dirty which would interfere with the cooling of the engine. Remove the fixed air screen, clean it and the rotating screen regularly.

THIS TRACTOR HAS AN AIR COOLED ENGINE. AIR MUST BE ABLE TO CIRCULATE FREELY AROUND THE ENGINE, THROUGH THE STARTER SCREEN AND AIR CLEANER, AND OVER THE FINS OF THE CYLINDER BLOCK. KEEP THESE AREAS FREE OF ACCUMULATED DIRT AND TRASH OR THE ENGINE WILL OVERHEAT AND RESULT IN DAMAGE TO MOVING PARTS.

maintenance (cont.) air cleaner

Your engine is equipped with a dual type air cleaner. A dry type inner filter and a foam sleeve pre-cleaner. The foam sleeve should be periodically removed and cleaned (at least every 25 hours of operation and more frequently under extremely dusty conditions), to maintain maximum engine performance.

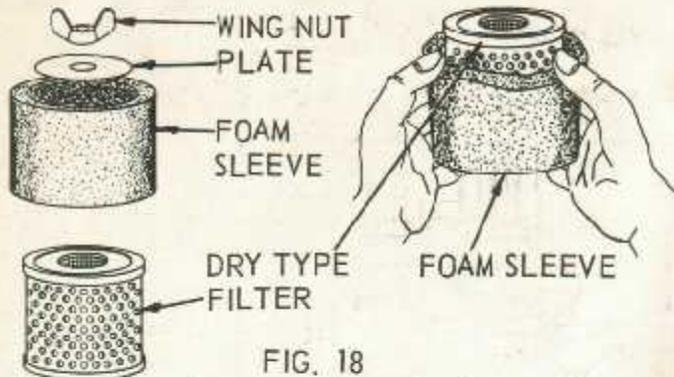


FIG. 18

1. Remove foam sleeve pre-cleaner (no disassembly necessary), and wash in water and detergent.
2. Remove excess water by squeezing as a sponge and allow pre-cleaner to dry thoroughly.
3. Coat pre-cleaner with one ounce (about three tablespoons) of SAE 30 engine oil. Knead into pre-cleaner to spread. Wring excess oil from pre-cleaner.
4. Re-install foam sleeve pre-cleaner.

Under extremely dirty conditions or if engine runs erratic after completing the above procedure, the dry type inner filter must be replaced. It is recommended that inner filter be replaced yearly.

1. Remove wing nut and plate.
2. Separate dry type inner paper filter from the foam sleeve pre-cleaner.
3. Replace dry type inner paper filter.
4. Re-assemble parts as shown. Be sure to tighten wing nut securely.

NEVER RUN YOUR ENGINE WITHOUT AIR CLEANER COMPLETELY ASSEMBLED.

clean cooling system

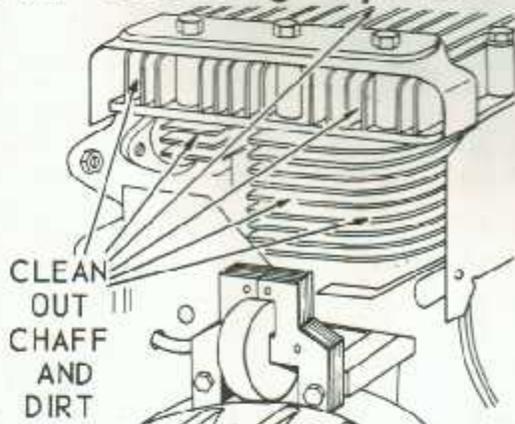


FIG. 19

1. Grass or chaff may clog cooling system after prolonged service in cutting dry grasses or hay. Continued operation with a clogged cooling system causes severe overheating and possible engine damage. Remove blower housing and clean regularly.

engine lubrication

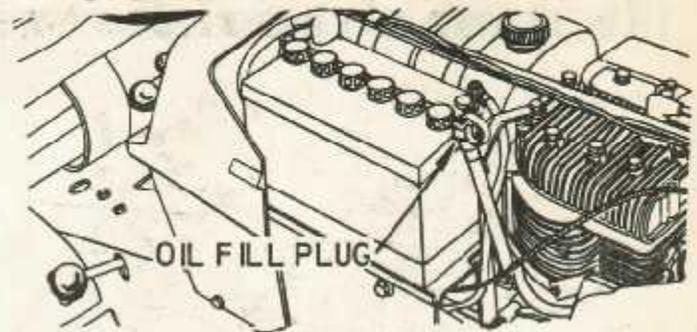


FIG. 20

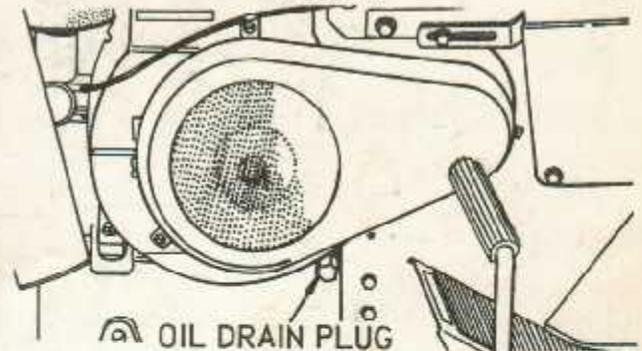


FIG. 21

1. Change oil in engine crankcase after first 5 hours of operation. Engine should be warm when oil is changed.
2. To drain oil, unscrew oil drain plug at lower L. H. side of engine. Catch oil in suitable container.
3. Refill engine crankcase with oil as instructed under "Fuel and Lubricant", page 7. Capacity 4 pints. Check oil level after each 5 hours of operation and add oil, if necessary, to bring to correct level on dipstick.
4. After first oil change, oil should be changed after each 25 hours of operation.

transaxle (transmission) lubrication

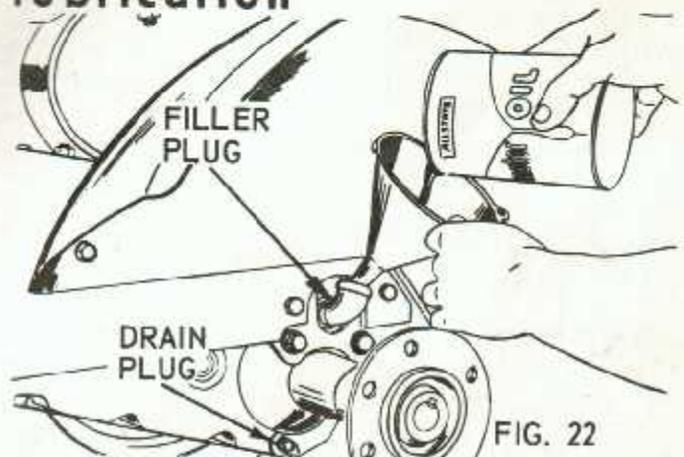


FIG. 22

Rear wheel is removed for illustrating.

1. Check oil in transaxle (transmission), every 50 hours of operation. To check oil level, remove filler plug from transaxle (transmission). Oil level should be even with this plug.
2. Change oil in transaxle (transmission), after 500 hours of operation. To drain, remove drain plug and catch in suitable container.
3. To fill transaxle (transmission), use 5 quarts of Allstate SAE 30 motor oil for service MM or MS or equivalent. Fill through filler plug as shown.

maintenance (cont.)

lubrication chart

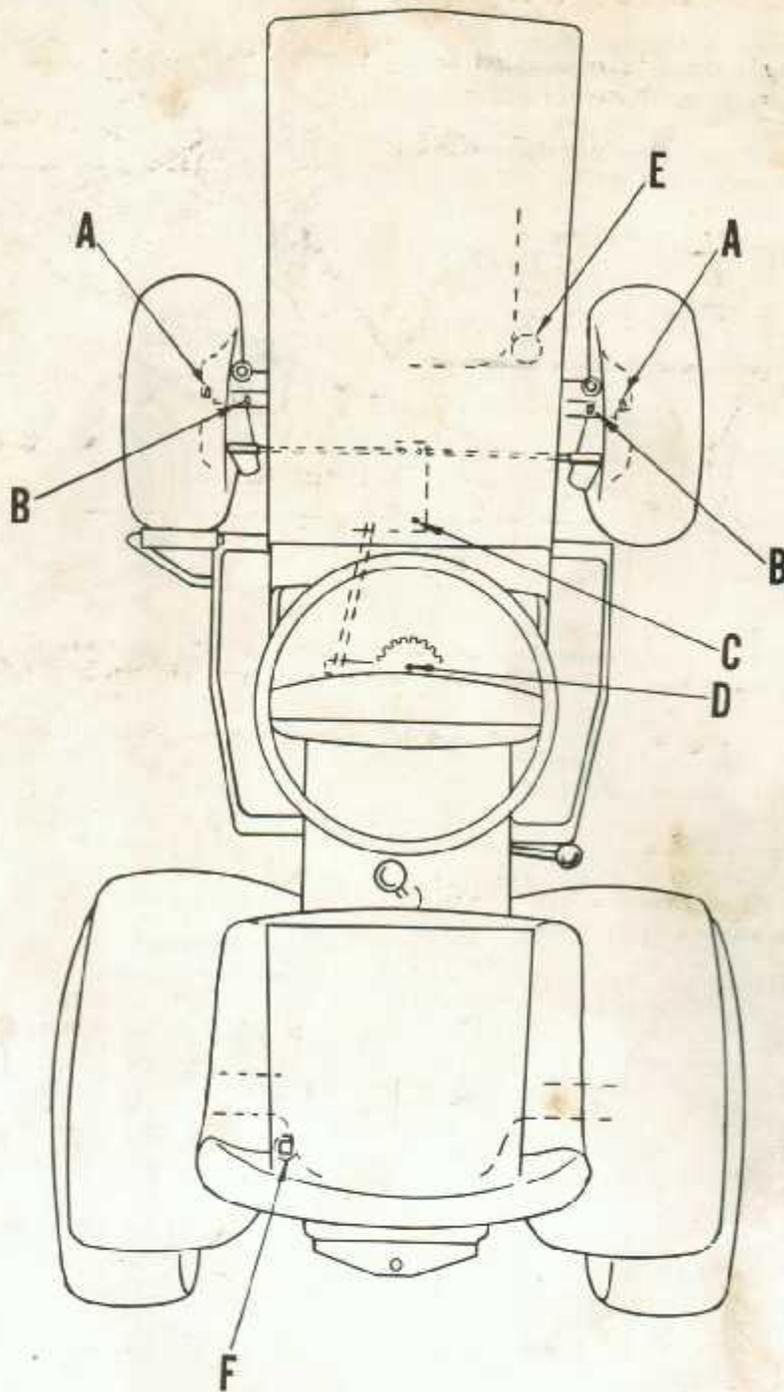


FIG. 23

- There are only 6 grease fittings on your Tractor. Give each grease fitting 2 shots of grease every 5 hours of operation. Use Sears All-purpose Lithium gun grease or equivalent.
- A - Front Wheels (2 fittings, both sides)
 - B - Front Spindles (2 fittings, both sides)
 - C - Steering Bell Crank
 - D - Steering Gear Sector and Arm
 - E - Check oil in engine crankcase at least every 5 hours of normal operation. **BE SURE OIL LEVEL IS MAINTAINED.** Change oil after first 5 hours of normal operation. Thereafter change oil every 25 hours of normal operation. In extremely dirty or dusty conditions change oil every 15 or 20 hours of operation.
 - F - Check oil in transaxle (transmission) every 50 hours of operation. Change oil in transaxle (transmission) every 500 hours of operation.
- - Apply several drops of oil to all pivot points every 5 hours of operation.

maintenance (cont.)



carburetor adjustments

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

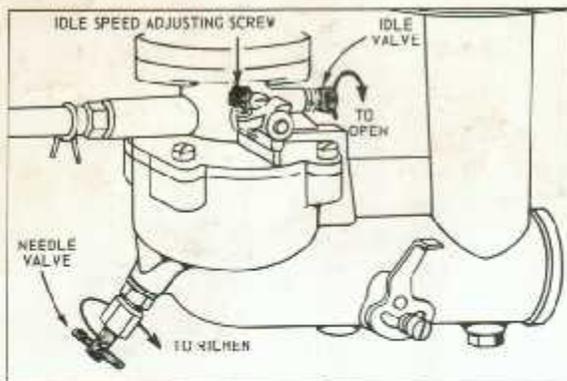


FIG. 26

Initial Adjustment

Turn needle valve clockwise until it just closes.—
CAUTION: Valve may be damaged by turning it in too far.

Now open needle valve 1-1/2 turns counterclockwise. Close idle valve in same manner and open it 1/2 to 3/4 turns. This initial adjustment will permit the engine to be started and warmed up prior to final adjustment.

Final Adjustment

Turn needle valve in until engine misses (lean mixture), then turn it out past smooth operating point until engine runs unevenly (rich mixture). Now turn needle valve to the mid-point between rich and lean so the engine runs smoothly. Hold throttle at idle position, set idle speed adjusting screw until fast idle is obtained (1200 RPM). Hold throttle in idle position and turn idle valve in (lean) and out (rich) until engine idles smoothly. Then reset idle speed so that engine idles at 1200 RPM. Release throttle—engine should accelerate without hesitation or sputtering. If engine does not accelerate properly, re-adjust needle valve to a slightly richer mixture.

spark plug

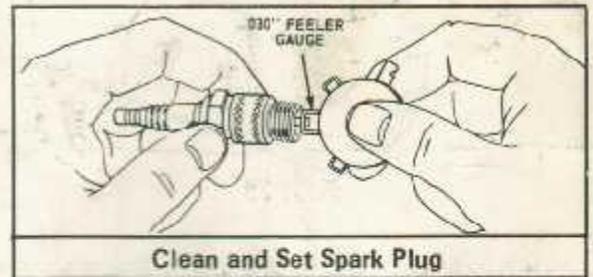


FIG. 27

Clean and reset gap at .030" every 100 hours of operation.

CAUTION: Blast cleaning of spark plugs in machines that use abrasive grit is not recommended. Spark plugs should be cleaned by scraping or wire brushing and washing with a commercial solvent or gasoline.

ignition point gap

The ignition point gap setting is .020".

MAJOR REPAIRS SHOULD NOT BE ATTEMPTED UNLESS YOU HAVE THE PROPER TOOLS AND A THOROUGH KNOWLEDGE OF THIS MACHINE.



maintenance (cont.)

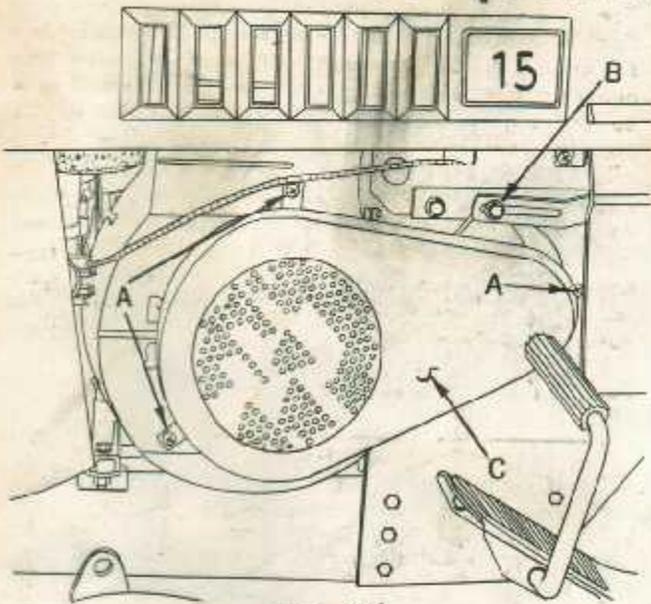


FIG. 28*

motor-generator belt adjustment

1. Remove the 3 screws (A); holding belt guard (C), to engine and Tractor.
2. Loosen bolt (B), in generator adjusting strap and generator, move motor generator back to tighten belt and then tighten bolt (B), securely. Belt should be tight enough to prevent belt slippage when starting Tractor.

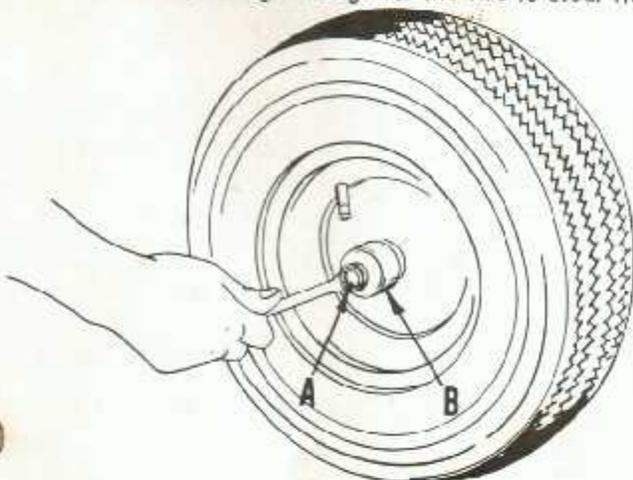
NOTE: Belt can be tightened at bolt (B), without removing belt guard. However, belt tension will be easier to check with guard removed.

tires

Keep tires inflated to 10 to 12 lbs. of air in front; 8 lbs. in rear.

To repair a punctured FRONT tire:

1. Use a Sears Tractor Jack or block wheel up on a solid object high enough for the tire to clear floor.



2. Remove hex bolt (A), and dust cap (B).

FIG. 29

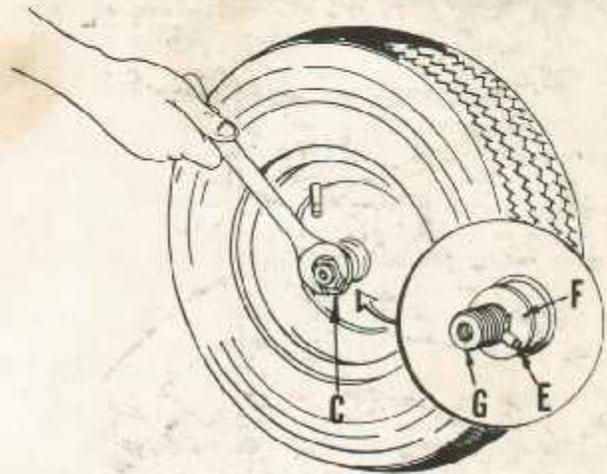


FIG. 30

3. Remove grip nut (C), wear washer (D), pin (E), and washer (F), from spindle shaft assembly (G). Refer to Fig's. 30 and 31.

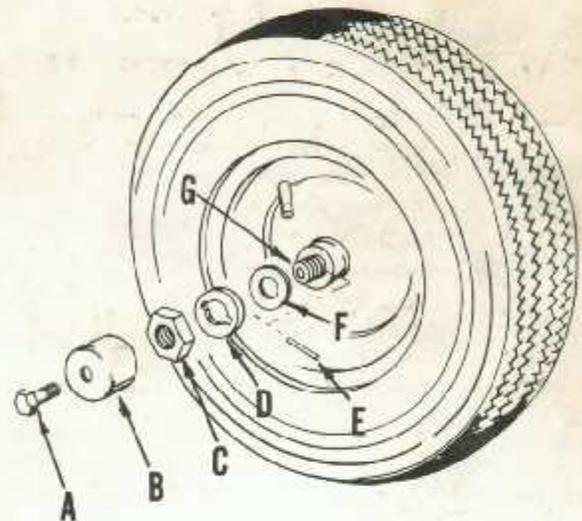


FIG. 31

4. Reverse procedure for reassembly, refer to Fig. above.

To repair a punctured REAR tire:

5. Remove rear wheel by unscrewing five hub bolts from wheel and hub.

NOTE: Tire can be repaired at your local Sears automotive center or service station. They are repaired in same manner as an automobile tire.

maintenance (cont.)

trouble shooting

WILL NOT START

POSSIBLE CAUSE	POSSIBLE REMEDY
Dead battery	Recharge or replace battery.
Mower blade clutch handle assembly engaged	Move to "out" position.
Gear shift lever in gear	Shift into neutral position. Lever must be directly inline with the arrow on the decal located on left, top side of chassis assembly.

HARD TO START

No gasoline in fuel tank or carburetor	Fill the tank with gasoline; open fuel shut-off valve. Check fuel line and carburetor.
Water in gasoline or old fuel	Drain fuel tank and carburetor. Use new fuel and dry spark plug.
Choked improperly. Flooded engine	Push in choke, open throttle control and crank engine several times to clear out the gas.
Dirty carburetor air filter	Remove and clean, refer to page 12.
Spark plug dirty or improper gap	Clean, adjust the gap or replace.
Defective battery	Service or replace.
Defective ignition or loose wiring	Check the wiring and spark plug.

ENGINE MISSES OR LACKS POWER

Dirty starter air screen	Clean screen over starter, see page 11. Be sure fins on cylinder head and around cylinder are clean. Remove and clean, refer to engine manual.
Partially plugged air cleaner	Check or change oil, see page 12.
Low oil level or dirty oil	Refer to page 15.
Improper carburetor adjustment	Clean, reset the gap or replace.
Spark plug dirty, wrong gap or wrong type	Shift to a lower gear or reduce load.
Engine overloaded	Check spark plug and for loose wires. If trouble cannot be corrected, contact Sears.
Faulty ignition	Tighten belt.
Belt slips	Drain and refill gasoline tank and carburetor. Oil reduces the efficiency of the engine.
Oil in gasoline	Contact Sears.
Poor compression	

ENGINE OVERHEATS

Dirty starter air screen	Clean screen over starter, see page 11.
Low oil level or dirty oil	Check or change oil, see page 12.
Partially plugged muffler	Remove muffler from engine and clean.
Poor fuel or too lean a mixture	Refer to page 15.
Partially plugged air cleaner	Remove and clean.
Dirty engine	Clean fins on cylinder head and around cylinder.

maintenance (cont.)

how to start if battery is low

1. Connect quick-start battery cables or "jumpers" from your automobile 12 volt battery to the Tractor battery. CAUTION: Connect positive (+) terminal to positive (+) terminal. This method of starting is only a means of emergency starting. Have Tractor battery recharged or replaced immediately.

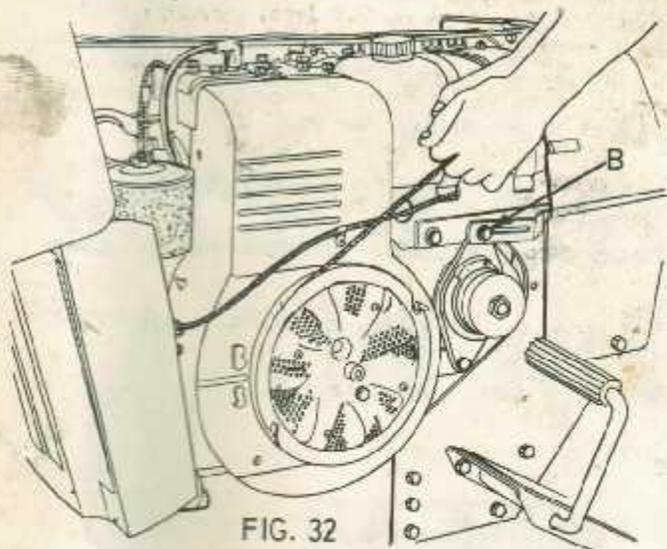


FIG. 32

2. Method number two will NOT charge battery, but is strictly emergency starting only.
 - a. Remove the three screws (A, Fig. 28). This will allow removal of belt guard assembly (C, Fig. 28).
 - b. Loosen nut (B), and push motor generator forward. This will take tension from V-belt. Remove belt.
 - c. Secure a piece of rope and tie a knot in one end. Place this knot into notch (D), in engine pulley.
 - d. Wrap rope around engine pulley using grooves provided.
 - e. Pull rope sharply to start engine.

DO NOT REPLACE V-BELT OR GUARD WHILE ENGINE IS RUNNING. The above method of starting is only a means to get unit to nearest source of battery charging. DO NOT operate Tractor any longer than necessary with V-belt and guard removed. Stop engine and replace as soon as possible. Be sure to have proper tension on belt, retighten nut (B, Fig. 32).

important battery care

Proper attention to the battery is of utmost importance.

Your battery is of the same high standard as is used in automobiles. Unfortunately it does not have advantages of automatic attention by the service station attendant as the one in your car.

The following points are recorded to help remind you to provide attention to the battery and gain full advantage of the usable life built into the battery and avoid costly replacement.

1. Check solution level in battery at least once each week. Add distilled water when required. Correct level is bottom of tubes in cells, refer to page 5. After adding water, run the engine so that the generator charge will mix the solution. DO NOT OVER FILL.
2. Keep the battery clean. Remove any collection of grease or other substance from the top of the battery.
3. Keep top of battery clean and dry at all times.
4. Keep battery snug in its cradle or holder.
5. Keep vent caps tight and small vent holes in cap open.
6. If battery should become discharged or fall below a specific gravity of 1.225 remove battery and have it recharged.
7. When recharging, request service station to SLOW CHARGE the battery at a rate of 3 amperes. FAST CHARGING IS NOT RECOMMENDED.

winter care--battery

1. If unit is not used regularly during winter months it should be removed and stored in a cool, dry place.
2. If unit is used only infrequently during winter months, check at least once each thirty days to be sure a full charge is maintained.
3. A battery not fully charged can freeze, resulting in the necessity to replace.
4. A safe rule is to charge the battery monthly or least test and recharge if below 1.225 specific gravity.

Please remember the necessity of proper winter care for the battery. Batteries not in use for several months and not kept fully charged, produced a sulphation of the plates which cannot be removed by recharging.

Your guarantee is intended to provide you adequate protection. It does not, however, cover recharging or damage resulting from lack of care, freezing or inability to perform after winter or long storage periods without proper attention.

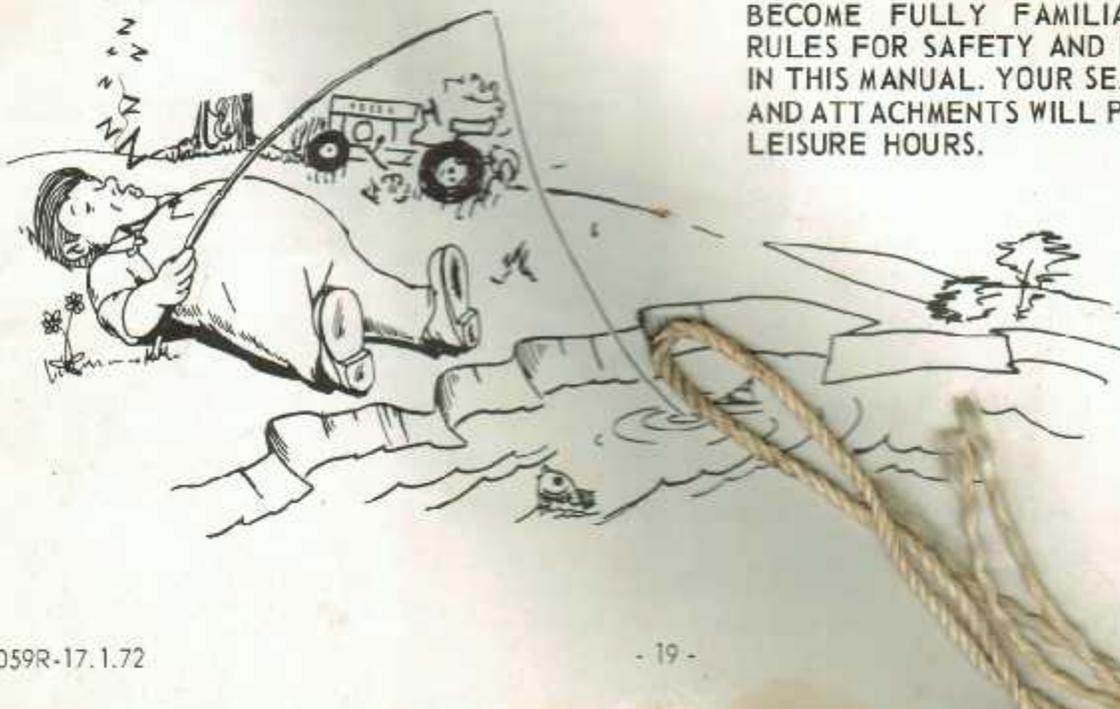
maintenance (cont.) storage instructions

In the event your Tractor is to be inoperative for periods in excess of 30 days - prepare for storage as outlined below.

1. Drain fuel tank completely and clean fuel filter.
2. Operate engine until gasoline in carburetor is completely consumed.
3. While engine is still warm, drain oil from crankcase. Refill with fresh oil.
4. Remove spark plug, pour one ounce (2 or 3 table-spoons) of SAE-30 oil into cylinder and crank slowly distribute oil. Replace spark plug.
5. Clean the engine and Tractor of all foreign matter.
6. Do not save or store gasoline over winter.

STORE YOUR TRACTOR IN A DRY AND PROTECTED PLACE. LEAVING YOUR TRACTOR OUTDOORS, EXPOSED TO THE ELEMENTS, WILL RESULT IN MATERIALLY SHORTENING ITS LIFE.

NEVER REMOVE TRACTOR FUEL TANK CAP OR ADD GASOLINE TO A RUNNING OR HOT ENGINE. NEVER FILL FUEL TANK INDOORS. WIPE UP SPILLED GASOLINE BEFORE STARTING ENGINE. KEEP GASOLINE IN AN APPROVED CLOSED CONTAINER.



general

1. Just as your automobile needs professional mechanical maintenance from time to time, so does your air cooled engine. Cleaning and adjustment of the carburetor and periodic replacement of the spark plug and ignition points is made necessary by NORMAL use.
2. Professional air cooled engine service is as close as your nearest Sears Store.
3. A yearly check-up or tune-up by Sears is a good idea to avoid breakdowns or delays. Do it each fall, then you're ready for spring. We even prepare it for storage for you.

SAFETY Pays Off

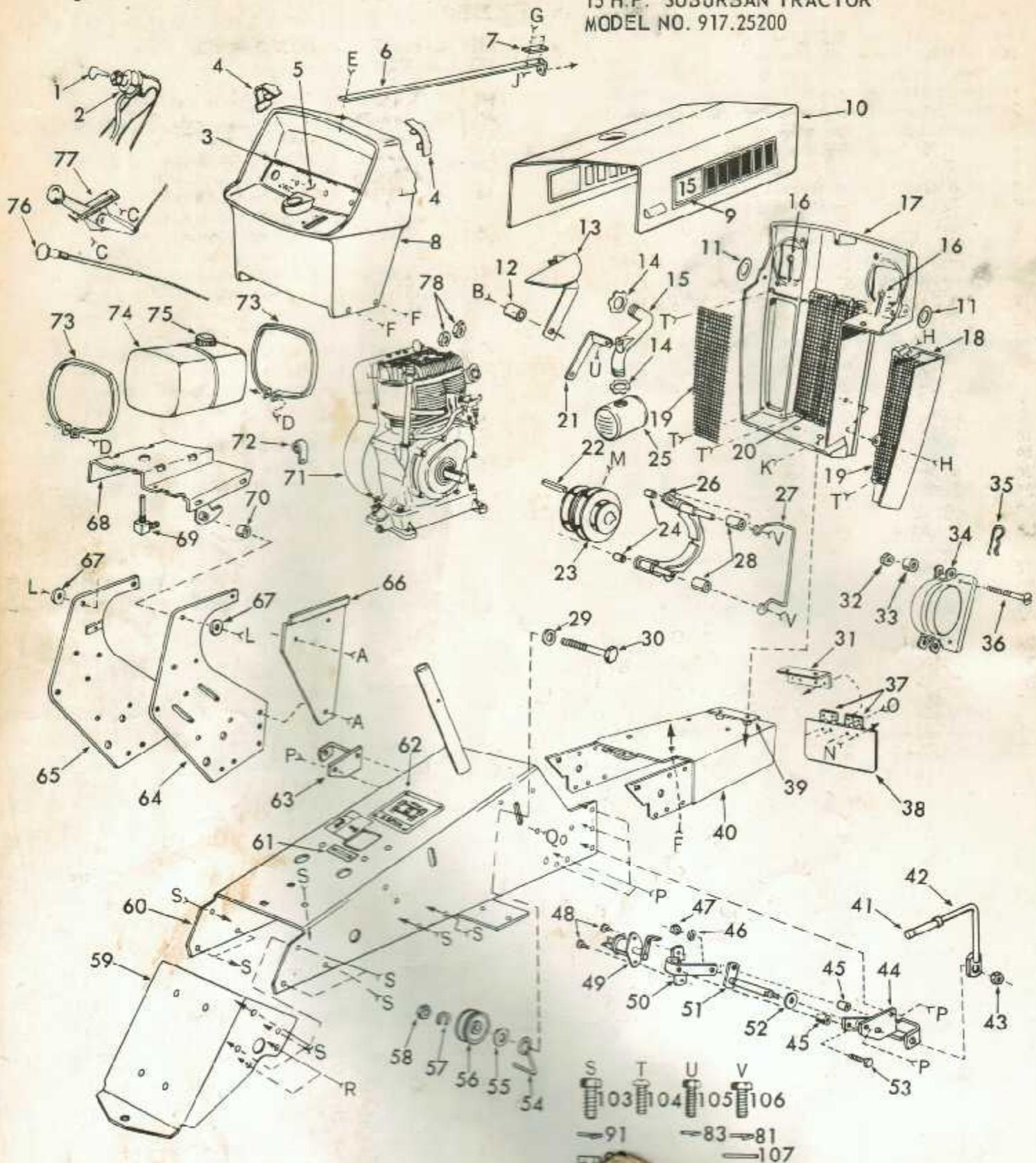


Sears, Roebuck and Co. or Simpsons-Sears Ltd. in Canada reserves the right to make any changes in design or improvements without imposing any obligation to install the same upon its items heretofore manufactured.

BECOME FULLY FAMILIAR WITH THE RULES FOR SAFETY AND INSTRUCTIONS IN THIS MANUAL. YOUR SEARS TRACTOR AND ATTACHMENTS WILL PROVIDE MANY LEISURE HOURS.

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200

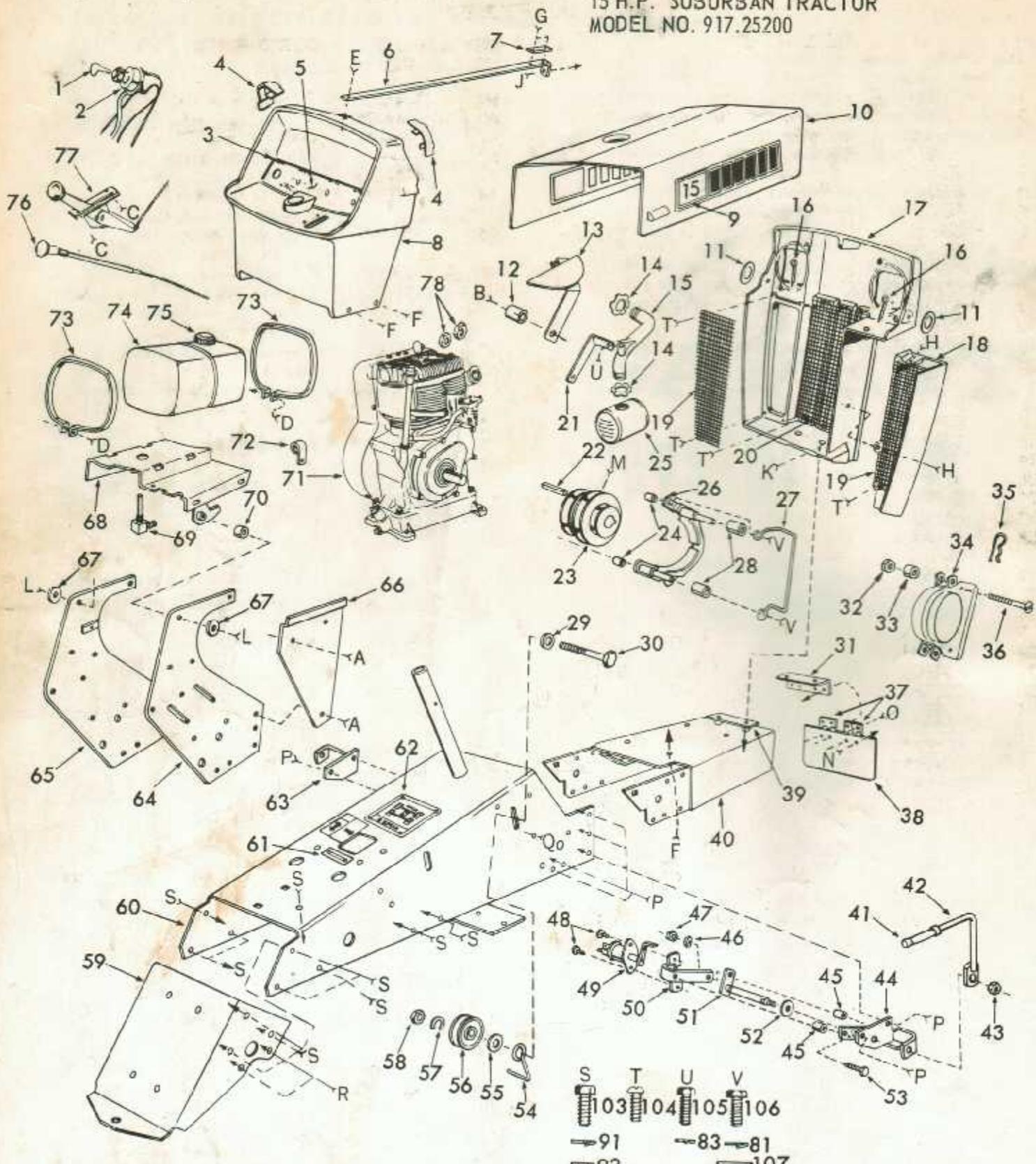


A	B	C	D	E	F	G	H	J	K	M	N	O	P	Q	R
79	80	82	85	88	90	93	96	96	97	103	104	105	106	100	101
	81	83	86	81		94	81	81	81	91	83	81	91	91	102
		84	87	89	67	95	89	81	89	67	81	81	91	91	57
					91				89	91	81	91	91	92	58
					92					92					

another free manual from www.searctractormanuals.com

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200



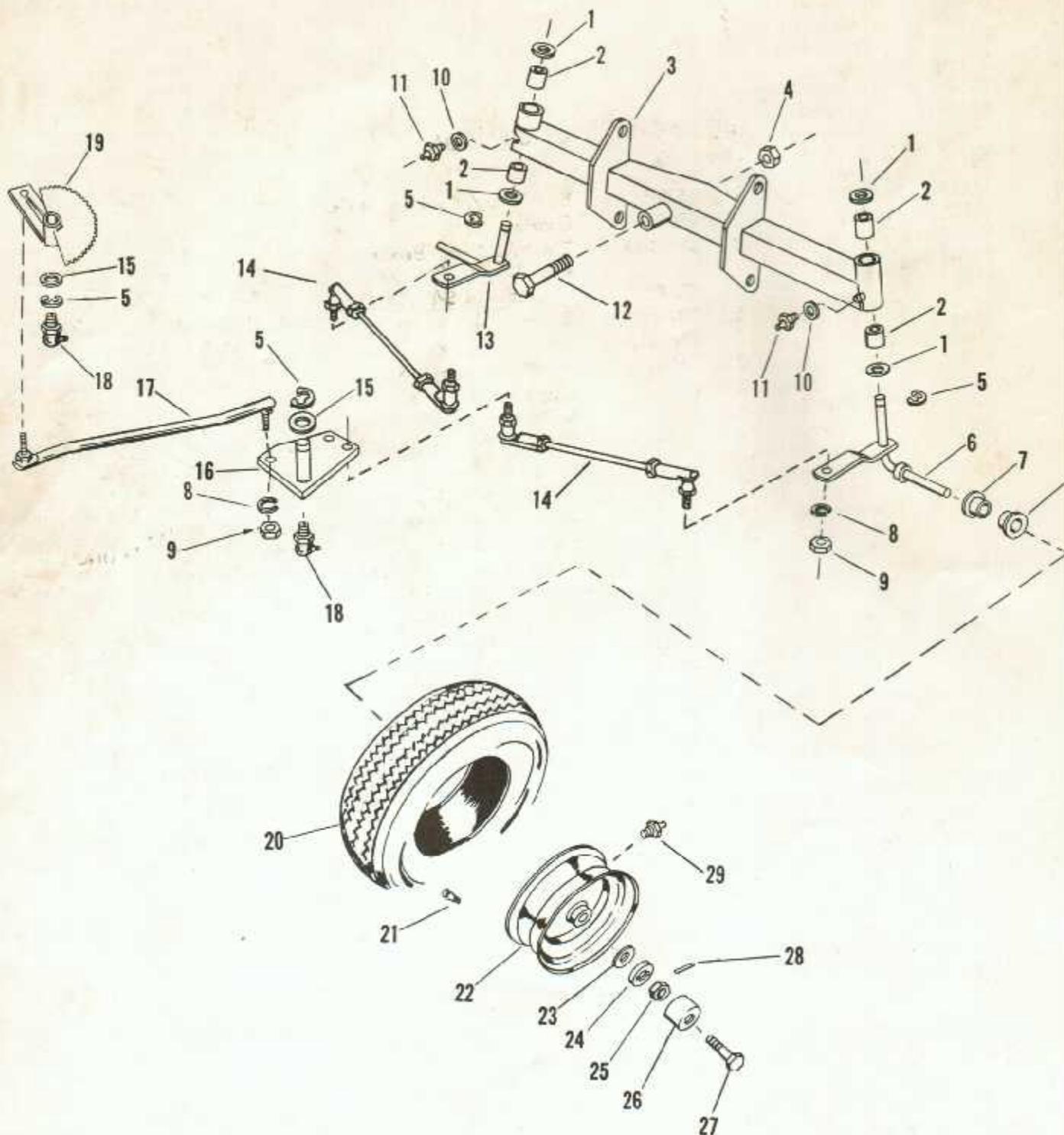
- | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|-----|-----|-----|
| A | B | C | D | E | F | G | H | J | K | L | M | N | O | P | Q | R |
| 79 | 80 | 82 | 85 | 88 | 90 | 93 | 96 | 96 | 97 | 98 | 108 | 95 | 99 | 100 | 101 | 102 |
| | 81 | 84 | 86 | 81 | 94 | 81 | 81 | 81 | 81 | 91 | 67 | 94 | 94 | 91 | 91 | 57 |
| | | | 87 | 89 | 67 | 95 | 89 | | 89 | 92 | | 94 | 95 | 92 | 92 | 58 |
| | | | | | 91 | | | | | | | | | | | |
| | | | | | 92 | | | | | | | | | | | |

- | | | | |
|-----|-----|-----|-----|
| S | T | U | V |
| 103 | 104 | 105 | 106 |
| 91 | 83 | 81 | |
| 92 | | 107 | |

another free manual from www.searctractormanuals.com

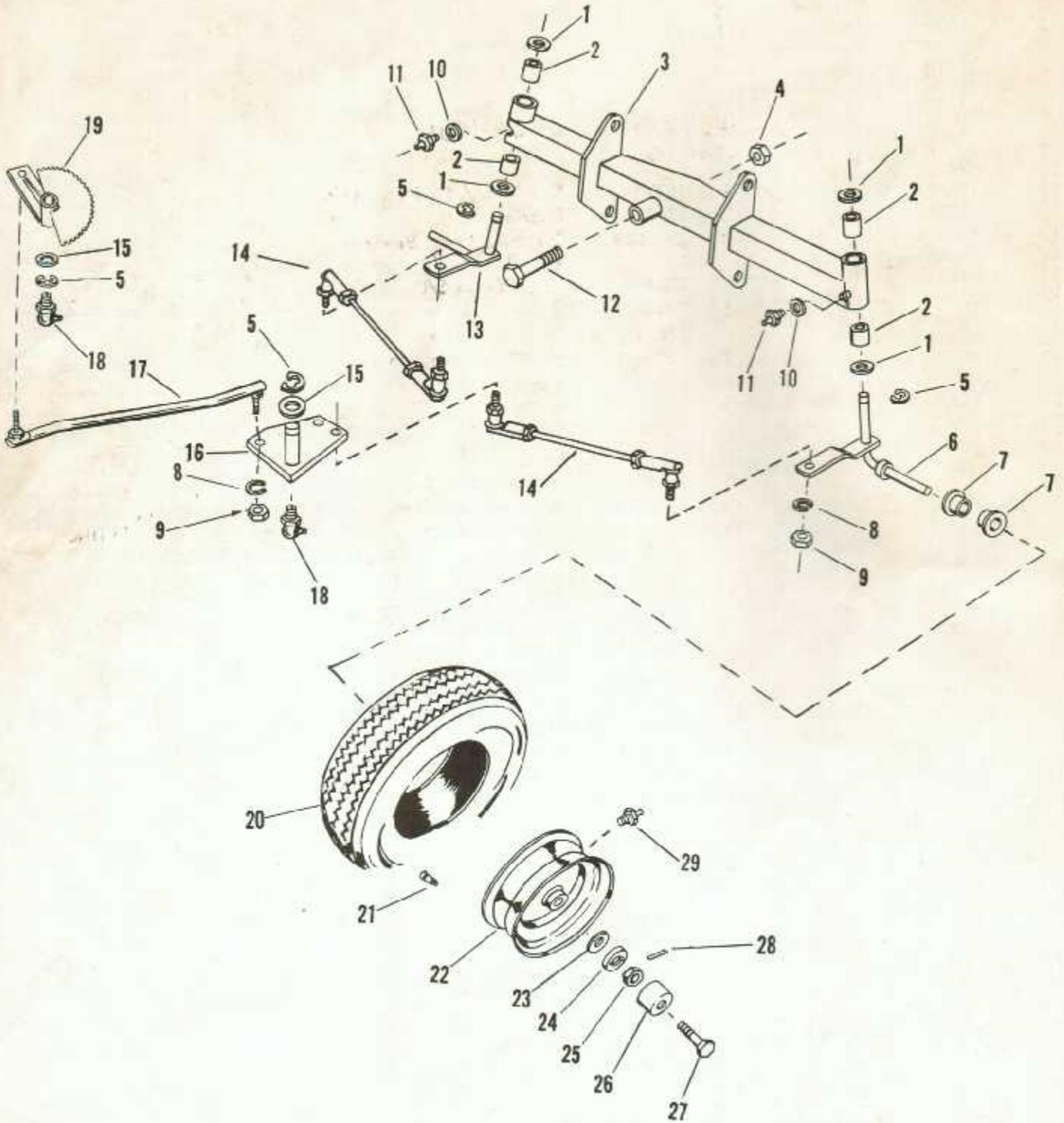
repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200



repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200



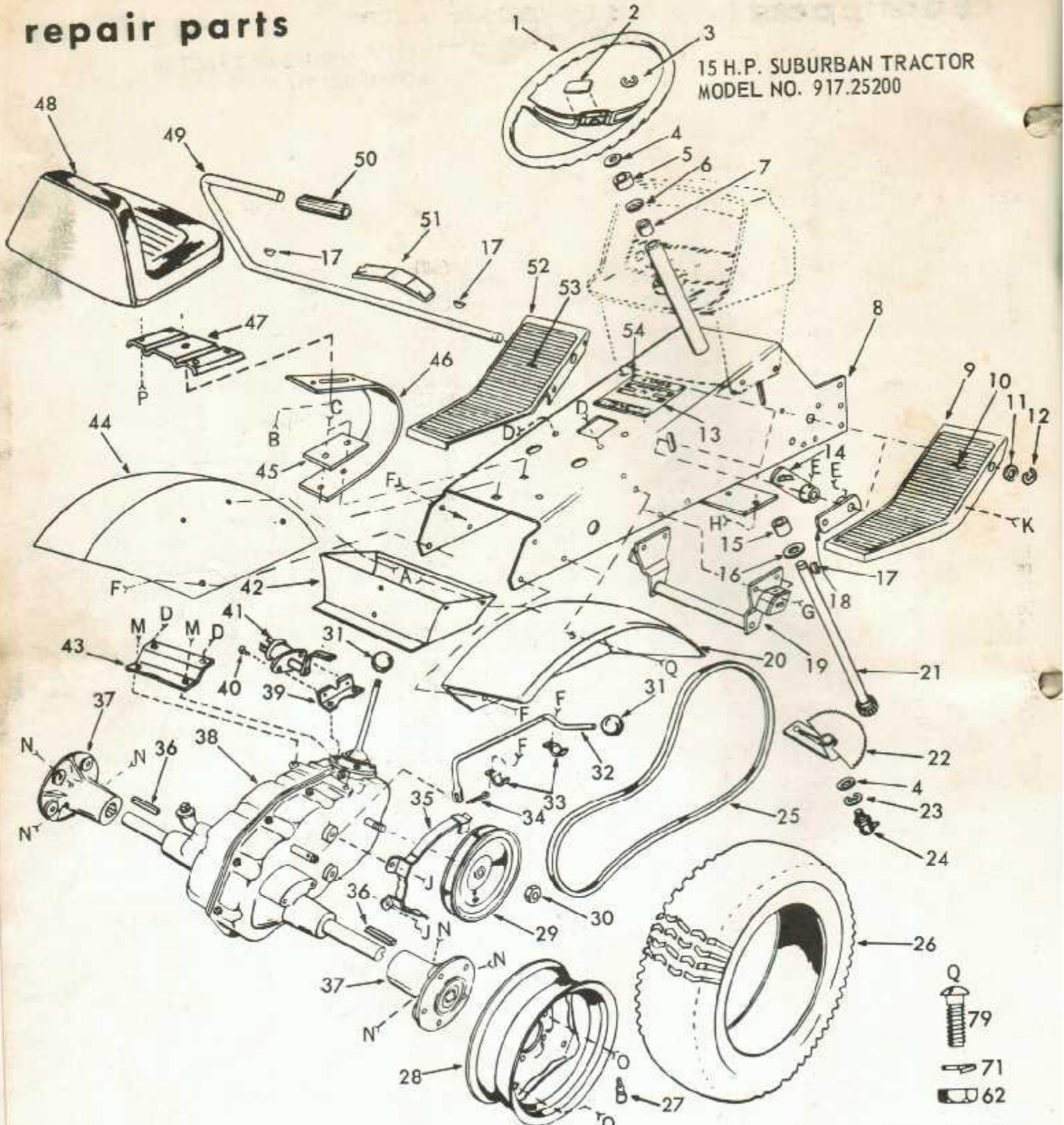
repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200

KEY NO.	PART NO.	DESCRIPTION
1	1528P	Washer 13/16 x 1 1/4 x 14 Ga.
2	1309H	Bearing
3	634A313	Front Axle with Bearings (Inc. Key No. 2)
4	4764H	Huglock Nut 5/8 - 11 UNC
5	5000P	E Ring
6	634A277	Spindle Complete - R.H.
7	9040H	Flanged Bearing
8	1004P	Lockwasher 3/8
9	511P	Nylok Nut, 3/8 - 24 UNF
10	1505P	Washer 9/32 x 1/2 x 14 Ga.
11	6855M	Grease Fitting
12	3050P	Hex Bolt 5/8 - 11 x 4 1/2
13	634A278	Spindle Complete - L.H.
14	1808R	Tie Rod and Joints
15	1552P	Washer 49/64 x 1 1/4 x 16 Ga.
16	634A98	Steering Bell Crank Weldment
17	9318H	Drag Link and Joints
18	6842M	Grease Fitting
19	634A95	Steering Gear Sector and Arm
20	2175R	Front Tire
21	795R	Tire Valve
22	2174R	Front Wheel
23	1562P	Washer 25/32 x 1 1/2 x 16 Ga.
24	8785H	Wear Washer
25	4831H	Elastic Nut 3/4 - 16 UNF
26	8763H	Dust Cap - Outer
27	3008P	Hex Bolt 5/16 - 18 x 1/2
28	8798H	Roll Pin 5/32 x 1
29	6856M	Grease Fitting 1/4 - 28 Taper Thread

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200



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

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8796H	Steering Wheel	40	5501P	Pan Head Phillips Thread Cutting
2	8797H	Steering Wheel Cap			Screw - Type T #10 - 24 UNC x 3/8
3	5003P	E Ring	41	2206R	Neutral Safety Switch
4	1552P	Washer 49/64 x 1/4 x 16 Ga.	42	634A276	Tool Box Assembly
5	5949H	Rubber Bushing	43	6459H	Transmission Bracket
6	9007H	Cap	44	8770H	Fender - L.H.
7	6468H	Bearing	45	8141H	Seat Spring Reinforcement
8	634A495	Chassis Assembly W/Bearings	46	9712H	Seat Spring
9	634A113	Foot Rest W/Bolts - R.H.	47	1758R	Seat Plate
10	7236H	Foot Rest Pad - R.H.	48	2054R	Seat
11	1527P	Washer 21/32 x 7/8 x 16 Ga.	49	8157H	Foot Pedal Shaft
12	5001P	E-Ring	50	8156R	Foot Pedal Cover
13	-----	Shift Pattern Plate	51	9008H	Spring
14	634A33A	Brake Arm Assembly	52	634A112	Foot Rest W/Bolts - L.H.
15	4766H	Bearing	53	7235H	Foot Rest Pad - L.H.
16	1553P	Washer 57/64 x 1/4 x 16 Ga.	54	9251H	Drive Rivet
17	9858M1	Woodruff Key 3/16 x 5/8	55	3003P	Hex Bolt 1/4 - 20 x 3/4
18	626A31A	Steering Arm Assembly	56	3044P	Bolt 1/2 - 13 x 1/4 Carriage
19	634A362	Hanger - Rear	57	9P	Sq. Neck Carriage Bolt 3/8 - 16 x 1 1/4
20	8769H	Fender - R.H.	58	3034P	Hex Bolt 7/16 - 14 x 1
21	640A30	Steering Shaft and Pinion	59	4501P	Sq. Hd. Set Screw C.P. 5/16 - 18 x 1/2
22	634A95	Steering Gear Sector and Arm	60	3022P	Hex Bolt 3/8 - 16 x 7/8
23	5000P	E-Ring	61	3023P	Hex Bolt 3/8 - 16 x 1
24	6842M	Grease Fitting	62	501P	Hex Nut 3/8 - 16 UNC
25	2295R	V-Belt (Ground Drive)	63	3010P	Hex Bolt 5/16 - 18 x 3/4
26	2165R	Rear Tire	64	3025P	Hex Bolt 3/8 - 16 x 1 1/4
27	795R	Tire Valve	66	4524P	Sq. Hd. Set Screw 3/8 - 16 x 1 1/4
28	7226H	Rear Wheel	67	1304H	Hub Bolt
29	6461H2	Transmission Pulley	68	3053P	Hex Bolt 5/16 - 18 UNC x 5/8 Plated
30	9204H	Lock Nut 1/2 - 20 UNF	69	1506P	Washer 9/32 x 5/8 x 16 Ga.
31	6364H	Control Knob	70	1560P	Washer 17/32 x 1 1/2 x 11 Ga.
32	6477H	Range Shift Rod	71	1004P	Lockwasher 3/8
33	6442H	Shift Rod Bracket	72	1001P	Lockwasher 7/16
34	2511P	Cotter Pin 3/16 x 1	73	1003P	Lockwasher 5/16
35	634A22A	Belt Guide	74	508P	Hex Jam Nut 3/8 - 16
36	8327H	Sq. Key 1/4 x 3	75	1002P	Lockwasher 1/4
37	8778H	Wheel Hub - Rear	76	1000P	Lockwasher 1/2
38	633A38	Transmission (Less Brake Drum)	77	500P	Hex Nut 7/16 - 14
39	2209R	Bracket - Neutral Safety Switch	78	503P	Hex Nut 1/4 - 20 UNC
			79	20P	Sq. Neck Carriage Bolt
			80	502P	3/8-16 UNC x 1
					Hex Nut 1/2 - 13 UNC

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200

P.O. BOX 236

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8157H	Foot Pedal Shaft	33	9071H	Huglock Nut 1/4 - 28 UNC
2	8156H	Foot Pedal Cover	34	3256P	Hex Bolt 1/4 x 5/8 - 28 UNC
3	9858M1	Woodruff Key 3/16 x 5/8	35	626A341	Parking Lock Handle Assembly
4	9008H	Spring	36	4379H	Handle Grip
5	5001P	E- Ring	37	5999H	Spring Washer
6	2202R	Brake Rod-Front	38	2221R	Parking Brake Spacer
7	2505P	Cotter Pin 1/8 x 3/4	39	634A489	Lock Bracket Assembly
8	1513P	Washer 13/32 x 13/16 x 16 Ga.	40	626A365	Brake Rod Assembly
9	634A33A	Brake Arm Assembly	41	2197R	Parking Brake Yoke
10	9858M1	Woodruff Key 3/16 x 5/8	42	1557P	Washer 13/32 x 13/16 x 11 Ga.
11	6406H	Clutch Rod	43	2263R	Spring Washer
12	2514P	Cotter Pin 1/4 x 1	44	2201R	Bushing
13	6486H	Spring	45	501P	Hex Nut 3/8 - 16 UNC
14	548P	Hex Jam Lock Nut 3/8 - 24 UNF	46	6417H	Turnbuckle
15	634A296A	Idler Bracket Assembly	47	3052P	Hex Bolt 3/8 - 24 UNF x 1 Pld.
16	634A86	Idler, Bolt and Nut (Inc. Key No's. 14 and 47)	48	4501P	Sq. Hd. Set Screw C.P. 5/16 - 18 x 1/2
17	4301H	Spring	49	3159P	Hex Bolt 5/16 - 18 x 7/8
18	626A31A	Steering Arm Assembly	50	11P	Sq. Neck Carriage Bolt 1/4 - 20 x 5/8
19	1520P	Washer .469 I.D. x 1-1/8 x 11 Ga.	51	3164P	Flat Hd. Machine Screw Undercut 3/8 - 16 x 3/4
20	3155P	Hex Bolt 7/16 - 14 x 2 1/2	52	2004P	Rivet, Brass Tubular #4 x 1/4
21	1544P	Washer 15/32 x 59/64 x 16 Ga.	53	3022P	Hex Bolt 3/8 - 16 x 7/8
22	6479H1	Belt Guide Finger	54	511P	Nylock Nut 3/8 - 24 UNF
23	6635H	Flat Idler	55	3003P	Hex Bolt 1/4 - 20 UNC x 3/4
24	1001P	Lockwasher 7/16	56	1003P	Lockwasher 5/16
25	500P	Hex Nut 7/16 - 14	57	1002P	Lockwasher 1/4
26	9204H	Lock Nut 1/2 - 20 UNF	58	1004P	Lockwasher 3/8
27	6461H2	Transmission (Transaxle) Pulley	59	1685H	Locknut 5/16 - 18
28	2228M1	Woodruff Key 3/16 x 3/4	60	503P	Hex Nut 1/4 - 20
29	7648H1	Brake Drum			
30	7645H	Brake Lining			
31	634A168	Brake Bracket Assembly			
32	634A167	Brake Band and Lining			

another free manual from www.seartractormaterials.com

repair parts

15 H. P. SUBURBAN TRACTOR
MODEL NO. 917.25200

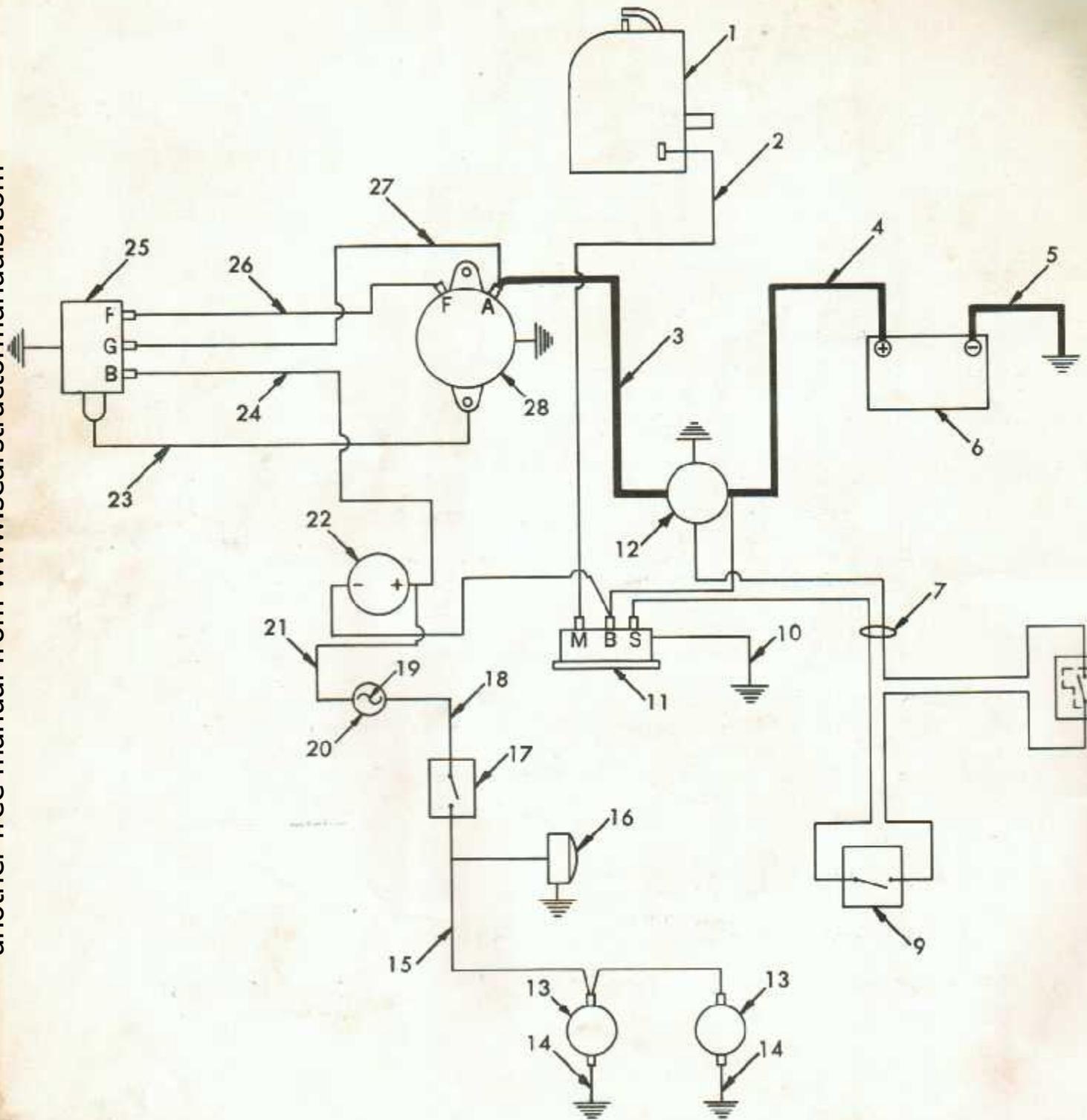
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	9766H	V-Belt (Generator to Engine)	30	8768H	Mounting Clip
2	634A490	Cable and Cover (Red)	31	5501P	Phillips Pan Hd. Thread Cutting Screw #10 - 24 x 3/8 Type T
3	503P	Hex Nut 1/4 - 20 UNC	32	9197H	Hose (On Grill - Headlight Locating Pins) (Pink)
4	5111H3	Battery	33	505P	Hex Nut #10 - 24 UNC
5	3748M	Wing Nut	34	1404P	Lockwasher #10 External
6	1509P	Washer 5/16 x 3/4 x 16 Ga.	35	3073P	Slotted Truss Hd. Mach. Screw #10 - 24 x 1/2
7	5110H	Battery Clamp	36	8089H	Tail Light
8	5072H	Battery Bolt	37	8293H	Housing (Tail Light)
9	1402P	External Lockwasher	38	8292H	Lens (Tail Light) (Red)
10	3136P	Hex Bolt 5/16 - 18 x 1 1/4 H.T.	39	8291H	Bulb (Tail Light)
11	6534H	Ground Cable (Black)	40	5959H	Ground Wire (Regulator Mounting Bolt to Generator Frame) (Black)
12	3010P	Hex Bolt 5/16 - 18 UNC x 3/4	41	6987H2	Ammeter
13	1003P	Lockwasher 5/16"	42	2257R	Voltage Regulator
14	1537P	Washer 11/32 x 11/16 x 16 Ga.	43	103R	Solenoid
15	504P	Hex Nut 5/16 - 18 UNC	44	543P	Hex Nut #10 - 32 UNF
16	2210R	Starter Switch (Inc. Key No.17)	45	634A383	Generator Mount Assembly
17	7552H	Key	46	1006P	Lockwasher #10
18	3115P	Hex Bolt 1/4 - 20 UNC x 5/8	47	1358R	Terminal Cover
19	1002P	Lockwasher 1/4"	48	6007P	Slotted Pan Hd. Mach. Screw W/Sems Lockwasher 1/4 - 20 UNF x 1/2
20	2211R	Fuse Holder	49	634A446	Belt Guard Assembly
21	2223R	Leaded Wire ("M" Post on Switch to Short Terminal on Engine) (Black)	50	1506P	Washer 9/32 x 5/8 x 16 Ga.
22	8147H	Lead Wire (Headlights to Switch) (Pink)	51	3023P	Hex Bolt 3/8 - 16 UNC x 1
23	5735H	Light Switch	52	3010P	Hex Bolt 5/16 - 18 UNC x 3/4
24	9267H	Knob, Light Switch	53	9737H1	Generator Adjusting Strap
25	5959H	Regulator to Generator Wire (Black)	54	1004P	Lockwasher 3/8"
26	6541H	Tie	55	501P	Hex Nut 3/8 - 16
27	7035H	Ground Wire (Headlight to Ground) (Black)	56	634A298	Motor Generator
28	7034H	Head Light			
29	8784H1	Rubber Spacer			

*Breaker assembly Points 917 298185
Condenser PN# 298060*

FOR ADDITIONAL ELECTRICAL ITEMS REFER TO WIRING DIAGRAM - PAGES 31 AND 32

repair parts

15 H. P. SUBURBAN TRACTOR
MODEL NO. 917.25200



another free manual from www.seartractormanuals.com

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200

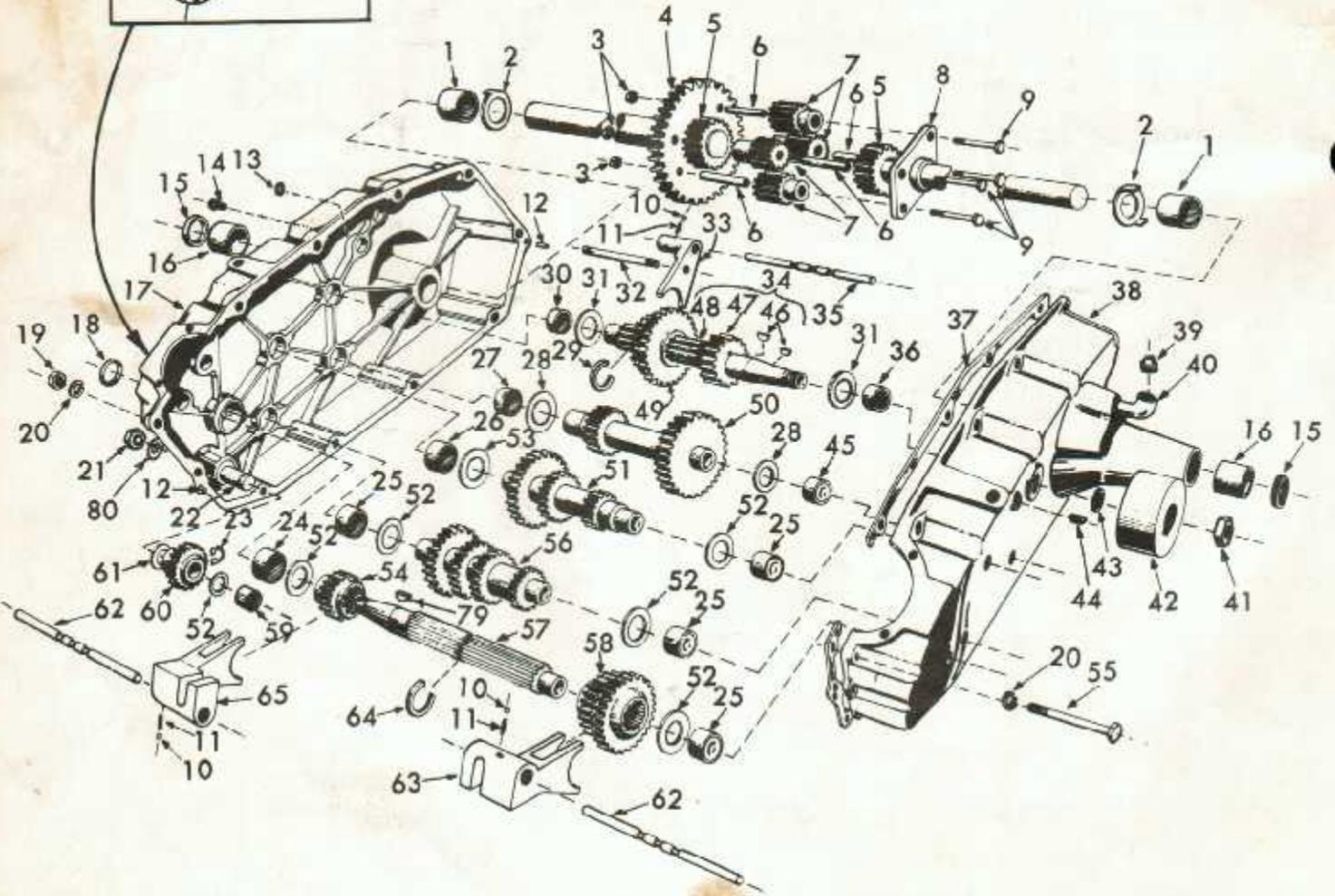
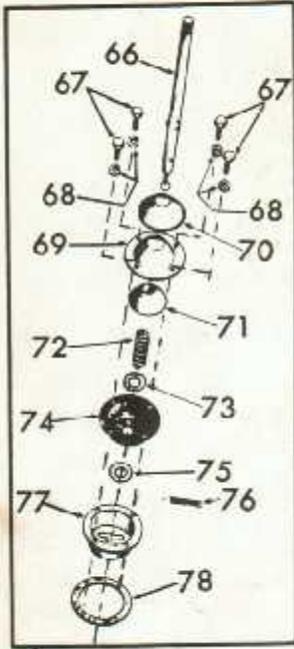


KEY NO.	PART NO.	DESCRIPTION
1	634A474	Engine, Briggs and Stratton 15 H.P. Model No. 325432
2	2223R	Electrical Wire (Engine to "M" on Starter Switch-Black)
3	2225R	Battery Cable (Red)
4	634A490	Cable and Cover (Red)
5	6534H	Ground Cable (Black)
6	5111H3	Battery
7	2227R	Electrical Wire (White)
8	2249R	Attachment Safety Switch
9	2206R	Neutral Safety Switch
10	2224R	Electrical Wire (Starter Switch Mounting Stud to Solenoid Mounting Bolt-Black)
11	2210R	Starter Switch
12	103R	Solenoid
13	7034H	Headlight
14	7035H	Ground Wire (Headlight to Ground-Black)
15	8147H	Lead Wire (Headlights to Switch-Pink)
16	8089H	Tail Light
17	5735H	Light Switch
18	2228R	Electrical Wire (Fuse to Light-Orange)
19	2212R	Fuse
20	2211R	Fuse Holder
21	2229R	Lead Wire (Ammeter "+" Terminal to Fuse-Orange)
22	6987H2	Ammeter
23	5959H	Ground Wire (Regulator Mounting Bolt to Generator Frame-Black)
24	6994H	Lead Wire (Ammeter "+" Post to Voltage Regulator "B" Post-Red)
25	2257R	Regulator
26	5804H	Field Wire Generator "F" to Regulator "F" - Light Green)
27	5803H	Ground to Generator Wire ("G" to Regulator to "A" on Generator-Brown)
28	634A298	Motor Generator

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200

1



another free manual from www.searctractormanuals.com

repair parts

15 H.P. SUBURBAN TRACTOR
MODEL NO. 917.25200

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	3039R	Needle Bearing	40	4003P	90 Street Elbow ½ 14 N.P.T.
2	6256H	Axle Thrust Washer	41	9204H	Lock Nut ½ - 20
3	7810H	Gripco Nut 3/8 - 24	42	7648H1	Brake Drum
4	8662H	Final Drive - Gear	43	6271H	Oil Seal
5	633A34	Axle Shaft and Gear	44	4001P	Pipe Plug ¼ - 18 N.P.T.
6	6252H1	Bushing - Differential Pinion	45	8117H	Needle Bearing
7	8657H	Differential Pinion	46	2228M	Woodruff Key 3/16 x ¾ H.T.
8	6263H1	Differential Carrier	47	8659H	4th. Reduction Pinion
9	3056P	Hex Bolt 3/8 - 24 x 3¼ 1" Thread Length	48	6221H	3rd. Reduction Gear Shaft
10	7392M	Steel Ball	49	633A14	High - Low Range Gears and Hub
11	6272H	Spring - Shift Fork Detent	50	633A33	4th. Reduction Shaft and Gear
12	6277H	Dowel Pin	51	633A31	2nd. Reduction Shaft and Gear
13	6269H	Oil Seal	52	1370H	Thrust Bearing Race
14	5855H	Pressure Relief Valve	53	7395H	Thrust Bearing Race
15	4910H	Oil Seal	54	6231H	Low Speed Pinion
16	992R	Sintered Iron Bearing	55	3087P	Hex Bolt 5/16 x 1½ Grade 5 H.T.
17	633A28A	Gear Case Reverse Idler Shaft and Bearings R.H.	56	633A30	Speed Change Gears & Shaft
18	6270H	Oil Seal	57	6218H	Input Shaft
19	504P	Hex Nut 5/16 - 18	58	633A11	Intermediate and High Speed Pinions
20	1007P	Lock Washer 5/16 Extra Heavy	59	7397H	Needle Bearing - Caged
21	541P	Hex Jam Nut 7/16 - 20	60	633A24	Reverse Idler Gear & Bearing
22	7384H	Reverse Idler Shaft	61	7392H	Reverse Idler Thrust Washer
23	5001P	E Ring	62	6216H	Shift Fork Shaft
24	4894H	Needle Bearing	63	6261H	Shift Fork - L.H.
25	4895H	Needle Bearing	64	4926H	Snap Ring Crescent Type
26	7398H	Needle Bearing	65	6262H	Shift Fork R.H.
27	8117M	Needle Bearing	66	6213H	Gear Shift Lever - Straight
28	7396H	Thrust Bearing Race	67	3010P	Hex Bolt 5/16 - 18 x ¾
29	6276H	Snap Ring Crescent Type	68	1003P	Lock Washer 5/16
30	8118M	Needle Bearing	69	6254H1	Gear Shift Ball Cover
31	6266H	Thrust Bearing Race	70	4869H1	Gear Shift Cap
32	6215H	High - Low Range Shift Shaft	71	6259H	Shift Lever Guide Ball - Plain
33	6260H	Shift Fork, High - Low Range	72	4924H	Spring
34	633A32	3rd. Reduction Shaft and Gear (Inc. Key No's. 46,47 and 48)	73	1544P	Washer 15/32 x 59/64 x 16 Ga.
35	6217H	High - Low Range Shift Fork Shaft	74	6273H	Shift Mechanism Seal
36	8119M	Needle Bearing	75	1525P	Washer 9/16 x 15/16 x 12 Ga.
37	6275H	Gasket Gear Case	76	2505P	Cotter 1/8 x ¾
38	633A27	Gear Case and Bearings L.H.	77	633A19	Gear Shift Gate & Reinforcement
39	4002P	Pipe Plug ½ 14 N.P.T.	78	6274H	Gasket - Shift Ball Cover
			79	9858M1	Woodruff Key
			80	1167R	Sealing Washer
			----	633A38	Transaxle Assembly Less Brake Drum

notes

another free manual from www.searstractormanuals.com

notes

R

another free manual from www.searstractormanuals.com

notes

634x128

000001

another free manual from www.searstractormanuals.com

Sears

SEARS TRACTOR GUARANTEE

ISSUED TO

TO THE PURCHASER...

Below space is available to record the serial number, model number, and the date of purchase of your Sears Tractor. We suggest that you record the model number and serial number as this information could be very valuable to you in the future, especially in the case of theft of your tractor, etc. The information also is needed when applying for adjustment under guarantee and also when ordering repair parts.

SERIAL NUMBER

MODEL NUMBER

DATE OF SALE

REMEMBER...

ONLY SEARS HAS IT

A NATIONWIDE SERVICE ORGANIZATION
COAST TO COAST
FACTORY APPROVED PARTS AND
EXPERT FACTORY TRAINED MEN



MAINTENANCE AGREEMENT

A modern low cost, full protection Maintenance Agreement is available on this product, coverage up to two full years if desired. No examination necessary if purchased within 30 days of original Tractor purchase. Contact your nearest Sears Store.