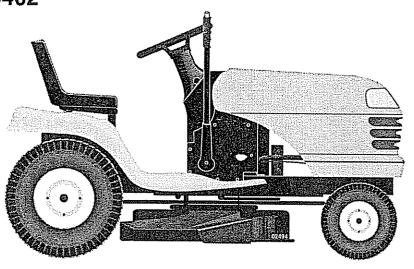
Owner's Manual



LAWN TRACTOR

18.0 HP, 42" Mower Electric Start Automatic Transmission

Model No. **917.273402**





This product has a low emission engine which operates differently from previously built engines. Before you start the engine, read and understand this Owner's Manual.

IMPORTANT:

Read and follow all Safety Rules and Instructions before operating this equipment. For answers to your questions about this product, Call:

1-800-659-5917Sears Craftsman Help Line 5 am - 5 pm, Mon - Sat

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A Visit our Craftsman website:www.sears.com/craftsman

TABLE OF CONTENTS

Warranty2	Maintenance Schedule	18
Safety Rules3		
Product Specifications6		
AssemblyPre-Operation8		
Operation11		
Maintenance 18	D = 1	Cover

WARRANTY

LIMITED WARRANTY ON CRAFTSMAN RIDING EQUIPMENT

For two (2) years from the date of purchase, if this Craftsman 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 that are found to be defective in material or workmanship according to the guidelines of coverage listed below. Sears will also provide free labor for these applicable warranted parts for the two full years. During the first 30 days of purchase, there will be no charges to service the product at your home for issues covered by this warranty. (See exclusions below). For your convenience, IN HOME warranty service will still be available after the first 30 days of purchase, but a trip charge will apply. This charge will be waived if the Craftsman product is dropped off at an authorized Sears location. For the nearest authorized Sears location, please call 1-800-4-MY-HOME®. This warranty applies only while this product is within the United States.

This Warranty does not cover:

 Expendable items which become worn during normal use, including but not limited to blades, spark plugs, air cleaners, belts, and oil filters.

Standard Maintenance Servicing, oil changes, or tune-ups

 Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.

 Repairs necessary because of operator abuse, including but not limited to, damage caused by towing objects beyond the capability of the riding equipment, impacting objects that bend the frame or crankshaft, or over-speeding the engine.

- Repairs necessary because of operator negligence, including but not limited to, electrical and mechanical damage caused by improper storage, failure to use the proper grade and amount of engine oil, failure to keep the deck clear of flammable debris, or failure to maintain the equipment according to the instructions contained in the owner's manual.
- Engine (fuel system) cleaning or repairs caused by fuel determined to be contaminated or oxidized (stale). In general, fuel should be used within 30 days of its purchase date.
- Normal deterioration and wear of the exterior finishes, or product label replacement.
- Riding equipment used for commercial or rental purposes.

LIMITED WARRANTY ON BATTERY

For ninety (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. During the first 30 days of purchase, there will be no charges to replace the battery at your HOME. After the first 30 days, for your convenience, IN-HOME warranty service will still be available but a trip charge will apply. This charge will be waived if the Craftsman product is dropped off at an authorized Sears location. For the nearest authorized Sears location, please call 1-800-4-MY-HOME®.

This battery warranty applies only while this product is within the United States.

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

Sears, Roebuck and Co., Dept. 817WA, Hoffman Estates, IL 60179

SATETY RULES

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.

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

WARNING: Do not coast down a hill in neutral, you may lose control of the tractor.

WARNING: Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Operate only at the lowest possible speed when on a slope. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

WARNING: Engine exhaust, some of its constituents, and certain vehicle components contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

WARNING: Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

I. 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.
- Data indicates that operators, age 60
 years and above, are involved in a large
 percentage of riding mower-related injuries. These operators should evaluate
 their ability to operate the riding mower
 safely enough to protect themselves
 and others from serious injury.
- Keep machine free of grass, leaves or other debris build-up which can touch hot exhaust / engine parts and burn. Do not allow the mower deck to plow leaves or other debris which can cause buildup to occur. Clean any oil or fuel spillage before operating or storing the machine. Allow machine to cool before storage.

II. SLOPE OPERATION

Slopes are a major factor related to lossof-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.

SAFETY RULES

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.

SAFETYFULES











- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers or children even with the blades off.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- 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.
- Mow up and down slopes (15° Max), 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.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope.
- If machine stops while going uphill, disengage blades, shift into reverse and back down slowly.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.

PRODUCT SPECIFICATIONS

Gasoline Capacity and Type:	1.25 Gallons Unleaded Regular		
Oil Type (API-SF-SJ):	SAE 30 (above 32°F) SAE 5W-30 (Below 32°F)		
Oil Capacity:	W/Filter: 3.5 Pints W/O Filter: 3.0 Pints		
Spark Plug: (GAP: .030")	Champion RC12YC		
Ground Speed (MPH):	Forward: 5.2 Reverse: 2.7		
Tire Pressure:	Front: 14 PSI Rear: 12 PSI		
Charging System	:3 Amps Battery 5 Amps Headlights		
Battery:	Amp/Hr: 28 Min. CCA: 230 Case Size: U1R		
Blade Bolt Torque:	2735 Ft. Lbs.		

CONGRATULATIONS on your purchase of a new 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 a Sears or other qualified service center. We have competent, well-trained technicians and the proper tools to service or repair this tractor.

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

CUSTOMER RESPONSIBILITIES

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

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 service center (See REPAIR PARTS section of this manual).

REPAIR PROTECTION AGREEMENTS

Congratulations on making a smart purchase. Your new Craftsman® product is designed and manufactured for years of dependable operation. But like all products, it may require repair from time to time. That's when having a Repair Protection Agreement can save you money and aggravation.

Purchase a Repair Protection Agreement now and protect yourself from unexpected hassle and expense.

Here's what's included in the Agreement:

- Expert service by our 12,000 profesional repair specialists.
- Unlimited service and no charge for parts and labor on all covered repairs.
- Product replacement if your covered product can't be fixed.
- Discount of 10% from regular price of service and service-related parts not covered by the agreement; also, 10% off regular price of preventive maintenance check.
- Fast help by phone phone support from a Sears technician on products requiring in-home repair, plus convenient repair scheduling.

Once you purchase the Agreement, a simple phone call is all that it takes for you to schedule service. You can call anytime day or night, or schedule a service appointment online.

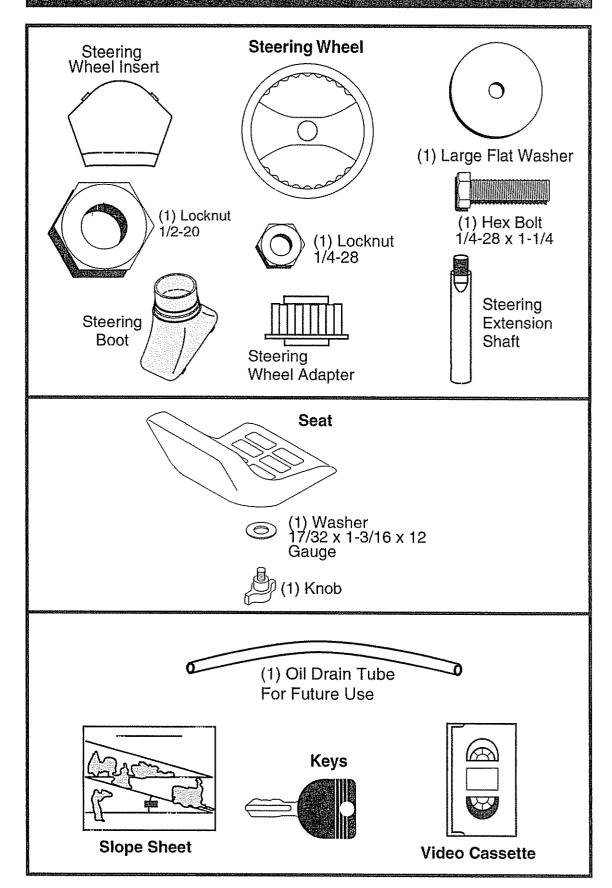
Sears has over 12,000 professional repair specialists, who have access to over 4.5 million quality parts and accessories. That's the kind of professionalism you can count on to help prolong the life of your new purchase for years to come. Purchase your Repair Protection Agreement today!

Some limitations and exclusions apply. For prices and additional information call 1-800-827-6655.

SEARS INSTALLATION SERVICE

For Sears professional installation of home appliances, garage door openers, water heaters, and other major home items, in the U.S.A. call 1-800-4-MY-6

UNASSEMBLED PARTS



ASSEMBLY/PRE-OPERATION

Your new tractor has been assembled at the factory with the 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 proper tightness. Review the video cassette before you begin.

TOOLS REQUIRED FOR ASSEMBLY

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

- (1) 3/4" wrench
- (1) Pliers
- (2) 7/16" wrench
- (1) Utility knife
- (1) Tire pressure gauge

When right or left hand is mentioned in this manual, it means, from your point of view, when you are in the operating position (seated behind the steering wheel).

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

- 1. Remove all accessible loose parts and parts boxes from carton.
- 2. Cut along dotted lines on all four panels of carton. Remove end panels and lay side panels flat.
- 3. Check for any additional loose parts or cartons and remove.

BEFORE REMOVING TRACTOR FROM SKID ATTACH STEERING WHEEL

ASSEMBLE EXTENSION SHAFT AND BOOT

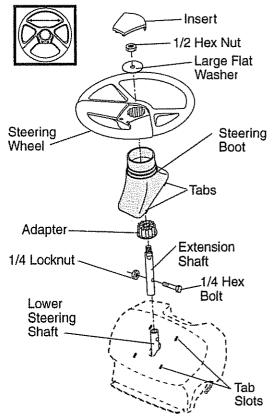
 Slide extension shaft onto lower steering shaft. Align mounting holes in extension and lower shafts and install 1/4 hex bolt and locknut. Tighten securely.

IMPORTANT: Tighten bolt and nut securely to 10-12 ft. lbs torque.

2. Place tabs of steering boot over tab slots in dash and push down to secure.

INSTALL STEERING WHEEL

- 3. Position front wheels of the tractor so they are pointing straight forward.
- 4. Remove steering wheel adapter from steering wheel and slide adapter onto steering shaft extension.
- Position steering wheel so cross bars are horizontal (left to right) and slide inside boot and onto adapter.
- 6. Assemble large flat washer, 1/2 hex nut and tighten securely.



- 7. Snap steering wheel insert into center of steering wheel.
- 8. Remove protective materials from tractor hood and grill.

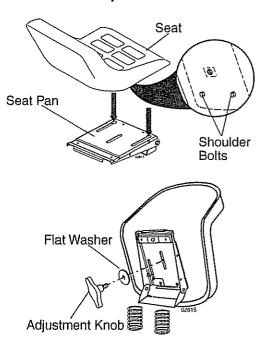
IMPORTANT: Check for and remove any staples in skid that may puncture tires where tractor is to roll off skid.

HOW TO SET UP TRACTOR INSTALL SEAT

Adjust seat before tightening adjustment knob.

- Remove adjustment knob and flat washer securing seat to cardboard packing and set aside for assembly of seat to tractor.
- Pivot seat upward and remove from the cardboard packing. Remove the cardboard packing and discard.
- Place seat on seat pan so head of shoulder bolts are positioned over the large slotted holes in pan.

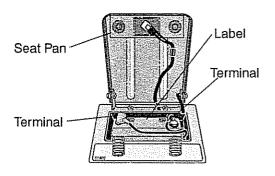
- Push down on seat to engage shoulder bolts in slots and pull seat towards rear of tractor.
- 5. Pivot seat and pan forward and assemble adjustment knob and flat washer loosely. Do not tighten.
- Lower seat into operating position and sit in seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down.
- 8. Get off seat without moving its adjusted position.
- 9. Raise seat and tighten adjustment knob securely.



CHECK BATTERY

1. Lift seat pan to raised position.

NOTE: If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps. (See "BATTERY" in Maintenance section of this manual for charging instructions).



NOTE: You may now roll or drive your tractor off the skid. Follow the appropriate instruction below to remove the tractor from the skid.

TO ROLL TRACTOR OFF SKID (See Operation section for location and function of controls)

- Press lift lever plunger and raise attachment lift lever to its highest position.
- 2. Release parking brake by depressing clutch/brake pedal.
- 3. Place freewheel control in "transmission disengaged" position (See "TO TRANSPORT" in the Operation section of this manual).
- Roll tractor forward off skid.
- 5. Remove banding holding deflector shield up against tractor.

TO DRIVE TRACTOR OFF SKID (See Operation section for location and function of controls)

WARNING: Before starting, read, understand and follow all instructions in the Operation section of this manual. Be sure tractor is in a well-ventilated area. Be sure the area in front of tractor is clear of other people and objects.

- 1. Be sure all the above assembly steps have been completed.
- 2. Check engine oil level and fill fuel tank with gasoline.
- 3. Place freewheel control in "transmission engaged" position. (See "TO TRANSPORT" in the Operation section of this manual).
- Sit on seat in operating position, depress clutch/brake pedal and set the parking brake.
- 5. Place motion control lever in neutral (N) position.
- 6. Press lift lever plunger and raise attachment lift lever to its highest position
- Start the engine. After engine has started, move throttle control to idle position.
- Release parking brake.
- Slowly move the motion control lever forward and slowly drive tractor off skid.
- Apply brake to stop tractor, set parking brake and place motion control lever in neutral position.
- 11. Turn ignition key to "STOP" position. Continue with the instructions that follow.

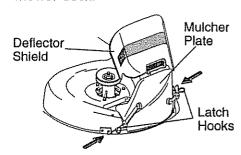
INSTALL MULCHER PLATE (If previously removed)

1. 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.



ACAUTION: Do not remove deflector shield from mower.

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.

NOTE: It is not necessary to change blades. The mulching blades are designed for discharging and bagging also.

CHECK TIRE PRESSURE

The tires on your tractor 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" section 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.

✓ CHECKLIST

Before you operate your new tractor, we wish 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.
- ✓ Before driving tractor, be sure freewheel control is in "transmission engaged" position (see "TO TRANSPORT" in the Operation section of this manual).

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.
- ✓ It is important to purge the transmission before operating your tractor for the first time. Follow proper starting and transmission purging instructions (See "TO START ENGINE" and "PURGE TRANS-MISSION" in the Operation section of this manual).

OPERATION

These symbols may appear on your tractor or in literature supplied with the product. Learn and understand their meaning.





























PARKING BRAKE



LOCKED





























BATTERY



FORWARD

MOWER HEIGHT



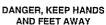






ATTACHMENT ATTACHMENT CLUTCH ENGAGED CLUTCH DISENGAGED





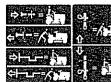








SLOPE HAZARDS KEEP AREA CLEAR (SEE SAFETY RULES SECTION)



FREE WHEEL (Automatic Models only)



Failure to follow instructions could result in serious injury or death. The safety alert symbol is used to identify safety information about hazards which can result in death, serious injury and/or property damage.



DANGER indicates a hazard which, if not avoided, will result in death or serious injury.



WARNING indicates a hazard which, if not avoided, could result in death or serious injury.



CAUTION indicates a hazard which, if not avoided, might result in minor or moderate injury.

CAUTION when used without the alert symbol, indicates a situation that could result in damage to the tractor and/or engine.



HOT SURFACES indicates a hazard which, if not avoided, could result in death, serious injury and/or property damage.

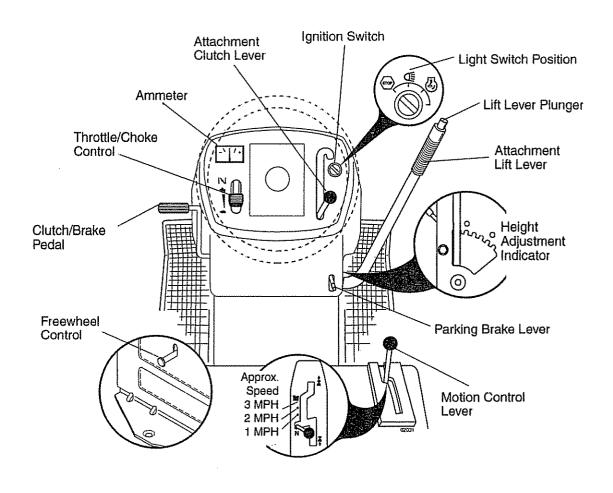


FIRE indicates a hazard which, if not avoided, could result in death, serious injury and/or property damage.

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.



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

AMMETER - Indicates charging (+) or discharging (-) of battery.

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

ATTACHMENT LIFT LEVER - Used to raise, lower, and adjust the mower deck or other attachments mounted to your tractor. CLUTCH/BRAKE PEDAL - Used for declutching and braking the tractor and starting the engine.

MOTION CONTROL LEVER - Selects the speed and direction of tractor.

IGNITION SWITCH - Used for starting and stopping the engine.

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

LIGHT SWITCH POSITION - Turns the headlights on and off.

PARKING BRAKE LEVER - Locks clutch/ brake pedal into the brake position.

THROTTLE/CHOKE CONTROL - Used for starting and controlling engine speed. FREEWHEEL CONTROL - Disengagages transmission for pushing or slowly towing the tractor with the engine off.

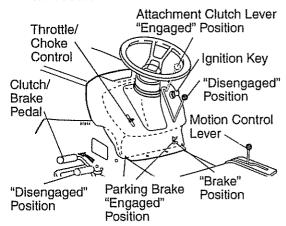


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn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

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE

Your tractor is equipped with an operator presence sensing switch. When engine is running, any attempt by the operator to leave the seat without first setting the parking brake will shut off the engine.

- Depress clutch/brake pedal all the way down and hold.
- Pull parking brake lever up and release pressure from clutch/brake pedal.
 Pedal should remain in brake position.
 Make sure parking brake will hold tractor secure.



STOPPING

MOWER BLADES -

 To stop mower blades, move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- To stop ground drive, depress clutch/ brake pedal all the way down.
- Move motion control lever to neutral (N) position.

IMPORTANT: The motion control lever does not return to neutral (N) position when the clutch/brake pedal is depressed.

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 "STOP" position and remove key. Always remove key when leaving tractor to prevent unauthorized use.

 Never use choke to stop engine.
 IMPORTANT: Leaving the ignition switch in any position other than "STOP" will cause the battery to discharge and go dead.

NOTE: Under certain conditions when tractor 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 tractor on grass areas.

ACAUTION: Always stop tractor completely, as described above, before leaving the operator's position.

TO USE THROTTLE CONTROL

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

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

- Start tractor with motion control lever in neutral (N) position.
- Release parking brake.
- Slowly move motion control lever to desired position.

TO ADJUST MOWER CUTTING HEIGHT

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 to approximately 2-1/2 inches during the cool season and to 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.

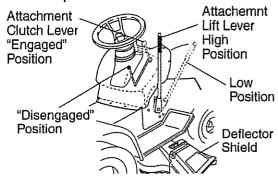
TO OPERATE MOWER

Your tractor 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. You must remain fully and centrally positioned in the seat to prevent the engine from hesitating or cutting off when operating your equipment on rough, rolling terrain or hills.

- Select desired height of cut.
- 2. Start mower blades by engaging attachment clutch control.

TO STOP MOWER BLADES - disengage attachment clutch control.

without either the entire grass catcher, on mowers so equipped, or the deflector shield in place.



TO OPERATE ON HILLS

WARNING: Do not drive up or down hills with slopes greater than 15° and do not drive across any slope. Use the slope quide at the back of this manual.

- 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 motion control lever to neutral (N) position.

IMPORTANT: The motion control lever does not return to neutral (N) position when the clutch/brake pedal is depressed.

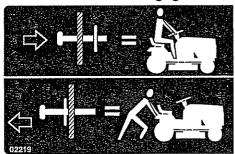
- To restart movement, slowly release parking brake and clutch/brake pedal.
- Slowly move motion control lever to slowest setting.
- Make all turns slowly.

TO TRANSPORT

When pushing or towing your tractor, be sure to disengage transmission by placing freewheel control in freewheeling position. Freewheel control is located at the rear drawbar of tractor.

- Raise attachment lift to highest position with attachment lift control.
- Pull freewheel control out and down into the slot and release so it is held in the disengaged position.
- Do not push or tow tractor at more than two (2) MPH.
- To re-engage transmission, reverse above procedure.

Transmission Engaged



Transmission Disengaged

NOTE: To protect hood from damage when transporting your tractor on a truck or a trailer, be sure hood is closed and secured to tractor. Use an appropriate means of tying hood to tractor (rope, cord, etc.).

TOWING CARTS AND OTHER ATTACH-MENTS

Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL

The engine in your tractor has been shipped, from the factory, already filled with summer weight oil.

- 1. Check engine oil with tractor on level ground.
- 2. Remove oil fill cap/dipstick and wipe clean, reinsert the dipstick 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 the oil viscosity chart in the Maintenance section of this manual).
- To change engine oil, see the Maintenance section in this manual.

ADD GASOLINE

Fill fuel tank to bottom of tank filler neck.
Do not overfill. Use fresh, clean, regular
unleaded gasoline with a minimum of
87 octane. (Use of leaded gasoline will
increase carbon and lead oxide deposits
and reduce valve life). Do not mix oil
with gasoline. Purchase fuel in quantities that can be used within 30 days to
assure fuel freshness.

CAUTION: Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

IMPORTANT: When operating in temperatures below 32°F(0°C), use fresh, clean winter grade gasoline to help insure good cold weather starting.

CAUTION: 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.

TO START ENGINE

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

- 1. Be sure freewheel control is in the transmission engaged position.
- Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- 3. Place motion control lever in neutral (N) position.
- 4. Move attachment clutch to disengaged position.
- 5. Move throttle control to choke position.

NOTE: Before starting, read the warm and cold starting procedures below.

6. Insert key into ignition and turn 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 the engine does not start after several attempts, move throttle control to fast position, wait a few minutes and try again. If engine still does not start, move the throttle control back to the choke position and retry.

WARM WEATHER STARTING (50° F and above)

- 7. When engine starts, move the throttle control to the fast position.
- The attachments and ground drive can now be used. If the engine does not accept the load, restart the engine and allow it to warm up for one minute using the choke as described above.

COLD WEATHER STARTING (50° F and below)

7. When engine starts, allow engine to run with the throttle control in the choke position until the engine runs roughly, then move throttle control to fast position. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.

AUTOMATIC TRANSMISSION WARM UP Before driving the unit in cold weather, the transmission should be warmed up as follows:

- 1. Be sure the tractor is on level ground.
- 2. Place the motion control lever in neutral. Release the parking brake and let the clutch/brake slowly return to operating position.
- 3. Allow one minute for transmission to warm up. This can be done during the engine warm up period.
- The attachments can also be used during the engine warm-up period after the transmission has been warmed up.

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.)

PURGETRANSMISSION

To ensure proper operation and performance, it is recommended that the transmission be purged before operating tractor for the first time. This procedure will remove any trapped air inside the transmission which may have developed during shipping of your tractor.

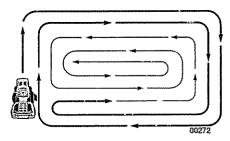
IMPORTANT: Should your transmission require removal for service or replacement, it should be purged after reinstallation before operating the tractor.

- Place tractor safely in an area that is flat for approximately 80 feet in front of the tractor and set the parking brake.
- Sitting in the tractor seat, start engine. After the engine is running, move throttle control to slow position. With motion control lever in neutral (N) position, slowly disengage clutch/brake pedal.
- 3. Slowly move motion control lever to full forward position and hold for five (5) seconds, or approximately 40 feet. Slowly move lever to full reverse position and hold for five (5) seconds, or approximately 20 feet. After the tractor moves approximately 20 feet in reverse return the motion control lever to the neutral (N) position. Repeat this procedure three (3) times.

Your transmission is now purged and now ready for normal operation.

MOWING TIPS

- 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 already been cut. Have the cut area to the right of the tractor. 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.

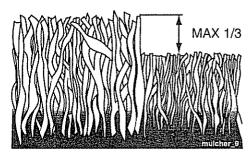


- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings.
 Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet.
 Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before 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, the newly cut area will not be
 exposed to direct sunlight.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades. For extremely heavy grass, reduce your width of cut on each pass and mow slowly.



- 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 (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.

MAINTENANCE

AS	MAINTENANCE SCHEDUL L IN DATES YOU COMPLETE GULAR SERVICE	E	EFORE	ENCHU	HOUR HOUR HOUR	HOUP VERY E	S HOUS OHOUS VERY	S HOY	RESOLUTION OF THE PROPERTY OF	KORNGE SERVIC	CE DATES	
	Check Brake Operation	4	2/									1
	Check Tire Pressure	6	4									
Т	Check Operator Presence and Interlock Systems	V										
Ŗ	Check for Loose Fasteners	4				6 /5		4				
A	Sharpen/Replace Mower Blades			6/ 3								
Ť	Lubrication Chart			6/				6/				
o	Check Battery Level			1								
R	Clean Battery and Terminals			8/				V				1
	Check Transaxle Cooling		1	1								1
	Check V-Bells	<u> </u>				6/						
	Check Engine Oll Level	6	6									Ī
	Change Engine Oil (with oil filter)				1,2			4				
E	Change Engine Oil (without oil filter)			1,2				8/]
N	Clean Air Filter			1 2 2								
Ģ	Clean Air Screen			1/2								1
N	Inspect Muffler/Spark Arrester				4							1
E	Replace Oil Filter (If equipped)					1,2]
_	Clean Engine Cooling Fins				T	1/2						į
	Replace Spark Plug					6/	6/					
	Replace Air Filter Paper Cartridge					1 /2						
	Replace Fuel Filler						1					

- 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

- Replace blades more often when mowing in sandy soil.
 Not required if equipped with maintenance-free battery
 Tighten front axle pivot bolt to 35 ft.-ibs. maximum.
 Do not overtighten

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.

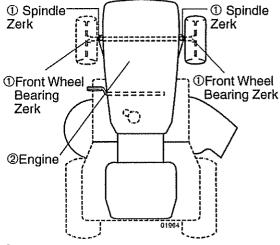
At least once a season, check to see if you should make any of the adjustments described in the Service and Adjustments section of this manual.

 At least 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.
- 2. Check brake operation.
- Check tire pressure.
- 4. Check operator presence and interlock systems for proper operation.
- 5. Check for loose fasteners.

LUBRICATION CHART



- ① General Purpose Grease
- ② REFER TO Maintenance "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, powdered graphite type lubricant sparingly.

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" section 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.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, tire sealant may be purchased from your local parts dealer. Tire sealant also prevents tire dry rot and corrosion.

OPERATOR PRESENCE SYSTEM

Be sure operator presence and interlock systems are working properly. If your tractor does not function as described, repair the problem immediately.

- The engine should not start unless the brake pedal is fully depressed and attachement clutch control is in the disengaged position.
- When the engine is running, any attempt by the operator to leave the seat without first setting the parking brake should shut off the engine.
- When the engine is running and the attachment clutch is engaged, any attempt by the operator to leave the seat should shut off the engine.
- The attachment clutch should never operate unless the operator is in the seat.

BLADE CARE

For best results mower blades must be kept sharp. Replace bent or damaged blades.

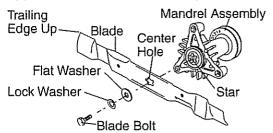
BLADE REMOVAL

- Raise mower to highest position to allow access to blades.
- 2. Remove blade bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.

IMPORTANT: To ensure proper assembly, center hole in blade must align with star on mandrel assembly.

- Reassemble blade bolt, lock washer and flat washer in exact order as shown.
- 5. Tighten blade bolt securely (27-35 Ft. Lbs. torque).

IMPORTANT: Blade bolt is heat treated. If bolt needs replacing, replace only with approve bolt shown in the Repair Parts.



TO SHARPEN BLADE

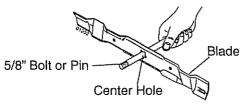
NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

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.)

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

 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.



BATTERY

Your tractor 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.

Keep battery and terminals clean.

- Keep battery bolts tight.
- Keep small vent holes open.
- Recharge at 6-10 amperes for 1 hour.
 NOTE: The original equipment battery on your tractor is maintenance free. Do not attempt to open or remove caps or covers.
 Adding or checking level of electrolyte is not necessary.

TO CLEAN BATTERY AND TERMINALS Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor.
- Rinse the battery with plain water and dry.
- Clean terminals and battery cable ends with wire brush until bright.
- 4. Coat terminals with grease or petroleum jelly.
- 5. Reinstall battery (See "REPLACING BATTERY" in the Service and Adjustments section of this manual).

TRANSAXLE COOLING

The transmission fan and cooling fins should be kept clean to assure proper cooling.

Do not attempt to clean fan or transmission while engine is running or while the transmission is hot. To prevent possible damage to seals, do not use high pressure water or steam to clean transaxle.

- Inspect cooling fan to be sure fan blades are intact and clean.
- Inspect cooling fins for dirt, grass clippings and other materials. To prevent damage to seals, do not use compressed air or high pressure sprayer to clean cooling fins.

TRANSAXLE PUMP FLUID

The transaxle was sealed at the factory and fluid maintenance is not required for the life of the transaxle. Should the transaxle ever leak or require servicing, contact a Sears or other qualified service center.

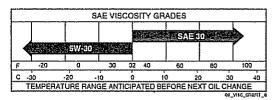
V-BELTS

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

ENGINE

LUBRICATION

Only use high quality detergent oil rated with API service classification SF-SJ. 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, they 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 every 50 hours of operation or at least once a year if the tractor is not used for 50 hours in one year.

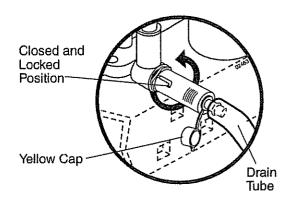
Check the crankcase oil level before starting the engine and after each eight (8) hours of operation. Tighten oil fill cap/dipstick securely each time you check the oil level.

TO CHANGE ENGINE OIL

Determine temperature range expected before oil change. All oil must meet API service classification SF-SJ.

- Be sure tractor is on level surface.
- Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill cap/dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Remove yellow cap from end of drain valve and install the drain tube onto the fitting.

Oil Drain Valve



- 3. Unlock drain valve by pushing inward slightly and turning counterclockwise.
- 4. To open, pull out on the drain valve.
- 5. After oil has drained completely, close and lock the drain valve by pushing inward and turning clockwise until the pin is in the locked position as shown.
- 6. Remove the drain tube and replace the cap onto the end of the drain valve.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see "PROD-UCT SPECIFICATIONS" section of this manual.
- Use gauge on oil fill cap/dipstick for checking level. For accurate reading, tighten dipstick cap securely onto the tube before removing dipstick. Keep oil at "FULL" line on dipstick. Tighten cap onto the tube securely when finished.

ENGINE OIL FILTER

Replace the engine oil filter every season or every other oil change if the tractor is used more than 100 hours in one year.

AIR FILTER

Your engine will not run properly using a dirty air filter. Replace pre-cleaner after every 25 hours of operation or every season. Service paper cartridge every 100 hours of operation or every season, whichever occurs first.

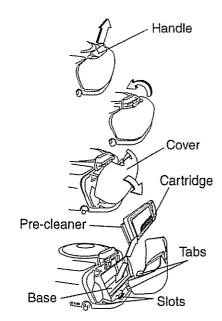
Service air cleaner more often under dusty conditions.

- 1. Pull up on air filter cover handle and rotate towards engine.
- 2. Remove cover.
- Carefully remove air filter cartridge and pre-cleaner from base.
- 4. Clean base carefully to prevent debris from falling into carburetor.

NOTE: If very dirty or damaged, replace cartridge.

- Place new pre-cleaner and cartridge firmly in base.
- 6. Align tabs on cover with slots in blower housing and replace cover.
- 7. Hook handle on cover and push down on handle to close.

IMPORTANT: Petroleum solvents, such as kerosene, are not to be used to clean the cartridge. They may cause deterioration of the cartridge. Do not oil cartridge. Do not use pressurized air to clean cartridge.

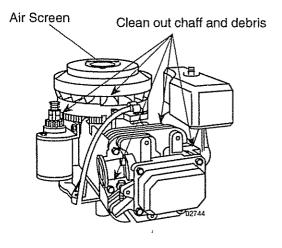


CLEAN AIR SCREEN

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 SYSTEM

Debris may clog the engine's air cooling system. Remove blower housing and clean area shown to prevent overheating and engine damage.



MUFFLER

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

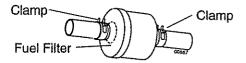
SPARK PLUG(S)

Replace spark plug(s) at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" section of this manual.

IN-LINE FUEL FILTER

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

- 1. With engine cool, remove filter and plug fuel line sections.
- Place new fuel filter in position in fuel line with arrow pointing towards carburetor.
- 3. Be sure there are no fuel line leaks and clamps are properly positioned.
- Immediately wipe up any spilled gasoline.



CLEANING

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

We do not recommend using a garden hose or pressure washer to clean your tractor unless the engine and transmission covered to keep water out. Water in engine or transmission will shorten the usful life of your tractor. Use compressed air or a leaf blower to remove grass, leaves and trash from tractor and mower.

SERVICE AND ADJUSTMENTS



WARNING: TO AVOID SERIOUS INJURY, BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- 1. Depress clutch/brake pedal fully and set parking brake.
- 2. Place motion control lever in neutral (N) position.
- 3. Place attachment clutch in "DISENGAGED" position.
- 4. Turn ignition key to "STOP" and remove key.
- 5. Make sure the blades and all moving parts have completely stopped.
- 6. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER

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

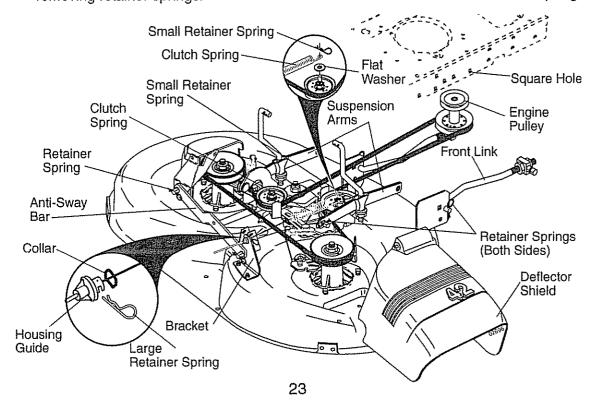
- 1. Place attachment clutch in "DISEN-GAGED" position.
- 2. Move attachment lift lever forward to lower mower to its lowest position.
- 3. Roll belt off engine pulley.
- 4. Remove small retainer spring, and remove clutch spring off pulley bolt.
- Remove large retainer spring, slide collar off and push housing guide out of bracket.
- 6. Disconnect anti-sway bar from chassis bracket by removing retainer spring.
- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- 8. 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 deck is to be mounted on the tractor, remove the front links and hook the clutch spring Into square hole in frame

TO INSTALL MOWER

- 1. Raise attachment lift lever to its highest position.
- Slide mower under tractor with deflector shield to right side of tractor.
- 3. Lower lift lever to its lowest position.
- 4. Connect front links to mower deck and secure with retainer springs.
- Connect suspension arms to rear deck brackets and secure with retainer springs.
- Connect anti-sway bar to chassis bracket and secure with retainer spring.



- 7. Push clutch cable housing guide into bracket, slide collar onto guide and secure with large retainer spring.
- Place flat washer and clutch spring on idler pulley bolt and secure with small retainer spring.
- 9. Install belt onto engine pulley.

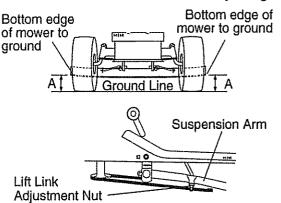
TO LEVEL MOWER HOUSING

Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PROD-UCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower. SIDE-TO-SIDE ADJUSTMENT

- · Raise mower to its highest position.
- At the midpoint of both sides of mower, measure height from bottom edge of mower to ground. Distance "A" on both sides of mower should be the same or within 1/4" of each other.
- If adjustment is necessary, make adjustment on one side of mower only.
- To raise one side of mower, tighten lift link adjustment nut on that side.
- To lower one side of mower, loosen lift link adjustment nut on that side.

NOTE: Each full turn of adjustment nut will change mower height about 1/8".

Recheck measurements after adjusting.

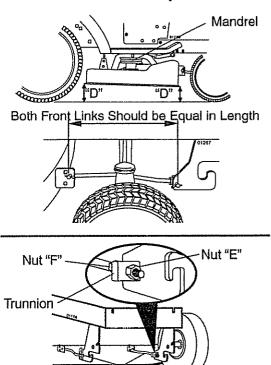


FRONT-TO-BACK ADJUSTMENT IMPORTANT: Deck must be level side-to side. If the following front-to-back adjustment is necessary, be sure to adjust both front links equally so mower will stay level side-to-side.

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/8" to 1/2" 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.
- 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 1/8" to 1/2" 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. The two front links must remain equal in length.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nut "F" against trunnion on both front links.
- · Recheck side-to-side adjustment.



TO REPLACE MOWER BLADE DRIVE BELT

Front Links

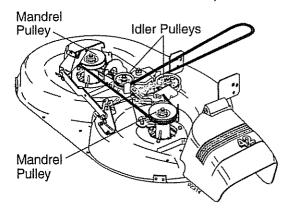
The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake.

BELT REMOVAL -

- Remove mower from tractor (See "TO REMOVE MOWER" in this section of manual).
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.

BELT INSTALLATION -

- 1. Work belt around both mandrel pulleys and idler pulleys
- 2. Make sure belt is in all pulley grooves and inside all belt guides.
- 3. Install mower (See "To Install Mower" in this section of this manual).



TO CHECK AND ADJUST BRAKE

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

If tractor requires more than five (5) feet to stop at highest speed in highest gear on a level, dry concrete or paved surface, then brake must be checked and adjusted.

TO CHECK BRAKE

- Park tractor on a level, dry concrete or paved surface, depress clutch/brake pedal all the way down and engage parking brake.
- Disengage transmission by placing freewheel control in "transmission disengaged" position. Pull freewheel control out and into the slot and release so it is held in the disengaged position.

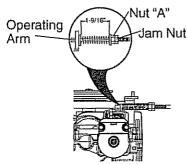
The rear wheels must lock and skid when you try to manually push the tractor forward. If the rear wheels rotate, the brake needs to be adjusted or the pads need to be replaced.

TO ADJUST BRAKE

- 1. Depress clutch/brake pedal all the way down and engage parking brake.
- 2. Measure distance between brake operating arm and nut "A" on brake rod.
- 3. If distance is other than 1-9/16", loosen jam nut and turn nut "A" until distance becomes 1-9/16". Retighten jam nut against nut "A".
- 4. Engage transmission by placing freewheel control in "transmission engaged" position.

5. Road test tractor for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than five (5) feet in highest gear, further maintenance is necessary. Replace brake pads or contact a Sears or other qualified service center.

With parking brake "Engaged"



TO REPLACE MOTION DRIVE BELT

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

BELT REMOVAL -

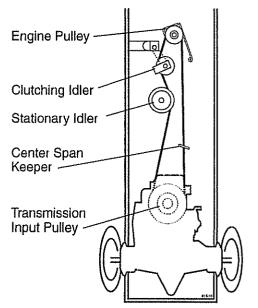
1. Remove mower (See "TO REMOVE MOWER" in this section of manual).

NOTE: Observe entire motion drive belt and position of all belt guides and keepers.

- 2. Remove belt from stationary idler and clutching idler.
- 3. Remove belt downward from around engine pulley.
- 4. Pull belt slack toward rear of tractor. Carefully remove belt upwards from transmission input pulley.
- 5. Remove belt from center span keeper and pull belt away from tractor.

BELT INSTALLATION -

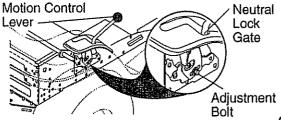
- Carefully work new belt down onto the input pulley.
- Slide belt into the center span keeper.
- Pull belt toward front of tractor and roll around the top groove of engine pulley.
- 4. Install belt through stationary idler and clutching idler.
- 5. Make sure belt is in all pulley grooves and inside all belt guides and keepers.
- Install mower (See "TO INSTALL MOWER" in this section of manual).



TRANSAXLE MOTION CONTROL LE-**VER NEUTRAL ADJUSTMENT**

The motion control lever has been preset at the factory and adjustment should not be necessary.

- 1. Loosen adjustment bolt in front of the right rear wheel, and lightly tighten.
- 2. Start engine and move motion control lever until tractor does not move forward or backward.
- 3. Hold motion control lever in that position and turn engine off.
- 4. While holding motion control lever in place, loosen the adjustment bolt.
- 5. Move motion control lever to the neutral (N) (lock gate) position.
- 6. Tighten adjustment bolt securely. NOTE: If additional clearance is needed to get to adjustment bolt, move mower deck height to the lowest position. After above adjustment is made, if the tractor still creeps forward or backward while motion control lever is in neutral position, follow these steps:
- Loosen the adjustment bolt.
- 2. Move the motion control lever 1/4 to 1/2 inch in the direction it is trying to creep.
- 3. Tighten adjustment bolt securely.
- 4. Start engine and test.
- 5. If tractor still creeps, repeat above steps until satisfied.



TRANSMISSION REMOVAL/ REPLACEMENT

Should your transmission require removal for service or replacement, it should be purged after reinstallation and before operating the tractor. See "PURGE TRANSMISSION" in the Operation section of this manual.

TO ADJUST STEERING WHEEL ALIGN-MENT

If steering wheel crossbars are not horizontal (left to right) when wheels are positioned straight forward, remove steering wheel and reassemble with crossbars horizontal. Tighten securely.

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 a Sears or other qualified service center.

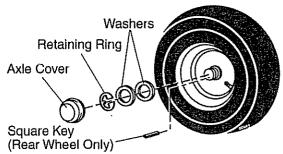
TO REMOVE WHEEL FOR REPAIRS

- 1. Block up axle securely.
- 2. Remove axle cover, retaining ring and washers to allow wheel removal (rear wheels have a square key - Do not lose).
- Repair tire and reassemble. NOTE: On rear wheels only: align

grooves in rear wheel hub and axle. Insert square key.

- 4. Replace washers and snap retaining ring securely in axle groove.
- Replace axle cover.

NOTE: To seal tire punctures and prevent flat tires due to slow leaks, purchase and use tire sealant from Sears. Tire sealant also prevents tire dry rot and corrosion.



TO START ENGINE WITH A WEAK BAT-TERY

AWARNING: 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. (See "BAT-TERY" in the MAINTENANCE section of 26^{this manual}).

If "jumper cables" are used for emergency starting, follow this procedure:

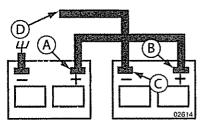
IMPORTANT: Your tractor is equipped with a 12 volt system. The other vehicle must also be a 12 volt system. Do not use your tractor battery to start other vehicles.

TO ATTACH JUMPER CABLES -

- Connect one end of the RED cable to the POSITIVE (+) terminal of each battery(A-B), taking care not to short against tractor chassis.
- Connect one end of the BLACK cable to the NEGATIVE (-) terminal (C) of fully charged battery.
- Connect the other end of the BLACK cable (D) to good chassis ground, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

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



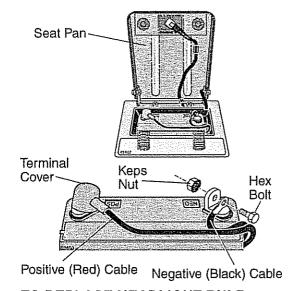
Weak or Dead Battery Fully Charged Battery

REPLACING BATTERY

WARNING: Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time. Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc.

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

- 1. Lift seat pan to raised position.
- Disconnect BLACK battery cable first then RED battery cable and carefully remove battery from tractor.
- 3. Install new battery with terminals in same position as old battery.
- First connect RED battery cable to positive (+) terminal with hex bolt and keps nut as shown. Tighten securely. Slide terminal cover over terminal
- Connect BLACK grounding cable to negative (-) terminal with remaining hex bolt and keps nut. Tighten securely.



TO REPLACE HEADLIGHT BULB

- 1. Raise hood.
- 2. 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.
- 4. Close hood.

INTERLOCKS AND RELAYS

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

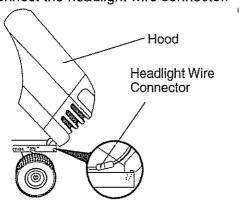
 Check wiring. See electrical wiring diagram in the Repair Parts section.

TO REPLACE FUSE

Replace with 20 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

TO REMOVE HOOD AND GRILL ASSEMBLY

- Raise hood.
- 2. Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt toward engine and lift off of tractor.
- 4. When replacing hood, be sure to reconnect the headlight wire connector.



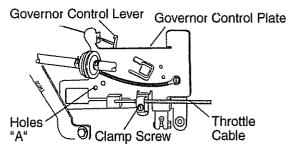
ENGINE

Maintenance, repair, or replacement of the emission control devices and systems, which are being done at the customers expense, may be performed by any non-road engine repair establishment or individual. Warranty repairs must be performed by an authorized engine manufacturer's service outlet.

TO ADJUST THROTTLE CONTROL CABLE

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.



TO ADJUST CARBURETOR

NOTE: The carburetor on this engine is low emission. It is equipped with an idle fuel adjusting needle with a limiter cap, which allows some adjustment within the limits allowed by the cap. Do not attempt to remove the limiter cap. The limiter cap cannot be removed without breaking the adjusting needle.

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.
- 2. Be sure the throttle control cable is adjusted properly (see above).

FINAL SETTING -(See "TO ADJUST THROTTLE CONTROL CABLE" in this section of the manual.)

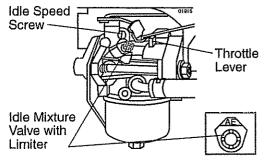
- 1. Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in neutral (N) position.
- Move throttle control lever to slow position. With finger, rotate and hold throttle lever against idle speed screw. Turn idle speed screw to attain 1750 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture valve full travel clockwise then 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 or 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 a Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.



STORAGE

Immediately prepare your tractor for storage at the end of the season or if the tractor 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 Maintenance section of this manual).
- Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual).
- 3. Lubricate as shown in the Maintenance 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 TER-MINALS" in the Maintenance section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

ENGINE

FUEL SYSTEM

IMPORTANT: It is important to prevent gum deposits from forming in essential fuel system parts such as carburetor, fuel hose, or tank during storage. Also, 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.

- Empty the fuel tank by starting the engine and letting 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 empty 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 Maintenance section of this manual). CYLINDER(S)

- Remove spark plug(s).
- 2. Pour one ounce of oil through spark plug hole(s) into cylinder(s).
- 3. 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 tractor indoors and cover it to give protection from dust and dirt.
- Cover your tractor 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 tractor to rust.

IMPORTANT: Never cover tractor while engine and exhaust areas are still warm.

TROUBLESHOOTING CHART: See appropriate section in manual unless directed to Sears service center

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. 	 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. Empty fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. Check all wiring. 			
	 Carburetor out of adjustment. Engine valves out of adjustment. 	See "To Adjust Carburetor" in Service and Adjustments section. Contact a Sears or other qualified service center.			
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. Empty fuel tank and refill tank with fresh, clean gasoline. Check all wiring. See "To Adjust Carburetor" in Service and Adjustments section. Contact a Sears or other qualified service center. 			
Engine will not turn over	 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 solenoid or starter. Faulty operator presence switch(es). 	 Depress 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 a Sears or other qualified service center. 			
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	 Cutting too much grass/too fast. Throttle in "CHOKE" position Build-up of grass, leaves and trash under mower. Dirty air filter. Low oil level/dirty oil. 	 Raise cutting height/reduce speed. Adjust throttle control. Clean underside of mower housing. Clean/replace air filter. Check oil level/change oil. 			

TROUBLESHOOTING CHART: See appropriate section in manual unless directed to Sears service center

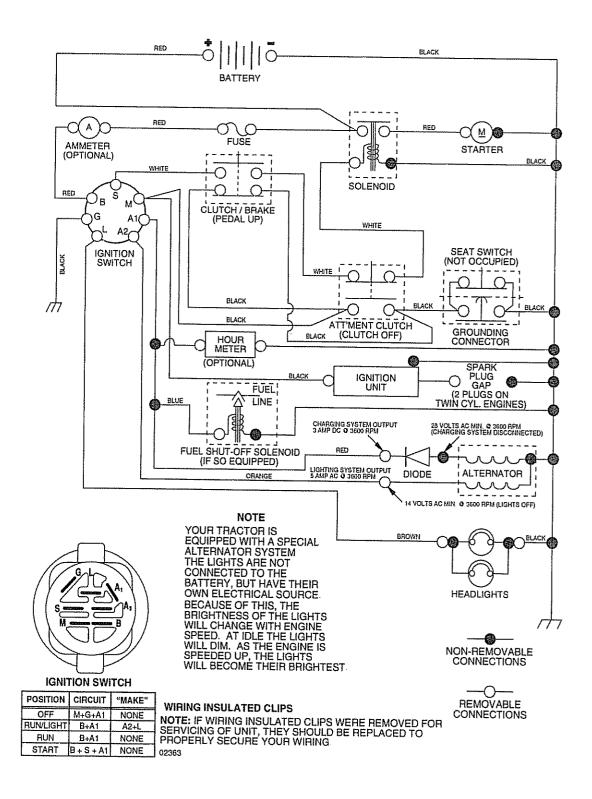
PROBLEM	CAUSE	CORRECTION
Loss of power (continued)	 Faulty spark plug. Dirty fuel filter. Stale or dirty fuel. Water in fuel. Spark plug wire loose. Dirty engine air screen/fins. Dirty/clogged muffler. Loose or damaged wiring. Carburetor out of adjustment 	 Clean and regap or change spark plug. Replace fuel filter. Empty fuel tank and refill tank with fresh, clean gasoline. Empty 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.
Excessive vibration	adjustment. 1. Worn, bent or loose blade. 2. Bent blade mandrel. 3. Loose/damaged part(s).	qualified service center. 1. Replace blade. Tighten blade bolt. 2. Contact a Sears or other qualified service center. 3. Tighten loose part(s). Replace damaged parts.
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 a Sears or other qualified service center.
Poor cut - uneven	 Worn, bent or loose blade. Mower deck not level. Buildup of grass, leaves, and trash under mower. Bent blade mandrel. Clogged mower deck vent from build-up of grass, leaves, and trash around mandrels. 	 Replace blade. Tighten blade bolt. Level mower deck. Clean underside of mower housing. Contact a Sears or other qualified service center. Clean around mandrels to open vent holes.
Mower blades will not rotate	 Obstruction in clutch mechanism. Worn/damaged mower drive belt. Frozen idler pulley. Frozen blade mandrel. 	 Remove obstruction. Replace mower drive belt. Replace idler pulley. Contact a Sears or other qualified service center.
Poor grass discharge	Engine speed too slow. Travel speed too fast.	Place throttle control in "FAST" position. Shift to slower speed.

TROUBLESHOOTING CHART: See appropriate section in manual unless directed to Sears service center

PROBLEM	CAUSE	CORRECTION
discharge	 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. 	 Allow grass to dry before mowing. Level mower deck. Check tires for proper air pressure. Replace/sharpen blade. Tighten blade bolt. 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.
Headlight(s) not working (if so equipped)	 Switch is "OFF". Bulb(s) or lamp(s) burned out. Faulty light switch. Loose or damaged wiring. Blown fuse. 	 Turn switch "ON". Replace bulb(s) or lamp(s). Check/replace light switch. Check wiring and connections. Replace fuse.
Battery 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.
Loss of drive	 Freewheel control in "disengaged" position. Motion drive belt worn, damaged, or broken. Air trapped in transmission during shipment or servicing. 	Place freewheel control in "engaged" position. Replace motion drive belt. Purge transmission.
Engine "backfires' when turning engine "OFF"	 1. Engine throttle control not se at "SLOW" position for 30 30 seconds before stopping engine 	t 1. Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

TRACTOR - - MODEL NUMBER 917.273402

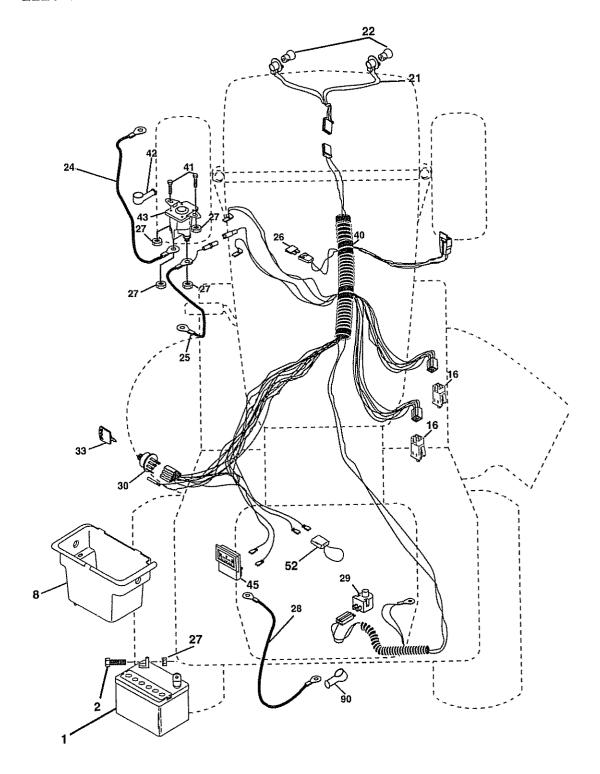
SCHEMATIC



REPAIR PARTS

TRACTOR -- MODEL NUMBER 917.273402

ELECTRICAL



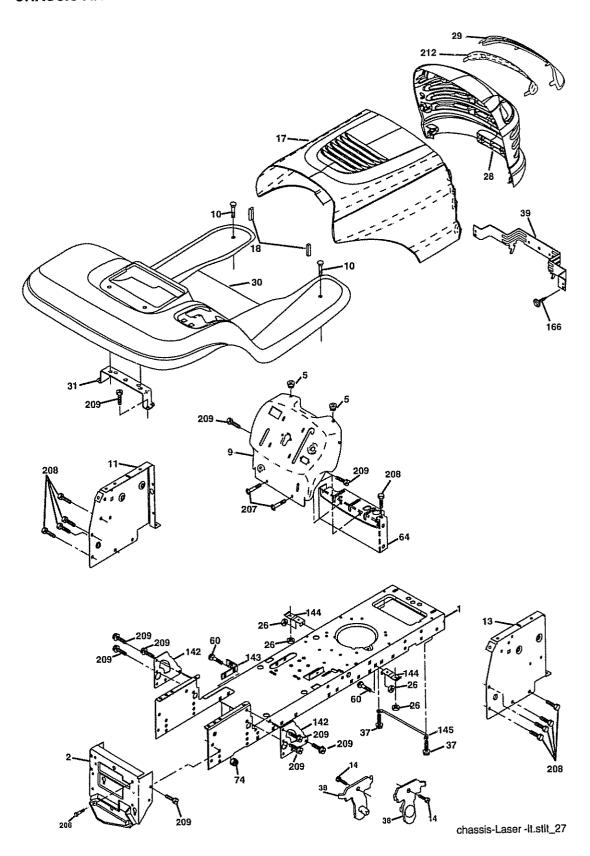
TRACTOR - - MODEL NUMBER 917.273402

ELECTRICAL

KEY	PART	
NO.	NO.	DESCRIPTION
1	163465	Battery
2	74760412	Bolt Hex Hd 1/4-20 unc x 3/4
8	176689	Box Battery Fender
16	176138	Switch, Interlock
21	183759	Harness Asm Light W/4152j
22	4152J	Bulb Light #1156
24	4799J	Cable Battery 6 Ga. 11" red
25	146147	Cable Battery 6 Ga. w/16 wire red
26	175158	Fuse 20 AMP
27	73510400	Nut Keps Hex 1/4-20 unc
28	4207J	Cable Ground 6 Ga. 12" black
29	121305X	Switch Plunger No Gray
30	175566	Switch Ign
33	140403	Key Ign
40	179720	Harness Ign
41	71110408	Bolt Blk. Fin Hex 1/4-20 unc x 1/2
42	131563	Cover Terminal Red
43		Solenoid
45	121433X	Ammeter Rectangular 6 Amp
52		Protection Wire Loop
90	180449	Cover Battery Fender

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

TRACTOR - - MODEL NUMBER 917.273402 CHASSIS AND ENCLOSURES

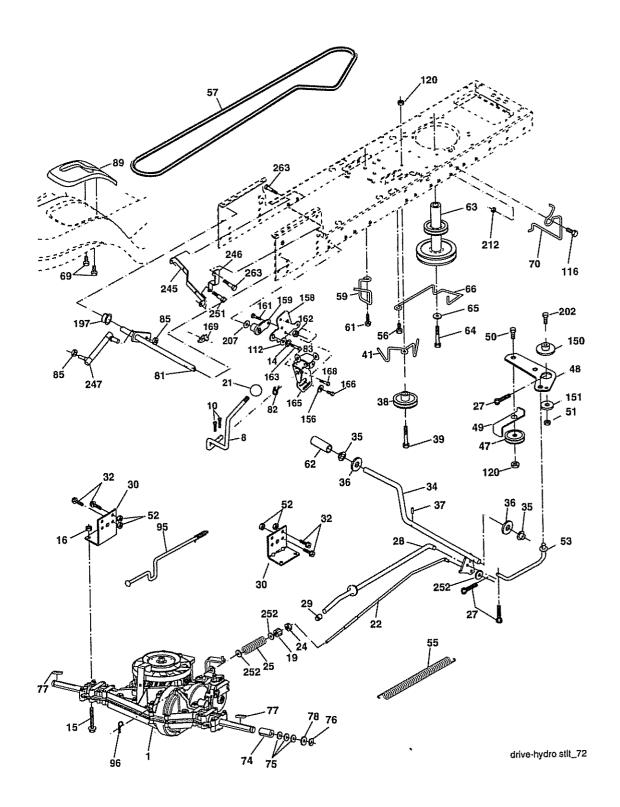


TRACTOR - - MODEL NUMBER 917.273402 CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION
1	174619	Chassis Stamping
2	176554	Drawbar
5	155272	Bumper Hood/Dash
9	187846X013	
10 11	STD533710	Bolt, Carriage 3/8-16 x 1
13	174996 172105X010	Panel, Dash, L.H.
14	17490608	Panel, Dash, R.H. Screw Thdrol 3/8-16 x 1/2
17	185682X558	Hood Assembly Laser
18	184921	Bumper Extrusion
26	STD541437	Nut
28	188636	Grille Lens Asm (Includes #'s 29 and 212)
30	188571X558	Fend/Ftrest Pnt STLT
31	139976	Bracket, Fender Support
37	17490508	Screw Thdrol 5/16-18 x 1/2 Tvt
38	175710	Bracket Asm. Pivot Mower Rear
39	174714	Bracket Pivot Laser
60	72140606	Bolt Rdhd Sqnk 3/8-16 unc x 3/4
64	154798	Dash Lower STLT
74	73680600 175702	Nut Crownlock 3/8-16 unc
142	186689	Plate Reinforcement STLT
144	175582	Bracket Swaybar Chassis
145	156524	Bracket Pnt Footrest STLT Jod Plvot Chassis/Hood
166		Screw 13-16 x 3/4
206		Bolt Shoulder 5/16 -18 TT
207		Screw Thdrol 5/16-18 x 1/2 TYTT
208		Screw Thdrol 3/8-16 x 1/2
209		Screw Hexwsh Thdr. 3/8-16 x 3/4 BI
212	175143	Insert Lens Reflective
	5479J	Plug, Button
	187801	Plug Dome Plastic

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

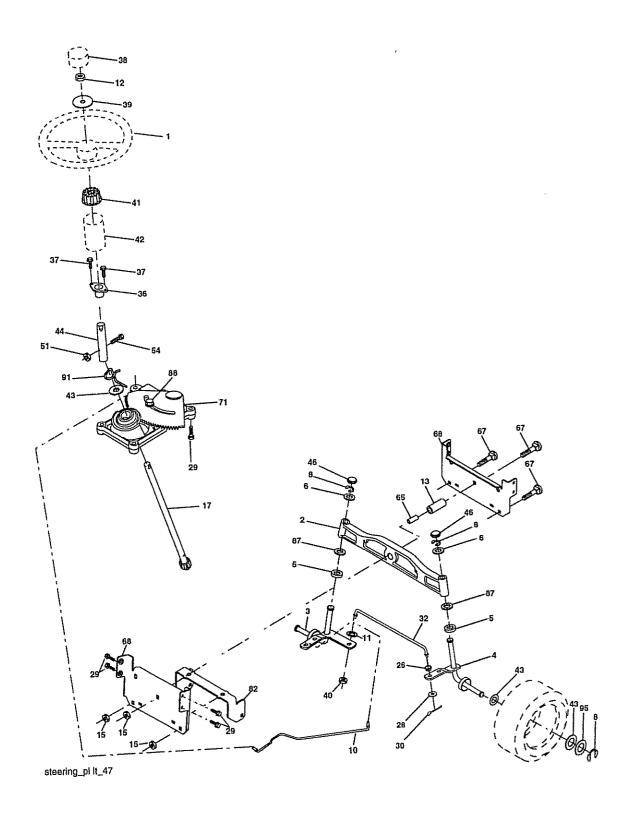
TRACTOR - - MODEL NUMBER 917.273402
GROUND DRIVE



GROUND DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1		Transaxle (See Breakdown) Peerless LTH2000	69	142432	Screw Hex Wsh HI-Lo 1/4 x 1/2 unc
8	165866	Rod Shift Fender Adjust	70	134683	Keeper Belt Engine
10	STD561210	Pin Cotter 1/8 x 1 CAD	74	137057	Spacer
14	10040400	Washer Lock Hvy Helical	75	121749X	Washer 25/32 x 1-1/4 x 16 Ga
15	74490544	Bolt Hex FLGHD 5/16-18 Gr. 5	76	STD581075	E-Ring
16	STD541431	Nut Lock Hex W/Ins.	77	123583X	Key, Square
4.5		5/16-18 unc	78	121748X	Washer 25/32 x 1-5/8 x 16 Ga
19	STD541437	Nut Lock Hex W/Wsh 3/8-16 unc	81	178140	Shaft Asm Cross Tapered
21	130564	Knob	82	165711	Spring Torsion
22	178141	Rod, Brake	83	19171216	Washer 17/32 x 3/4 x 16 Ga.
24	73350600	Nut, Hex Jam 3/8-16 unc	85	150360	Nut Lock Center 1/4-28 FNTHD
25	106888X	Spring, Brake Rod	89	188309X428	Console, Shift
27	STD561210	Pin Cotter 1/8 x 3/4 CAD.	95	178134	Disconnect Asm Rod Bypas LTH
28 29	175765	Rod, Parking Brake	96	4497H	Retainer Spring 1" Zinc/Cad
	71673	Cap, Parking Brake	112	19091210	Washer 9/32 x 3/4 x 10 Ga
30 32	174973	Bracket, Transaxle	116	72140608	Bolt Rdhd Saneck 3/8-16 x 1
32 34	74760512 175578	Bolt Hex Hd 5/16-18 unc x 3/4	120	73900600	Nut Lock Flg 3/8-16
35	120183X	Shaft, Foot Pedal	150	175456	Spacer Retainer
36	19211616	Bearing, Nylon Washer	151	19133210	Washer 13/32 x 2 x 10 Ga.
37	1572H	Pin, Roll	156	166002	Washer Strted 5/16 ID x 1.125
38	179114	Pulley, Composite	158 159	165589	Bracket Shift Mount
39	72110622	Bolt 3/8-16 x 2-3/4 Gr. 5	161	183900 72140406	Hub Shift
41	175556	Keeper, Belt Idler	101	72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr. 5
47	127783	Pulley, Idler, V-Groove	162	73680400	Nut Crownlock 1/4-20 unc
48	154407	Bellcrank, Clutch	163	74780416	Bolt Hex Fin 1/4-20 unc x 1 Gr. 5
49	123205X	Retainer, Belt	165	165623	Bracket Pivot Lever
50	72110612	Bolt Carr Sh 3/8-16 x 1-1/2 Gr. 5	166	17490510	Screw 5/16-18 x 5/8
51	STD541437	Nut Crownlock 3/8-16 unc	168	165492	Bolt Shoulder 5/16-18 x .561
52	STD541431	Nut, Crownlock 5/16-18 unc	169	165580	Plate Fastening
53	105710X	Link, Clutch	197	169613	Nyliner Snap-in 5/8"ID
55 56	105709X	Spring, Return, Clutch	198	169845	Washer Nyl
57	17060620	Screw 3/8-16 x 1-1/4	202	72110614	Bolt Carr Śh 3/8-16 x 1-3/4 Gr.5
57 59	178138 169691	V-Belt	212	145212	Nut Hex Flange Lock
61	17120614	Keeper, Center Span Screw 3/8-16 x .875	245	178122	Strap Torque Lh LTH2000
62	8883R	Cover, Pedal	246	178121	Strap Torque Rh LTH2000
63	175410	Pulley, Engine	247 251	181463	Link Shift Transaxle LTH2000
64	173937	Bolt Hex 7/16-20 x 4 Gr 5	252	17060516 19131616	Screw 5/16-18 x 1
65	STD551143	Washer	263	17000612	Washer 13/32 x 1 x 16 Ga Screw 3/8-16 x 3/4
66	154778	Keeper Belt Engine Hydro	200	17000012	3018W 3/8-10 X 3/4
69	142432	Screw Hex Wsh Hi-Lo 1/4-1/2 unc	NOTE 1 inch	: All componen = 25.4 mm	t dimensions given in U.S. inches

TRACTOR - - MODEL NUMBER 917.273402 STEERING ASSEMBLY

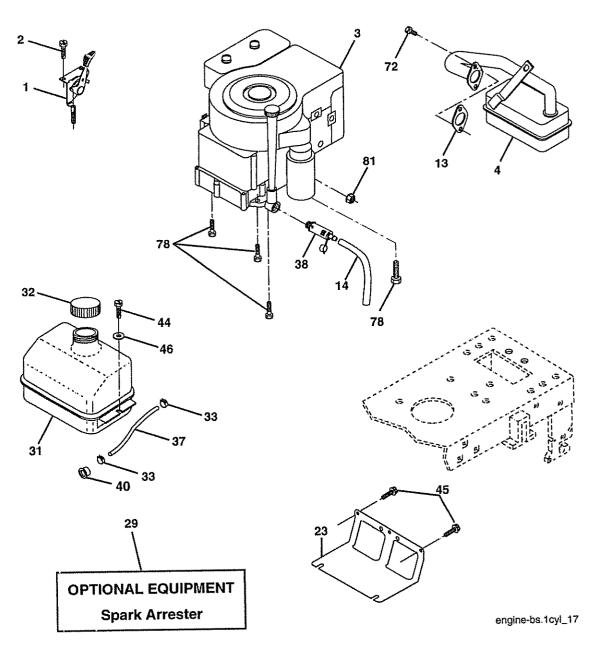


TRACTOR - - MODEL NUMBER 917.273402 STEERING ASSEMBLY

1 139768 Steering Wheel 2 184706 Axle Assembly 3 169840 Spindle Assembly, L.H. 4 169839 Spindle Assembly, R.H.	
2 184706 Axle Assembly	
3 169840 Spindle Assembly, L.H.	
4 169839 Spindle Assembly, R.H	
5 6266H Bearing, Race, Thrust, Hardened	
6 121748X Washer 25/32 x 1-5/8 x 16 Ga	
8 12000029 Ring, Klip	
10 175121 Draglink	
11 STD551137 Washer, Lock	
12 73940800 Nut Hex Jam Toplock 1/2-20 unf	
13 136518 Spacer Bearing Axle Front	
15 145212 Nut, Hex Flange Lock	
17 180641 Shaft Assembly, Steering 26 126847X Bushing Link Drag	
29 17000612 Screw 3/8-16 x 3/4 30 STD561210 Pin Cotter	
32 130465 Rod, Tie	
36 155099 Bushing, Steering	
37 152927 Screw	
38 139769 Insert, Steering Wheel	
39 19183812 Washer 9/16 x 2-3/8	
40 73540600 Nut Crownlock 3/8-24 unf	
41 186737 Adaptor, Steering Wheel	
42 145054X428 Boot, Steering Shaft	
43 121749X Washer 25/32 x 1-1/4 x 16 Ga	
44 180640 Extension Shaft Steering	
46 184946X505 Cap, Spindle	
51 73540400 Nut Crownlock 1/4-28	
54 71130420 Bolt Hex 1/4-28 unf x 1-1/4 Gr. 8 65 160367 Spacer Brace Axie	
Don't Die Odin Olo 10 X E- 174	
68 169827 Axle, Brace 71 175146 Steering Asm	
82 169835 Bracket Susp. Chassis Front	
87 173966 Washer Flat	
88 175118 Bolt Shoulder 7/16-20	
91 175553 Clip Steering	
95 188967 Washer Harden	

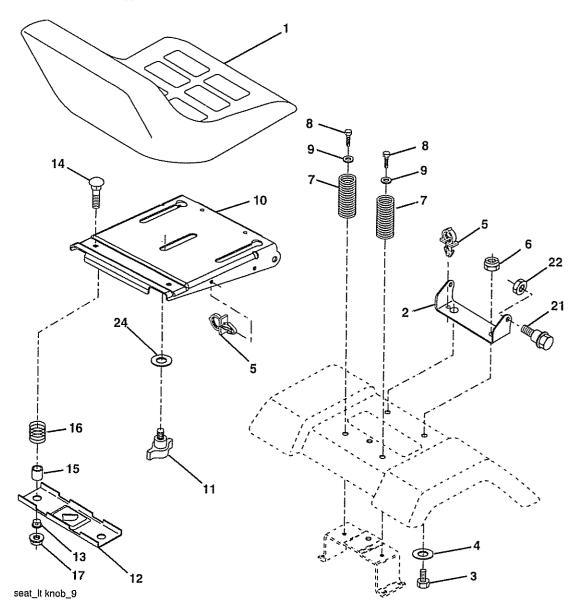
NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

ENGINE



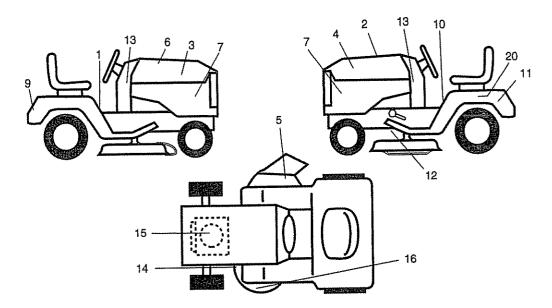
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3	170545 17720408	Control Throt /Ch Screw Hex Thd Cut 1/4-20 x 1/2 Engine (See Breakdown) Briggs Model 31H777-0297-E1	38 40 44	181654 124028X 17670412	Plug drain oil easy Bushing Snap Nyl Blk Fuel Line Screw Hexwsh Thdrol 1/4-20 x 3/4
4 13 14 23 29 31	137352 165291 148456 169837 137180 184900	Muffler Exhaust B&S Lt Gasket 1 313 ld Tin Plated Tube Drain oll easy Shield Browning/Debris Guard Arrestor Spark Tank Fuel 1 25 Fr	45 46 72 78 81	17000612 19091416 183906 17060620 73510400	Screw 3/8-16 x 3/4 Washer 9/32 x 7/8 x 16 Ga, Screw Socket Head 5/16-18 x 1 Screw 3/8-16 x 1-1/4 Nut Flange 1/4-20 Starter Nut
32 33 37	140527 123487X 137040	Cap Asm Fuel Clamp Hose Blk Line Fuel 20"		E: All compone n = 25.4 mm	ent dimensions given in U.S. Inches

TRACTOR -- MODEL NUMBER 917.273402 **SEAT ASSEMBLY**



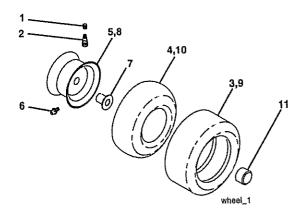
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
2 3 4 5 6 7 8 9 10	188716 180166 71110616 19131610 145006 STD541437 124181X 17000616 19131614 180186 166369 121246X	Seat Bracket Fender Plvot Bolt Fin Hex 3/8-16 unc x 1 Washer 13/32 x 3/4 x 10 Ga. Clip Push In Hinged Nut Hex Lock w/Ins 3/8-16 unc Spring Seat Cprsn 2 250 Blk Zi Screw 3/8-16 x 1 Washer 13/32 x 1 x 14 Ga. Pan Pnt Seat Knob Seat Adj Wingnut Bracket Pnt Mounting Switch	13 14 15 16 17 21 22 24 NOTE	121248X 72050412 134300 121250X 123976X 171852 STD541431 19171912 E: All componer	Bushing Snap Blk Nyl 50 Id Bolt Rdhd Sht Nk 1/4-20 x 1-1/2 Spacer Spllt 28 x 96 Zinc Spring Cprsn 1 27 Blk Pnt Nut Lock 1/4 Lge Flg Gr. 5 Zinc Bolt Shoulder 5/16-18 unc-2A Nut Hex Lock w/lns 5/16-18 Washer 17/32 x 1-3/16 x 12 Ga.

DECALS



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7 9 10 11	156811 190937 184728 184729 179128 133644 184730 184899 156439 138047 146046	Decal, Oper, Instr. Decal, Replacement Decal, Hood, R.H. Decal, Hood, L.H. Decal, Deck "B" 42" Decal, Customer Maintenance Decal Hood Side LT1000 Decal, Fender, Craftsman Decal, Fender Danger Decal, Battery Decal, V-Belt Drive Schematic	13 14 15 16 20	183827 160396 189100 172331 149516 178392 138311 184310X428 184311X428 191736 191737	Decal, Dash Panel Decal, V-Belt Schematic Decal, Engine Decal, Mower Hvy. Duty 12 Ga. Decal Battery Dngr/Psn Eng Decal, Disconnect Decal, Lift Handle Pad Footrest LH STLT Pad Footrest RH STLT Owner's Manual, English Owner's Manual, Spanish

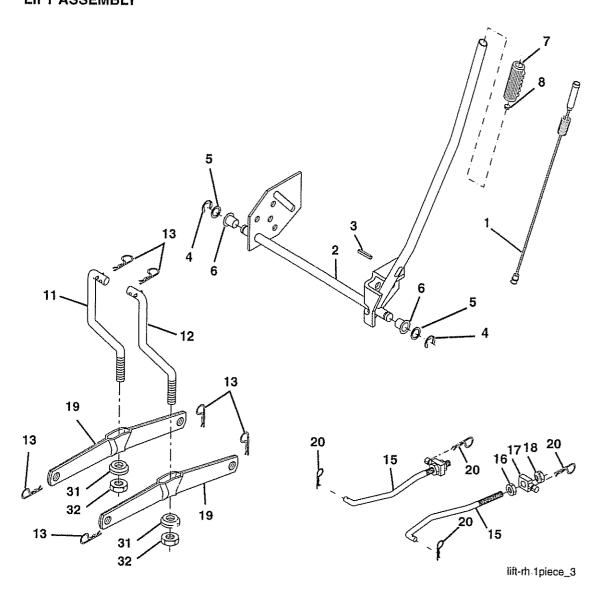
WHEELS & TIRES



KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap Value Tire
2	65139	Stem Value
3	106222X	Tire F Ts 15 x 6 0 - 6 Service
4	59904	Tube Inner Front #35060
5	106732X624	Rim Asm 6"front White Service
6	278H	Fitting Grease
7	9040H	Bearing Flange
8	106108X624	Rim Asm 8"rear White Service
9	106268X	Tire R Ts 18 x 9 5-8 Service
10	7152J	Tube Rear 9 5 x 8 Service
11	104757X428	Cap Axle Blk 1 50 x 1 00
~ ~	144334	Sealant, Tire (10 oz. tube)

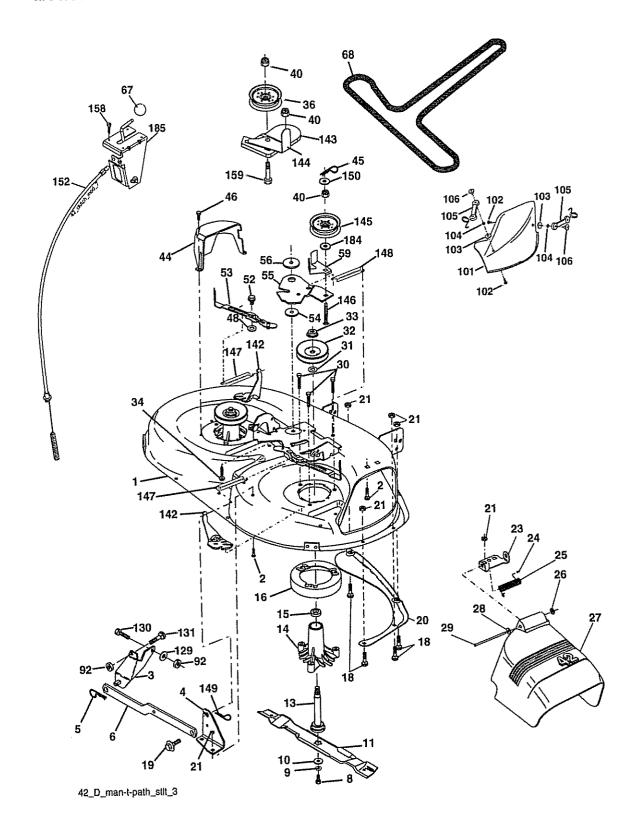
NOTE: All component dimensions given in U.S. Inches 1 inch = 25.4 mm

TRACTOR - - MODEL NUMBER 917.273402



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	159460	Washer Asm Inner Spring W/Plunger	13 15	STD624008	Retainer Spring
2	159471	Shaft Asm. Lift	16	173288 73350800	Link Front
3	105767X	Pin Groove	17	175689	Nut Jam Hex 1/2-13 unc
4	12000002	E Ring #5133-62	18	73800800	Trunnion
5	19211621	Washer 21/32 x 1 x 21 Ga.	19	139868	Nut Lock w/Wsh 1/2-13 unc
ě	120183X	Bearing Nylong	20	163552	Arm Suspension Mower Retainer Spring
7	125631X	Grip Handle Fluted	31	169865	Pearing But I is
8	122365X	Button Plunger Read	32	73540600	Bearing, Pvt. Lift Nut Crownlock 3/8-24
11 12	139865 139866	Link Asm Lift L.H. Link Asm Lift R.H.		: All componer = 25.4 mm	nt dimensions given in U.S. inches

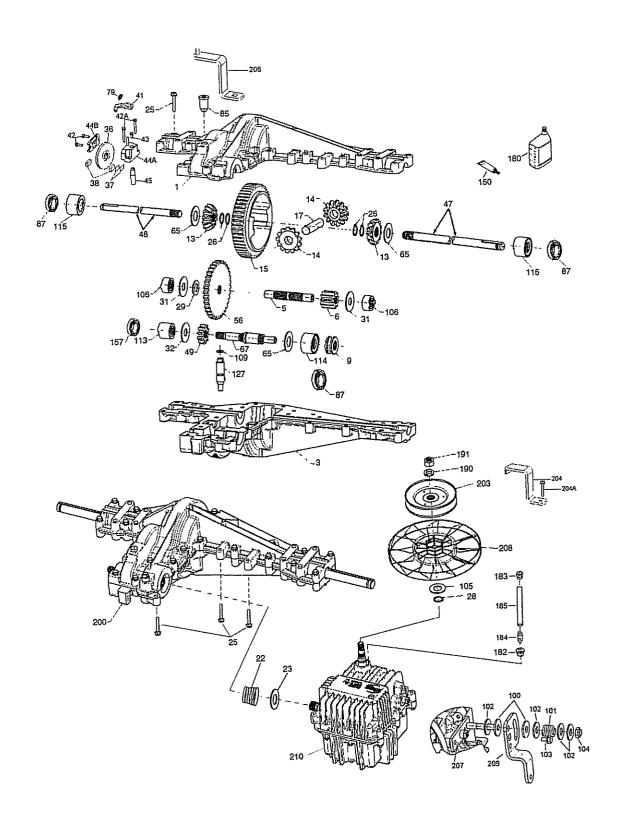
MOWER DECK



MOWER DECK

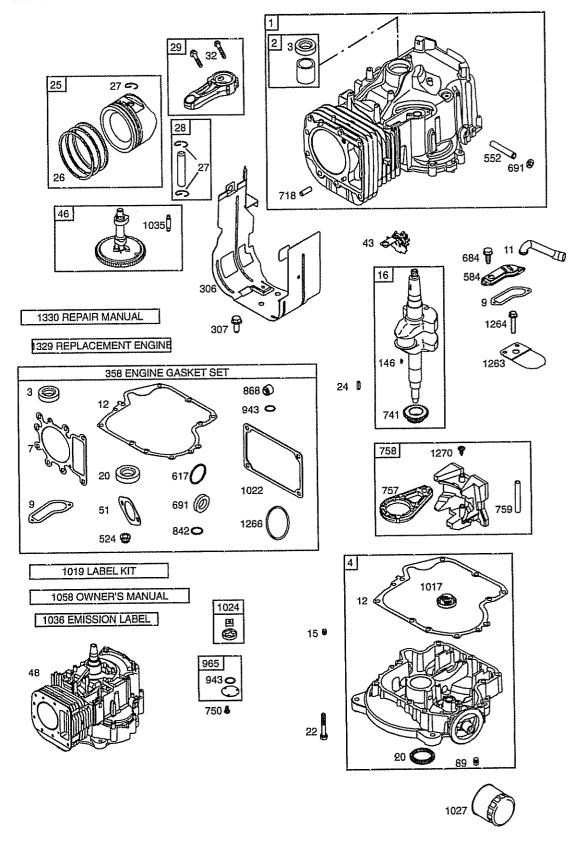
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	165892	Mower Deck Assembly, 42"	52	139888	Bolt, Shoulder 5/16-18 unc
2 3	STD533107	Bolt	53	184907	Arm Assembly, Pad, Brake
J	138017	Bracket Assembly,Sway Bar, Front	54 55	178515 155046	Washer, Hardened
4	165460	Bracket Sway Bar 38/42" Deck	56	165723	Arm, Idler Spacer, Retainer
5 6	STD624008	Retainer Spring	59	141043	Guard, TUV Idler
6	178024	Bar Sway Deck	67	149846	Knob Custom Oval
8 9	850857 CTD554407	Bolt, Hex 3/8-24 x 1.25 Gr. 8	68	144959	V-Belt
9 10	STD551137 140296	Washer, Lock	92 101	STD541437 136420	Nut
10	140230	Washer, Hardened (The following blades are	102	71081010	Mulcher Cover Screw
		available)	103	19061216	Washer #10
11	134149	Blade, 42" Mulching STD	104	STD551110	Washer, Lock
		(For mulching mowers only)	105	160793	Latch Assembly, Bagger
~ =	139775	Blade, 42" Mulching Premium	106	2029J	Nut, Weld
	138971	(For better wear when mulching)	129 130	19131312	Washer 13/32 x 13/16 x 12 Ga
	130371	Blade, 42" Hi-Lift (For bagging or discharging)	130	STD523710	Bolt, Fin Hex 3/8-16 unc x 1 Gr. 5
13	137645	Shaft Assembly, Mandrel, Vented	131	STD533710	Bolt, Rdhd Sqnk 3/8-16 unc x 1
14	128774	Housing, Mandrel, Vented	142	165890	Arm Spring Brake Mower
15	110485X	Bearing, Ball, Mandrel	143	157109	Bracket Arm Idler 42"
16	174493	Stripper, Vented Mower Deck	144	158634	Keeper Belt 42" Clutch Cable
		Bolt, Carriage 5/16-18 x 5/8			Pulley Idler Flat
					Bolt Carriage Idler
21					
23	177563	Bracket, Deflector	149		
	105304X	Cap, Sleeve	150	19091210	Washer 9/32 x 3/4 x 10 Ga
		Spring, Torslon, Deflector	152	169676	Cable Clutch 42 In
					Screw Hex Thd Cut 1/4-20 x 1/2
		Shield, Deflector			Bolt Rdhd Sqn 3/8-16 unc x 3/4
		Washer 11/32 x 5/8 x 16 Ga.			Washer 13/32 x 7/8 x 10 Ga.
		Screw Thorol Washer Hood			Mandral Assembly (Includes
31	187690			100704	Housing Shaft and Shaft
32	153535				Hardware Only-Pulley Not
33	178342	Nut, Toplock, Flanged			Included
34	72110612			169583	Replacement Mower, Complete
36	121404				(Std. Deck-Order separately
		Funey, Idler, Flat			mulcher cover components key
		Guard Mandrel I H			1105. 101-106)
46	137729		NOTE	: All componer	nt dimensions given in U.S.inches
48	133944	Washer, Hardened		1 inch = 25.4	
18 19 20 21 23 24 25 26 27 28 29 30 31 32 33 34 40 44 45 46	72140505 132827 159770 STD541431 177563 105304X 123713X 110452X 130968X428 19111016 131491 173984 187690 153535 178342 72110612 131494 73900600 140088 STD624003 137729	Bolt, Carriage 5/16-18 x 5/8 Bolt, Shoulder Baffle, Vortex Nut Crownlock 5/16-18 unc Bracket, Deflector Cap, Sleeve Spring, Torslon, Deflector Nut, Push Shleld, Deflector Washer 11/32 x 5/8 x 16 Ga. Rod, Hinge Screw Thdrol Washer Head Washer, Spacer Pulley, Mahdrel Nut, Toplock, Flanged Bolt Carr Sh. 3/8-16 x 1-1/2 Gr. 5 Pulley, Idler, Flat Nut Lock 3/8-16 unc Guard, Mandrel, L.H. Retainer Screw, Thd. Roll 1/4-20 x 5/8	145 146 147 148 149 150 152 158 159 184 185	165888 171977 131335 169022 165898 19091210 169676 17720408 72140614 19131410 188234 130794 169583	Pulley Idler Flat Bolt Carriage Idler Spring Extension Spring Return Idler Retainer Spring Yellow Zinc Washer 9/32 x 3/4 x 10 Ga. Cable Clutch 42 In Screw Hex Thd Cut 1/4-20 x 1/2 Bolt Rdhd Sqn 3/8-16 unc x 3/4 Washer 13/32 x 7/8 x 10 Ga. Head Asm. Cable Clutch Mandrel Assembly (Includes Housing, Shaft and Shaft Hardware Only-Pulley Not Included Replacement Mower, Complete (Std. Deck-Order separately mulcher cover components key nos. 101-106) at dimensions given in U.S.inches

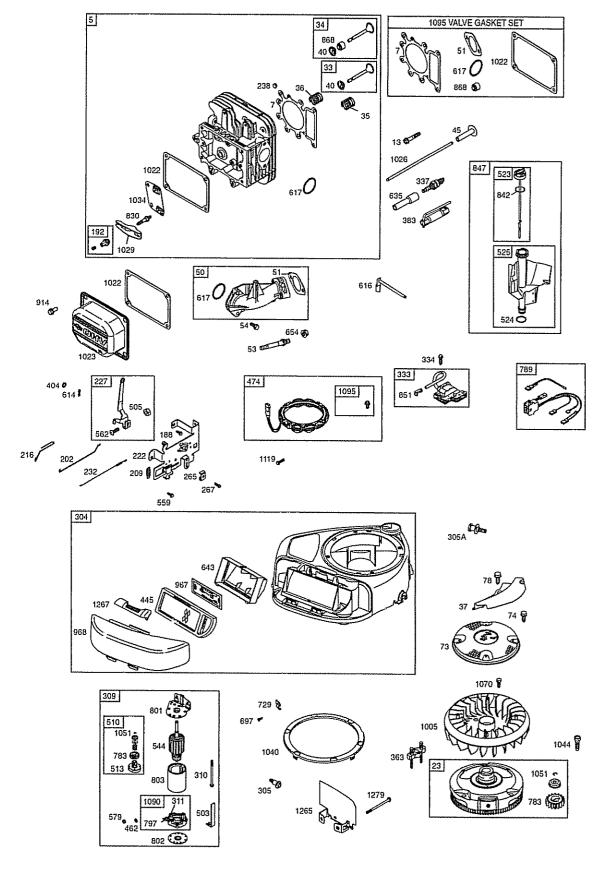
TRACTOR - - MODEL NUMBER 917.273402 PEERLESS TRANSAXLE - - MODEL NUMBER LTH2000

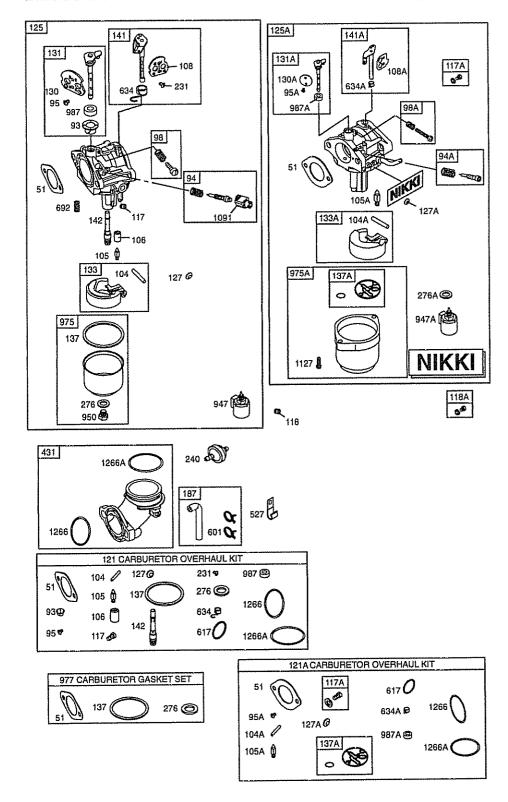


TRACTOR - - MODEL NUMBER 917.273402 PEERLESS TRANSAXLE - - MODEL NUMBER LTH2000

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
NO. 1 3 5 6 9 13 14 15 17 22 23 25 26 28 29 31 36 37	NO. 772151 770135 776355 778263 786197 778368 778368 778373 786139 792194 792195 792073A 792125 792035 780065 780189 790071 790007	Cover L.H. Case Counter Shaft Spur Gear 11T Neutral Sleeve (572) Bevel Gear (Incl. 14) (13 Teeth) Bevel Gear (Incl. 13) (13 Teeth) Hing Gear (54 Teeth) Drive Pin Spring Washer .750 ID Screw 1/4-20 x 1-1/4" Retaining Ring Retaining Ring Washer .627 ID .091W Washer .563 ID .062W Brake Disk Brake Pad Plate			Spacer .625 .765 Spring Oil Fill Plug Oil Seal 3/4" Washer .377ID .058W Snubber Washer Snubber Spring .47ID Washer .437ID .078W Screw, 1/4-28 x .490 Nut, 3/8-24 Washer .625 ID .057W Sleeve Assembly Screw, 1/4-20 x 1" "O" Ring Sleeve Ass'y (Incl. 157) Sleeve Ass'y (Incl. 87) Sleeve Assembly (Incl. 87) Sleeve Assembly (Incl. 87) Sleeve Assembly (Incl. 87) Shift Lever Ass'y (Incl. 109)
38 40	799021 792204	Brake Pad Roll Pin 25	150 157	788093A 788102	Liquid Gasket RTV Silicon Coll Seal 9/16"ID
41 42	790102 792202	Brake Lever Screw, 1/4-20 x 3/4	180 182	730229 788103	BOil Spec. (80W90) Grommet
42A	792203	Screw, 1/4-20 x 1-3/4	183	792118	Relief Valve
43	792171	Screw, 10-24 x 500	184	792196	Hose Barb
44A 44B	790100	Inside Brake (Mach)	185	798050	Tubing 1/2 x 5
44D 45	79009 9 790101	Outside Brake (Casting) Actuator Rod	190 191	792150	Washer
47	774869	Axle 16.812	200	792151 794787	Nut 7/16-20 Differential (Gear Reduction
48	774688	Axle 11 625	200	704707	Drive)
49	778378	Spur Gear 18T	203	798044	Pulley & Hub Ass'y
56	778379	Spur Gear 81T	206	798055	Disconnect Lever
65 67	780195 776440	Washer 750ID 062W Brakeshaft	207	798053	Mounting Plate
Ų,	770440	Dianesilait	208 209	798040 798054	Fan Control Lever
			210	794788	Hydro Module LH Fender Con- trol





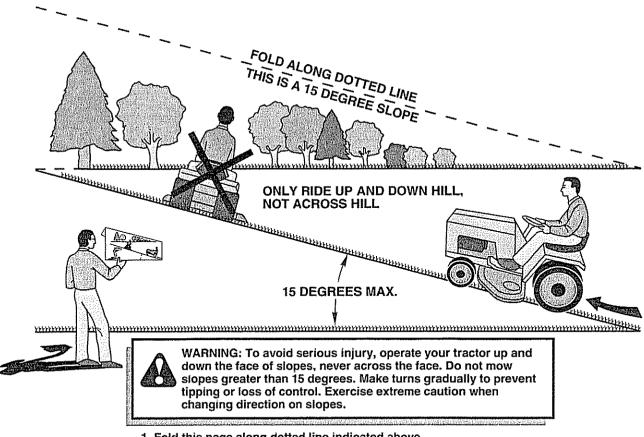


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	697174	Cylinder Assembly	106	690577 Ø	Seat-Inlet
2	399265	Kit-Bushing/Seal (Magneto Side)	108	690464	Valve-Choke (Manual Choke)
3	391086 •	Seal-Oil (Magneto Side)	108A	695419	Valve-Choke (Nikki)
4 5	697188 698147	Sump-Engine Head-Cylinder	117 117A	694352 Ø 699457 Ø	Jet-Main (Standard) Jet-Main (Standard) (Nikki)
7	699168 •+	Gasket-Cylinder Head	118	697228	Jet-Main (Standard) (Nikki) Jet-Main (High Altitude)
9	697109 •	Gasket-Breather	118A	699458	Jet-Main (High Altitude) (Nikki)
11	697113	Tube-Breather	121	697241	Kit-Carburetor Overhaul
12	697110 •	Gasket-Crankcase	121A	699521	Kit-Carburetor Overhaul (Nikki)
13	690360	Screw (Cylinder Head)	125	698445	Carburetor
15	690946	Plug-Oil Drain	125A		Carburetor (For Complete
16	697127	Crankshaft			Carburetor, Service with
20	690947 •	Seal-Oil (PTO Side)	107	COLOGE	698445)
22 23	692125 693557	Screw (Crankcase Cover/Sump) Flywheel	127 127A	695005 690727 Ø	Plug-Welch Plug-Welch (Nikki)
24	222698	Key-Flywheel	130	691750	Plug-Welch (Nikki) Valve-Throttle
25	699052	Piston Assembly (Standard)	130A		Valve-Throttle (Nikki)
	699054	Piston Assembly (.020"	131	494379	Kit-Throttle Shaft
		Oversize)	131A		Kit-Throttle Shaft (Nikki)
26	699051	Ring Set (Standard)	133	494381	Float-Carburetor
	697559	Ring Set (020" Oversize)	133A	694914	Float-Carburetor (Nikki)
27	698469	Lock-Piston Pin	135	698780	Tube-Fuel Transfer
28	697099	Pin-Piston	137	281165 ؇	Gasket-Float Bowl
29	697126	Rod-Connecting (Standard)	137A		Gasket-Float Bowl (Nikki)
**	697263	Rod-Connecting (020"	141	495097	Kit-Choke Shaft (Manual Choke)
00	conoco	Undersize)	141A	698778	Kit-Choke Shaft (Nikki)
32 33	692852 695760	Screw (Connecting Rod) Valve-Exhaust	142	697140 Ø	Nozzle-Carburetor
34	695761	Valve-Exhaust Valve-Intake	146 187	691639 697098	Key-Timing Line-Fuel
35	691279	Spring-Valve (Intake)	188	691693	Screw (Control Bracket)
36	691279	Spring-Valve (Exhaust)	192	691986	Adjuster-Rocker Arm
37	697108	Guard-Flywheel	202	691841	Link-Mechanical Governor
40	691752	Retainer-Valve	209	692208	Spring-Governor
43	691968	Slinger-Governor/Oil	216	691840	Link-Choke
45	690564	Tappet-Valve	222	694042	Bracket-Control
46	698492	Camshaft	227	691374	Lever-Governor Control
48	697762	Short Block	231	691636	Screw (Choke Valve)
50	690193	Manifold-Intake	232	691842	Spring-Governor
51 53	690227	+ Gasket-Intake Stud (Carburetor)	238 240	691843	Cap-Valve
54	691148	Screw (Intake Manifold)	265	394358 691024	Filter-Fuel Clamp-Casing
73	697133	Screen-Rotating	267	695134	Screw (Casing Clamp)
74	697897	Screw (Rotating Screen)	276	692255 ؇	Washer-Sealing
78	691003	Screw (Flywheel Guard)	276A	695410	Washer-Sealing
89	690283	Plug-Oil	304	697783	Housing-Blower
93	690602 Ø	Bushing-Throttle Shaft	305	697102	Screw (Blower Housing)
94	498030	Kit-Idle Mixture	305A	697103	Screw (Blower Housing)
94A	695425	Kit-Idle Mixture (Nikki)	306	697107	Shield-Cylinder
95 95A	691636	Screw (Throttle Valve)	307	691003	Screw (Cylinder Shield)
98 98	690718 Ø 495800	Screw (Throttle Valve (Nikki) Kit-Idle Speed	•	Included in S	Ingine Gasket Set, Key No 358
98A	695408	Kit-Idle Speed (Nikki)	Ø		Carburetor Overhaul Kit, Key No.
104	690525 Ø	Pin-Float Hinge	~	121	and division of the man in they into.
104A	694918 Ø	Pin-Float Hinge (Nikki)	‡		Parburetor Gasket Set, Key. No.
105	231855 Ø	Valve-Float Needle	•	977	
105A	696136 Ø	Valve-Float Needle (Nikki)	+	Included in V	alve Gasket Set, Key No 1095

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

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
309	693551	Motor-Starter	868	690968 •+	Seal-Valve
310	690323	Bolt (Starter Motor)	914	690960	Screw (Rocker Cover)
311	497608	Brush Set	943	690589 •	Seal-O Ring (Oil Pump Cover)
333	495859	Armature-Magneto	947	694393	Solenoid-Fuel
334	691061	Screw (Magneto Armature)	947A	695423	Solenoid-Fuel (Nikki)
337	691043	Plug-Spark	950	691657	Screw (Float Bowl)
358	697191	Gasket Set-Engine	965	499613	Cover-Oll Pump
363	19203	Flywheel Puller	967	697015	Filter-Pre Cleaner
383	89838	Wrench-Spark Plug	968	697446	Cover-Air Cleaner
404	691691	Washer (Governor Crank)	975	495933	Bowl-Float
431	697122	Elbow-Intake	975A	699502	Bowl-Float (Nikki)
445	697634	Filter-Air Cleaner Cartridge	977	690192	Gasket Set-Carburetor
462	691261	Washer (Starter Cable)	987 987A	691326 Ø 698777 Ø	Seal-Throttle Shaft Seal-Throttle Shaft (Nikki)
474	696459	Alternator Stran Startor	1005	697111	Fan-Flywheel
503	691532	Strap-Starter	1003	690770	Screen-Oil Pump
505 510	691251 693699	Nut (Governor Control Lever) Drive-Starter	1019	698814	Kit-Label
513	692024	Clutch-Drive	1022	272475 •+	Gasket-Rocker Cover
523	697086	Dipstick	1023	692492	Cover-Rocker Arm
524	691032 •	Seal-Dipstick Tube	1024	499054	Pump-Oil
525	697184	Tube-Dipstick	1026	692003	Rod-Push (Intake)
527	698467	Clamp-Tube		692011	Rod-Push (Exhaust)
544	692034	Starter-Armature	1027	492932	Filter-Oll
552	697144	Bushing-Governor Crank	1029	691751	Arm-Rocker
559	693675	Screw (Remote Choke Stop)	1034	690822	Gulde-Push Rod
562	691119	Bolt (Governor Control Lever)	1035	693784	Shaft-Pump
579	691029	Nut (Starter Cable)	1036	695700	Label-Emission
584	697112	Cover-Breather Passage	1040	698368	Plate-Trim
601	95162	Clamp-Hose	1044	698139	Screw (Flywheel)
614	691620	Pin-Cotter	1051	691265	Ring-Retaining Owner's Manual
616	692012	Crank-Governor	1058	275038	Kit-Screw/Washer
617	692138 Ø •	Seal-O Ring (Intake Manifold)	1059 1070	698516 690372	Screw (Flywheel Fan)
634	690801 Ø	Spring/Seal Assembly (Manual Choke)	1090	691293	Retainer-Brush
634A	698779 Ø	Spring/Seal Assembly (Nikki)	1091	691333	Cap-Limiter
635	691909	Boot-Spark Plug	1095	690190	Gasket Set-Valve
643	697417	Retainer-Air Filter	1119	691183	Screw (Alternator)
654	690958	Nut (Carburetor)	1127	695407	Screw-Float Bowl
684	697157	Screw (Breather Passage	1263	697124	Reed-Breather
		Čover)	1264	697104	Screw (Breather Reed)
691	692407 •	Seal-Governor Shaft	1265	697125	Support-Blower Housing
692	690572	Spring-Detent	1266	691917 Ø	Seal-O Ring (Intake Elbow)
697	690372	Screw (Drive Cap)		697123 Ø	Seal-O Ring (Intake Elbow)
718	690959	Pin-Locating	1267		Latch-Blower Housing Plug-AVS Counterweight
729	691224	Clip-Wire	1270	697156	Screw (Blower Housing Support)
741	697128	Gear-Timing	1279	690960	2 Replacement Engine
750	691033	Screw (Oil Pump Cover)	1329		Repair Manual
757	697607	Link-Counterweight	1330	272147	nepali Mariuai
758	697134	Counterweight		Induded in I	Engine Gasket Set, Key. No. 358
759	697392	Pin-Counterweight	ø		Carburetor Overhaul Kit, Key. No.
783	693713	Gear-Pinion	v)	121	Daibuletor Overhaur (ki, hoy. 110.
789	698329	Harness-Wiring	+		Carburetor Gasket Set, Key. No.
797	693167	Nut (Brush Retainer)	‡	977	outputotor adonor out, noy, mo.
801	691283	Cap-Drive	+		Valve Gasket Set, Key No. 1095
802	691286	Cap-End Housing-Starter	т	a moduou di	entre monthstat mary 120g. 1200 1200
803 830	693757 691095	Stud (Rocker Arm)	NOTE	: All compon	ent dimensions given in U.S. Inches
842	691031 •	Seal-O Ring (Dipstick Tube)		= 25.4 mm	
847	697611	Dipstick/Tube Assembly	, 11,031		
851	692424	Terminal-Spark Plug			

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



- 1. Fold this page along dotted line indicated above.
- 2. Hold page before you so that its left edge is vertically parallel to a tree trunk or other upright structure.
- 3. Sight across the fold in the direction of hill slope you want to measure.
- 4. Compare the angle of the fold with the slope of the hill.

Get it fixed, at your home or ours!

Your Home

For repair – in your home – of all major brand appliances, lawn and garden equipment, or heating and cooling systems, no matter who made it, no matter who sold it!

For the replacement parts, accessories and owner's manuals that you need to do-it-yourself.

For Sears professional installation of home appliances and items like garage door openers and water heaters.

1-800-4-MY-HOME® (1-800-469-4663)

www.sears.com

Anytime, day or night (U.S.A. and Canada) www.sears.ca

Our Home

For repair of carry-in products like vacuums, lawn equipment, and electronics, call or go on-line for the nearest

Sears Parts and Repair Center.

1-800-488-1222 Anytime, day or night (U.S.A. only) www.sears.com

To purchase a protection agreement (U.S.A.) or maintenance agreement (Canada) on a product serviced by Sears:

1-800-827-6655 (U.S.A.)

1-800-361-6665 (Canada)

Para pedir servicio de reparación a domicilio, y para ordenar piezas:

1-888-SU-HOGARSM (1-888-784-6427) Au Canada pour service en français: 1-800-LE-FOYER^{MC}

(1-800-533-6937) www.sears.ca



2410

[©] Sears, Roebuck and Co.

[®] Registered Trademark / Trademark / SM Service Mark of Sears, Roebuck and Co.

[®] Marca Registrada / TM Marca de Fábrica / SM Marca de Servicio de Sears, Roebuck and Co.

MC Marque de commerce / MD Marque déposée de Sears, Roebuck and Co.