Owner's Manual

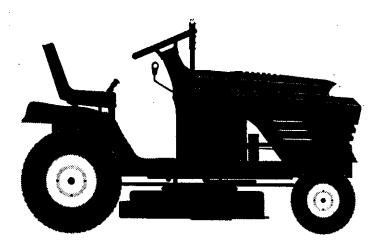
CRAFTSMAN®

20.5HP
ELECTRIC START
42" MOWER
6 SPEED TRANSAXLE
LAWN TRACTOR

EZ3

Model No. 917.270850

- Safety
- Assembly
- Operation
- Maintenance
- Repair Parts





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.

CAUTION:

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

1-800-659-5917

Sears Craftsman Help Line 5 am - 5 pm, Mon - Sat

Sears, Roebuck and Co., Hoffman Estates, II 60179 Visit our Craftsman website:www.sears.com/craftsman

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WARRANTY

LIMITED TWO YEAR 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 found to be defective in material or workmanship.

This Warranty does not cover:

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

LIMITED 90 DAY WARRANTY ON BATTERY

For 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. In-home warranty service on your Craftsman riding equipment is available at no charge for 30 days from the date of purchase. Please contact your nearest service center. After 30 days from the date of purchase, warranty service is available by taking your Craftsman riding equipment to your nearest Sears Service Center. (In-home warranty service will still be available after 30 days from the date of purchase but a standard trip charge will apply). This warranty applies only while this product is in the United States. This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

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

SAFETY 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.

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 quard 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.

SAFETY RULES

- · 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.

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.

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.

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.

SERVICE

3

- 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.

SAFETY RULES

- 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.
- 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.
- 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.

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

ACAUTION: 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.

- 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.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.

WARNING: The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

PRODUCT SPECIFICATIONS

GASOLINE CAPACITY AND TYPE: REGULAR OIL TYPE (API-SF/SG/SH): SAE 30(ABOVE 32°F (API-SF/SG/SH): SAE 5W-30 (BELOW 32°F) OIL CAPACITY: 3.0 PINTS SPARK PLUG: CHAMPION (GAP: .030") RJ19LM OR J19LM VALVE INTAKE: .004"006 CLEARANCE: EXHAUST:.007"009 GROUND SPEED FORWARD: (MPH): 1ST 1.2 2ND 1.5 3RD 2.4 4TH 3.5 5TH 4.8 6TH 5.4 REVERSE: 1.5 TIRE FRONT: 14 PSI
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REVERSE: 1.5 TIRE FRONT: 14 PSI
TIRE FRONT: 14 PSI
IDDECCLIDE: DEAD: .40 DOL
PRESSURE: REAR: 10 PSI
CHARGING 3 AMPS BATTERY
SYSTEM: 5 AMPS HEADLIGHTS
BATTERY: AMP/HR: 30
MIN. CCA: 240
CASE SIZE:U1R
BLADE BOLT 27-35 FT. LBS TORQUE:

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

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Authorized 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".

MAINTENANCE AGREEMENT

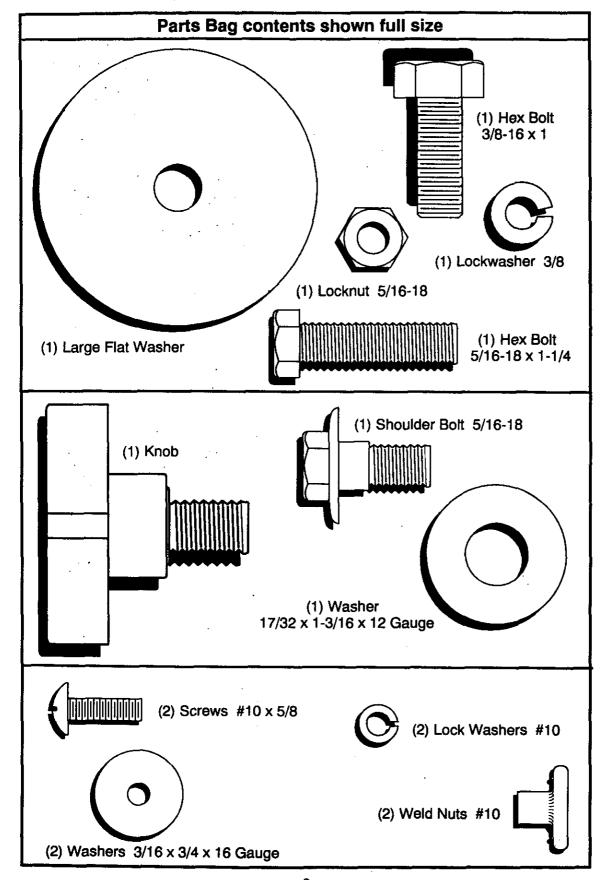
A Sears Maintenance Agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

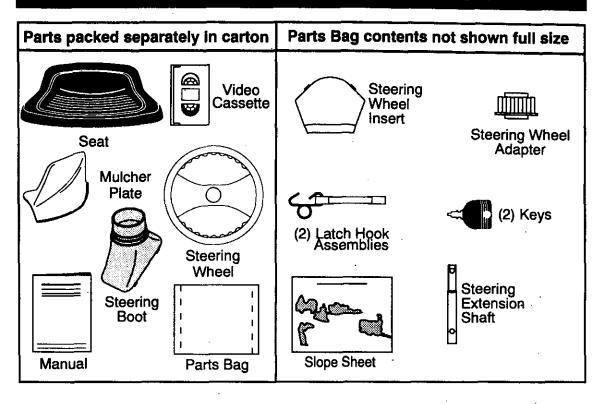
- · Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your tractor.
- Follow the instructions under "Maintenance" and "Storage" sections of this owner's manual.

A WARNING: This tractor is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brushcovered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest Sears Authorized Service Center/Department (See REPAIR PARTS section of this manual).

CONTENTS OF HARDWARE PACK



CONTENTS OF HARDWARE PACK



ASSEMBLY

Your new tractor has been assembled at the factory with exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tractor all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to insure 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) 9/16" wrench

(1) Pliers

(2) 1/2" wrench

(1) Utility knife

(1) 3/4" socket with drive ratchet

(1) Tire pressure gauge

(1) Phillips screwdriver

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

- Remove all accessible loose parts and parts boxes from shipping carton.
- Cut, from top to bottom, along lines on all four corners of shipping carton, and lay panels flat.
- Remove mower and packing materials.
- Check for any additional loose parts or boxes and remove.

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL

ASSEMBLE EXTENSION SHAFT AND BOOT

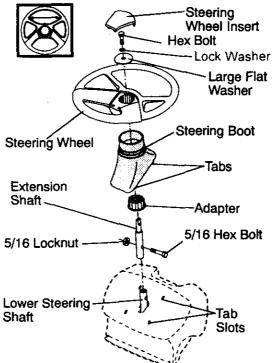
 Slide extension shaft onto lower steering shaft. Align mounting holes in extension and lower shafts and install 5/16 hex bolt and locknut. Tighten securely.

IMPORTANT: Tighten bolt and nut securely to 18-22 ft. lbs. torque.

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

INSTALL STEERING WHEEL

- Position front wheels of the tractor so they are pointing straight forward.
- Slide steering wheel adapter onto steering shaft extension.

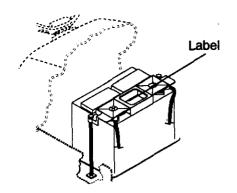


- Position steering wheel so cross bars are horizontal (left to right) and slide inside boot and onto adapter.
- Assemble large flat washer, 3/8 lock washer, 3/8 hex bolt and tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective materials from tractor hood 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 YOUR TRACTOR CHECK BATTERY

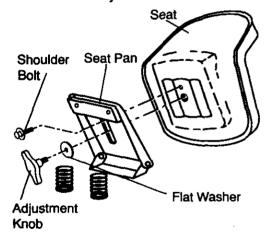
- Lift hood to raised position.
- If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps. (See "BATTERY" in Maintenance section of this manual for charging instructions).



INSTALL SEAT

Adjust seat before tightening adjustment

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



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.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in neutral (N) position.
- Roll tractor foward off skid.

 Remove banding holding discharge guard up against tractor.

TO DRIVE TRACTOR OFF SKID

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

- Be sure all the above assembly steps have been completed.
- Check engine oil level and fill fuel tank with gasoline.
- Sit on seat in operating position, depress clutch/brake pedal and set the parking brake.
- Place gear shift lever in neutral (N) position.
- 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.
- Depress clutch/brake pedal into full "BRAKE" position and hold. Move gearshift lever to 1st gear.
- Slowly release clutch/brake pedal and slowly drive tractor off skid.
- Apply brake to stop tractor, set parking brake and place gearshift lever in neutral position.
- Turn ignition key to "OFF" position. Continue with the instructions that follow.

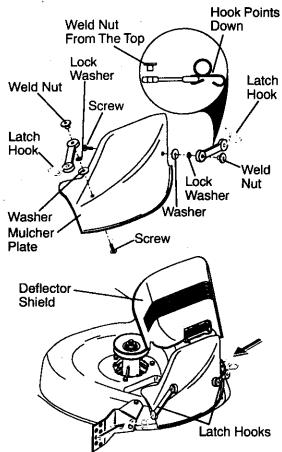
INSTALL MULCHER PLATE

 Install two latch hooks to mulcher plate using screw, washer, lock washer, and weld nut as shown.

NOTE: Pre-assemble weld nut to latch hook by inserting weld nut from the top with hook pointing down.

- Tighten hardware securely.
- Raise and hold deflector shield in upright position.
- Place front of mulcher plate over front of mower deck opening and slide into place, as shown.
- Hook front latch into hole on front of mower deck.
- Hook rear latch into hole on back of mower deck.

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



TO CONVERT TO BAGGING OR DISCHARGING

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

NOTE: It is not necessary to change blades. The mulcher 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 AND ENJOY 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.

WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRAATTENTION 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.

OPERATION

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



BATTERY



CAUTION OR WARNING



REVERSE



FORWARD



FAST



SLOW



ENGINE ON



ENGINE OFF



OIL PRESSURE



LIGHTS ON



OVER TEMP LIGHT



FUEL



CHOKE



MOWER HEIGHT



PARKING BRAKE LOCKED



UNLOCKED



MOWER LIFT



ATTACHMENT CLUTCH ENGAGED



REVERSE



NEUTRAL



HIGH



LOW



PARKING BRAKE



IGNITION



ATTACHMENT CLUTCH DISENGAGED





KEEP AREA CLEAR







SLOPE HAZARDS







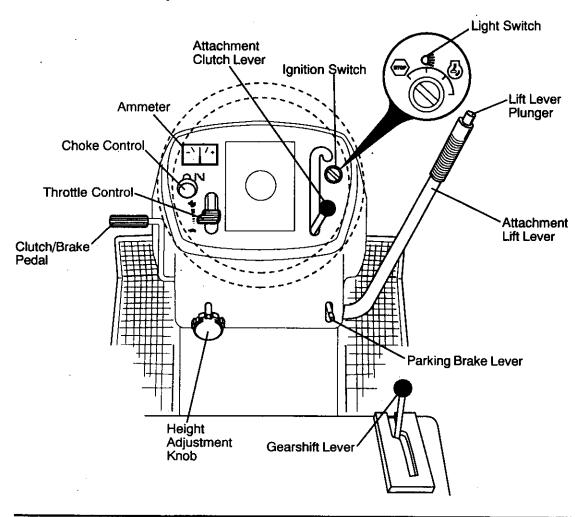
FREE WHEEL (Automatic Models only)



DANGER, KEEP HANDS AND FEET AWAY

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.

CHOKE CONTROL - Used when starting a cold engine.

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

GEARSHIFT LEVER - Selects the speed and direction of tractor.

HEIGHT ADJUSTMENT KNOB - Used to adjust the mower cutting height.

IGNITION SWITCH - Used for starting and stopping the engine.

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

LIGHT SWITCH - Turns the headlights on and off.

PARKING BRAKE LEVER - Locks clutch/brake pedal into the brake position. THROTTLE CONTROL - Used to control engine speed.



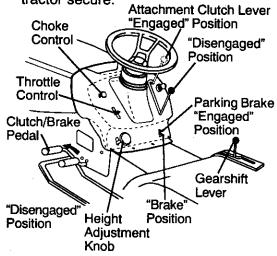
The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety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

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 into full "BRAKE" position and hold.

 Place parking brake lever in "EN-GAGED" position 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 into full "BRAKE" position.
- Move gearshift lever to neutral (N) position.

ENGINE -

- Move throttle control to slow position.
 NOTE: Failure to move throttle control to slow position and allowing engine to idle before stopping may cause engine to "backfire".
- Turn ignition key to "OFF" position and remove key. Always remove key when leaving tractor to prevent unauthorized use.

Never use choke to stop engine.
 IMPORTANT: Leaving the ignition switch in any position other than "OFF" will cause the battery to be discharged, (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.

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

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 USE CHOKE CONTROL

Use choke control whenever you are starting a cold engine. Do not use to start a warm engine.

 To engage choke control, pull knob out. Slowly push knob in to disengage.

TO MOVE FORWARD AND BACKWARD

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

- Start tractor with clutch/brake pedal depressed and gearshift lever in neutral (N) position.
- Move gearshift lever to desired position.
- Slowly release clutch/brake pedal to start movement.

IMPORTANT: Bring tractor to a complete stop before shifting or changing gears. Failure to do so will shorten the useful life of your transaxle.

TO ADJUST MOWER CUTTING HEIGHT

The cutting height is controlled by turning the height adjustment knob in desired direction.

Turn knob clockwise () to raise cutting height.

• Turn knob counterclockwise () to lower cutting height.

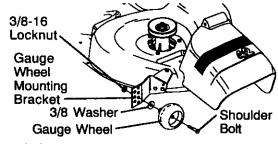
The cutting height range is approximately 1-1/2" to 4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

- 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 ADJUST GAUGE WHEELS

Gauge wheels are properly adjusted when they are slightly off the ground when mower is at the desired cutting height in operating position. Gauge wheels then keep the deck in proper position to help prevent scalping in most terrain conditions.

- Adjust gauge wheels with tractor on a flat level surface.
- Adjust mower to desired cutting height (See "TO ADJUST MOWER CUTTING HEIGHT" in the Operation section of this manual).
- With mower in desired height of cut position, gauge wheels should be assembled so they are slightly off the ground. Install gauge wheel in appropriate hole with shoulder bolt, 3/ 8 washer, and 3/8-16 locknut and tighten securely.
- Repeat for opposite side installing gauge wheel in same adjustment hole.

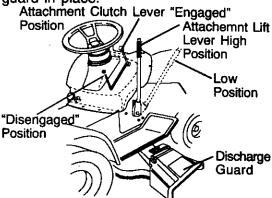


TO OPERATE MOWER

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.

- · Select desired height of cut.
- Lower mower with attachment lift control.
- Start mower blades by engaging attachment clutch control.
- TO STOP MOWER BLADES disengage attachment clutch control.

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



TO OPERATE ON HILLS

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

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

TO TRANSPORT

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

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 ATTACHMENTS

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.

BÉFORE STARTING THE ENIGNE CHECK ENGINE OIL LEVEL

- The engine in your tractor has been shipped, from the factory, already filled with summer weight oil.
- Check engine oil with tractor on level ground.
- Řemove 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 "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. 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 fresh-

IMPORTANT: When operating in temperatures below 32°F(0°C), use fresh, clean winter grade gasoline to help insure good cold weather starting. **A WARNING**: Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use

engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

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

TO START ENGINE

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.

- Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- Place gear shift lever in neutral (N) position.
- Move attachment clutch to "DISEN-GAGED" position.
- Move throttle control to fast position
- Pull choke control out for a coldengine start attempt. For a warm engine start attempt the choke control may not be needed.

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

 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, push choke control in, wait a few minutes and try again. If engine still does not start, pull the choke control out and retry.

WARM WEATHER STARTING (50° F and above)

- When engine starts, slowly push choke control in until the engine begins to run smoothly. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly.
- 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)

 When engine starts, slowly push choke control in until the engine begins to run smoothly. Continue to push the choke control in small steps allowing the engine to accept small changes in speed and load, until the choke control is fully in. If the engine starts to run roughly, pull the choke

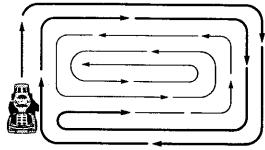
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- control out slightly for a few seconds and then continue to push the control in slowly. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.
- The attachments can be used during the engine warm-up period and may require the choke control be pulled out slightly.

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

MOWING TIPS

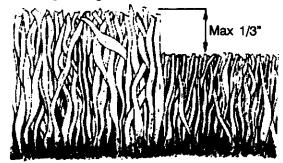
- Tire chains cannot be used when the mower housing is attached to tractor.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the 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 and the newly cut area will
 not be exposed to the direct sun.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades. For extremely heavy mulching, 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 or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.



MAINTENANCE

AS	MAINTENANCE SCHEDUL L IN DATES YOU COMPLETE GULAR SERVICE	E Ø	EFORE	VERY BY	IERY 2	AFER S	HOUR ERV'	S HOUR SO HOUR VERY SE	is or the	SER	VICE	DAT	res
	Check Brake Operation	1	/										
	Check Tire Pressure	1	1										
 _T ,	Check Operator Presence and Interlock Systems	~											
R	Check for Loose Fasteners	~				7		/					
ΙÀ	Sharpen/Replace Mower Blades			1									
١¥	Lubrication Chart			1				1					
Ιċ	Check Battery Level	L.		%									
R	Clean Battery and Terminals			1				1					
l	Check Transaxle Cooling			/									
	Adjust Blade Belt(s) Tension					1/5							
L	Adjust Motion Drive Belt(s) Tension					1/5							
	Check Engine Oil Level	~	1										
1	Change Engine Oil			1,2,3		l		1					
lε	Clean Air Filter			1 /2							Π	· .	
N	Clean Air Screen			1/2									
G	Inspect Muffler/Spark Arrester		T		1			Τ					
L	Replace Oil Filter (If equipped)					1,2					<u> </u>		
E	Clean Engine Cooling Fins			1		1/2		1					
-	Replace Spark Plug		1	T		1	1				<u> </u>		
	Replace Air Filter Paper Cartridge					1/2							
ľ	Replace Fuel Filter		T				1	T		1	T	<u> </u>	

- 1 Change more often when operating under a heavy load or in high ambient temperatures.
- 2 Service more often when operating in dirty or dusty conditions.
- 3 If equipped with oil filter, change oil every 50 hours 4 - Replace blades more often when mowing in sandy soil.
- 5 If equipped with adjustable system 6 - Not required if equipped with maintenance-free battery
 - 7 Tighten front ade pivot bolt to 35 ft,-lbs. 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.

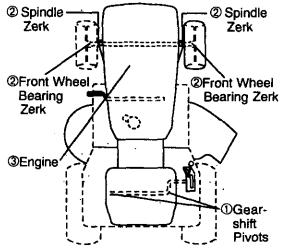
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

BEFORE EACH USE

- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check operator presence and interlock systems for proper operation.
- Check for loose fasteners.

LUBRICATION CHART



SAE 30 or 10w30 MOTOR OIL *QGENERAL PURPOSE GREASE* ③REFER 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.

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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 clutch/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.

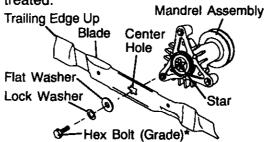
BLADE REMOVAL

- Raise mower to highest position to allow access to blades.
- Remove hex 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 hex bolt, lock washer and flat washer in exact order as shown.
- Tighten bolt securely (27-35 Ft. Lbs. torque).

IMPORTANT: Blade bolt is Grade 8 heat treated.



*A Grade 8 heat treated bolt can be identified by six lines on the bolt head.

TO SHARPEN BLADE

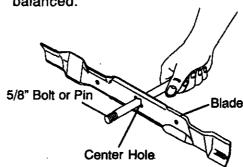
NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

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.

- Remove terminal guard.
- 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.
- Coat terminals with grease or petroleum jelly.
- Reinstall battery (See "REPLACING BATTERY" in the SERVICE AND ADJUSTMENTS section of this manual).

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.

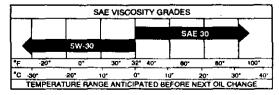
TRANSAXLE COOLING

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

ENGINE

LUBRICATION

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



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

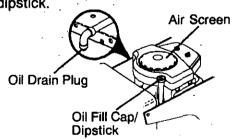
Change the oil after every 25 hours of operation or at least once a year if the tractor is not used for 25 hours in one year.

Check the crankcase oil level before starting the engine and after each eight (8) hours of 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. SG or SH.

- · 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 drain plug.
- After oil has drained completely, replace oil drain plug and tighten securely.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see "PRODUCT SPECIFICATIONS" section of this manual.
- Use gauge on oil fill cap/dipstick for checking level. Be sure dipstick cap is tightened securely for accurate reading. Keep oil at "FULL" line on dipstick.



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.

AIR FILTER

Your engine will not run properly using a dirty air filter. Clean the foam 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.

· Remove knob(s) and cover.

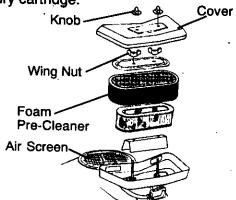
TO SERVICE PRE-CLEANER

- Slide foam pre-cleaner off cartridge.
- Wash it in liquid detergent and water.
- · Squeeze it dry in a clean cloth.
- Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.
- If very dirty or damaged, replace precleaner.
- Reinstall pre-cleaner over cartridge.
- Reinstall cover and secure with knob(s).

TO SERVICE CARTRIDGE

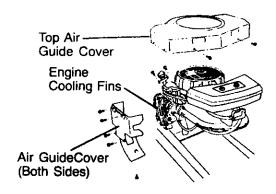
- · Remove wing nuts and cartridge plate.
- Carefully remove cartridge to prevent debris from entering carburetor.
- Clean cartridge by tapping gently on flat surface. If very dirty or damaged, replace cartridge.
- Reinstall cartridge plate, wing nuts, precleaner, cover and secure with knob(s).

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 or dry cartridge.



ENGINE COOLING FINS

Remove any dust, dirt or oil from engine cooling fins to prevent engine damage from overheating. Air guide covers must be removed. Remove side panels and hood (See "TO REMOVE HOOD AND GRILL ASSEMBLY" in the Service and Adjustments section of this manual).



MUFFLER

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

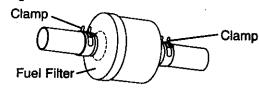
SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of 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.

- With engine cool, remove filter and plug fuel line sections.
- Place new fuel filter in position in fuel line with arrow pointing towards carburetor.
- 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 to clean your tractor unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in a shortened engine life.

SERVICE AND ADJUSTMENTS

ACAUTION: Before performing any service or adjustments:

Depress clutch/brake pedal fully and set parking brake.

Place gearshift lever in neutral (N) position.

Place attachment clutch in "DISENGAGED" position.

Turn ignition key "OFF" and remove key.

Make sure the blades and all moving parts have completely stopped.

 Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER

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

 Place attachment clutch in "DISEN-GAGED" position.

 Move attachment lift lever forward to lower mower to its lowest position.

Roll belt off engine pulley.

 Remove small retainer spring, and lift clutch spring off pulley bolt.

 Remove large retainer spring, slide collar off and push housing guide out of bracket.

 Disconnect anti-swaybar from chassis bracket by removing retainer spring.

 Disconnect suspension arms from rear deck brackets by removing retainer springs.

Disconnect front links from deck by removing retainer springs.

 Raise lift lever to raise suspension arms. Slide mower out from under tractor. **IMPORTANT:** If an attachment other than the mower deck is to be mounted on the tractor, remove the front links and hook the clutch spring onto square hole in frame.

TO INSTALL MOWER

Raise attachment lift lever to its highest position.

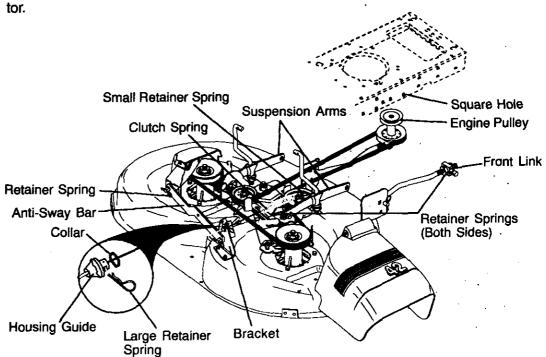
 Slide mower under tractor with discharge guard to right side of tractor.

Lower lift lever to its lowest position.

 Install mower in reverse order of removal instructions.

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.

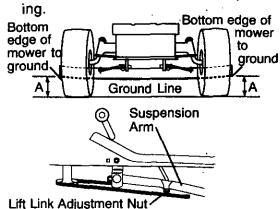


SIDE-TO-SIDE ADJUSTMENT

- 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 adjust-



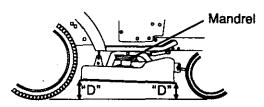
FRONT-TO-BACK ADJUSTMENT IMPORTANT: Deck must be level side-to side. If the following front-to-back adjustment is necessary, be sure to adjust both front links equally so mower will stay level side-to-side.

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.

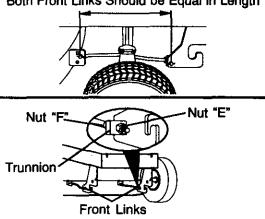
Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown.

- Before making any necessary adjustments, check that both front links are equal in length. Both links should be approximately 10-3/8".
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/8" 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.
- 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.



Both Front Links Should be Equal in Length

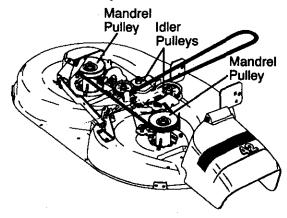


TO REPLACE MOWER BLADE DRIVE BELT

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 this manual).
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.



BELT INSTALLATION -

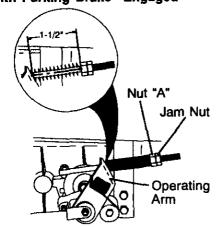
- Install new belt in reverse order of removal.
- Make sure belt is in all pulley grooves and inside all belt guides.
- Install mower in reverse order of removal instructions.

TO 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 six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted.

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

With Parking Brake "Engaged"

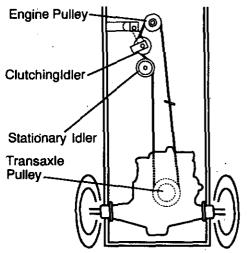


TO REPLACE MOTION DRIVE BELT

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

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

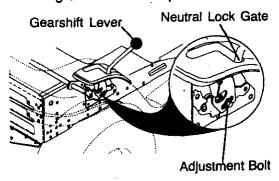
- Remove belt from stationary idler and clutching idler.
- Pull belt slack toward rear of tractor.
 Remove belt upwards from transaxle pulley by deflecting belt keepers.
- Pull belt toward front of tractor and remove downwards from around engine pulley.
- Install new belt by reversing above procedure.



TRANSAXLE GEAR SHIFT LEVER NEUTRAL ADJUSTMENT

The transaxle should be in neutral when the gear shift lever is in neutral (N) (lock gate) position. The adjustment is preset at the factory; however, if adjustment is needed, proceed as follows:

- Make sure transaxle is in neutral (N).
 NOTE: When the tractor rear wheels move freely, the transaxle is in neutral.
- Loosen adjustment bolt in front of the right rear wheel.
- Position the gear shift lever in the neutral (N) position.
- Tighten adjustment bolt securely.
 NOTE: If additional clearance is needed to get to adjustment bolt, move mower deck height to the lowest position.



TO ADJUST STEERING WHEEL ALIGNMENT

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

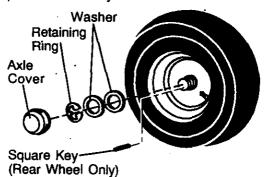
FRONT WHEEL TOE-IN/CAMBER

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

TO REMOVE WHEEL FOR REPAIRS

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

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.



TO START ENGINE WITH A WEAK BATTERY

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

If your battery is too weak to start the engine, it should be recharged. (See "BATTERY" in the MAINTENANCE section of this manual).

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

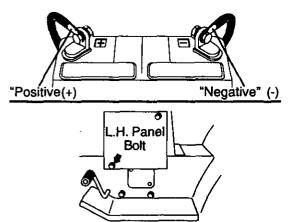
IMPORTANT: Your tractor is equipped with a 12 volt negative grounded system. The other vehicle must also be a 12 volt negative grounded system. Do not use your tractor battery to start other vehicles.

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis.
- Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable 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.
- · RED cable last from both batteries.

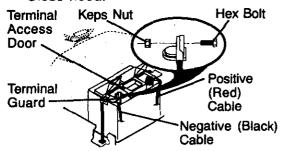


REPLACING BATTERY

A CAUTION: 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.

- Lift hood to raised position.
- · Remove terminal guard.
- Disconnect BLACK battery cable then RED battery cable and carefully remove battery from tractor.
- Install new battery with terminals in same position as old battery.
- · Reinstall terminal guard.
- First connect RED battery cable to positive (+) battery terminal with hex bolt and keps nut as shown. Tighten securely.

- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt and keps nut.
 Tighten securely
- · Close terminal access doors.
- Close hood.



TO REPLACE HEADLIGHT BULB

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

INTERLOCKS AND RELAYS

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

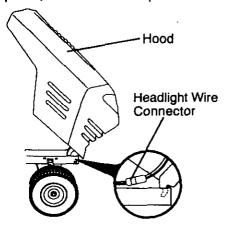
 Check wiring. See electrical wiring diagram in the Repair Parts section.

TO REPLACE FUSE

Replace with 15 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

TO REMOVE HOOD AND GRILL ASSEMBLY

- Raise hood.
- Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt toward engine and lift off of tractor.
- To replace, reverse above procedure.



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:

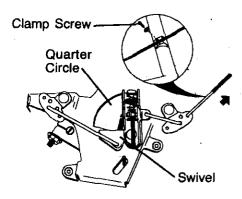
- With engine not running, move throttle control lever to fast position.
- Check that swivel is against side of quarter circle. If it is not, loosen cable clamp screw and pull cable back until swivel is against quarter circle.

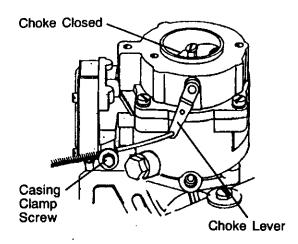
Tighten cable clamp screw securely.

TO ADJUST CHOKE CONTROL

The choke 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 choke control (located on dash panel) to full choke position.
- Remove air cleaner cover, filter and cartridge plate to expose carburetor choke (see "AIR FILTER" in the Customer Responsibilities section of this manual).
- Choke should be closed. If it is not, loosen casing clamp screw and move choke cable until choke is completely closed. Tighten casing clamp screw securely.
- Reassemble air cleaner.





TO ADJUST CARBURETOR

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 the mixture screw in (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the mixture screw out (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture.

IMPORTANT: Damage to the needles and the seats in carburetor may reslut if screw is turned in too tight.

PRELIMINARY SETTING -

- Be sure you have a clean air filter, and the throttle control cable and choke are adjusted properly (see above).
- With engine off turn idle mixture screw in (clockwise) closing it finger tight and then turn out (counterclockwise) 1-1/4 to 1-1/2 turns.

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/ motion control lever in neutral (N) position.
- With throttle control lever in slow position, hold throttle lever against idle speed screw and adjust idle speed screw to obtain 1200 to 1400 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture screw In (clockwise) until engine begins to die and then turn out (counterclockwise) until engine runs rough. Turn screw to a point midway between those two positions.

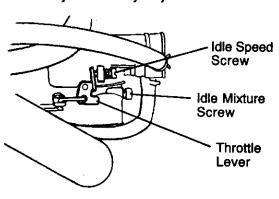
 Continue to hold throttle lever against idle speed screw and adjust idle speed screw to obtain 900 to 1200 RPM. Release throttle lever.

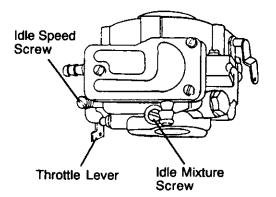
ACCELERATION TEST -

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

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

IMPORTANT: Never tamper with the engine governor, which is factory set for proper engine speed. overspeeding the engine above the factory high speed setting can be dangerous. if you think the engine-governed high speed needs adjusting, contact your nearest authorized service center/department, 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.

A 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).
- 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 TERMINALS" 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 filter, fuel hose, or tank during storage.

Also, experience indicates that alcohol blended fuels 9called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

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

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

ENGINE OIL

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

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

OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your 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

PROBLEM	CAUSE	CORRECTION
Will not start	Out of fuel.	• Fill fuel tank.
	• Engine not "CHOKED"	• See "TO START ENGINE"
	properly.	in Operation section.
	Engine flooded.	Wait several minutes
	1	before attempting to start.
• .	Bad spark plug.	Replace spark plug.
	Dirty air filter.	Clean/replace air filter.
	Dirty fuel filter.	Replace fuel filter.
•	Water in fuel.	Drain fuel tank and
		carburetor, refill tank with
_	·	fresh gasoline and replace
	Į i	fuel filter.
•	Loose or damaged	Check all wiring.
·	wiring.	1
	Carburetor out of	See "To Adjust Carburetor"
	adjustment.	in Service Adjustments
		section.
	 Engine valves out of 	Contact an authorized
	adjustment.	service center/department.
Hard to start	Dirty air filter.	Clean/replace air filter.
riard to start	Bad spark plug.	Replace spark plug.
	Weak or dead battery.	Recharge or replace
	Weak of dead battery.	battery.
	Dirty fuel filter.	Replace fuel filter.
	Stale or dirty fuel.	Drain fuel tank and refill with
	Stale of diffy idel.	fresh gasoline.
	L L soos or domogad	• Check all wiring.
	Loose or damaged	Check all willing.
	wiring. • Carburetor out of	See "To Adjust Carburetor"
	· ·	
· .	adjustment.	in Service Adjustments section.
	Engine valves out of	Contact an authorized
	adjustment.	service center/department.
	+	
Engine will not turn	Clutch/brake pedal not	• Depress clutch/brake pedal.
over .	depressed.	İ
•	Attachment clutch is	Disengage attachment
	engaged.	clutch.
	Weak or dead battery.	 Recharge or replace
	1 _	battery.
•	 Blown fuse. 	Replace fuse.
	 Corroded battery 	 Clean battery terminals.
	terminals.	
		Check all wiring.
	Loose or damaged	I Check all wining.
	wiring.	Check all wiring.
		Check/replace ignition
	wiring.) .
	wiring.	Check/replace ignition
	wiring. • Faulty ignition switch.	Check/replace ignition switch.
	wiring. • Faulty ignition switch. • Faulty solenoid or	 Check/replace ignition switch. Check/replace solenoid or
	wiring. • Faulty ignition switch. • Faulty solenoid or starter.	 Check/replace ignition switch. Check/replace solenoid or starter.
Engine clicks but will	wiring. • Faulty ignition switch. • Faulty solenoid or starter. • Faulty operator presence switch(es).	 Check/replace ignition switch. Check/replace solenoid or starter. Contact an authorized service center/department.
Engine clicks but will	wiring. Faulty ignition switch. Faulty solenoid or starter. Faulty operator	 Check/replace ignition switch. Check/replace solenoid or starter. Contact an authorized service center/department. Recharge or replace
	wiring. • Faulty ignition switch. • Faulty solenoid or starter. • Faulty operator presence switch(es). • Weak or dead battery.	Check/replace ignition switch. Check/replace solenoid or starter. Contact an authorized service center/department. Recharge or replace battery.
	wiring. • Faulty ignition switch. • Faulty solenoid or starter. • Faulty operator presence switch(es).	 Check/replace ignition switch. Check/replace solenoid or starter. Contact an authorized service center/department. Recharge or replace

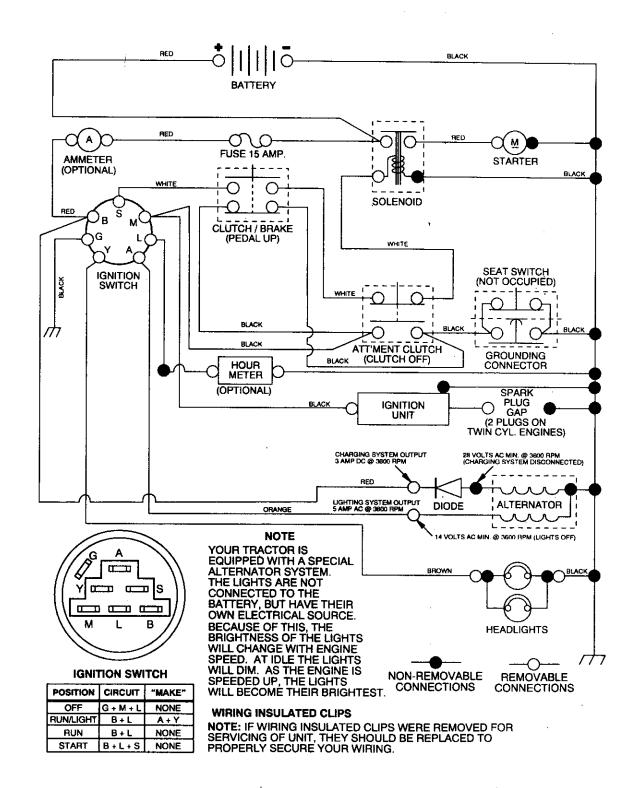
TROUBLESHOOTING CHART

PROBLEM	CAUSE	CORRECTION
Engine clicks but will	Loose or damaged	Check all wiring.
not start (Cont'd)	wiring. • Faulty solenoid or starter.	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. 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. Engine valves out of 	 Set in "Higher Cut" position/ reduce speed. Adjust throttle control. Clean underside of mower housing. Clean/replace air filter. Check oil level/change oil. Clean and regap or change spark plug. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Drain fuel tank and carbure tor, 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. See "To Adjust Carburetor" in Service Adjustments section. Contact an authorized
Excessive vibration	 adjustment. Worn, bent or loose blade. Bent blade mandrel. Loose/damaged part(s). 	service center/department. Replace blade. Tighten blade bolt. Replace blade mandrel. Tighten loose part(s).
Engine continues to run when operator leaves seat with attachment clutch engaged	Faulty operator-safety presence control system.	Replace damaged parts. Check wiring, switches and connections. If not corrected, contact an authorized service center/department.
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 holes from buildup of grass, leaves, and trash around mandrels.	 Replace blade. Tighten blade bolt. Level mower deck. Clean underside of mower housing. Replace blade mandrel. Clean around mandrels to open vent holes.

TROUBLESHOOTING CHART

PROBLEM	CAUSE	CORRECTION
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. Replace blade mandrel.
Poor grass discharge	 Engine speed too slow. Travel speed too fast. Wet grass. Mower deck not level. Low/uneven tire air pressure. Worn, bent or loose blade. Buildup of grass, leaves and trash under mower. Mower drive belt worn. Blades improperly installed. Improper blades used. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	 Place throttle control in "FAST" position. Shift to slower speed. Allow grass to dry before mowing. Level mower deck. Check tires for proper air pressure. Replace/sharpen blade. Tighten blade 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) burned out. Faulty light switch. Loose or damaged wiring. Blown fuse. 	 Turn switch "ON". Replace bulb(s). Check/replace light switch. Check wiring and connec tions. 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.
Engine "backfires" when turning engine "OFF"	Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.	Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

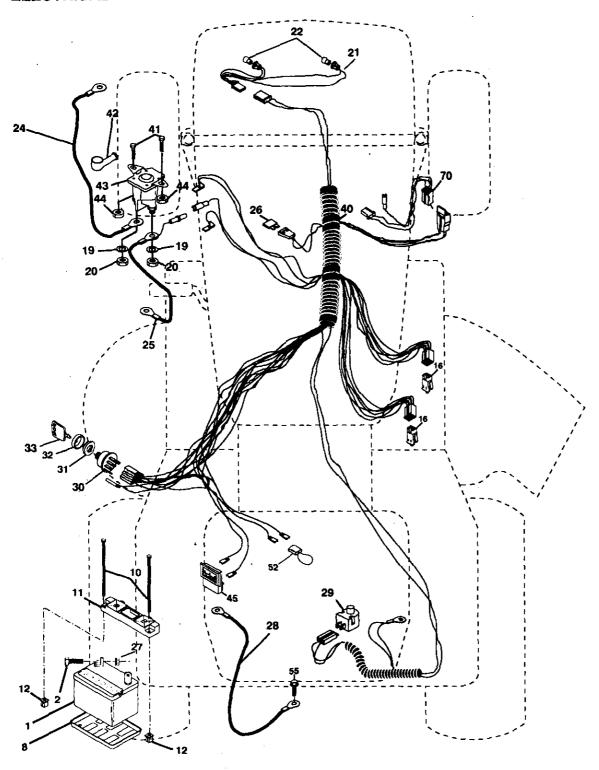
SCHEMATIC



REPAIR PARTS

TRACTOR -- MODEL NUMBER 917.270850

ELECTRICAL



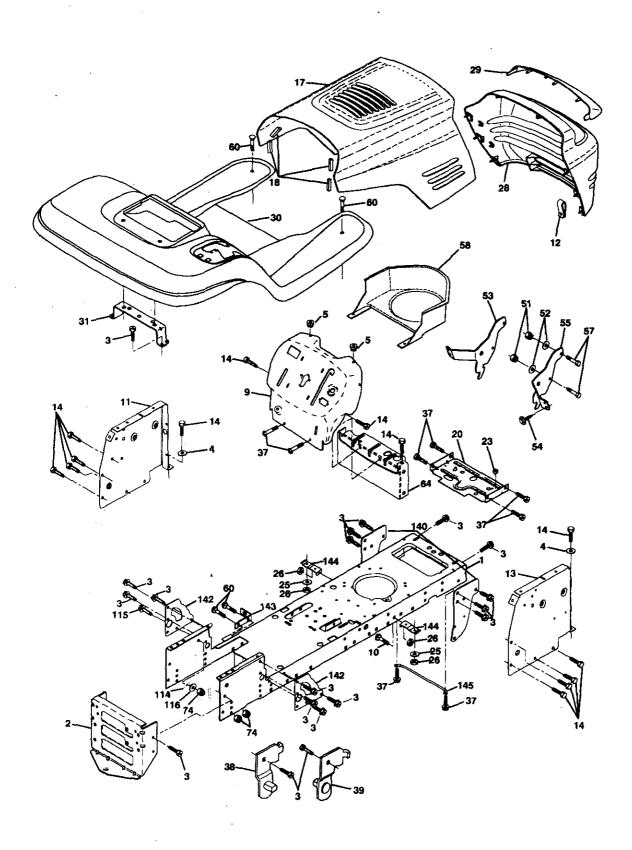
TRACTOR -- MODEL NUMBER 917.270850

ELECTRICAL

KE	Y PART	
NC). NO.	DESCRIPTION
1	163465	Battery 12 VOLT 28 AMP
2	74760412	Bolt Hex Hd 1/4-20unc x 3/4
8	7603J	Case Battery
10	145211	Bolt, Btr Front 1/4-20 x 7-1/2
	150109	Holddown Battery Front Mount
12	145769	Nut, Push Nylon Battery Front 1/4
	153664	Switch, Interlock Push-In
	Std551125	Washer Lock 1/4
	73350400	Nut Jam Hex 1/4-20 Unc
	166182	Harness Light Socket (W/4152j)
22		Bulb Light #1156
	4799J	Cable Battery
	146148	Cable Battery
	166180	Fuse
	73510400	Nut Keps Hex 1/4-20 Unc
	145491	Cable Ground
	121305X	Switch Seat
	140301	Switch Ign 4 Position
	124211X	Nut Ignition
	141226	Cover Ignition Switch
40	109310X 169596	Key Molded Craftsman
41		Harness Ign
42	131563	Bolt Blk. Fin Hex 1/4-20 Unc x 1/2 Cover Terminal
43		Solenoid
44		Nut Keps Blk Hex 1/4-20 Unc
45		Ammeter Rectangular 6 Amp
52		Protection Wire Loop
55		Screw Thdrol 5/16-18 x 1/2
70	166658	Harness Engine B&S

NOTE: All component dimensions given in U. S. inches 1 inch = 25/4 mm

TRACTOR -- MODEL NUMBER 917.270850 CHASSIS AND ENCLOSURES



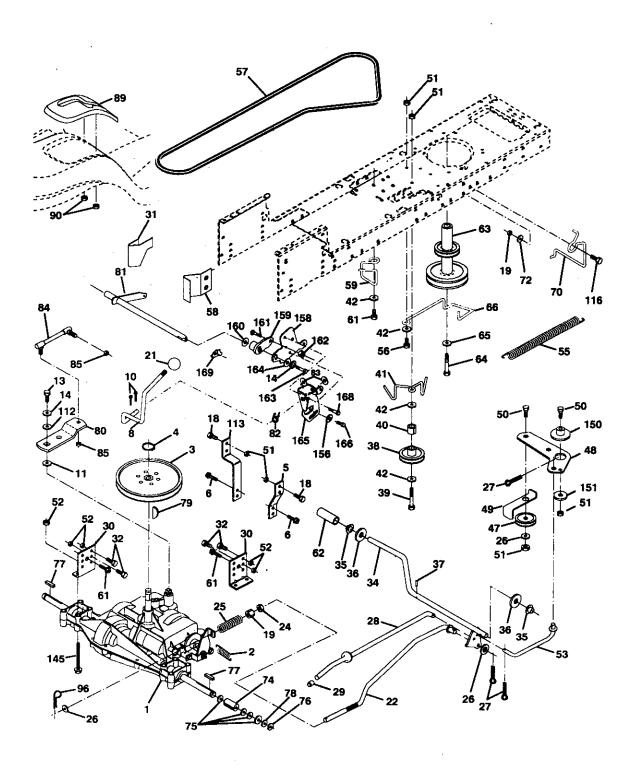
TRACTOR -- MODEL NUMBER 917.270850 CHASSIS AND ENCLOSURES

KEY PART NO. NO.	DESCRIPTION
1 166819	Chassis Assembly
2 140356	Drawbar
3 17060612	Screw 3/8-16 x 3/4
4 STD551025	Washer 13/32 x 3/4 x 16 Gauge
5 155272	Bumper Hood/Dash
9 165454X013	Dash
10 STD533710	Bolt, Carriage 3/8-16 x 1
11 155927	Panel, Dash, L.H.
12 145660	Clip Tinnerman Grille P/L
13 169118	Panel, Dash, R.H.
14 17490608	Screw Thdrol 3/8-16 x 1/2
17 144983X558	Hood Assembly
18 126938X	Bumper Hood
20 156437	Plate Mtg Battery Fuel Tank
23 124028X	Bushing, Snap, Nylon, Fuel Line
25 19131312	Washer 13/32 x 13/16 x 12 Gauge
26 STD541437	Locknut, Hex, with Insert 3/8-16 Unc
28 156725X558	Grille w/Clips MS-558
29 155217X599	Lens, Grille
30 151287X558	Fend/Ftrest
31 139976	Bracket, Fender Support
37 17490508	Screw Thdrol 5/16-18 x 1/2
38 139886	Pivot Bracket Assembly, L.H.
39 139887	Pivot Bracket Assembly, R.H.
51 73800400	Nut Lock w/Insert 1/4-20 UNC
52 19091416	Washer 9/32 x 7/8 x 16 Ga.
53 145201	Bracket Grille Pickoff LH
54 161464	Screw Hex Wshd 8-18 x 7/8
55 145202	Bracket Gritle Pickoff RH
57 STD522507	Bolt, Fin Hex 1/4-20 UNC x .75
58 140547	Air Duct P/L 18HP B&S Opp. Twin
60 STD533707	Bolt Rdhd Sqnk 3/8-16 UNC x 3/4
64 154798	Dash Lower STLT
74 STD541437	Nut Crownlock 3/8-16 UNC
114 158112	Keeper Belt Rear Lh Stl
115 17060620	Screw 3/8-16 x 1-1/4
116 19131614	Washer 13/32 x 1 x 14 Ga.
140 158418	Bracket Suspension Front
142 165867	Plate Reinforcement STLT
143 154966	Bracket Swaybar Chassis_
144 154207	Bracket Pnt Footrest STLT
145 156524	Rod Pivot Chassis/Hood

NOTE: All component dimensions given in U. S. inches 1 inch = 25/4 mm

TRACTOR-MODEL NUMBER 917.270850

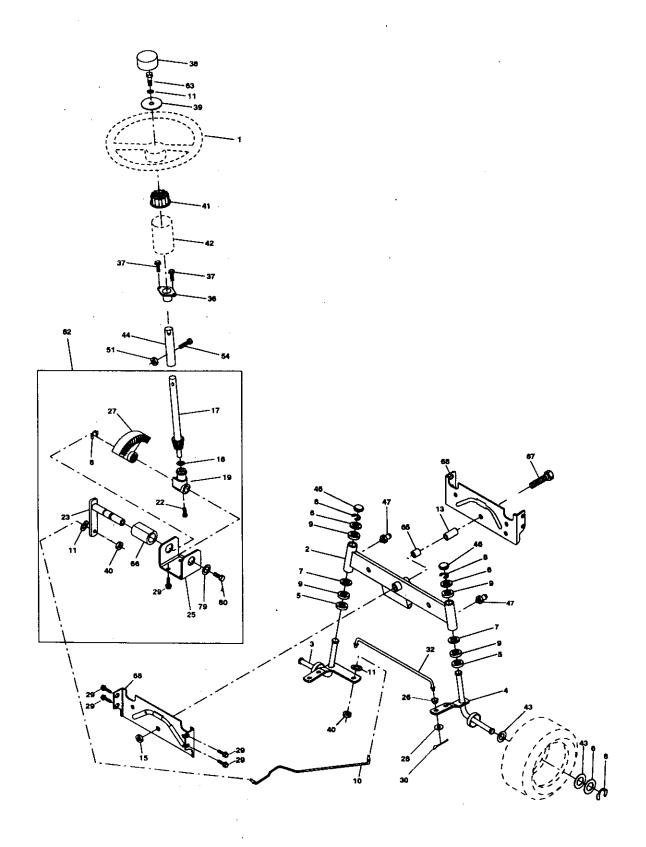
GROUND DRIVE



GROUND DRIVE

KEY PART		KEY PART	PEGGRETION
NO. NO.	DESCRIPTION	NO. NO.	DESCRIPTION
1	Transaxle (See Breakdown)	59 140312	Keeper, Belt, Center Span
	Peerless 206-545C	61 17060612	Screw 3/8-16 x 3/4
2 146682	Spring, Return, Brake	62 8883R	Cover, Pedal
3 123666X	Pulley, Transaxle	63 140186	Pulley, Engine
4 12000028	Ring, Retainer	64 164975	Bolt, Hex 7/16-20 x 4 Grade 5
5 121520X	Strap, Torque	65 STD551143	Washer
6 17060512	Screw 5/16-18 x 3/4	66 154778	Keeper, Belt, Engine, Fool-Proof
8 165866	Rod Shifter Fender STLT	70 13 4683	Guide, Mower Drive Belt, R.H.
10 STD561210	Pin, Cotter	72 19132012	Washer 13/32 x 1-1/4 x 12 Ga.
11 105701X	Washer, Shift Plate	74 137057	Spacer, Axle
13 74550412	Bolt 1/4-28 UNF W/Patch Gr. 8	75 121749X	Washer 25/32 x 1-1/4 x 16 Ga.
14 10040400	Washer Lock Hvy Helical	76 STD581075	E-Ring
18 STD523710	Bolt Fin Hex 3/8-16UNC x 1 Gr 5	77 123583X	Key, Square 2.0 x .1845/.1865
19 STD541437	Nut	78 121748X	Washer 25/32 x 1-5/8 x 16 Ga
21 106933X	Knob_	79 STD580025	Key Woodruff
22 130804	Rod Brake	80 145090	Arm, Shift
24 STD541237	Nut	81 165592	Shaft Asm Cross Tapered 650 20
25 106888X	Spring, Brake Rod	82 165711	Spring Torsion
26 STD551037	Washer	83 19171216	Washer 17/32 x 3/4 x 16 Ga.
27 STD561210	Pin	84 166231	Link Transaxle
28 145204	Rod, Parking Brake	85 150360	Nut, Nylock
29 124236X	Cap, Parking Brake, Red	89 158391X428	Console, Shift, STLT
30 130807	Bracket, Transaxle	90 124346X	Nut, Self-Thiding, Wsh Hd 1/4
31 127275X	Keeper, Belt, L.H.	96 STD624003	Retainer Spring 1"
32 STD523107	Bott	112 19091210	Washer 9/32 x 3/4 x 10 Gauge
34 155071	Shaft Assembly, Foot Pedal	113 127285X	Strap Torque 90 Degrees
35 120183X	Bearing, Nylon	116 72110610	Bolt Rdhd Sqneck 3/8-16 x 1.25
36 STD551062	Washer	145 74490540	Bolt, Hex Fighd 5/16-18 Gr. 5
37 STD571810	Roll Pin	150 165850	Bushing Bellcrank Grd. Drive
38 131494	Pulley, Idler, Flat	151 19133210	Washer 13/32 x 2 x 10 Ga.
39 STD523727	Bott Cally Co.	156 166002	Washer Strited 5/16ID x 1.125
40 4470J 41 165838	Spacer, Split .395 x .59	158 165589	Bracket Shift Mount
	Keeper, Belt, Idler	159 165494	Hub Tapered Flange Shift Lt
42 19131312 47 127783	Washer 13/32 x 13/16 x 12 Ga.	160 19292016	Washer 29/32 x 1-1/4 x 16 Ga
	Pulley, Idler, V-Groove, Plastic	161 72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr.5
48 154407 49 123205X	Bellcrank Clutch Grnd Drv Stl	162 73680400	Nut Crownlock 1/4-20 Unc
50 STD523715	Retainer, Bett	163 74780416	Bott Hex Fin 1/4-20Unc x 1 Gr 5
	Bolt	164 19091010	Washer 5/8 x .281 x 10 Ga
51 STD541437 52 STD541431	Nut Crown Lock 3/8-16 UNC	165 165623	Bracket Pivot Lever
52 510541431 53 105710X	Nut Crown Lock 5/16-18 UNC Link, Clutch	166 166880	Screw 5/16-18 x 5/8
55 105710X 55 105709X		168 165492	Bolt Shoulder 5/16-18 x .561
56 STD523712	Spring, Clutch Return Bolt Fin Hex 3/8-16 x 1-1/4	169 165580	Plate Fastening Lt
57 130801	V-Belt, Ground Drive		
58 127274X	Keeper, Belt, R.H.		nent dimensions given in U.S.
~ 141217N	Resper, Dell, Fl.11.		h = 25/4 mm

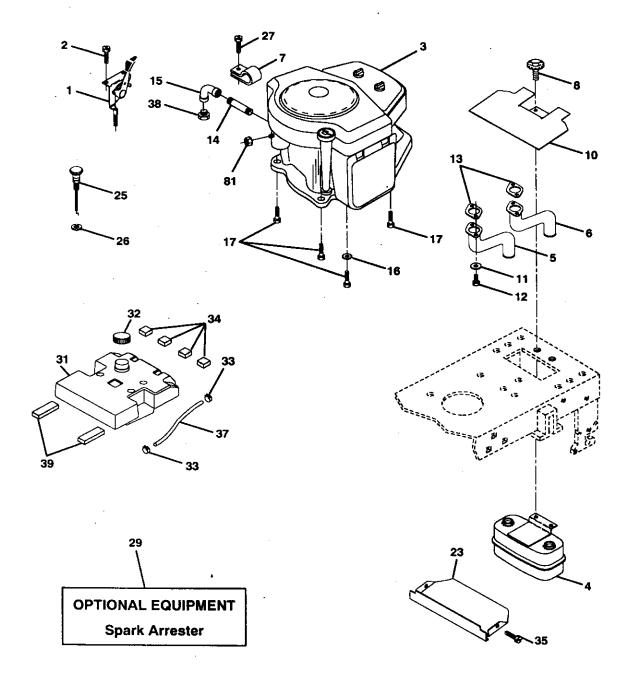
STEERING



STEERING

KEY NO.	/ PART NO.	DESCRIPTION
1		
2	139768 154427	Steering Wheel
3	156483	Axle Assembly STMP Dropped STL
4	157473	Spindle Assembly, L.H. Spindle Assembly, R.H.
5	6266H	
6	121748X	Bearing, Race, Thrust, Hardened Washer 25/32 x 1-5/8 x 16 Gauge
7	19272016	
8	12000029	Washer 27/32 x 1-1/4 x 16 Gauge
9	3366R	Ring, Klip Bearing, Steering Column
10	156438	Draglink Extended Stamped
11	STD551137	Washer, Lock
13	154779	Bearing Axle STLT/GT
15	73901000	Nut, Lock, Flange 5/8-11 UNC
17	156546	Shaft Assembly, Steering
18	57079	Washer, Thrust .515 x .750 x .033
19	160395	Support, Shaft
22	165857	Screw Hex Wshhd Torx
23	165851	Pittman Shaft Assembly
25	154406	Bracket, Steering
26	126847X	Bushing, Link, Drag
27	136874	Gear, Sector
28	19131416	Washer 13/32 x 7/8 x 16 Gauge
29	17060612	Screw 3/8-16 x 3/4
30	STD561210	Pin
32	130465	Rod, Tie
36	155099	Bushing, Steering
37	152927	Screw
38	139769	Insert, Steering Wheel
39	19133812	Washer 13/32 x 2-3/8 x 12 Gauge
40	STD541537	Gripco Nut
41	100711L	Adaptor, Steering Wheel
42	145054X428	Boot, Steering Shaft
43	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
44	153720	Extension Shaft Steering LR.LT
46	121232X	Cap, Spindle
47	6855M	Fitting, Grease
51	STD541431	Nut Lock Hex w/lns. 5/16-18 UNC
54	74780520	Bolt Fin Hex 5/16-18 UNC x 1-1/4
62	167902	Kit Steering Asm Service
63	STD523710	Bolt, Fin Hex 3/8-16 UNC x 1 Gr 5
65	154780	Spacer Axle
66	154404	Bearing Arm Pittman
67	74781044	Bolt, Fin Hex 5/8-11 UNC x 2-3/4
68	154429	Axle, Brace
79	19132012	Washer 13/32 x 1-1/4 x 12 Ga
80	74950612	Bolt Hex Nylon 3/8-16 x 3/4
NA	TE. Allaamaa	

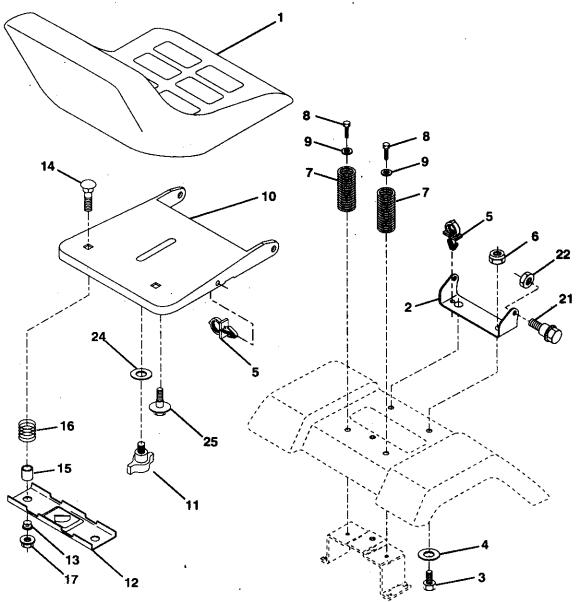
ENGINE



ENGINE

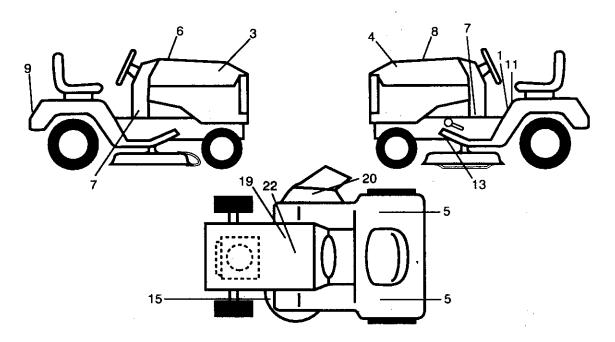
KE NO	Y PART . NO.	DESCRIPTION
1	162152	Control, Throt Paddle 32 22
2	17720410	Screw, Hex Thd Cut 1/4-20 x 5/8
3		Engine, B&S, (See Breakdown) No. 461707-0145-E1
4	149723	Muffler Exhaust
5	144069	Exhaust Asm. Left
6	144068	Exhaust Asm. Right
7	138129	Clamp Tube Double Engine
	150176	Bolt 5/16-18unc x 3/4 W/Sems
	145552	Heat Shield Lt
11	STD551125	Washer Lock Hvy. Helical 1/4
12	STD522507	Bolt Fin Hex 1/4-20Unc x .75
	165287	Gasket, Muffler
14	13280336	Nipple, Pipe 4-1/2
	13200300	Elbow, Standard 90°, 3/8-18 NPT
16		Washer Lock Ext Tooth 3/8
	17490624	Screw Thdrol 3/8-16x1-1/2 Tytt
	159880	Shield, Brn/Dbr Guard
	145996	Control Choke
	73920600	Nut Keps 3/8-24 Unf
27 29	152927	Screw TT #10-32 x 5 x 3/8 Flange
31	137180 157103	Arrestor, Spark
32		Tank, Fuel
	123487X	Cap Fuel Guage
	106082X	Clamp, Hose Spacer Pad
	17060512	Screw 5/16-18 x 3/4
37	8543R	Line, Fuel
38	о ло п	
39	109227X	Plug, Oil Drain (See Engine Breakdown) Pad Idler
81	128861	Nut Flange 1/4-20 Starter Nut
٥,	120001	Hut hange 1/4-20 Starter Hut

SEAT ASSEMBLY



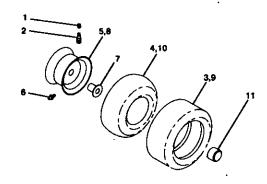
		1840			
KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION		
1 140123 2 140551 3 STD523710 4 19131610 5 145006 6 STD541437 7 124181X 8 17060616 9 19131614 10 155925 11 166369 12 121246X	Seat 3350 Blk/blk Craftsman Bracket Pnt Pivot Seat (blk) Bolt Fin Hex 3/8-16unc X 1 Washer 13/32 X 3/4 X 10 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 1-1/2 Washer 13/32 X 1 X 14 Ga Pan Pnt Seat (blk) Knob Seat Bracket Pnt Mounting Switch		Bushing Snap Blk Nyl 50 ld Bolt Rdhd Sht Nk 1/4-20x1-1/2 Spacer Split 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/Ins 5/16-18 Washer 17/32 X 1-3/16 X 12 Ga. Bolt Shoulder 5/16-18 X 62 Intent dimensions given in U. S. inch = 25/4 mm		

DECALS



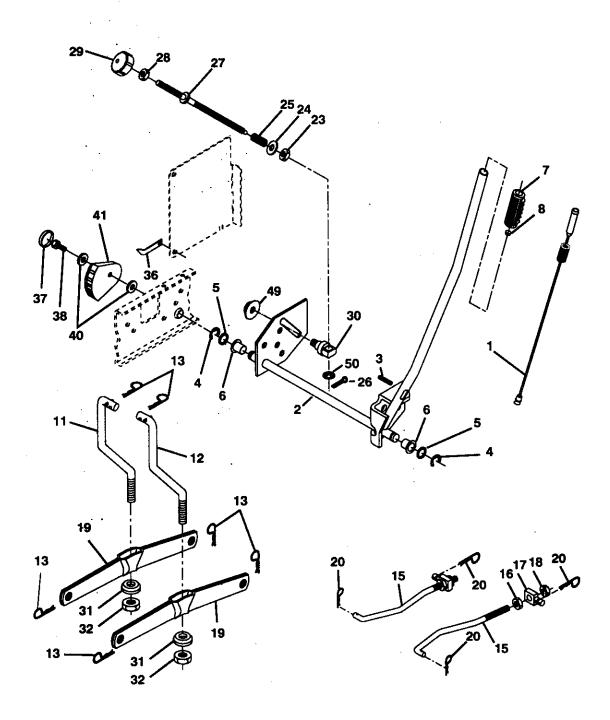
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	156439	Decal, Fender Danger Sears	15	160396	Decal, Mower Drive Schematic
3	163200	Decal, Hood, R.H. Craftsman	19	138047	Decal, Battery Diehard Sears
4	163202	Decal, Hood, L.H. Craftsman	20	166887	Decal, Deck Mower EZ3
5	163207	Decal, Fender	22	149516	Decal, Battery
6	133644	Decal, Maintenance		138311	Decal, Lift Handle
7	166927	Decal, Panel Dash B&S		154515	Pad Footrest LH STLT
8	169636	Decal, Rplcmnt		154516	Pad Footrest RH STLT
9	163204	Decal, Fender, Craftsman Gold		169905	Owner's Manual, English
11	156368	Decal, Fender STLT Oper Inst E/S		169906	Owner's Manual, Spanish
13	146046	Decal, V-Belt Dr Sch Tractor			• •

WHEELS AND TIRES



KEY	PART	
NO.	NO.	DESCRIPTION
1	59192	Valve Cap, Tire
2	65139	Stem, Valve
3	106222X	Tire, Front
4	59904	Tube, Front Tire
		(Not Provided, Service Item
		Only)
5	106732X427	Rim, Front
6	278H	Fitting, Grease (Front Wheel
		Only)
7	9040H	Bearing, Flange (Front Wheel
		Only)
8	106108X427	Rim, Rear
9	122082X	Tire, Rear
10	7152J	Tube, Rear Tire
		(Not Provided, Service Item
		Only)
11	104757X	Cap, Axle
	144334	Sealant, Tire 10 oz.

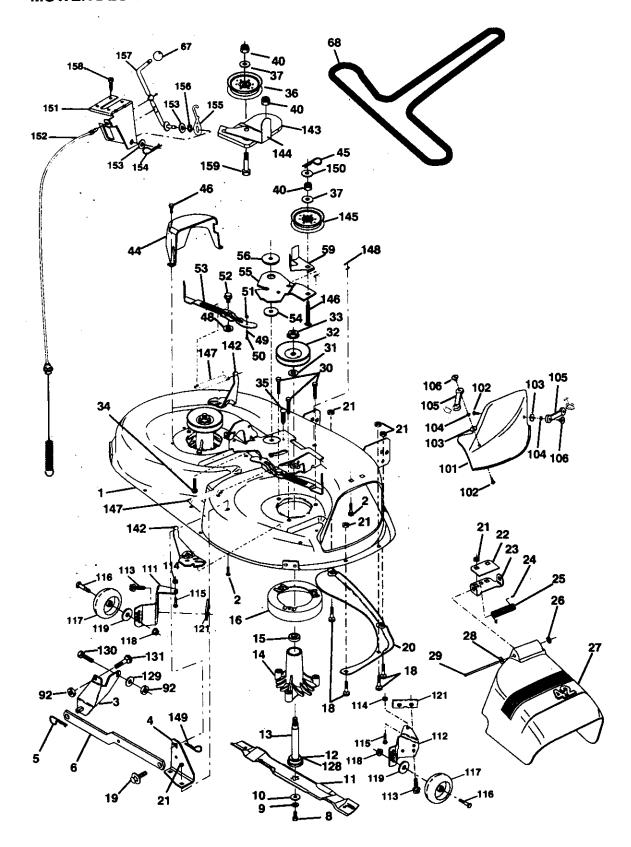
LIFT ASSEMBLY



LIFT ASSEMBLY

KEY PART NO. NO.	DESCRIPTION
1 159460	Lift Lever Inner Wire Assembly
2 159471	Shaft Assembly, Lift
3 105767X	Pin, Groove
4 12000002	E-Ring
5 19211621	Washer 21/32 x 1 x 21 Gauge
6 120183X	Bearing, Nylon
7 125631X	Grip, Handle, Fluted
8 122365X	Button, Plunger, Red
11 139865	Link, Lift, L.H.
12 139866	Link, Lift, R.H.
13 STD624008	Retainer Spring
15 127218	Link, Front
16 73350800	Nut, Hex, Jam 1/2-13 UNC
17 130171	Trunnion
18 73680800	Nut Lock 1/2-13 UNC
19 139868	Arm, Suspension, Rear
20 163552	Retainer Spring
23 110807X	Nut, Special
24 19131016	Washer 13/32 x 5/8 x 16 Gauge
25 2876H	Spring
26 76020308	Pin, Cotter 3/32 x 1/2
27 126971X	Rod, Adjust, Lift
28 73350600	Nut, Hex, Jam 3/8-16 UNC
29 138057	Knob, Inf. 3/8-16
30 150233	Trunnion, Inf Height
31 140302	Bearing, Pvt, Lift Special
32 73540600	Nut, Crownlock 3/8-24
36 155097	Pointer Height Indicator
37 123935X	Plug Hole
38 17490512	Screw Thdrol 5/16-18 x 3/4
40 19112410	Washer 11/32 x 1-1/2
41 155098	Indicator Height
49 145212	Nut Flange Lock
50 110452X	Nut Push Phos & Oil

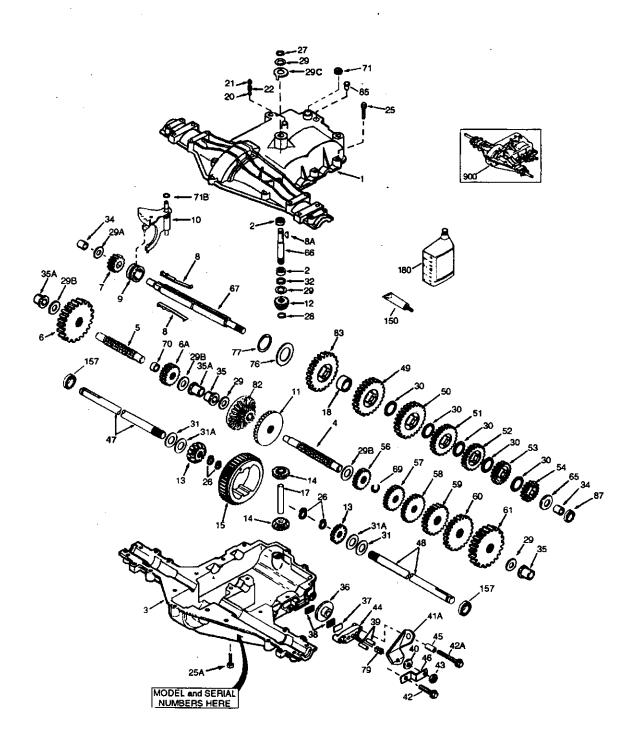
MOWER DECK



MOWER DECK

	/ PART . NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
		· · · · · · · · · · · · · ·		- · · ·
1	165892	Mower Deck Assembly, 42"	56 165723	Spacer, Retainer
2	STD533107	Bolt	59 141043	Guard, TUV Idler
3	138017	Bracket Assembly, Sway Bar,	67 149846	Knob Custom Oval
		Front	68 144959	V-Belt
4	165460	Bracket Sway Bar 38/42" Deck	92 STD541437	Nut
5	STD624008	Retainer Spring	101 136420	Mulcher Cover
6	130832	Arm, Suspension, Rear	102 71161010	Screw
8	850857	Bolt, Hex 3/8-24 x 1.25 Gr. 8	103 19061216	Washer #10
9	STD551137	Washer, Lock	104 STD551110	Washer, Lock
10	140296	Washer, Hardened	105 160793	Latch Assembly, Bagger
11	134149	Blade, Mulching	106 2029J	Nut, Weld
12	129895	Bearing, Ball	111 155197	Bracket, Gauge, Wheel L.H.
13	137645	Shaft Assembly, Mandrel, Vented	112 155198	Bracket, Gauge, Wheel R.H.
		(Includes Key	113 17060512	Screw 5/16-18 x 3/4
		Number 12)	114 STD541431	Nut, Hex, Keps 5/16-18 UNC
14	128774	Housing, Mandrel, Vented	115 72110504	Bolt, Carriage 5/16 UNC x 1/2
15	110485X	Bearing, Ball, Mandrel	116 4898H	Bolt, Shoulder
16	140329	Stripper, Vented Mower Deck	117 165746	Wheel, Gauge
18	72140505	Bolt, Carriage 5/16-18 x 5/8	118 73930600	Nut, Centerlock 3/8-16
19	132827	Bolt, Shoulder	119 STD551037	Washer 3/8 x 7/8 x 14 Gauge
20	159770	Baffle, Vortex	121 143723	Bracket
21	STD541431	Nut Crownlock 5/16-18 UNC	128 153390	Washer Felt
22	134753	Stiffener Bracket	129 19131312	Washer 13/32 x 13/16 x 12 Ga.
23	131267	Bracket, Deflector	130 STD523710	Bolt, Fin Hex 3/8-16 UNC x 1
24	105304X	Cap, Sleeve		Gr. 5
25	123713X	Spring, Torsion, Deflector	131 STD533710	Bolt, Rdhd Sqnk 3/8-16UNC x 1
26	110452X	Nut, Push	142 165890	Arm Spring Brake Mower
27	130968	Shield, Deflector	143 157109	Bracket Arm Idler 42"
28	19111016	Washer 11/32 x 5/8 x 16 Ga.	144 158634	Keeper Belt 42" Clutch Cable
29	131491	Rod, Hinge	145 165888	Pulley Idler Flat
30	157722	Screw Thdrol Washer Head	146 165891	Bolt Carriage Idler
31	129963	Washer, Spacer	147 131335	Spring Extension
32	153535	Pulley, Mandrel	148 169022	Spring Return Idler
33	137266	Nut, Toplock, Flanged	149 165898	Retainer Spring Yellow Zinc
34	STD533717	Boit	150 19091216	Washer 9/32 x 3/4 x 16 Ga.
35	133835	Fastner, Christmas Tree	151 169670	Bracket Clutch
36	131494	Pulley, Idler, Flat	152 169676	Cable Clutch 42 In
37	STD551037	Washer 13/32 x 13/16 x 16	153 169674	
O,	010001007	Gauge	154 169675	Washer Flat 3/8" Type B
40	STD541437	Nut Crownlock 3/8-16 UNC	155 169671	Spring Retainer
44	140088	Guard, Mandrel, L.H.	156 169672	Spring Retention Lever
45		Retainer	157 169669	Spacer Bod Clutch
46	137729	Screw, Thd. Roll 1/4-20 x 5/8	158 17720410	Rod Clutch
48	133944	Washer, Hardened		Screw Hex Thd Cut 1/4-20 x 5/8
49	155066	Roller Assembly, Cam Follower	159 STD533717 130794	Bolt Rohd Sqn 3/8-16Unc x 1-3/4
50	131340		- 130/94	Mandrel Assembly (Includes Key
51	STD541410	Bolt, Shoulder #10-24 Grade 5 Locknut	- 169583	Numbers 8-10, 12-15, 31 and 32)
52	139888		109363	Mower Deck, Complete (Standard
53	131845	Bolt, Shoulder 5/16-18 UNC		Deck, Order Separately Mulcher
54	133943	Arm Assembly, Pad, Brake	·	Plate and Gauge Wheel
55	155046	Washer, Hardened		Components, Key Nos. 101-106
33	100040	Arm, Idler		and 111-121)

TRACTOR -- MODEL NUMBER 917.270850 PEERLESS TRANSAXLE--MODEL NUMBER 206-545C



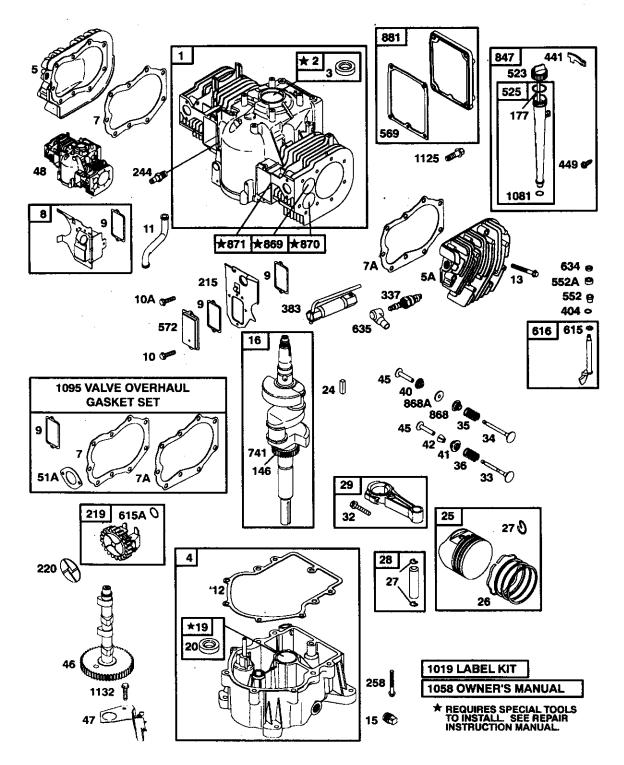
TRACTOR -- MODEL NUMBER 917.270850 PEERLESS TRANSAXLE--MODEL NUMBER 206-545C

KEY NO.	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
1	772147	Transaxle Cover	39	786026	Dowel Pin
2	780086A	Needle Bearing 5/8"	40	792076A	Flat Washer
3	770128	Transaxle Case			.312 ID x .059W
4	776395	Countershaft	41A	790079	Brake Lever
5	776409	Output Shaft	42	792073A	Screw 1/4 - 20 x 1-1 /4"
6	778364	Spur Gear (38 teeth)	42A	792085A	Screw 1/4 - 20 x 2 1/4"
6A	778369	Spur Gear (15 teeth)	43	792075	Locknut 5 / 16 - 24
7	778330	Spur Gear (11 teeth)	44	790025	Brake Pad Holder
8	792180	Shift Key	45	786066	Spacer .2625 x 1.0
8A	792047	Woodruff Key #9	46	786086	Brake Lever Bracket
9	784352	Shift Collar	47	774690	Axle (11-15 / 16" Long)
10	784378	Shift Rod & Fork	48	774691	Axle (16 - 1 / 2" long)
11	778334	Bevel Gear (30 teeth)	49	778356	Spur Gear (29 teeth)
12	778309	Input Bevel Pinion (13 teeth)	50	778338	Spur Gear (27 teeth)
13	778368	Bevel Gear (13 teeth)	51	778354	Spur Gear (23 teeth)
		(Include. 14)	52	778352	Spur Gear (19 teeth)
14	778368	Bevel Pinion (13 teeth)	53	778350	Spur Gear (16 teeth)
		(Include, 13)	54	778346	Spur Gear (15 teeth)
15	778370	Ring Gear (43 teeth)	56	778355	Spur Gear (11 teeth)
17	786188	Drive Pin	57	778337	Spur Gear (13 teeth)
18	786102	Spacer 1.130 X .695	58	778353	Spur Gear (17 teeth)
20	792077A	Ball 5/16" dia	59	778351	Spur Gear (21 teeth)
21	792078	Set Screw 3/8 - 16 x 3/8"	60	778349	Spur Gear (24 teeth)
22	792079	Spring .310 OD x .625 L	61	778345	Spur Gear (25 teeth)
25	792073A	Screw 1/4 - 20 x 1-1/4"	65	780189	Flat Washer
	792177	Screw 1/4-20 x 1-3/8"	-00	770400	.563 ID x .062W
26	792125	Retaining Ring (pkg of 2)	66	776422	Input Shaft
27	792035	Retaining Ring	67	776396	Shifter & Brake Shaft
28	788040	Retaining Ring	69	792170	Retaining Ring
29	780072	Thrust Washer	70 71	786187	Spacer .890
20.4	700160	.627 ID x .031W	71	788069 788092	Square Cut Ring
29A	780160	Thrust Washer			"O" Ring
208	780051	.762 ID x .031W Thrust Washer	76	780090	Flat Washer
290	700031	.762 ID x .031W	77	788078A	1.128 ID x .058W Inverted Retaining Ring
29C	780199	Anti-Rotation Washer .632	79	792144	Spring .430 OD x .5000 L
30	780108	Cup Washer	82	778333	Bevel & Spur Gear (30 & 13
-	, 50, 50	1.127 ID x .032W	U.	7,0000	teeth)
31	780001	Flat Washer	83	778338	Spur Gear (27 teeth)
•		.750 ID x .056W	85	792154	Oil Fill Plug
		(Use As Needed)	87	788089A	Oil Seal 9 / 16"
31A	780195	Flat Washer		788093A	Liquid Gasket RTV Silicone
		.750 ID x .062W		788088A	
32	788083	Oil Seal 5/8"		730229A	Gear Oil 80W90
34	780194	Bushing .563		794712	Replacement MST
35	780193	Flanged Bushing 5 / 8" ID		. —	206-545C Transaxle
	780197	Flanged Bushing .751			
36	790075	Brake Disk	TON	E: All com	ponent dimensions given in
37	790007	Brake Pad Plate			ches 1 inch = 25.4 mm
20	700021	Broke Bod (pkg of 2)			

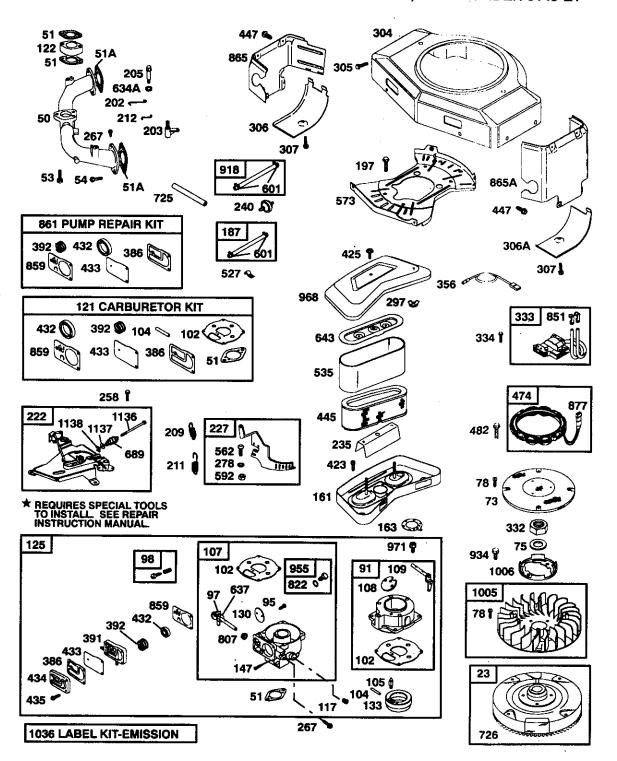
Brake Pad (pkg of 2)

38 799021

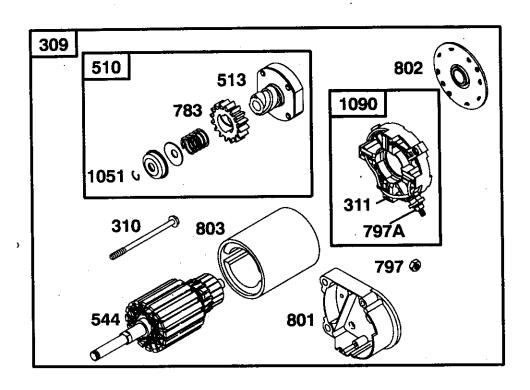
TRACTOR -- MODEL NUMBER 917.270850 BRIGGS & STRATTON ENGINE-MODEL NUMBER 461707, TYPE NUMBER 0145-E1

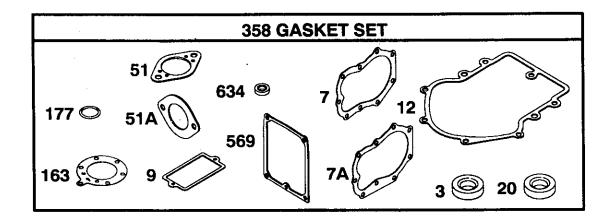


TRACTOR -- MODEL NUMBER 917.270850 BRIGGS & STRATTON ENGINE-MODEL NUMBER 461707, TYPE NUMBER 0145-E1



TRACTOR -- MODEL NUMBER 917.270850 BRIGGS & STRATTON ENGINE-MODEL NUMBER 461707, TYPE NUMBER 0145-E1





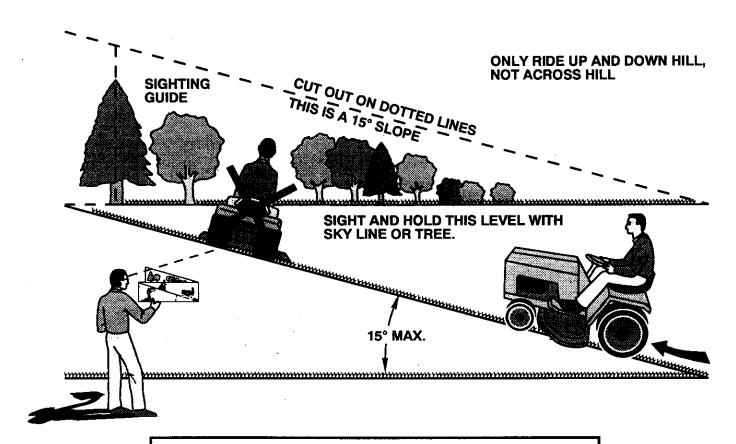
BRIGGS & STRATTON ENGINE-MODEL NUMBER 461707, TYPE NUMBER 0145-E1

KEY NO.	PART NO.		DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	498583		Cylinder Assembly	48	498542	Short Block
2	399265		Bushing/Seal Kit	50	213290	Manifold-Intake
3	91086	*	Seal-Oil	51		Gasket-Intake
4 5	493304		Sump-Engine	51A		Gasket-Intake
5A	214517 214518		Head-Cylinder #1 Head-Cylinder #2	53	93970	Screw (Carburetor)
7		44	Gasket-Cylinder Head #1	54 73	93208 691438	Screw (Intake Manifold)
7A	271868	i è	Gasket-Cylinder Head #2	75	222511	Screen-Rotating Washer (Flywheel)
8	495754	•	Breather Assembly	78	691134	Screw (Flywheel Fan)
			(Cylinder #1)	91	693483	Body Assembly-Upper
9		*	Gasket-Breather	95	690718	Screw (Throttle Valve)
10 10A	94382 94380		Screw (Breather Assembly)	97	693485	Shaft-Throttle
11	280225		Screw (Breather Cover) Tube-Breather	98 102	807923 693509 ●	Kit-Idle Speed Gasket-Carburetor Body
	273390	*	Gasket-Crankcase (.015"		693506	Pin-Float Hinge
			Thick, Std.)	105	692078	Valve-Float Needle
	271188	*	Gasket-Crankcase (.005"	107	693482	Body Assembly-Lower
	071100		Thick)	108	693505	Valve-Choke
	271189	*	Gasket-Crankcase (.009" Thick)	109	693498	Shaft-Choke
13	94565		Screw (Cylinder Head)	117	693538 693500	Jet-Main Jet-Main (High Altitude)
15	94239		Plug-Oil Drain	121	491539	Carburetor Kit
16	690666		Crankshaft	122	281411	Spacer
19	399264		Bushing	125	693479	Carburetor
20	291675	*	Seal-Oil	130	693504	Valve-Throttle
23 24	491180 222698		Flywheel Key-Flywheel	133	693512	Float-Carburetor
25	499180		Piston Assembly (Stan-	146 147	94196 693508	Key-Timing Jet-Pilot
	,00.00		dard)	161	496599	Base-Air Cleaner
	499181		Piston Assembly (.010	163		Gasket-Air Cleaner
	400400		"O.S.)	177		Seal-O-Ring
	499182		Piston Assembly (.020" O.S.)	187	299146	Line-Fuel (Čut to Required Length)
	499183		Piston Assembly (.030" O.S.)	197 202	95063 262683	Screw (Back Plate) Link-Mechanical Governor
26	499184		Ring Set, Piston (Stan-	203	280997	Crank-Bell
	400005		dard)	205	93971	Screw (Bell Crank)
	499285		Ring Set, Piston (.010 "O.S.)	209	262352	Spring-Governor
	499186		Ring Set, Piston (.020	211 212	261563 693985	Spring-Governor Link-Throttie
	.00.00		"O.S.)	215	224816	Guide-Air
	499187		Ring Set, Piston (.030	219	394348	Gear-Governor
27	263129		"O.S.)	220	222773	Washer-Thrust (Governor
28	498319		Lock-Piston Pin Pin Assembly, Piston (Std.)	222	491282	Gear) Bracket-Control
	498320		Pin Assembly-Piston (.005"	227	491297	Lever-Governor
			O.S.)	235	224995	Shield-Fuel Spray
29	498314		Rod-Connecting (Stan-	240	394358	Filter-Fuel
	498541		dard) . Rod-Connecting (.020	244	230318	Connector-Hose (Pulse Line)
32	95017		U.S.) Screw (Connecting Rod)	258	94930	Screw (Engine Sump)
33	390420		Valve-Exhaust (Include(s):	267 278	93897 94942	Screw (Casing Clamp) Washer (Governor Lever)
	494553		Keeper-Valve (Ref. No. 42))	297	94289	Nut-Wing (Air Filter
34	691302		Valve-Intake			Retainer)
35	65906		Spring-Valve (Intake)	304	691390	Housing-Blower
36 40	26828		Spring-Valve (Exhaust)	305	690960	Screw (Blower Housing)
41	221596 292260		Retainer-Valve (Exhaust) Retainer-Valve (Exhaust)	306 306A	222846	Shield-Cylinder
42	494553		Keeper-Valve	300A	223734 94930	Shield-Cylinder Screw (Cylinder Shield)
45	261368	•	Tappet-Valve	309	497596	Motor-Starter
46	214487		Camshaft	310	94003	Bolt (Starter Motor)
47	393415		Slinger-Oil	311	497608	Brush Set

BRIGGS & STRATTON ENGINE-MODEL NUMBER 461707, TYPE NUMBER 0145-E1

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
332	230674	Nut (Flywheel)	802	497607	Cap-End
333	394891	Armàture-Magneto	803	497604	Housing-Starter
334	94731	Screw (Magneto Armature)	807	693511	Spacer
337 [.]	802592	Plug-Spark	822	693497	Washer-Seal (Throttle
356	494705	Wire-Stop	0.47	405745	Shaft)
358	495868	Gasket Set	847	495715	Dipstick/Tube Assembly Terminal-Cable
383	89838	Wrench-Spark Plug	851 859	493880 693488 ●+	
386	693487	Gasket-Pump Body-Pump	861	393397	Kit-Fuel Pump
391 392		Spring-Pump Diaphragm	865	224774	Cover-Air Guide
404	223882	Washer (Governor Crank)	865A		Cover-Air Guide
423	94674	Screw (Air Cleaner Base)	868	497656	Seal-Valve
425	94823	Screw (Air Cleaner Cover)	868A	273312	Seal-Valve
432		- Cap-Spring	869	261463	Seat-Valve (Intake)
433		Diaphragm-Fuel Pump	870	262924	Seat-Valve (Exhaust)
434	693493	Cover-Diaphragm	871	261961	Bushing-Guide (Exhaust)
435	693494	Screw (Diaphragm Cover)	977	231218 393456	Bushing-Guide (Intake) Wire-Alternator
441	222875	Bracket-Oil Fill Filter-Air	877 881	495901	Plate-Cover
445 447	39401 9 93343	Screw (Air Guide Cover)	918	393815	Hose-Vacuum (Cylinder-To-
449	94882	Screw (Oil Fill Bracket)	0.0	0000.0	Impulse Pump)(Cut to
474	93474	Alternator			Required Length)
482	93621	Screw (Alternator)	934	94627	Screw (Fan Retainer)
510	497606	Drive-Starter	955	693513	Plug-Carburetor
513	398003	Clutch-Drive	968	225008	Cover-Air Cleaner
523	494947	Dipstick	971	805540	Screw (Upper Body To
525	495348	Tube-Oil Fill	4005	400457	Lower Body)
527	223167	Clamp-Tube	1005	498157	Fan-Flywheel Retainer-Fan
535	272490	Filter-Air	1006 1019	224901 496726	Label Kit
544 552	97603 262332	Armature-Starter Bushing (Governor Crank)	1036		Label Kit-Emission
	262331	Bushing (Governor Crank)	1051		Ring-Retaining
562	93853	Bolt-Carriage (Governor	1058		OwnerOs Manual
002	0000	Lever)	1081		Seal-O-Ring
569	272645	★ Gaskét-Base	1090	497605	Retainer-Brush
572	222892	Cover-Breather (Cylinder	1095		Gasket Set-Valve Overhaul
		#2)	1125		Screw (Cover Plate)
573	491304	Plate-Back		94675	Screw (Oil Slinger)
592	92278	Nut (Governor Lever)	1136	94297	Screw (Governor, Control
601	95162	Clamp-Hose	1137	220680	Rod) Washer (Governor, Control
615 615A	94296 93898	Retainer (Governor Crank) Retainer-Governor Shaft	1137	220000	Rod)
616	491530	Crank-Governor	1138	94298	Nut (Governor, Control Rod
634		★ Seal-Governor Shaft		0.1200	460707-0145-E1
634A		Washer-Foam			Replacement Engine
635	66538	Boot-Spark Plug			
637	693510	Washer-Seal			
643	496700	Retainer-Air Filter	*		Gasket Set, Ref Number
689	262337	Spring-Friction	_	358.	C. t Ka Def Nomber
697	93585	Screw (Drive Cap)	•		Carburetor Kit, Ref Number
725	280866	Shield-Heat	•	121.	Value Overhaul Kit, Ref
726 741	91362 262989	Gear-Ring Gear-Timing	•	Number 10	•
783	693059	Gear-Starter	+		Fuel Pump Kit, Ref Number
797	94010	Nut (Starter Terminal)	•	861	. a.a. r arrige range transcribes
797A		Nut (Starter Terminal)		★ ● ◆+	
801	394860	Cap-Drive	NOTE	: All compor	nent dimensions given in U.S. ch = 25.4 mm

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION





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

For in-home major brand repair service: Call 24 hours a day, 7 days a week

1-800-4-MY-HOME[™] (1-800-469-4663) Para pedir servicio de reparación a domicilio 1-800-676-5811

In Canada for all your service and parts needs call
Au Canada pour tout le service ou les pièces
1-800-665-4455

For the repair or replacement parts you need:

Call 6 am - 11 pm CST, 7 days a week

PartsDirect[™]

1-800-366-PART (1-800-366-7278)

Para ordenar piezas con entrega a domicilio 1-800-659-7084

For the location of a Sears Parts and Repair Center in your area:

Call 24 hours a day, 7 days a week 1-800-488-1222

For information on purchasing a Sears Maintenance Agreement or to inquire about an existing Agreement:

Call 9 am - 5 pm, Monday - Saturday **1-800-827-6655**

