

Sears

owners manual

SUBURBAN 12 H.P. TRACTOR

MODEL NO.
917.25630

CAUTION:
Read Rules for
Safe Operation
and Instructions
Carefully

- Assembly
- Operating
- Maintenance
- Repair Parts



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

SIMPSON-SEARS LIMITED, CANADA

Printed in U.S.A.

Sears

TRACTOR 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 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.

SEARS, ROEBUCK AND CO.
SIMPSON-SEARS LTD.

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TO THE SUBURBAN OWNER

Please accept our congratulations on your investment in a Sears Suburban Tractor. We feel you will obtain from your Suburban the economical and superior performance it is designed to give. It is certain that you will derive a large measure of personal satisfaction from its operation.

Years of tractor manufacturing experience and contact with the actual customer have been combined with advancements in engineering to produce all the features and refinements built into your tractor.

Properly adjusted, operated and maintained, this tractor will respond to every reasonable demand you make upon it and give you reliable service for years to come.

MODEL NUMBER 917.25630

PARTS IDENTIFICATION

ENGINE:

CHECK OIL LEVEL AFTER EVERY 5 HOURS OF OPERATION
CHANGE OIL (AFTER FIRST) EACH 25 HOURS OF OPERATION

TRANSAXLE:

CHECK OIL EVERY 50 HOURS OF OPERATION
CHANGE OIL AFTER EACH 500 HOURS OF OPERATION

AIR CLEANER:

CLEAN CARBURETOR AIR CLEANER PERIODICALLY
ON RECOIL START ENGINE, KEEP POLY-DONUT CLEAN
ON ELECTRIC START ENGINE, KEEP SCREEN CLEAN

LUBRICATION:

FRONT SPINDLES EVERY 5 HOURS OF OPERATION
FRONT WHEELS EVERY 5 HOURS OF OPERATION
STEERING MECHANISM EVERY 5 HOURS OF OPERATION

TIRE PRESSURE:

4.90/4.00 X 8—15 LBS. 16 X 5.00 X 8—15 LBS.
23 X 7.50 X 12—8 LBS. 23 X 8.50 X 12—8 LBS.

BRAKE:

KEEP BRAKE, AND PARKING BRAKE LOCK, IN ADJUSTMENT

BATTERY:

CHECK SOLUTION LEVEL EACH WEEK, ADD DISTILLED WATER
IF NECESSARY

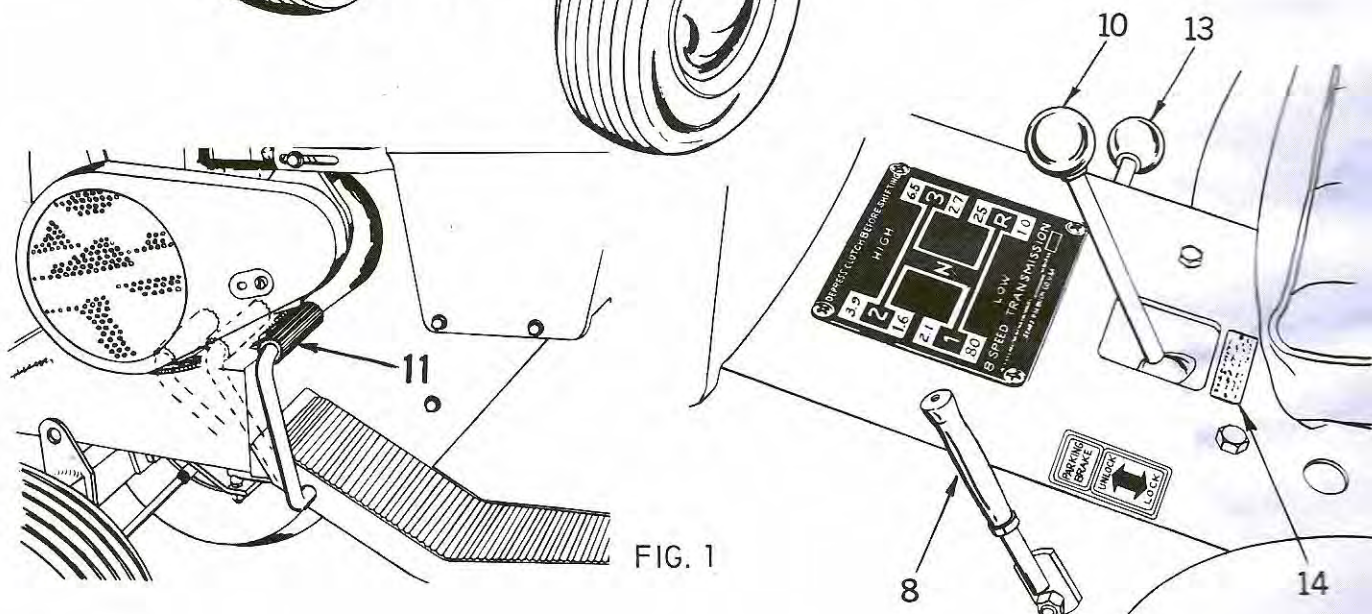
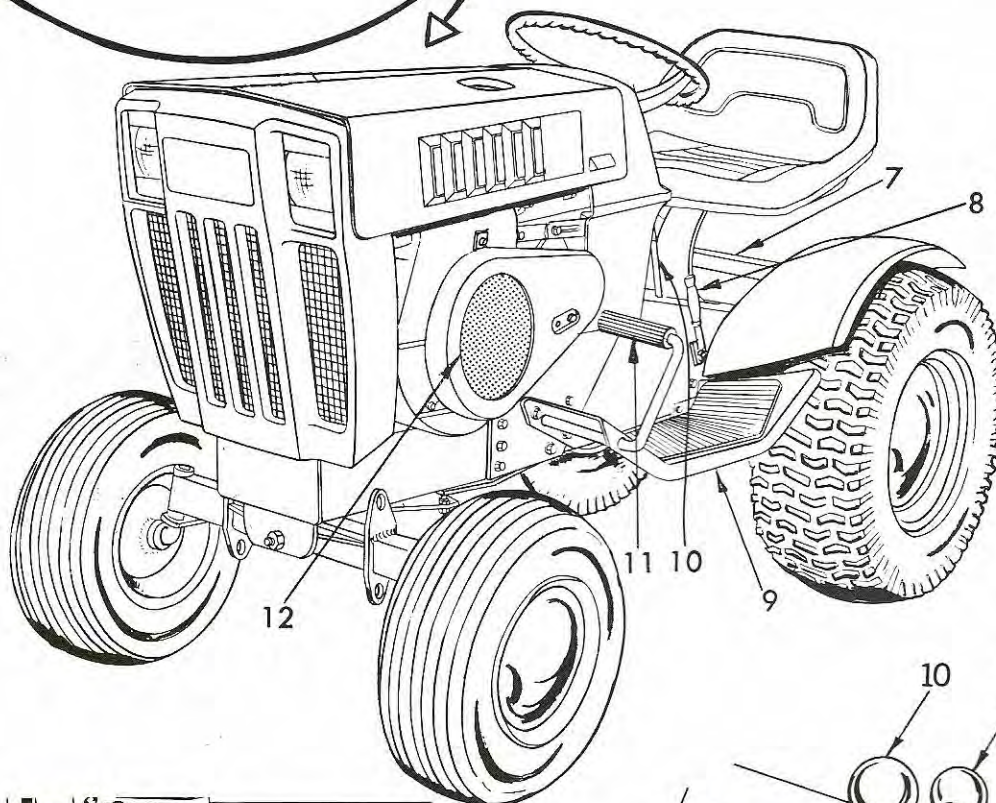
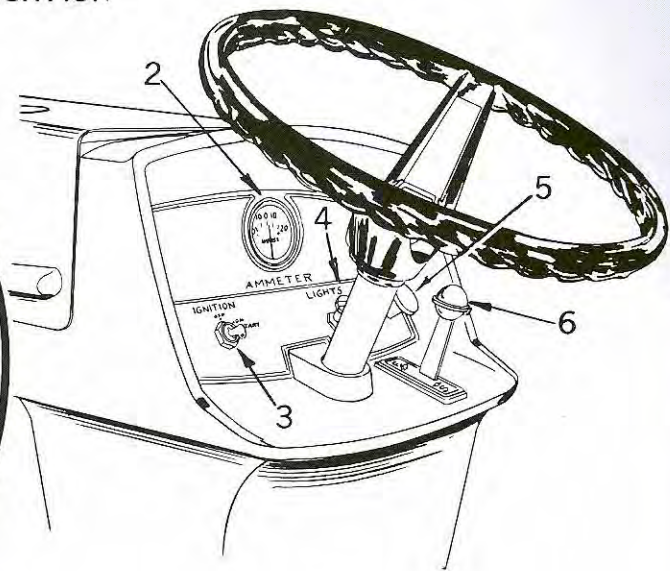


FIG. 1

PARTS IDENTIFICATION

1. MAINTENANCE REMINDER
(Located on Underside of Hood)
2. AMMETER
3. IGNITION SWITCH
4. LIGHT SWITCH – Headlights and Tail Light
5. CHOKE
6. THROTTLE CONTROL LEVER
7. TOOL BOX
8. PARKING BRAKE
9. FOOT REST
10. GEAR SHIFT LEVER
11. DRIVE, CLUTCH AND BRAKE PEDAL
12. STARTER AIR SCREEN
13. RANGE SHIFT LEVER (High-Low Range)
14. MODEL NUMBER PLATE
15. FUEL TANK CAP AND GAUGE
16. OIL FILLER CAP AND DIP STICK
17. ENGINE OIL DRAIN PLUG
18. BELT GUARD
19. FUEL TANK SHUT-OFF VALVE
20. CARBURETOR DRAIN
(Located on Right Hand Side)

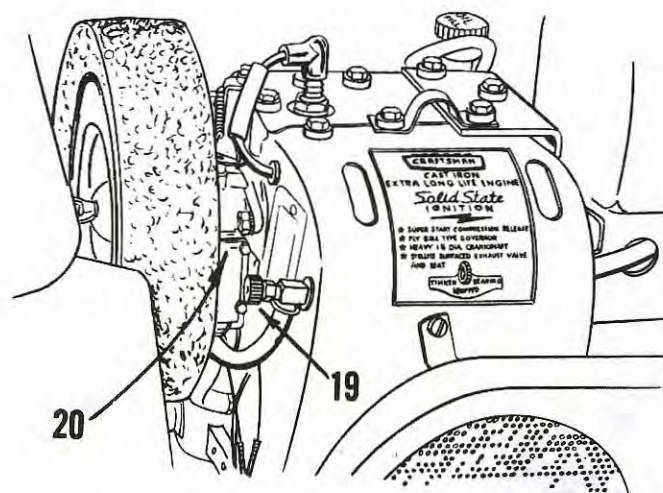
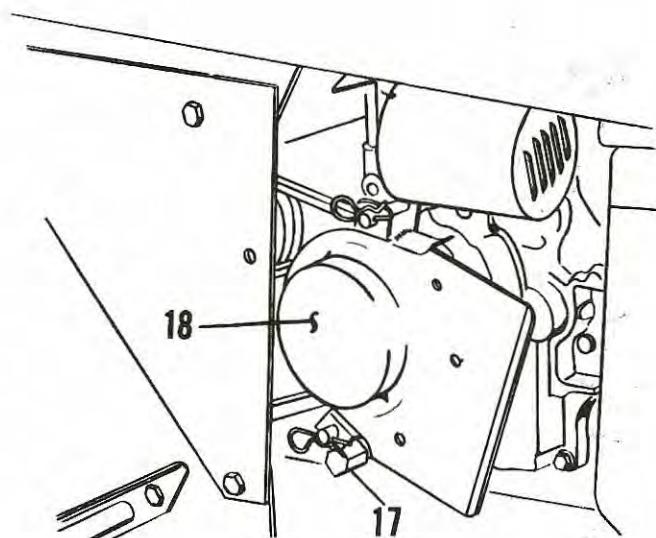
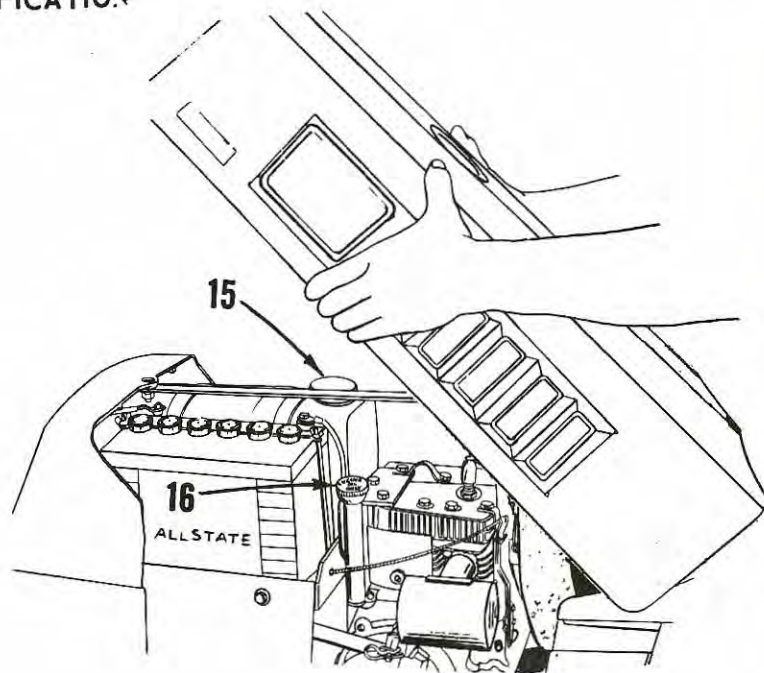


FIG. 2

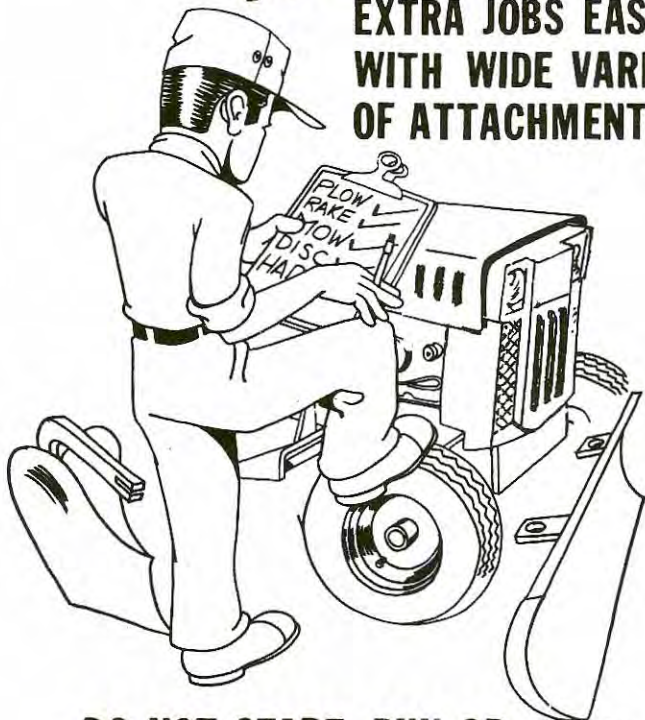
YOU CAN DO MANY JOBS EASILY WITH THE WIDE VARIETY OF ATTACHMENTS BUT, FIRST OF ALL BE CAREFUL!

DO NOT START, RUN OR REFUEL IN A CLOSED BUILDING.

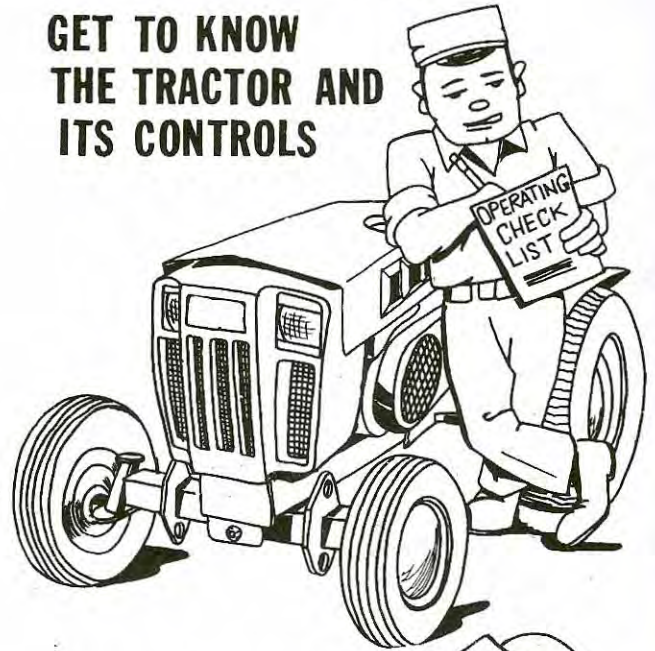
ONLY ONE PERSON ON THE TRACTOR AT A TIME.

RULES OF SAFETY

**EXTRA JOBS EASIER
WITH WIDE VARIETY
OF ATTACHMENTS**



**GET TO KNOW
THE TRACTOR AND
ITS CONTROLS**



**DO NOT START, RUN OR
REFUEL IN A CLOSED
BUILDING**



**LOOK BEFORE
BACKING!**



NO RIDERS!



**ALWAYS
START IN
NEUTRAL!**



SETTING UP INSTRUCTIONS

A number at the beginning of a paragraph in the following instructions refers to an arrow in the adjoining figure except when otherwise stated. When R.H. (Right Hand) and L.H. (Left Hand) are used, it should be understood to mean from a position behind and facing the tractor (or direction of travel). Reference to "front" indicates the engine and hood end of tractor, and the "rear" the transmission.

1. Remove carton from around tractor. You have an electric start tractor, remove battery from crate bottom and prepare for operation as given below. This will require about $2\frac{1}{2}$ to 3 hours of time.
2. Cut banding holding tractor to crate bottom.
3. Tires were over-inflated for shipping purposes. Reduce air pressure to 15 lbs. in front tires and 8 lbs. in rear tires.
4. This tractor has been completely assembled at the factory, except for battery installation. The battery was shipped dry. Below are instructions for filling and installing battery.
5. Lubricate the tractor, refer to Lub Chart page 11.
6. Add fuel. Use a good grade of regular, clean, fresh gasoline. Do NOT mix oil with gasoline. Refer to page 7.

FILL AND CHARGE BATTERY

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

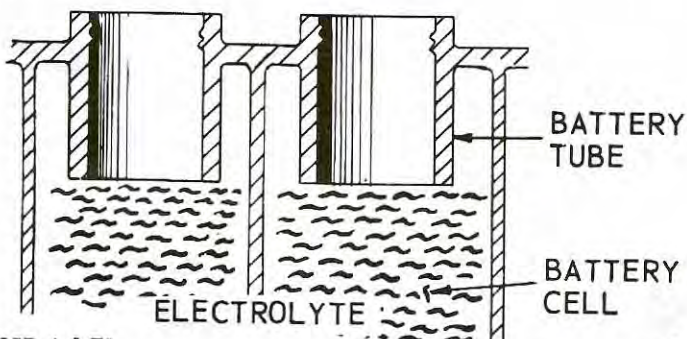
1. Fill battery with electrolyte and charge battery as outlined in instructions in battery container.
- NOTE: After filling cells, let battery stand for thirty minutes. Then charge battery at a rate not exceeding three (3) amperes for about $2\frac{1}{2}$ hours.

FILL BATTERY AS SHOWN

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



CUT-AWAY VIEW
OF BATTERY



BATTERY INSTALLATION

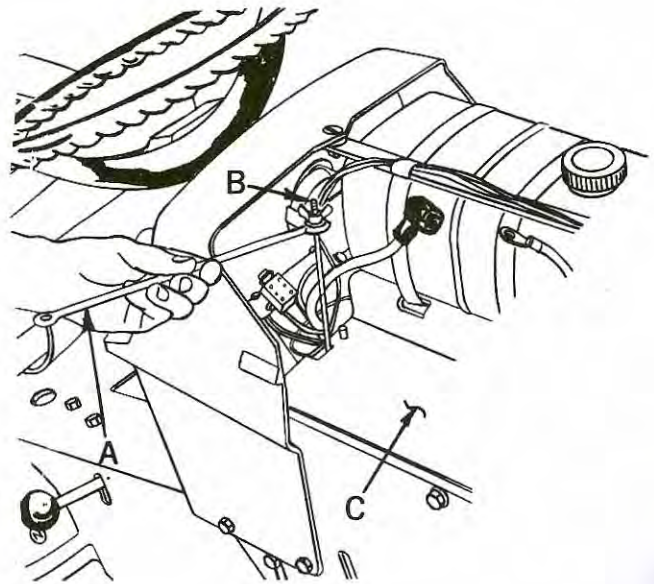


FIG. 3

2. Lift cowl, refer to Fig. 8. Assemble clamp (A), to one of two battery bolts (B). Flat washer and wing nut above clamp as shown in Fig. 3. Hook the bolt into rear of battery support (C), and turn clamp to the side as shown to allow positioning of battery. Bolt, clamp, washer and wing nut shipped in plastic bag located beneath cowl. Battery installation continued on page 6.

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 YOU OPERATE THE TRACTOR MOST EFFICIENTLY.

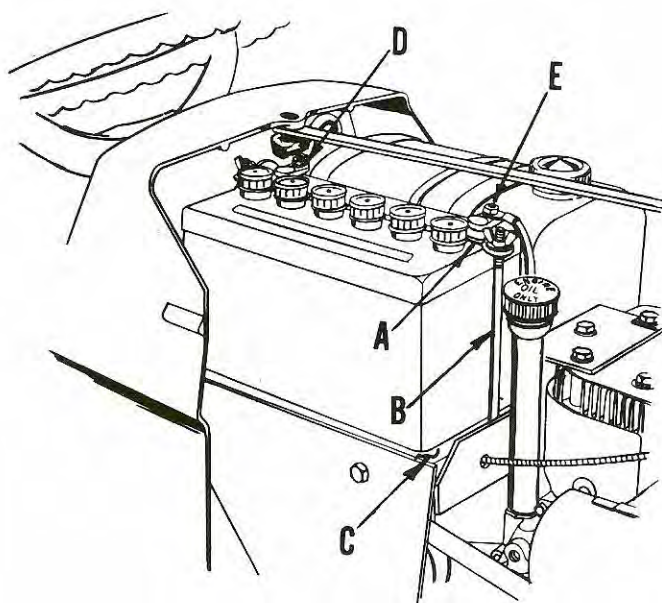


FIG. 4

3. Slide battery into position as shown, with terminals to center of tractor.
4. Hook the battery bolt (B), into the front of the battery support (C). Assemble clamp (A), to bolt (B), with the remaining washer and wing nut. Tighten both wing nuts securely.
5. Connect starter switch cable (D, red cover), to plus (+) terminal. Tighten nut securely. Nut shipped in plastic bag. Press cable cover (black) down over terminal.
6. Connect ground cable (E, black cover), to negative (-) terminal. Tighten nut securely. Nut shipped in plastic bag.

BELT GUARD

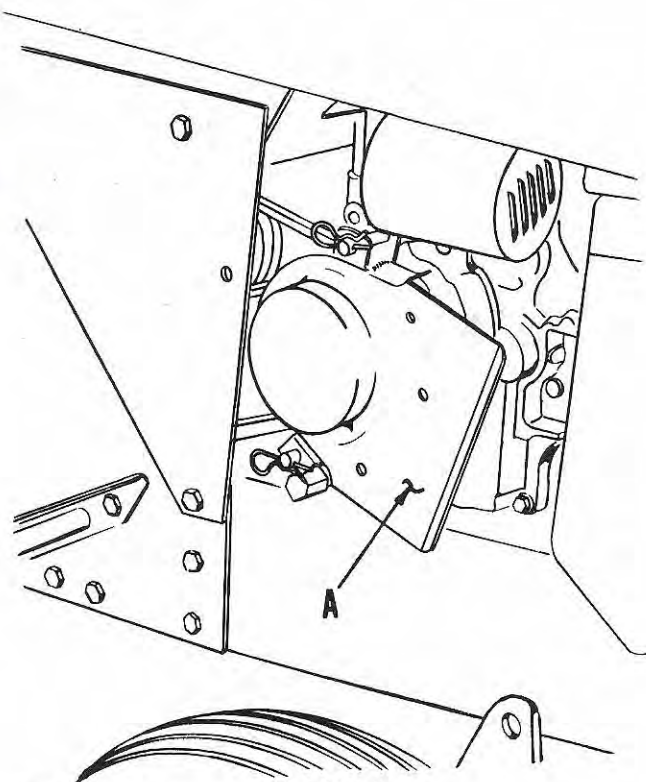


FIG. 5

1. The belt guard (A, Fig. 5), is used for the Rotary Mower, Cutter Bar Mower and Rotary Snowplow. However, this belt guard can be left in place for normal tractor operation even when one of the above attachments are not being used. The machine screws, bushings and nuts shipped with guard should be stored in a safe place or positioned in the guard for safe keeping. Instructions for the placement of the screws, bushings and nuts were shipped in same plastic bag.

BEFORE STARTING THE ENGINE

KNOW THE CONTROLS AND HOW TO STOP QUICKLY. Become thoroughly familiar with the operating controls before starting the engine.

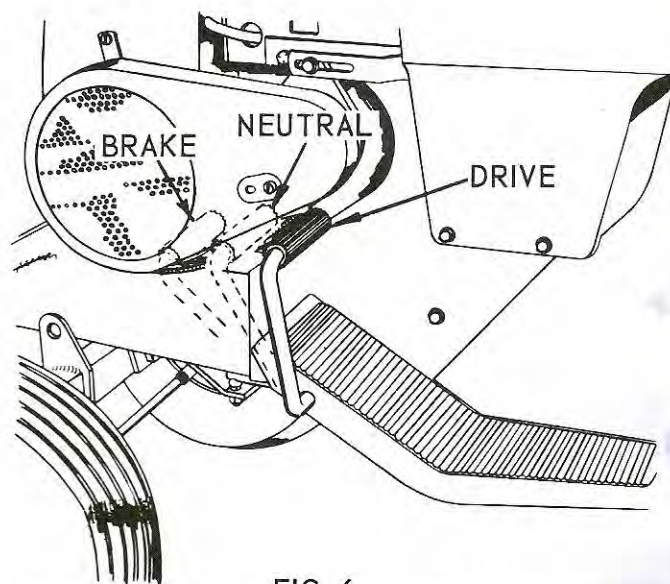


FIG. 6

The following controls are used to operate the tractor:

1. 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.
 - a. The clutch is in DRIVE position when the pedal is all the way out (i.e. when the foot is removed from the pedal).
 - b. The clutch is in NEUTRAL when the pedal is depressed half way or more.
 - c. The BRAKE is on when the pedal is pressed all the way forward.

KNOW THE CONTROLS AND HOW TO STOP QUICKLY--READ THE OWNERS MANUAL.

DO NOT ALLOW CHILDREN TO OPERATE MACHINE; NOR ADULTS TO OPERATE IT WITHOUT PROPER INSTRUCTION.

ALWAYS START IN NEUTRAL.

BEFORE STARTING THE ENGINE--Continued

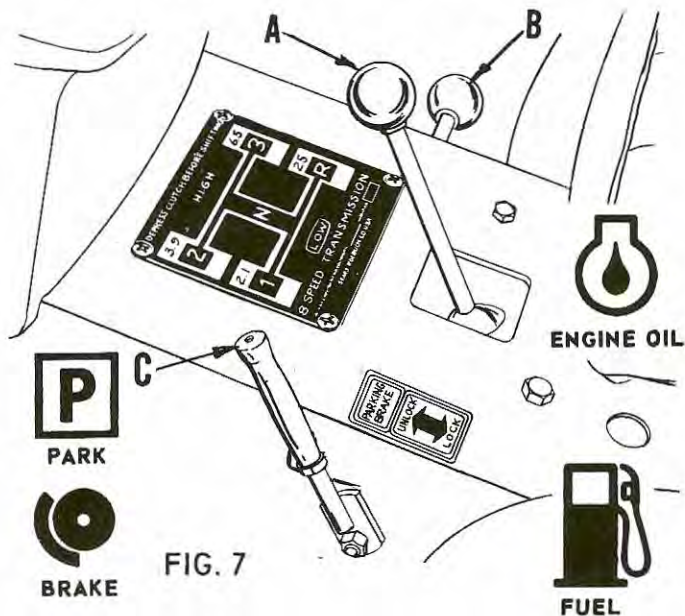


FIG. 7

2. The transmission (transaxle) gear shift lever (A), is located at front, center of seat.
 - a. The gear shift level selects the FORWARD speeds, the NEUTRAL and REVERSE speeds.
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. Place gear shift lever in neutral position for starting tractor. 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

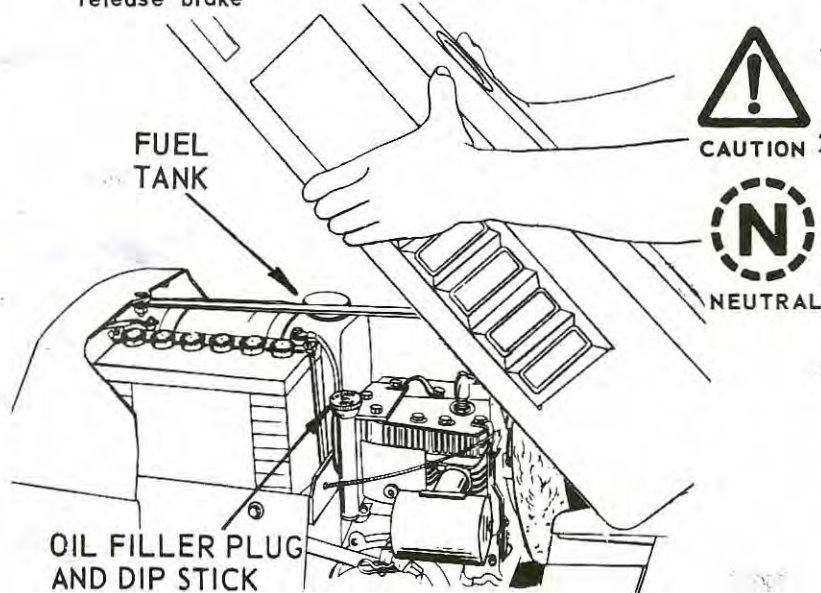


FIG. 8

Steps 5, 6 and 7 refer to Fig. 8.

5. To lift cowl, grasp each side of cowl at rear and pull outward and upward. Lift cowl to its extreme position.
6. Engine crankcase is shipped with oil ready for use. However, check oil level before starting. If necessary, add oil to bring oil level up to the full oil mark on the dipstick. Dipstick must be screwed in tight for checking oil level, and tractor should be level. NOTE: Do not fill above full mark on dipstick. Use Allstate Regular M.S. S.A.E. #30 oil or equivalent. If not available, use Allstate Multi-grade all weather oil S.A.E. 10W-20W-30W or equivalent. NOTE: Use S.A.E. 10W oil below 32 degrees.
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.

HOW TO START AND STOP TRACTOR

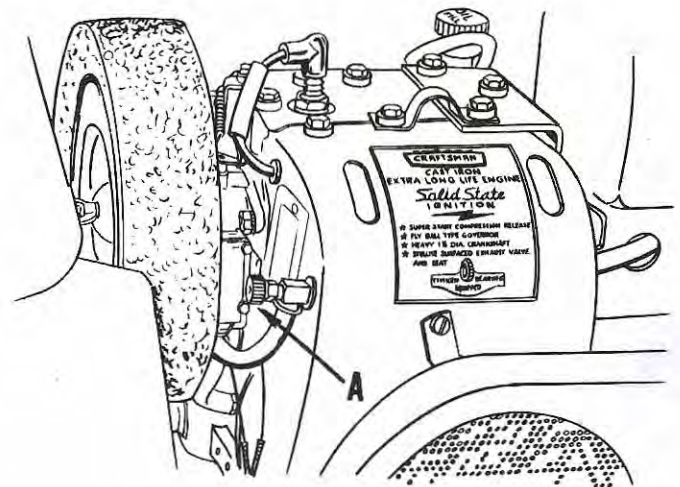


FIG. 9

1. Open gasoline shut-off valve (A, Fig. 9). Close gasoline shut-off valve after each days use.
2. CAUTION: Before starting the engine, check to be sure that controls are as follows:
 - a. Transmission gear shift lever (A, Fig. 7), is in NEUTRAL.
 - b. The high-low range lever (B, Fig. 7), is in NEUTRAL.
3. Your tractor is equipped with a safety start switch. It is therefore necessary to depress foot pedal all the way down (forward), refer to Fig. 6, before engine can be started.

HOW TO START AND STOP TRACTOR--

Continued

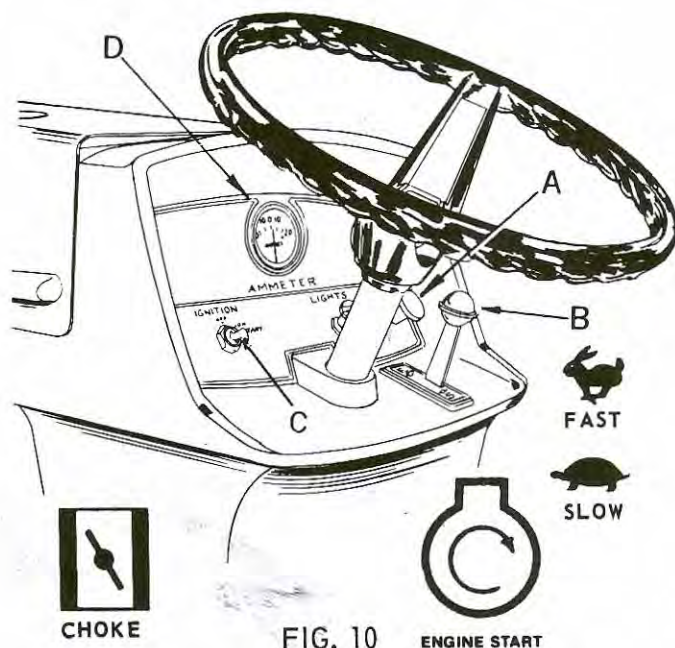


FIG. 10 ENGINE START

4. Pull out choke control (A, Fig. 10), to full choke position to start in cold weather.
5. Advance throttle control lever (B, Fig. 10),
6. Depress foot pedal all the way down and turn ignition-start key (C), clockwise to engage starter. When engine starts, release key. After engine starts, push in choke control (A), 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 (B, Fig. 10), to FAST position. Wait for two minutes and try again.

7. Ammeter (D), indicates rate of battery charge or discharge when ignition is on.
8. To stop engine, turn key (C, Fig. 10), 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.



CAUTION: AFTER OPERATING THE TRACTOR OR ENGINE, NEVER TOUCH THE MUFFLER UNTIL IT HAS HAD SUFFICIENT TIME TO COOL.

TO OPERATE TRACTOR

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 and shift to a slower ground travel speed. Always select a ground travel speed so that engine is not overloaded.
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 park brake lock and release foot pedal. Always check to make sure brake lock will hold tractor secure. Shut-off and remove key from switch. This will prevent unauthorized operation. Never leave engine running with tractor unattended.



DO NOT DECLUTCH GOING UP OR DOWN HILLS--

SAFE OPERATION

1. 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 throttled back to idling speed without declutching, and this procedure is recommended before applying brake.



CAUTION

DO NOT OPERATE TRACTOR ACROSS SLOPES OF MORE THAN A 25 PERCENT SLOPE (14 DEGREES), OR UP OR DOWN SLOPES WITH MORE THAN A 35 PERCENT SLOPE (19 DEGREES).

3. 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".
4. Sideways upsets happen easily in ditches. Be alert for holes or other hidden hazards.
5. If tractor becomes mired in a hole, try to back out rather than driving forward.

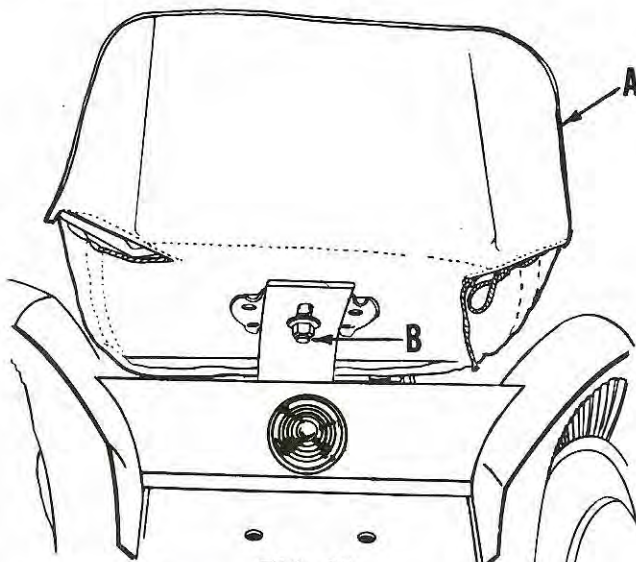


FIG. 11

SEAT POSITION

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

TOWING TRACTOR

Place gear shift lever and range lever in neutral position. Tractor can then be towed at a reasonable safe speed.

1135R-4.1.71

ENGINE PULLEY GROOVES TO USE FOR YOUR VARIOUS ATTACHMENTS

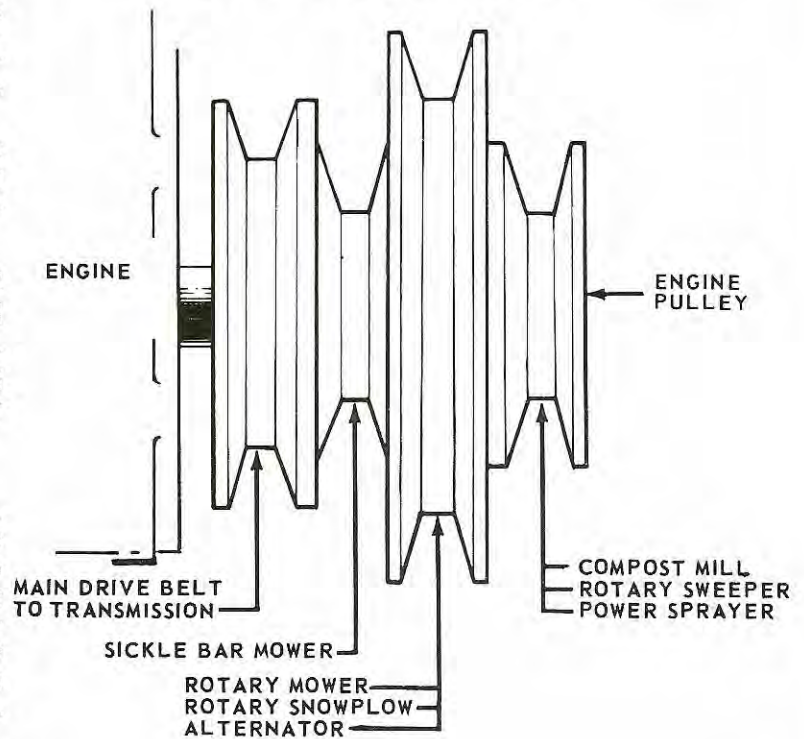


FIG. 12

STARTER AIR SCREEN

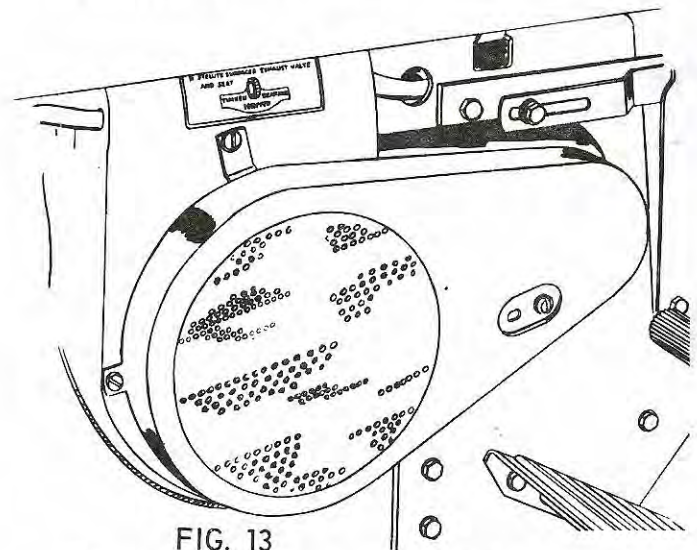
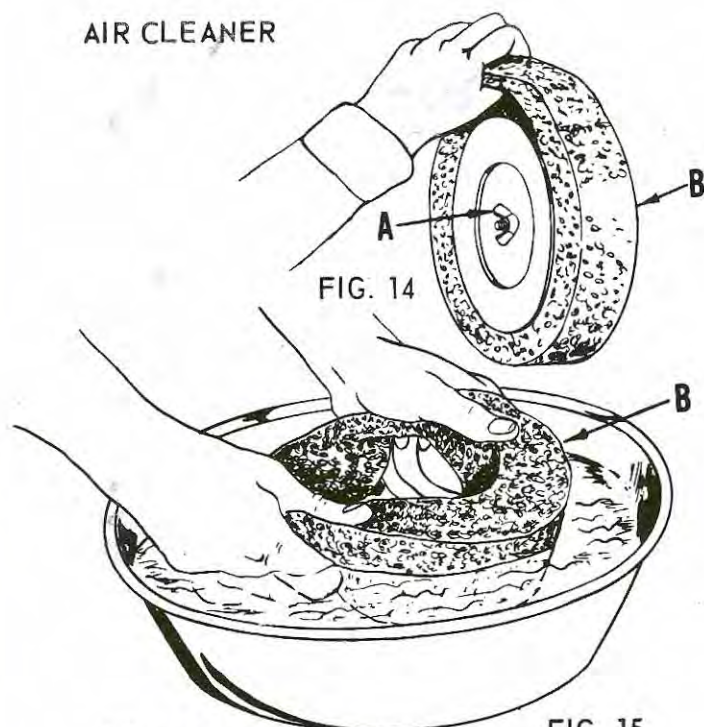


FIG. 13

The starter air screen, illustrated in Fig. 13, is designed to keep grass, chaff and large leaves from entering the cooling system and must be cleaned periodically. The cleaning of this starter air screen will vary with the conditions in which the tractor is used. The starter air screen should not be allowed to become too plugged or dirty which would interfere with the cooling of the engine.

KEEP ENGINE CLEAN. THIS ENGINE IS AIR COOLED. IF COOLING SYSTEM BECOMES CLOGGED, SERIOUS DAMAGE MAY RESULT. THEREFORE, KEEP THE BLOWER SCREEN, FINS ON FLYWHEEL, CYLINDER HEAD AND BLOCK FREE FROM GRASS OR DIRT.

AIR CLEANER



NOTE: If air cleaner becomes too dirty, engine will not receive sufficient air to run properly. Symptoms: Loss of power, flooding, hard to start and overheating.

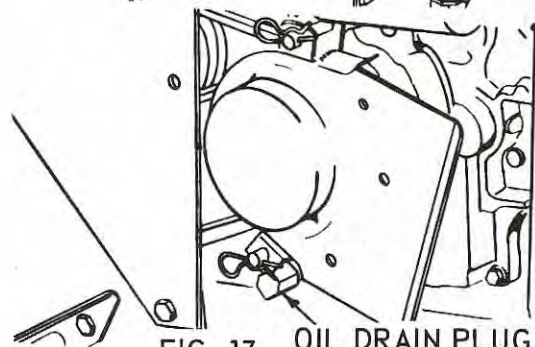
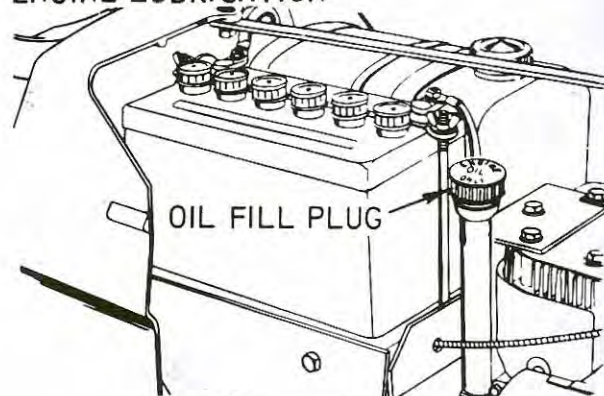
Your engine is equipped with a polyurethane pre-cleaner (B, Fig's. 14 and 15), that must be removed, cleaned and oiled every 25 hours of operation, or more often under dusty conditions.

1. To service the pre-cleaner, carefully stretch pre-cleaner over the outer metal cover and wash in water and detergent, refer to Fig. 15. Remove excess water by squeezing as a sponge and allow to dry thoroughly. Distribute three tablespoons of S.A.E. No. 30 engine oil evenly around pre-cleaner. Knead into and wring excess oil from pre-cleaner.
2. Depending on conditions in which the tractor is operating, the inner paper element (C, Fig. 16), should be replaced whenever it becomes excessively dirty. To service inner paper element, loosen wing nut (A, Fig. 14), that holds outer metal cover to bracket, and remove complete air cleaner assembly. Slip pre-cleaner from inner paper element. Handle inner paper element with care to avoid perforations or distortion of shape.
3. To reassemble, slip pre-cleaner (B), over inner paper element (C). Carefully hold complete air cleaner assembly in place on bracket and replace outer metal cover and secure with wing nut. Recheck to see that air cleaner assembly is in proper position.

NEVER RUN YOUR ENGINE WITHOUT AIR CLEANER COMPLETELY ASSEMBLED.

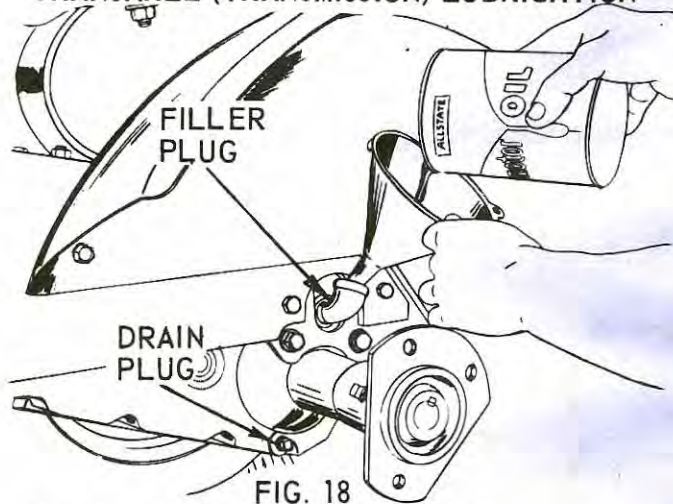
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ENGINE LUBRICATION



1. Change oil in crankcase after first 2 hours of operation. Engine should be warm when oil is changed.
2. To drain oil, unscrew oil drain plug at lower R.H. side of engine, see Fig. 17. Catch oil in suitable container.
3. Refill engine crankcase with oil as instructed under "Before Starting the Engine", page 7. Capacity 3 pints. Check oil level after each five 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



Rear wheel is removed for illustrating.

1. Check oil in transaxle every 50 hours of operation. To check oil level, remove filler plug (Fig. 18), from transaxle. Oil level should be even with this plug.
2. Change oil in transaxle after 500 hours of operation. To drain, remove drain plug and catch oil in suitable container.
3. To fill transaxle, use 5 qts. of Allstate S.A.E. 30 motor oil for service MM or MS or equivalent. Fill through filler plug as shown.

LUBRICATION CHART

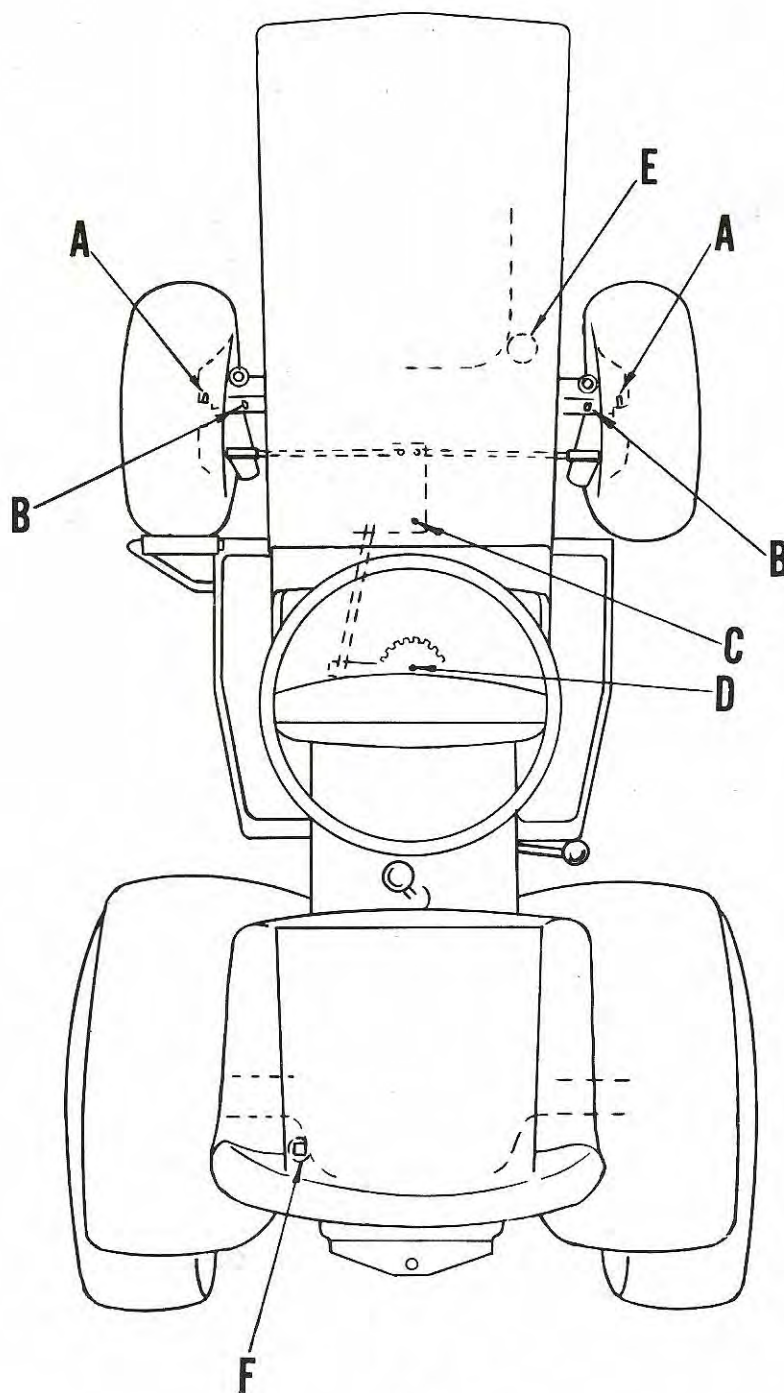


FIG. 19

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 operation. 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 every 500 hours of operation.

- - Apply several drops of oil to all pivot points every 5 hours of operation.

BELT ADJUSTMENT

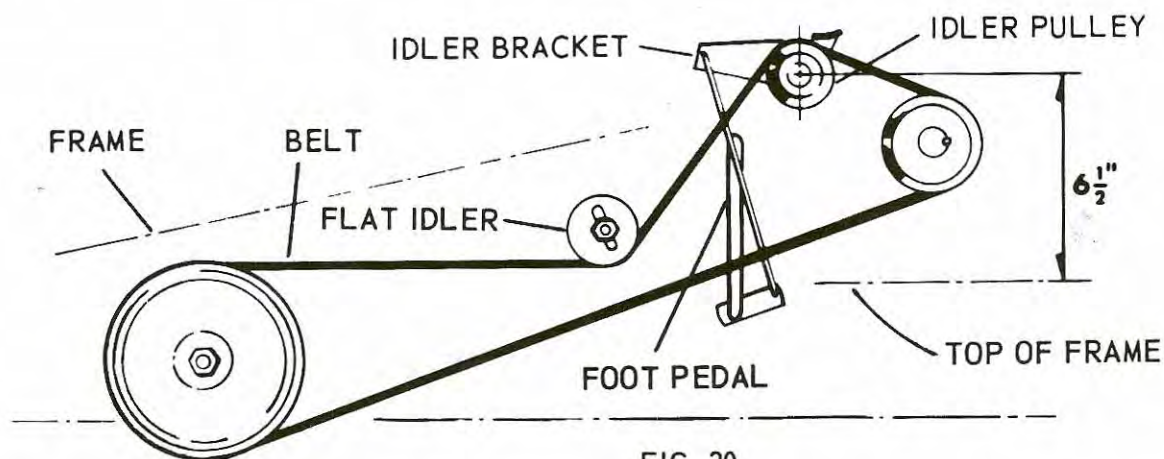


FIG. 20

1. Loosen bolt in flat idler and frame, and push idler and bolt down in slot of frame until center of idler pulley on idler bracket (just back of engine) is 6 1/2 inches above frame as shown. Tighten bolt in flat idler and frame securely.

NOTE; Foot pedal should be in vertical or just back of vertical position with clutch engaged. New belts will stretch after a few hours of operation, then after initial stretch, adjustment is seldom necessary, so adjust belt after first 10 hours of operation.

BRAKE ADJUSTMENT

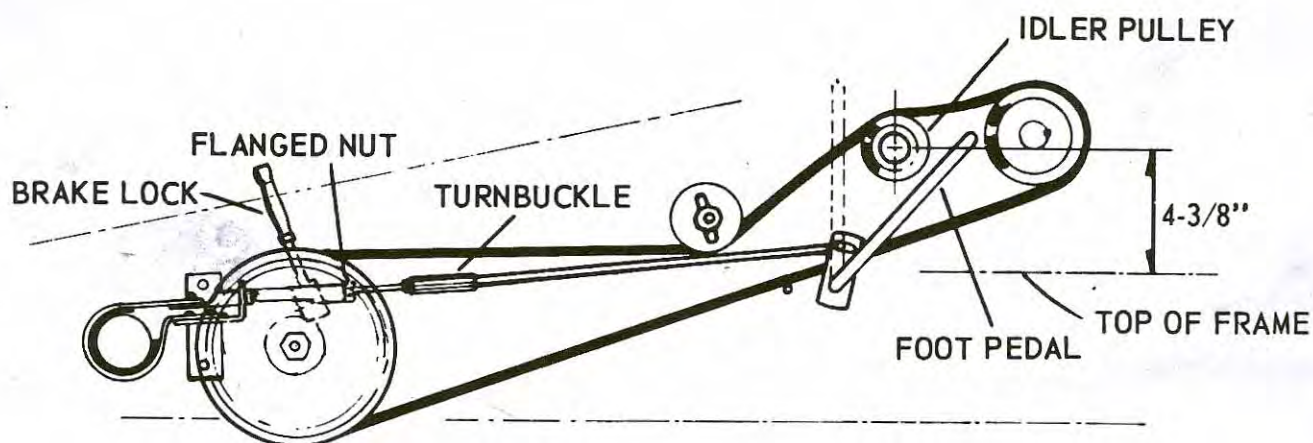


FIG. 21

To adjust brake, loosen nut back of turnbuckle and turn turnbuckle (clockwise when standing in front of tractor) one turn at a time until foot pedal has about 4 inches of travel from clutch engaged to full brake position, or center of idler is about 4-3/8 above frame as shown.

Tab on idler bracket will deflect belt slightly. Tighten jam nut against turnbuckle to lock turnbuckle in position. Keep brake properly adjusted especially in hilly terrain.

PARK BRAKE LOCK ADJUSTMENT

The flanged nut is adjustable forward or backward on rear brake rod so that lock assembly will hold brake full on when parking lock is pulled up (lock position). Tighten jam nut against flanged nut to lock flange nut in position. As brake band wears, flanged nut will have to be readjusted.

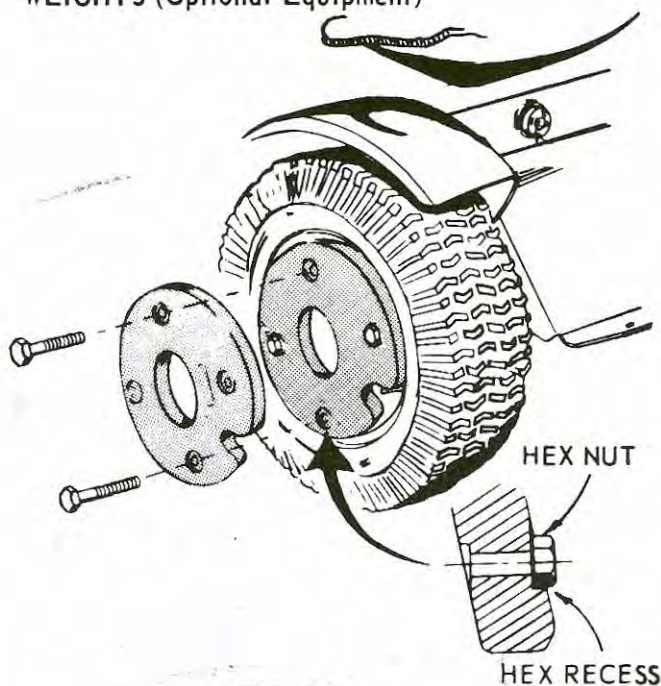


FIG. 22

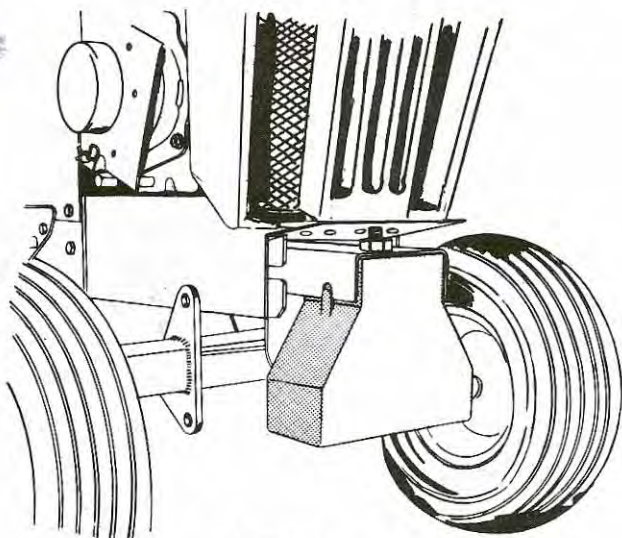


FIG. 23

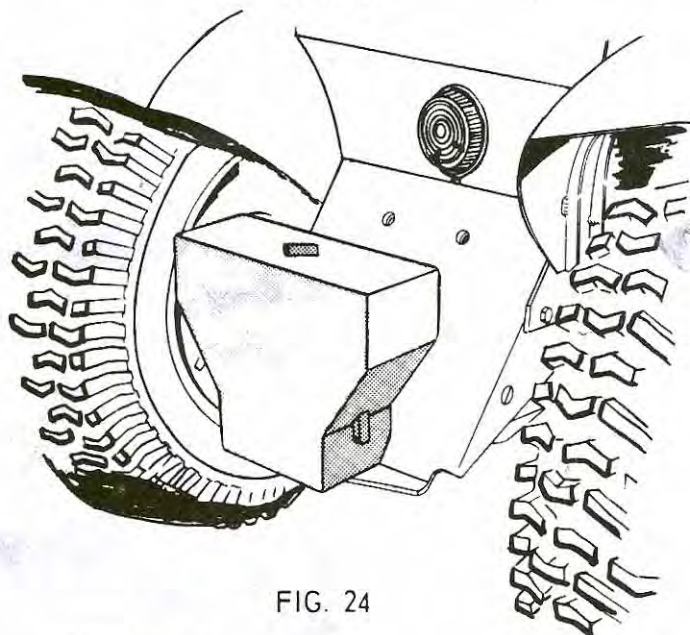
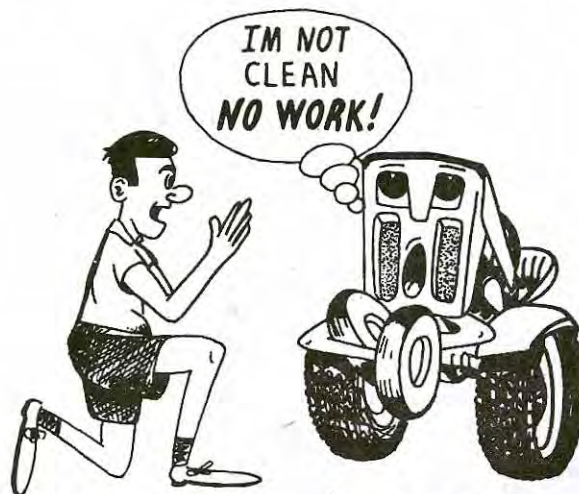


FIG. 24

Rear wheel weights (Fig. 22), 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. 23 and 24), will act as a counterweight for heavy front or rear loads or attachments. Especially helpful with rotary snowplow.



IMPORTANT BATTERY CARE

Proper attention to the battery on units so equipped is of the utmost importance.

Your battery is of the same high standard as is used in automobiles. Unfortunately it does not have the advantage 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 replacements.

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 caps 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.**

TROUBLE SHOOTING

Possible Cause

Possible Remedy

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, see page 10.
Spark plug dirty or improper gap.....	Clean, adjust the gap or replace. Refer to engine manual.
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 9. Be sure fins on cylinder head and around cylinder are clean.
Partially plugged air cleaner.....	Remove and clean, See page 10.
Low oil level or dirty oil.....	Check or change oil, see page 10.
Improper carburetor adjustment.....	Refer to engine manual.
Spark plug dirty, wrong gap or wrong type.....	Clean, reset the gap or replace.
Engine overloaded.....	Shift to a lower gear or reduce load.
Faulty ignition.....	Check spark plug and for loose wires. If trouble cannot be corrected, contact Sears.
Belt slips.....	Tighten belt. Refer to page 15.
Oil in gasoline.....	Drain and refill gasoline tank and carburetor. Oil reduces the efficiency of the engine.
Poor compression.....	Contact Sears.

ENGINE OVERHEATS

Dirty starter air screen.....	Clean screen over starter, see page 9.
Low oil level or dirty oil.....	Check or change oil, see page 10.
Partially plugged muffler.....	Remove muffler from engine and clean.
Poor fuel or too lean a mixture.....	Refer to engine manual.
Partially plugged air cleaner.....	Remove and clean, see page 10.
Dirty engine.....	Clean fins on cylinder head and around cylinder.

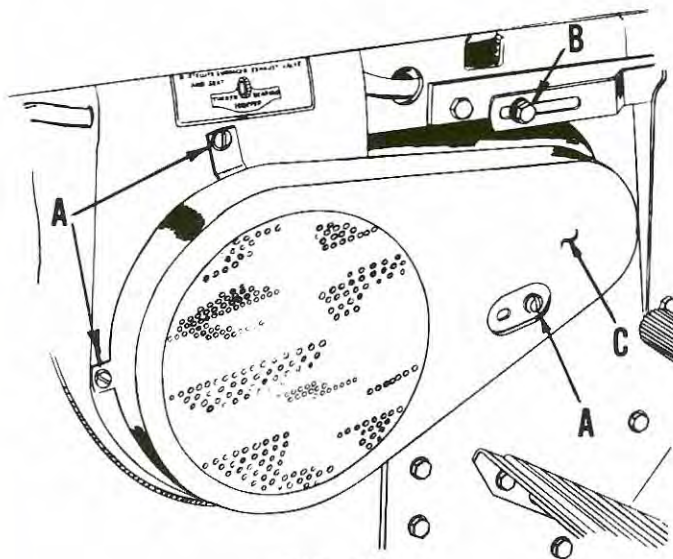


FIG. 25

STARTER-GENERATOR BELT ADJUSTMENT

1. Remove 3 screws (A) holding belt guard to engine.
2. Loosen bolt (B) in generator adjusting strap and generator, move starter generator back to tighten belt and 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.

HOW TO START IF BATTERY IS LOW

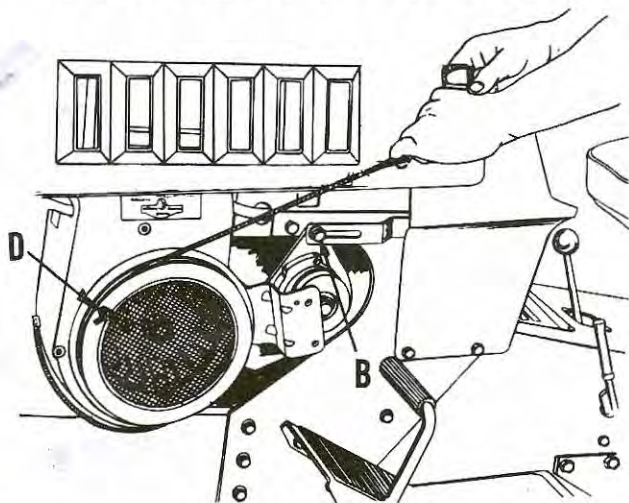


FIG. 26

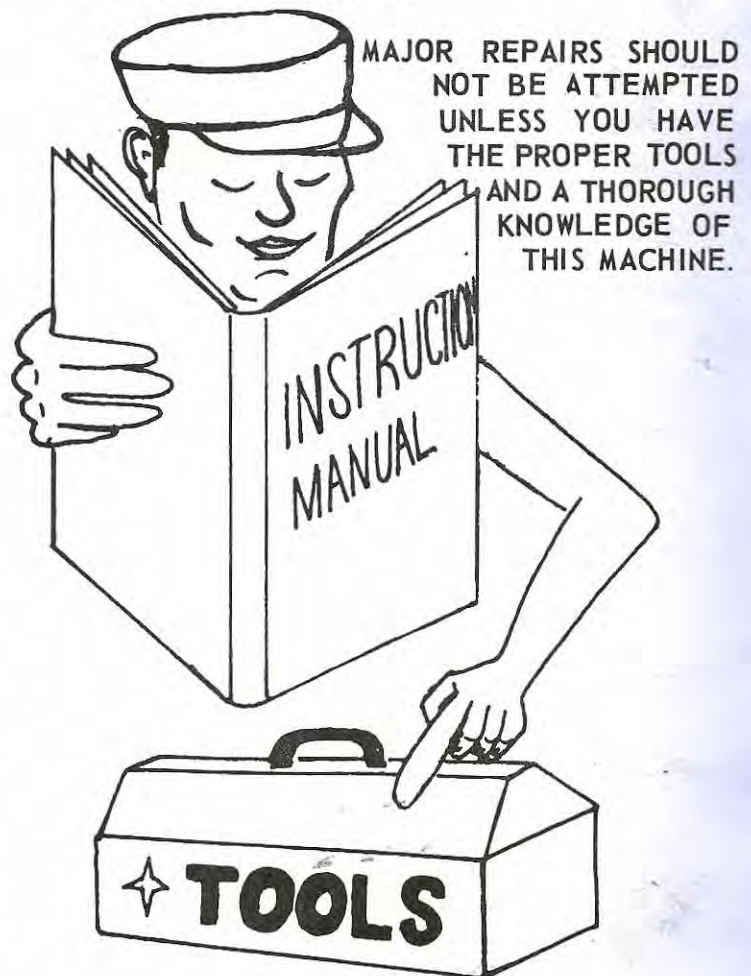
1. The quickest method would be to connect quick-start battery cables or "jumpers" from your automobile 12 volt battery to the tractor battery.

CAUTION: Connect positive (+) terminal to positive (+) terminal.

2. Method number two will NOT charge battery, but is strictly emergency starting only.
 - a. Remove the three screws (A, Fig. 25). This will allow removal of belt guard assembly (C, Fig. 25).
 - b. Loosen nut (B, Fig. 26), 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, refer to Fig. 26.
 - 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. 26).

DISCONNECT SPARK PLUG WIRE AT SPARK PLUG BEFORE PERFORMING ANY MAINTENANCE TO PREVENT ACCIDENTAL STARTING OF ENGINE.



TIRES

Keep tires inflated to 15 pounds of air in front; 8 pounds in rear.

To repair a punctured FRONT tire:

1. Block wheel up on a solid object high enough for the tire to clear floor.

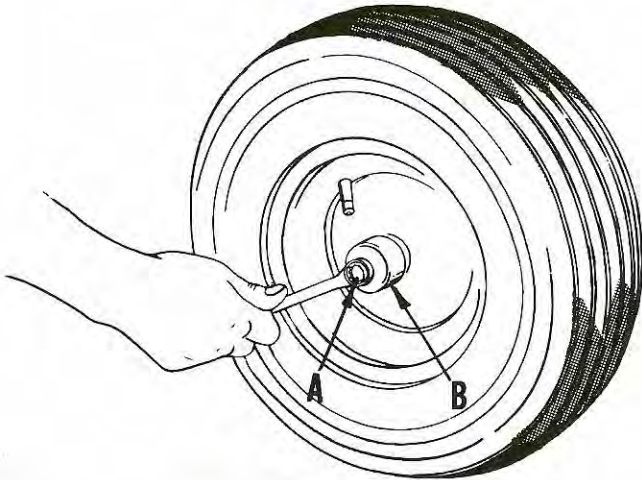


FIG. 27

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

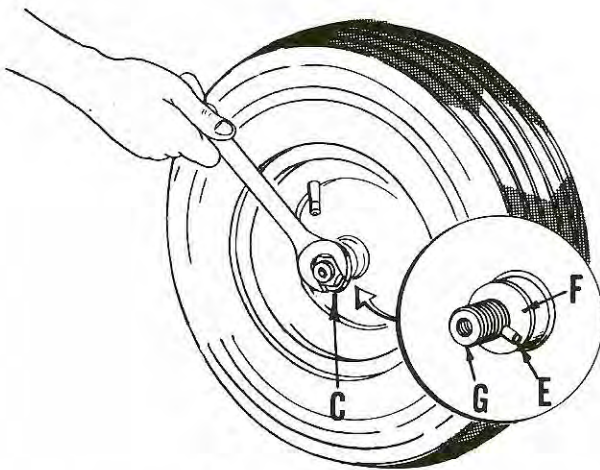


FIG. 28

3. Remove gripco nut (C), wear washer (D), pin (E), and washer (F), from spindle shaft assembly (G). Refer to Fig's. 28 and 29.

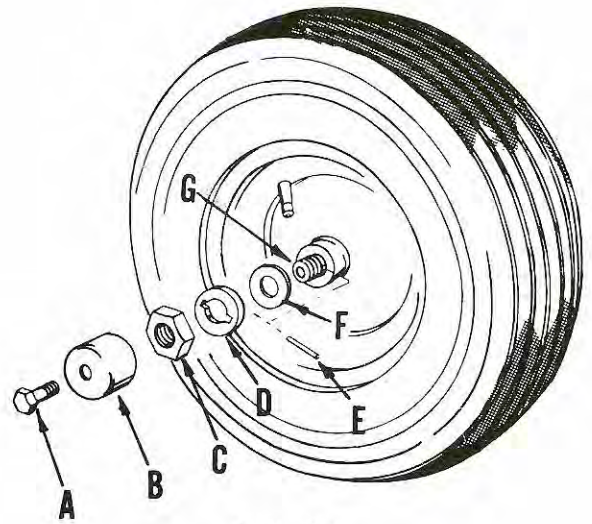


FIG. 29

4. Reverse procedure for reassembly, refer to Fig. 29.

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.



Safety 1st

STOP ENGINE AND WAIT SEVERAL MINUTES BEFORE CHECKING OIL LEVEL.

NOTE: THE BEST TIME TO DRAIN OIL IS AT THE END OF A DAY'S OPERATION AT WHICH TIME THE OIL IS HOT AND ALL DIRT AND FOREIGN MATERIAL IS SUSPENDED IN THE OIL.

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 at 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 produce 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.

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 gas tank.
2. Drain carburetor by allowing engine to run out of gasoline. Then push in drain valve (A, Fig. 30), to remove all gasoline from carburetor. Evaporating gasoline will leave gum deposits if not drained completely. These deposits make fuel systems inoperative resulting in a hard or nonstarting engine when again used.
3. LUBRICATE CYLINDER by removing the spark plug and pouring one ounce of clean lubricating oil through the spark plug hole into the cylinder. Crank the engine slowly to spread oil and replace Spark Plug.
4. CLEAN ENGINE of all foreign matter.
5. Do not save or store gasoline over winter.

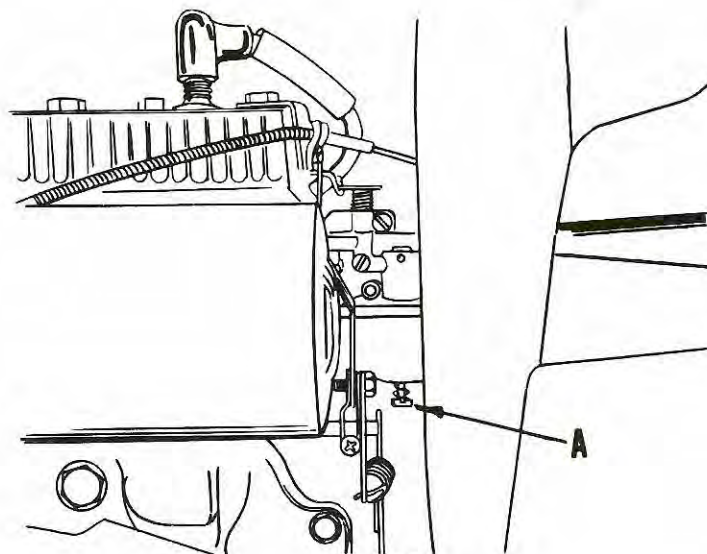


FIG. 30

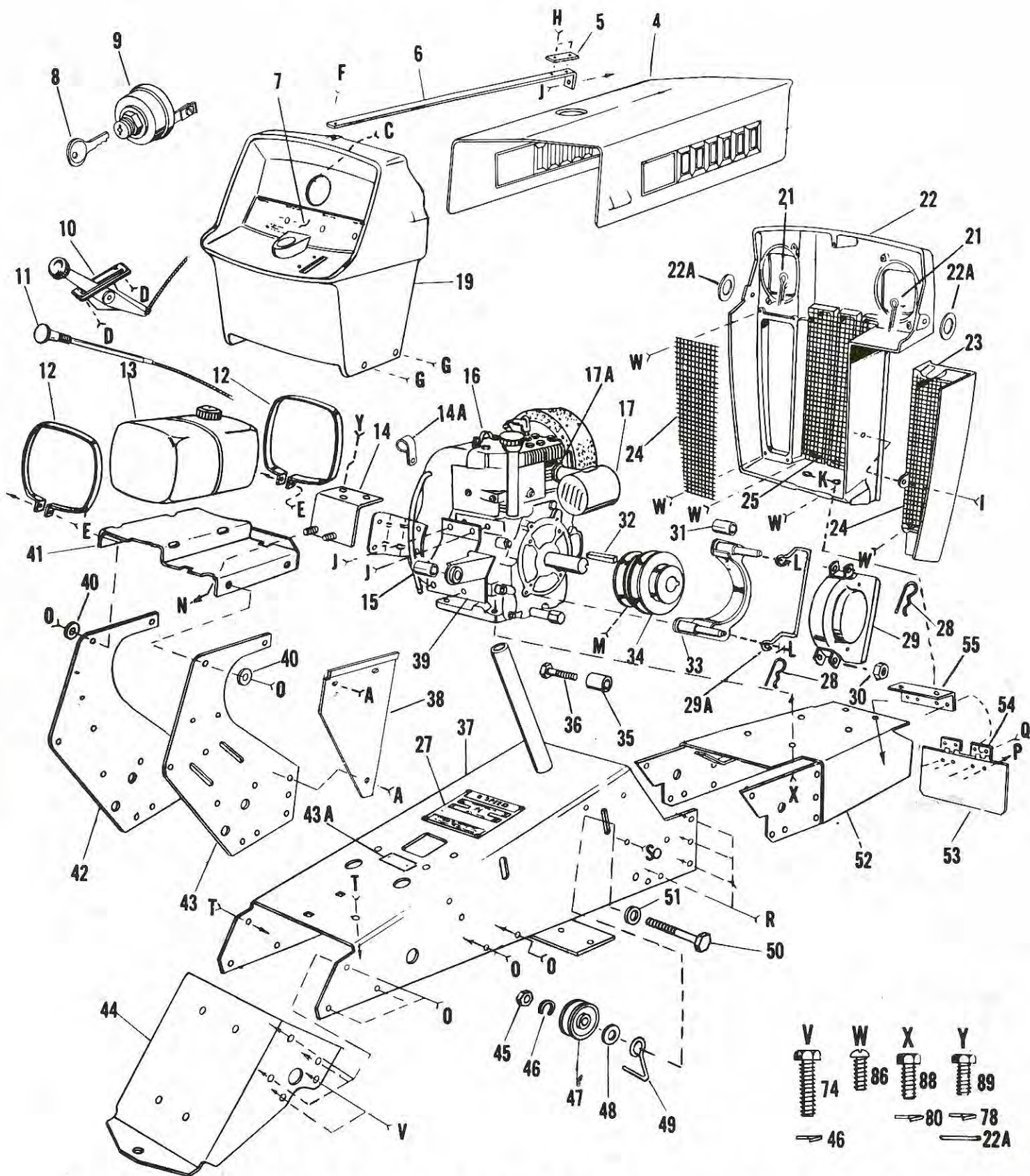
GENERAL

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.



Sears, Roebuck and Co. or Simpsons-Sears Limited 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.

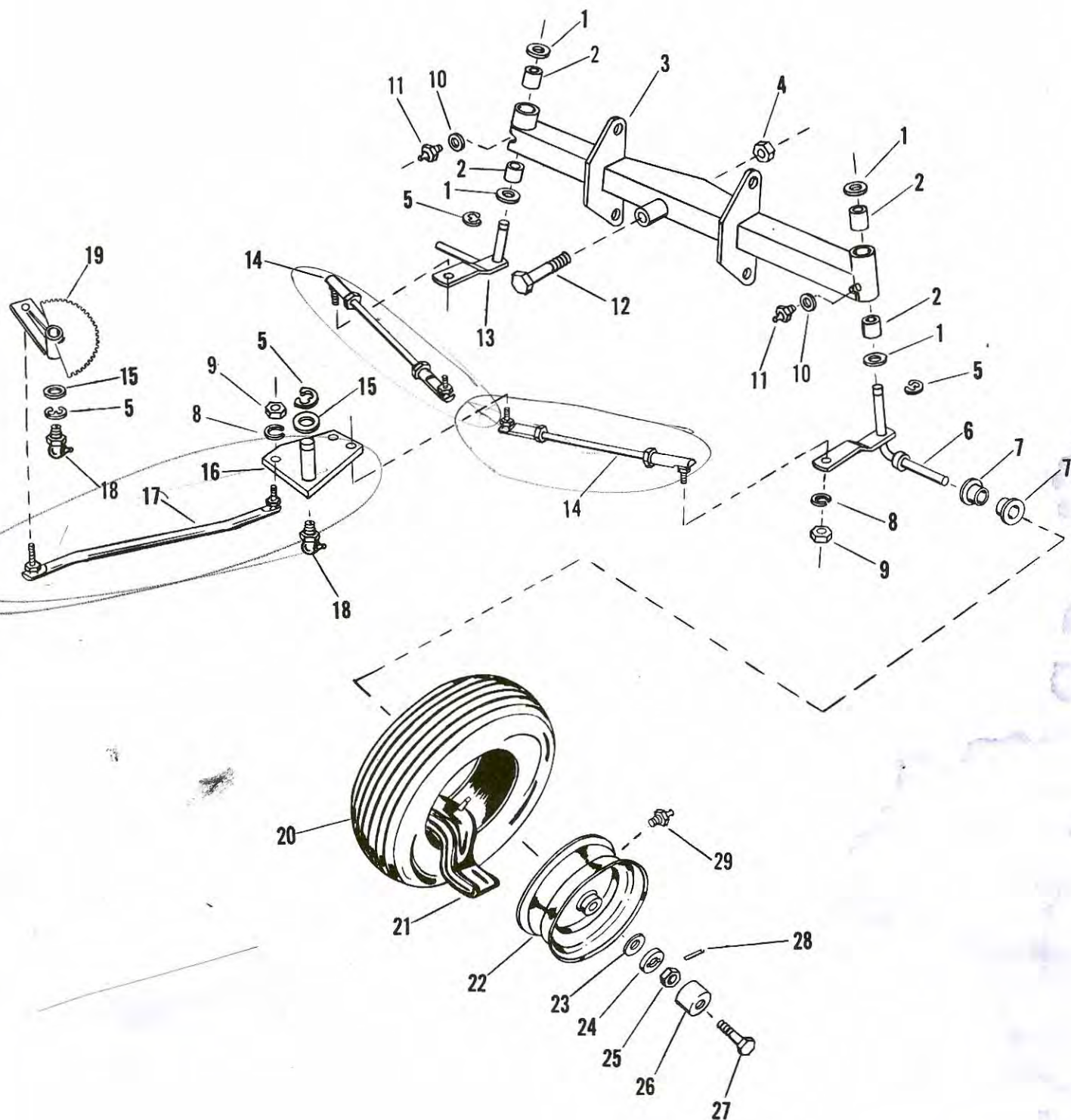
SUBURBAN 12 H.P. TRACTOR—MODEL NUMBER 917.25630



A	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
56	58	59	60	61	62	63	65	65	66	67	68	64	67	70	71	72	73	67
77	76	77	82	78	75	78	78	78	78	80	79	22A	80	75	75	80	80	80
83	79	80	70	79	79	79	69	79	69	81	81	81	81	81	81	81	81	81

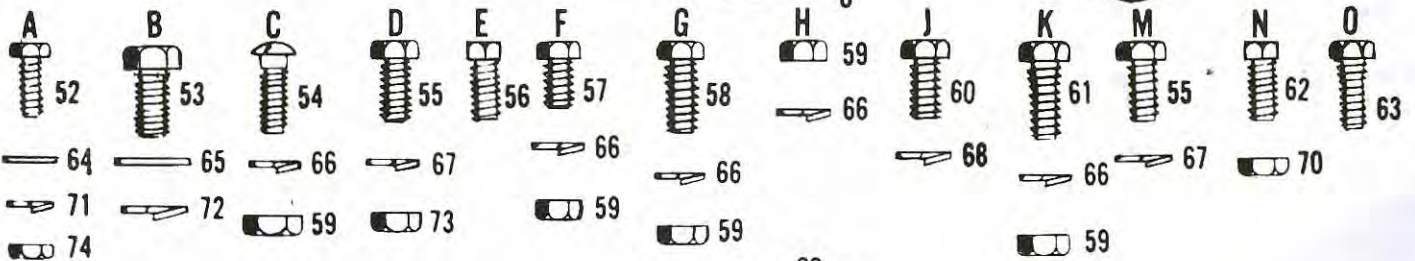
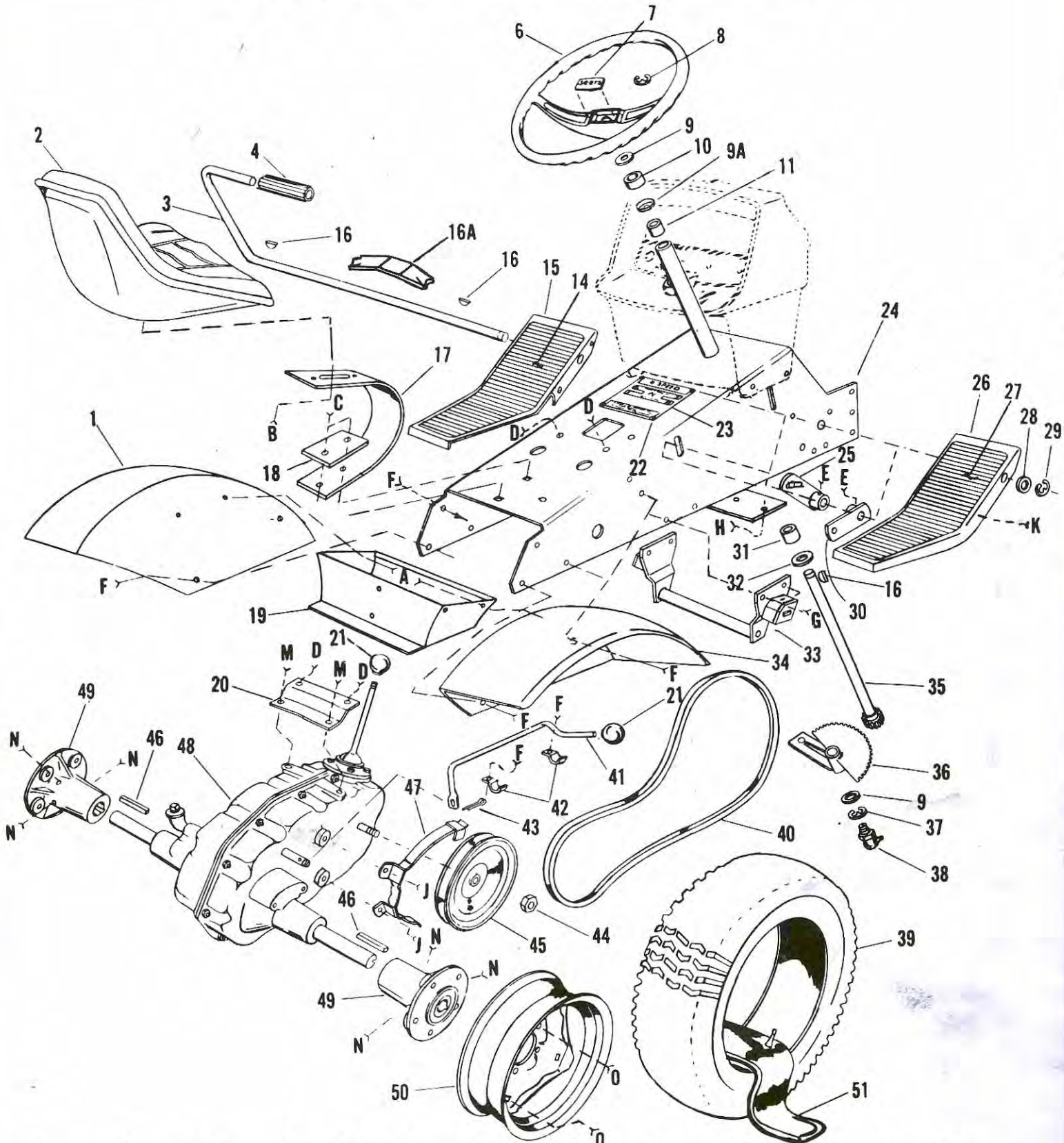
SUBURBAN 12 H.P. TRACTOR -- MODEL NUMBER 917.25630

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
4	634A415	Cowling Top Assembly	46	1001P	Lockwasher 7/16
5	7553H	Rubber Bumper	47	6635H	Flat Idler
6	8762H	Dashboard Brace	48	1520P	Washer .469 I.D. x 1-1/8 x 11 Ga.
7	776R	Dashboard Panel	49	6479H1	Belt Guide Finger
8	7552H	Key	50	3155P	Hex Bolt 7/16 - 14 x 2 1/2
9	74R	Keyed Accessory Start Switch (Inc. Key No. 8)	51	1544P	Washer 15/32 x 59/64 x 16 Ga.
10	634A273B	Remote Control	52	634A459	Engine Mount Assembly
11	9662H	Choke Control	53	634A28	Front Channel Cover and Weld Bolts
12	----	Fuel Tank Strap (see engine book)	54	6485H	Hinge
13	----	Fuel Tank (see engine book)	55	6433H	Front Channel Cover Support
14	634A378	Engine Tie Bracket	56	5514P	Hex Washer Hd. Thread Cutting Screw 1/4 - 20 UNC x 1/2
14A	9776H	Choke Control Clip	58	4502P	Hex Socket Headless Set Screw C.P. 5/16 - 18 x 5/16
15	8094H	Bearing	59	503P	Hex Nut 1/4 - 20
16	634A305	Engine 12 H.P. Model No. 143.602022 See Price List 932.00 for Ordering Information	60	3153P	Rd. Hd. Phillips Mach. Screw 1/4 - 20 x 1 1/4
17	634A372	Muffler (Inc. Key No. 17A)	61	3156P	Slotted Flat Hd. Bolt 5/16 - 18 x 1
17A	9540H	Lock Nut	62	3027P	Hex Bolt 3/8 - 16 x 1 1/2
19	702R	Dashboard	63	3106P	Pan Hd. Slotted Mach. Screw #10 - 24 x 3/4
21	2503P	Cotter Pin 3/32 x 3/4	64	1685H	Lock Nut 5/16 - 18 UNC
22	749R	Grill	65	3010P	Hex Bolt 5/16 - 18 x 3/4
22A	1537P	Washer 11/32 x 11/16 x 16 Ga.	66	3012P	Hex Bolt 5/16 - 18 x 1 1/4
23	8780H	Grill Side	67	3023P	Hex Bolt 3/8 - 16 x 1
24	9039H	Grill Screen - Side	68	4514P	Hex Socket Headless Set Screw C.P. 5/16 - 18 x 5/8
25	8774H	Grill Screen - Center	69	1517P	Washer 7/16 x 1 x 14 Ga.
27	----	Shift Pattern Plate	70	505P	Hex Nut #10 - 24
28	4939M	Retainer Spring	71	3122P	Slotted Truss Hd. Mach. Screw #10 - 24 x 3/8
29	640A45	Belt Guard Weldment	72	3137P	Hex Bolt 3/8 - 16 x 1 1/4 H.T.
29A	9011H	Belt Retainer	73	28P	Carriage Bolt 3/8 - 16 x 1 H.T.
30	347H	Huglock Nut	74	3035P	Hex Bolt 7/16 - 14 x 1 1/4
31	8704H1	Spacer (neoprene)	75	1006P	Lockwasher #10
32	9396E	Sq. Key 1/4 x 2	76	1002P	Lockwasher 1/4
33	640A44	Mounting Plate and Guide Assembly	77	1506P	Washer 9/32 x 5/8 x 16 Ga.
34	634A104	Engine Pulley W/Set Screws (Inc. Key No. 68)	78	1003P	Lockwasher 5/16
35	8238H	Split Spacer	79	504P	Hex Nut 5/16 - 18 UNC
36	3154P	Slotted Fillister Hd. Machine Screw 1/4 - 20 x 2 1/4	80	1004P	Lockwasher 3/8
37	634A405	Chassis Assembly W/Bearings	81	501P	Hex Nut 3/8 - 16
38	1360R	Cover - R.H.	82	1505P	Washer 9/32 x 1/2 x 14 Ga.
39	640A26	Idler Bracket Support Weldment and Bearing	83	503P	Sq. Nut 1/4 - 20
40	1513P	Washer 13/32 x 13/16 x 16 Ga.	86	5501P	Phillips Pan Hd. Thread Cutting Screw #10 - 24 x 3/8 Type T
41	634A280	Tank and Battery Support Assembly	88	3022P	Hex Bolt 3/8 - 16 x 7/8
42	7218H1	Tank and Battery Support Bracket - L.H.	89	3010P	Hex Bolt 5/16 - 18 x 3/4
43	1361R	Tank and Battery Support Bracket - R.H.	--	1135R	Instruction Book and Parts Book
43A	----	Model Number Plate			
44	634A101	Drawbar W/Weldnuts			
45	500P	Hex Nut 7/16 - 14			



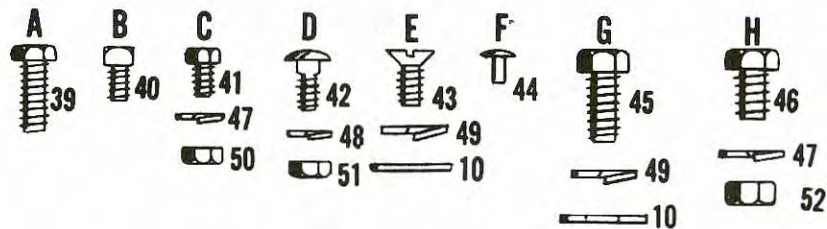
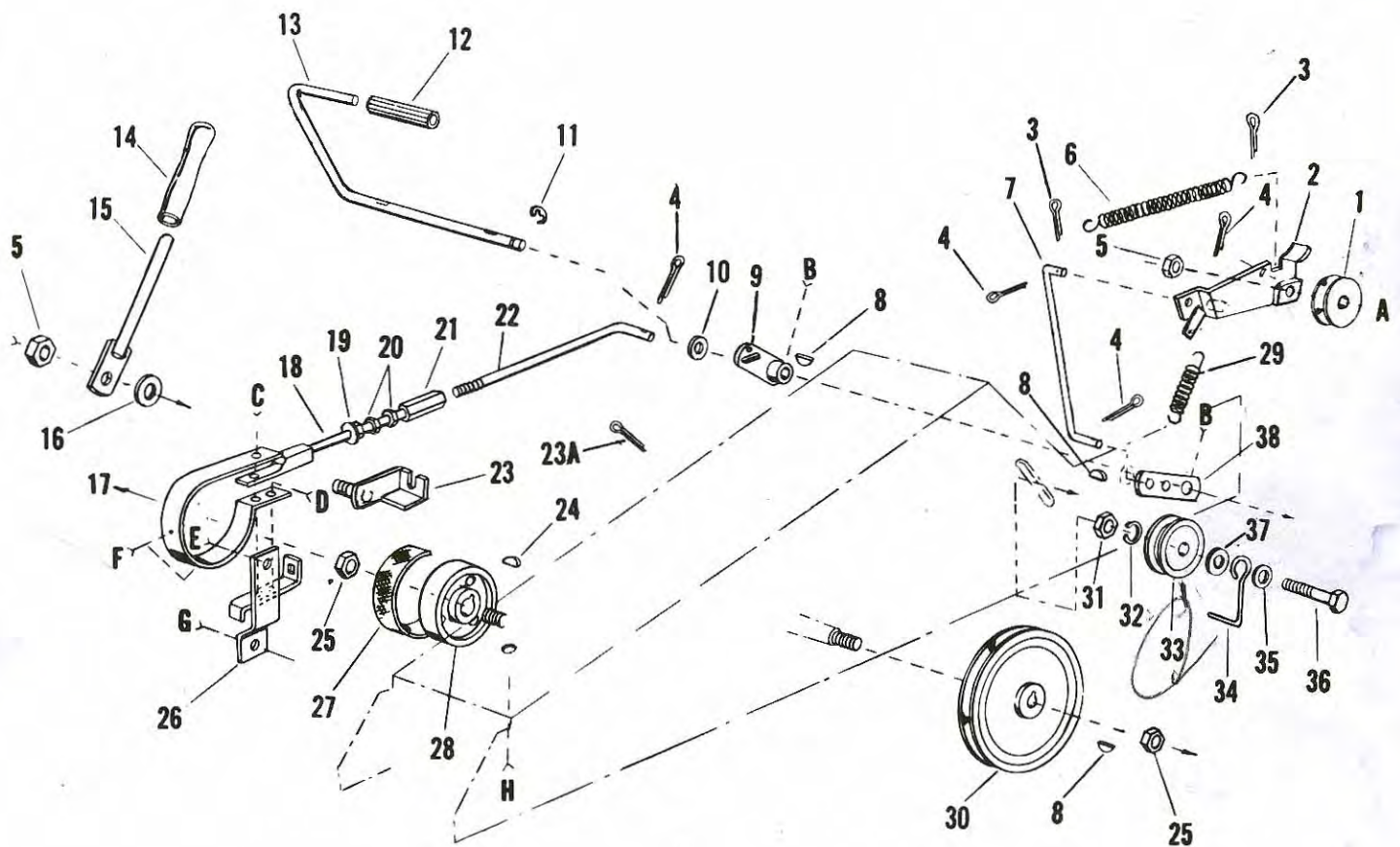
SUBURBAN 12 H.P. TRACTOR -- MODEL NUMBER 917.25630

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	1528P	Washer 13/16 x 1 1/4 x 14 Ga.	16	634A98	Steering Bell Crank Weldment
2	1309H	Bearing	17	9318H	Drag Link and Joints
3	634A313	Front Axle with Bearings	18	6842M	Grease Fitting
4	4764H	Huglock Nut 5/8 - 11 UNC	19	634A95	Steering Gear Sector and Arm
5	5000P	E Ring	20	7318H	Tire 16 x 5.00 x 8
6	634A277	Spindle Complete - R.H.	21	338H	Inner Tube with Straight Stem
7	9040H	Flanged Bearing	22	9194H	Front Wheel
8	1004P	Lockwasher 3/8	23	1562P	Washer 25/32 x 1 1/2 x 16 Ga.
9	515P	Hex Nut, 3/8 - 24 UNF	24	8785H	Wear Washer
10	1505P	Washer 9/32 x 1/2 x 14 Ga.	25	4831H	Elastic Nut 3/4 - 16 UNF
11	6855M	Grease Fitting	26	8763H	Dust Cap - Outer
12	3050P	Hex Bolt 5/8 - 11 x 4 1/2	27	3008P	Hex Bolt 5/16 - 18 x 1/2
13	634A278	Spindle Complete - L.H.	28	8798H	Roll Pin 5/32 x 1
14	7204H	Tie Rod and Joints	29	6856M	Grease Fitting 1/4 - 28 Taper Thread
15	1552P	Washer 49/64 x 1 1/4 x 16 Ga.			



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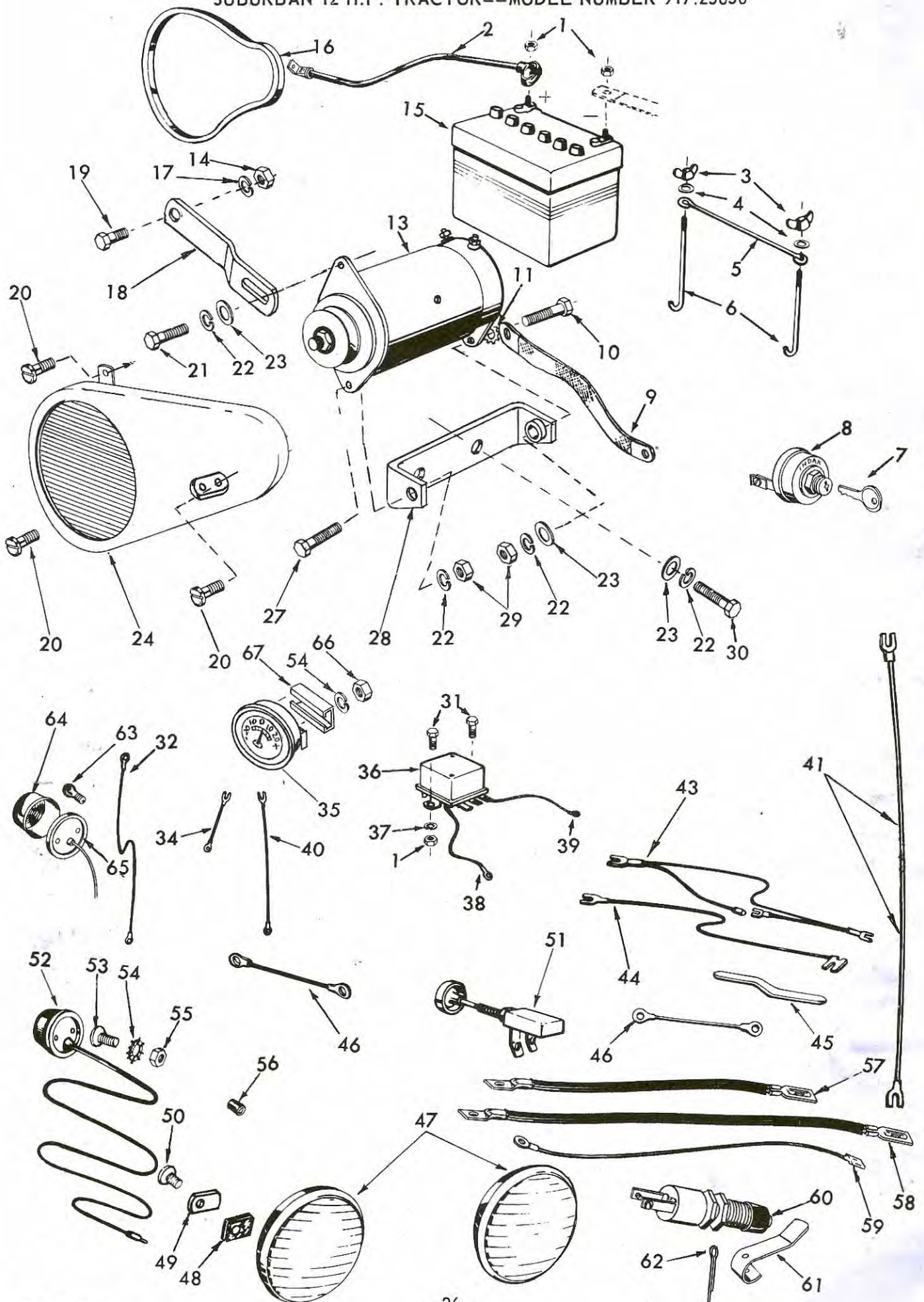
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8770H	Fender - L.H.	37	5000P	E-Ring
2	9578H	Seat	38	6842M	Grease Fitting
3	766R	Foot Pedal Shaft	39	5808H	Tire 23 x 7.50 - 12
4	8156H	Foot Pedal Cover	40	6474H	V Belt (Ground Drive)
6	8796H	Steering Wheel	41	6477H	Range Shift Rod
7	8797H	Steering Wheel Cap	42	6442H	Shift Rod Bracket
8	5003P	E Ring	43	2511P	Cotter Pin 3/16 x 1
9	1552P	Washer 49/64 x 1 1/4 x 16 Ga.	44	9204H	Lock Nut 1/2 - 20 UNF
9A	9007H	Cap	45	6461H2	Transmission (Transaxle) Pulley
10	5949H	Rubber Bushing	46	8327H	Sq. Key 1/4 x 3
11	6468H	Bearing	47	634A22A	Belt Guide
14	7235H	Foot Rest Pad - L.H.	48	633A38	Transaxle (less brake drum)
15	634A112	Foot Rest W/Bolts - L.H.	49	8778H	Wheel Hub - Rear
16	9858M1	Woodruff Key 3/16 x 5/8	50	1297H1	Disc Wheel 12 x 5 JA Rim
16A	9008H	Spring	51	1296H	Tube
17	9712H	Seat Spring	52	3003P	Hex Bolt 1/4 - 20 x 3/4
18	8141H	Seat Spring Reinforcement	53	3044P	Hex Bolt 1/2 - 13 x 1 1/4
19	634A276	Tool Box Assembly	54	9P	Sq. Neck Carriage Bolt 3/8 - 16 x 1 1/4
20	6459H	Transaxle Bracket	55	3034P	Hex Bolt 7/16 - 14 x 1
21	6364H	Control Knob	56	4501P	Sq. Hd. Set Screw C.P. 5/16 - 18 x 1/2
22	9251H	Drive Rivet	57	3022P	Hex Bolt 3/8 - 16 x 7/8
23	----	Shift Pattern Plate	58	3023P	Hex Bolt 3/8 - 16 x 1
24	634A405	Chassis Assembly W/Bearings	59	501P	Hex Nut 3/8 - 16
25	634A33A	Brake Arm Assembly	60	3010P	Hex Bolt 5/16 - 18 x 3/4
26	634A113	Foot Rest W/Bolts - R.H.	61	3025P	Hex Bolt 3/8 - 16 x 1 1/4
27	7236H	Foot Rest Pad - R.H.	62	4524P	Sq. Hd. Set Screw 3/8 - 16 x 1 1/4
28	1550P	Washer 21/32 x 1 x 12 Ga.	63	1304H	Hub Bolt
29	5001P	E-Ring	64	1506P	Washer 9/32 x 5/8 x 16 Ga.
30	626A31A	Steering Arm Assembly	65	1560P	Washer 17/32 x 1 1/2 x 11 Ga.
31	4766H	Bearing	66	1004P	Lockwasher 3/8
32	1553P	Washer 57/64 x 1 1/4 x 16 Ga.	67	1001P	Lockwasher 7/16
33	634A362	Hanger - Rear	68	1003P	Lockwasher 5/16
34	8769H	Fender - R.H.	70	508P	Hex Jam Nut 3/8 - 16
35	640A30	Steering Shaft and Pinion	71	1002P	Lockwasher 1/4
36	634A95	Steering Gear Sector and Arm	72	1000P	Lockwasher 1/2
			73	500P	Hex Nut 7/16 - 14
			74	503P	Hex Nut 1/4 - 20 UNC



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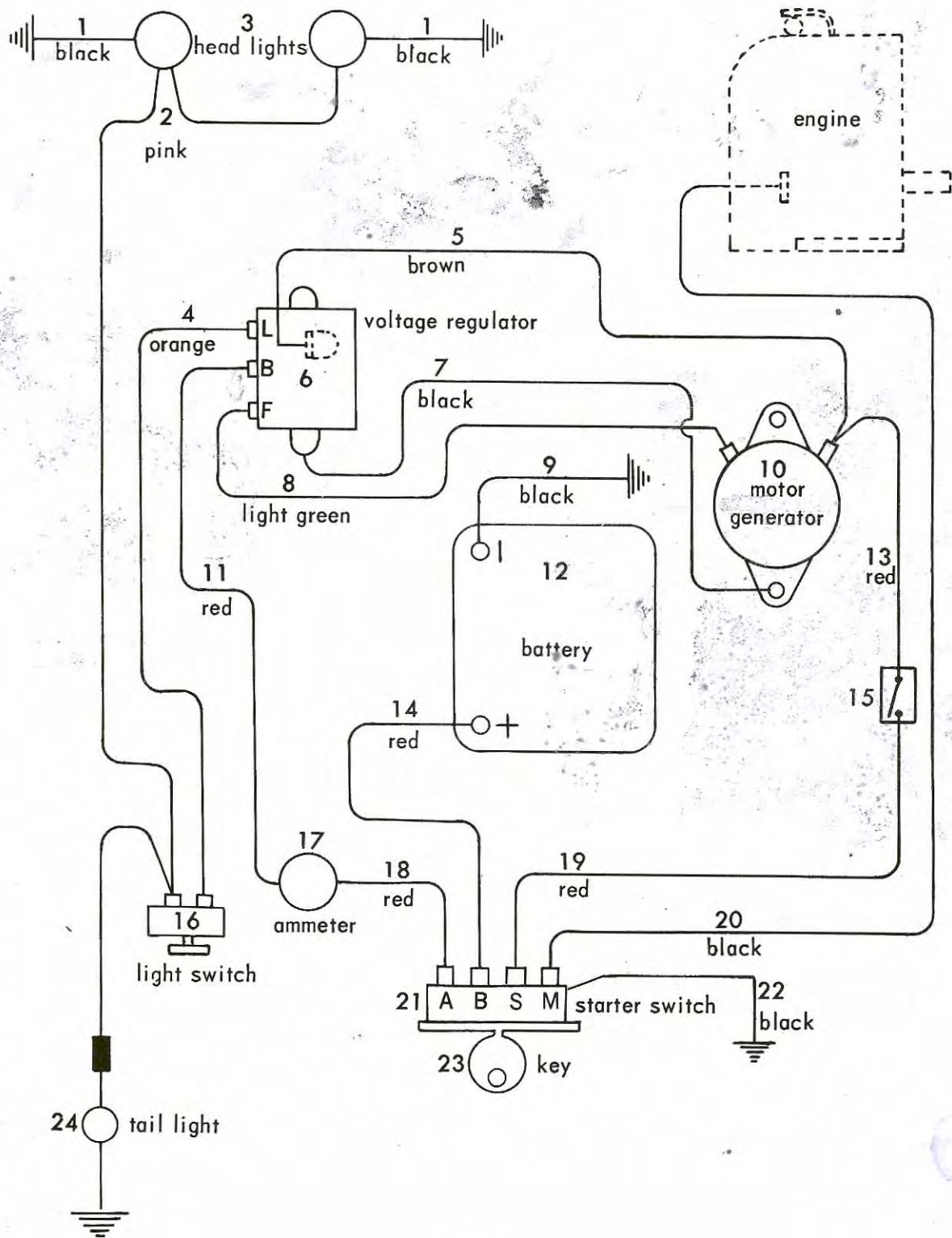
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	634A86	Idler, Bolt and Nut (Inc. Key No's. 5 and 39)	28	7648H	Brake Drum
2	634A296A	Idler Bracket and Pin	29	4301H	Spring
3	2514P	Cotter Pin 1/4 x 1	30	6461H2	Transmission (Transaxle) Pulley
4	2505P	Cotter Pin 1/8 x 3/4	31	500P	Hex Nut 7/16 - 14
5	511P	Nylock Nut 3/8 - 24 UNF	32	1001P	Lockwasher 7/16
6	6486H	Spring	33	6635H	Flat Idler
7	6406H	Clutch Rod	34	6479H1	Belt Guide Finger
8	9858M1	Woodruff Key 3/16 x 5/8	35	1544P	Washer 15/32 x 59/64 x 16 Ga.
9	634A33A	Brake Arm Assembly	36	3155P	Hex Bolt 7/16 - 14 x 2 1/2
10	1513P	Washer 13/32 x 13/16 x 16 Ga.	37	1520P	Washer .469 I.D. x 1-1/8 x 11 Ga.
11	5001P	E-Ring	38	626A31A	Steering Arm Assembly
12	8156H	Foot Pedal Cover	39	3052P	Hex Bolt 3/8 - 24 x 1 Pltd.
13	766R	Foot Pedal Shaft	40	4501P	Sq. Hd. Set Screw C.P. 5/16 - 18 x 1/2
14	4379H	Shift Handle Grip	41	3159P	Hex Bolt 5/16 - 18 x 7/8
15	634A170	Parking Lock Handle Assembly	42	11P	Sq. Neck Carriage Bolt 1/4 - 20 x 5/8
16	5999H	Spring Washer	43	3164P	Flat Hd. Machine Screw Undercut 3/8 - 16 x 3/4
17	634A167	Brake Band and Lining	44	2004P	Rivet, Brass Tubular #4 x 1/4
18	634A193	Brake Rod Weldment	45	3022P	Hex Bolt 3/8 - 16 x 7/8
19	6000H	Large Flange Nut	46	3009P	Hex Bolt 5/16 - 18 x 5/8
20	501P	Hex Nut 3/8 - 16	47	1003P	Lockwasher 5/16
21	6417H	Turnbuckle	48	1002P	Lockwasher 1/4
22	7638H	Brake Rod - Front	49	1004P	Lockwasher 3/8
23	634A396	Parking Lock Assembly	50	1685H	Locknut 5/16 - 18
23A	- - -	Cotter Pin 1/8 x 3/4	51	503P	Hex Nut 1/4 - 20
24	2228M1	Woodruff Key 3/16 x 3/4	52	504P	Hex Nut 5/16 - 18
25	9204H	Lock Nut 1/2 - 20 UNF			
26	634A168	Brake Bracket Assembly			
27	7645H	Brake Lining			

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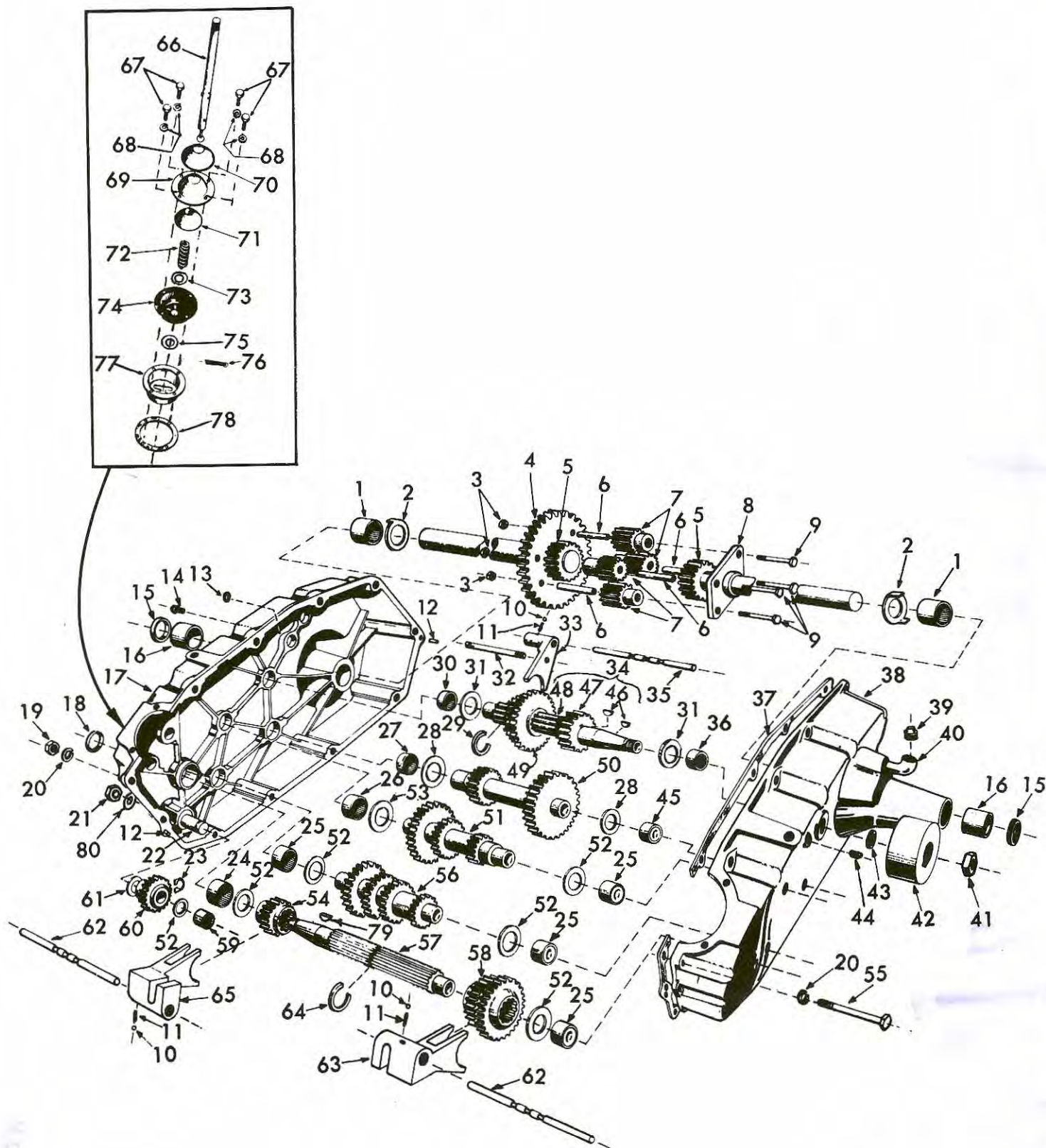
SUBURBAN 12 H.P. TRACTOR--MODEL NUMBER 917.25630

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	503P	Hex Nut 1/4 - 20	40	6994H	Lead Wire (Ammeter to Voltage Regulator) (Red)
2	634A452	Cable and Cover (Red)	41	6536H	Leaded Wire ("M" Post on Switch to Short Terminal on Engine) (Black)
3	3748M	Wing Nut	43	8147H	Lead Wire (Headlights to Switch) (Pink)
4	1509P	Washer 5/16 x 3/4 x 16 Ga.	44	6538H	Lead Wire ("L" on Regulator to Switch) (Orange)
5	5110H	Battery Clamp	45	6541H	Tie
6	5072H	Battery Bolt	46	7035H	Ground Wire (Headlight to Ground) (Black)
7	7552H	Key	47	7034H	Head Light
8	74R	Keyed Accessory Start Switch (Inc. Key No. 7)	48	8784H1	Rubber Spacer
9	6534H	Ground Cable (Black)	49	8768H	Mounting Clip
10	3136P	Hex Bolt 5/16 - 18 x 1-3/4 H.T.	50	5501P	Phillips Pan Hd. Thread Cutting Screw #10 - 24 x 3/8 Type T
11	1402P	External Lockwasher	51	5735H	Light Switch
13	634A298	Motor Generator	52	8089H	Tail Light
14	501P	Hex Nut 3/8 - 16	53	3073P	Slotted Truss Hd. Mach. Screw #10 - 24 x 1/2
15	5111H3	Battery	45	1006P	Lockwasher #10
16	3754H1	V-Belt (Generator to Engine)	55	505P	Hex Nut #10 - 24
17	1004P	Lockwasher 3/8"	56	9197H	Hose
18	6419H	Generator Adjusting Strap	57	770R	Battery Cable (Safety Start Switch "S" to "A" on Starter Motor) (Red)
19	3023P	Hex Bolt 3/8 - 16 x 1	58	771R	Battery Cable (Ignition Switch to Safety start Switch)
20		Slotted Fillister Hd. Mach. Screw W/Sems Lockwasher 1/4 - 28 UNF x 1/2	59	786R	Switch Ground Wire (Ignition Switch to Ground)
21	3010P	Hex Bolt 5/16 - 18 x 3/4	60	772R	Safety Start Switch
22	1003P	Lockwasher 5/16"	62	767R	Safety Start Actuator
23	1537P	Washer 11/32 x 11/16 x 16 Ga.	62	2507P	Cotter Pin 1/8 x 1 1/4
24	606A327	Belt Guard Assembly	63	8291H	Bulb (Tail Light)
26	1506P	Washer 9/32 x 5/8 x 16 Ga.	64	8292H	Lens (Tail Light) (Red)
27	3135P	Hex Bolt 5/16 - 18 x 1-1/4 H.T.	65	8293H	Housing (Tail Light)
28	606A361	Generator Mount Assembly	66	543P	Hex Nut #10-32 UNF
29	504P	Hex Nut 5/16 - 18	67	1358R	Terminal Cover
30	3010P	Hex Bolt 5/16 - 18 x 3/4			
31	3115P	Hex Bolt 1/4 - 20 x 5/8			
32	5959H	Ground Wire (Regulator Mounting Bolt to Generator Frame) (Black)			
34	7249H	Lead Wire (Ammeter to Ignition Switch) (Red)			
35	6987H2	Ammeter			
36	606A190	Voltage Regulator			
37	1002P	Lockwasher 1/4"			
38	5803H	Ground to Generator Wire (Brown)			
39	5804H	Field Wire (Generator to Regulator) (Light Green)			



SUBURBAN 12 H.P. TRACTOR—MODEL NUMBER 917.25630

KEY NO.	PART NO.	DESCRIPTION
1	7035H	Ground Wire (Headlight to Ground) (Black)
2	8147H	Lead Wire (Headlights to Switch) (Pink)
3	7034H	Head Light
4	6538H	Lead Wire ("L" on Regulator to Switch) (Orange)
5	5803H	Ground to Generator Wire (Brown)
6	606A190	Voltage Regulator
7	5959H	Ground Wire (Regulator Mounting Bolt to Generator Frame) (Black)
8	5804H	Field Wire (Generator to Regulator) (Light Green)
9	6534H	Ground Cable (Black)
10	634A298	Motor-Generator
11	6994H	Lead Wire (Ammeter to Voltage Regulator) (Red)
12	5111H3	Battery
13	770R	Battery Cable (Safety Start Switch "S" to "A" on Starter Motor)
14	634A452	Cable and Cover (Cable Red-Cover Black)
15	772R	Safety Start Switch
16	5735H	Light Switch
17	6987H2	Ammeter
18	7249H	Lead Wire (Ammeter to Ignition Switch) (Red)
19	771R	Battery Cable (Ignition Switch to Safety Start Switch) (Red)
20	6536H	Leaded Wire ("M" Post on Switch to Short Terminal on Engine) (Black)
21	74R	Keyed Accessory Start Switch (Inc. Key No. 23)
22	786R	Switch Ground Wire (Ignition Switch to Ground)
23	7552H	Key
24	8089H	Tail Light



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	6268H	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 ¾ 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	6264H	Sintered Iron Bearing	55	3087P	Hex Bolt 5/16 x 1½ Grade 5 H.T.
17	633A28	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

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SUBURBAN 12 H.P. TRACTOR

**MODEL NO.
917.25630**

The Model Number will be found on a plate attached to the rear of the Chassis Assembly and beneath the Seat. Always mention the Model Number when requesting service or repair parts for your Tractor.

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED. When ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices and will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST.

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| 1. The PART NUMBER | 3. The MODEL NUMBER |
| 2. The PART DESCRIPTION | 917.25630 |
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