

MODEL NO. 917.255581

Caution:
Read and follow
all Safety Rules
and Instructions
Before Operating
This Equipment



CRAFTSMAN®

12.5 HP I/C
ELECTRIC START
3 in One Convertible
42" MOWER DECK
6 SPEED TRANSAXLE
LAWN TRACTOR

- Assembly
- Operation
- Customer Responsibilities
- Service and Adjustment
- Repair Parts



SAFETY RULES

Safe Operation Practices for Ride-On Mowers



IMPORTANT: THIS CUTTING MACHINE IS CAPABLE OF AMPUTATING HANDS AND FEET AND THROWING OBJECTS. FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Turn off blades when not mowing.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.

II. SLOPE OPERATION

Slopes are a major factor related to loss-of-control and tipover accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

DO:

- Mow up and down slopes, not across.
- · Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. *Tall grass can hide obstacles*.
- Use slow speed. Choose a low gear so that you will not have to stop or shift while on the slope.
- Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability.
- Use extra care with grass catchers or other attachments.
 These can change the stability of the machine.
- Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope.

DO NOT:

- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
- Do not mow near drop-offs, ditches, or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.
- Do not mow on wet grass. Reduced traction could cause sliding.
- Do not try to stabilize the machine by putting your foot on the ground.

Do not use grass catcher on steep slopes.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never* assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and down for small children.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- · Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
 - Use only an approved container.
 - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
 - Never refuel the machine indoors.
 - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
- Never run a machine inside a closed area.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.



Look for this symbol to point out important safety precautions. It means CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.



CAUTION: Always disconnect spark plug wire and place wire where it cannot contact spark plug in order to prevent accidental starting when setting up, transporting, adjusting or making repairs.

CONGRATULATIONS on your purchase of a Sears Tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Center/Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your unit properly. Always observe the "SAFETY RULES".

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DATE OF PL	D RECORD BOTH SERIAL NUMBER AND JRCHASE AND KEEP IN A SAFE PLACE E REFERENCE.

MAINTENANCE AGREEMENT

A Sears Maintenance Agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your unit.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this owner's manual.

PRODUCT SPECIFICATIONS

	QUARTS NLEADED REGULAR AE 30 (Above 32°F)
	ΛΕ 30 (Above 200E)
	AE 5W-30 (Below 32°F)
	HAMPION RJ-19LM TD361458
	ITAKE .005007 IN . XHAUST .009011 IN.
	ORWARD 1st 1.10 MPH 2nd 1.40 MPH 3rd 2.00 MPH 4th 3.00 MPH 5th 4.20 MPH 6th 5.00 MPH EVERSE: 1.50 MPH
	RONT: 14 PSI EAR: 10 PSI
	AMPS BATTERY AMPS HEADLIGHTS
BLADE BOLT TORQUE: 30	0-35 FT. LBS.

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

In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest Sears Authorized Service Center (See REPAIR PARTS section of this manual).

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two (2) years from the date of purchase, if this riding equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace, free of charge, any parts found to be defective in material or workmanship.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as blades, spark plugs, air cleaners and belts.
- · Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, negligence, improper storage or accident or the failure to maintain the
 equipment according to the instructions contained in the owner's manual.
- Riding equipment used for commercial or rental purposes.

LIMITED 90 DAY WARRANTY ON BATTERY

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

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE RIDING EQUIPMENT TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.

This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

SEARS, ROEBUCK AND CO., D/731CR-W, SEARS TOWER, CHICAGO, ILLINOIS 60684

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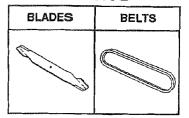
ACCESSORIES AND ATTACHMENTS

These accessories and attachments were available when the tractor was purchased. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can order these items for you when you provide the model number of your tractor.

ENGINE

SPARK PLUG MUFFLER AIR FILTER GAS CAN ENGINE OIL STABILIZER OF THE PLUG HOUSE OF TH

MAINTENANCE



PERFORMANCE

Sears offers a wide variety of attachments that fit your tractor. Many of these are listed below with brief explanations of how they can help you. This list was current at the time of publication; however, it may change in future years - more attachments may be added, changes may be made in these attachments, or some may no longer be available or fit your model. Contact your nearest Sears store for the accessories and attachments that are available for your tractor.

Most of these attachments do not require additional hitches or conversion kits (those that do are indicated) and are designed for easy attaching and detaching.

PERMANEX BAGGER lets you collect grass clippings and leaves for a healthier, neater looking lawn. Two Permanex containers hold 30-gallon plastic bags.

LAWN SWEEPERS let you collect grass clippings and leaves.

LAWN VACS for powerful collection of heavy grass clippings and leaves. Wand attachment to pick up debris in hard-to-reach places.

CARTS make hauling easy. Variety of sizes available.

ROLLER for smoother lawn surface. 36-inch wide, 18-inch diameter water-tight drum holds up to 390 lbs. of weight. Rounded edges prevent harm to turf. Adjustable scraper automatically cleans drum.

SPREADER/SEEDERS make seeding, fertilizing, and weed killing easy. Broadcast spreaders are also useful for granular de-icers and sand.

CORING AERATOR takes small plugs out of soil to allow moisture and nutrients to reach grass roots. 36-inch swath. 24 hardened steel coring tips. 150 lb. capacity weight tray.

AERATOR promotes deep root growth for a healthy lawn. Tapered 2.5-inch steel spikes mounted on 10-inch diameter discs puncture holes in soil at close intervals to let moisture soak in. Steel weight tray for increased penetration.

MULCH RAKE/DETHATCHER loosens soil and flips thatch and matted leaves to lawn surface for easy pickup. Twenty spring tine teeth. Useful to prepare bare areas for seeding. Available for front or rear mounting.

SPRAYERS use 12-volt DC electric motor that connects to the tractor battery or other 12-volt source. Includes booms for automatic spraying when pulling, and hand held wand for spot spraying. Wand has adjustable spray pattern. For applying herbicides, insecticides, fungicides, and liquid fertilizers.

SNOW BLADE for snow removal only. 14-inch high, 42-inch wide blade clears 38-inch path when angled left or right. Raises, lowers with side lever. Adjustable skids; replaceable, reversible scraper bar. (Use with tire chains, wheel weights, or rear drawbar weight.)

SNOWTHROWER has 40-inch swath. Drum-type auger handles powdery and wet/heavy snow. Mounts easily with simple pin arrangement. Discharge chute adjusts from tractor seat. 6-inch diameter spout discharges snow 10 to 50 feet. Lift controlled at tractor seat. (Use with chains, wheel weights, or rear drawbar weight.)

TIRE CHAINS are heavy duty; closely spaced extra-large cross links give smooth ride, outstanding traction.

WHEEL WEIGHTS for rear wheels provide needed traction for snow removal or dozing heavy materials. In pairs. (30 lbs. each.)

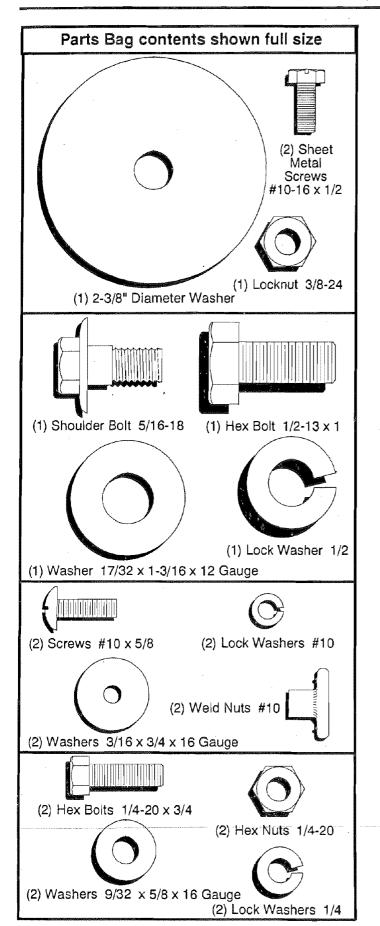
TRACTOR CAB has heavy duty vinyl fabric over tubular steel frame, ABS plastic top; clear plastic windshield offers 360 degree visibility. Hinged metal doors with catch. Keeps operator warm and dry. Remove vinyl and windshields for use as sun protector in summer. (Catalog only.)

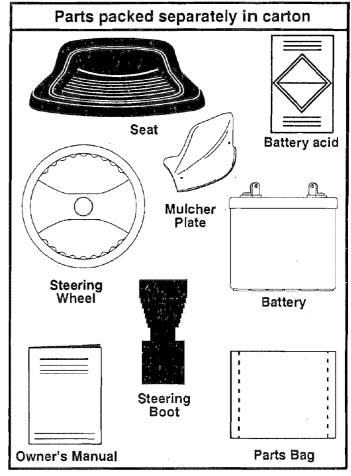
Optional accessories for tractor cab: tinted/tempered solid safety glass windshield with hand operated wiper; 12-volt amber caution light for mounting on cab top. (Catalog only.)

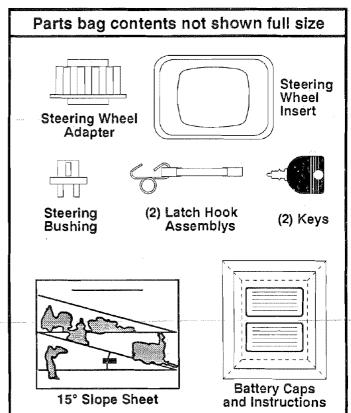
TRACTOR COVER protects tractor from weather. Made of Evolution 3 fabric (water-repellent, extremely breathable, light weight, soft, non-abrasive, pliable in all temperatures, durable, stain/tear/puncture resistant, will not shrink or stretch.) (Catalog only.)

TILLER has 5 hp engine and 36-inch swath to prepare seed beds, cultivate, and compost garden residue. Tiller has its own built-in lift and depth control system and does NOT require a sleeve hitch. Fits any lawn, yard, or garden tractor. Simply hook up to the tractor drawbar and go!

CONTENTS OF HARDWARE PACK







Your new tractor has been assembled at the factory with exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tractor all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to insure their proper tightness.

TOOLS REQUIRED FOR ASSEMBLY

A socket wrench set will make assembly easier. Standard wrench sizes are listed.

(1) 5/16" wrench

Tire pressure gauge

(2) 7/16" wrenches

Phillips Screwdriver

(1) 1/2" wrench

Utility knife

(1) 9/16" wrench

(1) 3/4" wrench

When right and left hand is mentioned in this manual, it means when you are in the operating position (seated behind the steering wheel).

TO REMOVE UNIT FROM CARTON UNPACK CARTON

- Remove all accessible loose parts and parts cartons from carton (See page 6).
- Cut along dotted lines on carton, from top to bottom, all four corners of carton and lay panels flat.
- Check for any additional loose parts or cartons and remove.

BEFORE ROLLING UNIT OFF SKID ATTACH STEERING WHEEL (See Fig. 1)

- Slide the steering bushing over the steering shaft.
- Raise steering shaft forward until screw holes in dash line up with steering bushing. Install two (2) sheet metal screws and tighten securely.
- Position steering boot over steering shaft.
- Align tabs of steering boot over slots and hole in dash and push down to secure.
- Slide steering wheel adapter onto upper steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto adapter.
- Assemble large flat washer and 3/8-24 hex locknut and tighten securely.
- · Snap insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

IMPORTANT: CHECK FOR AND REMOVE ANY STAPLES IN SKID THAT MAY PUNCTURE TIRES WHERE UNIT IS TO ROLL OFF SKID.

(See Fig. 8)

- Raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in "NEUTRAL" position.
- Roll unit backwards off skid.
- Remove banding holding discharge guard up against tractor.

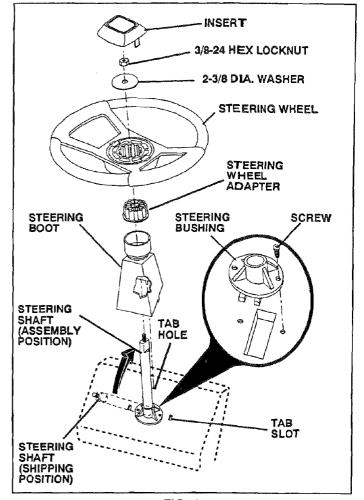


FIG. 1

HOW TO SET UP YOUR TRACTOR PREPARE BATTERY (See Fig. 2)

CAUTION: Wear eye and face shield.

Wash hands or clothing immediately if accidentally in contact with battery acid.



Do not smoke. Fumes from charged battery acid are explosive.

Read the instructions included with the battery vent caps. Always wear gloves, clothing and goggles to protect your hands, skin and eyes.

Your unit has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend its life.

- See instructions packed with vent caps in parts bag.
- Fill battery with acid. Fill each cell until it reaches the bottom of the vent wells. Do not overfill.
- Allow battery to stand and settle for at least thirty minutes. After standing, check the level of acid. If below the vent wells, add more acid until the correct level is reached.

While battery is standing (after adding acid) and later, while battery is being charged, continue with assembly of unit.

IMPORTANT: TO MAXIMIZE THE LIFE OF YOUR BATTERY, IT IS NECESSARY THAT THE BATTERY BE CHARGED BEFORE USE. FAILURE TO CHARGE BATTERY CAN RESULT IN A SHORTENED BATTERY LIFE.

- Charge battery at a rate of 6 amperes for 1 hour. Use a 12 volt battery charger. Observe all safety precautions required for battery charging.
- Check the acid level after the battery is charged. If the acid has fallen below the correct level, add distilled or iron free water.
- Install the vent caps to cover the vent wells. Wash the top of the battery with water to remove any acid, then wipe dry.
- Check battery case for leakage to make sure that no damage has occurred in handling.
- Dispose of excess battery acid. Neutralize acid for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.
- Follow instructions on how to install battery.

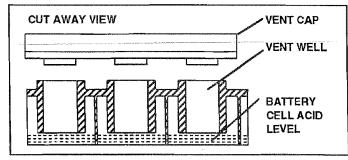


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment bolt.

- Remove cardboard packing on seat pan.
- Place seat on pan and assemble shoulder bolt.
- Assemble adjustment bolt, lock washer and flat washer loosely. Do not tighten.
- Tighten shoulder bolt securely.
- Lower seat into operating position and sit on seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down (See Fig. 8).
- Get off seat without moving its adjusted position.
- Raise seat and tighten adjustment bolt securely.

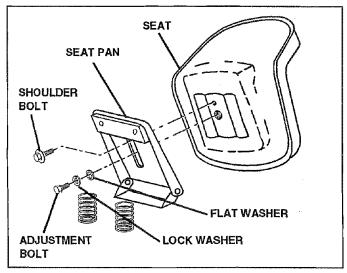


FIG. 3

CHECK TIRE PRESSURE

The tires on your unit were overinflated at the factory for shipping purposes. Correct tire pressure is important for best cutting performance.

 Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" on page 3 of this manual.

CHECK DECK LEVELNESS

For best cutting results, mower housing should be properly leveled. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.

CHECK FOR PROPER POSITION OF ALL BELTS

See the figures that are shown for replacing motion and mower blade drive belts in the Service and Adjustments section of this manual. Verify that the belts are routed correctly.

CHECK BRAKE SYSTEM

After you learn how to operate your tractor, check to see that the brake is properly adjusted. See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual.

INSTALL BATTERY (See Figs. 4 & 5)



CAUTION: Do not short battery terminals. Before installing battery, remove metal bracelets, wristwatch bands, rings, etc.

Positive terminal must be connected first to prevent sparking from accidental grounding.

- Lift seat to raised position.
- Open battery box door.
- Lower battery into battery box with battery terminals toward front of unit.
- · Be sure battery drain tube is attached to battery box.
- First connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Close battery box door.

Open battery box door for:

- Inspection for secure connections (to tighten hardware).
- · Inspection for corrosion.
- · Testing battery.
- · Jumping (if required).
- · Periodic charging .

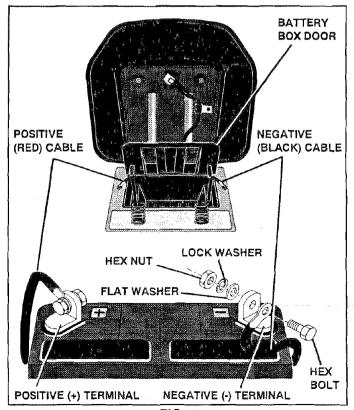


FIG. 4

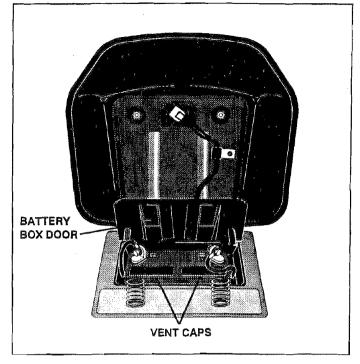


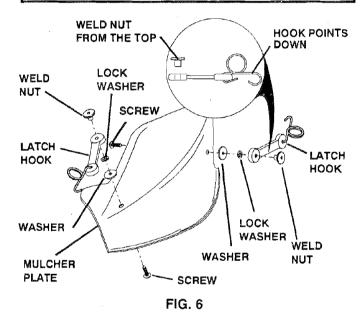
FIG. 5

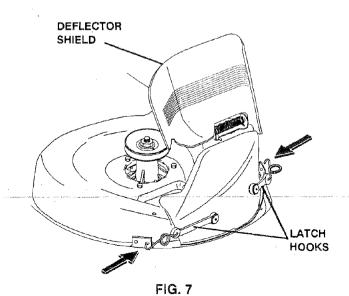
INSTALL MULCHER PLATE (See Figs. 6 & 7)

- Install two latch hooks, to mulcher plate using screw, washer, lock washer, and weld nut as shown.
 NOTE: Pre-assemble weld nut to latch hook by inserting weld nut from the top with hook pointing down.
- Tighten hardware securely.
- · Raise and hold deflector shield in upright position.
- Place front of mulcher plate over front of mower deck opening and slide into place, as shown.
- · Hook front latch into hole on front of mower deck.
- Hook rear latch into hole on back of mower deck.



CAUTION: Do not remove discharge guard from mower. Raise and hold guard when attaching mulcher plate and allow it to rest on plate while in operation.





TO CONVERT TO BAGGING OR DISCHARGING

Simply remove mulcher plate and store in a safe place. Your mower is now ready for discharging or installation of optional grass catcher accessory.

✓ CHECKLIST

BEFORE YOU OPERATE AND ENJOY YOUR NEW TRACTOR, WEWISH TO ASSURE THAT YOU RECEIVE THE BEST PERFORMANCE AND SATISFACTION FROM THIS QUALITY PRODUCT.

PLEASE REVIEW THE FOLLOWING CHECKLIST:

- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were overinflated at the factory).
- ✓ Be sure mower deck is properly leveled side-to-side/ front-to-rear for best cutting results. (Tires must be properly inflated for leveling).
- ✓ Check mower and drive belts. Be sure they are routed properly around pulleys and inside all belt keepers.
- Check wiring. See that all connections are still secure and wires are properly clamped.

WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:

- Engine oil is at proper level.
- Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- ✓ Become familiar with all controls their location and function. Operate them before you start the engine.
- Be sure brake system is in safe operating condition.

KNOW YOUR TRACTOR

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR TRACTOR

Compare the illustrations with your tractor to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.

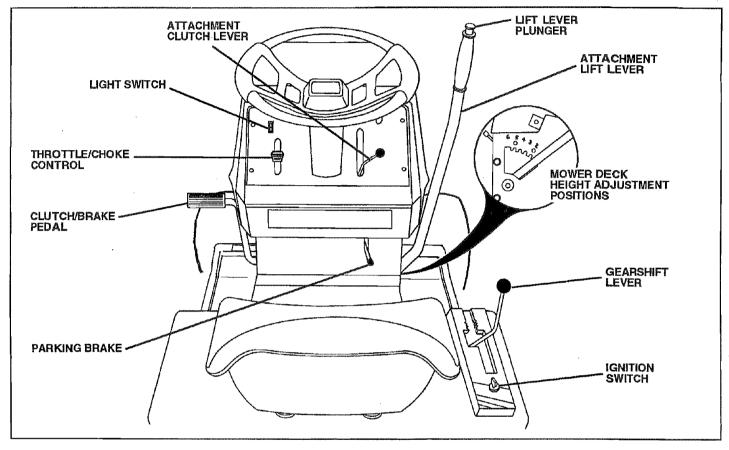


FIG. 8

Sears tractors conform to the safety standards of the American National Standards Institute.

ATTACHMENT CLUTCH LEVER: Used to engage the mower blades, or other attachments mounted to your tractor.

LIGHT SWITCH: Turns the headlights on and off.

THROTTLE/CHOKE CONTROL: Used for starting and controlling engine speed.

CLUTCH/BRAKE PEDAL: Used for declutching and braking the tractor and starting the engine.

PARKING BRAKE: Locks clutch/brake pedal into the brake position.

GEARSHIFT LEVER: Selects the speed and direction of tractor.

ATTACHMENT LIFT LEVER: Used to raise, lower, and adjust the mower deck or other attachments mounted to your tractor.

LIFT LEVER PLUNGER: Used to release attachment lift lever when changing its position.

IGNITION SWITCH: Used for starting and stopping the engine.



The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend wide vision safety mask for over the spectacles or standard safety glasses, available at Sears Retail or Catalog stores.

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE (See Fig. 9)

- Depress clutch/brake pedal into full "BRAKE" position and hold.
- Place parking brake lever in "ENGAGED" position and release pressure from clutch/brake pedal. Pedal should remain in "BRAKE" position. Make sure parking brake will hold vehicle secure.

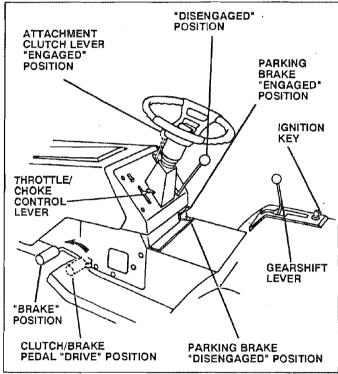


FIG. 9

STOPPING (See Fig. 9)

MOWER BLADES -

Move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- Depress clutch/brake pedal into full "BRAKE" position.
- Move gearshift lever to "NEUTRAL" position.

ENGINE -

Move throttle control to "SLOW" position-

NOTE: Failure to move throttle control to "SLOW" position and allowing engine to idle before stopping may cause engine to "backfire".

- Turn ignition key to "OFF" position and remove key. Always remove key when leaving vehicle to prevent unauthorized use.
- Never use choke to stop engine.

NOTE: Under certain conditions when unit is standing idle with the engine running, hot engine exhaust gases may cause "browning" of grass. To eliminate this possibility, always stop engine when stopping unit on grass areas.



CAUTION: Always stop unit completely, as described above, before leaving the operator's position; to empty grass catcher, etc.

TO USE THROTTLE CONTROL (See Fig. 9)

Always operate engine at full throttle.

- Operating engine at less than full throttle reduces the battery charging rate.
- Full throttle offers the best bagging and mower performance.

TO MOVE FORWARD AND BACKWARD (See Fig. 9)

The direction and speed of movement is controlled by the gearshift lever.

- Start tractor with clutch/brake pedal depressed and gearshift lever in "NEUTRAL" position.
- Move gearshift lever to desired position.
- Slowly release clutch/brake pedal to start movement.

IMPORTANT: BRING TRACTOR TO A COMPLETE STOP BEFORE SHIFTING OR CHANGING GEARS. FAILURE TO DO SO WILL SHORTEN THE USEFUL LIFE OF YOUR TRANSAXLE.

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 8)

The position of the attachment lift lever determines the cutting height.

- Grasp lift lever.
- Press plunger with thumb and move lever to desired position.

The cutting height range is approximately 1-1/2 to 4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

- The average lawn should be cut approximately 2-1/2-inches during the cool season and over 3 inches during hot months. For healthier and better looking lawns, mow often and after moderate growth.
- For best cutting performance, grass over 6 inches in height should be mowed twice. Make the first cut relatively high; the second to desired height.

TO OPERATE MOWER (See Fig. 10)

Your unit is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut off the engine.

- Select desired height of cut.
- Engage mower by slowly moving attachment clutch lever to "ENGAGED" position.
- TO STOP MOWER Move attachment clutch lever to "DISENGAGED" position.



CAUTION: Do not operate the mower without either the entire grass catcher, on mowers so equipped, mulcher plate, or the discharge guard in place.

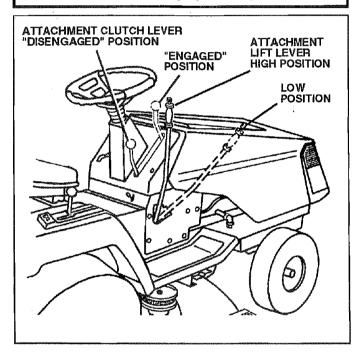


FIG. 10

TO OPERATE ON HILLS



CAUTION: Do not drive up or down hills with slopes greater than 15° and do not drive across any slope.

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move gearshift lever to 1st gear and be sure you have allowed room for tractor to roll slightly as you restart movement.

- To restart movement, slowly release parking brake and clutch/brake pedal.
- · Make all turns slowly.

TO TRANSPORT

- Raise attachment lift control to highest position.
- When pushing or towing your unit, be sure gearshift lever is in "NEUTRAL" position.
- Do not push or tow unit at more than five (5) MPH.

BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL (See Fig. 16)

- The engine in your unit has been shipped, from the factory, already filled with summer weight oil.
- · Check engine oil with unit on level ground.
- Remove oil fill dipstick and wipe clean, replace and screw cap tight, wait for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (see "OIL VISCOSITY CHART" in the Customer Responsibilities section of this manual).
- To change engine oil, see the Customer Responsibilities section in this manual.

ADD GASOLINE

 Fill fuel tank. Use fresh, clean, regular unleaded gasoline. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life).

IMPORTANT: WHEN OPERATING IN TEMPERATURES BELOW 32°F(0°C), USE FRESH, CLEAN WINTER GRADE GASOLINE TO HELP INSURE GOOD COLD WEATHER STARTING.

WARNING: Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.



CAUTION: Fill to bottom of gas tank filler neck. Do not overfill. Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

TO START ENGINE (See Fig. 9)

When starting engine for the first time or if engine has run out of fuel, it will take extra cranking time to move fuel from the tank to the engine.

- Depress the clutch/brake pedal and set the parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control lever to "CHOKE" position for cold engine start. For warm engine start, move throttle control to "FAST" position.
- Turn ignition key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If engine does not start after several attempts, move throttle control to "FAST" position, wait a few minutes and try again.
- When engine starts, move throttle control to desired position.
- Allow engine to warm up for a few minutes before engaging drive or attachment clutch.

NOTE: If at a high altitude (above 3000 feet) or in cold temperatures (below 32° F), the carburetor fuel mixture may need to be adjusted for best engine performance. See "TO ADJUST CARBURETOR" in the Service and Adjustments section of this manual.

MOWING TIPS

- Tire chains cannot be used when the mower hoùsing is attached to unit.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut, Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 11).

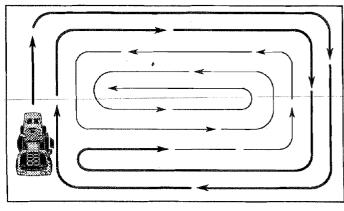


FIG. 11

- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

MULCHING MOWING TIPS

IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH. CLEAN AFTER EACH USE.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.
- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action. The best time to mow your lawn is the early afternoon. At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades (See Fig. 12). For extremely heavy mulching, reduce your width of cut and mow slowly.

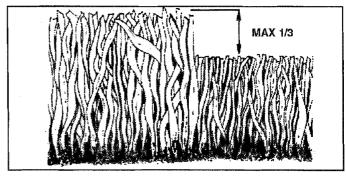


FIG. 12

- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

FII AS	AINTENANCE SCHEDULE LL IN DATES YOU COMPLETE EGULAR SERVICE		JEFORF	EACH!	SE HOURS EVERY &	HOUR	SHOUP	S NOUT	WERY S	S ON EASON EFORE	STOP! SEF	GE IVIC	E DA	TES
	Check Brake Operation	V		Les .										
	Check Tire Pressure	V		V										
	Check for Loose Fasteners	V							1					
R	Sharpen/Replace Mower Blades				1									
Ĉ	Lubrication Chart				W							<u> </u>		
Ť	Check Battery Level/Recharge				V			:						
0	Clean Battery and Terminals				•		<u> </u>			<u> </u>			<u> </u>	
R	Check Transmission Cooling				V									
	Adjust Blade Belt(s) Tension			<u> </u>			1/5							
19#149Waring	Adjust Motion Drive Belt(s) Tension						1/5							
	Check Engine Oil Level			W										
	Change Engine Oil		W		1,2,3				1					
E	Clean Air Filter				1 /2									
N	Clean Air Screen	ľ			1 /2									
G	Inspect Muffler/Spark Arrester													
ı	Replace Oil Filter (If equipped)						1,2							
NE	Clean Engine Cooling Fins						1 /2							
	Replace Spark Plug						W							
	Replace Air Filter Paper Cartridge						L 2							
	Replace Fuel Filter							W						

- 1 Change more often when operating under a heavy load or in high ambient temperatures.
- 2 Service more often when operating in dirty or dusty conditions.

- 3 If equipped with oil filter, change oil every 50 hours.
- 4 Replace blades more often when mowing in sandy soil.
- 5 If equipped with adjustable system.

GENERAL RECOMMENDATIONS

The warranty on this tractor does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain tractor as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your tractor.

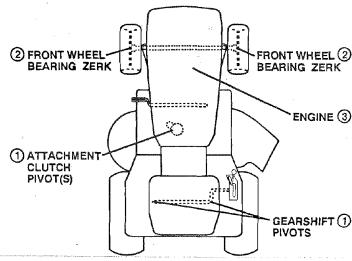
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

Once a year you should replace the spark plug, clean or replace air filter, and check blades and belts for wear. A new spark plug and clean air filter assure proper air-fuel mixture and help your engine run better and last longer.

BEFORE EACH USE

- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check for loose fasteners.

LUBRICATION CHART



- (1) SAE 30 OR 10W30 MOTOR OIL API SG
- (2) GENERAL PURPOSE GREASE
- (3) REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS WHICH HAVE SPECIAL NYLON BEARINGS. VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF-LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POW-15 DERED GRAPHITE TYPE LUBRICANT SPARINGLY.

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

If unit requires more than six (6) feet stopping distance at high speed in highest gear, than brake must be adjusted. (See "TO ADJUST BRAKE" in Service and Adjustments section of this manual).

TIRES

- Maintain proper air pressure in all tires (See "PROD-UCT SPECIFICATIONS" on page 3 of this manual).
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

BLADE CARE

For best results mower blades must be kept sharp. The blades can be sharpened with a file or on a grinding wheel. We suggest they be sharpened or replaced after every 25 hours of mowing. Check blades more often if mowing in sandy conditions.

- Do not attempt to sharpen blades while they are on the mower.
- Replace bent or damaged blades.

BLADE REMOVAL (See Fig. 13)

- Raise mower to highest position to allow access to blades.
- Remove hex bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.
- Reassemble hex bolt, lock washer and flat washer in exact order as shown.
- Tighten bolt securely (30-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

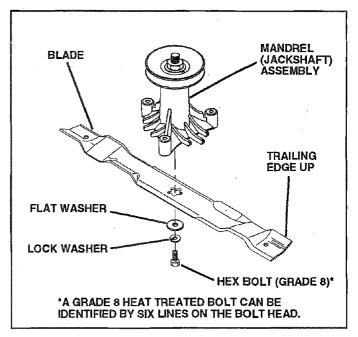


FIG. 13

TO SHARPEN BLADE (See Fig. 14)

Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration and eventual damage to mower and engine.

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer).
- Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground.
 If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

NOTE: Do not use a nail for balancing blade. The lobes of the center hole may appear to be centered, but are not.

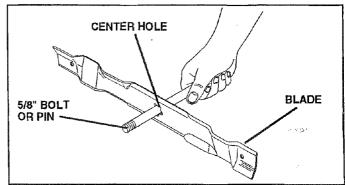


FIG. 14

BATTERY (See Fig. 15)

Your unit has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend it's life.

 Acid solution level in each battery cell should be even with bottoms of vent wells. Add only distilled or iron free water if necessary. Do not overfill.

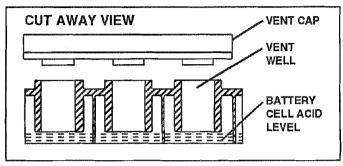


FIG. 15

- Keep battery and terminals clean.
- Keep battery bolts tight.
- Keep vent caps tight and small vent holes in caps open.
- · Recharge at 6 amperes for 1 hour.

TO CLEAN BATTERY AND TERMINALS -

Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- · Remove terminal guard.
- Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor.
- Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get the soda solution into the cells.
- Rinse the battery with plain water and dry.
- Clean terminals and battery cable ends with wire brush until bright.
- Coat terminals with grease or petroleum jelly.
- Reinstall battery (See "INSTALL BATTERY" in the Assembly section of this manual).

V-BELTS

Check V-belts for deterioration and wear after 100 hours and replace if necessary. The belts are not adjustable. Replace belts if they begin to slip from wear.

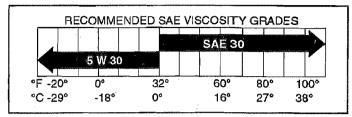
TRANSAXLE COOLING

Keep transaxle free from build-up of dirt and chaff which can restrict cooling.

ENGINE

LUBRICATION

Only use high quality detergent oil rated with API service classification SG. Select the oil's SAE viscosity grade according to your expected operating temperature.



NOTE: Although multi-viscosity oils (5W30, 10W30 etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used above 32°F. Check your engine oil level more frequently to avoid possible engine damage from running low on oil.

Change the oil after the first two hours of operation and every 25 hours thereafter or at least once a year if the tractor is not used for 25 hours in one year.

Check the crankcase oil level before starting the engine and after each eight (8) hours of continuous use. Tighten oil fill cap/dipstick securely each time you check the oil level.

TO CHANGE ENGINE OIL (See Fig. 16)

- Be sure vehicle is on level surface.
- · Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Remove drain plug.
- After oil has drained completely, replace oil drain plug and tighten securely.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see Product Specifications on page 3 of this manual.
- Use gauge on oil fill dipstick for checking level. Be sure dipstick cap is tightened securely for accurate reading. Keep oil at "FULL" line on dipstick.

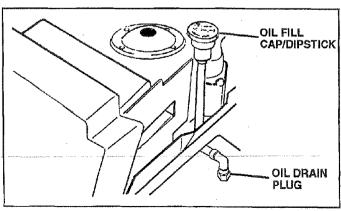


FIG. 16

AIR FILTER FOAM PRE-CLEANER (See Fig. 17)

Your engine will not run properly and may be damaged by using a dirty air filter. Clean the foam pre-cleaner element after every 25 hours of operation, more often if used in very dusty, dirty conditions.

- Remove knob and cover.
- Remove cartridge nut and replace cartridge.
- Reassemble and tighten securely.

NOTE: Do not attempt to clean or oil the paper cartridge. Replace paper cartridge once a year or after every 100 hours of operation, more often if used in very dusty, dirty conditions.

- Wash foam pre-cleaner in liquid detergent and water.
- Wrap foam pre-cleaner in cloth and squeeze dry.
- Lightly coat foam pre-cleaner with clean engine oil. Squeeze in towel to remove excess oil. Do not satu-
- Install foam pre-cleaner over paper cartridge.
- Reassemble cover and secure with knobs.

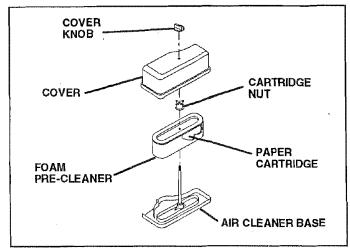


FIG. 17

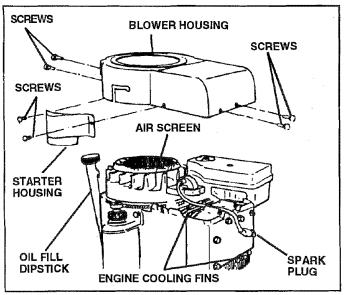
AIR SCREEN (See Fig. 18)

The engine air screen must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and stubborn dried gum fibers.

ENGINE COOLING FINS (See Fig. 18)

Remove any dust, dirt or oil from engine cooling fins to prevent engine damage from overheating.

- Remove oil fill dipstick and cover opening to prevent entry of dirt.
- Remove screws from blower housing and lift housing off engine.
- Remove the screws securing the starter housing and lift housing off engine.
- Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins.
- To reassemble, reverse above procedure.



MUFFLER

FIG. 18

Inspect and replace corroded muffler and spark arrester (if equipped) as it could create a fire hazard and/or damage.

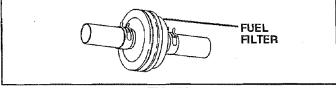
SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of use, whichever comes first. Spark plug type and gap setting is shown in "PROD-UCT SPECIFICATIONS" on page 3 of this manual.

IN-LINE FUEL FILTER (See Fig. 19)

Fuelfilter should be replaced once each season. If fuel filter becomes clogged, obstructing fuel flow to carburetor, replacement is required.

- With engine cool, remove filter and plug fuel line
- Place new fuel filter in position in fuel line.
- Be sure there are no fuel line leaks and clamps are properly positioned.
- Immediately wipe up any spilled gasoline.



CLEANING

FIG. 19

IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILD-UP, GRASS AND TRASH. CLEAN UNDERSIDE OF MOWER HOUSING AFTER EACH USE.

- Clean engine, battery, seat, finish, etc. of all foreign
- Keep finished surfaces and wheels free of all gasoline,
- Protect painted surfaces with automotive type wax.

We do not recommend using a garden hose to clean your unit unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine 18 can result in a shortened engine life.

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:



- Depress clutch/brake pedal fully and set parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Place attachment clutch in "DISENGAGED" position.
- Turn ignition key "OFF" and remove key.
- Make sure the blades and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER (See Fig. 20)

Mower will be easier to remove from the right side of unit.

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Disconnect clutch rod from clutch lever by removing retainer spring.
- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- Disconnect front links from deck by removing retainer springs.
- Raise lift lever to raise suspension arms. Slide mower out from under tractor.

IMPORTANT: IF AN ATTACHMENT OTHER THAN THE MOWER IS TO BE MOUNTED TO THE TRACTOR, BOTH SUSPENSION ARMS MUST BE REMOVED FROM TRACTOR.

TO INSTALL MOWER (See Fig. 20)

- · Raise attachment lift lever to its highest position.
- Slide mower under tractor with discharge guard to right side of tractor.
- Lower lift lever to its lowest position.
- Install mower in reverse order of removal instructions.

NOTE: The mower clutch rod has a trunnion that has been preset, at the factory, for optimum mower performance. DO NOT MOVE THE TRUNNION ON THE CLUTCH ROD. If for any reason the trunnion has been moved on the clutch rod, it must be reset to correct position (parallel with clutch rod) and measure 10-11/32" (Check dimension on edge of flat work surface as shown).

Be sure to tighten trunnion nut securely against trunnion after making any adjustments.

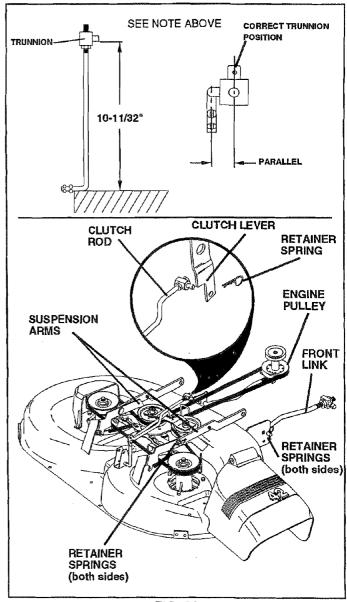


FIG. 20

TO LEVEL MOWER HOUSING

Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" on page 3). If tires are over or under inflated, you will not properly adjust your mower.

You will need two (2) standard 2 x 4 short pieces of wood to make the following adjustment. Similar blocks measuring 1-1/2" thick may also be used.

SIDE-TO-SIDE ADJUSTMENT (See Figs.21 and 22) -

- Raise mower with attachment lift control to allow two (2) 1-1/2" thick blocks to be placed under rear edge of mower directly behind mandrels.
- Lower mower deck to its lowest height of cut position (See "TO ADJUST MOWER CUTTING HEIGHT" in Operation section of this manual).
- On both sides of tractor, loosen, but do not remove, the fasteners securing the adjustable pivot brackets to frame. Both brackets must be loose enough to move freely.
- Pull down firmly on suspension arm to remove any slack in pivot bracket and hold while tightening rear fastener first to secure. Tighten remaining fastener.
- Repeat procedure on other side of tractor.
- Raise mower with attachment lift control and remove blocks from under mower.

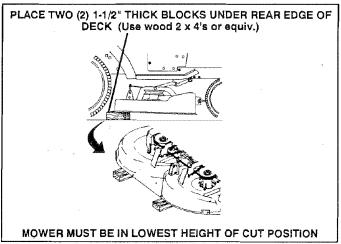
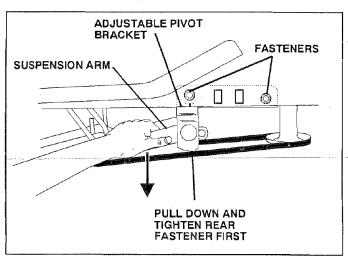


FIG. 21



FRONT-TO-BACK ADJUSTMENT (See Figs. 23 and 24) - IMPORTANT: DECK MUST BE LEVEL SIDE-TO-SIDE. IF THE FOLLOWING FRONT-TO-BACK ADJUSTMENT IS NECESSARY, BE SURE TO ADJUST BOTH FRONT LINKS EQUALLY SO MOWER WILL STAY LEVEL SIDE-TO-SIDE

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/4" to 3/4" lower than the rear when the mower is in its highest position.

Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown.

- Before making any necessary adjustments, check that both front links are equal in length. Both links should be approximately 10-3/8".
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nut "F" against trunnion on both front links.
- · Recheck side-to-side adjustment.

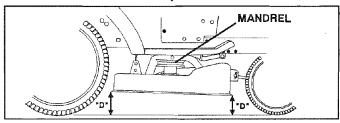


FIG. 23

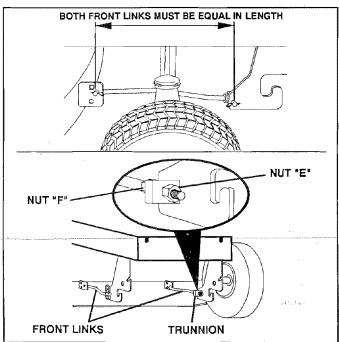


FIG. 22

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 25)

The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake. For assistance, there is a belt installation guide decal on the mower housing.

BELT REMOVAL -

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.

BELT INSTALLATION -

- Install new belt in reverse order of removal.
- Make sure belt is in all pulley grooves and inside all belt guides.

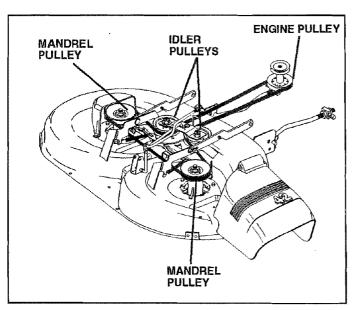


FIG. 25

TO ADJUST BRAKE (See Fig. 26)

Your unit is equipped with an adjustable brake system which is mounted on the right side of the transaxle.

If unit requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted.

- Depress clutch/brake pedal and engage parking brake.
- Measure distance between brake operating arm and nut "A" on brake rod.
- If distance is other than 1-1/2", disengage parking brake, loosen jam nut and turn nut "A" until distance becomes 1-1/2". Retighten jam nut against nut "A".
- Engage parking brake and recheck distance.
- Road test unit for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact your nearest authorized service center.

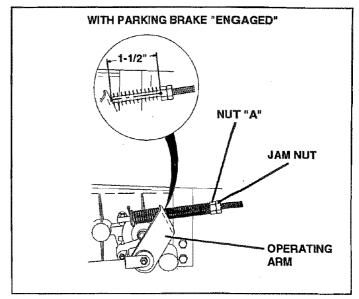


FIG. 26

TO REPLACE MOTION DRIVE BELT (See Fig. 27)

Park the tractor on level area. Engage parking brake. For assistance, there is a belt installation guide decal on bottom side of left footrest.

- Remove mower (See "TO REMOVE MOWER" in this section of this manual).
- Remove belt from stationary idler and clutching idler.
- Remove belt from engine pulley.
- Roll belt over top of transaxle pulley.
- Install new belt by reversing above procedure.

IMPORTANT: REPLACE ONLY WITH BELT LISTED IN THIS MANUAL.

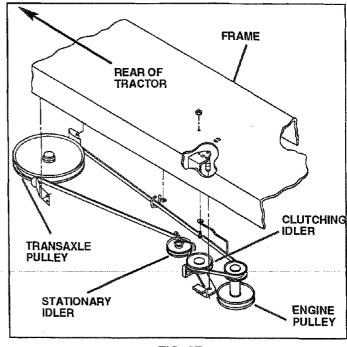


FIG. 27

TO ADJUST STEERING WHEEL ALIGNMENT

If steering wheel crossbars are not horizontal (left to right) when wheels are positioned straight forward, remove steering wheel and reassemble per instructions in the Assembly section of this manual.

FRONT WHEEL TOE-IN/CAMBER

The front wheel toe-in and camber are not adjustable on your tractor. If damage has occurred to affect the front wheel toe-in or camber, contact your nearest authorized service center.

TO REMOVE WHEEL FOR REPAIRS (See Fig. 28)

- Block up axle securely.
- Remove axle cover, retaining ring and washers to allow wheel removal (rear wheel contains a square key - Do not lose).
- Repair tire and reassemble.
- On rear wheels only: align grooves in rear wheel hub and axle. Insert square key.
- Replace washers and snap retaining ring securely in axle groove.
- Replace axle cover.

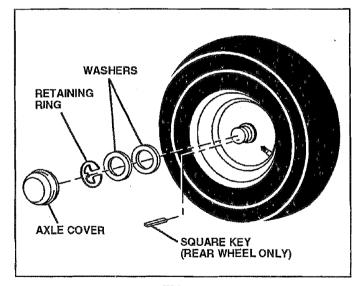


FIG. 28

TO START ENGINE WITH A WEAK BATTERY (See Fig. 29)



CAUTION: Lead-acid batteries generate explosive gases. Keep sparks, flame and smoking materials away from batteries. Always wear eye protection when around batteries.

If your battery is too weak to start the engine, it should be recharged. If "jumper cables" are used for emergency starting, follow this procedure:

IMPORTANT: YOUR UNIT IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis.
- Connect one end of the BLACK cable to the NEGA-TIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable to a good CHASSIS GROUND, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

- BLACK cable first from chassis and fully charged battery.
- RED cable last from both batteries.

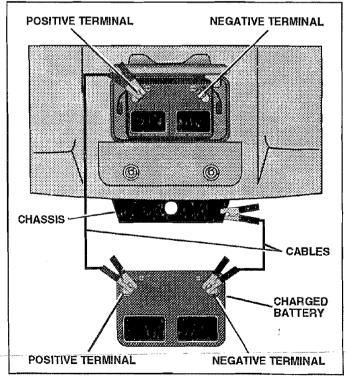


FIG. 29

TO REPLACE FUSE (See Fig. 30)

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located in the engine compartment, directly in front of the dash.

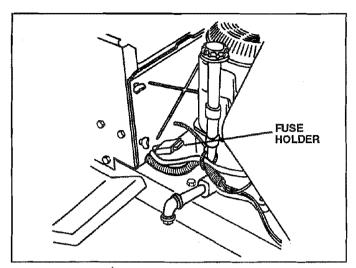


FIG. 30

TO REPLACE HEADLIGHT BULB

- · Raise hood.
- Pull bulb holder out of the hole in the backside of the grill.
- Replace bulb in holder and push bulb holder securely back into the hole in the backside of the grill.
- Close hood.

INTERLOCKS AND RELAYS

Loose or damaged wiring may cause your tractor to run poorly, stop running or prevent it from starting.

 Check wiring. See electrical wiring diagram in Repair Parts section of this manual.

TO REMOVE HOOD AND GRILL (See Fig. 31)



CAUTION: Muffler is hot. Be careful when removing retainer springs from hood pivot brackets.

- Raise hood.
- Unsnap headlight wire connector.
- Remove retainer springs from hood pivot brackets.
- Stand in front of tractor. Grasp hood at sides, tilt forward and lift off of tractor.
- To reinstall, slide hood pivot brackets into slots in frame. Replace retainer springs.
- Reconnect headlight wire connector and close hood.

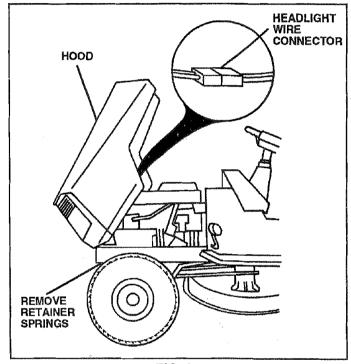


FIG. 31

ENGINE TO ADJUST THROTTLE CONTROL CABLE (See Fig. 32)

The throttle control has been preset at the factory and adjustment should not be necessary. Check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows:

- With engine not running, move throttle control lever from "SLOW" to "CHOKE" position. Slowly move lever from "CHOKE" to "FAST" position.
- Check that holes "A" in governor control lever and hole in governor plate line-up. If holes "A" are not aligned, loosen clamp screw and move throttle cable until holes are aligned. Tighten clamp screw securely.

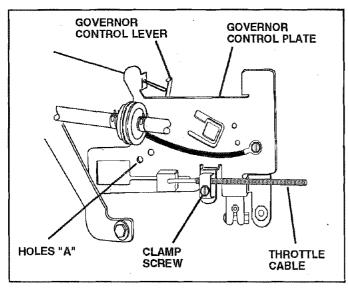


FIG. 32

TO ADJUST CARBURETOR (See Fig. 33)

The carburetor has been preset at the factory and adjustment should not be necessary. However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows:

In general, turning idle mixture valve in (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the idle mixture valve **out** (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture.

IMPORTANT: DAMAGE TO THE NEEDLE VALVE AND THE SEAT IN CARBURETOR MAY RESULT IF SCREW IS TURNED IN TOO TIGHT.

PRELIMINARY SETTING -

- Air cleaner assembly must be assembled to the carburetor when making carburetor adjustments.
- Be sure the throttle control cable is adjusted properly (see above).
- With engine off turn idle mixture valve in (clockwise) closing it finger tight and then turn out (counterclockwise) 1 full turn.

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in "NEUTRAL" position.
- Move throttle control lever to "SLOW" position. With finger, rotate and hold throttle lever against idle speed screw. Turn idle speed screw to attain 1750 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture valve in (clockwise) until engine begins to die and then turn out (counterclockwise) until engine runs rough. Turn valve to a point midway between those two positions. Release throttle lever.

ACCELERATION TEST -

 Move throttle control lever from "SLOW" to "FAST" position. If engine hesitates or dies, turn idle mixture valve out (counterclockwise) 1/8 turn. Repeat test and continue to adjust, if necessary, until engine accelerates smoothly.

High speed stop is factory adjusted. Do not adjust - damage may result.

IMPORTANT: NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

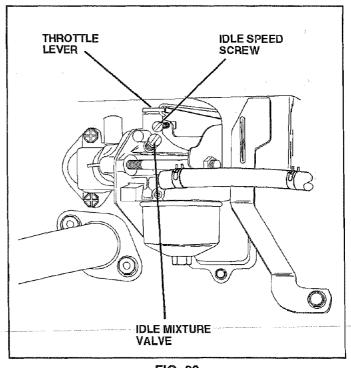


FIG. 33

STORAGE

Immediately prepare your tractor for storage at the end of the season or if the unit will not be used for 30 days or more.



CAUTION: Never store the tractor with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

TRACTOR

Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- Clean entire tractor (See "CLEANING" in the Customer Responsibilities section of this manual).
- Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual).
- Lubricate as shown in the Customer Responsibilities section of this manual.
- Be sure that all nuts, bolts and screws are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- Touch up all rusted or chipped paint surfaces; sand lightly before painting.

BATTERY

- Fully charge the battery for storage.
- After a period of time in storage, battery may require recharging.
- To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMINALS" in the Customer Responsibilities section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- Be sure battery drain tube is securely attached.

ENGINE FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

- Drain the fuel tank.
- Start the engine and let it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

NOTE: Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using fuel stabilizer.

ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Customer Responsibilities section of this manual).

CYLINDERS

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

OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust.
 Rust and/or dirt in your gasoline will cause problems.
- If possible, store your unit indoors and cover it to give protection from dust and dirt.
- Cover your unit with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your unit to rust.

IMPORTANT: NEVER COVER TRACTOR WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM.

TROUBLESHOOTING POINTS

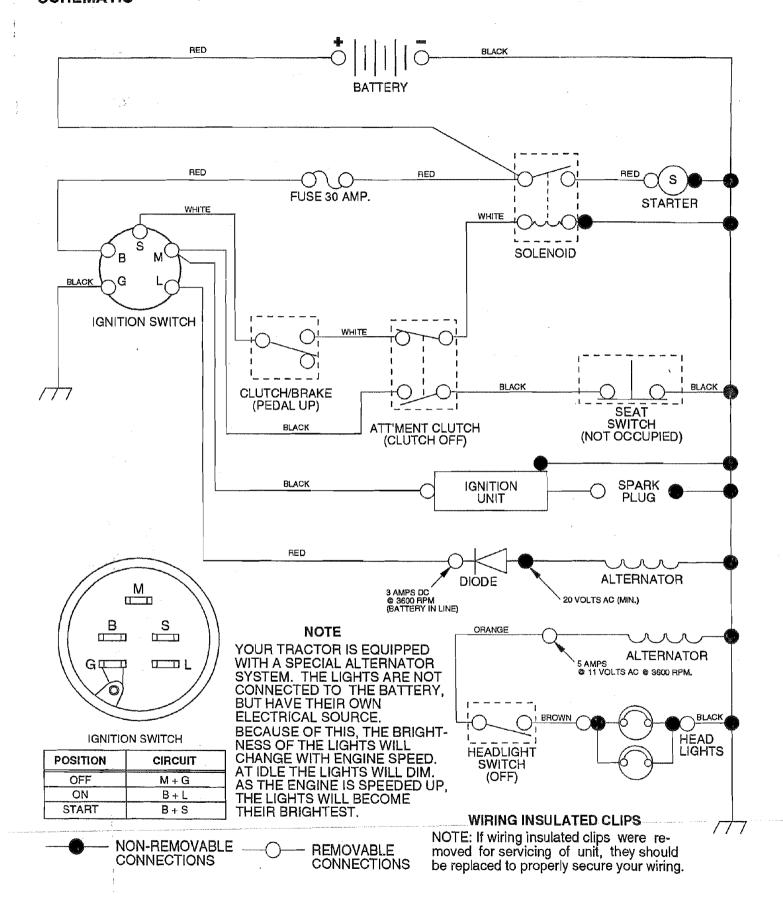
PROBLEM	CAUSE	CORRECTION			
Will not start	 Out of fuel. Engine not "CHOKED" properly. Engine flooded. Bad spark plug. Dirty air filter. Dirty fuel filter. Water in fuel. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Fill fuel tank. See "TO START ENGINE" in Operation section. Wait several minutes before attempting to start. Replace spark plug. Clean/replace air filter. Replace fuel filter. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. Check all wiring. Contact an authorized service facility. Contact an authorized service facility. 			
Hard to start	 Dirty air filter. Bad spark plug. Weak or dead battery. Dirty fuel filter. Stale or dirty fuel. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Clean/replace air filter. Replace spark plug. Recharge or replace battery. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Check all wiring. Contact an authorized service facility. Contact an authorized service facility. 			
Engine will not turn over	 Clutch/brake pedal not depressed. Attachment clutch is engaged. Weak or dead battery. Blown fuse. Corroded battery terminals. Loose or damaged wiring. Faulty ignition switch. Faulty operator presence switch(es). 	 Depress clutch/brake pedal. Disengage attachment clutch. Recharge or replace battery. Replace fuse. Clean battery terminals. Check all wiring. Check/replace ignition switch. Check/replace solenoid or starter. Contact an authorized service facility. 			
Engine clicks but will not start	Weak or dead battery. Corroded battery terminals. Loose or damaged wiring. Faulty solenoid or starter.	 Recharge or replace battery. Clean battery terminals. Check all wiring. Check/replace solenoid or starter. 			
Loss of power	1. Cutting too much grass/too fast. 2. Throttle in "CHOKE" position. 3. Build-up of grass, leaves and trash under mower. 4. Dirty air filter. 5. Low oil level/dirty oil. 6. Faulty spark plug. 7. Dirty fuel filter. 8. Stale or dirty fuel. 9. Water in fuel. 10. Spark plug wire loose. 11. Dirty engine air screen/fins. 12. Dirty/clogged muffler. 13. Loose or damaged wiring. 14. Carburetor out of adjustment. 15. Engine valves out of adjustment.	 Set in "Higher Cut" position/reduce speed. Adjust throttle control: Clean underside of mower housing. Clean/replace air filter. Check oil level/change oil. Clean and regap or change spark plug. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. Connect and tighten spark plug wire. Clean engine air screen/fins. Clean/replace muffler. Check all wiring. Contact an authorized service facility. Contact an authorized service facility. 			
Excessive vibration	1. Worn, bent or loose blade. 2. Bent blade mandrel. 3. Loose/damaged part(s)	Replace blade. Tighten blade bolt. Replace blade mandre. Tighten loose part(s). Replace damaged parts.			

TROUBLESHOOTING POINTS

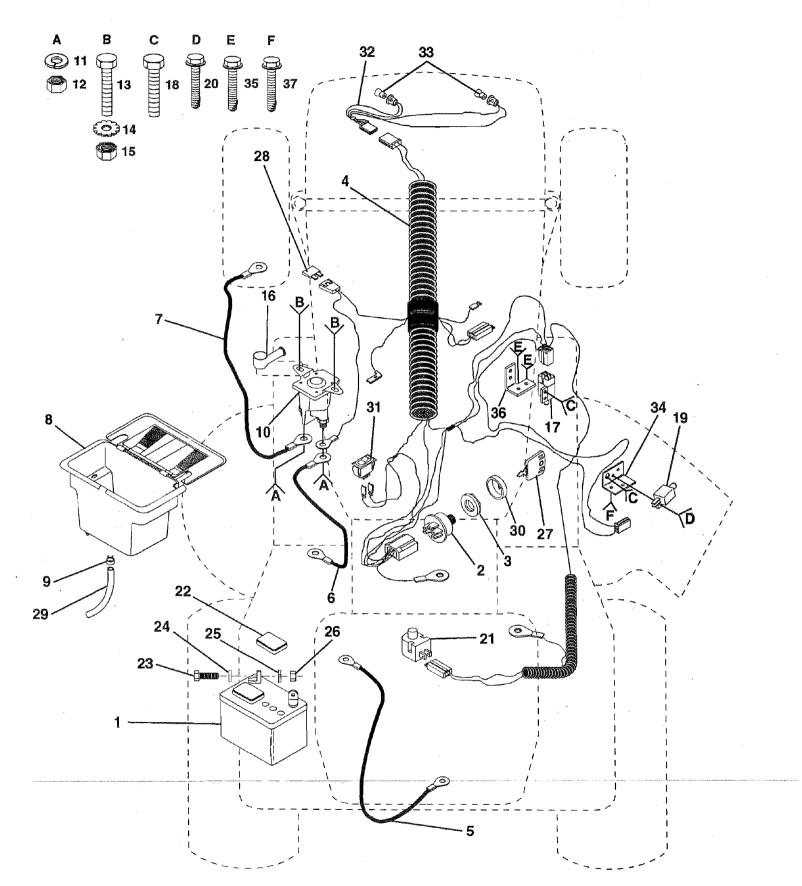
PROBLEM	CAUSE	CORRECTION			
Engine continues to run when operator leaves seat with attachment clutch engaged	Faulty operator-safety presence control system.	Check wiring, switches and connections. If not corrected, contact an authorized service facility.			
Poor cut - uneven	 Wom, bent or loose blade. Mower deck not level. Buildup of grass, leaves, and trash under mower. Bent blade mandrel. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	 Replace blade. Tighten blade bolt. Level mower deck. Clean underside of mower housing. Replace blade mandrel. Clean around mandrels to open vent holes. 			
Mower blades will not rotate	 Obstruction in clutch mechanism. Wom/damaged mower drive belt. Frozen idler pulley. Frozen blade mandrel. 	1. Remove obstruction. 2. Replace mower drive belt. 3. Replace idler pulley. 4. Replace blade mandrel.			
Poor grass discharge	 Engine speed too slow. Travel speed too fast. Wet grass. Mower deck not level. Low/uneven tire air pressure. Worn, bent or loose blade. Buildup of grass, leaves and trash under mower. Mower drive belt worn. Blades improperly installed. Improper blades used. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	 Place throttle control in "FAST" position. Shift to slower speed. Allow grass to dry before mowing. Level mower deck. Check tires for proper air pressure. Replace/sharpen blade. Tighten blade bott. Clean underside of mower housing. Replace mower drive belt. Reinstall blades sharp edge down. Replace with blades listed in this manual. Clean around mandrels to open vent holes. 			
-leadlight(s) not working if so equipped)	 Switch is "OFF". Bulb(s) burned out. Faulty light switch. Loose or damaged wiring. Blown fuse. 	1. Turn switch "ON". 2. Replace bulb(s). 3. Check/replace light switch. 4. Check wiring and connections. 5. Replace fuse.			
Sattery will not charge	 Bad battery cell(s). Poor cable connections. Faulty regulator (if so equipped). Faulty alternator. 	Replace battery. Check/clean all connections. Replace regulator. Replace alternator.			
Engine "backfires" when turning engine "OFF"	Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.	Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.			

SERVICE NOTES

12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 SCHEMATIC



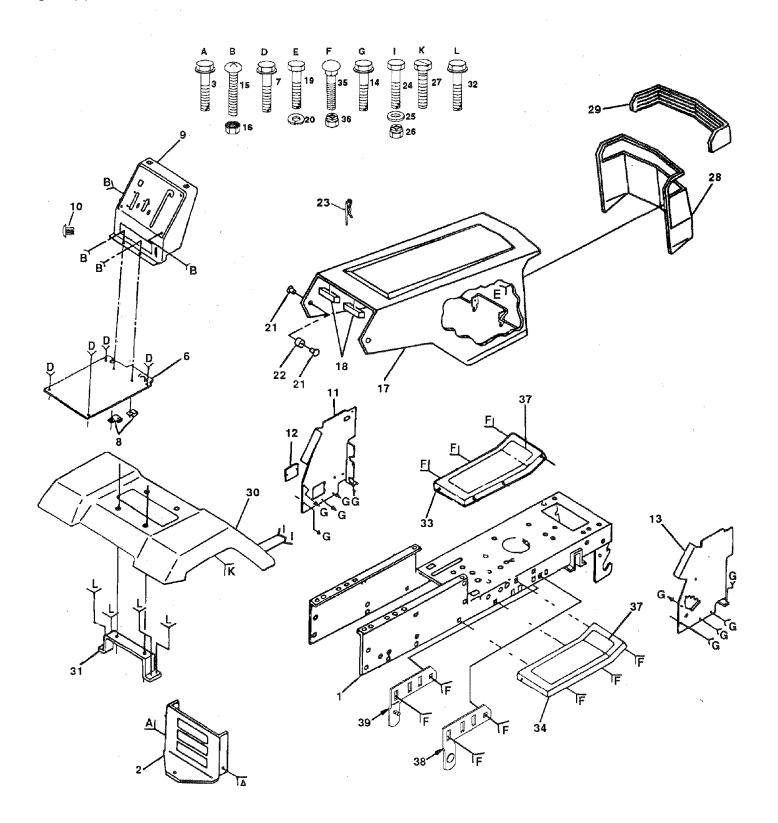
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 ELECTRICAL



12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 ELECTRICAL

		DESCRIPTION			DESCRIPTION
1	121265X	Battery 12 Volt 25 Amp	21	121305X	Switch Plunger Nc Gray
2	STD365402	Starter Swtc	22	121264X	Caps Battery 20/25/30 Amp
3	124211X	Nut Ignition	23	74760412	Bolt Hex Hd 1/4-20unc X 3/4
4	132653		24	STD551025	Washer
	4207J	Cable Ground 6ga 12"black	25	STD551125	Washer
6	132202	Cable Battery 6 Ga 43"red	26	STD541025	Nut
7	4799J	Cable Battery 6ga 11"red	27	109310X	Key Ign Molded Craftsman
	129965	Case Battery Hng Mech W/lid	28	108824X	Fuse 30 Amp Auto Green
9	109596X	Clamp Hose Olive		109238X	Tube Plastic 12"
0	109081X	Solenoid	30	123620X	Cover Sw Key Blk 1 25 Text Slt
1	STD551125	Lockwasher			Switch Light Blk Blk Red
2	73350400	Nut Jam Hex 1/4-20 Unc		127441X	Harness Socket Light
3	74780408	Bolt Fin Hex 1/4-20uncx1/2 Gr5		7662J	Bulb Light #1141
4	STD551225	Washer		108236X	Bracket Switch Clutch
5	STD541425	Nut	35	STD601005	Screw
6	131563	Cover Terminal Red	36	130890	Bracket Switch Interlock
7	109553X	Switch Intlk Clutch Red 4 Term	37	STD601005	Screw
8	STD601005	Screw			
9	104445X	Switch Intlk Clutch Red 2 Term	TOM	E: All compone	ent dimensions given in U.S. inches
0:	STD601005	Screw		1 inch = 25.	
	O 1234567890123456789	2 STD365402 3 124211X 4 132653 5 4207J 6 132202 7 4799J 8 129965 9 109596X 0 109081X 1 STD551125 2 73350400 3 74780408 4 STD551225 5 STD541425 6 131563 7 109553X 8 STD601005 9 104445X	O. NO. DESCRIPTION 1 121265X Battery 12 Volt 25 Amp 2 STD365402 Starter Swtc 3 124211X Nut Ignition 4 132653 Harness Ign B&s Fender HI 5 4207J Cable Ground 6ga 12"black 6 132202 Cable Battery 6 Ga 43"red 7 4799J Cable Battery 6ga 11"red 8 129965 Case Battery Hng Mech W/lid 9 109596X Clamp Hose Olive 0 109081X Solenoid 1 STD551125 Lockwasher 2 73350400 Nut Jam Hex 1/4-20 Unc 3 74780408 Bolt Fin Hex 1/4-20uncx1/2 Gr5 4 STD551225 Washer 5 STD541425 Nut 6 131563 Cover Terminal Red 7 109553X Switch Intlk Clutch Red 4 Term 8 STD601005 Screw 9 104445X Switch Intlk Clutch Red 2 Term	O. NO. DESCRIPTION NO. 1 121265X Battery 12 Volt 25 Amp 21 2 STD365402 Starter Swtc 22 3 124211X Nut Ignition 23 4 132653 Harness Ign B&s Fender HI 24 5 4207J Cable Ground 6ga 12"black 25 6 132202 Cable Battery 6 Ga 43"red 26 7 4799J Cable Battery 6ga 11"red 27 8 129965 Case Battery Hng Mech W/lid 28 9 109596X Clamp Hose Olive 29 0 109081X Solenoid 30 1 STD551125 Lockwasher 31 2 73350400 Nut Jam Hex 1/4-20 Unc 32 3 74780408 Bolt Fin Hex 1/4-20 uncx1/2 Gr5 33 4 STD551225 Washer 34 5 STD541425 Nut 35 6 131563 Cover Terminal Red 36 7 109553X Switch Intlk Clutch Red 4 Term 37 8 STD601005 Screw 9 104445X Switch Intlk Clutch Red 2 Term NOT	O. NO. DESCRIPTION NO. NO. 1 121265X Battery 12 Volt 25 Amp 21 121305X 2 STD365402 Starter Swtc 22 121264X 3 124211X Nut Ignition 23 74760412 4 132653 Harness Ign B&s Fender HI 24 STD551025 5 4207J Cable Ground 6ga 12"black 25 STD551125 6 132202 Cable Battery 6 Ga 43"red 26 STD541025 7 4799J Cable Battery 6ga 11"red 27 109310X 8 129965 Case Battery Hng Mech W/lid 28 108824X 9 109596X Clamp Hose Olive 29 109238X 0 109081X Solenoid 30 123620X 1 STD551125 Lockwasher 31 110712X 2 73350400 Nut Jam Hex 1/4-20 Unc 32 127441X 3 74780408 Bolt Fin Hex 1/4-20 uncx1/2 Gr5 33 7662J 4 STD551225 Washer 34 108236X 5 STD541425 Nut 35 STD601005 6 131563 Cover Terminal Red 36 130890 7 10953X Switch Intik Clutch Red 4 Term 37 STD601005 8 STD601005 Screw 9 104445X Switch Intlk Clutch Red 2 Term

12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 CHASSIS AND ENCLOSURES

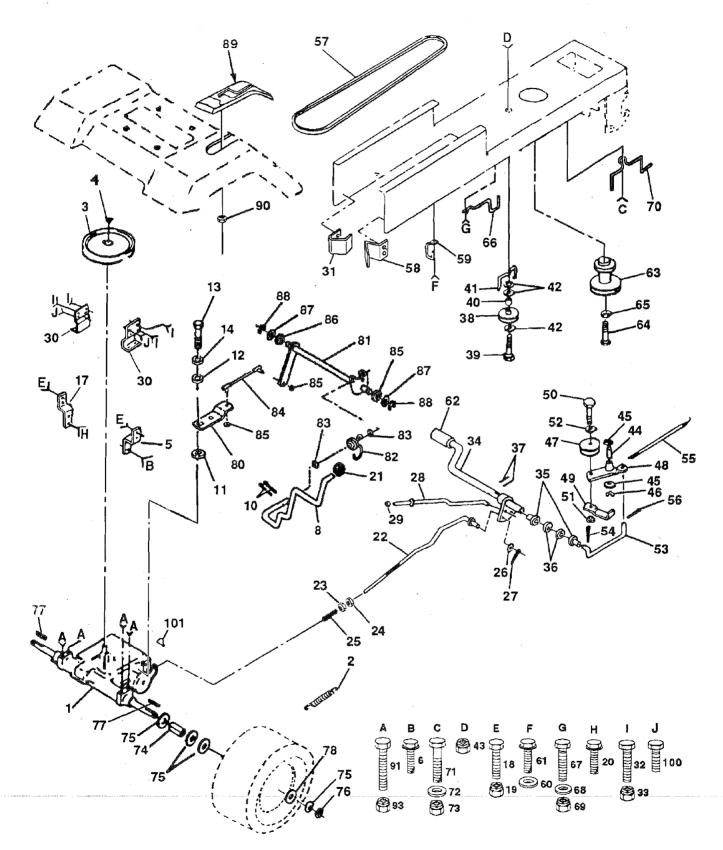


12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	135034 130805	Chassis Weldment Drawbar 11 Ga 46 5"wheel Base	22 23	124479X 4921H	Washer Nylon Blk 28x 75x 19 Retainer Spring
3	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt	23 24	STD523707	Bolt
6	126595X010	Saddle Silkscreened	25	19131312	Washer 13/32 X 13/16 X 12 Ga
7	17490608	Screw Thdrol 3/8-16x1/2 Ty-tt	26	STD541437	Nut
8	126471X	Clip Insulated 406 Mtg Hole	27	17490608	Screw Thdrol 3/8-16x1/2 Ty-tt
9	126604X010		28	126741X	Grille Black
10	5479J	Plug Button Blk 359 Dia	29	124029X	Lens Headlight Bar Clear
11	135464	Panel Pnt Dash Lh	30	126599X459	Fender Pnt
12	121794X	Cover Access Black Square	31	109873X	Bracket Pnt Fender
13	124031X012	Panel Sikscr Dash Rh Weldment	32	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
14	17490608	Screw Thdrol 3/8-16x1/2 Ty-tt	33	105465X459	Footrest Pnt Lh
15	74180512	Screw Mach Trhd 5/16-18uncx3/4	34	105464X459	Footrest Pnt Rh (dover Gray)
16	STD541431	Nut	35	STD533707	Bolt
17	131445X459	Hood Asm Pnt Weld Dover Slpe	36	STD541437	Nut
18	126938X	Bumper Hood	37	105466X	Pad Footrest Rbr Sq Craftsman
19	STD512505	Screw	38	134775	Bracket, Assembly, Pivot R.H.
20	STD551125	Washer	39	134774	Bracket, Assembly, Pivot L.H.
21	122933X	Rivet Ratchet Nylon	NAT	T. Allasan	ant dimansions divon in LLS inches

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 DRIVE

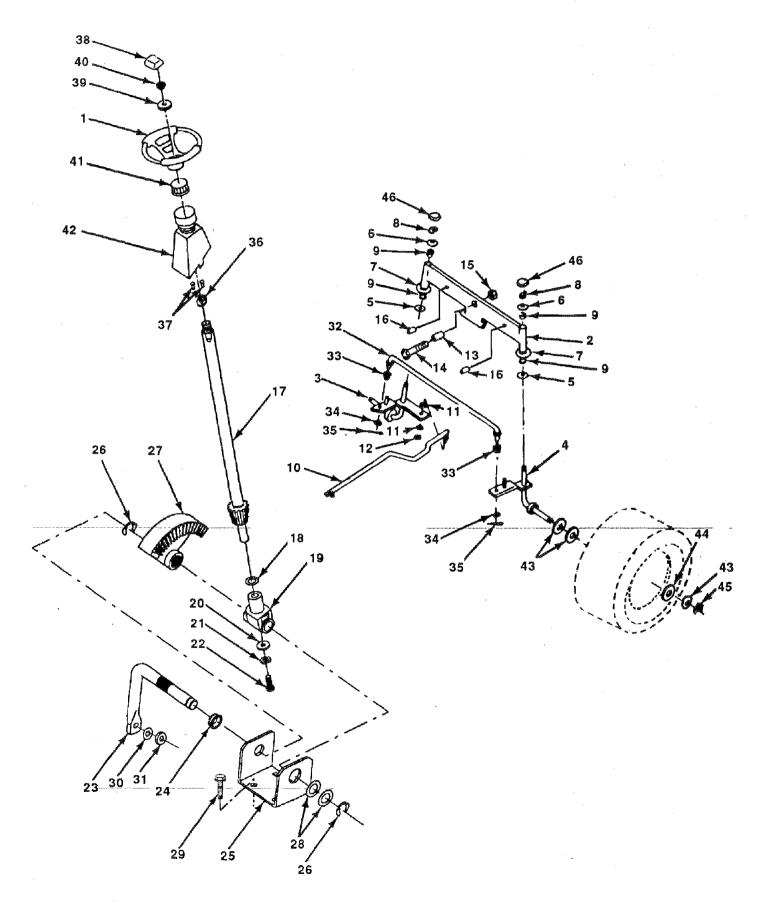


12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581

DRIVE

	PART	DESCRIPTION		PART NO.	DESCRIPTION
1	120898X	Transaxle 6 sp. Dana 4360-7	50	STD523715	Bolt
2	110422X	Spring Extension Brake	51		Nut
3	123666X	Pulley Transaxle 18"tires		STD551037	Washer
4	12000028	Ring Retainer # 5100-62	53	105710X	Link Clutch 7 66
5	121520X				Pin'
6	17490512	Screw Thdrol 5/16-18 X 3/4 Tvt	55	105709X	Spring Return Clutch 6 75
8	127270	Lever Shift Wold Pnt	56	STD561210	Pin
10	76020416	Strap Torque Rh Pnt Blk Screw Thdrol 5/16-18 X 3/4 Tyt Lever Shift Weld Pnt Pin Cotter	57	130801	V-beit Ground Drive 95 25
11	105701X	Washer Shift Plate		127274X	Keeper Belt Rh Lt Pnt/zinc 16g
12	19151216	Washer 15/32 x 3/4 x 16 Ga.		104777X	Retainer Belt Chassis Lh Zinc
13	71040412	Bolt Fin Hex 1/4-28unfx3/4 Gr8	60	19131312	Washer 13/32 X 13/16 X 12 Ga
14	STD551125	Washer	61	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
17	121250X	Strap Pnt Torque Lh		8883R	Cover Pedal Blk Round
18	STD523707	Bolt	63	134825	Pulley Engine
19	STD541437	Nut		71170764	Bolt Fin Hex 7/16-20 x 4 Gr.5
	17490512	Screw Thdrol 3/8-16x3/4 Ty-tt		STD551143	Washer
21	106933X	Knob Rd 1/2-13 Plstc Thds Blk		129921	Keeper Belt Engine Lh Lt
	130804	Rod, Brake	67		Bolt
23	STD541437	Locknut		19131312	Washer 13/32 X 13/16 X 12 Ga
24	STD541237	Nut		STD541437	Nut
25	106888X			134683	Guide Belt Dr Mower Rh
26	STD551037	Spring Rod Brake 2 00 Zinc Washer Pin Rod Brake Parking Lt Cap Parking Brake Red Bracket Mtg Transaxle Keeper Belt Lh Lt 14 Ga	71	STD523710	Bolt
27	STD561210	Pin	72	19132012	Washer 13/32 X 1-1/4 X 12 Ga
28	128904	Rod Brake Parking Lt	73	STD541437	Nut
29	124236X	Cap Parking Brake Red	74	109502X	Spacer Split 80 X 94
	130807	Bracket Mtg Transaxle	75	121749X	Washer 25/32 X 1 1/4 X 16 Ga
31	127275X	Keeper Belt Lh Lt 14 Ga	76	STD581075	E Ring
32	STD523107	Bolt	77	123583X	Key Square 2 0 X 1845/1865
33	STD541431	Nut	78	121748X	Washer 25/32 X 1 5/8 X 16ga
34	122424X	Shaft Asm Pedal Foot 1 930	80	131488	Arm, Shift
	120183X	Bearing Nylon Blk 629 ld	81	136932	Shaft Asm., Cross Stretch
36	STD551062	Washer	82		Spring Torsion
37	STD571810	Roll Pin	83	19171216	Washer 17/32 x 3/4 x 16 Ga.
	123674X	Pulley Idler Flat	84	132182	Rod Tie Shft. Adj. Ball
39	STD523727	Bolt ·		73530400	Nut, Nylock
40	4470J	Spacer Split 395 X 59 Bzp		71208	Bushing Pivot
41	109070X	Keeper Belt Retainer	87		Washer
42	19131312	Washer 13/32 X 13/16 X 12 Ga		12000008	Ring, E
43	STD541437	Nut	89		Console Shift 6sp W/ign Lt
44	105706X	Bearing, Nylon		124346X	Nut Self-thd Wsh-hd 1/4 Zinc
	110812X	Washer Hardened	91	STD523707	Bolt
46	12000039	Ring Klip #t5304-50	100	17490612	Screw Thdro! 3/8 - 16 x 3/4
47	127783	Pulley Idler V Groove Plastic			
48	123789X	Bellcrank Asm	TOM		ent dimensions given in U.S. inches
49	123205X	Retainer Belt Style Spring		1 inch = 25	.4 mm

12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 STEERING ASSEMBLY

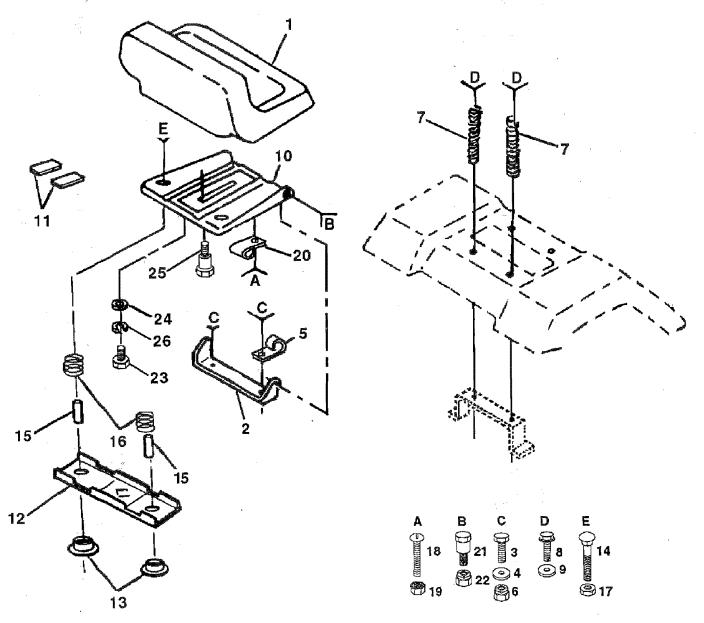


12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 STEERING ASSEMBLY

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	133741	Wheel Steering	24 25	109816X 124036X	Nyliner Snap In Bracket Steering
2	131450 135227	Axle Asm Front Spindle Asm Lh	26	12000029	Ring Klip #t5304-75
4	135228	Spindle Asm Rh Bearing Race Thrust Harden	27	124034X	Gear Sector
5	6266H		28	6266H	Bearing Race Thrust Harden
6	121748X	Washer 25/32 X 1 5/8 X 16ga	29	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt Lockwasher
7	19272016	Washer 27/32 X 1 1/4 X 16 Ga	30	STD551137	
8	12000029	Ring Klip #t5304-75	31	73610600	Nut Fin Hex 3/8-24 Unf
	3366R	Bearing Col Strg Blk	32	130465	Rod Tie Wire Form 19 75 Mech
10	130468 STD551137	Link Drag Sol Ball Jt 20 064	33 34	120754X 19131416	Bushing Rod Tie Blk Lt Washer 13/32 X 7/8 X 16ga
11	73610600	Lockwasher	35	STD561210	Pin
12		Nut Fin Hex 3/8-24 Unf	36	132196	Bushing Strg 5/8 ld Dash
13 14	110438X 74011056	Spacer Bearing Axle Front Bolt Hex 5/8-11 Unc X 3-1/2	37	STD611005	Screw
15	73601000	Nut Hex Jam Lk W/wh 5/8-11 Unc	38	133742	Insert Cap Strg Wh Au Gen Blk
16	132624	Pin Axle 5/8 X 1 55/1 54 Lg	39	19133808	Washer 13/32 X 2-3/8 X 8 Ga
17	132614	Shaft Asm Strg 5/8 X 15 19 Lt	40	STD541537	Gripco Nut
18	57079	Washer Thrust 515x 750x 033	41	104820X	Adaptor Wheel Strg 640/635id
19	124035X	Support Shaft	42	124417X	Boot Shaft Steering
20	126684X	Washer Shim 1/4 X 5/8 X 062	43	121749X	Washer 25/32 X 1 1/4 X 16 Ga
21	STD551125	Washer	44 45	121748X 12000029	Washer 25/32 X 1 5/8 X 16ga Ring Klip #t5304-75
22 23	71070410 127501	Screw Hex Socket 1/4-20 X 5/8 Shaft Asm Pittman	46	121232X	Cap Spindle Fr Top Blk

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

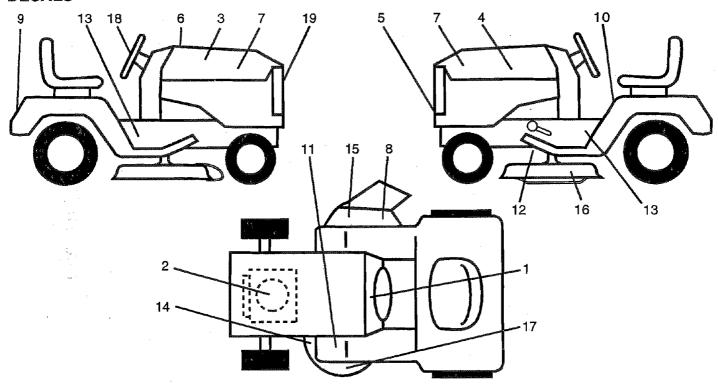
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 SEAT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION	KEY No.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11 2 13 14	127438X 126656X STD523707 19131210 2751R STD541437 124181X 17490616 19131614 131451 121251X 121246X 121248X 72050411	Seat V-450 Blk/red Craftsman Bracket Pnt Pivot Seat (blk) Bolt Washer 13/32 X 3/4 X 10 Ga Clip Line Fuel 13/32 Mtg Hole Nut Spring Seat Cprsn 2 250 Blk Zi Screw Thdrol 3/8-16 X 1 Ty-tt Washer 13/32 X 1 X 14 Ga Pan Pnt Seat (blk) Strip Foam Gray Or Black Bracket Pnt Mounting Switch Bushing Snap Blk Nyl 50 ld Bolt Rdhd Sht Nk 1/4-20x1-3/8	15 16 17 18 19 20 21 22 23 24 25 26 NOT	134300 121250X 123976X STD511005 73951000 4171R 105529X STD541431 74780814 19171912 127018X STD551150 E: All compone 1 inch = 25.	Spacer Split 28 X 88 Zinc Spring Cprsn 1 27 Blk Pnt Nut Lock 1/4 Lge Flg Gr 5 Zinc Screw Nut Keps #10-32 Unf Clip Insulated 11/32 Mtg Hole Bolt Shoulder 5/16-18 Unc Blkz Nut Bolt Fin Hex 1/2-13 X 7/8 Gr 5 Washer 17/32 X 1-3/16 X 12 Ga Bolt Shoulder 5/16-18 X 62 Lockwasher ent dimensions given in U.S. inches 4 mm

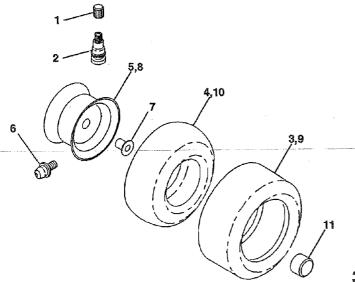
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581

DECALS



NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1 2 3 4 5 6 7 8 9 10 11	108456X 127908 128381 128382 132674 133644 136332 133178 128314 133796 4900J	Decal Instruction Operat Eng Decal Eng 12 5hp Ic Gold Craft Decal Hood Rh Craftsman Lt4000 Decal Hood Lh Craftsman Lt4000 Decal Grille Lt4000 Craft Usa Decal Maint Cust Sears Domesti Decal Panel Side I/c Gold Wht Decal Mower 3 In One Conv Decal Fender Craftsman White Decal Caution English Decal Clutch/brake English	12 13 14 15 16 17 18 19	109199X 131473 130981 121343X 3713J 133179 132268 131265 135828 E: All components inch = 25.	Decal V-belt Dr Sch Tractor E Decal Chassis 6sp 42" Decal V-belt Schematic 42"eng Decal Danger English Decal Rota Blades English Decal Mower Qc System Decal Insr Wh Strg Crafts Usa Decal, Lightbox Grill Manual Owners ent dimensions given in U.S. inches 4 mm

WHEELS & TIRES

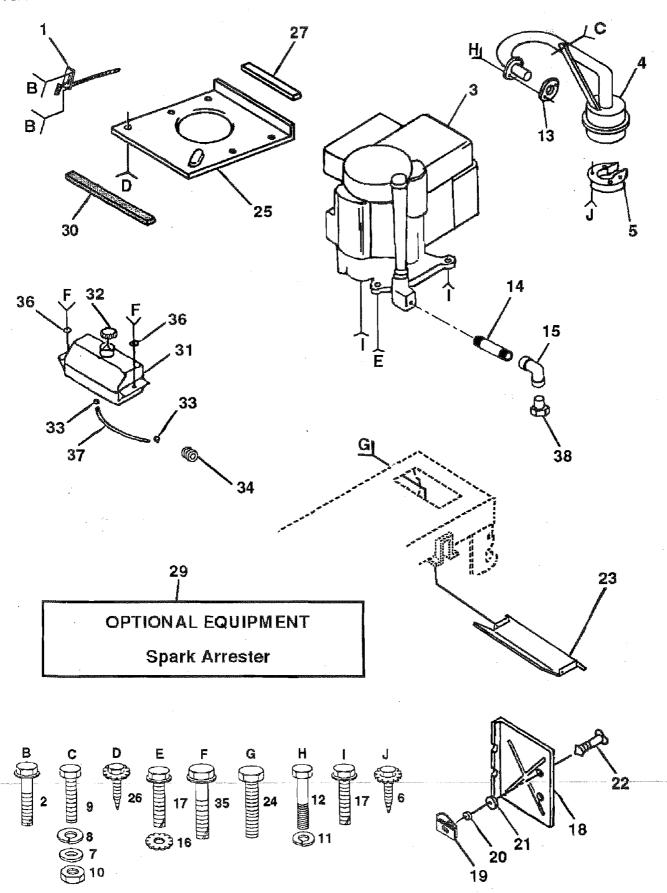


	PART NO.	DESCRIPTION
1	59192	Cap Valve Tire
2	65139	Stem Valve
	106222X	Tire F Ts 15 X 6 0 - 6 Service
4	59904	Tube Front (Service Item Only)
5	106732X311	Rim Asm 6"front White Service
6	278H	Fitting Grease (Front Wheel Only)
7	9040H	Bearing Flange (Front Wheel Only)
8	106108X311	Rim Asm 8"rear White Service
9	106268X	Tire R Ts 18x9 5-8 C Service
10	7152J	Tube Rear (Service Item Only)
	104757X	Cap Axle Blk 1 50 X 1 00

NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

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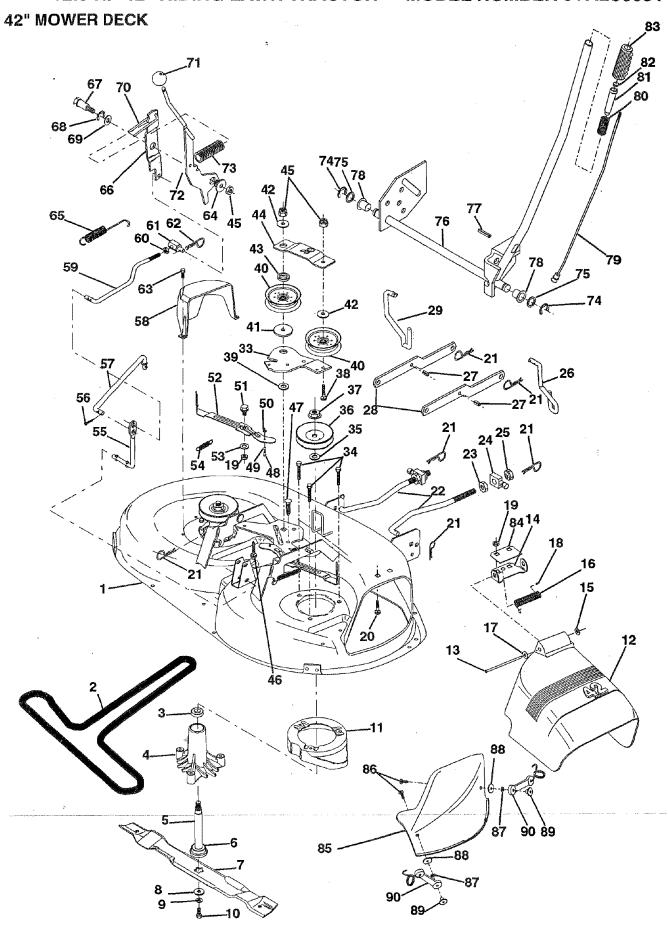
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 ENGINE



12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 ENGINE

KEY NO.	PART NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 1 5 6 7 8 9 0 1 1 2 3 4 1 5 6 1 7 8 9 0 1 1 2 0	132759 17720410 131953 125610X 101326L 17030808 STD551025 STD551125 STD522510 STD541031 STD551131 71070510 125593X 13280324 13200300 STD551237 17490620 105736X 105839X 105838X	Control Throt Rh Blk Pdl 15 10 Screw Hex Thd Cut 1/4-20x5/8 T Engine B&s 12 5 lcq Dual 1 Vt Muffler Exhaust B&s Lt Dom Deflector Muffler # 222573 Screw Spiderloc Hexhd#8x1/2 Ab Washer Washer Bolt Nut Lockwasher Screw Hexhd Cap 5/16-18x5/8 Gasket 1 313 ld Tin Plated Nipple Pipe 3/8 Npt X 3" Elbow Std 90 Degree 3/8-18 Npt Washer Screw Thdrol 3/8-16x1-1/4 Tytt Shield Pnt Heat Receptacle 1/4 Turn Dacrotized Retainer 1/4 Turn 365odx 222id	21 STD551025 22 123650X 23 128953X 24 STD601005 25 124027X 26 17030808 27 105037X 29 121851X 30 127057X 31 109202X 32 123549X 33 123487X 34 124028X 35 17490412 36 19091416 37 101335K 38 NOTE: All comport inch = 28	Washer Stud 1/4 Turn (replaces 105751 Shield Pnt Heat Browning Grass Screw Shield Pnt Heat Hood Lt Screw Spiderloc Hexhd#8x1/2 Ab Strip Foam 18" Arrestor Spark Pinch Weld Hood Black 2 00 Tank Fuel 1 25 Fr Cap Asm Fuel W/sym Vented Clamp Hose Blk Bushing Snap Nyl Blk Fuel Line Screw Hexwsh Thdrol 1/4-20x3/4 Washer 9/32 X 7/8 X 16ga Line Fuel 9 50" Plug Oil Drain (Order From Engine Manufacturer) nent dimensions given in U.S. inches 5.4 mm

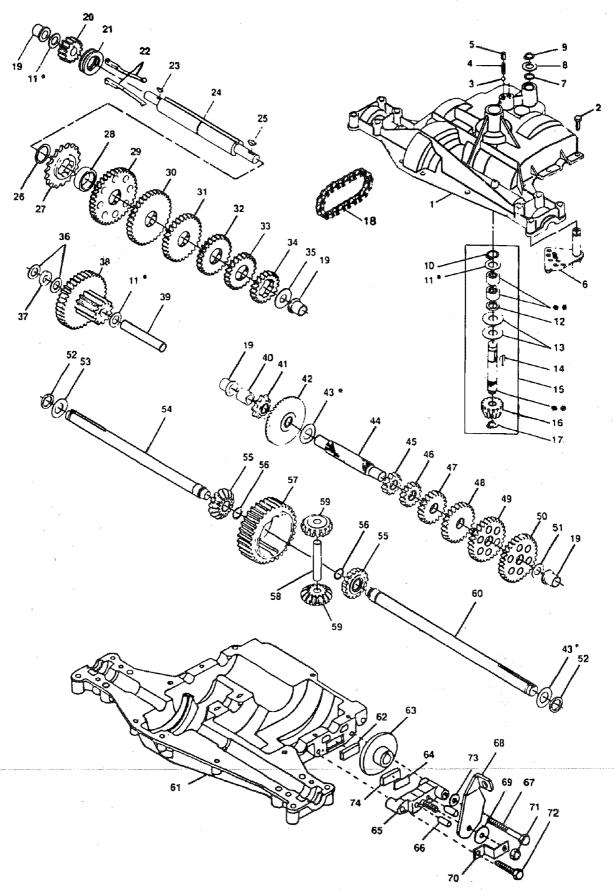
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581



12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 42" MOWER DECK

KEY NO.	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
4 5 6 7 8 9 10 11 12	130970 130969 110485X 128774 133172 129895 134149 129962 STD551137 850857 128961 130968 131491 131267 110452X 123713X 19111016 105304X STD541431 STD533106 STD624008 127218 73350800 130171 73800800 130171 73800800 135388 135563 130832 134619 133844 78158 129963 129861 73050900 STD533717 133943 131494 122052X 19131612 133502 133503 STD541437 72110618 133835	Housing Asm Mower 42" V-belt Mower 42" 92 40 Bearing Ball Mandrel Housing Mandrel Vented (machd) Shaft Asm Mandrel (Includes Key #6) Bearing Ball #6204 (mandrel) Blade 42"mower Mulching Washer Hard Blade Mower Vented Lockwasher Bolt 3/8-24x1 25 Gr8 Patched Stripper Mower Vented Shield Deflector 42"Black Rod Hinge 42"6 75 Wlg Bracket Deflector Mower 42" Nut Push Phos & Oil Spring Torsion Deflector 2 52 Washer 11/32 x 5/8 x 16 Ga Cap Sleeve 80x 112 Blk Mower Nut Bolt Ret Spring Link Front Nut Jam Hex 1/2-13 Unc Trunnion Blk Zinc Nylon Washer Ins Nut 1/2-13 Unc Link Lift Lh Arm Asm Idler 42" Bolt 5/16-18 x 1 25 T/t Washer Spacer Mower Vented Pulley Mandrel 42" Nut 9/16top Lock Fing Oil Dip Bolt Washer Hardened Pulley Idler Flat Spacer Arm Idler Upper Hdn 42" Stiffener Christmas Tree	49 50 51 52 53 54 55 55 56 66 66 66 66 66 67 67 67 67 67 67 67 67	120183X 122514X 122512X 122364X 122365X 125631X 134753 134079 71161010 10071000 19061216 2029J 130758 133171 130794	Bolt Shldr 10-24 Zinc Gr 5 42" Roller Asm Cam Follower 42"dec Nut Bolt Shoulder 5/16-18 Unc Blkz Arm Asm Brake Pad Washer Hardened Smaller Spring Extension Rod Pivot W/nibs Cotter Pin Rod Clutch Secondary W/nibs Guard Mandrel Lh 42" Rod Clutch Primary W/nibs Nut Trunnion Adj 3/8-16 Unc x 1 30 Retainer Screw Hex Thd Cut 1/4-20x5/8 T Bushing 747 Od x 794 Lg Brass Spring Return Arm Clutch Secondary Bolt Shoulder 3/8-16 Unc 1 44 Ring Klip #t5304-75 Washer 25/32 x 1 5/8 X 16ga Keeper Spring 4 000 Knob Rd 3/8-16 Plstc Thds Blk Arm Asm Clutch Primary Spring Clutch Mower 2 750 Zinc E Ring Washer 21/32 x 7/8 x 16ga Shaft Asm Pnt Lft W/wo/inf Hgt Pin Groove 1 500 Zinc Bearing Nylon Blk 629 Id Rod Asm Lever 9 219 Bend Stake Spring Cprsn 3 750 Oiled Plunger Lever Lift Button Plunger Red Grip Handle Fluted Blk Bracket Stiffener Cover 42" mulcher Screw Washer #10 Nut Weld Latch Assembly Deck Assembly Complete Mandrel Asm (Includes Key #'s 5-8,10-12,39 And 41) nent dimensions given in U.S. inches 5.4 mm

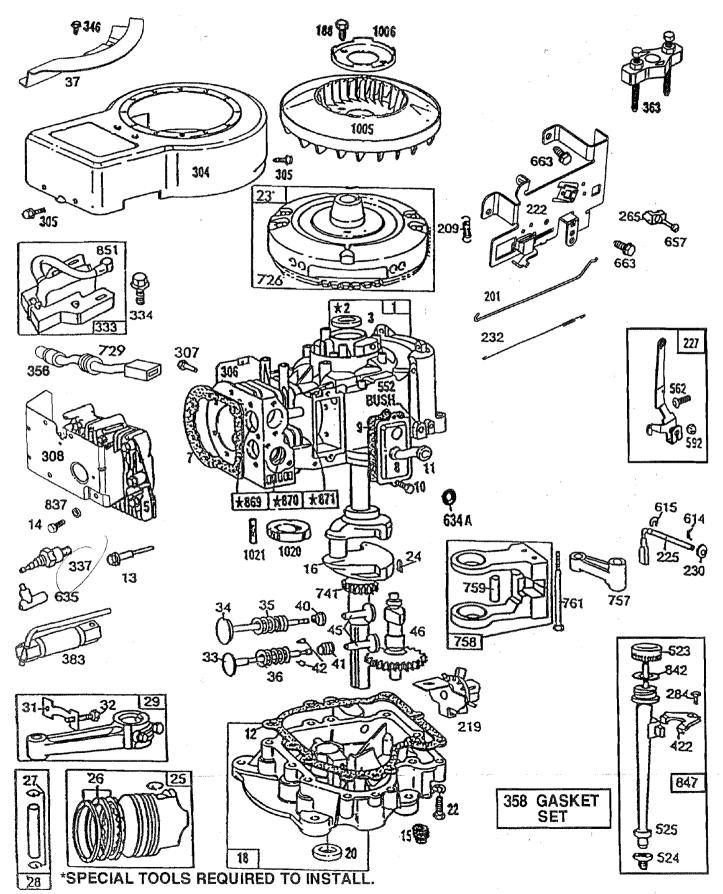
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 FOOTE/DANA TRANSAXLE - MODEL NUMBER 4360-7



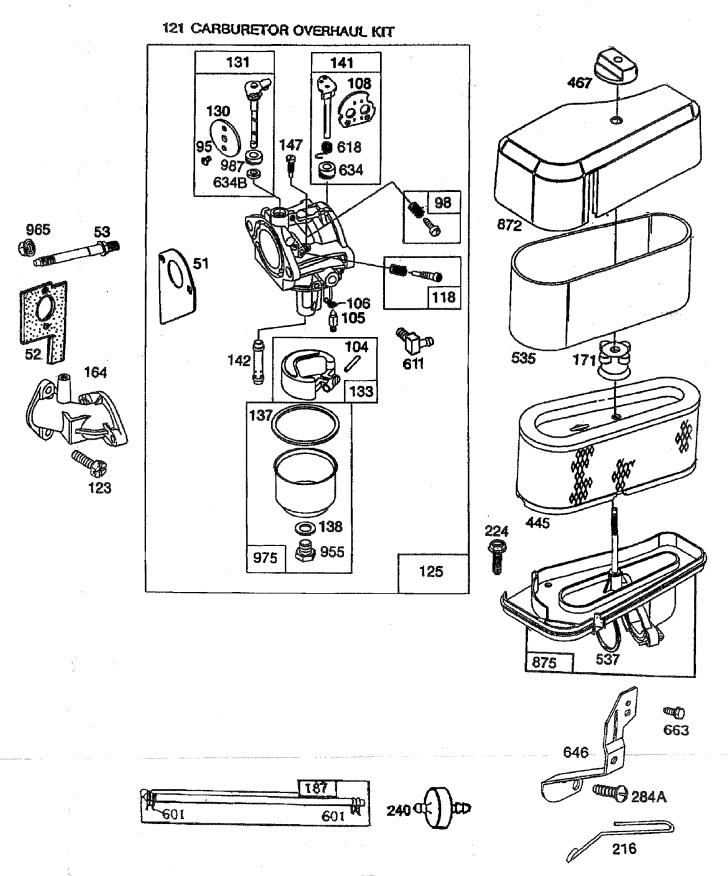
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 FOOTE/DANA TRANSAXLE - MODEL NUMBER4360-7

	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	120458X 2274J	Housing, Upper Screw, Tapping, Large 1/4-20 x .734	41 42 43	105928X 110084X 108983X	Sprocket, 9 Teeth Gear, Bevel, 42 Teeth * Washer, Plain .758 x 1.12 x .010
3	68003	Ball, Detent	40	105930X	* Washer, Plain .758 x 1.12 x .015
4	105904X	Spring, Detent		105931X	*Washer, Plain .758 x 1.12 x .020
5 6	105905X 120460X	Screw, Set Shifter Assembly		105932X 3417J	*Washer, Plain .758 x 1.12 x .025 *Washer, Plain .758 x 1.25 x .020
7	120461X	O-Ring		106097X	* Washer, Plain .758 x 1.25 x .025
8	120462X	* Washer, Plain .505 x .942 x .006		2264J	*Washer, Plain .758 x 1.25 x .031
	120463X 120464X	* Washer, Plain .505 x .942 x .010 * Washer, Plain .505 x .942 x .015		106098X 2265J	* Washer, Plain .758 x 1.25 x .035 * Washer, Plain .758 x 1.25 x .040
	120465X	* Washer, Plain .505 x .942 x .013			* Washer, Plain .758 x 1.25 x .045
	120466X	* Washer, Plain .505 x .942 x .026		106587X	* Washer, Plain .758 x 1.25 x .050
	83818	* Washer, Plain .505 x .942 x .030		106588X	* Washer, Plain .758 x 1.25 x .055
9	120467X 2286J	* Washer, Plain .505 x .942 x .040 Ring, Retaining	44	2263J 120473X	* Washer, Plain .758 x 1.25 x .062 Shaft, Drive
10	2267J	Ring, Retaining	45	105933X	Gear, Spur, 12 Teeth
11	3413J ,	* Washer, Plain .632 x 1.00 x .010	46	106151X	Gear, Spur, 15 Teeth
	2233J 2232J	* Washer, Plain .632 x 1.00 x .020 * Washer, Plain .632 x 1.00 x .026	47 48	120407X 106589X	Gear, Spur, 20 Teeth Gear, Spur, 25 Teeth
	2231J	* Washer, Plain .632 x 1.00 x .031	49	120408X	Gear, Spur, 28 Teeth
	2230J	* Washer, Plain .632 x 1.00 x .036	50	105937X	Gear, Spur, 31 Teeth
	2229J	* Washer, Plain .632 x 1.00 x .041	51	2226J	Washer, Plain .632 x 1.00 x .060
	2228J 2227J	* Washer, Plain .632 x 1.00 x .046 * Washer, Plain .632 x 1.00 x .050	52 53	2272J 2263J	Seal, Felt Washer, Plain .758 x 1.25 x .062
	2226J	* Washer, Plain .632 x 1.00 x .060	54	120474X	Axle, Left Hand
40	105906X	* Washer, Plain .632 x 1.00 x .082	55	110081X	Gear, Miter, 15 Teeth
12 13	6725J 120415X	O-Ring Washer, Plain .632 x 1.38 x .046		105941X 110071X	Ring, Retaining Gear, Spur, 32 Teeth
14	2257J	Key, Woodruff #9	58	120952X	Shaft, Cross
15	110077X	Assembly, Kit, Input Shaft	59	110082X	Gear, Miter, 15 Teeth
16 17	110078X 105909X	Pinion, Bevel, 14 Teeth Ring, Retaining	60 61	120475X 120476X	Axle, Right Hand Housing, Lower
18	105909X 105910X	Chain, 24 Pitches	62	120470X 120961X	Puck, Friction
19	105911X	Bearing, Flange	63	7294J	Disc, Brake
20	108976X	Gear, Spur, 14 Teeth	64	108989X	Spacer
21 22	105913X 120468X	Collar, Clutch Key, Clutch	65 66	120953X 120954X	Jaw, Brake Pin, Dowel
23	2242J	Key, Woodruff	67	120955X	Screw, Tapping, Large
24	120469X	Shaft, Intermediate		4000000	5/16-18 x 2.25
25 26	2244J 105916X	Key, Woodruff #61 Ring, Retaining	68 69	108992X 108996X	Lever, Actuating Washer, Plain .321 x 1.00 x .055
27	120470X	Sprocket, 18 Teeth	70	120956X	Bracket, Anti-Rotation
28	110070X	Spacer	71	73810500	Locknut 5/16-24
29 30	108977X 109254X	Gear, Spur, 37 Teeth Gear, Spur, 35 Teeth	72	106596X	Screw, Tapping, Large
31	120405X	Gear, Spur, 30 Teeth	73	120993X	5/16-18 x 1.44 Washer, Plain .343 x .81 x .059
32	108980X	Gear, Spur, 25 Teeth	74	120951X	Puck, Friction
33	120406X	Gear, Spur, 22 Teeth	75	120416X	Grease
34 35	108455X 105925X	Gear, Spur, 19 Teeth Washer, Plain .640 x 1.37 x .061	*	Use In Vario	us Combinations To Maintain Proper
36	2232J	Washer, Plain .632 x 1.00 x .026		Clearances.	ao combinationo to matitali i topel
37	108978X	Spacer .630 x 1.00 x .169	 ند		and the second s
38	110079X	Assembly, Gear, Combination of 12 Teeth and 35 Teeth	**	Order Key N	
39 40	120471X 120472X	Shaft, Idler Spacer .635 x.875 x .755	NO	TE: All compo 1 inch = 2	nent dimensions given in U.S. inches 5.4 mm

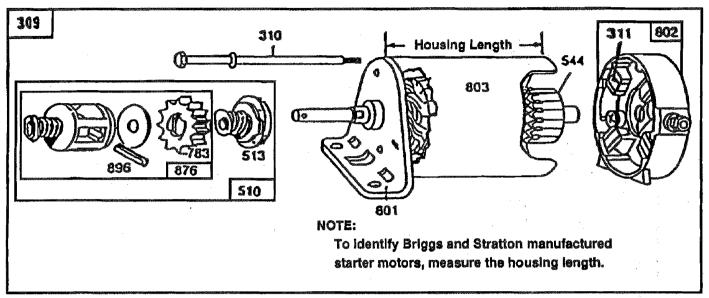
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0437-01



12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0437-01



12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581
BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0437-01



KEY N	UMBER	309	310	311	510	544	801	802	803
	,	Motor and	Thru Bolt	Brush	Drive	Armature	Drive End Cap	End Cap Assy.	Housing
MANUFA	CTURER	Drive Assy.	Assembly	Assembly	Assembly	Assembly	Assembly	Commutator	Assembly
Briggs &	Housing								,
Stratton	Length		•				*		
12V	3-21/32"	494325	94003	395538	490421**	390837	394856	395537*	398159

*Includes Brush Set

**includes

#398003 Clutch Assembly

#280104 Gear

#490467 Retainer and Pin

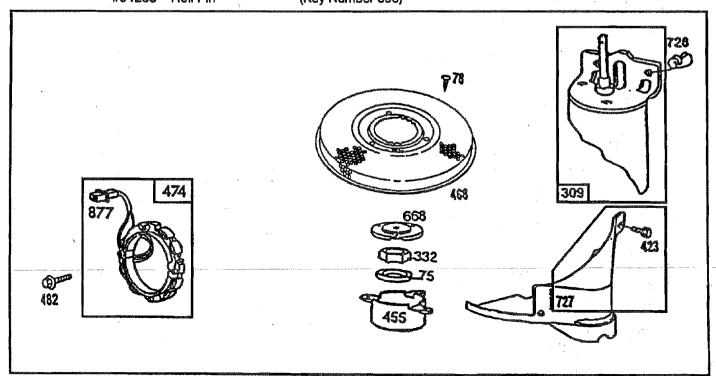
#94288 Roll Pin

(Key Number 513)

(Key Number 783)

(Key Number 876)

(Key Number 896)



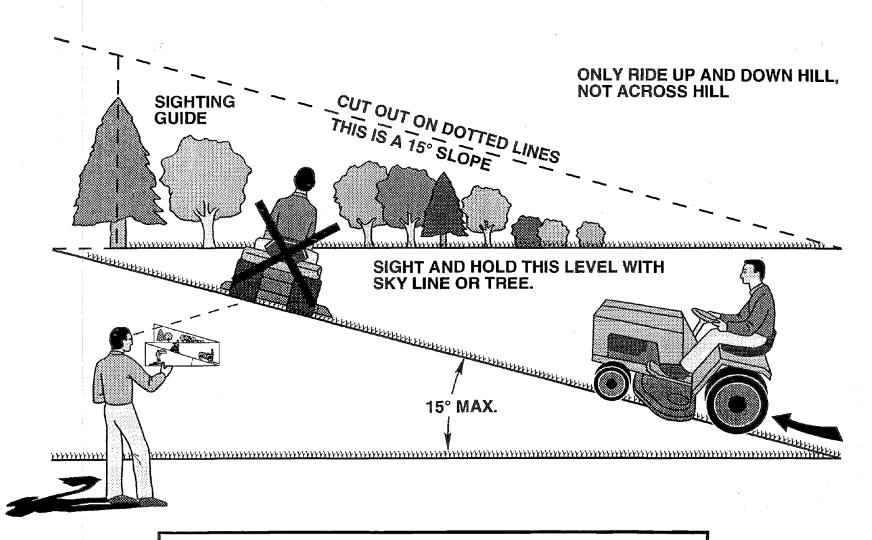
12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0437-01

	PART NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1	490450	Cylinder Assembly	78 93805	Screw, Sems
2	261623	Bearing, Cylinder (Requires Special	95 94098	** Screw, Throttle
		Tools For Installation)	98 494382	Screw, Idle Speed
3	391086	* Seal, Oil	104 231789	** Pin, Float Hinge
<u>5</u>	494240	Head, Cylinder	105 231790	** Valve Assembly, Inlet Needle
7	271866	* Gasket, Cylinder Head	106 281169	Inlet Valve Seat
8	391406	Breather Assembly	108 224540	Valve, Choke
9	27803	Gasket, Valve Cover	118 494383	** Valve, Needle
10 11	94621	Screw, Sems	121 494384	Carburetor Overhaul Kit (Includes Items marked ** and ***)
12	280100 271916	Tube, Breather * Gasket, Crankcase Cover 1/64"	123 94616	Screw, Elbow Mounting
12	271997	* Gasket, Crankcase Cover .005"	125 494392	Carburetor Assembly
	271996	* Gasket, Crankcase Cover .009"	120 404002	(Choke-A-Matic)
13	94622	Screw, Cylinder Head 3"	130 224539	Valve, Throttle
14	93415	Screw, Cylinder Head 3/4"	131 494379	Shaft and Lever, Throttle
15	94239	Plug, Oil Drain	133 494381	Float, Carburetor
16	490466	Crankshaft	137 281165	*** Gasket, Float Bowl
	94196	Key, Timing Gear	138 281164	*** Washer, Float Bowl Screw
	494238	Base, Engine	141 494380	** Shaft and Lever, Choke
20	291675	* Seal, Oil	142 231793	** Nozzle/Jet, Carburetor
22	94624	Screw, Sems, Base Mounting	494499	High Altitude Kit:
23	492326	Flywheel and Ring Gear Assembly,		231796 Pilot Jet, High Altitude
0.4	000000	Magneto	147 001704	281164 Seal, Bowl Screw
24	222698	Key, Flywheel	147 231794 164 213811	** Pilot, Jet
25	394661 394662	Piston Assembly, Standard	171 281051	Carburetor, Elbow Nut, Air Cleaner Mounting
	394663	Piston Assembly .010" Oversize Piston Assembly .020" Oversize	187 393815	Line, Fuel, 11" (Cut To Suit)
	394664	Piston Assembly .030" Oversize	188 93535	Screw, Sems 3/4"
26	391780	Ring Set, Piston, Standard	201 262767	Link, Governor
	392331	Ring Set, Piston, Chrome, Standard	209 260871	Spring, Governor
	391781	Ring Set, Piston .010" Oversize	216 262766	Link, Choke
	391782	Ring Set, Piston .020" Oversize	219 490815	Oil Slinger, Governor Gear and
	391783	Ring Set, Piston .030" Oversize		Bracket Assembly
27	260924	Lock, Piston Pin	222 494887	Plate, Governor Control
28	299691	Pin Assembly, Piston, Standard		(Choke-A-Matic)
	391286	Pin Assembly, Piston .005" Over	224 94513	Screw, Sem, Air Cleaner
29	490348	Rod Assembly, Connecting	225 231058	Crank, Governor, 1/4" Diameter
	490469	Rod Assembly, Connecting	227 493935	Lever Assembly, Governor
04	000000	.020" Undersize Crankpin Bore	230 222450	Washer, Governor Crank, 1/4" I.D.
31 32	222299 92909	Lock, Connecting Rod Screw	232 262785	Spring, Governor Link
33	262246	Screw, Connecting Rod Valve, Exhaust	240 394358 265 221535	Filter, Fuel Clamp, Casing
34	262247	Valve, Intake	284 94419	Screw, Clamp Mounting
35	65906	Spring, Intake Valve	284A 94326	Screw, Air Cleaner
36	26828	Spring, Exhaust Valve	304 224504	Housing, Blower, Red
37	223752	Guard, Flywheel	305 94619	Screw, Sems, Blower Housing
40	221596	Retainer, Intake Valve		Mounting
41	292260	Rotocoil, Exhaust Valve	306 224545	Shield, Čylinder
42	93630	Retainer, Exhaust Valve Rotocoil	307 94623	Screw, Sems, Cylinder Shield Mtg.
45	262248	Tappet-Valve	308 491490	Cover, Cylinder Head
46	212897	Gear, Cam		• • • • • • • • • • • • • • • • • • • •
51	281170	*** Gasket, Carburetor	ncluded in	n Gasket Set (494241)
	070070	(Carburetor to Elbow)		Carburetor Overhaul Kit (494384)
52	270872	* Gasket, Carburetor		n both Carburetor Overhaul Kit (494384)
F 0	04607	(Elbow to Cylinder)	and Carbu	retor Gasket Set (494386)
53	94637	Stud, Carburetor Mounting	NOTE: All	annum dia annum aire de 1900 de
75	224061	Washer, Spring		nponent dimensions given in U.S. inches
	*		Tinch	= 25.4 mm

12.5 HP 42" RIDING LAWN TRACTOR - - MODEL NUMBER 917.255581 BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0437-01

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
309	Motor, Starting, 12 Volt (see chart	663 94620	Screw, Hex Head
	on illustrated pages for replacement	668 280848	Spacer
	parts for Starting Motors)	726 392134	Gear, Ring (Includes Mounting
332 92284	Nut, Hex		Parts)
333 492341	Armature, Magneto	727 490324	Cover, Starter (Includes Mounting
334 93381	Screw, Sems, Armature Mounting		Screws)
337 802592	Plug, Spark, (1-7/8" or 47 mm)	728 93535	Screw, Sems
040 0070	(Resistor Type)	729 281159	Clip, Lead Wire
346 93705	Screw, Hex Head	741 262135	Gear, Timing
356 494328	Wire, Ground	757 212359	Link, Counterweight
358 494241	Gasket Set (Includes all items	758 399891	Counterweight Assembly
060 10000	marked *)	759 298909 761 93875	Pin, Counterweight Screw, Counterweight
363 19203 383 89838	Puller, Flywheel Wrench, Spark Plug	837 231109	Spacer, Muffler Mounting
422 223721	Clamp, Oil FillerTube	842 270920	Seal, Oil Filler Cap
423 93984	Screw, Sems	847 490474	Fill Group, Oil
445 493909	Cartridge, Air Cleaner	851 221798	Terminal, Ignition Cable
455 222561	Cup, Screen Mounting	869 261463	Seat, Intake Valve, Standard
467 493903	Knob, Air Cleaner	870 210940	Seat, Exhaust Valve, Standard
468 222562	Screen, Flush Rotating	871 261961	Guide, Exhaust Valve
474 393474	Stator, Alternator, Dual Circuit	872 281104	Cover, Air Cleaner
482 93621	Screw, Sems	875 494237	Body, Air Cleaner
523 490327	Cap and Dipstick, Oil Filler	877 393456	Diode and Connector Assembly,
524 68838	Seal, Filler Tube		Dual Circuit
525 280741	Tube, Oil Filler	955 94642	** Screw, Fuel Bowl
535 272403	Element, Air Cleaner	965 94108	Locknut, Air Cleaner Mounting
537 281106	* O-Ring, Air Cleaner	975 494378	Bowl Assembly, Carburetor
552 231597	Bushing, Governor Crank, 1/4" I.D.	977 494386	Carburetor Gasket Kit (Includes
562 92613	Bolt, Governor Lever		items marked ***)
592 231082	Nut, Hex_#10-24	987 281166	** Seal, Throttle Shaft
601 93053	Clamp, Fuel Pipe	1005 280687	Fan, Flywheel
611 494451	Fuel Inlet Tube	1006 223726	Retainer, Fan
614 93306	Cotter, Hair Pin	1020 262243	Eccentric
615 93307	Retainer, E-Ring	1021 94160	Pin, Eccentric
618 262803	Spring, Choke Return	* In all of all to 7	D1 O (40.40.44)
634 281168	** Seal, Choke Shaft	Included in C	Gasket Set (494241)
634A 491323 634B 281167	* Seal, Governor) In Depuisin	Carburetor Överhaul Kit (494384)
635 66538	Washer, Throttle Shaft	and Carbura	ooth Carburetor Overhaul Kit (494384)
646 224486	Elbow, Spark Plug	and Carbure	etor Gasket Set (494386)
657 93496	Brace, Air Cleaner Screw, Sems	NOTE: All comp	opent dimensions given in II S. inches
037 33430	OCIOW, DOILIS		onent dimensions given in U.S. inches 25.4 mm

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION





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

SEARS OWNER'S MANUAL

MODEL NO. 917.255581

HOW TO ORDER REPAIR PARTS

CRAFTSMAN

12.5 HP I/C ELECTRIC START 3 in One Convertible 42" MOWER DECK 6 SPEED TRANSAXLE LAWN TRACTOR

Each tractor has its own model number. Each engine has its own model number.

The model number for your tractor will be found on the model plate located under the seat.

The model number for your engine will be found on the blower housing.

All parts listed herein may be ordered from any Sears, Roebuck and Co. Service Centers and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOW-ING INFORMATION:

- · PRODUCT LAWN TRACTOR
- MODEL NUMBER 917.255581
- ENGINE MODEL NUMBER 286707, TYPE NUMBER 0437-01
- PART NUMBER
- PART DESCRIPTION

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained to insure that we meet our pledge to you, we service what we sell.

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