

Sears

owners manual

CUSTOM 10XL TRACTOR

MODEL NO.
917.25590

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

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.
SIMPSONS-SEARS LTD.

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TO THE CUSTOM OWNER

Please accept our congratulations on your investment in a Sears Custom Tractor. We feel you will obtain from your Custom 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 NO. 917.25590

INSTRUCTION AND PARTS BOOK NO. 673R

Printed in U.S.A.

PARTS IDENTIFICATION

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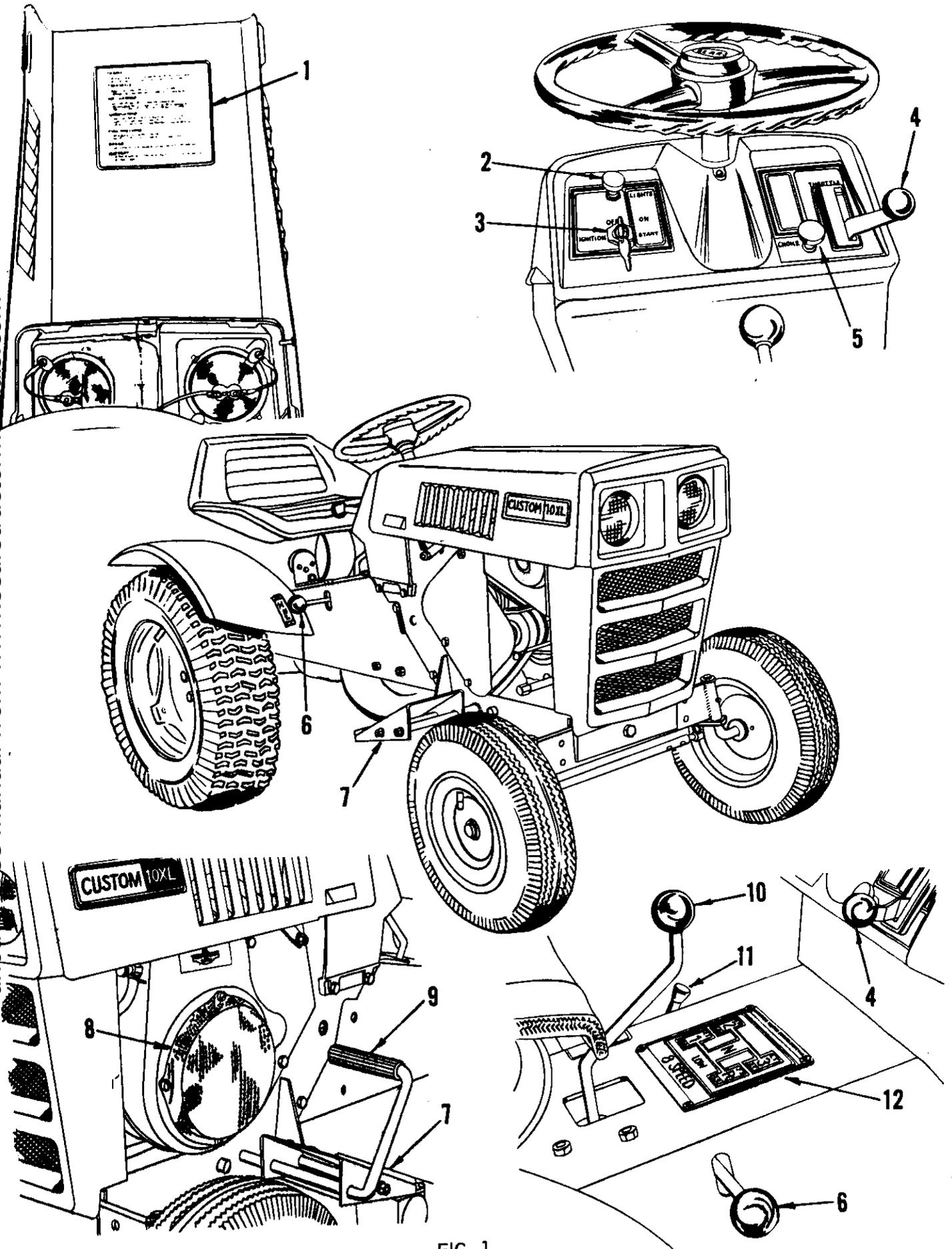
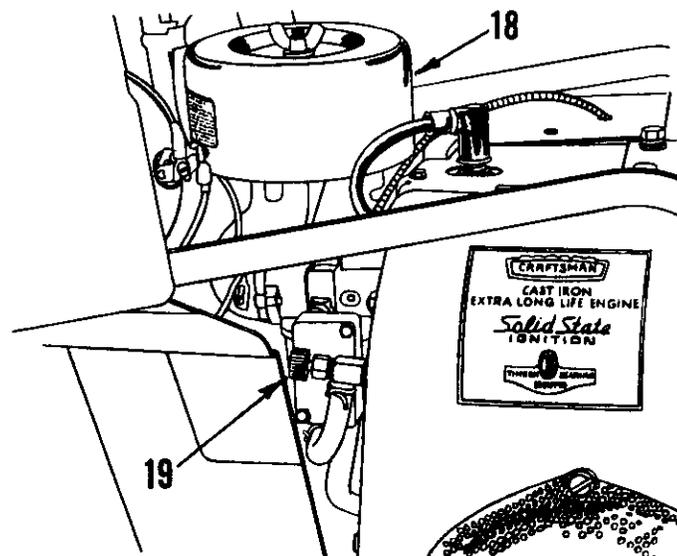
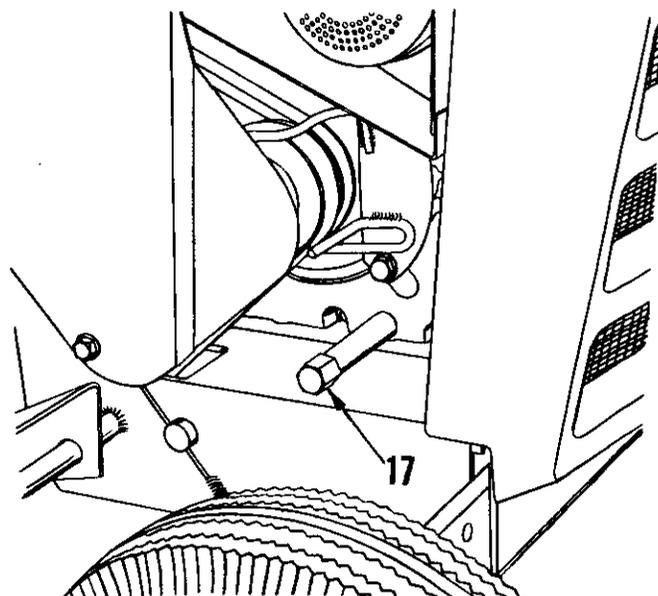
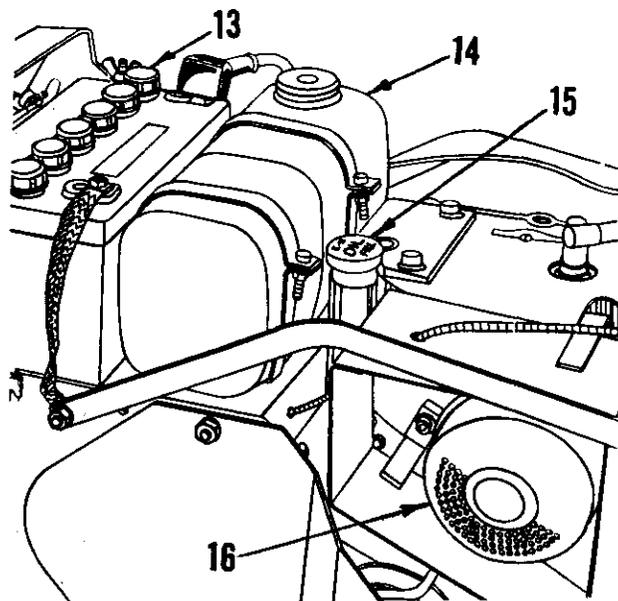


FIG. 1

PARTS IDENTIFICATION--Continued

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



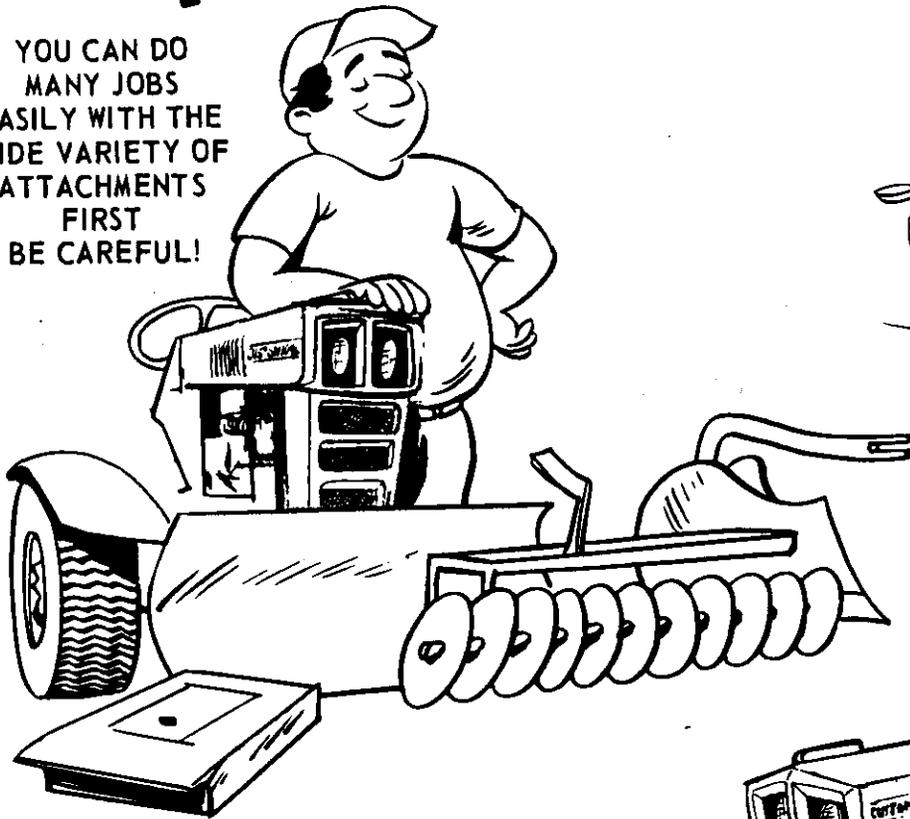
SAFETY
Pays Off



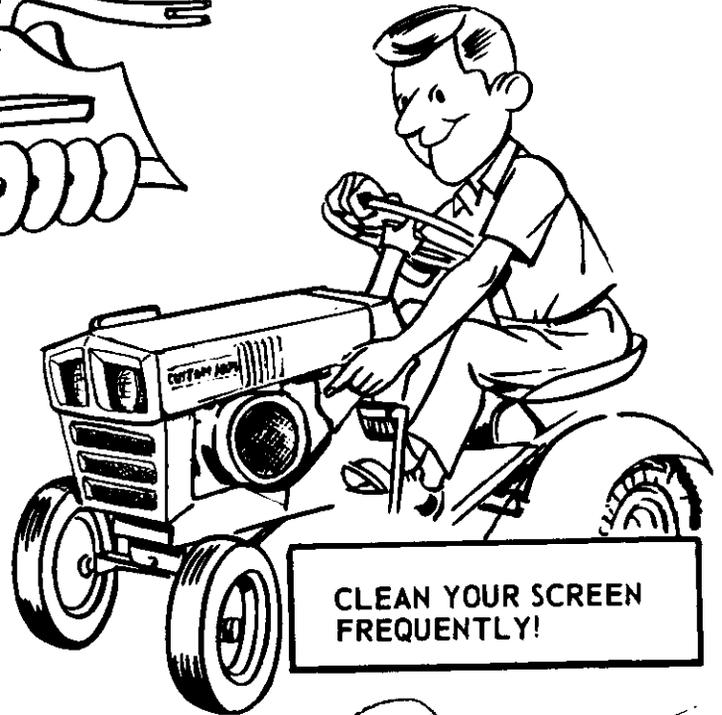
FIG. 2

RULES OF SAFETY

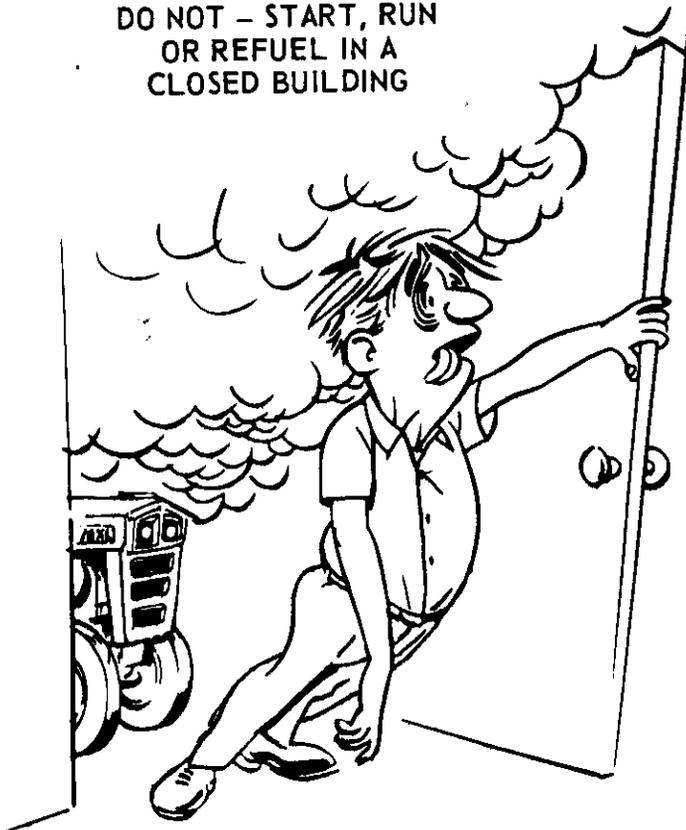
YOU CAN DO
MANY JOBS
EASILY WITH THE
WIDE VARIETY OF
ATTACHMENTS
FIRST
BE CAREFUL!



ALWAYS START IN NEUTRAL!



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



AVOID STUMPS, DEEP
RUTS AND OTHER HAZARDS

SETTING UP INSTRUCTIONS

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.

A letter in parentheses in the following instructions refer to an arrow in an adjoining Figure (illustration), unless 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 forward 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 operating as given below. This will require about 2½ 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 10.
6. Add fuel. Use a good grade of regular, clean, fresh gasoline. Do NOT mix oil with gasoline.

FILL AND CHARGE BATTERY

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

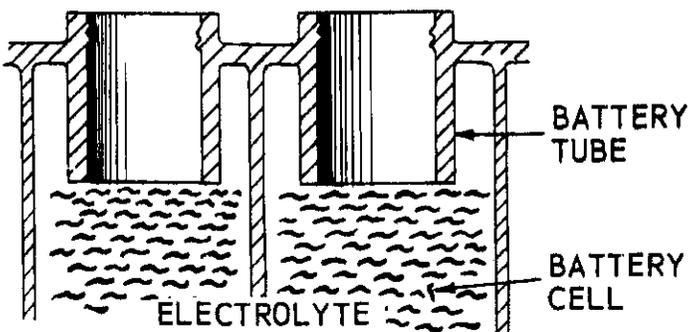
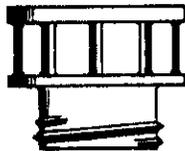
1. Fill battery with electrolyte and charge battery as outlined in instructions in battery container.
- NOTE: After filling cells, let battery stand for thirty minutes. Then charge battery at a rate not exceeding three (3) amperes for about 2½ hours.

FILL BATTERY AS SHOWN

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



CUT-AWAY VIEW
OF BATTERY



673R-30.9.70

BATTERY INSTALLATION

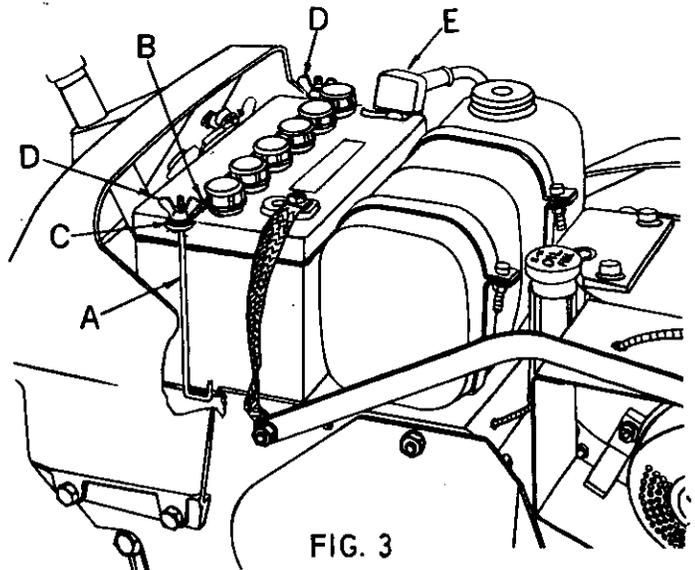


FIG. 3

2. Lift cowling, refer to Fig. 8, and install battery in battery box so that (+) positive and (-) negative terminals are to front of tractor as shown in Fig. 3. Secure battery to battery support with two battery bolts (A), battery clamp (B), washers (C) and wing nuts (D). (Bolts, clamp, washers and wing nuts shipped in plastic bag.)
3. Connect starter switch cable (covered cable) to (+) positive terminal. Tighten bolt securely.
4. Connect ground strap to (-) negative terminal. Tighten bolt securely.

CAUTION:

When fastening cables to battery, keep cables even with or lower than top of battery terminal. If cable is too high, it can short against cowling.

5. Be sure terminal cover (E, Fig. 3), is in place on positive terminal.

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.

BEFORE STARTING THE ENGINE

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

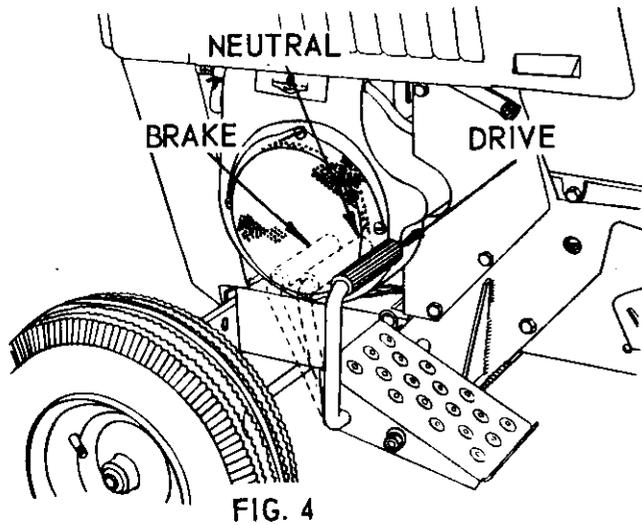


FIG. 4

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.

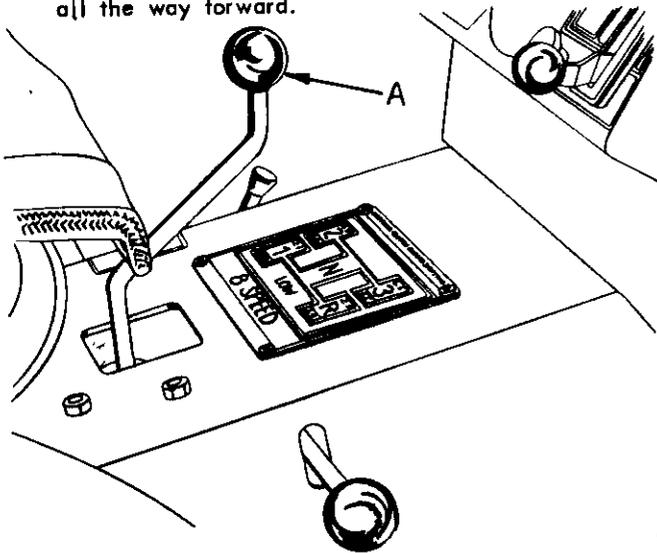


FIG. 5

2. The transaxle (transmission) gear shift lever (A), is located at front, center of seat.
 - a. The gear shift lever selects the FORWARD speeds, the NEUTRAL and REVERSE speeds. Refer to Fig. 5.

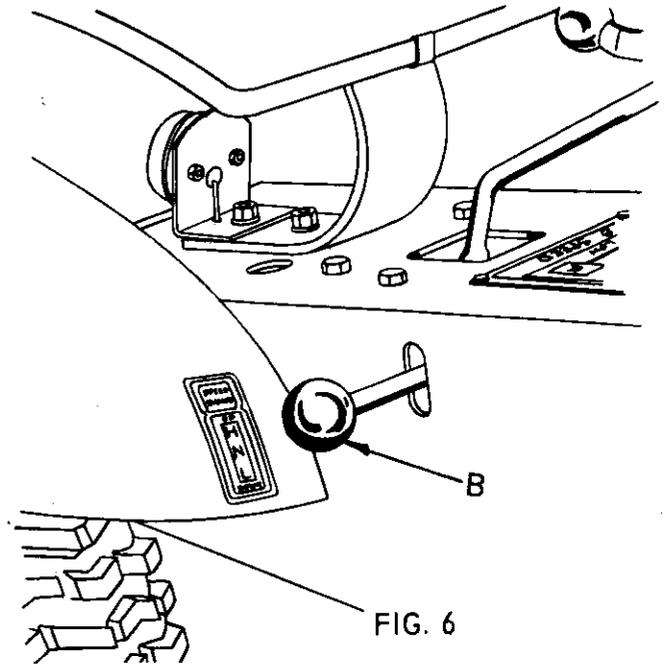


FIG. 6

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.

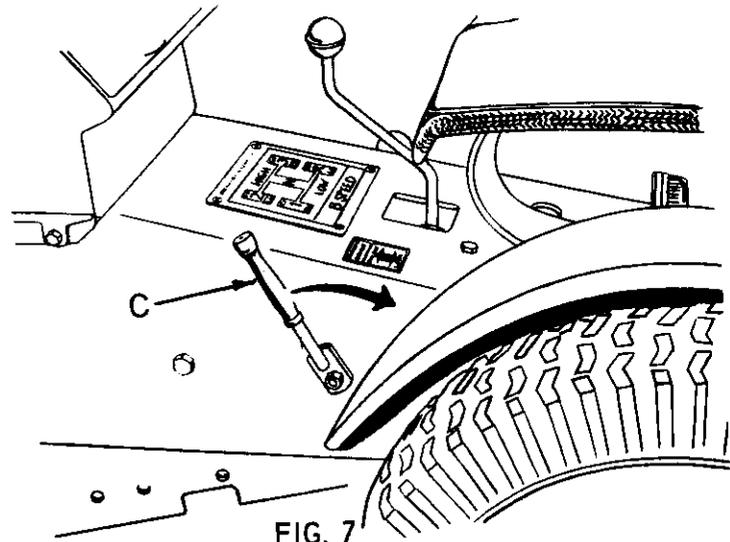


FIG. 7

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.

BEFORE DISMOUNTING FROM TRACTOR, MOVE HI-LOW SHIFT RANGE AND GEAR SHIFT LEVERS TO NEUTRAL, SHUT OFF ENGINE AND SET PARKING BRAKE. ALWAYS REMOVE KEY FROM IGNITION.

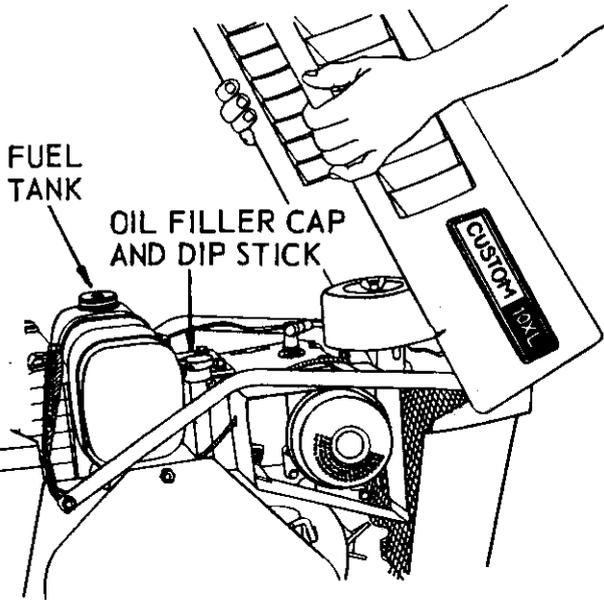


FIG. 8

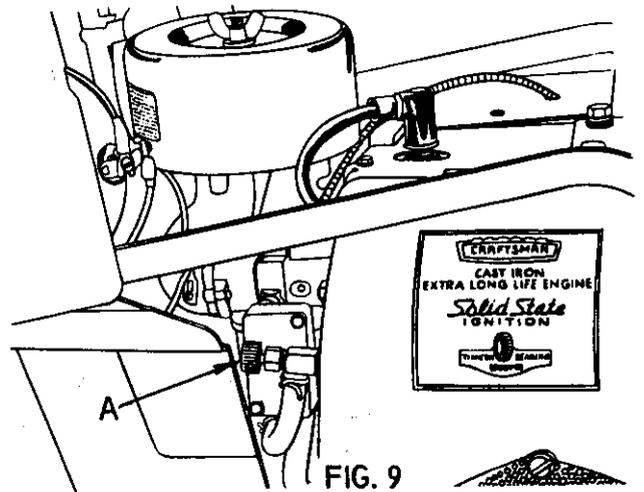


FIG. 9

5. To lift cowling, 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, 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.

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. Transaxle (transmission) gear shift lever (A, Fig. 5), is in NEUTRAL.
 - b. The high-low range lever (B, Fig. 6), is in NEUTRAL.
3. Depress foot pedal, refer to Fig. 4, to neutral position. THIS IS ESPECIALLY HELPFUL IN COLD WEATHER. Release park brake (C, Fig. 7).

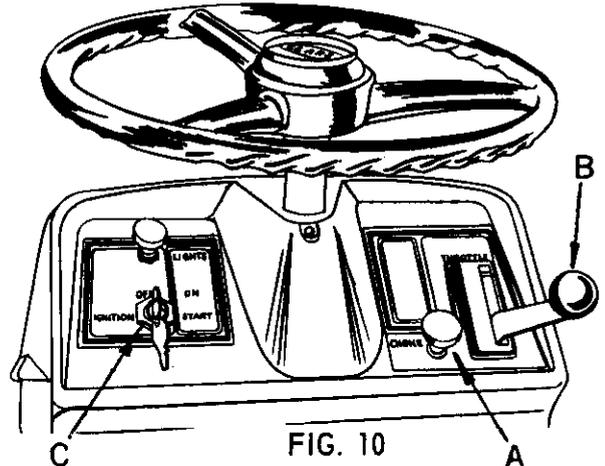


FIG. 10

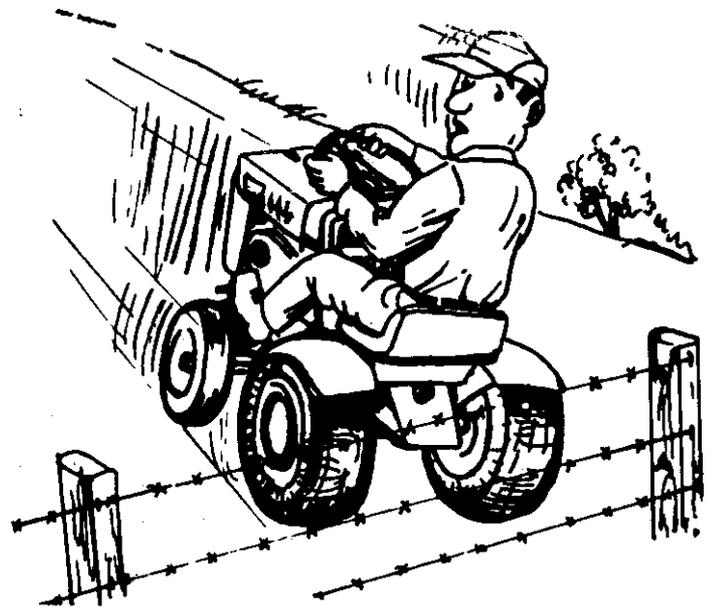
4. Pull out choke control (A, Fig. 10), to full choke position to start in cold weather.
5. Advance throttle control lever (B, Fig. 10), to about 1/2 throttle.
6. This tractor is equipped with a safety start switch. It is therefore necessary to depress foot pedal before engine can be started. Depress foot pedal all the way 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 (B), to FAST position. Wait for two minutes and try again.
7. To stop engine, turn key (C), in a counter-clockwise direction to OFF position. Key should be removed so children can not start tractor.



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.

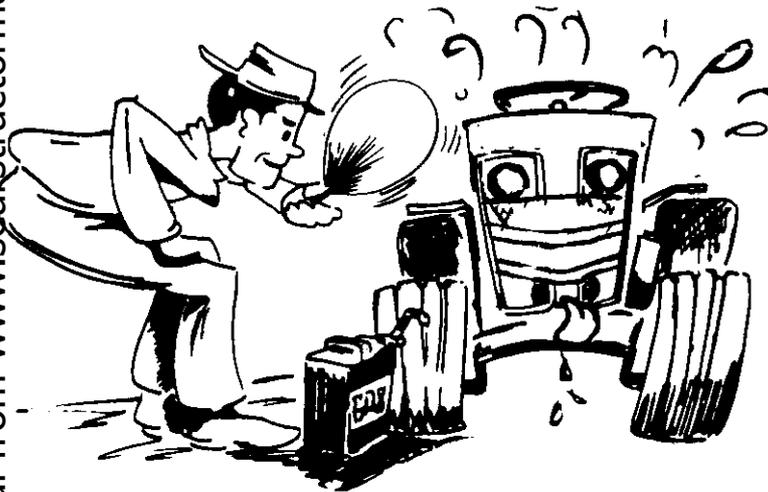
TO OPERATE TRACTOR

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

2. 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".
3. Sideways upsets happen easily in ditches. Be alert for holes or other hidden hazards.
4. If tractor becomes mired in a hole, try to back out rather than driving forward.



REFUEL ONLY AFTER ENGINE HAS COOLED DOWN

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

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 crossways on slopes of more than a 25 percent slope, or up or down slopes with more than a 35 percent slope.

SEAT POSITION

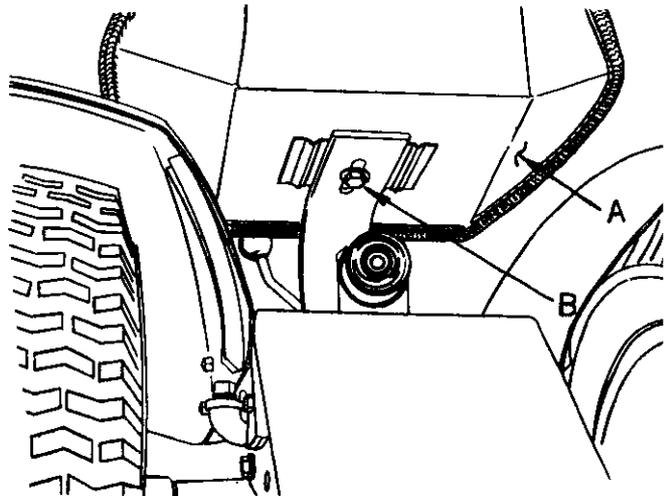


FIG. 11

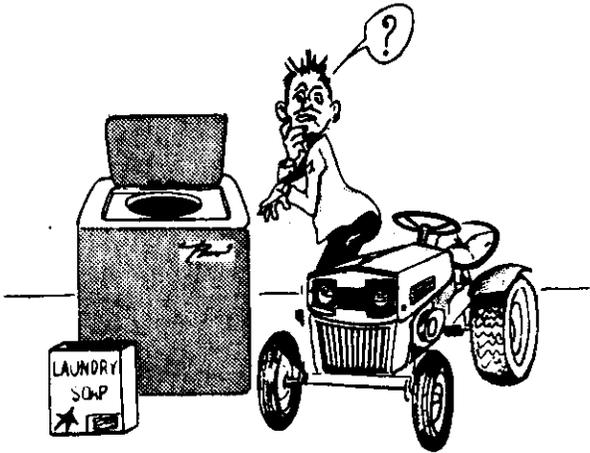
The seat (A), may be moved towards the front or rear to give the most comfortable riding position. To move the seat, loosen the nut (B), beneath the seat spring and slide the seat to the position desired. Tighten the bolt, making sure that the seat has not twisted out of alignment with the seat spring.

TOWING TRACTOR

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

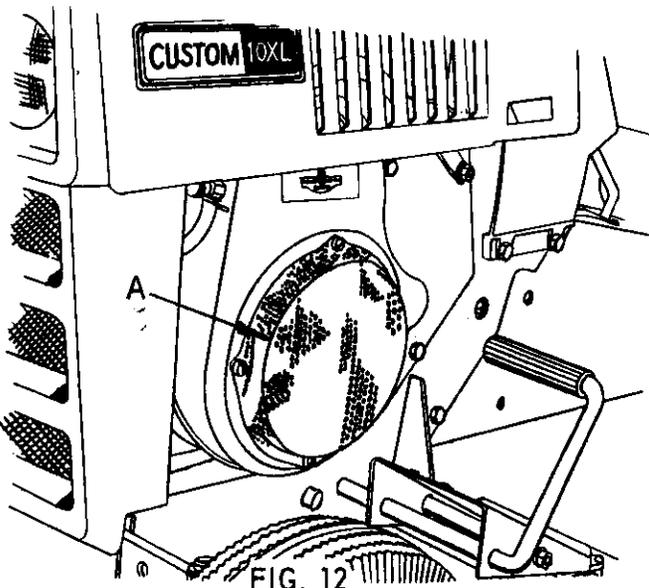
AIR CLEANER

Your engine is equipped with an air cleaner that **MUST** be periodically removed and cleaned to maintain maximum engine performance. Refer to engine manual for cleaning instructions.



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 HEAD AND CYLINDER BLOCK. KEEP THESE AREAS FREE OF ACCUMULATED DIRT AND TRASH OR THE ENGINE WILL OVERHEAT AND RESULT IN DAMAGED MOVING PARTS.

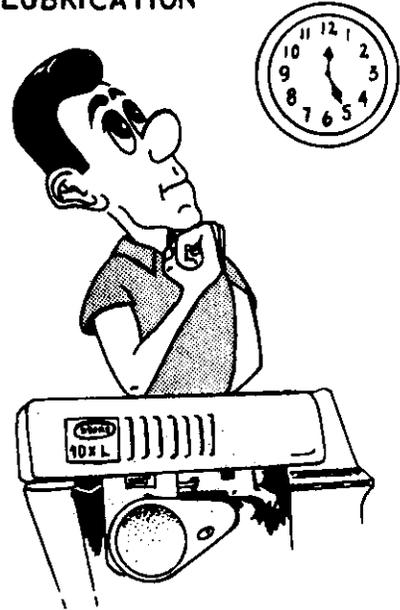
STARTER AIR SCREEN



The starter screen guard (A), and the starter rotating screen (located directly behind the starter screen guard), 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 dirty which would interfere with the cooling of the engine. Remove the screen guard (A), clean it and the starter rotating screen regularly.

673R-1.12.70

ENGINE LUBRICATION



STOP ENGINE AND WAIT SEVERAL MINUTES BEFORE CHECKING OIL LEVEL.

BE SURE TRACTOR IS ON LEVEL GROUND AND ENGINE IS STOPPED 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.

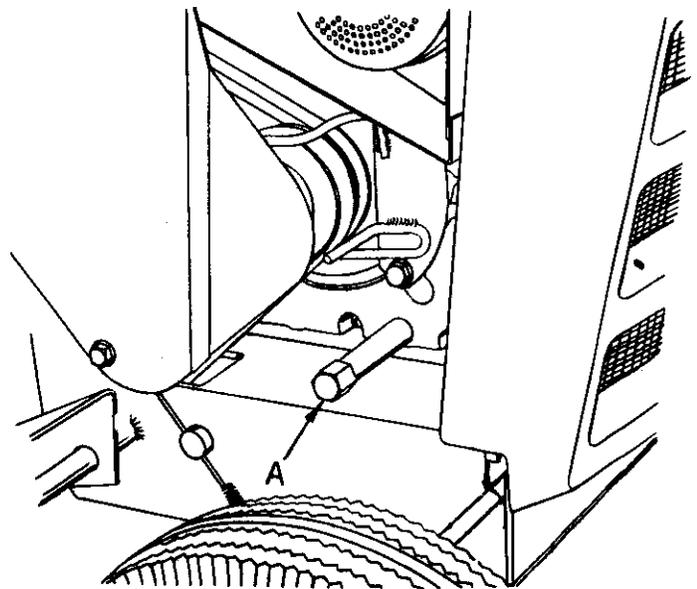


FIG. 13

1. Change oil in engine crankcase after **FIRST 2 HOURS** of operation. Engine should be warm when oil is changed.
2. To drain oil, unscrew petcock (A), at lower front end of engine. Catch used oil in suitable container.

Engine Lub. continued on page 10.

ENGINE LUBRICATION

Continued from page 9.

OIL FILLER CAP
AND DIP STICK

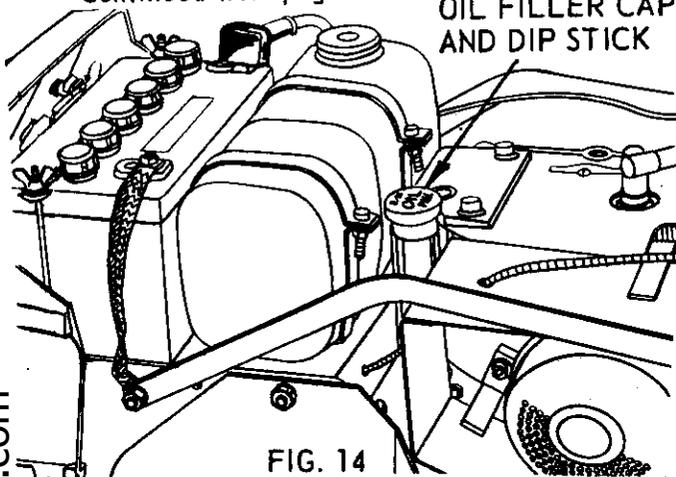


FIG. 14

3. Refill engine crankcase with oil as instructed under "Before Starting the Engine", page 7. Capacity 3-1/8 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.

IMPORTANT: BE EXTREMELY CAREFUL TO PREVENT DIRT OR FOREIGN PARTICLES FROM ENTERING THE ENGINE CRANKCASE OR TRANSMISSION WHEN CHECKING OIL LEVEL.

TRANSAXLE (TRANSMISSION) LUBRICATION

FILLER
PLUG

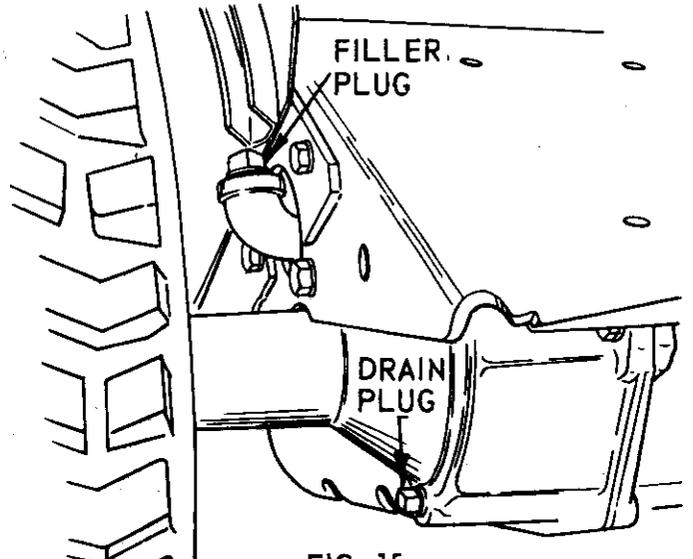
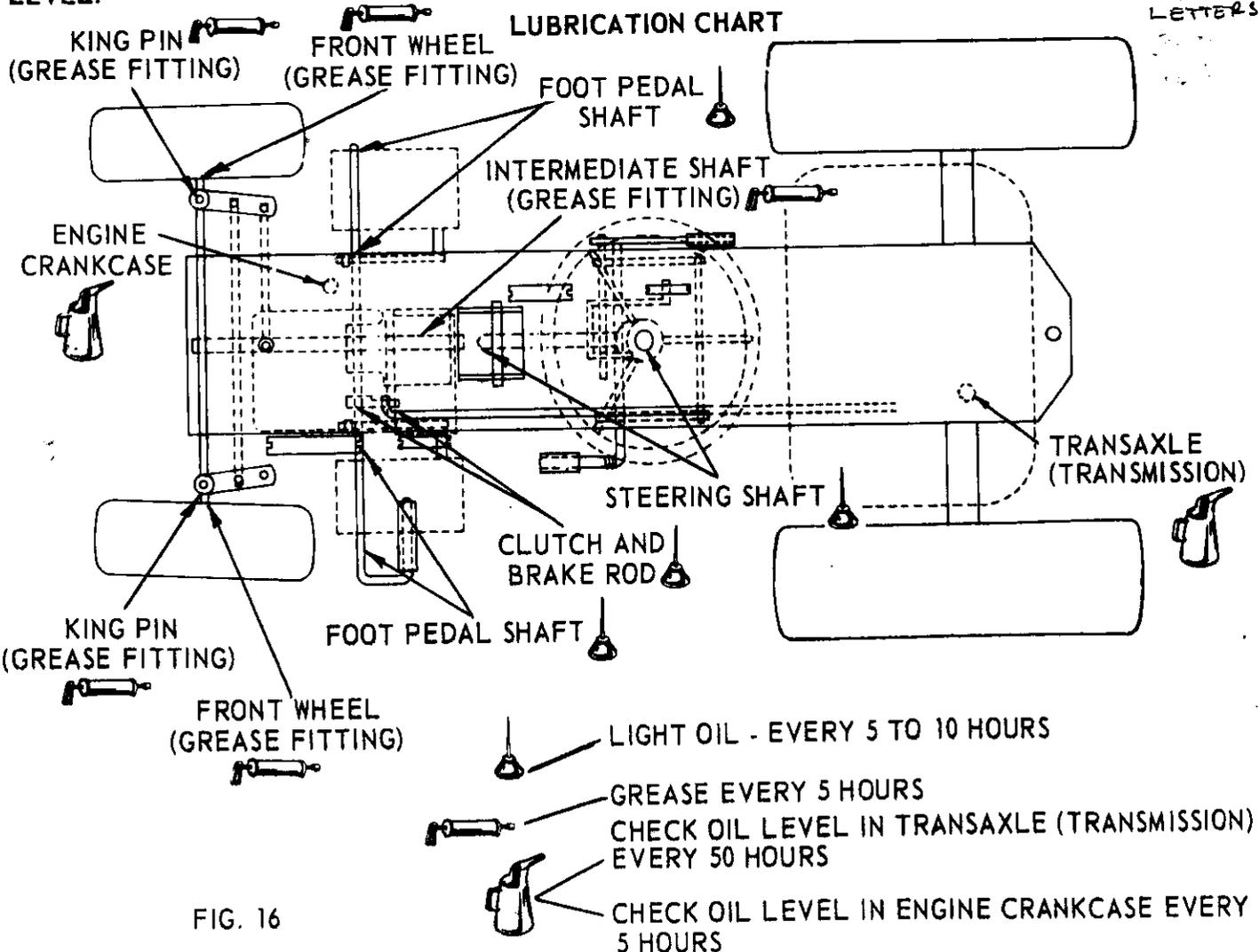


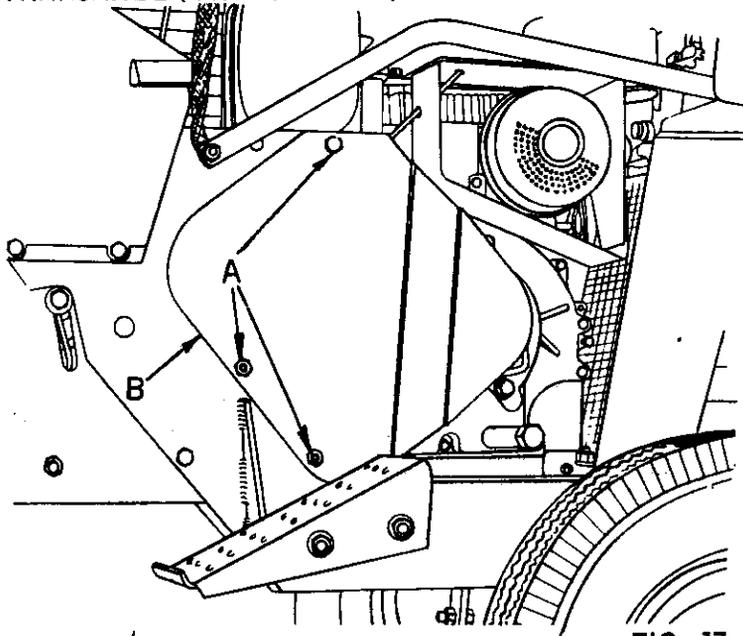
FIG. 15

1. Check oil in transaxle (transmission) every 50 hours of operation. To check oil level, remove filler plug (Fig. 15) 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 ~~M4~~ or ~~M5~~ or equivalent. Fill through filler plug as shown.

OLD SERV LETTERS



TRANSAXLE (TRANSMISSION) DRIVE BELT ADJUSTMENT



Remove bolts and nuts (A), from belt guard (B), and remove guard.

FIG. 17

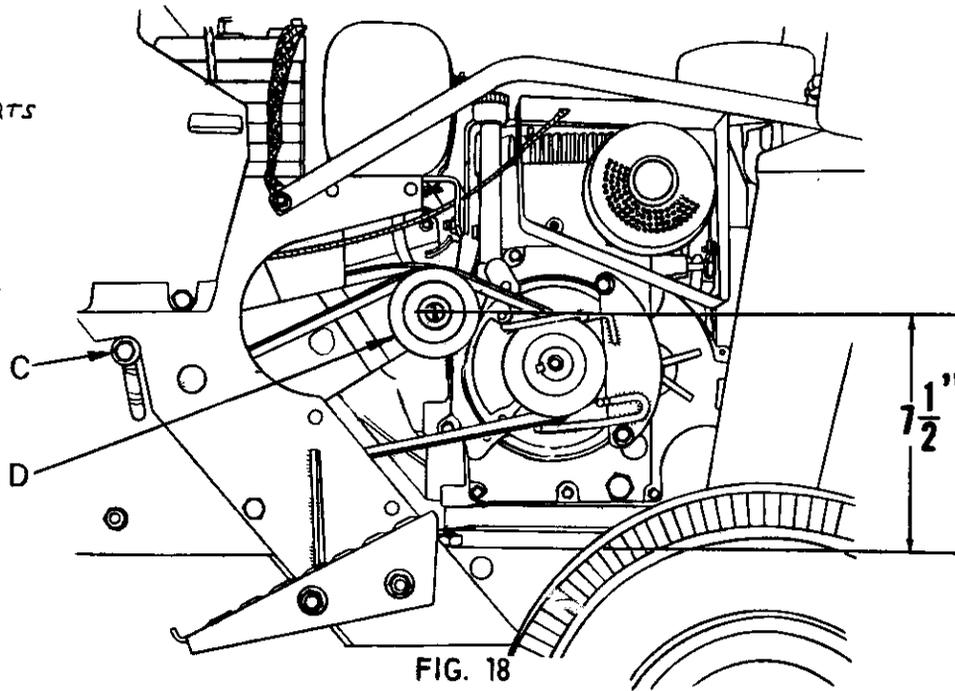


FIG. 18

A new belt will stretch after the first few hours of operation, then after initial stretch, adjustment is seldom necessary.

1. Loosen bolt (C), in flat idler and push bolt down in slot of frame until center of idler pulley (D), is $7\frac{1}{2}$ inches above frame as shown in Fig. 18.
2. Tighten bolt (C), in flat idler securely making sure belt guide finger on bolt (C), clears belt approximately $\frac{1}{8}$ inch.
3. Replace belt guard (B, Fig. 17).

NOTE: Foot pedal should be in vertical or just back of vertical position with clutch engaged.

CHANGED OIL 11/85
USED SAE 30.
SALES SAID COULD USE
SAE 10W-30W -
LOW FILL USED 4 1/2 QTS

BRAKE ADJUSTMENT

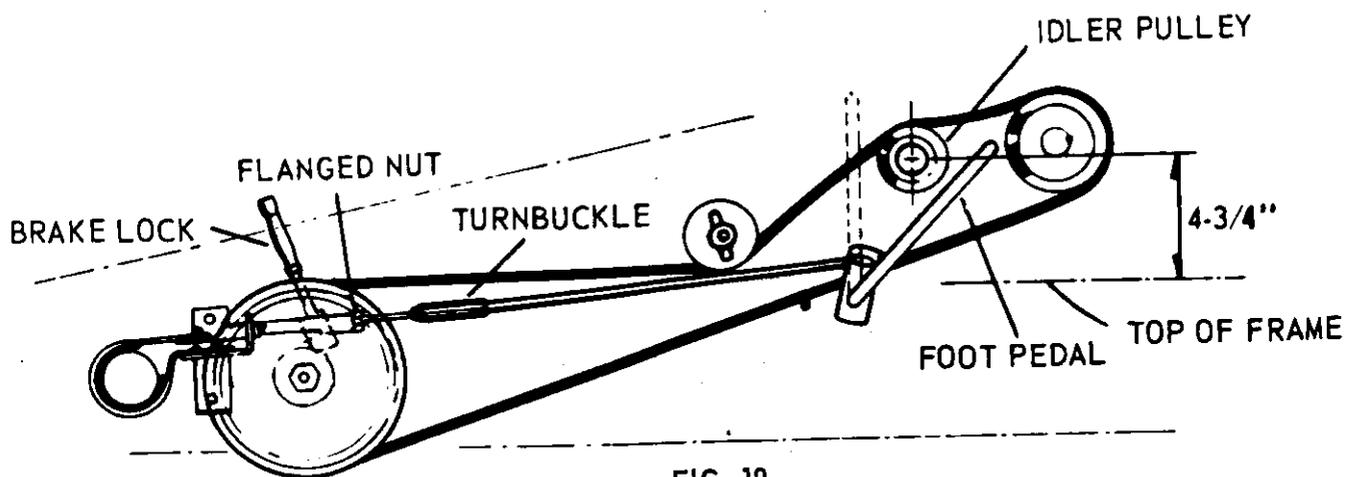


FIG. 19

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 4-3/4 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.

WEIGHTS (Optional Equipment)

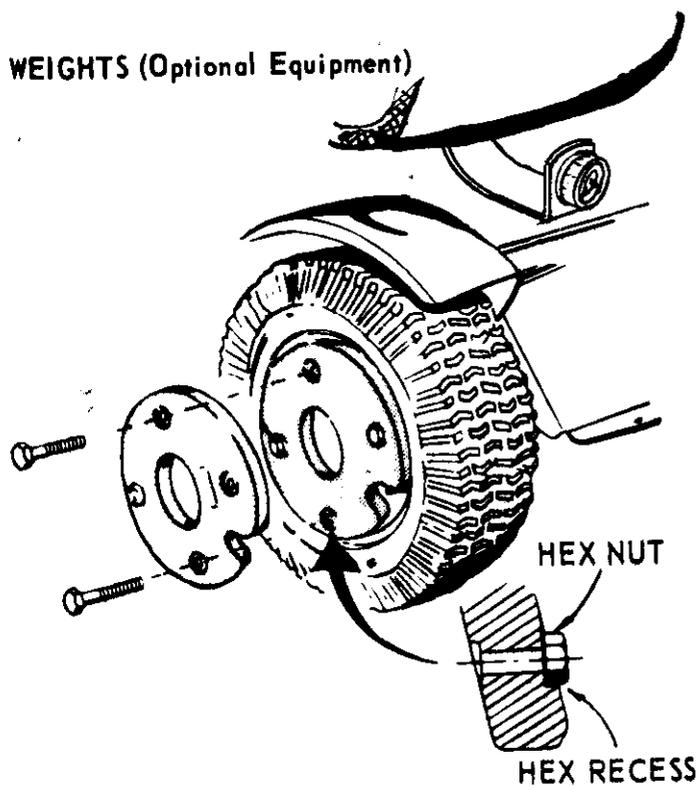


FIG. 20

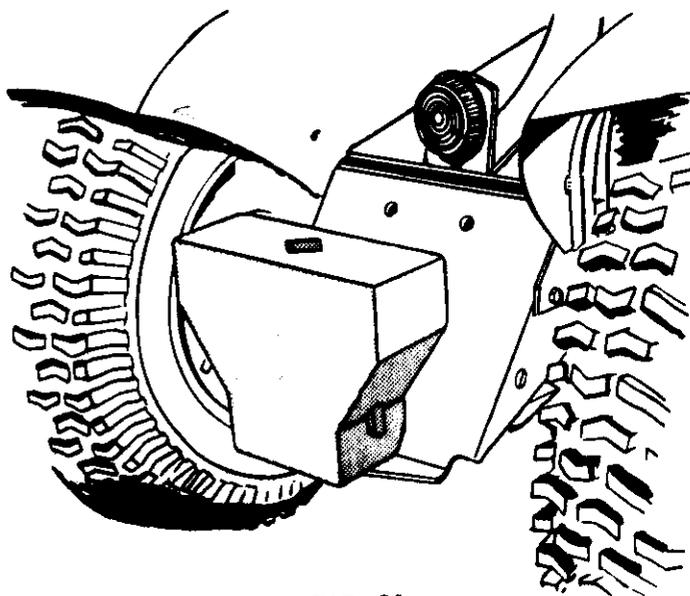


FIG. 21

Rear wheel weights (Fig. 20), are very essential for added traction. This is especially true for attachments such as the plow, disc harrow, leveler blade, rotary snowplow, bulldozer, etc. Rear end weight (Fig. 21), will act as a counterweight for heavy front loads or attachments. Especially helpful with rotary snowplow.

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. Refer to engine manual.
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. Refer to engine manual.
Low oil level or dirty oil.....	Check or change oil, see pages 9 and 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 11.
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 pages 9 and 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. Refer to engine manual.
Dirty engine.....	Clean fins on cylinder head and around cylinder.

MAINTENANCE AND SERVICE

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.

TIRES

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

Avoid stumps, stones, deep ruts and other hazards. Cuts in tires should be repaired immediately as neglect decreases the tire life. Keep tires free from oil and grease as both destroy rubber. After using the tractor for spraying--insect control work--wash off any chemicals that may be on the tires.

To repair a punctured tire, front wheel may be removed by unsnapping "E" ring from front spindle and sliding washer and front wheel complete with tire from spindle. Remove rear wheel by unscrewing three hub bolts from wheel and hub. A local automobile repair station can repair tire in same manner as an automobile.

BATTERY CARE - IMPORTANT

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 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 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 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 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

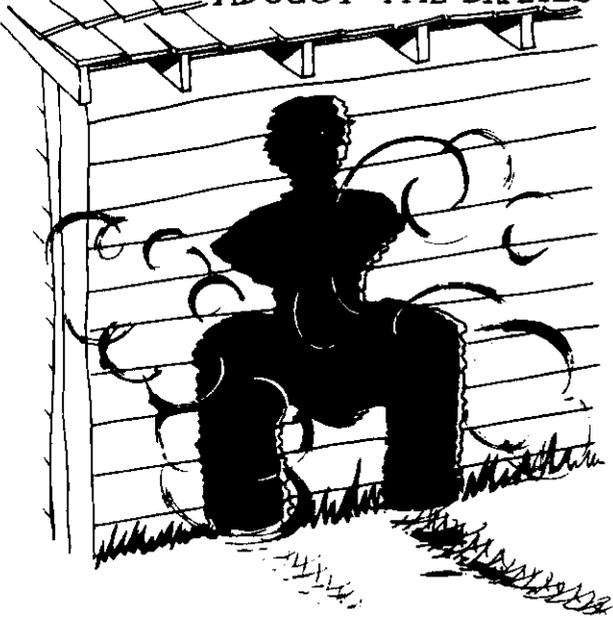
In the event your tractor is to be inoperative for periods in excess of 30 days - prepare for storage as outlined below:

1. Drain gas tank.
2. Drain carburetor by allowing engine to run out of gasoline. Then push in drain valve 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. Do not save or store gasoline over winter.

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.

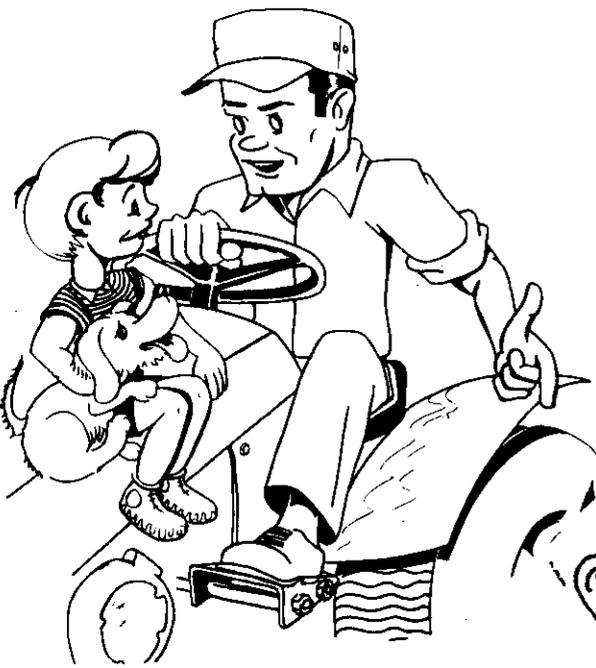
ADJUST THE BRAKES



CAUTION: NEVER REMOVE THE FUEL TANK CAP OR FILL THE FUEL TANK WHEN THE ENGINE IS RUNNING HOT OR WHEN NEAR AN OPEN FLAME. DO NOT SMOKE WHEN WORKING AROUND FLAMMABLE FUEL, AS THE AIR AROUND THE TRACTOR IS MIXED WITH A HIGHLY EXPLOSIVE VAPOR. WHEN POURING FUEL, KEEP THE CONTAINER OR HOSE NOZZLE IN CONTACT WITH THE METAL OF THE FUEL TANK TO AVOID THE POSSIBILITY OF AN ELECTRIC SPARK IGNITING THE GAS. DO NOT SPILL GASOLINE ON A HOT ENGINE.

KEEP TIRES FREE FROM OIL AND GREASE AS BOTH DESTROY RUBBER.

DON'T CARRY PASSENGERS

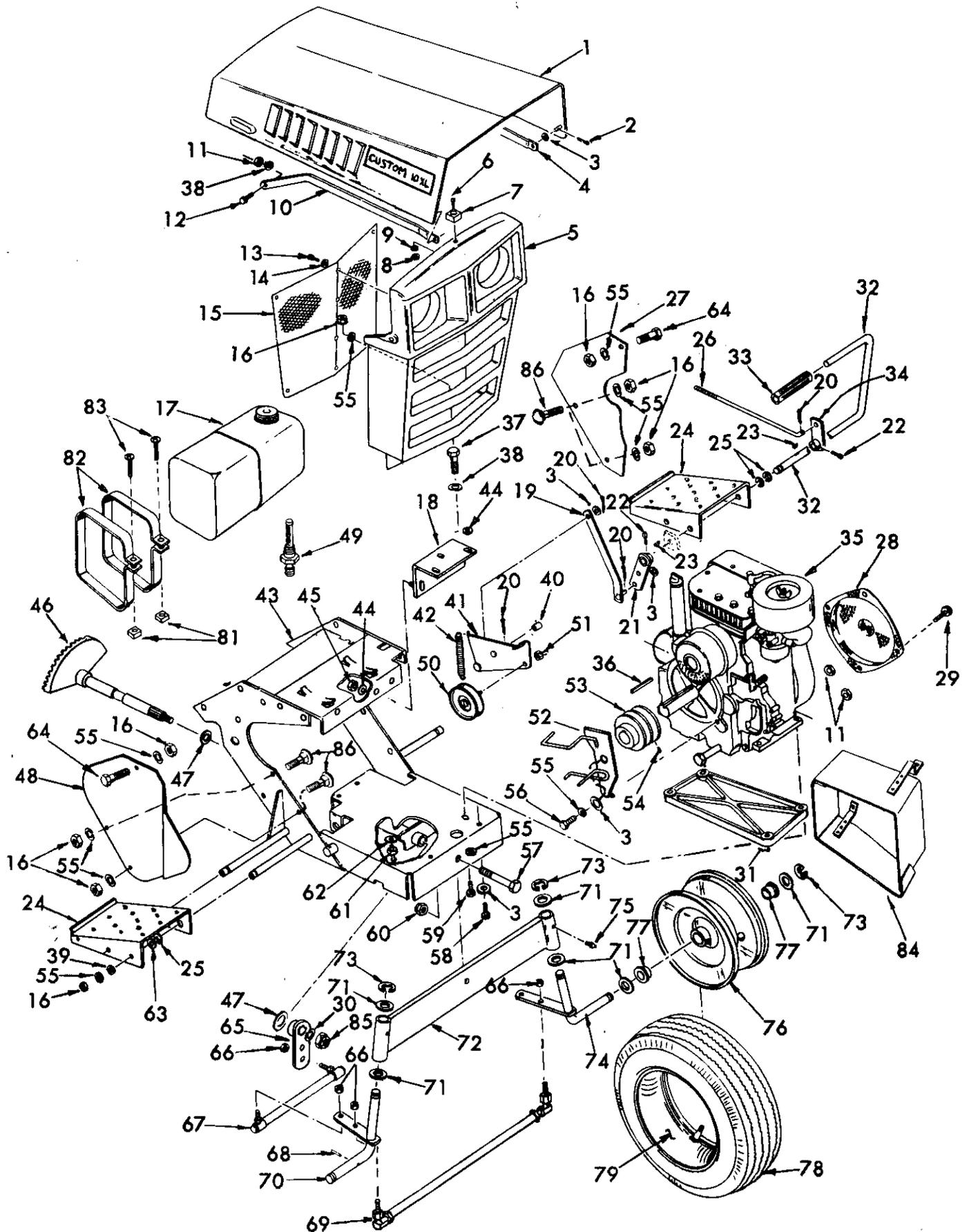


You won't
find any in our
tractor!



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.

CUSTOM 10XL TRACTOR--MODEL NUMBER 917.25590

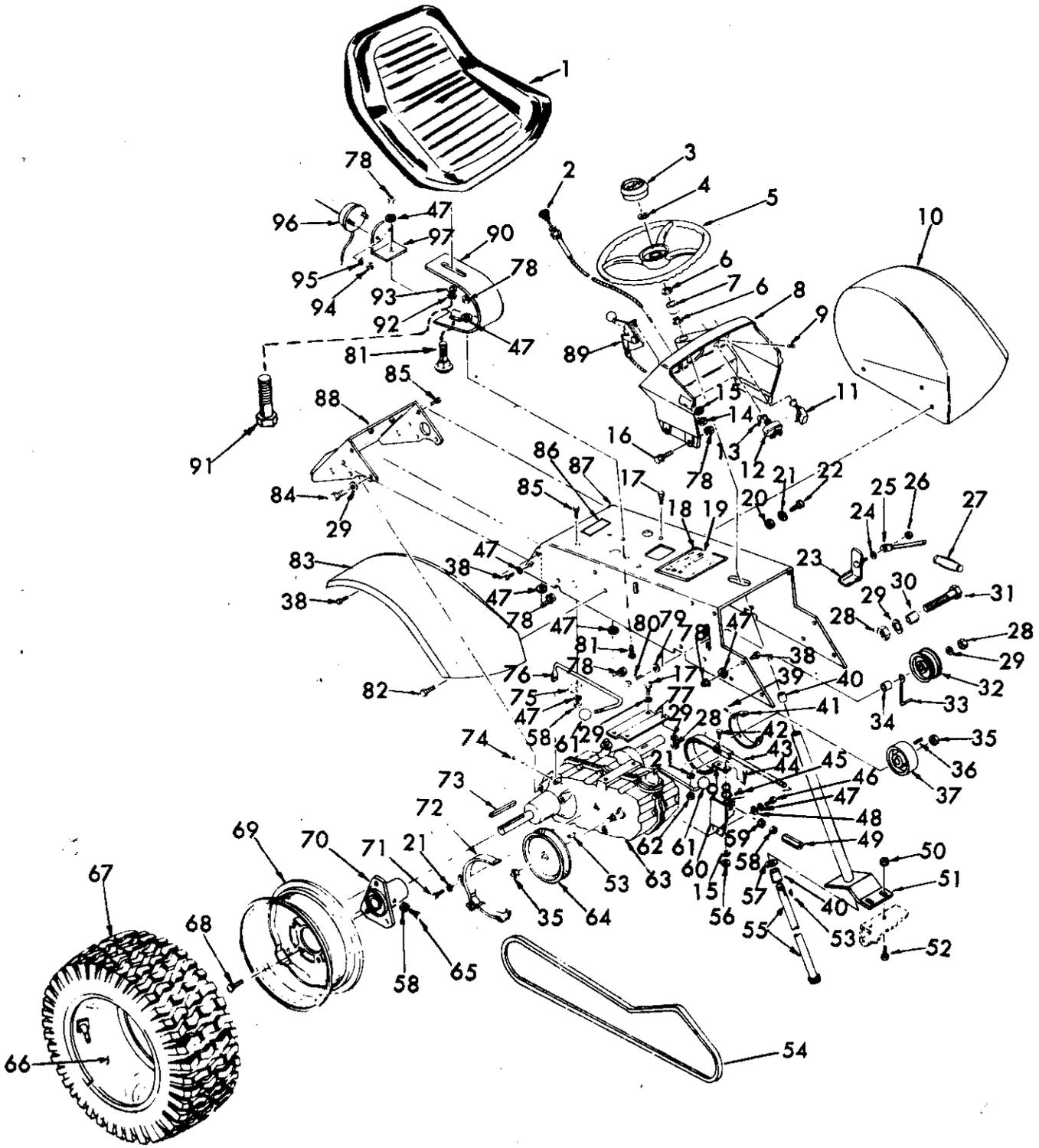


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CUSTOM 10XL TRACTOR--MODEL NUMBER 917.25590

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	626A268	Hood Assembly	44	1537P	Washer 11 32 x 11 16 x 16 Ga.
2	2503P	Cotter Pin 3/32 x 3/4	45	1685H	Locknut 5 16 - 18
3	1513P	Washer 13/32 x 13/16 x 16 Ga.	46	626A253	Intermediate Shaft Assembly
4	805R	Grill Brace-L.H.	47	9000H	Thrust Washer
5	8828H1	Grill Frame	48	8212H	Belt Guard
6	3198P	Mach. Screw, Slotted Rd. Hd. #10 - 24 x 1	49	815R	Fuel Line Fitting
7	8887H	Rubber Bumper	50	5146H	Idler Pulley
8	505P	Hex Nut #10 - 24	51	511P	Nylock Nut 3 8 - 24
9	106P	Lockwasher #10	52	626A188	Belt Guide Assembly
10	806R	Grill Brace R.H.	53	626A221	Engine Pulley
11	504P	Hex Nut 5/16 - 18	54	4525P	Set Screw, Hex Socket Headless 3 8 - 16 x 3 8
12	3010P	Hex Bolt 5/16 - 18 x 3/4	55	1004P	Lockwasher 3/8
13	6029P	Self Tapping Screw W Lockwasher 1/4 - 20 x 5/8	56	3021P	Hex Bolt 3/8 - 16 x 3/4
14	1509P	Washer 5/16 x 3/4 x 16 Ga.	57	3217P	Hex Bolt 5 8 - 11 x 3-1/2
15	8837H	Grill Screen	58	3027P	Hex Bolt 3 8 - 16 x 1-1/2
16	501P	Hex Nut 3 8 - 16	59	3028P	Hex Bolt 3 8 - 16 x 1-3/4
17	814R	Fuel Tank	60	4764H	Huglock Nut 5 8 - 11
18	626A239	Engine Tie Bracket Assembly	61	6842M	Grease Fitting
19	626A196	Clutch Rod Assembly	62	1506P	Washer 9 32 x 1/2 x 14 Ga.
20	2505P	Cotter Pin 1 8 x 3/4	63	1550P	Washer 21 32 x 1 x 12 Ga.
21	626A31A	Steering Arm Assembly	64	3023P	Hex Bolt 3 8 x 16 x 1
22	4501P	Set Screw, Sq. Hd. 5 16 - 18 x 1/2	65	626A254	Steering Arm Assembly
23	9858M1	Woodruff Key 3 16 x 5 8	66	511P	Nylock Nut 3 8 - 24
24	8172H	Foot Rest	67	5137H	Steering Link
25	5001P	E-Ring	68	5142H	Roll Pin 3 16 x 1-1/4
26	8811H1	Brake Rod Front	69	816R	Tie Rod, Adjustable
27	664R	Tie Plate Cover	70	626A194	King Pin Assembly-R.H.
28	704R	Screen Guard	71	1552P	Washer 49 64 x 1-1/4 x 16 Ga.
29	6040P	Mach. Screw, Slotted Fil. Hd. 1/4 - 28 UNC x 3/4 with Sems	72	626A244	Rocker Bar (Front Axle) Assem
		Lockwasher	73	5000P	E-Ring
30	542P	Nut, Hex 1/4 - 28	74	626A193	King Pin Assembly-L.H.
31	668R	Engine Mounting Block	75	6855M	Grease Fitting
32	803R	Foot Pedal Shaft	76	9194H	Front Wheel
33	4382H	Foot Pedal	77	9040H	Flanged Bearing
34	634A33A	Brake Arm Assembly	78	5104H	Tire 2 Ply
35	626A248	Engine, Craftsman 10 H.P. Model No. 143.619012-- See Price List 932.00 for Ordering Instructions	79	338H	Inner Tube
		Sq. Key 1/4 x 2	80	1559P	Washer 7 16 x 1 x 10 Ga.
36	9396E	Sq. Key 1/4 x 2	81	503P	Nut, Sq. 1/4 - 20 UNC
37	3010P	Bolt, Hex 5 16 - 18 UNC x 3/4	82	809R	Tank Strap
38	1003P	Lockwasher 5/16	83	3153P	Mach. Screw, Rd. Hd. Phillips 1/4 - 20 UNC x 1-1/4
39	1556P	Washer 13/32 x 7/8 x 14 Ga.	84	626A282	Heat Shield Assembly
40	8094H	Bearing			
41	626A241	Idler Bracket Assembly			
42	5105H	Idler Spring			
43	626A246	Engine Mount and Tie Plate Assembly			

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CUSTOM 10 XL TRACTOR--MODEL NUMBER 917.25590

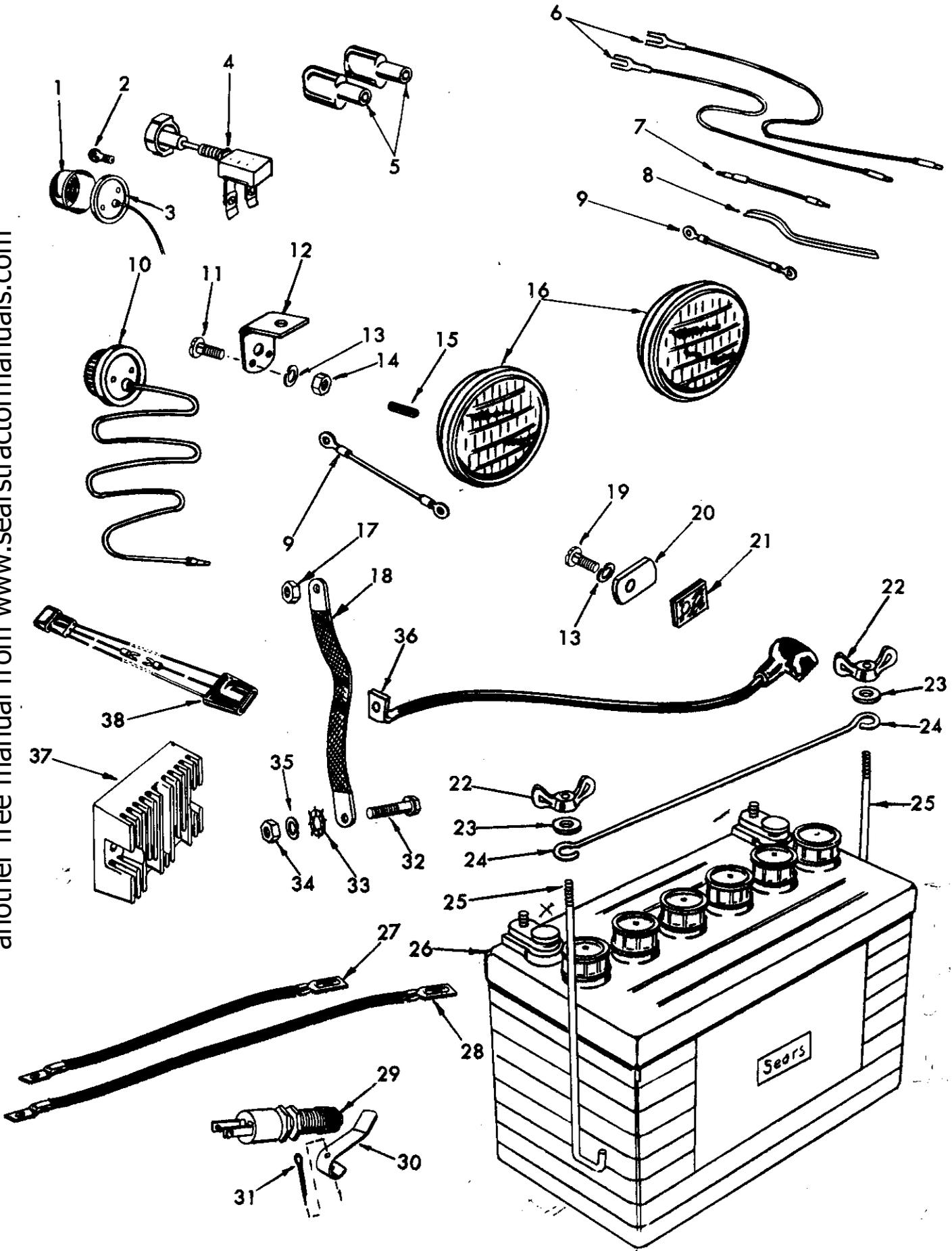
STD 325730
5/8" x 73"
MFG # L573

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KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	9578H	Seat	48	1513P	Washer 13/32 x 13/16 x 16 Ga.
2	6466H	Choke Control	49	6417H	Turnbuckle
3	9357H	Steering Wheel Cap	50	8698H	Flange Nut
4	5000P	E-Ring	51	626A109	Steering Column Assembly
5	5138H	Steering Wheel	52	3091P	Bolt, Hex 3/16 - 16 x 1 Heat Treated
6	9007H	Cap	53	9858M1	Woodruff Key <i>1.2/15/86</i>
7	5949H	Rubber Bushing	54	8833H	V-Belt (Engine to Transaxle) <i>15.99</i>
8	8175H	Dash Board Assembly	55	626A29	Steering Shaft Assembly
9	4502P	Hex Socket Headless Set Screw 5/16 - 18 x 5/16	56	503P	Hex Nut 1/4 - 20
10	634A212A	Fender and Brace-L.H.	57	1552P	Washer 49/64 x 1-1/4 x 16 Ga.
11	5735H	Light Switch	58	501P	Hex Nut 3/8 - 16
12	7486H	Ignition Switch	59	6000H	Large Flange Nut
13	7552H	Key	60	626A208	Brake Bracket Assembly
14	503P	Hex Nut 1/4 - 20	61	6364H	Control Knob
15	1002P	Lockwasher - 1/4	62	1685H	Lock Nut
16	3027P	Hex Bolt 3/8 - 16 x 1-1/2	63	633A45	Transaxle with Brake Drum
17	3034P	Hex Bolt 7/16 - 14 x 1	64	8840H	Transaxle Pulley with Set Screw
18	9521H	Drive Rivet	65	4524P	Set Screw, Sq. Hd. 3/8 - 16 x 1-1/4
19	-----	Shift Pattern Plate	66	1296H	Inner Tube 6.00 x 12
20	504P	Hex Nut 5/16 - 18	67	5808H	Tire 2 ply 7.50 x 12
21	1003P	Lockwasher - 5/16	68	1304H	Hub Bolt
22	3009P	Hex Bolt 5/16 - 18 x 5.8	69	1297H1	Rim Disc Wheel
23	634A396	Parking Lock Assembly	70	8827H	Wheel Hub - Rear
24	5999H	Spring Washer	71	3010P	Hex Bolt 5/16 - 18 x 3/4
25	634A170	Blade Clutch Handle	72	626A209	Rear Belt Guard Assembly
26	511P	Nylock Nut 3/8 - 24	73	8327H	Sq. Key 1/4 x 3
27	4379H	Shift Handle Grip	74	2511P	Cotter Pin 3/16 x 1
28	500P	Hex Nut 7/16 - 14	75	6442H	Shift Rod Bracket
29	1001P	Lockwasher - 7/16	76	6477H	Shift Range Rod
30	807R	Retainer Spacer	77	6459H	Transaxle Bracket
31	3231P	Bolt, Hex 7/16 - 14 x 2-3/4	78	501P	Hex Nut 3/8 - 16
32	6635H	Flat Idler	79	1544P	Washer 15/32 x 59/64 x 16 Ga.
33	6479H1	Belt Guide Finger	80	3197P	Hex Bolt 7/16 - 14 x 3-1/4
34	8209H	Idler Spacer	81	20P	Bolt, Sq. Neck Carriage, 3/8 - 16 x 1
35	9204H	Lock Nut	82	3022P	Hex Bolt 3/8 - 16 x 7/8
36	2228M	Woodruff Key 3/16 x 3/4	83	634A213A	Fender and Brace-R.H.
37	7648H	Brake Drum	84	3035P	Hex Bolt 7/16 - 14 x 1-1/4
38	3025P	Hex Bolt 3/8 - 16 x 1	85	3021P	Hex Bolt 3/8 - 16 x 7/8
39	2004P	Brass Tubular Rivet - #4 x 1/4	86	-----	Model Number Plate
40	4437H	Steering Bushing	87	752R	Chassis Channel
41	7645H	Braking Lining	88	634A101	Drawbar and Weldnuts
42	3159P	Hex Bolt 5/16 - 18 x 7/8	89	626A255	Throttle Control
43	626A210	Braking Rod Assembly	90	5053H	Seat Spring
44	4P	Bolt, Sq. Neck Carriage 1/4 - 20 x 5/8	91	3044P	Bolt, Hex 1/2 - 13 UNC x 1-1/4
45	3164P	Flat Hd. Mach. Screw Undercut 3/8 - 16 x 3/4	92	1000P	Lockwasher 1/2
46	3022P	Hex Bolt 3/8 - 16 x 7/8	93	1546P	Washer 17/32 x 1-1/2 x 11 Ga.
47	131099	Lockwasher - 3/8	94	505P	Hex Nut #10 - 24
			95	1006P	Lockwasher #10
			96	8169H1	Tail Light
			97	8143H	Tail Light Bracket
			98	634A167	Brake Band and Lining
			-----	673R	Instruction and Repair Parts Manual

CUSTOM 10XL TRACTOR--MODEL NUMBER 917.25590

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CUSTOM 10XL TRACTOR--MODEL NUMBER 917.25590

WIRING DIAGRAM AND REPAIR PARTS

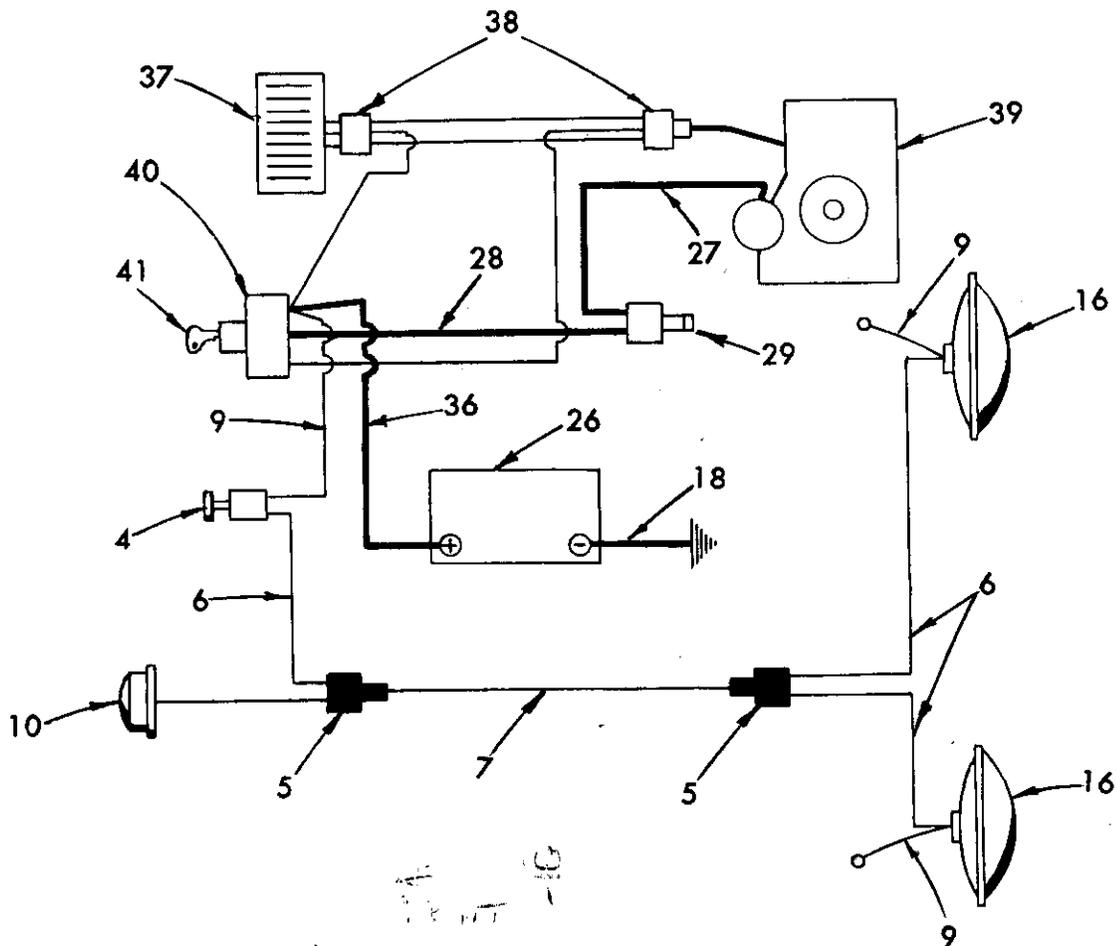
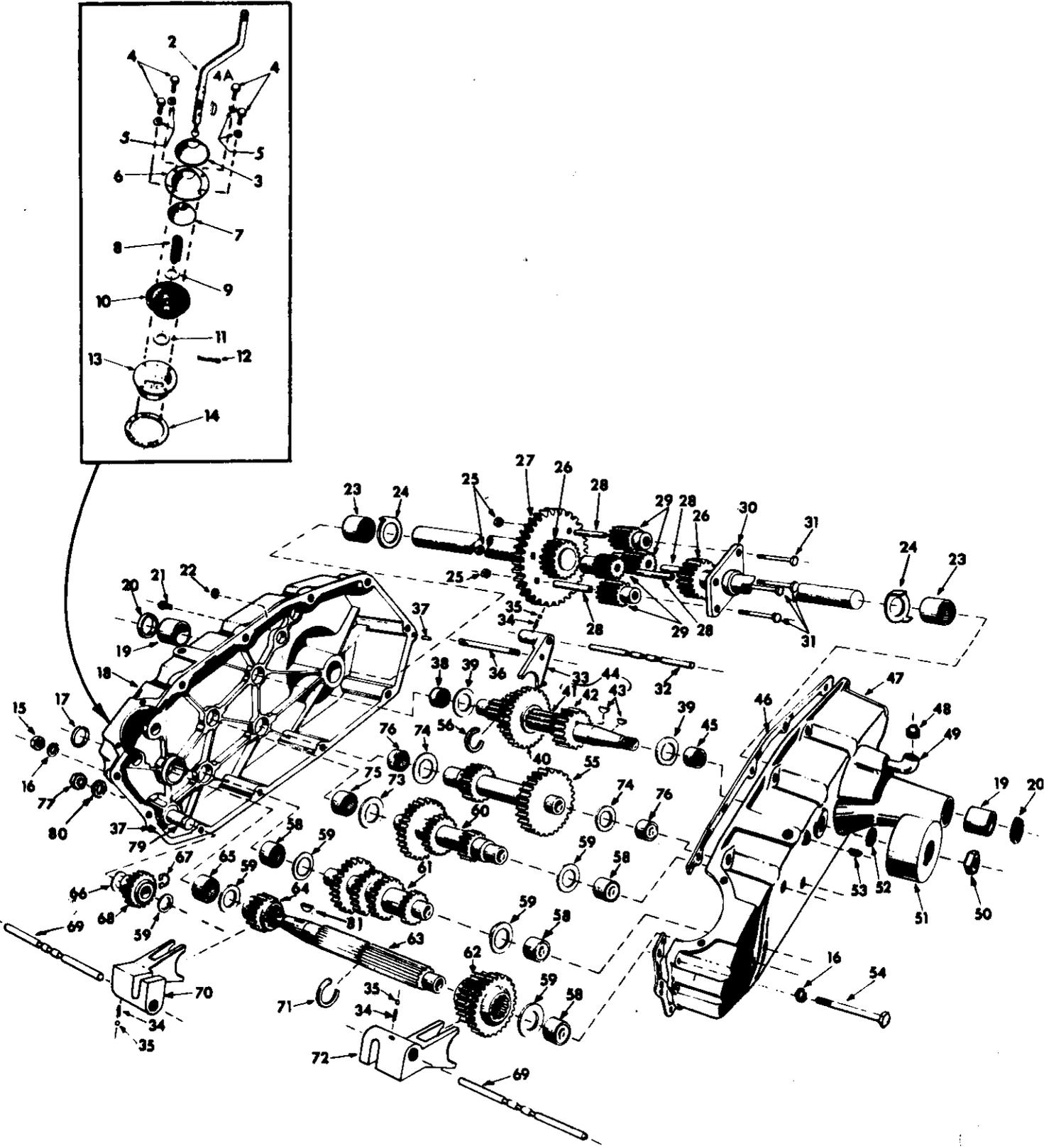


FIG. 10

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KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8292H	Lens - Tail Light	24	5110H	Battery Clamp <i>Part # 5770 # 599 10/12/9</i>
2	8291H	Bulb - Tail Light	25	5072H	Battery Bolt <i>P# 70456 (2) 798 10/12/91</i>
3	8293H	Housing - Tail Light	26	5111H3	Battery <i>96042 # 4450 10/12/91</i>
4	5735H	Light Switch	27	67QR	Cable <i>71071 01/01/95 BATT. 1-15</i>
5	5740H	Wire Connector	28	1031R	Cable
6	6136H	Lead Wire	29	772R	Switch - Safety Start
7	6144H	Lead Wire	30	811R	Actuator-Safety Start Switch
8	6541H	Tie	31	2507P	Cotter Pin 1/8 x 1-1/4
9	7035H	Ground Wire	32	3010P	Bolt, Hex 5/16 - 18 x 7/8
10	8169H1	Tail Light (Inc. Key No's. 1, 2 and 3)	33	1402P	Lockwasher - External
11	3073P	Machine Screw, Slotted Truss Hd. #10-24 x 1/2	34	504P	Nut, Hex 5/16-18
12	8143H	Tail Light Bracket	35	1003P	Lockwasher 5/16
13	1006P	Lockwasher #10	36	626A140	Cable and Cover
14	505P	Nut, Hex #10-24	37	-----	Rectifier (Refer to Engine Manual)
15	9197H	Hose	38	671R	Rectifier Terminal and Lead
16	7034H	Head Light	39	626A248	Engine, Craftsman 10 H.P. Model No. 143.619012-See Price List 932.00 for Ordering Instructions
17	503P	Nut, Hex 1/4 - 20	40	7486H	Ignition, Starter Switch and Key (Inc. Key No. 41)
18	5114H	Ground Strap	41	7552H	Key
19	5501P	Machine Screw, Phillips Pan Hd. #10-24 x 3/8 Type T			
20	8768H	Mounting Clip			
21	8784H1	Rubber Spacer			
22	3748M	Wing Nut			
23	1509P	Washer 5/16 x 3/4 x 16 Ga.			

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CUSTOM 10XL TRACTOR--MODEL NUMBER 917.25590

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	633A45	Transaxle Assembly W/Brake Drum	38	8118M	Needle Bearing
2	8735H1	Gear Shift Lever - Bent	39	6266H	Thrust Bearing Race
3	4869H1	Gear Shift Cap	40	633A14	High - Low Range Gears and Hub
4	3010P	Hex Bolt 5/16 - 18 x ¾	41	6221H	3rd Reduction Gear Shaft
4A	7835M	Woodruff Key 1/8 x ½	42	8659H	4th Reduction Pinion
5	1003P	Lockwasher 5/16	43	2228M	Woodruff Key 3/16 x ¾ H.T.
6	633A39A	Gear Shift Ball Cover and Pin	44	633A32	3rd Reduction Shaft and Gear
7	8739H1	Shift Lever Guide Ball - Keyed	45	8119M	Needle Bearing
8	4924H	Spring	46	6275H	Gasket - Gearcase
9	1544P	Washer 15/32 x 59/64 x 16 Ga.	47	633A41	Gear Case and Bearings-L.H.
10	6273H	Shift Mechanism Seal	48	4002P	Pipe Plug ½ - 14 N.P.T.
11	1525P	Washer 9/16 x 15/16 x 11 Ga.	49	4003P	90° Street Elbow ½ - 14 N.P.T.
12	2505P	Cotter 1/8 x ¾	50	9204H	Lock Nut
13	633A19	Gear Shift Gate and Reinforcement	51	7648H1	Brake Drum
14	6274H	Gasket - Shift Ball Cover	52	6271H	Oil Seal
15	504P	Hex Nut 5/16 - 18	53	4001P	Pipe Plug ¼ - 18 N.P.T.
16	1007P	Lockwasher 5/16 Extra Heavy	54	3087P	Hex Bolt 5/16 - 18 x 1½ Grade 5 H.T.
17	6270H	Oil Seal	55	633A33	4th Reduction Shaft and Gears
18	633A42A	Gear Case, Reverse Idler Shaft and Bearings R.H.	56	6276H	Snap Ring
19	992R	Sintered Iron Bearing	58	4895H	Needle Bearing
20	4910H	Oil Seal	59	1370H	Thrust Bearing Race
21	5855H	Pressure Relief Valve	60	633A31	2nd Reduction Shaft and Gears
22	6269H	Oil Seal	61	633A30	Speed Change Gears and Shaft
23	8740H1	Sintered Iron Bearing	62	633A11	Intermediate and High Speed Pinions
24	6256H	Axle Thrust Washer	63	6218H	Input Shaft
25	7810H	Centerlock Gripco Nut 3/8 - 24	64	6231H	Low Speed Pinion
26	633A43	Axle Shaft and Gear - Custom	65	4894H	Needle Bearing
27	8662H	Final Drive Gear	66	7392H	Reverse Idler Thrust Washer
28	6252H1	Bushing - Differential Pinion	67	5001P	E Ring
29	8657H	Differential Pinion	68	8737H	Reverse Idler Gear
30	6263H1	Differential Carrier	69	6216H	Shift Fork Shaft
31	103672	Hex Bolt 3/8 - 24 x 3¼ 1" Thread Length	70	6262H	Shift Fork - R.H.
32	6217H	High - Low Range Shift Fork Shaft	71	4926H	Snap Ring - Crescent Type
33	6260H	Shift Fork, High Low Range	72	6261H	Shift Fork - L.H.
34	6272H	Spring - Shaft Fork Detent	73	7395H	Thrust Bearing Race
35	7392M	Steel Ball	74	7396H	Thrust Bearing Race
36	6215H	High - Low Range Shift Shaft	75	7398H	Needle Bearing
37	6277H	Dowel Pin	76	8117M	Needle Bearing
			77	541P	Hex Jam Nut 7/16 - 20
			79	7384H	Reverse Idler Shaft
			80	1167R	Sealing Washer
			81	9858M1	Woodruff Key

626x88

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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.

Sears

owners manual

CUSTOM 10XL TRACTOR

**MODEL NO.
917.25590**

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.

1. The PART NUMBER
2. The PART DESCRIPTION
3. The MODEL NUMBER
917.25590
4. The NAME OF ITEM-
Tractor

Your Sears Merchandize takes on added value when you discover that Sears has over 2,000 Service Units throughout the country. Each is staffed by Sears-trained, professional technicians using Sears approved parts and methods.

**SEARS SERVICE
IS AT YOUR SERVICE
WHEREVER YOU LIVE
OR MOVE
IN THE U.S.A.**

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

SIMPSONS-SEARS LIMITED, CANADA

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