Owner's Manual

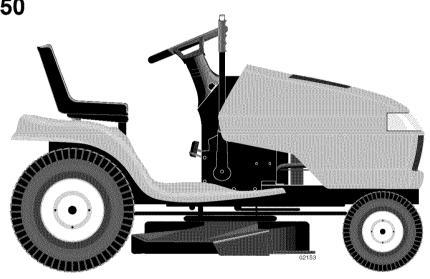
CRAFTZMAN®

LAWN TRACTOR

19.0 HP, 42" Mower Electric Start 6 Speed Transaxle

Model No.

917.274650





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

IMPORTANT:

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

1-800-659-5917 Sears Craftsman Help Line5 am - 5 pm, Mon - Sat

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

Visit our Craftsman website:www.sears.com/craftsman

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WARRANTY

LIMITED WARRANTY ON CRAFTSMAN RIDING EQUIPMENT

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

This Warranty does not cover:

- Expendable items which become worn during normal use, including but not limited to blades, spark plugs, air cleaners, belts, and oil filters.
 Standard Maintenance Servicing, oil changes, or tune-ups
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, including but not limited to, damage caused by towing objects beyond the capability of the riding equipment, impacting objects that bend the frame or crankshaft, or over-speeding the engine.
- Repairs necessary because of operator negligence, including but not limited to, electrical and mechanical damage caused by improper storage, failure to use the proper grade and amount of engine oil, failure to keep the deck clear of flammable debris, or failure to maintain the equipment according to the instructions contained in the owner's manual.
- Engine (fuel system) cleaning or repairs caused by fuel determined to be contaminated or oxidized (stale). In general, fuel should be used within 30 days of its purchase date.
- Normal deterioration and wear of the exterior finishes, or product label replacement.
- Riding equipment used for commercial or rental purposes.

LIMITED WARRANTY ON BATTERY

For ninety (90) days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge. During the first 30 days of purchase, there will be no charges to replace the battery at your HOME. After the first 30 days, for your convenience, IN-HOME warranty service will still be available but a trip charge will apply. This charge will be waived if the Craftsman product is dropped off at an authorized Sears location. For the nearest authorized Sears location, please call 1-800-4-MY-HOME®.

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

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

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

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.

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

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

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

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

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

I. GENERAL OPERATION

- Read, understand, and follow all instructions on the machine and in the manual before starting.
- Do not put hands or feet near rotating parts or under the machine. Keep clear of the discharge opening at all times.
- 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 blades.
- Be sure the area is clear of bystanders before operating. 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 direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blades when crossing gravel surfaces.
- Do not operate machine without the entire grass catcher, discharge guard, or other safety devices in place and working.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Disengage blades when not mowing. Shut off engine and wait for all parts to come to a complete stop before cleaning the machine, removing the grass catcher, or unclogging the discharge guard.
- Operate machine 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.
- Always wear eye protection when operating machine.
- Data indicates that operators, age 60 years and above, are involved in a large percentage of riding mower-related injuries. These operators should evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.
- Follow the manufacturer's recommendation for wheel weights or counterweights.
- Keep machine free of grass, leaves or other debris build-up which can touch hot exhaust / engine parts and burn. Do not allow the mower deck to plow leaves or other debris which can cause build-up to occur. Clean any oil or fuel spillage before operating or storing the machine. Allow machine to cool before storage.

SAFETY RULES

II. SLOPE OPERATION

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

- Mow up and down slopes, not across.
- Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Choose a low ground speed so that you will not have to stop or shift while on the slope.
- Do not mow on wet grass. Tires may lose traction.

 Always keep the machine in gear when
 - Always keep the machine in gear when going down slopes. Do not shift to neutral and coast downhill.
- Avoid starting, stopping, or turning on a slope. If the tires lose traction, disengage the blades and proceed slowly straight down the slope.
- Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction, which could cause the machine to roll over.
- Use extra care while operating machine with grass catchers or other attachments; they can affect the stability of the machine. Do no use on steep slopes.
- Do not try to stabilize the machine by putting your foot on the ground.
- Do not mow near drop-offs, ditches, or embankments. The machine could suddenly roll over if a wheel is over the edge or if the edge caves in.

III. CHILDREN

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

- Keep children out of the mowing area and in the watchful care of a responsible adult other than the operator.
- Be alert and turn machine off if a child enters the area.
- Before and while backing, look behind and down for small children.

- Never carry children, even with the blades shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over by the machine.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

IV. TOWING

- Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the hitch point.
- Follow the manufacturer's recommendation for weight limits for towed equipment and towing on slopes.
- Never allow children or others in or on towed equipment.
- On slopes, the weight of the towed equipment may cause loss of traction and loss of control.
- Travel slowly and allow extra distance to stop.

V. SERVICE SAFE HANDLING OF GASOLINE

To avoid personal injury or property damage, use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive.

- Extinguish all cigarettes, cigars, pipes, and other sources of ignition.
- Use only approved gasoline container.
- Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling.
- Never fuel the machine indoors.
- Never store the machine or fuel container where there is an open flame, spark, or pilot light such as on a water heater or other appliances.
- Never fill containers inside a vehicle or on a truck or trailer bed with plastic liner. Always place containers on the ground away from your vehicle when filling.

SAFETY RULES

- Remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment with a portable container, rather than from a gasoline dispenser nozzle.
- Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.
- If fuel is spilled on clothing, change clothing immediately.
- Never overfill fuel tank. Replace gas cap and tighten securely.

GENERAL SERVICE

- Never operate machine in a closed area.
- Keep all nuts and bolts tight to be sure the equipment is in safe working 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 and remove any fuel-soaked debris. Allow machine to cool before storing.
- If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before restarting.
- Never make any adjustments or repairs with the engine running.
- Check grass catcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.
- Maintain or replace safety and instruction labels, as necessary.











- Be sure the area is clear of bystanders before operating. 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, even with the blades shut off. They may fall off and be seriously injured or interfere with safe machine operation. Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over by the machine.
- Keep children out of the mowing area and in the watchful care of a responsible adult other than the operator.
- Be alert and turn machine off if a child enters the area.

- Before and while backing, look behind and down for small children.
- Mow up and down slopes (15° Max), not across.
- Choose a low ground speed so that you will not have to stop or shift while on the slope.
- Avoid starting, stopping, or turning on a slope. If the tires lose traction, disengage the blades and proceed slowly straight down the slope.
- If machine stops while going uphill, disengage blades, shift into reverse and back down slowly.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.

PRODUCT SPECIFICATIONS

Gasoline Capacity and Type:	4.0 Unleaded Regular		
Oil Type (API-SG-SL):		(above 32°F) (below 32°F)	
Oil Capacity:	3.0 Pints		
Spark Plug: (Gap: .030")	Champion F	RC12YC	
Ground Speed (MPH):	3rd 4th 5th	5.3	
Tire Pressure:	Front: Rear:	14 PSI 10 PSI	
Charging System: 15 Amps @3600 RPM			
Battery:	Amp/Hr: Min. CCA: Case Size:		
Blade Bolt Torque	: 27-35 Ft. LI	os.	

CONGRATULATIONS on your purchase of a new tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance. Should you experience any problem you cannot easily remedy, please contact a Sears or other qualified service center. We have competent, well-trained technicians and the proper tools to service or repair this tractor.

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

CUSTOMER RESPONSIBILITIES

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

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

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

REPAIR PROTECTION AGREEMENTS

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

Here's what's included in the Agreement:

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

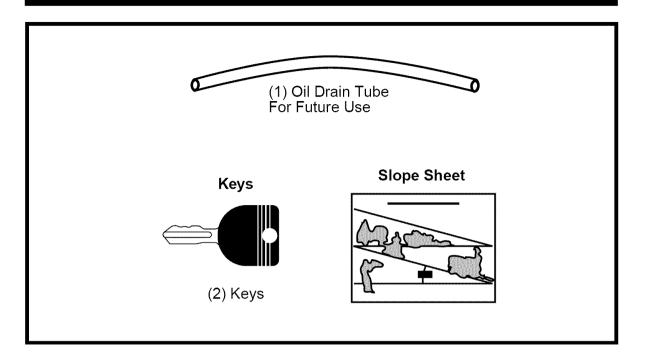
Once you purchase the Agreement, a simple phone call is all that it takes for you to schedule service. You can call anytime day or night, or schedule a service appointment online.

Sears has over 12,000 professional repair specialists, who have access to over 4.5 million quality parts and accessories. That's the kind of professionalism you can count on to help prolong the life of your new purchase for years to come. Purchase your Repair Protection Agreement today! Some limitations and exclusions apply. For prices and additional information call 1-800-827-6655.

SEARS INSTALLATION SERVICE

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

UNASSEMBLED PARTS



ASSEMBLY/PRE-OPERATION

Your new tractor has been assembled at the factory.

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

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

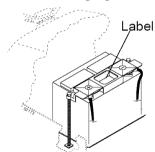
- Cut along dotted lines on all four panels of carton. Remove end panels and lay side panels flat.
- 2. Remove protective materials from tractor hood and grille.

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

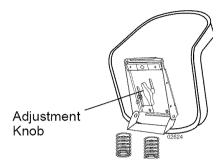
1. Lift hood to raised position.

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



ADJUST SEAT

- Raise seat and loosen adjustment knob.
- Lower seat into operating position and sit in seat.
- 3. Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down.
- 4. Get off seat without moving its adjusted position.
- 5. Raise seat and tighten adjustment knob securely.



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

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

- Press lift lever plunger and raise attachment lift lever to its highest position.
- 2. Release parking brake by depressing clutch/brake pedal.
- 3. Place gearshift lever in neutral (N) position.
- 4. Roll tractor forward off skid.
- 5. Remove banding holding deflector shield up against tractor.

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

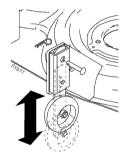
WARNING: Before starting, read, understand and follow all instructions in the Operation section of this manual. Be sure tractor is in a well-ventilated area. Be sure the area in front of tractor is clear of other people and objects.

- 1. Be sure all the above assembly steps have been completed.
- 2. Check engine oil level and fill fuel tank with gasoline.
- Sit on seat in operating position, depress clutch/brake pedal and set the parking brake.
- 4. Place gear shift lever in neutral (N) position.
- 5. Press lift lever plunger and raise attachment lift lever to its highest position.

- 6. Start the engine. After engine has started, move throttle control to idle position.
- 7. Depress clutch/brake pedal into full "BRAKE" position and hold. Move gearshift lever to 1st gear.
- 8. Slowly release clutch/brake pedal and slowly drive tractor off skid.
- 9. Apply brake to stop tractor, set parking brake and place gearshift lever in neutral position.
- 10. Turn ignition key to "STOP" position. Continue with the instructions that follow.

REPOSITION RIGHT REAR GAUGE WHEEL

For shipping purposes, the right rear gauge wheel assembly is mounted upside down on the mower. Remove the gauge wheel assembly and reinstall from the bottom as shown. To adjust gauge wheels, see the Operation section in this manual.



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:

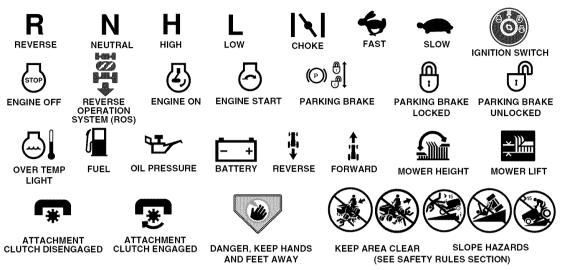
- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were overinflated 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.

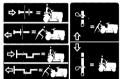
While learning how to use your tractor, pay extra attention to the following important items:

- ✓ Engine oil is at proper level.
- ✓ Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- ✓ Become familiar with all controls their location and function. Operate them before you start the engine.
- ✓ Be sure brake system is in safe operating condition.
- ✓ Be sure Operator Presence System and Reverse Operation System (ROS) are working properly (See the Operation and Maintenance sections in this manual).

OPERATION

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





(Automatic Models only)

FREE WHEEL



LIGHTS ON



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



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



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

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



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



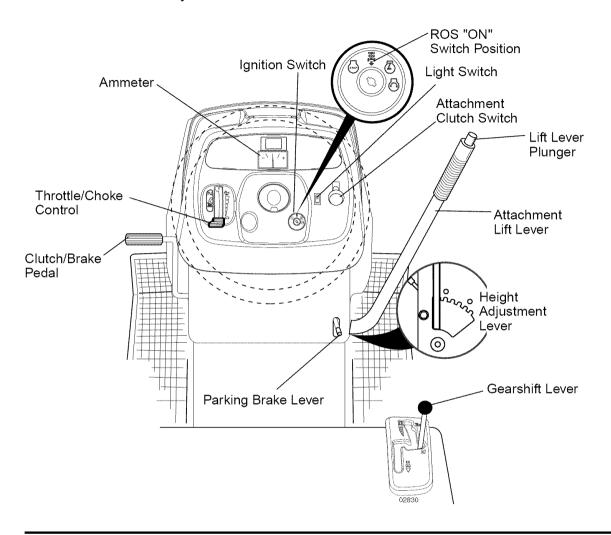
FIRE indicates a hazard which, if not avoided, could result in death, serious injury and/or property damage.

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

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 SWITCH- Used to engage the mower blades, or other attachments mounted to your tractor.

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

GEARSHIFT LEVER - Selects the speed and direction of tractor.

IGNITION SWITCH - Used for starting and stopping the engine.

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

LIGHT SWITCH - Turns the headlights on and off

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

THROTTLE/CHOKE CONTROL - Used for starting and controlling engine speed. REVERSE OPERATION SYSTEM (ROS) "ON" POSITON - Allows operation of mower deck or other powered attachment while in reverse.

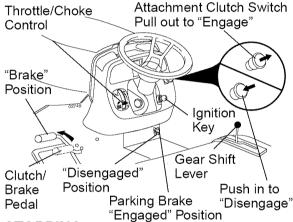


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety 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 all the way down and hold.
- Pull parking brake lever up and release pressure from clutch/brake pedal.
 Pedal should remain in brake position.
 Make sure parking brake will hold tractor secure.



STOPPING

MOWER BLADES -

 To stop mower blades, push attachment clutch switch in to disengaged position.

GROUND DRIVE -

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

ENGINE -

 Move throttle control between half and full speed (fast) position.

NOTE: Failure to move throttle control between half and full speed (fast) position, before stopping, may cause engine to "backfire".

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

IMPORTANT: Leaving the ignition switch in any position other than "STOP" will cause the battery to discharge and go dead.

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

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

TO USE THROTTLE CONTROL

Always operate engine at full throttle.

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

TO MOVE FORWARD AND BACKWARD

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

- Start tractor with clutch/brake pedal depressed and gearshift lever in neutral (N) position.
- Move gearshift lever to desired position.
- 3. 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 position of the attachment lift lever determines the cutting height.

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

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

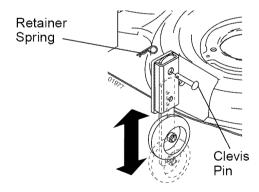
- The average lawn should be cut to approximately 2-1/2 inches during the cool season and to over 3 inches during hot months.
 For healthier and better looking lawns, mow often and after moderate growth.
- For best cutting performance, grass over 6 inches in height should be mowed twice. Make the first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

TO 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. **NOTE:** Be sure tractor is on a flat level surface.

- Lower mower and adjust mower to desired cutting height(See "TO ADJUST MOWER CUTTING HEIGHT" in this section of manual).
- 2. Remove retainer spring and clevis pin which secure each gauge wheel bar.
- 3. Lower gauge wheels to ground. Raise gauge wheels slightly to align holes in bracket and gauge wheel bar and insert clevis pin. Gauge wheels should be slightly off the ground.
- 4. Replace retainer spring into clevis pin.
- 5. Be sure all gauge wheels are in the same setting.

IMPORTANT: Be sure to readjust gauge wheels if you change the cutting height of the mower deck.



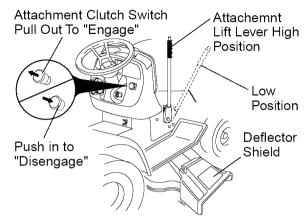
TO OPERATE MOWER

Your tractor is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut off the engine. You must remain fully and centrally positioned in the seat to prevent the engine from hesitating or cutting off when operating your equipment on rough, rolling terrain or hills.

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

TO STOP MOWER BLADES - disengage attachment clutch control.

CAUTION: Do not operate the mower without either the entire grass catcher, on mowers so equipped, or the deflector shield in place.



REVERSE OPERATION SYSTEM (ROS)

Your tractor is equipped with a Reverse Operation System (ROS). Any attempt by the operator to travel in the reverse direction with the attachment clutch engaged will shut off the engine unless ignition key is placed in the ROS "ON" position.

AWARNING: Backing up with the attachment clutch engaged while mowing is strongly discouraged. Turning the ROS "ON", to allow reverse operation with the attachment clutch engaged, should only be done when the operator decides it is necessary to reposition the machine with the attachment engaged. Do not mow in reverse unless absolutely necessary.

USING THE REVERSE OPERATION SYSTEM -

- 1. Depress clutch/brake pedal all the way down and hold.
- 2. With engine running, turn ignition key counterclockwise to ROS "ON" position.
- 3. Look down and behind before backing.
- 4. Move gear shift lever to reverse (R) position and slowly release clutch/brake pedal to start movement.
- When use of the ROS is no longer needed, turn the ignition key clockwise to engine "ON" position.

ROS "ON" Position

Engine "ON" Position (Normal Operating)





TO OPERATE ON HILLS

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

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move 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 ATTACH-MENTS

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

BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL

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

- 1. Check engine oil with tractor on level ground.
- Pull up and remove oil fill cap/dipstick; wipe oil off. Reinsert the dipstick into the tube and push down firmly into place. Remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.

- For cold weather operation you should change oil for easier starting (See the oil viscosity chart in the Maintenance section of this manual).
- To change engine oil, see the Maintenance section in this manual.

ADD GASOLINE

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

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

IMPORTANT: When operating in temperatures below32°F(0°C), use fresh, clean winter grade gasoline to help insure good cold weather starting.

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

TO START ENGINE

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

- 1. Sit on seat in operating position, depress clutch/brake pedal and set parking brake.
- 2. Place gear shift lever in neutral (N) position.
- 3. Move attachment clutch to disengaged position.
- 4. Move throttle control to choke position. **NOTE:** Before starting, read the warm and cold starting procedures below.

5. Insert key into ignition and turn key clockwise to start position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If the engine does not start after several attempts, move throttle control to fast position, wait a few minutes and try again. If engine still does not start, move the throttle control back to the choke position and retry.

WARM WEATHER STARTING (50° F and above)

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

COLD WEATHER STARTING (50° F and below)

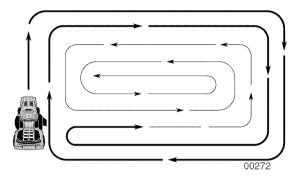
- 6. When engine starts, leave throttle control in choke position until engine warms up and begins to run roughly. Once rough running begins, immediately move the throttle control to the fast position. Engine warm-up may take from several seconds to several minutes (the colder the temperature, the longer the warm-up).
- The attachments can also be used during the engine warm-up period.

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

- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has already been cut. Have the cut area to the right of the tractor. This will result in a more even distribution of clippings and more uniform cutting.

 When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished.



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

MAINTENANCE

AS	MAINTENANCE SCHEDUL LL IN DATES YOU COMPLETE EGULAR SERVICE	.E	EFORE	EACH U	MERY 2	SHOUP SHOUP VERY E	S HOUR	O HOL	RS ON SEASON SEFORE	SERVICE SERVICE	CE DATES	
	Check Brake Operation	1	/									
l	Check Tire Pressure	1	~									1
┰	Check Operator Presence and ROS Systems	~					-					
Ŗ	Check for Loose Fasteners	V				1 5		1				1
AC	Sharpen/Replace Mower Blades			1 /3								1
Ι¥	Lubrication Chart			1				1				
Ιċ	Check Battery Level			1 /4								
R	Clean Battery and Terminals			1				1				
l	Check Transaxle Cooling			1								
	Check V-Belts					1						1
	Check Engine Oil Level	1	1									1
l	Change Engine Oil (with oil filter)				V 1,2	2		1				1
ΙE	Change Engine Oil (without oil filter)			1 1,2				1				
N	Clean Air Filter			1/2								
G	Clean Air Screen			1/2								1
Ι'n	Inspect Muffler/Spark Arrester				V							1
E	Replace Oil Filter (If equipped)					1 1,2						1.
-	Clean Engine Cooling Fins					1/2						maini_scri-liacione.acos
l	Replace Spark Plug					~	1					S01-112
	Replace Air Filter Paper Cartridge					1 2						101018
	Replace Fuel Filter						1					100.0

- 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 Replace blades more often when mowing in sandy soil.
- 4 Not required if equipped with maintenance-free battery.
- 5 Tighten front axle 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.

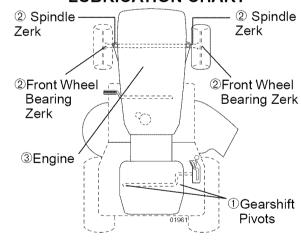
At least once a season, check to see if you should make any of the adjustments described in the Service and Adjustments section of this manual.

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

BEFORE EACH USE

- 1. Check engine oil level.
- 2. Check brake operation.
- Check tire pressure.
- 4. Check operator presence and ROS systems for proper operation.
- Check for loose fasteners.

LUBRICATION CHART



- ①SAE 30 or 10w30 Motor Oil
- 2 General Purpose Grease
- 3 Refer to Maintenance "ENGINE" Section

IMPORTANT: Do not oil or grease the pivot points which have special nylon bearings. Viscous lubricants will attract dust and dirt that will shorten the life of the self-lubricating bearings. If you feel they must be lubricated, use only a dry, powdered graphite type lubricant sparingly.

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

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

The engine should not start unless the brake pedal is fully depressed, and the attachment clutch control is in the disengaged position.

CHECK OPERATOR PRESENCE SYSTEM

- 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.

ROS "ON" Position

Engine "ON" Position (Normal Operating)





CHECK REVERSE OPERATION (ROS) SYSTEM

- When the engine is running with the ignition switch in the engine "ON" position and the attachment clutch engaged. any attempt by the operator to shift into reverse should shut off the engine.
- When the engine is running with the ignition switch in the ROS "ON" position and the attachment clutch engaged. any attempt by the operator to shift into reverse should NOT shut off the engine.

BLADE CARE

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

A CAUTION: Use only a replacement blade approved by the manufacturer of your tractor. Using a blade not approved by the manufacturer of your tractor is hazardous, could damage your tractor and void vour warranty.

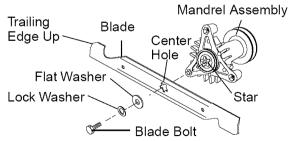
BLADE REMOVAL

- 1. Raise mower to highest position to allow access to blades.
- 2. Remove blade bolt, lock washer and flat washer securing blade.
- 3. 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.

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

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



TO SHARPEN BLADE

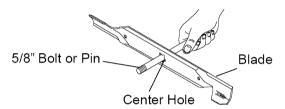
NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration and eventual damage 17^{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.

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

TRANSAXLE COOLING

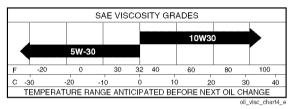
Keep transaxle free from build-up of dirt and chaff which can restrict cooling.

V-BELTS

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

ENGINE LUBRICATION

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

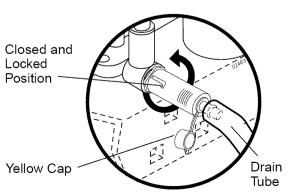


Change the oil after every 50 hours of operation or at least once a year if the tractor is not used for 50 hours in one year. Check the crankcase oil level before starting the engine and after each eight (8) hours of operation.

TO CHANGE ENGINE OIL

Determine temperature range expected before oil change. All oil must meet API service classification SG-SL.

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



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

ENGINE OIL FILTER

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

AIR FILTER

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

1. Loosen knobs and remove cover.

TO SERVICE PRE-CLEANER

- 2. Remove foam pre-cleaner from cover.
- 3. Wash it in liquid detergent and water.
- 4. Squeeze it dry in a clean cloth. Allow it to dry.
- 5. Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.

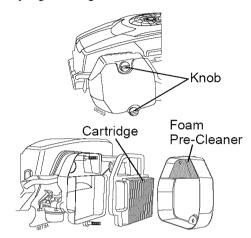
TO SERVICE CARTRIDGE

Replace a dirty, bent, or damaged cartridge. Handle new cartridge carefully; do not use if the rubber seal is damaged.

NOTE: Do not wash the paper cartridge or use pressurized air, as this will damage the cartridge.

- 1. Remove cartridge.
- 2. Gently tap pleated side of cartridge to dislodge dirt.

- Install cleaned or new cartridge with the pleated side "out" and seat the rubber seal onto the edges of the air cleaner base.
- 4. Reinstall the pre-cleaner (cleaned and oiled) into the cover. Make sure the hole in pre-cleaner is aligned with the upper mounting knob.
- 5. Reinstall air cleaner cover and secure by tightening knobs.



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.

CLEAN AIR INTAKE/COOLING AREAS

To insure proper cooling, make sure the grass screen, cooling fins, and other external surfaces of the engine are kept clean at all times.

Every 100 hours of operation (more often under extremely dusty, dirty conditions). remove the blower housing and other cooling shrouds. Clean the cooling fins and external surfaces as necessary. Make sure the cooling shrouds are reinstalled.

NOTE: Operating the engine with a blocked grass screen, dirty or plugged cooling fins, and/or cooling shrouds removed will cause engine damage due to overheating.

MUFFLER

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

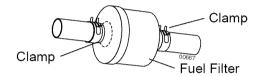
SPARK PLUG(S)

Replace spark plug(s) at the beginning of each mowing season or after every 100 hours of operation, whichever occurs first. Spark plug type and gap setting are shown in "PRODUCT SPECIFICATIONS" 19 section of this manual.

IN-LINE FUEL FILTER

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

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



CLEANING

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

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

SERVICE AND ADJUSTMENTS



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

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

TRACTOR TO REMOVE MOWER

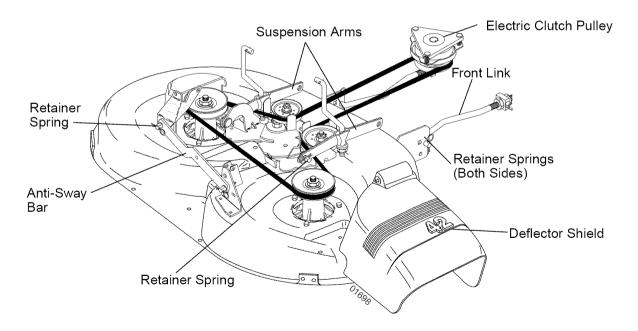
Mower will be easier to remove from the right side of tractor.

- 1. Place attachment clutch switch in "DIS-ENGAGED" position.
- 2. Move attachment lift lever forward to lower mower to its lowest position.
- 3. Roll belt off electric clutch pulley.
- 4. Disconnect anti-sway bar from chassis bracket by removing retainer spring.
- 5. Disconnect suspension arms from rear deck brackets by removing retainer springs.
- 6. 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.

TO INSTALL MOWER

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



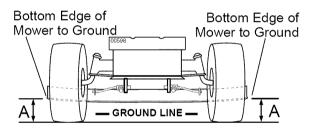
TO LEVEL MOWER HOUSING

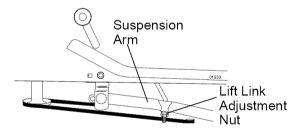
Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PROD-UCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower.

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". 6.0 Recheck measurements after adjusting.





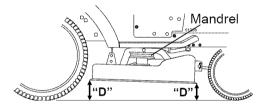
FRONT-TO-BACK ADJUSTMENT

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

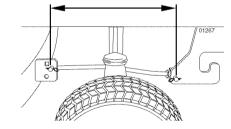
To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/8" to 1/2" lower than the rear when the mower is in its highest position.

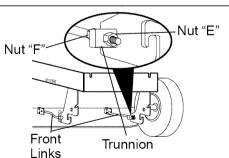
Check adjustment on right side of tractor. Measure distance "D" directly in front of and behind the mandrel at bottom edge of mower housing as shown.

- Before making any necessary adjustments, check that both front links are equal in length.
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns. The two front links must remain equal in length.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.



BOTH FRONT LINKS MUST BE EQUAL IN LENGTH





TO REPLACE MOWER BLADE DRIVE BELT

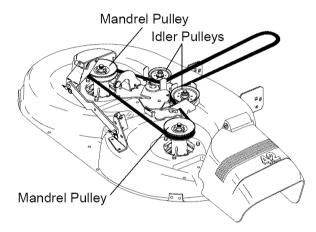
The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake.

BELT REMOVAL -

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

BELT INSTALLATION -

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



TO CHECK AND ADJUST BRAKE

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

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

TO CHECK BRAKE

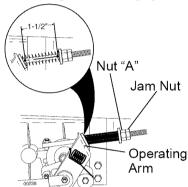
- Park tractor on a level, dry concrete or paved surface, depress clutch/brake pedal all the way down and engage parking brake.
- 2. Place gear shift lever in neutral (N) position.

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

TO ADJUST BRAKE

- 1. Depress clutch/brake pedal all the way down and engage parking brake.
- 2. Measure distance between brake operating arm and nut "A" on brake rod.
- 3. If distance is other than 1-1/2", loosen jam nut and turn nut "A" until distance becomes 1-1/2". Retighten jam nut against nut "A".
- 4. Road test tractor for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than five (5) feet in highest gear, further maintenance is necessary. Replace brake pads or contact a Sears or other qualified service center.

With Parking Brake "Engaged"



TO REPLACE MOTION DRIVE BELT

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

BELT REMOVAL -

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

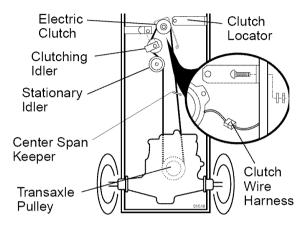
NOTE: Observe entire motion drive belt and position of all belt guides and keepers.

- 2. Disconnect clutch wire harness.
- 3. Remove clutch locator.
- 4. Remove belt from stationary idler and clutching idler.
- 5. Remove belt downward from engine pulley and around electric clutch.
- 6. Pull belt slack toward rear of tractor. Remove belt upwards from transaxle pulley by deflecting belt keepers.
- 7. Remove belt from center span keeper and pull belt away from tractor.

BELT INSTALLATION -

- Carefully work new belt down between transaxle belt keepers and onto the input pulley.
- 2. Slide belt into the center span keeper.

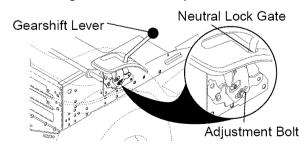
- 3. Pull belt toward front of tractor and roll belt around electric clutch and onto engine pulley.
- Install belt through stationary idler and clutching idler.
- 5. Reinstall clutch locator and tighten nut securely.
- 6. Reconnect clutch harness.
- Make sure belt is in all pulley grooves and inside all belt guides and keepers.
- 8. Install mower (See "TO INSTALL MOWER" in this section of manual).



TRANSAXLE GEAR SHIFT LEVER NEU-TRAL 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:

- 1. 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.
- 3. Position the gear shift lever in the neutral (N) position.
- 4. 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 ALIGN-MENT

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

FRONT WHEEL TOE-IN/CAMBER

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

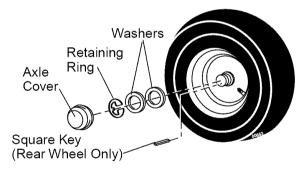
TO REMOVE WHEEL FOR REPAIRS

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

NOTE: On rear wheels only: align grooves in rear wheel hub and axle. Insert square key.

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

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



TO START ENGINE WITH A WEAK BAT-TERY

WARNING: 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:

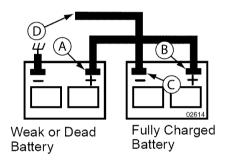
IMPORTANT: Your tractor is equipped with a 12 volt system. The other vehicle must also be a 12 volt system. Do not use your tractor battery to start other vehicles.

TO ATTACH JUMPER CABLES -

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

TO REMOVE CABLES, REVERSE ORDER -

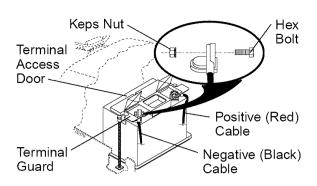
- 1. BLACK cable first from chassis and then from the fully charged battery.
- 2. RED cable last from both batteries.



REPLACING BATTERY

WARNING: Do not short battery terminals by allowing a wrench or any other object to contact both terminals at the same time. Before connecting battery, remove metal bracelets, wristwatch bands, rings, etc. Positive terminal must be connected first to prevent sparking from accidental grounding.

- 1. Lift hood to raised position.
- Remove terminal guard.
- 3. Disconnect BLACK battery cable then RED battery cable and carefully remove battery from tractor.
- 4. Install new battery with terminals in same position as old battery.
- 5. 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

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

INTERLOCKS AND RELAYS

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

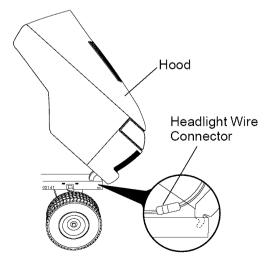
 Check wiring. See electrical wiring diagram in the Repair Parts section.

TO REPLACE FUSE

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

TO REMOVE HOOD AND GRILL AS-SEMBLY

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



ENGINE

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

TO ADJUST THROTTLE CONTROL CABLE

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

- With engine not running, move throttle control lever from slow to choke position. Slowly move lever from choke to fast position.
- Check to see if hole in throttle lever and hole in speed control bracket are aligned.
- If holes are not aligned, loosen cable clamp screw and align the holes by inserting a pencil or a 1/4" drill bit through both holes.
- Pull throttle cable up to remove slack and tighten cable clamp screw. Remove alignment pencil or drill bit.

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

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

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

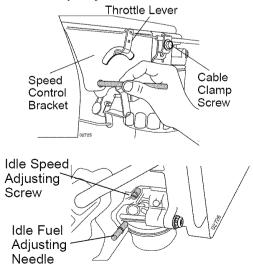
- 1. Be sure you have a clean air filter and the throttle control cable is adjusted properly (see above).
- Start engine and allow to warm for five minutes. Make adjustments with engine running and shift/motion control lever in neutral (N) position.
- 3. <u>Idle speed setting</u> With throttle control lever in slow position, engine should idle at 1750 RPM. If engine idles too slow or fast, turn idle speed adjusting screw in or out until correct idle is attained.
- 4. <u>Idle fuel needle setting</u> With throttle control lever in slow position, turn idle fuel adjustment needle in (clockwise) until engine begins to die and then turn out (counterclockwise) until engine runs rough. Turn needle to a point midway between those two positions.
- 5. Recheck idle speed. Readjust if necessary.

ACCELERATION TEST -

 Move throttle control lever from slow to fast position. If engine hesitates or dies, turn idle fuel adjusting needle 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 a Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.



STORAGE

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

ACAUTION: 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.

- 1. Clean entire tractor (See "CLEANING" in the Maintenance section of this manual).
- Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual).
- 3. Lubricate as shown in the Maintenance section of this manual.
- Be sure that all nuts, bolts and screws are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- 5. 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 hose, or tank during storage. Also, alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

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

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

ENGINE OIL

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

CYLINDER(S)

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

OTHER

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

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

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

PROBLEM	CAUSE	CORRECTION
Will not start	 Out of fuel. Engine not "CHOKED" properly. Engine flooded. Bad spark plug. Dirty air filter. Dirty fuel filter. Water in fuel. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Fill fuel tank. See "TO START ENGINE" in Operation section. Wait several minutes before attempting to start. Replace spark plug. Clean/replace air filter. Replace fuel filter. Empty fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. Check all wiring. See "To Adjust Carburetor" in Service and Adjustments section. Contact a Sears or other qualified service center.
Hard to start	 Dirty air filter. Bad spark plug. Weak or dead battery. Dirty fuel filter. Stale or dirty fuel. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Clean/replace air filter. Replace spark plug. Recharge or replace battery. Replace fuel filter. Empty fuel tank and refill tank with fresh, clean gasoline. Check all wiring. See "To Adjust Carburetor" in Service and Adjustments section. Contact a Sears or other qualified service center.
Engine will not turn over	 Clutch/brake pedal not depressed. Attachment clutch is engaged. Weak or dead battery. Blown fuse. Corroded battery terminals. Loose or damaged wiring. Faulty ignition switch. Faulty solenoid or starter. Faulty operator presence switch(es). 	 Depress clutch/brake pedal. Disengage attachment clutch. Recharge or replace battery. Replace fuse. Clean battery terminals. Check all wiring. Check/replace ignition switch. Check/replace solenoid or starter. Contact a Sears or other qualified service center.
Engine clicks but will not start	 Weak or dead battery. Corroded battery terminals. Loose or damaged wiring. Faulty solenoid or starter. 	 Recharge or replace battery. Clean battery terminals. Check all wiring. Check/replace solenoid or starter.

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

PROBLEM	CAUSE	CORRECTION
Loss of power	1. Cutting too much grass/too	1. Raise cutting height/reduce
	 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. 	 Clean underside of mower housing. Clean/replace air filter. Check oil level/change oil. Clean and regap or change
	7. Dirty fuel filter.8. Stale or dirty fuel.9. Water in fuel.	spark plug. 7. Replace fuel filter. 8. Empty fuel tank and refill tank with fresh, clean gasoline. 9. Empty fuel tank and carburetor, refill tank with fresh gas-
	10.Spark plug wire loose.	oline and replace fuel filter. 10. Connect and tighten spark plug wire.
	11. Dirty engine air screen/fins.12. Dirty/clogged muffler.13. Loose or damaged wiring.14. Carburetor out of adjustment.	11. Clean engine air screen/fins.12. Clean/replace muffler.13. Check all wiring.
	15.Engine valves out of adjustment.	15. Contact a Sears or other qualified service center.
Excessive vibration	 Worn, bent or loose blade. Bent blade mandrel. Loose/damaged part(s). 	 Replace blade. Tighten blade bolt. Contact a Sears or other qualified service center. Tighten loose part(s). Replace damaged parts.
Engine dies when tractor is shifted into reverse	Reverse operation system (ROS) is not "ON" while mower or other attachment is engaged.	Turn ignition key to ROS "ON" position. See Operation section.
Engine continues to run when operator leaves seat with attach- ment clutch engaged	Faulty operator-safety presence control system.	Check wiring, switches and connections. If not corrected, contact Sears or other qualified service center.
Poor cut - uneven	 Worn, bent or loose blade. Mower deck not level. Buildup of grass, leaves, and trash under mower. Bent blade mandrel. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	 Replace blade. Tighten blade bolt. Level mower deck. Clean underside of mower housing. Contact a Sears or other qualified service center. Clean around mandrels to open vent holes.

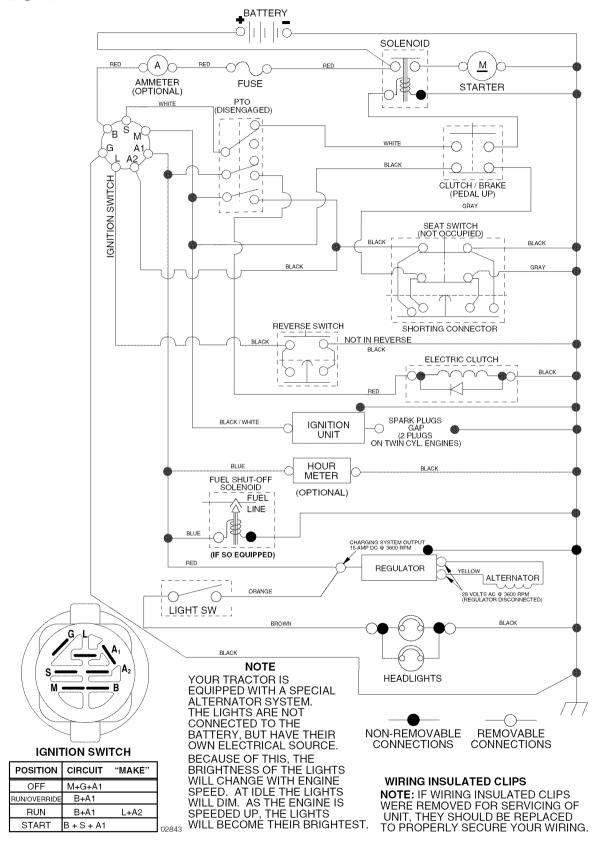
TROUBLESHOOTING CHART: See appropriate section in manual unless directed to Sears service center

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. Contact a Sears or other qualified service center.
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) or lamp(s) burned out. Faulty light switch. Loose or damaged wiring. Blown fuse. 	 Turn switch "ON". Replace bulb(s) or lamp(s). Check/replace light switch. Check wiring and connections. Replace fuse.
Battery will not charge	 Bad battery cell(s). Poor cable connections. Faulty regulator (if so equipped). Faulty alternator. 	 Replace battery. Check/clean all connections. Replace regulator. Replace alternator.
Engine "backfires" when turning engine "OFF"	Engine throttle control not set between half and full speed (fast) position before stopping engine.	Move throttle control between half and full speed (fast) position before stopping engine.

TRACTOR - - MODEL NUMBER 917.274650

SCHEMATIC

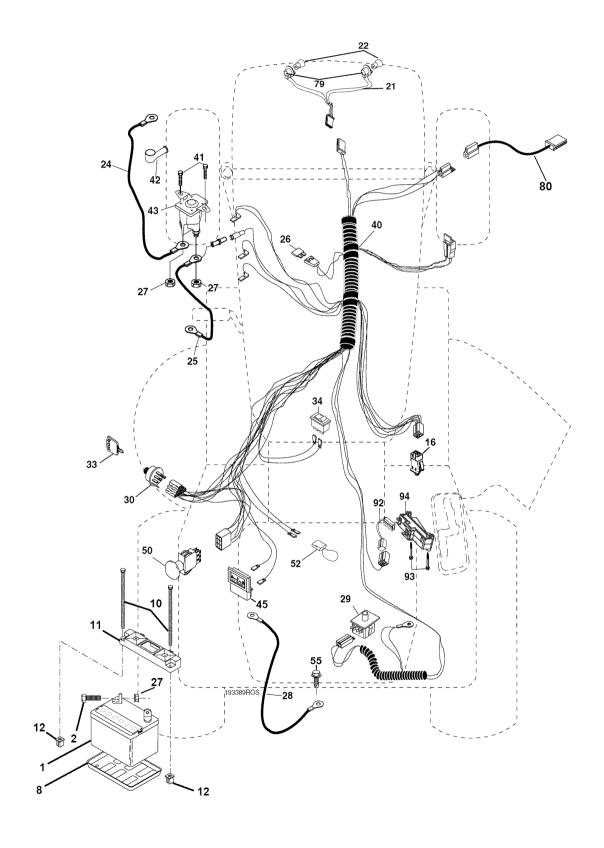
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REPAIR PARTS

TRACTOR - - MODEL NUMBER 917.274650

ELECTRICAL



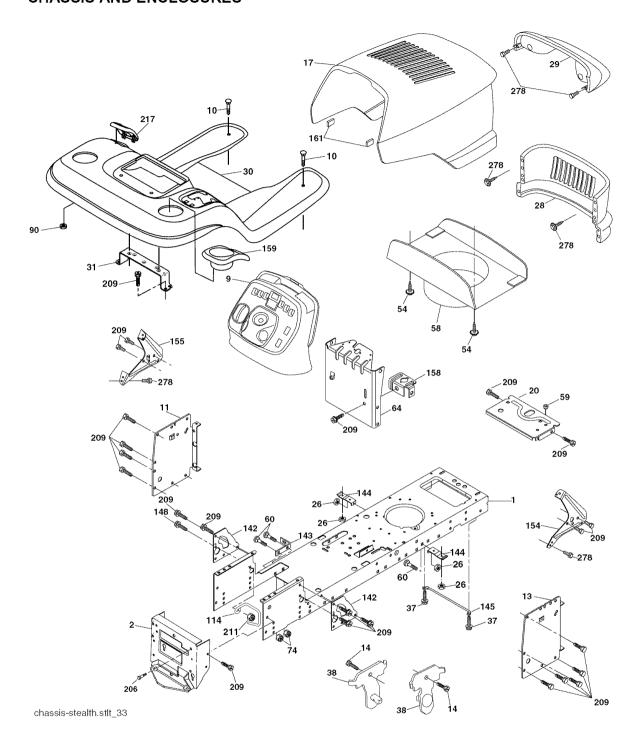
TRACTOR - - MODEL NUMBER 917.274650

ELECTRICAL

	PART NO.	DESCRIPTION
KEY NO . 1 2 8 10 11 22 24 25 27 29 33 34 40 41 42 45 55 59 89 2	NO. 144927 74760412 7603J 145211 150109 145769 176138 175688 4152J 8860R 146148 175158 73510400 145491 192749 193350 140403 110712X 193389 17720408	DESCRIPTION Battery Bolt, Hex 1/4-20 x 3/4 Tray, Battery Bolt, Battery, Front 1/4-20 x 7-1/2 Holddown, Battery, Front Nut, Push, Nylon, Battery, Front 1/4 Switch, Interlock Harness, Light Bulb Light #1156 Cable Starter Cable Fuse Nut, Hex, Keps 1/4-20 unc Cable, Ground Switch, Seat Switch, Ignition Key Switch Light/Reset Harness, Ignition Screw Thd Cut 1/4-20 x 1/2 Cover Terminal Solinoid w/brass plunger Ammeter Switch, PTO Protection Wire Loop Screw, Thd. Roll 5/16-18 x 1/2 Socket Asm Bulb Twistlock Harness Clutch EVX Harness Pigtail Reverse Switch
93 94	192540 191834	Screw Plastite 10-24 x 2.0 Module Reverse ROS

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

TRACTOR - - MODEL NUMBER 917.274650 CHASSIS AND ENCLOSURES



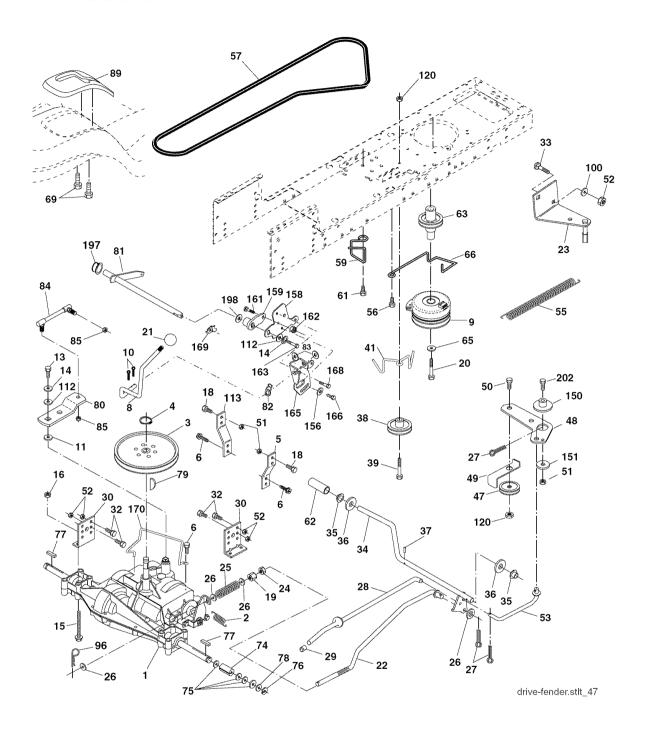
TRACTOR - - MODEL NUMBER 917.274650 CHASSIS AND ENCLOSURES

142 175702 Plate Reinforcement 143 186689 Bracket Swaybar Chassis 144 175582 Bracket Footrest 145 156524 Rod Pivot Chassis/Hood 148 17060620 Screw 3/8-16 x 1-1/4 154 161897 Bracket Dash Rh 155 161900 Bracket Dash Lh 158 162037 Parking Brake Bkrt 159 191120X428 Cupholder 161 164655 Bumper 206 170165 Bolt Shoulder 5/16-18 209 17000612 Screw Hexwsh Thdr 3/8-16 x 3/4 211 145212 Nut Hexflange Lock 217 179132X428 Console Fuel Window	11 167203 Panel, D 13 188702X010 Panel, D 14 17490608 Screw T 17 175260X428 Hood As 20 162026 Plate Ba 26 STD541437 Locknut, 28 174515X428 Grille 29 161840 Lens Ba 30 192395X428 Fender/f 31 139976 Bracket, 37 17490508 Screw, T 38 175710 Bracket, 37 17490508 Screw, T 38 175710 Bracket, 54 192512 Screw W 58 175351 Duct Ho 59 187495 Bushing 60 STD533707 Bolt Rdh 59 187495 Bushing 60 STD533707 Bolt Rdh 74 STD541437 Nut Crov 90 124346X Nut Self- 114 158112 Keeper E 142 175702 Plate Re 143 186689 Bracket 144 175582 Bracket 145 156524 Rod Pivo 148 17060620 Screw 3 154 161897 Bracket 148 17060620 Screw 3 154 161897 Bracket 155 161900 Bracket 158 162037 Parking 159 191120X428 Cuphold 161 164655 Bumper 206 170165 Bolt Sho 209 17000612 Screw H 211 145212 Nut Hex	HD SQNK 3/8-16 x 1 ash, LH ash, RH ndrol 3/8-16 x 1/2 sembly ttery Hex, with Insert 3/8-16 unc r Footrest Fender/Support hdrol. 5/16-18 x 1/2 TYT Asm Pivot Mower Rear /shd Hex 10-32 x 5/8 od d Sqnk 3/8-16 unc x 3/4 wer vnlock 3/8-16 unc -Thd Wsh-Hd 1/4 Belt Rear LH inforcement Swaybar Chassis Footrest ot Chassis/Hood /8-16 x 1-1/4 Dash Rh Dash Lh Brake Bkrt er ulder 5/16-18 exwsh Thdr 3/8-16 x 3/4
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NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

TRACTOR - - MODEL NUMBER 917.274650

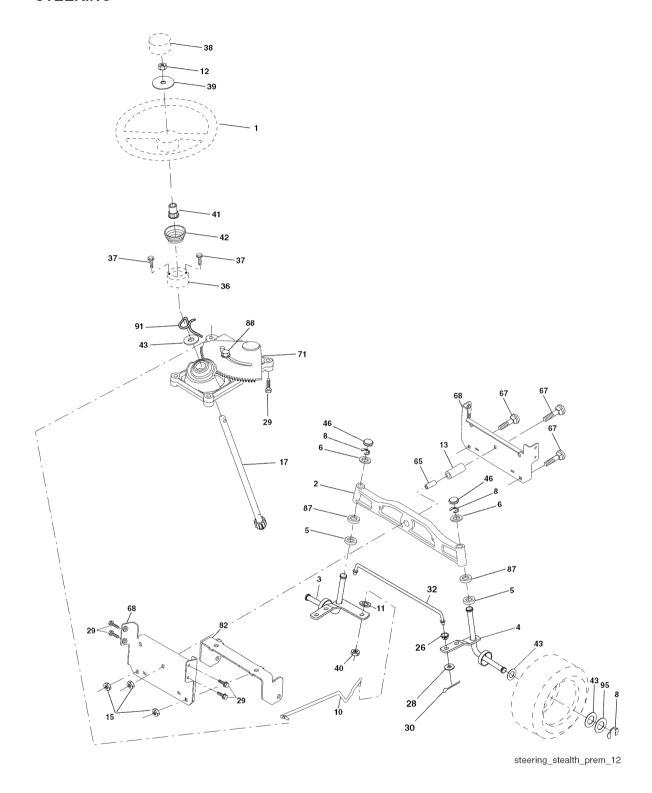
GROUND DRIVE



GROUND DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 234568910113145689101134568921223456789333345678991789555355	STD523710 STD541437 150280 106933X 130804 171258 STD541237 106888X STD551037 STD561210 175765 124236X 169592 STD523107 72140506 175578 120183X STD551062 STD571810 179114 72110622 175556 127783 154407 123205X 72110612 STD541437	Washer, Shift Plate Bolt 1/4-28 UNF W/Patch Gr. 8 Washer Lock Hvy Helical Bolt Hex FLGHD 5/16-18 Gr. 5 Nut Lock Hx W/Ins 5/16-18 unc Bolt Fin Hex 3/8-16 unc x 1 Gr. 5 Nut Bolt Hex 7/16-20 x 4-1/4 Gr. 5 Knob Rod, Brake Bracket Anti-Rotation Nut Spring, Brake Rod Washer Pin Rod, Parking Brake Cap, Parking Brake Cap, Parking Brake Bracket, Transaxle Bolt Bolt Rdhd Sqnk 5/16-18 unc x 3/4 Shaft Assembly, Foot Pedal Bearing, Nylon Washer	57 59 61 62 63 65 66 69 74 75 77 80 81 82 83 84 85 89 96 100 113 150 151 163 165 166 167 197 198 198 198 198 198 198 198 198 198 198	130801 169691 17120614 123533X 175414 STD551143 154778 142432 137057 121749X STD581075 123583X 121748X STD580025 145090 165592 165711 19171216 166231 150360 192388X428 STD624003 19111016 19091210 127285X 73900600 175456 19133210 166002 165589 183900 72140406 73680400 74780416 165623 17490510 165492 165580 187414 169613 169593 72110614	Keeper, Belt, Engine, Fool Proof Screw Hex Wsh Hi-Lo 1/4-1/2 unc Spacer, Axle Washer 25/32 x 1-1/4 x 16 Ga. E-Ring Key, Square 2.0 x .1845/1865 Washer 25/32 x 1-5/8 x 16 Ga. Key Woodruff Arm, Shift Shaft Asm Cross Tapered 20 Spring, Torsion Washer 17/32 x 3/4 x 16 Ga. Link Transaxle Nut, Nylock Console, Shift, STLT Retainer Spring Washer 11/32 x 5/8 x 16 Ga. Washer 9/32 x 3/4 x 10 Ga. Strap Torque 90 Degrees Nut Lock Flg. 3/8-16 unc Spacer Retainer Washer 13/32 x 2 x 10 Ga. Washer Srrted 5/16 ID x 1.125 Bracket Shift Mount Hub Shift Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr. 5 Nut Crownlock 1/4-20 unc Bolt Hex Fin 1/4-20Unc x 1 Gr. 5 Bracket Pivot Lever Screw 5/16-18 x 5/8 TT Yellow Bolt Shoulder 5/16-18 x .561 Plate Fastening Lt Keeper Belt Transaxle Gear Nyliner Snap-In Washer, Nyl. Bolt Carr. SH 3/8-16 x 1-3/4 Gr. 5
56	17060620	Screw 3/8-16 x 1-1/4			

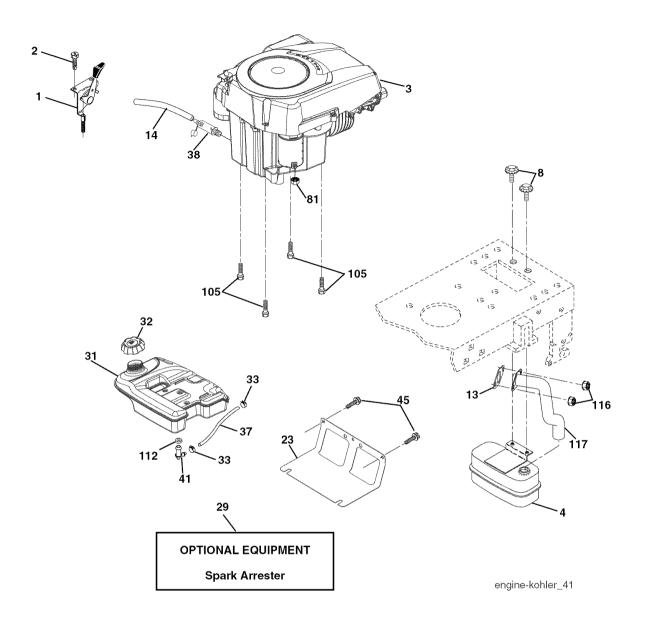
STEERING



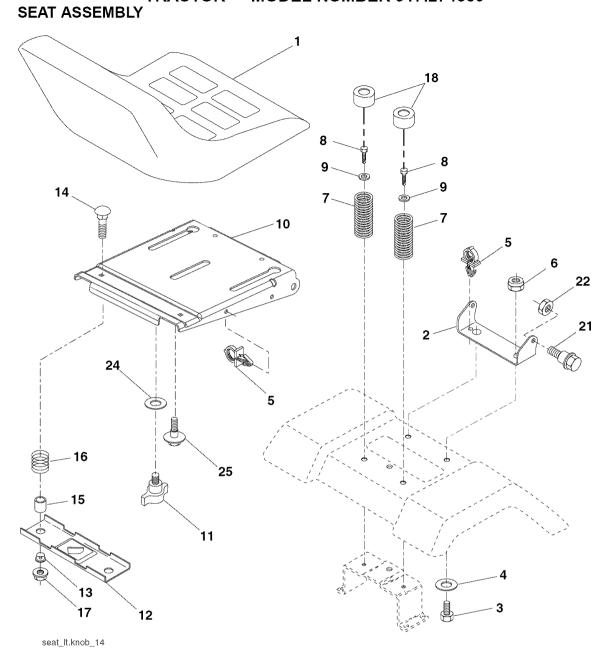
STEERING

KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 8 10 11 12 13 5 17 6 2 2 9 3 2 3 3 3 3 3 3 3 4 4 4 6 5 6 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	184706 169840 169839 6266H 121748X 12000029 175121 73940800 136518 145212 177883 126847X 19131416 17000612 76020412 192757 155105 152927 186095X428 19183812 73540500 186737	Wheel Steering Axle Asm Spindle Asm LH Spindle Asm RH Bearing Race Thrust Harden Washer 25/32 x 1-5/8 x 16 Ga. Ring Klip #t5304-75 Link Drag Washer Lock Hvy Hlcl Spr 3/8 Nut Hex Jam Toplock 1/2-20 unf Spacer Bearing Axle Front Nut Hex Flange Lock Shaft Asm. Steering Bushing Link Drag Washer 13/32 x 7/8 x 16 Ga. Screw 3/8-16 x 3/4 Pin Cotter 1/8 x 3/4 Rod Tie Bushing Strg Screw Insert Cap Strg Wh Washer 9/16 x 2-3/8 x 12 Ga. Crownlock Nut 5/16-24 unf Adaptor Wheel Strg Boot Steering Washer 25/32 1 1/4 x 16 Ga. Cap Spindle Spacer Brace Axle Bolt Rdhd Sqnk 3/8-16 x 2-1/4 Axle, Brace Steering Asm. Bracket Susp. Chassis Front Washer Flat .781 x 1-1/2 x .15 Bolt Shoulder 7/16-20 unc Clip Steering Washer Hardened

ENGINE

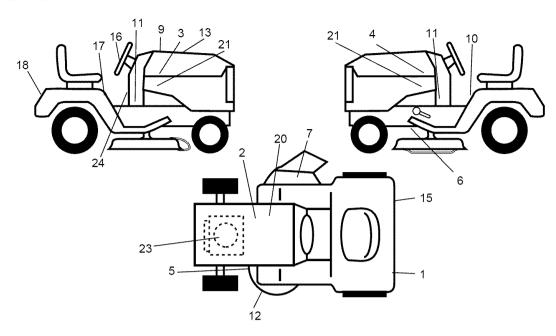


KEY NO.	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
1 2 3 4 8 13 14 23 29 31	191611 188655 171877 185909 148456 169837 137180 179022	Control Throttle Screw 10 x 3/4 Single Lead Hex Engine, Kohler Model SV590-0002 (See Breakdown) Muffler Bolt 5/16-18 unc x 3/4 w/Sems Muffler Gasket Tube Drain oil Shield Heat Kit Spark Arrestor (Flat Scrn) Tank Fuel Cap Asm Fuel	33 37 38 41 45 81 105 112 116 117	123487X 8543R 181654 139277 17000612 73510400 17120616 3645J 184362 188654 E: All compon 1 inch = 25	Clamp Hose Black Line Fuel Plug Drain Oil Easy Stem Tank Fuel Screw Hexwsh Thdr 3/8-16 x 3/4 Nut Keps Hex 1/4-20 unc Screw 3/8-16 x 1 SMGML Bushing Nut Hex Flange Toplock M8-1.25 Tube Exhaust ent dimensions given in U.S. inches 4 mm



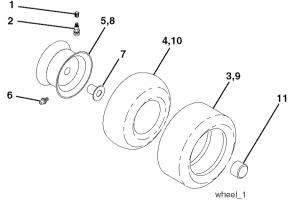
	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7 8 9 10	180598 180166 STD523710 19131610 145006 STD541437 124181X 17000616 19131614 180186	Seat Bracket Pivot Fender Bolt Fin Hex 3/8-16 unc x 1 Washer 13/32 x 1 x 10 Ga. Clip Push-In Nut Hex w/Ins. 3/8-16 unc Spring Seat Cprsn Screw 3/8-16 x 1-1/2 Washer 13/32 x 1 x 14 Ga. Pan Seat	13 14 15 16 17 18 21 22 24 25	121248X 72050412 121249X 123740X 123976X 124238X 171852 STD541431 19171912 127018X	Bushing Snap Blk Nyl 50 ld Bolt Rdhd Sqnk 1/4-20 x 1-1/2 Spacer Split Spring Cprsn Nut Lock 1/4 Lge Flg Gr. 5 Zinc Cap Spring Seat Bolt Shoulder 5/16-18 unc 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
11 12	166369 174648	Knob Seat Adj. Wingnut Bracket Mounting Switch		: All compon = 25.4 mm	ent dimensions given in U.S. inches

DECALS



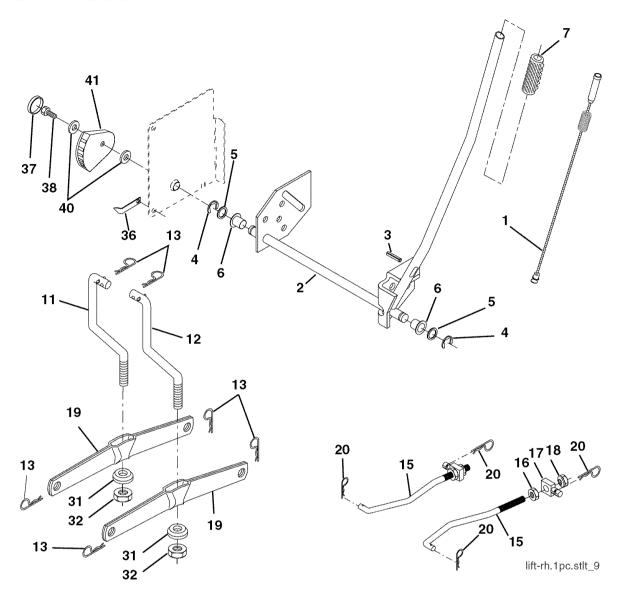
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7 9	187407 138047 194023 194024 160396 146046 179128 194044 156439	Reflector, LH Decal, Battery, Diehard, Sears Decal, Hood RH Decal, Hood LH Decal, Deck Sch. Decal, V-Belt, Drive Schematic Decal, Deck "B" "42" Decal, Replacement Decal, Fender, Danger	16 17 18 20 21 23 24		Decal, Steering Wheel Decal, Fender, Instructions Decal, Fender Decal, Battery Decal, Hood, Side Panel Decal, Engine Decal, Dash Pad, Footrest, ST/LT, LH Pad, Footrest, ST/LT, RH
11 12 13 15	194049 172331 133644 187408	Decal, Panel, Dash Decal, Mower, Heavy-Duty Decal, Replacement Parts Decal, Reflector, RH		193802 193803	Manual, Owner's, English Manual, Owner's, Spanish

WHEELS & TIRES



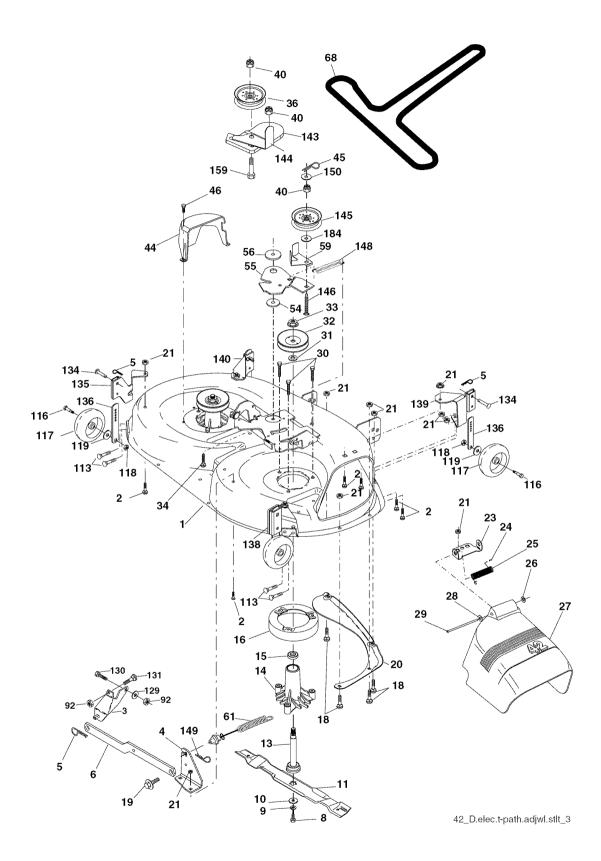
KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7	59192 65139 106222X 59904 106732X417 278H 9040H	Cap Valve Tire Stem Valve Tire F Ts 15 x 6 0 - 6 Service Tube Front (Service Item Only) Rim Asm 6" front Service Fitting Grease (Front Wheel Only) Bearing Flange (Front Wheel Only)
8 9 10 11	106108X417 138468 7152J 104757X428 144334	Rim Asm 8" rear Service Tire R Ts 20 x 8-8 C Service Tube Rear (Service Item Only) Cap Axle Sealant, Tire (10 oz. Tube)

LIFT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
4	470504	Dhun an Ann and h	40	72000000	d a straight the contract to a sub-
2	179504 159476	Plunger Assembly Shaft Assembly, Lift	18	73800800	Locknut, Hex, with Washer Insert 1/2-13 unc
3	188822	Pin, Groove	19	139868	Arm, Suspension, Rear
4	12000002	E-Ring	20	163552	Retainer Spring
5	19211621	Washer 21/32 x 1 x 21 Ga.	31	169865	Bearing, Pvt, Lift
6	120183X	Bearing, Nylon	32	73540600	Nut, Crownlock 3/8-24
7	175830	Grip, Handle, Fluted	36	155097	Pointer Height Indicator
11	139865	Link, Lift, L.H.	37	123935X	Plug Hole
12	139866	Link, Lift, R.H.	38	17060516	Screw 5/16-18 x 1 SMGML
13	STD624008	Retainer Spring	40	19112410	Washer 11/32 x 1-1/2 10 Ga.
15	173288	Link, Front	41	155098	Indicator Height
16 17	73350800 175689	Nut, Hex, Jam 1/2-13 unc Trunnion	NOTE	E: All compor 1 inch = 25	nent dimensions given in U.S. inches .4 mm

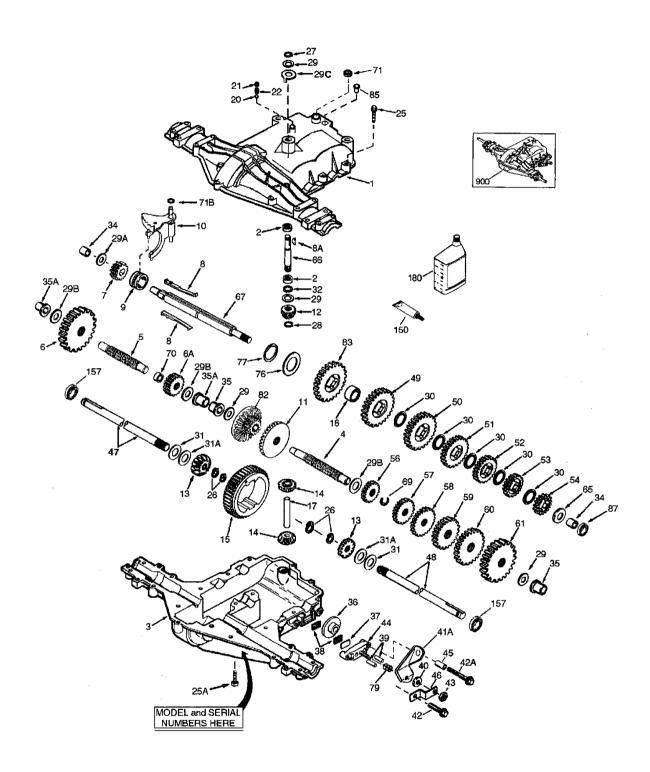
MOWER DECK



MOWER DECK

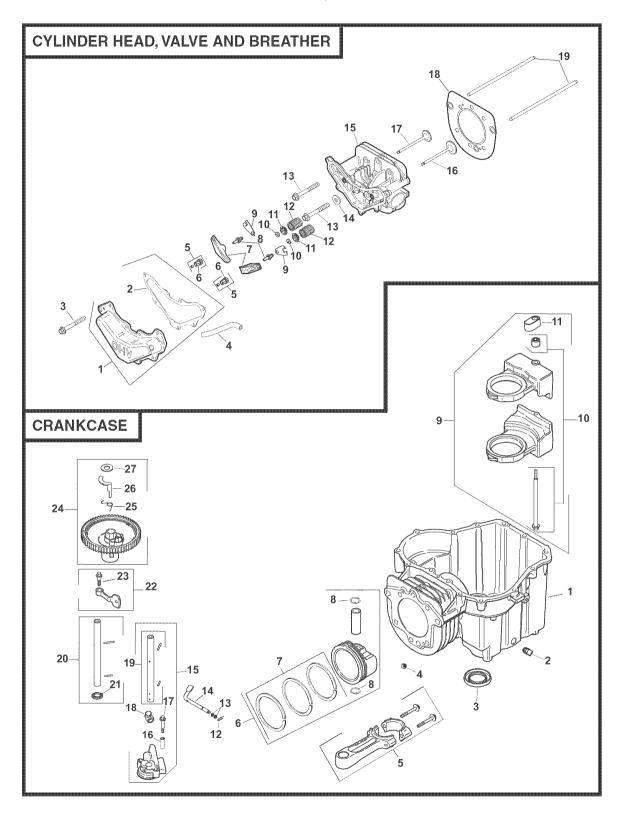
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	182032	Mower Housing	46	137729	Screw, Thd. Roll 1/4-20 x 5/8
2	STD533107	Bolt	54	178515	Washer, Hardened
3	138017	Bracket Assembly, Sway Bar, Fr.	55	155046	Arm, Idler
4	165460	Bracket Sway Bar 38/42"	56	165723	Spacer, Retainer
5	STD624008		59	141043	Guard, Tuv Idler (94)
6	178024	Bar Sway Deck	61	174882	Spring Ext Elect Clutch
8 9	850857 STD551137	Bolt, Hex 3/8-24 x 1.25 Gr. 8	68	174883	V-Belt
10	140296		92	STD541437	
10	140296	Washer, Hardened	113 116	17000510 4898H	Bolt 5/16-18 Hedx Whshd. Lckserr
11	138971	(The following blades are available) Blade, 42" Hi-Lift	117	188606	Bolt, Shoulder
11	130311	(For bagging or discharge)	118	73930600	Wheel, Gauge Nut, Crownlock 3/8-1
	139775	Blade, 42" Mulching Premium	119	19121414	Washer 13/32 x 7/8 x 14 Ga.
	100170	(For better wear when mulching)	129	19131312	Washer 13/32 x 17/0 x 14 Ga. Washer 13/32 x 13/16 x 12 Ga.
	134149	Blade, 42" Mulching STD	130	STD523710	
13	137645	Shaft Assembly, Mandrel, Vented	131	STD533710	Bolt Rdhd Sank 3/8-16 unc x 1
		(Incl. Key Number 6)	134	156941	Pin Head Rivet
14	128774	Housing, Mandrel, Vented	135	159765	Bracket Asm, Wheel Ga, Rear LH
15	110485X	Bearing, Ball, Mandrel	136	155986	Bar Adjusting Guage Wheel
16	174493	Stripper, Mower Deck	138	159763	Bracket Asm. Wheel Ga. Rear RH
18	72140505	Bolt, Carriage 5/16-18 x 5/8	139	159767	Bracket Asm. Wheel Ga. Front RH
19	132827	Bolt, Shoulder	140	159768	Bracket Asm. Wheel Ga. Front LH
20	159770	Baffle, Vortex	143	157109	Bracket Arm Idler 42"
21	STD541431	Nut, Crownlock 5/16-18 unc	144	158634	Keeper Belt 42" Clutch Cable
23	177563	Bracket, Deflector	145	165888	Pulley Idler Flat
24	105304X	Cap, Sleeve	146	171977	Bolt Carraige Idler
25	123713X	Spring, Torsion, Deflector	148	169022	Spring Return Idler
26	110452X	Nut, Push	149	165898	Retainer Spring Yellow Zinc
27 28	19111016	Shield, Deflector	150	19091210	Washer 9/32 x 3/4 x 10 Ga.
20 29	131491	Washer 11/32 x 5/8 x 16 Ga.	159 184	STD533717	Bolt Rdhd Sqn 3/8-16 unc x 1-3/4
30	173984	Rod, Hinge Screw Thdrol Rolling Wsh Hd	104	19131410 130794	Washer 3/8 Mandrel Assembly (Includes
31	187690	Washer, Spacer		130794	housing, shaft and shaft hardware
32	153535	Pulley, Mandrel			only-pulley not included)
33	178342	Nut, Toplock, Flanged		181542	Replacement Mower, Complete
34	72110612	Bolt Carr Sh. 3/8-16 x 1-1/2 Gr. 5	_	101072	(Std. Deck-Order separately
36	131494	Pulley, Idler, Flat			guage wheels key nos. 5,
40	73900600	Nut, Lock Fig. 3/8-16 unc			116 -119, 134, 136)
44	140088	Guard, Mandrel, L.H.			·
45	STD624003	Retainer	NOTE		ent dimensions given in U.S.
				inches 1 inc	ch = 25.4 mm

TRACTOR - - MODEL NUMBER 917.274650 PEERLESS TRANSAXLE--MODEL NUMBER 206-545C



TRACTOR - - MODEL NUMBER 917.274650 PEERLESS TRANSAXLE--MODEL NUMBER 206-545C

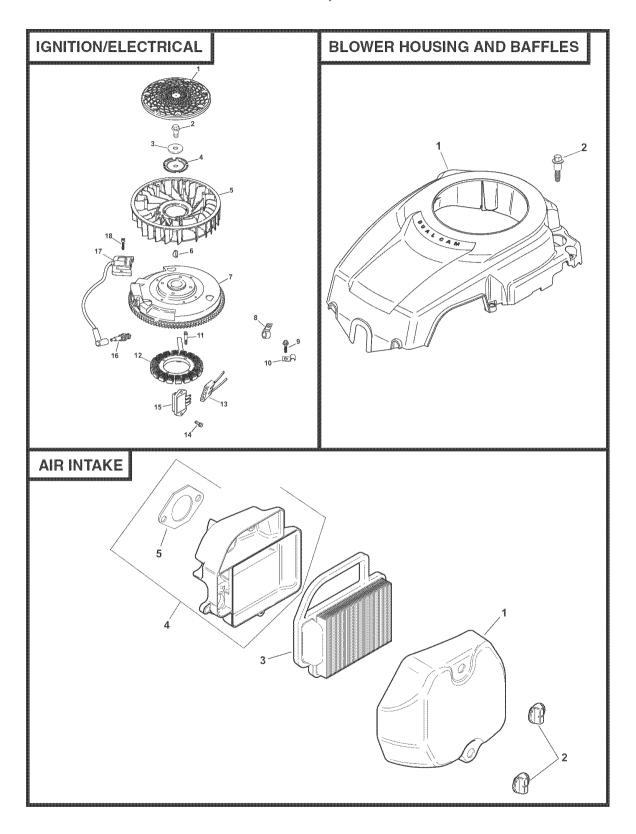
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	772147	Transaxle Cover	41A	790079	Brake Lever
1 2	780086A	Needle Bearing 5/8"	42	792073A	Screw 1/4 - 20 x 1-1 /4"
3	770128	Transaxle Case	42A	792085A	Screw 1/4 - 20 x 2 1/4"
4	776395	Countershaft	43	792075	Locknut 5 / 16 - 24
5	776409	Output Shaft	44	790025	Brake Pad Holder
6	778364	Spur Gear (38 teeth)	45	786066	Spacer .2625 x 1.0
6A	778369	Spur Gear (15 teeth)	46	786086	Brake Lever Bracket
7	778330	Spur Gear (11 teeth)	47	774690	Axle (11-15 / 16" Long)
8	792180	Shift Key	48	774691	Axle (16 - 1 / 2" long)
8A	792047	Woodruff Key #9	49	778356	Spur Gear (29 teeth)
9	784352	Shift Collar	50	778338	Spur Gear (27 teeth)
10	784378	Shift Rod & Fork	51	778354	Spur Gear (23 teeth)
11	778334	Bevel Gear (30 teeth)	52	778352	Spur Gear (19 teeth)
12	778309	Input Bevel Pinion (13 teeth)	53	778350	Spur Gear (16 teeth)
13	778368	Bevel Gear (13 teeth)	54	778346	Spur Gear (15 teeth)
		(Include, 14)	56	778355	Spur Gear (11 teeth)
14	778368	Bevel Pinion (13 teeth)	57	778337	Spur Gear (13 teeth)
		(Include, 13)	58	778353	Spur Gear (17 teeth)
15	778370	Ring Gear (43 teeth)	59	778351	Spur Gear (21 teeth)
17	786188	Drive Pin	60	778349	Spur Gear (24 teeth)
18	786102	Spacer 1.130 X .695	61 65	778345	Spur Gear (25 teeth) Flat Washer .563 ID x .062W
20	792077A	Ball 5/16" dia	66	780189 776422	Input Shaft
21	792078	Set Screw 3/8 - 16 x 3/8"	67	776396	Shifter & Brake Shaft
22	792079	Spring .310 OD x .625 L	69	792170	Retaining Ring
25	792073A	Screw 1/4 - 20 x 1-1/4"	70	786187	Spacer .890
25A		Screw 1/4-20 x 1-3/8"	71	788069	Square Cut Ring
26	792125	Retaining Ring (pkg of 2)	71B	788092	"O" Ring
27 28	792035 788040	Retaining Ring	76	780090	Flat Washer 1.128 ID x .058W
29	780040	Retaining Ring Thrust Washer .627 ID x .031W	77	788078A	Inverted Retaining Ring
29A	780072 780160	Thrust Washer .762 ID x .031W	79	792144	Spring .430 OD x .5000 L
29B	780051	Thrust Washer .762 ID x .031W	82	778333	Bevel & Spur Gear
29C		Anti-Rotation Washer .632			(30 & 13 teeth)
30	780108	Cup Washer 1.127 ID x .032W	83	778338	Spur Gear (27 teeth)
31	780001	Flat Washer .750 ID x .056W	85	792154	Oil Fill Plug
•	, , , , , , ,	(Use As Needed)	87	788089A	Oil Seal 9 / 16"
31A	780195	Flat Washer .750 ID x .062W		788093A	Liquid Gasket RTV Silicone
32	788083	Oil Seal 5/8"	157	788088A	Oil Seal 3 /4"
34	780194	Bushing .563	180	730229A	Gear Oil 80W90
35	780193	Flanged Bushing 5 / 8" ID	900	794712	Replacement MST - 206-545C
35A	780197	Flanged Bushing .751			Transaxle
36	790075	Brake Disk			
37	790007	Brake Pad Plate	NOT	- . All	anant dimensione situation in 11.0
38	799021	Brake Pad (pkg of 2)	NOT		onent dimensions given in U.S.
39	786026	Dowel Pin		inches T	inch = 25.4 mm
40	792076A	Flat Washer .312 ID x .059W			



HEAD/VALVE/BREATHER

CRANKCASE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	20 096 07-S 20 041 13-S	Kit, valve cover (Includes 2) Gasket, valve cover	1		Crankcase (USE: Short Block 20 522 01)
3	M-645020-S	Screw, hex. flange M6x1.0x20	2	25 139 57-S.	Plug, sq. hd. pipe 3/8"
4	20 326 01-S	(7) Hose, breather	3 4	20 032 01-S. 20 194 02-S	Seal, oil Ball, check valve
5	20 599 01-S	Kit, rocker arm pivot (2) (Includes 6)	5 6	20 067 04-S 20 874 01-S	Rod, connecting
6	20 086 04-S	Screw, set (2)	7	20 108 01-S	
7 8	20 186 01-S 20 086 03-S	Arm, rocker (2) Screw, set - rocker pivot (2)	8 9	20 018 04-S 20 755 04-S	Retainer, piston pin (2) Kit, balance weight (Includes
9	20 146 03-S	Plate, push rod guide (2)			10,11)
10 11	20 062 01-S 20 173 01-S	Kit, retainer (2) (Includes 6) Cap, valve spring (2)	10 11	20 086 16-S 20 423 02-S	Kit, screw/guide pin Shoe, guide
12 13	20 089 03-S 20 086 02-S	Spring, valve (2)	12 13	12 154 05-S X-25-102-S	Clip, hitch pin
13	20 000 02-3	Screw, hex. flange M10x1.5x37 (6)	14	M-631015-S	Washer, plain Washer, plain
14 15	12 468 05-S 20 318 01-S	Washer, flat 1/2" Head, cylinder	15 16	20 144 02-S 20 393 02-S	Shaft, governor cross Pump assembly, oil (Includes
16	20 016 01-S	Valve, exhaust			17-20)
17 18	20 017 01-S 20 841 01-S	Valve, intake Kit, cylinder head gasket repair	17 18	20 112 02-S 20 086 13-S	Spacer, oil pump screw (2) Screw, oil pump (2)
		(Includes head mounting hard-	19	20 032 07-S	Seal, oil pump outlet
19	20 411 02-8	ware) Rod, push (2)	20 21	20 144 04-S 20 144 06-S	Shaft center, cam - Intake Shaft center, cam - Exhaust (Includes 22)
			22	20 468 01-S	Washer, thrust
			23	20 090 01-S	Lever assembly, cam (2) (Includes 24)
			24 25	20 086 06-S 20 010 03-S	Screw, shoulder Gear assembly, cam (Includes
					26-28)
			26 27	20 089 06-S 20 044 16-S	Spring, ACR Weight, ACR
			28	20 468 03-S	Washer, thrust - ACR (2)



IGNITION/ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION
1	20 162 02-S	Screen, grass
2	12 086 14-S	Screw, hex. flange M10x1.5x46
3	12 468 03-S	Washer, spring 3/16"
4	20 146 02-S	Plate, fan mounting
5	20 157 01-S	Fan
6	X-42-15-S	Key, woodruff
7	20 025 05-S	Flywheel
8	231285-S	Clip, cable (2)
9	20 086 17-S	Screw
10	20 154 02-S	Clip, cable
11	M-548025-S	Screw, hex. hd. M5x0.8x25 (2)
12	24 085 03-S	Stator assembly
13	236602-S	Connector, body
14	M-545020-S	Screw, hex. flange M5x0.8x20 (2)
15	41 403 09-S	Rectifier-regulator
16	12 132 02-S	Plug, spark
17	20 584 01-S	Module, ignition
18	M-561025-S	Screw, hex. flange M5x0.8x25
		(2)
NOT II	LLUSTRATED	•
	20176 01-S	Harness, wiring

BLOWER HOUSING & BAFFLES

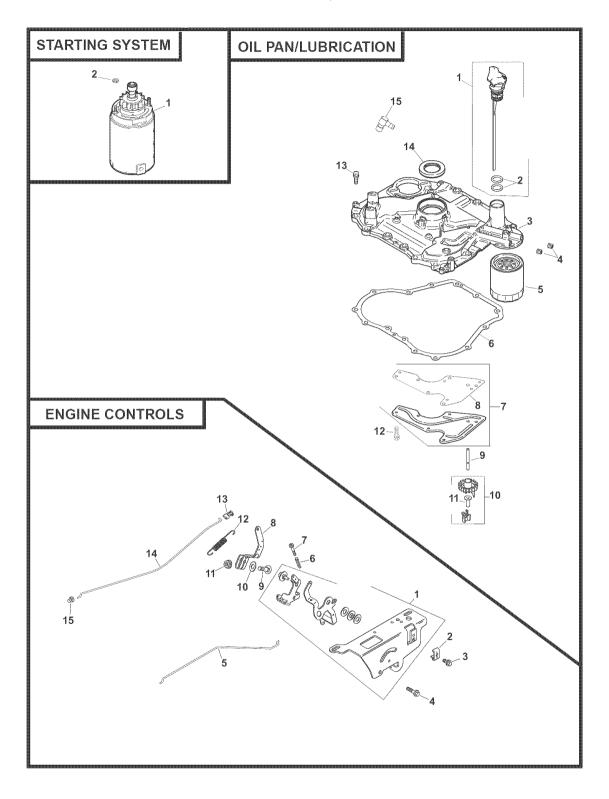
KEY NO.	PART NO.	DESCRIPTION
1 2		Housing, blower Screw, shoulder M5x0.8x36 (4)

NOT ILLUSTRATION

--- 25113 39-S Decal, clear lamination

AIR INTAKE/FILTRATION

KEY NO.	PART NO.	DESCRIPTION
1	20 096 04-S	Cover, air cleaner
2		Knob, cover (2)
3	20 083 02-S	Element, air cleaner
4	20 094 01-S	Kit, air cleaner base (Includes 6)
5	12 041 02-S	Gasket, air cleaner base



STARTING SYSTEM

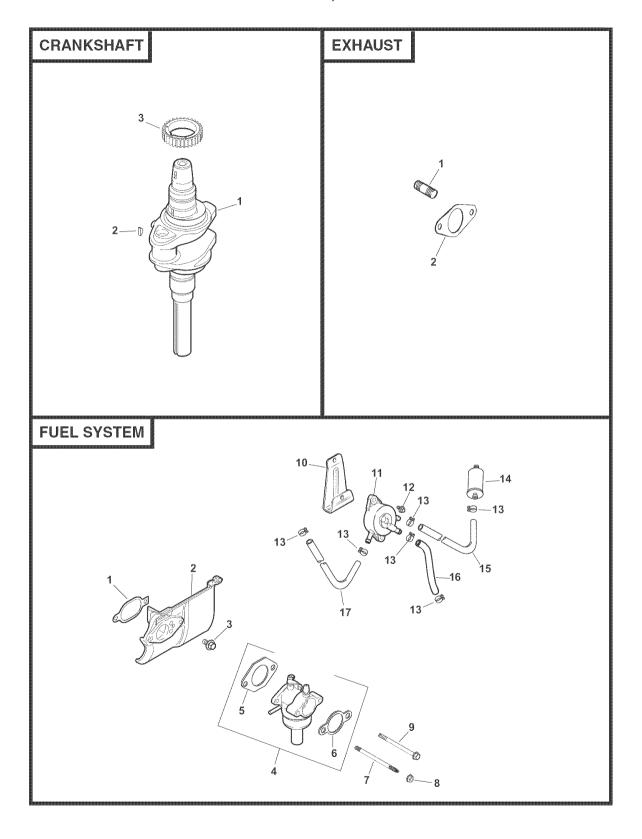
KEY NO.	PART NO.	DESCRIPTION
1 2		Starter assembly, inertia drive Nut, hex. serrated flange (2)

OIL PAN/LUBRICATION

KEY NO.	PART NO.	DESCRIPTION
1	20 040 02-S	Kit, dipstick assembly (Includes 2)
2	20 153 01-S	O-Ring, dipstick (2)
3	20 009 03-S	Plate assembly, closure (Includes 4,10,11)
4	25 139 60-S	Plug, pipe (2)
5	52 050 02-S	Filter, oil
6	20 041 01-S	Gasket, closure plate
7	20 096 02-S	Kit, oil passage cover (Includes 8)
8	20 041 02-S	Gasket, oil passage
9	20 144 03-S	Shaft, governor gear
10	20 310 03-S	Kit, gear and weight assembly (Includes 11)
11	12 380 01-S	Pin, governor regulating
12	M-545013-S	Screw, hex. flange M5x0.8x13 (6)
13	M-851030-S	Screw, hex. flange M8x1.25x30 (14)
14	20 032 01-S	Seal, oil
15	25 155 02-S	Connector, 90°

ENGINE CONTROLS

KEY NO.	PART NO.	DESCRIPTION
1	20 536 03-S	Control assembly, speed
2	12 237 01-S	Clamp, cable
3	24 086 43-S	Screw, torx hd. ctsk. M5x0.8x16
4	M-664020-S	Screw, lobed sckt. M6x1.0x20 (2)
5	20 079 05-S	Linkage, choke – single wire
6	12 089 11-S	Spring, speed control (2)
7	20 086 10-S	Screw, thread forming
		M4x0.7x25 (2)
8	20 090 02-S	Lever, governor
9	52 211 04-S	Bolt, round head 1/4-20x1"
10	X-22-11-S	Washer, lock 1/4"
11	12 100 07-S	Nut, hex. flange 1/4-20"
12	20 089 07-S	Spring, governor
13	25 158 11-S	Bushing, throttle linkage
14	20 079 04-S	Linkage, throttle
15	25 158 08-S	Bushing, linkage retaining



CRANKSHAFT

KEY NO.	PART NO.	DESCRIPTION
1	20 014 14-S	Crankshaft (Includes 2)
2	X-42-15-S	Key 3/16"
3	20 043 12-S	Gear, crankshaft

EXHAUST

KEY NO.	PART NO.	DESCRIPTION
1	25 072 04-S	Stud, exhaust (2)
2	20 041 12-S	Gasket, exhaust
	20 522 01	Short Block
	20 755 05-S	Gasket Set

FUEL SYSTEM

KEY NO.	PART NO.	DESCRIPTION
1	20 041 07-S	Gasket, heat deflector
2 3	20 265 01-S	Deflector, heat
3 4	M6x1.0x20 20 853 14-S	M-651020-S crew, hex. flange
4	20 655 14-5	Carburetor w/gaskets (Includes 5,6)
5	12 041 01-S	Gasket, carburetor
6	12 041 02-S	Gasket, air cleaner
7	20 072 03-S	Stud, carburetor mounting
8	M-641060-S	Nut, hex. flange M6x1.0
9	20 086 11-S.	Screw, carb S60x1.42x85
10	20 126 02-S	Bracket, fuel pump mounting
11	24 393 16-S	Pump assembly, fuel
12	M-545010-S	Screw, hex. flange M5x0.8x10 (2)
13	25 237 14-S	Clamp, hose (6)
14	25 050 22-S	Filter, fuel
15	41 353 15-S	Line, fuel 2" (pump to filter)
16	52 353 20-S	Line, fuel 10" (pulse to pump)
17	20 353 01-S	Line, fuel 15-3/4" (pump to carb)

NOT ILLUSTRATED

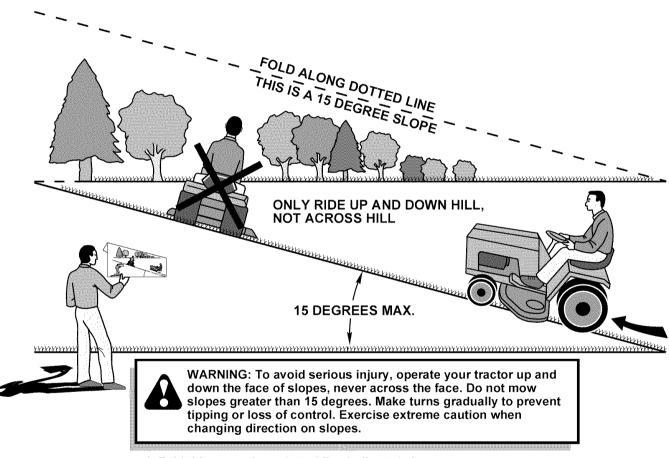
 M-645016-S	Screw M6x1.0x16 (2)
 X-22-11-S	Washer, lock 1/4" (ground)
 66 431 04-S	Sleeve, insulating (for 11" fuel
	line)
 12 757 02-S	Kit, float
 12 757 03-S	Kit, carburetor repair
 12 757 33-S	Kit, solenoid repair
 12 757 37-S	Kit, bowl replacement w/gaskets
 12 454 03-S	Tie, wire

SERVICE NOTES

SERVICE NOTES

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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

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