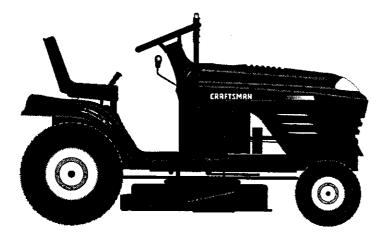
Owner's Manual



LAWN TRACTOR

17 HP, 42" Mower Electric Start 6 Speed Transaxle

Model No. 917.271650





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

CAUTION:

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

1-800-659-5917

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

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

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WARRANTY

LIMITED TWO YEAR WARRANTY ON CRAFTSMAN RIDING EQUIPMENT PARTS

For two (2) years from the date of purchase, if this Craftsman Riding Equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace, free of charge, any parts found to be defective in material or workmanship. Warranty service is available free of charge by returning your Craftsman riding equipment to your nearest Sears Service Center. In-home warranty service is available but a trip charge will apply. This warranty applies only while this product is used in the United States.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as blades, spark plugs, air cleaners, belts and oil filters.
- 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 the 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 thirty (30) days of its purchase date.
- Riding equipment used for commercial or rental purposes. A product is "used for commercial purpose" if is used for any purpose other than single family household dwellings or in usage where profit is made.

LIMITED 90 DAY WARRANTY ON BATTERY

For ninety (90) days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge. Warranty service is available free of charge by returning your Craftsman riding equipment to your nearest Sears Service Center. In-home warranty service is available but a trip charge will apply. This warranty applies only while this product is in the United States.

TO LOCATE THE NEAREST SEARS SERVICE CENTER OR TO SCHEDULE IN-HOME WARRANTY SERVICE, SIMPLY CONTACT SEARS AT 1-800-4-MY-HOME®

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

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

SAFETY RULES

IMPORTANT: This cutting machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

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

CAUTION: 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.

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

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

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

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

I. GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.

- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone.
 Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Turn off blades when not mowing.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.
- Data indicates that operators, age 60 years and above, are involved in a large percentage of riding mower-related injuries. These operators should evaluate their ability to operate the riding mower safely enough to protect themselves and others from serious injury.
- Keep machine free of grass, leaves or other debris build-up which can touch hot exhaust / engine parts and burn. Do not allow the mower deck to plow leaves or other debris which can cause buildup to occur. Clean any oil or fuel spillage before operating or storing the machine. Allow machine to cool before storage.

II. SLOPE OPERATION

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

SAFETY RULES

DO:

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

DO NOT:

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

III. CHILDREN

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

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and *down* for small children.

- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

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

SAFETY RULES











- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers or children even with the blades off.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and down for small children.
- Mow up and down slopes (15° Max), not across.

- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Use slow speed. Choose a low gear so that you will not have to stop or shift while on the slope.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly straight down the slope.
- If machine stops while going uphill, disengage blades, shift into reverse and back down slowly.
- Do not turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.

PRODUCT SPECIFICATIONS

Gasoline Capacity and Type:	1.25 Unleaded a Regular	ind
Oil Type (API-SF-SJ):	SAE 30 (ab SAE 5W-30 (below 32°F)
Oil Capacity:	3.0 Pints	
Spark Plug: (Gap: .030")	Champion	RC12YC
Ground Speed (N	1PH):	
	Forward:	1st 1.1
		2nd 1.4
		3rd 2.2
		4th 3.4
		5th 4.3
		6th 5.5
	Reverse:	1.7
Tire Pressure:	Front:	14 PSI
-	Rear:	12 PSI
Charging	3 Amps	Battery
System:		Headlights
Battery:	Amp/Hr:	28
	Min. CCA:	230
	Case Size:	U1R
Blade Bolt Torque	: 27-35 Ft. Ll	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".

REPAIR AGREEMENT

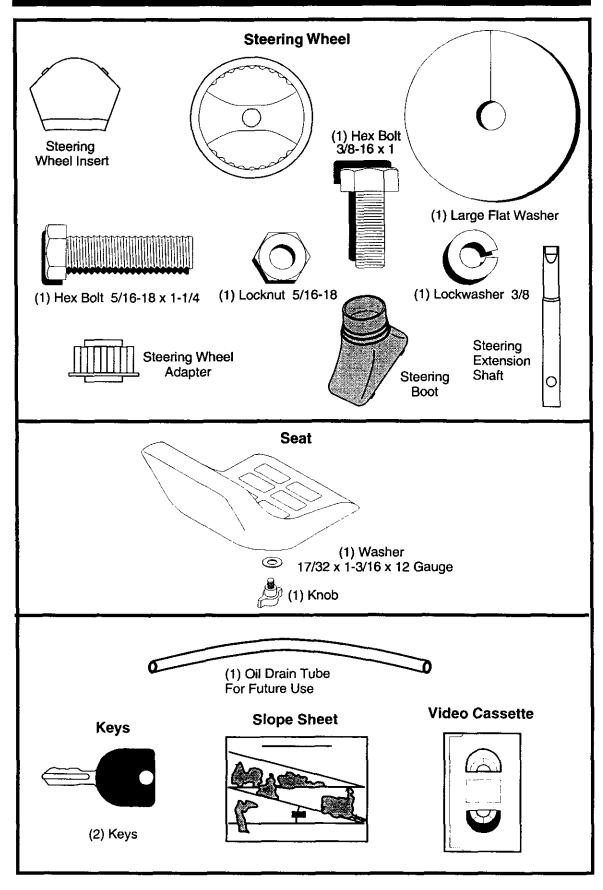
A Repair Agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

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

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

UNASSEMBLED PARTS



ASSEMBLY/PRE-OPERATION

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

TOOLS REQUIRED FOR ASSEMBLY

A socket wrench set will make assembly easier. Standard wrench sizes you need are listed below. (1) Pliers

- (1) 9/16" wrench
- (2) 1/2" wrench (1) Utility knife
- (1) Tire pressure gauge

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

- 1. Remove all accessible loose parts and parts boxes from carton.
- 2. Cut, from top to bottom, along lines on all four corners of carton, and lav panels flat.
- 3. Check for any additional loose parts or cartons and remove.

BEFORE REMOVING TRACTOR FROM SKID

ATTACH STEERING WHEEL

ASSEMBLE EXTENSION SHAFT AND BOOT

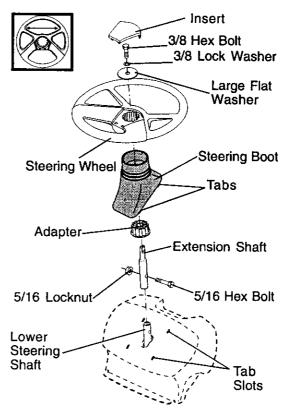
1. Slide extension shaft onto lower steering shaft. Align mounting holes in extension and lower shafts and install 5/16 hex bolt and locknut. Tighten securely.

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

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

INSTALL STEERING WHEEL

- 3. Position front wheels of the tractor so they are pointing straight forward.
- 4. Remove steering wheel adapter from steering wheel and slide adapter onto steering shaft extension.
- 5. Position steering wheel so cross bars are horizontal (left to right) and slide inside boot and onto adapter.
- 6. Assemble large flat washer, 3/8 lock washer, 3/8 hex bolt and tighten securely.

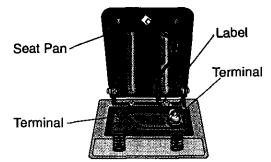


- 7. Snap steering wheel insert into center of steering wheel.
- 8. Remove protective materials from tractor hood and grill.

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

CHECK BATTERY

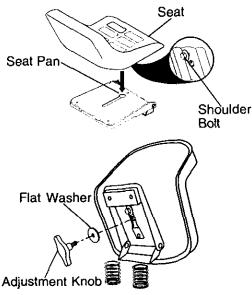
1. Lift seat pan to raised position. NOTE: If this battery is put into service after month and year indicated on label (label located between terminals) charge battery for minimum of one hour at 6-10 amps. (See "BATTERY" in Maintenance section of this manual for charging instructions).



INSTALL SEAT

Adjust seat before tightening adjustment knob.

- Remove adjustment knob and flat washer securing seat to cardboard packing and set aside for assembly of seat to tractor.
- 2. Pivot seat upward and remove from the cardboard packing. Remove the cardboard packing and discard.
- 3. Place seat on seat pan so head of shoulder bolt is positioned over large slotted hole in pan.
- 4. Push down on seat to engage shoulder bolt in slot and pull seat towards rear of tractor.
- 5. Pivot seat and pan forward and assemble adjustment knob and flat washer loosely. Do not tighten.
- 6. Lower seat into operating position and sit in seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down.
- Get off seat without moving its adjusted position.
- 9. 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)

- 1. 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)

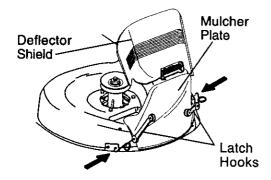
AWARNING: Before starting, read, understand and follow all instructions in the Operation section of this manual. Be sure tractor is in a well-ventilated area. Be sure the area in front of tractor is clear of other people and objects.

- 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.
- 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.

INSTALL MULCHER PLATE (If previously removed)

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



ACAUTION: Do not remove deflector shield from mower. Raise and hold shield when attaching mulcher plate and allow it to rest on plate while in operation.

TO CONVERT TO BAGGING OR DISCHARGING

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

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

CHECK TIRE PRESSURE

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

 Reduce tire pressure to PSI shown in "PRODUCT SPECIFICATIONS" section of this manual.

CHECK DECK LEVELNESS

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

CHECK FOR PROPER POSITION OF ALL BELTS

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

CHECK BRAKE SYSTEM

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

✓ CHECKLIST

Before you operate and enjoy your new tractor, we wish to assure that you receive the best performance and satisfaction from this Quality Product.

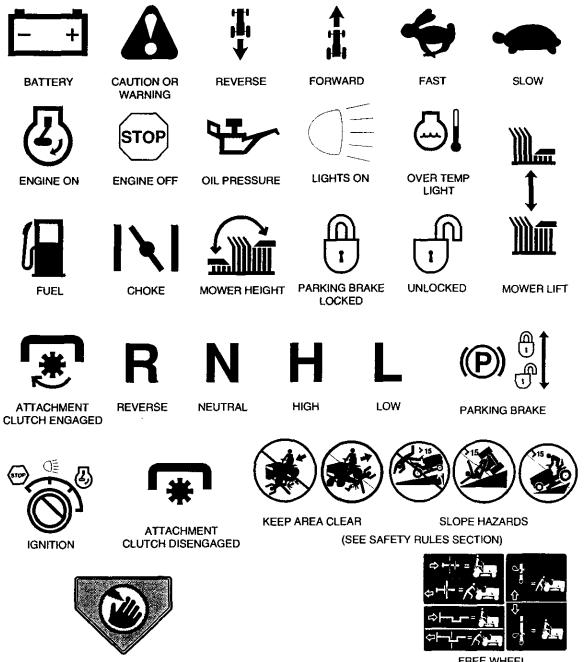
- Please review the following checklist:
- All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For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

While learning how to use your tractor, pay 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.

OPERATION

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

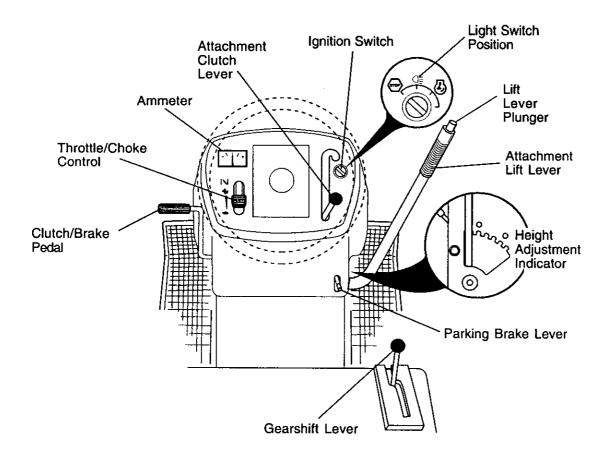


DANGER, KEEP HANDS AND FEET AWAY

FREE WHEEL (Automatic Models only)

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

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



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

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

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

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

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 POSITION - Turns the headlights on and off.

PARKING BRAKE LEVER - Locks clutch/ brake pedal into the brake position. THROTTLE/CHOKE CONTROL - Used for starting and controlling engine speed.

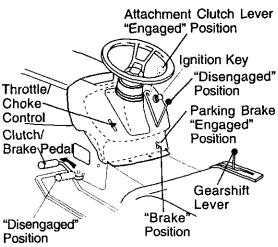


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend a wide vision safety mask over spectacles or standard safety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

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



STOPPING

MOWER BLADES -

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

GROUND DRIVE -

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

ENGINE -

• Move throttle control to slow position. **NOTE:** Failure to move throttle control to slow position and allowing engine to idle before stopping may cause engine to "backfire".

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

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

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

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

TO USE THROTTLE CONTROL

Always operate engine at full throttle.

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

TO MOVE FORWARD AND BACKWARD

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

- Start tractor with clutch/brake pedal depressed and gearshift lever in neutral (N) position.
- 2. 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.

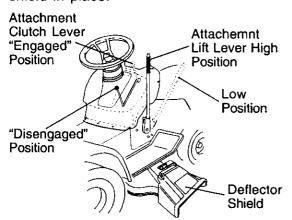
TO OPERATE MOWER

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.

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

TO STOP MOWER BLADES disengage attachment clutch control.

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



TO OPERATE ON HILLS

ACAUTION: Do not drive up or down hills with slopes greater than 15° and do not drive across any slope. Use the slope guide 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.
- Řemove oil fill cap/dipstick and wipe clean, reinsert the dipstick and screw cap tight, wait for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (See "OIL VISCOSITY CHART" in the Maintenance section of this manual).
- To change engine oil, see the Maintenance section in this manual.

ADD GASOLINE

• Fill fuel tank 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.

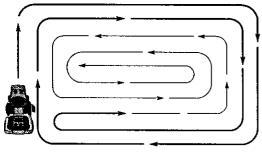
COLD WEATHER STARTING (50° F and below)

- 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.

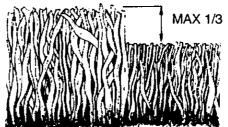


- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- 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.

MULCHING MOWING TIPS

IMPORTANT: For best performance, keep mower housing free of built-up grass and trash. Clean after each use.

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



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

MAINTENANCE

	GULAR SERVICE		ser .	EVENY		SHOUR SHOUR	Nr.	IS HOU	AS ON EASON EFORES	TORAGE SERVIC	CE DAT
	Check Brake Operation	~	~								
	Check Tire Pressure	~	1								
т	Check Operator Presence and Interlock Systems	~									
R	Check for Loose Fasteners	~				V 5		1			
A	Sharpen/Replace Mower Blades			V ₃							
C	Lubrication Chart			1				V			
ò	Check Battery Level		1	1.							
Ř	Clean Battery and Terminals		1	V				V			
	Check Transaxle Cooling			1						-	
	Check V-Belts					1		1		-	
	Check Engine Oil Level	~	~								
	Change Engine Oil (with oil filter)				V1.2			V			
E	Change Engine Oil (without oil filter)			12				1			
N	Clean Air Filter			1/2							
Ģ	Clean Air Screen		1	1/2	1						
N	Inspect Muffler/Spark Arrester				1						
E	Replace Oil Filter (If equipped)					V1.2			_		
-	Clean Engine Cooling Fins				[1 2		<u> </u>		- + -:	
	Replace Spark Plug	-				V	V				+
	Replace Air Filter Paper Cartridge		1			V 2					
	Replace Fuel Filter			1		1	1	1			

2 - Service more often when operating in dirty or dusty conditions.

GENERAL RECOMMENDATIONS

The warranty on this tractor does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain tractor as instructed in this manual. Some adjustments will need to be made periodically to properly maintain your tractor.

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

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

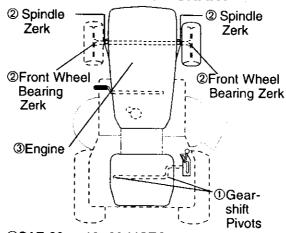
BEFORE EACH USE

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

LUBRICATION CHART

5 - Tighten front axle pivot bolt to 35 ft.-lbs. maximum.

Do not overtighten.



①SAE 30 or 10w30 MOTOR OIL **@GENERAL PURPOSE GREASE ③REFER TO Maintenance "ENGINE"** SECTION

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

TRACTOR

Always observe safety rules when performing any maintenance. **BRAKE OPERATION**

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

TIRES

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

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

OPERATOR PRESENCE SYSTEM

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

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

BLADE CARE

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

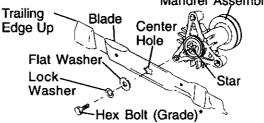
BLADE REMOVAL

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

IMPORTANT: Blade bolt is grade 8 heat treated. Mandrel Assembly



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

TO SHARPEN BLADE

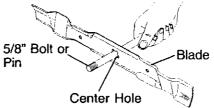
NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

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

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer.)

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

 Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.



BATTERY

Your tractor has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend its life. 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 ADJUSTMENTS section of this manual).
- · 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. Open battery box door.
- 2. Disconnect BLACK battery cable first then RED battery cable and remove

TRANSAXLE COOLING

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

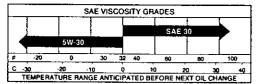
V-BELTS

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 SF- SJ. Select the oil's SAE viscosity grade according to your expected operating temperature.



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

Change the oil after every 25 hours of operation or at least once a year if the tractor is not used for 25 hours in one year. Check the crankcase oil level before starting the engine and after each eight (8) hours of operation. Tighten oil fill cap/ dipstick securely each time you check the oil level.

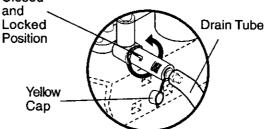
TO CHANGE ENGINE OIL

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

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

Oil Drain Valve

Closed



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

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. Remove knob(s) and cover.
- TO SERVICE PRE-CLEANER
- 2. Slide foam pre-cleaner off cartridge.
- 3. Wash it in liquid detergent and water.
- 4. Squeeze it dry in a clean cloth.
- 5. Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.

NOTE: If very dirty or damaged, replace pre-cleaner.

- 6. Reinstall pre-cleaner over cartridge.
- 7. Reinstall cover and secure with knob(s).

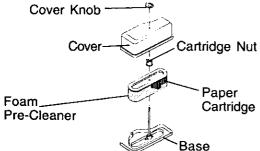
TO SERVICE CARTRIDGE

- 1. Remove cartridge nut.
- 2. Carefully remove cartridge to prevent debris from entering carburetor. Clean base carefully to prevent debris from entering carburetor.
- 3. Clean cartridge by tapping gently on flat surface.

NOTE: If very dirty or damaged, replace cartridge.

4. Reinstall cartridge, nut, precleaner, cover and secure with knob(s).

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



CLEAN AIR SCREEN

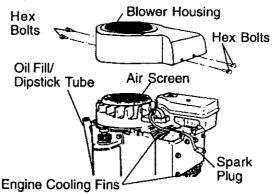
Air screen must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and stubborn dried gum fibers.

ENGINE COOLING FINS

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

- 1. Remove oil fill cap/dipstick.
- 2. Remove hex bolts from blower housing and lift housing off engine.
- Cover oil fill opening to prevent entry of dirt.

- 4. Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins.
- To reassemble, reverse above procedure.



MUFFLER

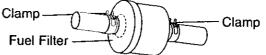
Inspect and replace corroded muffler and spark arrester (if equipped) as it could create a fire hazard and/or damage. SPARK PLUG(S)

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

IN-LINE FUEL FILTER

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

- 1. With engine cool, remove filter and plug fuel line sections.
- 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.
- Immediately wipe up any spilled gasoline.



CLEANING

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

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

SERVICE AND ADJUSTMENTS



WARNING: TO AVIOD 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 "OFF" and remove key.
- 5. Make sure the blades and all moving parts have completely stopped.
- 6. Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER

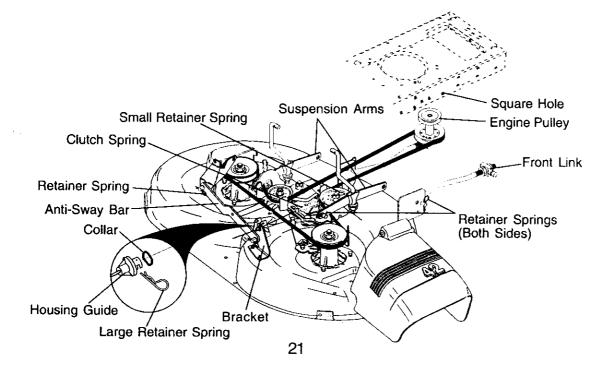
Mower will be easier to remove from the right side of tractor.

- 1. Place attachment clutch in "DISEN-GAGED" position.
- 2. Move attachment lift lever forward to lower mower to its lowest position.
- 3. Roll belt off engine pulley.
- 4. Remove small retainer spring, and lift clutch spring off pulley bolt.
- 5. Remove large retainer spring, slide collar off and push housing guide out of bracket.
- 6. Disconnect anti-sway bar from chassis bracket by removing retainer spring.
- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- 8. Disconnect front links from deck by removing retainer springs.
- 9. Raise lift lever to raise suspension arms. Slide mower out from under tractor.

IMPORTANT: If an attachment other than the mower deck is to be mounted on the tractor, remove the front links and hook the clutch spring Into square hole in frame.

TO INSTALL MOWER

- 1. Raise attachment lift lever to its highest position.
- 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.
- Connect anti-sway bar to chassis bracket and secure with retainer spring.
- 7. Push clutch cable housing guide into bracket, slide collar onto guide and secure with large retainer spring.
- 8. Install belt onto engine pulley.



TO LEVEL MOWER HOUSING

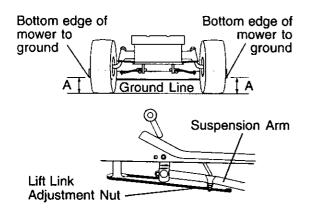
Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PROD-UCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT

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

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

• Recheck measurements after adjusting.



FRONT-TO-BACK ADJUSTMENT

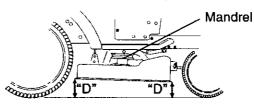
IMPORTANT: Deck must be level side-to side. If the following front-to-back adjustment is necessary, be sure to adjust both front links equally so mower will stay level side-to-side.

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

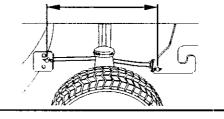
Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown.

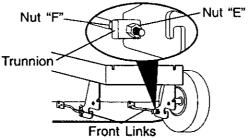
- Before making any necessary adjustments, check that both front links are equal in length.
- If links are not equal in length, adjust one link to same length as other link.

- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns.
- When distance "D" is 1/8" to 1/2" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.



Both Front Links Should be Equal in Length





TO REPLACE MOWER BLADE DRIVE BELT

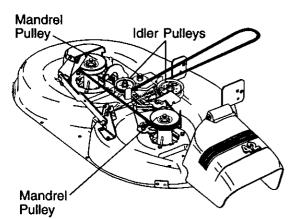
The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake.

BELT REMOVAL -

- Remove mower from tractor (See "TO REMOVE MOWER" in this section of manual).
- 2. Work beit 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).

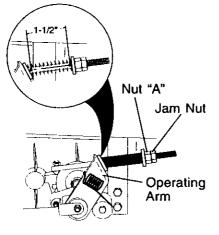


TO ADJUST BRAKE

Your tractor is equipped with an adjustable brake system which is mounted on the right side of the transaxle. If tractor requires more than six (6) feet stopping distance at high speed in highest gear on a level dry concrete or paved surface, then brake must be adjusted.

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

With Parking Brake "Engaged"



TO REPLACE MOTION DRIVE BELT

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

BELT REMOVAL -

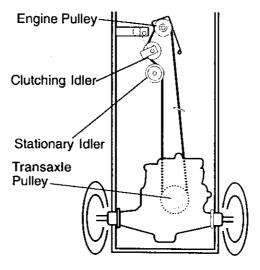
1. Remove mower (See "TO REMOVE MOWER" in this section of manual).

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

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

BELT INSTALLATION -

- 1. 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 around the top groove of engine pulley.
- 4. Install belt through stationary idler and clutching idler.
- 5. Make sure belt is in all pulley grooves and inside all belt guides and keepers.
- Install mower (See "TO INSTALL MOWER" in this section of manual).



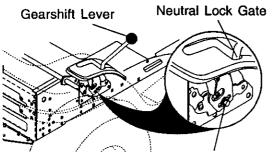
TRANSAXLE GEAR SHIFT LEVER NEUTRAL ADJUSTMENT

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

1. Make sure transaxle is in neutral (N). **NOTE:** When the tractor rear wheels move freely, the transaxle is in neutral.

- 2. Loosen adjustment bolt in front of the right rear wheel.
- 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.



Adjustment Bolt

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

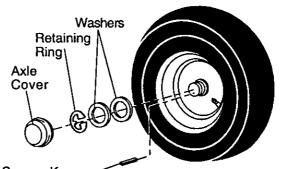
The front wheel toe-in and camber are not adjustable on your tractor. If damage has occurred to affect the front wheel toein or camber, contact a Sears or other qualified service center.

TO REMOVE WHEEL FOR REPAIRS

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

3. 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.



Square Key (Rear Wheel Only) TO START ENGINE WITH A WEAK BATTERY

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).

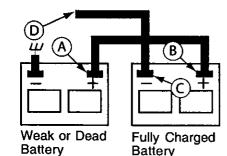
If "jumper cables" are used for emergency starting, follow this procedure: IMPORTANT: Your tractor is equipped with a 12 volt system. The other vehicle must also be a 12 volt system. Do not use your tractor battery to start other vehicles.

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

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

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

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

Seat Pan-

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.

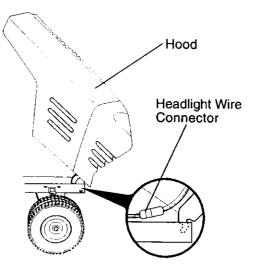
Check wiring. See electrical wiring diagram in the Repair Parts section.

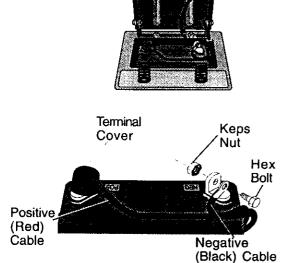
TO REPLACE FUSE

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

TO REMOVE HOOD AND GRILL ASSEMBLY

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





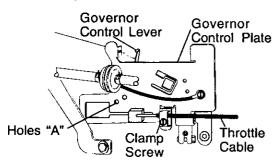
ENGINE

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

TO ADJUST THROTTLE CONTROL CABLE

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

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



TO ADJUST CARBURETOR

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

The carburetor has been preset at the factory and adjustment should not be necessary. However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows: In general, turning idle mixture valve in (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the idle mixture valve **out** (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture. **IMPORTANT:** Damage to the needle valve and the seat in carburetor may result if screw is turned in too tight.

PRELIMINARY SETTING -

- Air cleaner assembly must be assembled to the carburetor when making carburetor adjustments.
- 2. Be sure the throttle control cable is adjusted property (see above).

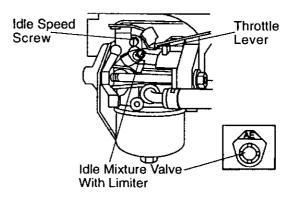
FINAL SETTING -

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

ACCELERATION TEST -

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

High speed stop is factory adjusted. Do not adjust or damage may result. **IMPORTANT:** Never tamper with the engine governor, which is factory set for proper engine speed. Overspeeding the engine above the factory high speed setting can be dangerous. If you think the engine-governed high speed needs adjusting, contact a Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.



STORAGE

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

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).
- 2. 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 TERMI-NALS" 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.

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

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

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

- 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 manua	I unless directed to	Sears service center
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PROBLEM	CAUSE	CORRECTION
Will not start	 Out of fuel. Engine not "CHOKED" properly. Engine flooded. Bad spark plug. Dirty air filter. Dirty fuel filter. Dirty fuel filter. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment.	
	10.Engine valves out of adjustment.	in Service and Adjustments section. 10.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. Drain fuel tank and refill with fresh 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	 Cutting too much grass/too fast. Throttle in "CHOKE" position. Build-up of grass, leaves and trash under mower. Dirty air filter. Low oil level/dirty oil. Faulty spark plug. Dirty fuel filter. Stale or dirty fuel. Water in fuel. Water in fuel. Spark plug wire loose. Dirty/clogged muffler. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Set in "Higher Cut" position/ reduce speed. Adjust throttle control. Clean underside of mower housing. Clean/replace air filter. Check oil level/change oil. Clean and regap or change spark plug. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Drain fuel tank and carbure tor, refill tank with fresh gasoline and replace fuel filter. Connect and tighten spark plug wire. Clean/replace muffler. Check all wiring. See "To Adjust Carburetor" in Service and Adjustments section. 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. Replace blade mandrel. Tighten loose part(s). Replace damaged parts.
Engine continues to run when operator leaves seat with with attachment clutch engaged	 Faulty operator-safety presence control system. 	 Check wiring, switches and connections. If not contact a Sears or other qualified service center.
Poor cut - uneven	 Worn, bent or loose blade. Mower deck not level. Buildup of grass, leaves, and trash under mower. Bent blade mandrel. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	 Replace blade. Tighten blade bolt. Level mower deck. Clean underside of mower housing. Replace blade mandrel. Clean around mandrels to open vent holes.

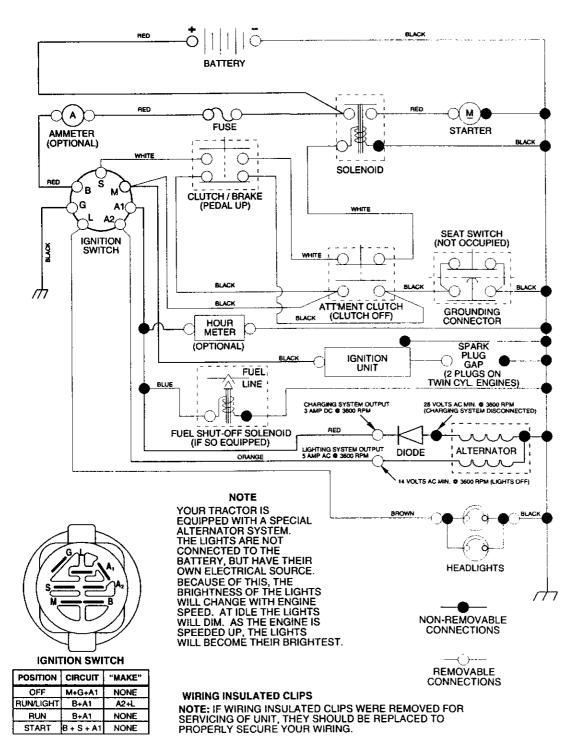
TROUBLESHOOTING CHART

PROBLEM	CAUSE	CORRECTION
Mower blades will not rotate	1. Obstruction in clutch mechanism.	1. Remove obstruction.
	 Worn/damaged mower drive belt. 	2. Replace mower drive belt.
	 Frozen idler pulley. Frozen blade mandrel. 	 Replace idler pulley. Replace blade mandrel.
Poor grass discharge	1. Engine speed too slow.	1. Place throttle control in "FAST" position.
	 2. Travel speed too fast. 3. Wet grass. 	 Shift to slower speed. Allow grass to dry before mowing.
	 Mower deck not level. Low/uneven tire air 	 Level mower deck. Check tires for proper air
	6. Worn, bent or loose blade.	pressure. 6. Replace/sharpen blade. Tighten blade bolt.
	 Buildup of grass, leaves and trash under mower. 	7. Clean underside of mower housing.
	 Mower drive belt worn. Blades improperly installed. 	 Replace mower drive belt. Reinstall blades sharp edge down.
	10. Improper blades used.	10.Replace with blades listed in this manual.
	11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	11.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. 	 Turn switch "ON". Replace bulb(s) or lamp(s). Check/replace light switch. Check wiring and connec
	5. Blown fuse.	tions. 5. Replace fuse.
Battery will not charge	 Bad battery cell(s). Poor cable connections. 	 Replace battery. Check/clean all connec tions.
	3. Faulty regulator (if so equipped).	3. Replace regulator.
	4. Faulty alternator.	4. Replace alternator.
Engine "backfires" when turning engine "OFF"	 Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine. 	 Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

See appropriate section in manual unless directed to Sears service center

TRACTOR -- MODEL NUMBER 917.271650

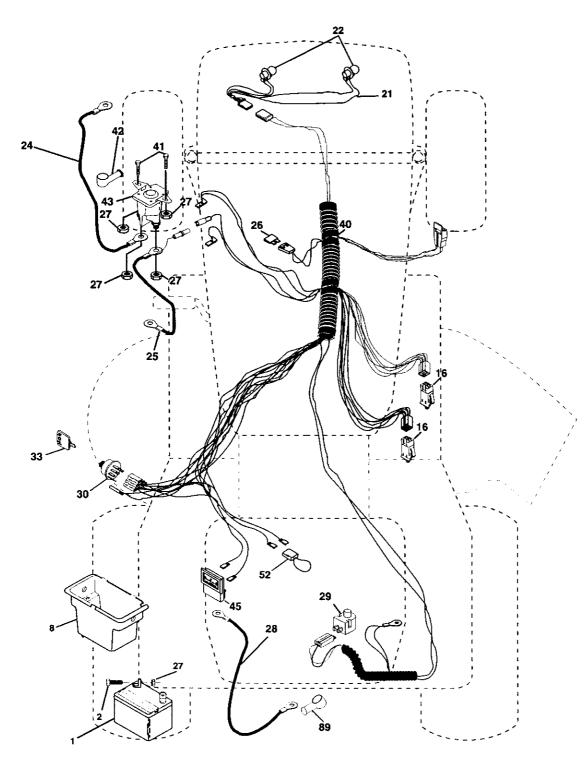
SCHEMATIC



REPAIR PARTS

TRACTOR -- MODEL NUMBER 917.271650

ELECTRICAL

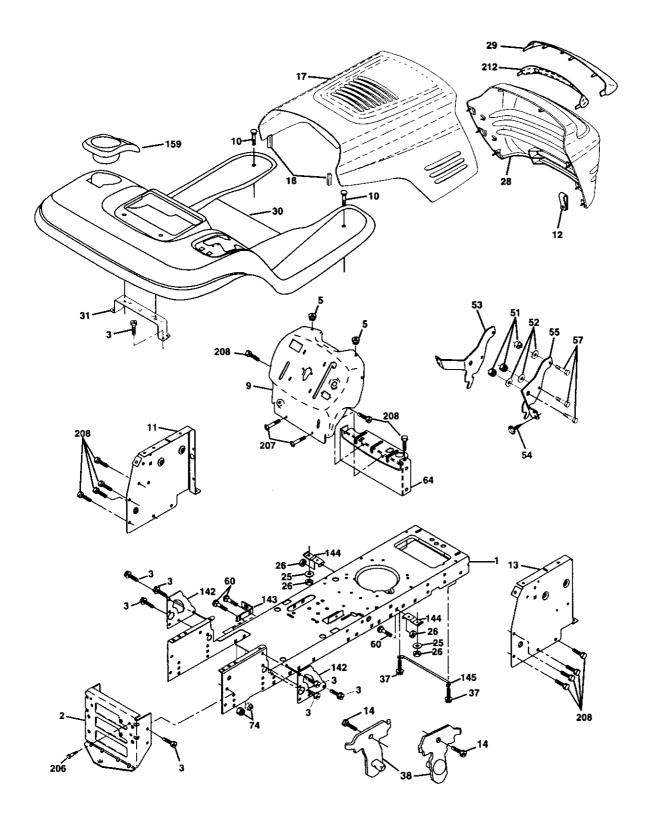


ELECTRICAL

	PART NO.	DESCRIPTION
1	163465	Battery
2	74760412	Bolt Hex Hd 1/4-20unc x 3/4
8	176689	Box Battery Fender
16	176138	Switch, Interlock
21	175688	Harness Asm Light W/4152j
22	4152J	Bulb Light #1156
24	4799J	Cable Battery 6 Ga 11* red
25	146147	Cable Battery 6 Ga w/16 wire red
26	175158	Fuse 20 AMP
27	73510400	Nut, Keps Hex 1/4-20 UNC
28	4207J	Cable Ground 6 Ga 12" black
29	121305X	Switch Plunger Nc Gray
30	175566	Switch Ign
33	140403	Key Ign Molded Craftsman
40	179720	Hamess Ign
41	71110408	Bolt Blk. Fin Hex 1/4-20 Unc x 1/2
42	131563	Cover Terminal Red
43	178861	Solenoid
	121433X	Ammeter Rectangular 6 Amp
52	141940	Protection Wire Loop
89	180499	Cover Battery Terminal

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

TRACTOR -- MODEL NUMBER 917.271650 CHASSIS AND ENCLOSURES



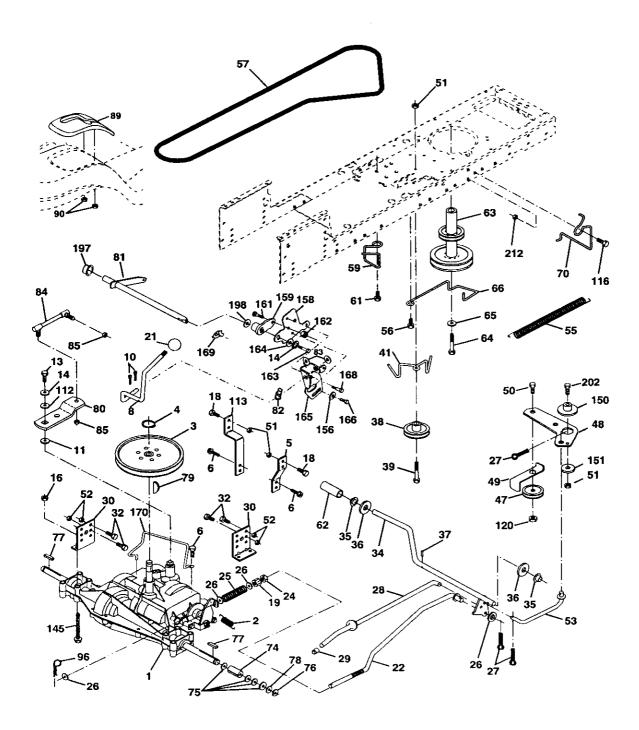
TRACTOR -- MODEL NUMBER 917.271650 CHASSIS AND ENCLOSURES

KEY	PART	
NO.	NO.	DESCRIPTION
1	174619	Chassis
2	176554	Drawbar
3	17060612	Screw 3/8-16 x 3/4
5	155272	BumperHood/Dash
9	168337X013	
10	STD533710	Bolt, Carriage 3/8-16 x 1
11	155927	Panel, Dash, L.H.
12	145660	Clip Tinnerman Grille P/L
13	172107X010	
14	17490608	Screw Thdrol 3/8-16 x 1/2
17	144983X558	
18	126938X	Bumper Hood
25	19131312	Washer 13/32 x 13/16 x 12 Gauge
26	STD541437	Nut, Lock Hex W/Ins. 3/8-16 UNC
28	178987X558	
29	155217X599	
30	175692X558	
31	139976	Bracket, Fender Support
37	17490508	Screw Thdrol 5/16-18 x 1/2 TYT
38	175710	Bracket Asm Pivot
51	73800400	Nut Lock w/Insert 1/4-20 UNC
52	19091416	Washer 9/32 x 7/8 x 16 Ga. Bracket Grille Pickoff LH
53	145201	Screw Hex WSHD 8-18 x 7/8
54	161464	Bracket Grille Pickoff RH
55	145202	Bolt, Fin Hex 1/4-20 UNC x .75
57	STD522507 STD533707	Bolt Rdhd Sqnk 3/8-16 UNC x 3/4
60 64	154798	Dash Lower STLT
74	STD541437	Nut, Crownlock 3/8-16 UNC
142	175702	Plate Reinforcement STLT
143	154966	Bracket Swaybar Chassis
143	175582	Bracket Footrest
145	156524	Rod Pivot Chassis/Hood
159	155123X428	
206	170165	Bolt Shoulder 5/16-18 TT
207	17670508	Screw Thdrol 5/8-18 x 1/2
208	17670608	Screw Thdrol 3/8-16 x 1/2
212	165919	Insert Lens Reflective
	5479J	Plug, Button

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

TRACTOR - - MODEL NUMBER 917.271650

GROUND DRIVE

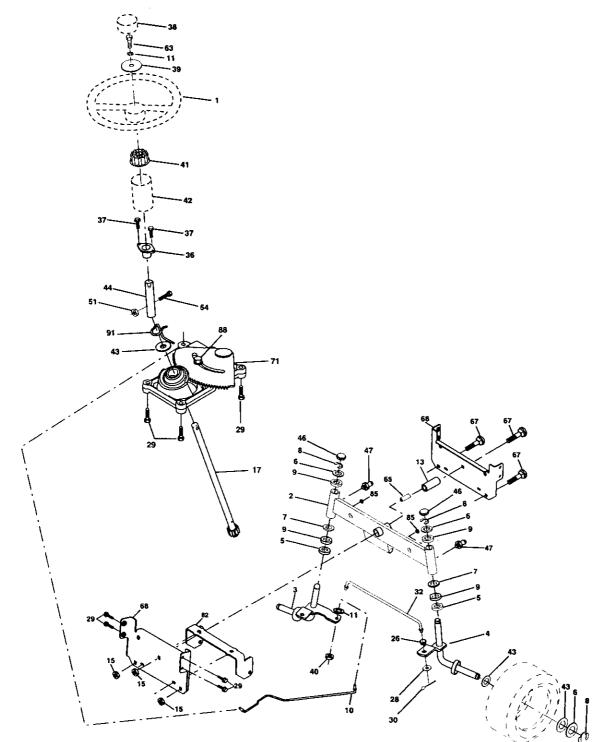


GROUND DRIVE

	PART			PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1		Transaxie (See Breakdown)	65	STD551143	Washer Lock Hvy Hicl Spr 7/16
		Peerless 206-545C	66	154778	Keeper Belt Engine
2	146682	Spring Return Brake T/a Zinc	70	134683	Guide Belt Mower Drive RH
3	123666X	Pulley Transaxle 18/20" tires	74	137057	Spacer Split
4	12000028	Ring Retainer # 5100-62	75	121749X	Washer 25/32 x 1 1/4 x 16 Ga
5	121520X	Strap Torque 30 Degrees	76	STD581075	E-ring #5133-75
6	17060512	Screw 5/16-18 x 3/4	77	123583X	Key Šquare
8	165866	Rod Shifter Fender STLT	78	121748X	Washer 25/32 x 1-5/8 x 16ga
10	STD561210	Pin Cotter 1/8 x 1 Cad	79	2228M	Key Woodruff
11	105701X	Washer Plate Shf 388 Sq Hole	80	131486	Arm, Shift
13	74550412	Bolt 1/4-28unf Gr8 W/Patch	81	165594	Shaft Assembly
14	10040400	Washer Lock Hvy Helical 1/4	82	165711	Spring, Torsion
16	STD541431	Nut Lock Hex w/ins. 5/16-18 Unc	83	19171216	Washer 17/32 x 3/4 x 16 Gauge
18	STD523710	Bolt Fin Hex 3/8-16unc x 1 Gr.5	84	166228	Link Transaxle
19	STD541437	Nut Lock Hex W/Ins. 3/8-16 Unc	85	150360	Nut, Nylock
21	106933X	Knob Rd 1/2-13 Plstc Thds Blk	89	158391X428	
22	130804	Rod Brake Blk Zinc 26 840	90	124346X	Nut, Self-Threading, Washer
24	STD541237	Nut Hex Jam 3/8-16 Unc			Hd 1/4
25	106888X	Spring Rod Brake 2 00 Zinc	96	STD624003	Retainer Spring
26	STD551037	Washer 13/32 x 13/16 x 16 Ga	112	19091210	Washer 9/32 x 3/4 x 10 Ga
27	STD561210	Pin Cotter 1/8 x 3/4 Cad	113	127285X	Strap Torque
28	175765	Rod Brake Parking Lt/Yt	116	STD533710	Bolt RdHd Sqnk 3/8-16 x 1 Unc
29	71673	Cap Brake Parking	120	73900600	Nut Lock Flg. 3/8-16 Unc
30	174973	Bracket Mtg Transaxie	145	74490540	Bolt Hex Flghd 5/16-18 x Gr.5
32	STD523107	Bolt Hex Hd 5/16-18unc x 3/4	150	175456	Spacer Retainer
34 35	175578	Shaft Asm Pedal Foot	151	19133210	Washer 13/32 x 2 x 10 Ga.
35 36	120183X	Bearing Nylon Blk 629 ld	156	166002	Washer Strted 5/16ID x 1.125
30	STD551062 STD571810	Washer 21/32 x 1 x 16 Ga	158	165589	Bracket Shift Mount
37	179114	Pin Roll 3/16 x 1*	159	165494	Hub Tapered Flange Shift Lt
39	74760648	Pulley Composite Flat Bolt Fin Hex 3/8-16unc x 3	161	72140406	Bolt Rdhd Sqnk 1/4-20 x 3/4 Gr.5
39 41	175556		162	73680400	Nut Crownlock 1/4-20 UNC
41	127783	Keeper Belt Idler Pulley Idler	163	74780416	Bolt Hex Fin 1/4-20 UNC x 1 Gr.5
48	154407	Bellcrank Clutch Grnd Drv STL	164	19091010	Washer 5/8 x .281 x 10 Ga.
49	123205X	Retainer Belt Style Spring	165	165623	Bracket Pivot Lever
49 50	STD523715	Bolt Hex Hd 3/8-16unc x 1-1/2	166	166880	Screw 5/16-18 x 5/8
51	STD541437	Nut Crownlock 3/8-16 UNC	168	165492	Bolt shoulder 5/16-18 x .561
52	STD541431	Nut Crown Lock 5/16-18	169	165580	Plate Fastening Lt
53	105710X	Link Clutch 7 66	170 197	178394	Keeper Belt T/A
55	105709X	Spring Return Clutch 6 75	197	169613 169593	Nyliner Snap-In 5/8" ID
56	17060620	Screw 3/8-16 x 1-1/4	202	72110614	Washer Nyl 7/8ID x .105" Bolt Corr Sh 2/8 16 x 1 8/4 Co 5
57	138301	V-Belt Gd Drive	212	145212	Bolt Carr Sh 3/8-16 x 1-3/4 Gr.5
59	169691	Keeper Belt Centerspan	212	145212	Nut Hex Flange Lock
61	17120614	Screw 3/8-16 x .875			
62	8883R	Cover Pedal Bik Round	NOT		
63	175410	Pulley Eng			ent dimensions give in U.S. inches
64	71170764	Boit Hex 7/16-20 x 4 Gr 5	1 Inch	n = 25.4 mm	
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TRACTOR -- MODEL NUMBER 917.271650 STEERING ASSEMBLY

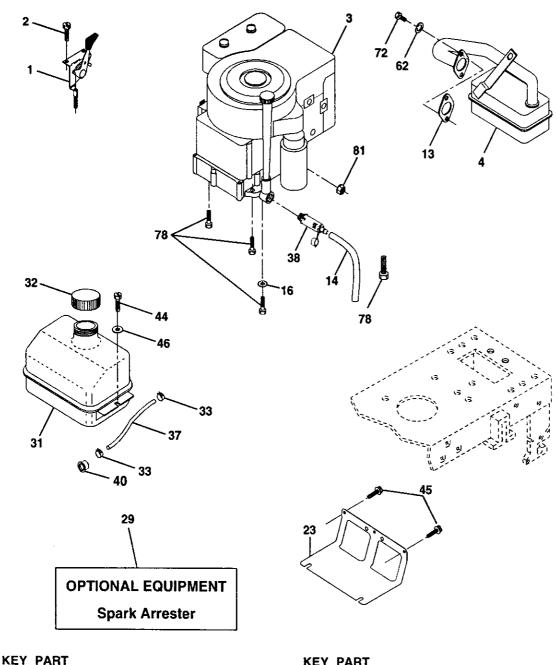


TRACTOR -- MODEL NUMBER 917.271650 STEERING ASSEMBLY

KEY	PART	
NO.	NO.	DESCRIPTION
1	139768	Steering Wheel
2	175131	Front Axle Assembly
3	169840	Spindle Assembly, L.H.
4	169839	Spindle Assembly, R.H.
5	6266H	Bearing, Race, Thrust, Hardened
6	121748X	Washer 25/32 x 1-5/8 x 16 Gauge
7	19272016	Washer 27/32 x 1-1/4 x 16 Gauge
8	12000029	Ring, Klip
9	3366R	Bearing, Steering Column
10	175121	Link, Drag
11	STD551137	Washer, Lock
13	136518	Spacer, Bearing, Front Axle
15	145212	Nut Lock Hex Flange
17	177876	Shaft Asm. Steering
26	126847X	Bushing, Link, Drag
28	19131416	Washer 13/32 x 7/8 x 16 Gauge
29	17060612	Screw 3/8-16 x 3/4 Pin
30	STD561210	Rod. Tie
32 36	130465 155099	Bushing, Steering
30 37	152927	Screw TT #10-32 x 5 x 3/8 Flange
38	139769	Cap Wheel Steer OPP Bik
39	19133812	Washer 13/32 x 2-3/8 x 12 Gauge
40	STD541537	Nut Lock Center 3/8-24 UNF
41	100711L	Adaptor, Steering Wheel
42	145054X428	
43	121749X	Washer 25/32 x 1-1/4 x 16 Gauge
44	153720	Extension Steering Non-Adjust
46	121232X	Cap, Spindle
47	6855M	Fitting, Grease
51	STD541431	Nut Lock Hx W/Ins 5/16-18 UNC
54	74780520	Bolt Fin Hex 5/16-18 UNC x 1-1/4
63	STD523710	Bolt Fin Hex 3/8-16 unc. x 1 Gr. 5
65	160367	Spacer Brace Axle
67	72140618	Bolt Rdhd Sq 3/8-16 x 2-1/4
68	169827	Brace Axie
71	175146	Steering Asm.
82	169835	Bracket Susp Chassis Front
85	133835	Fastener Christmas Tree
88	175118	Bolt Shoulder 7/16-20 Unc
91	175553	ClipSteering

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

ENGINE

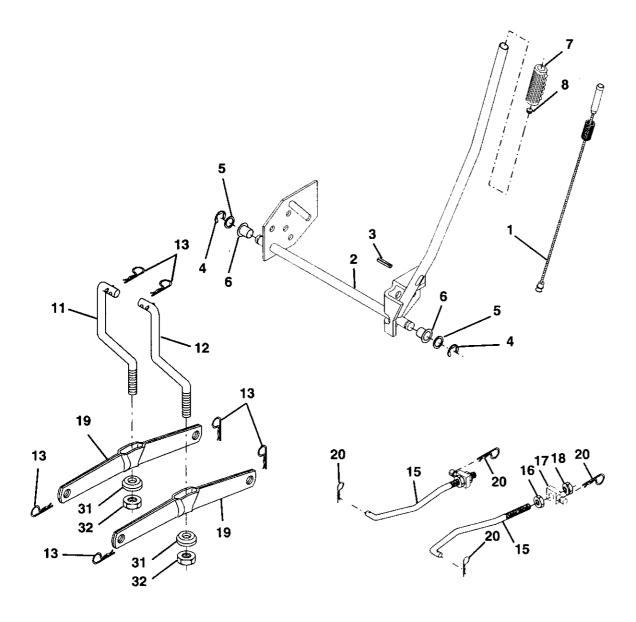


KEY	PART	
NO.	NO.	DESCRIPTION
1	170545	Control Throttle/Choke
2	17720408	Screw Hex Thd Cut 1/4-20x1/2 T
3		Engine (See Breakdown) Briggs
		Model310707-0137-E1
4	137352	Muffler Exhaust B&S Lt
13	165291	Gasket 1 313 Id Tin Plated
14	148456	Tube Drain Oil
16	STD551237	Washer Lock Ext Tooth 3/8
23	169837	Shield BRN/DBR Guard
29	137180	Arrestor Spark
31	109202X	Tank Fuel 1 25 Fr
32	158990	Cap Asm Fuel W/sym Vented
33	123487X	Clamp Hose Blk
		•

NET	FADI	
NO.	NO.	DESCRIPTION
37	137040	Line Fuel 20"
38	148315	Plug Oil Drain
40	124028X	Bushing Snap Nyl Blk Fuel Line
44	17670412	Screw Hexwsh Thdrol 1/4-20x3/4
45	17000612	Screw Hexwsh Thdr 3/8-16 x 3/4
46	19091416	Washer 9/32 X 7/8 X 16ga
62	STD551131	Washer Lock Hvy Hicl Spr 5/16
72	71070512	Screw Hexhd Cap 5/16-18x3/4
78	17060620	Screw 3/8-16x1-1/4
81	73510400	Nut Keps Hex 1/4-20unc
NOTE		opt dimonsions given in LLS inches

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

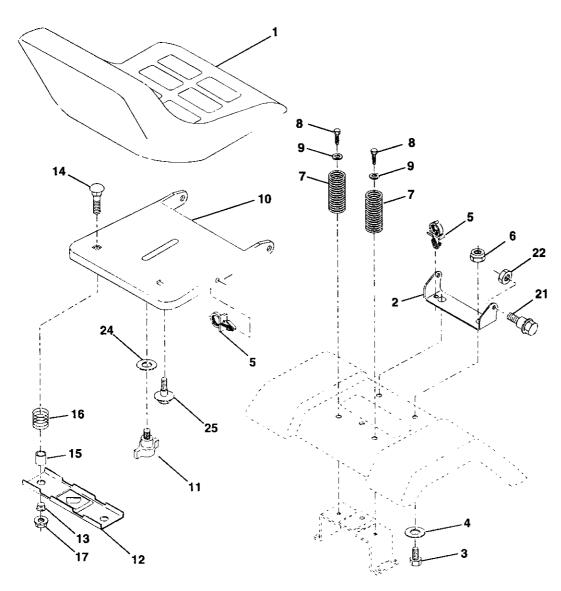
LIFT ASSEMBLY



KEN NO.		DESCRIPTION	KEY NO.	PART NO.
1	159460	Washer Asm Inner Spring W/	13	STD624008
		Plunger	15	173288
2	159471	Shaft Asm. Lift RH	16	73350800
3	105767X	Pin Groove	17	175689
4	12000002	E Ring #5133-62	18	73800800
5	19211621	Washer 21/32 x 1 x 21 Ga.	19	139868
6	120183X	Bearing Nylong	20	163552
7	125631X	Grip Handle Fluted	31	169865
8	122365X	Button Plunger Read	32	73540600
11 12	139865 139866	Link Asm Lift L.H. Link Asm Lift R.H.		E: All compone
			1 incr	1 = 25.4 mm

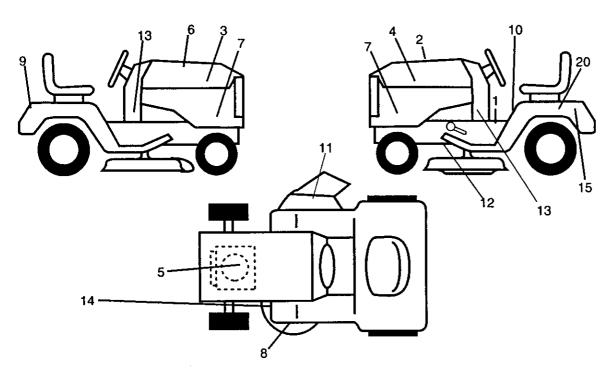
KEY	PART				
NO.	NO.	DESCRIPTION			
13	STD624008	Retainer Spring			
15	173288	Link Front			
16	73350800	Nut Jam Hex 1/2-13 Unc			
17	175689	Trunnion Front Susp.			
18	73800800	Nut Lockw/wsh 1/2-13 Unc			
19	139868	Arm Suspension Mower			
20	163552	Retainer Spring			
31	169865	Bearing, Pvt. Lift.			
32	73540600	Nut Crownlock 3/8-24			
NOTE: All component dimensions given in U.S. inches					

SEAT ASSEMBLY



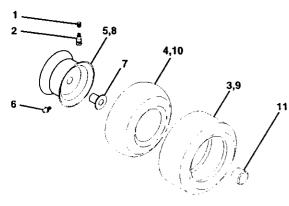
KEY NO.	PART NO.	DESCRIPTION	•	PART NO.	DESCRIPTION		
1	140122	Seat	13	121248X	Bushing Snap Blk Nyl 50 ld		
2	140551	Bracket Pnt Pivot Seat (blk)	14	72050412	Bolt Rdhd Sht Nk 1/4-20x1-1/2		
3	71110616	Bolt Fin Hex 3/8-16unc X 1	15	134300	Spacer Split 28 X 96 Zinc		
4	19131610	Washer 13/32 X 3/4 X 10 Ga	16	121250X	Spring Cprsn 1 27 Blk Pnt		
5	145006	Clip Push In Hinged	17	123976X	Nut Lock 1/4 Lge Flg Gr 5 Zinc		
6	STD541437	Nut Hex Lock w/Ins 3/8-16 Unc	21	171852	Bolt Shoulder 5/16-18 Unc-2A		
7	124181X	Spring Seat Cprsn 2 250 Blk Zi	22	STD541431	Nut Hex Lock w/Ins 5/16-18		
8	17000616	Screw 3/8-16 X 1 -1/2	24	19171912	Washer 17/32 X 1-3/16 X 12 Ga		
9	19131614	Washer 13/32 X 1 X 14 Ga	25	127018X	Bolt Shoulder 5/16-18 X 62		
10	174894	Pan Pnt Seat (blk.)					
11	166369	Knob Seat	NOTE	• All compone	nt dimensions given in U.S. inches		
12	121246X	Bracket Pnt Mounting Switch	NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm				
		···· g - ·····	F INCH	= 20.4 1100			

DECALS



KEY	PART		KEY	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	156368	Decal, Oper. Instr.	12	146046	Decal, V-belt Dr Sch
2	181409	Decal, Replcmnt	13	181702	Decal, Dash, Panel
3	171696	Decal, Hood Rh	14	160396	Decal, V-belt Schematic
4	171697	Decal, Hood Lh	15	138047	Decal Battery
5	181450	Decal, Hp Engine	20	149516	Decal, Battery Dngr/Psn Eng
6	133644	Decal, Maint Customer Sears Dom		138311	Decal, Lift Handle
7	177253	Decal, Hood Side		165800X428	Pad, Footrest LH STLT
8	172331	DecalMower		165799X428	Pad, Footrest RH STLT
9	163204	Decal, Fender Craftsman		181288	Manual, Owner's (English)
10	156439	Decal, Fender Danger		181289	Manual, Owner's (Spanish)
11	179128	Decal, Deck			

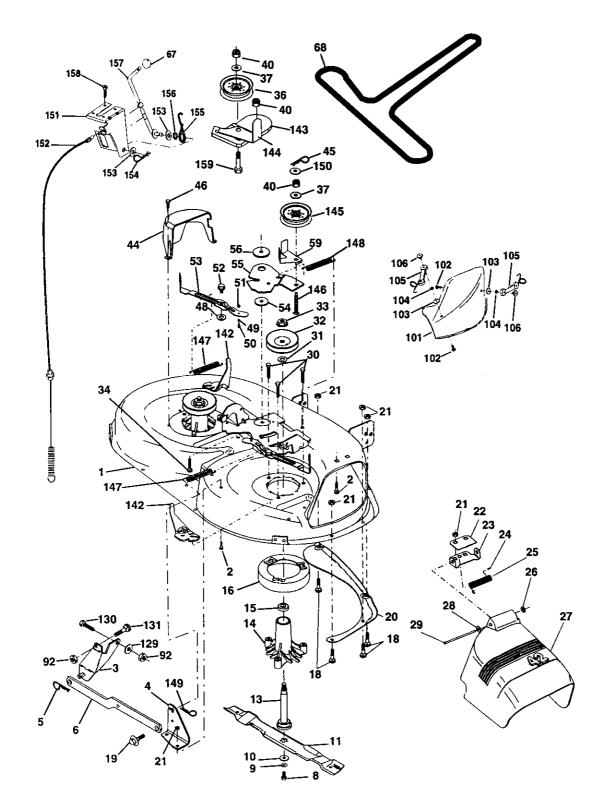
WHEELS & TIRES



KEY	PART	
NO.	NO.	DESCRIPTION
1	59192	Cap Value Tire
2	65139	Stem Value
3	106222X	Tire F Ts 15 X 6 0 - 6 Service
4	59904	Tube Inner Front #35060
5	106732X427	Rim Asm 6"front White Service
6	278H	Fitting Grease
7	9040H	Bearing Flange
8	106108X427	Rim Asm 8"rear White Service
9	106268X	Tire R Ts 18x9 5-8 Service
10	7152J	Tube Rear 9 5 X 8 Service
11	104757X428	Cap Axle Blk 1 50 X 1 00
	144334	Sealant, Tire (10 oz. tube)

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

MOWER DECK



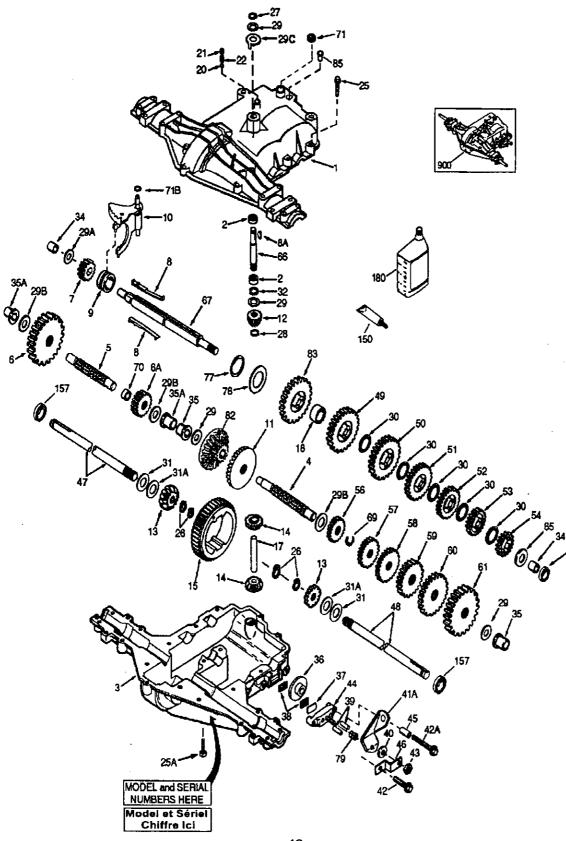
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MOWER DECK

KEY	PART		•	PART	
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1	165892	Mower Deck Assembly, 42"	52	139888	Bolt, Shoulder 5/16-18 UNC
2	STD533107	Bolt	53	131845	Arm Assembly, Pad, Brake
3	138017	Bracket Assembly, Sway Bar,	54	133943	Washer, Hardened
		Front	55	155046	Arm, Idler
4	165460	Bracket Sway Bar 38/42" Deck	56	165723	Spacer, Retainer
5	STD624008	Retainer Spring	59	141043	Guard, TUV Idler
6	178024	Bar Sway Deck	67	149846	Knob Custom Oval
8	850857	Bolt, Hex 3/8-24 x 1.25 Gr. 8	68	144959	V-Belt
9	STD551137	Washer, Lock	92	STD541437	Nut
10	140296	Washer, Hardened	101	136420	MulcherCover
11	134149	Blade, Mulching	102	71081010	Screw
13	137645	Shaft Assembly, Mandrel, Vented	103	19061216	Washer #10
14	128774	Housing, Mandrel, Vented	104	STD551110	Washer, Lock
15	110485X	Bearing, Ball, Mandrel	105	160793	Latch Assembly, Bagger
16	174493	Stripper, Vented Mower Deck	106	2029J	Nut, Weld
18	72140505	Bolt, Carriage 5/16-18 x 5/8	129	19131312	Washer 13/32 x 13/16 x 12 Ga.
19	132827	Bolt, Shoulder	130	STD523710	Bolt, Fin Hex 3/8-16 UNC x 1 Gr.5
20	159770	Baffle, Vortex	131	STD533710	Bolt, Rdhd Sqnk 3/8-16UNC x 1
21	STD541431	Nut Crownlock 5/16-18 UNC	142	165890	Arm Spring Brake Mower
22	134753	Stiffener Bracket	143	157109	Bracket Arm Idler 42"
23	131267	Bracket, Deflector	144	158634	Keeper Belt 42" Clutch Cable
24	105304X	Cap, Sleeve	145	165888	Pulley Idler Flat
25	123713X	Spring, Torsion, Deflector	146	171977	Bolt Carriage Idler
26	110452X	Nut, Push	147	131335	Spring Extension
27	130968X428	Shield, Deflector	148	169022	Spring Return Idler
28	19111016	Washer 11/32 x 5/8 x 16 Ga.	149	165898	Retainer Spring Yellow Zinc
29	131491	Rod, Hinge	150	19091216	Washer 9/32 x 3/4 x 16 Ga.
30	173984	Screw Thd Roll Dod Pt. Hex	151	169670	Bracket Clutch
31	129963	Washer, Spacer	152	169676	Cable Clutch 42 In
32	153535	Pulley, Mandrei	153	169674	Washer Flat 3/8" Type B
33	178342	Nut, Toplock, Flanged	154	169675	Spring Retainer
34	STD533717	Bolt	155	169671	Spring Retention Lever
36	131494	Pulley, Idler, Flat	156	169672	Spacer
37	STD551037	Washer 13/32 x 13/16 x 16 Ga.	157	169669	Rod Clutch
40	STD541437	Nut Crownlock 3/8-16 UNC	158	17720408	Screw Hex Thd Cut 1/4-20 x 1/2
44	140088	Guard, Mandrel, L.H.	159	72140614	Bolt Tdhd Sgn 3/8-16UNC x 1-3/4
45	STD624003	Retainer		130794	Mandrel Assembly (Includes
46	137729	Screw, Thd. Roll 1/4-20 x 5/8			Housing, Shaft and Shaft
48	133944	Washer, Hardened			Hardware Only - Pulley Not
49	174284	Roller Assembly, Carn Follower			Included)
50 51	131340 STD541410	Bolt, Shoulder #10-24 Grade 5 Locknut	÷ -	169583	Replacement Mower, Complete
5.	010041410	LOONING	NOTE	: All compon	ent dimensions given in U.S.inches

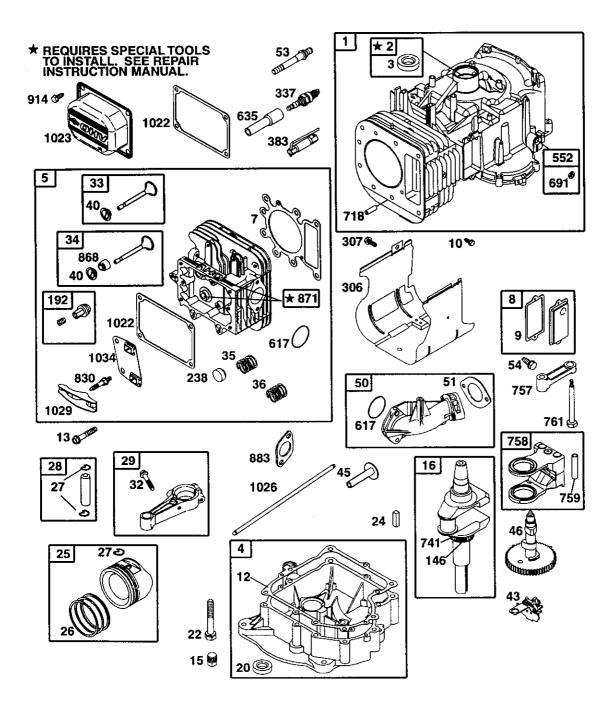
NOTE: All component dimensions given in U.S.inches 1 inch = 25.4 mm

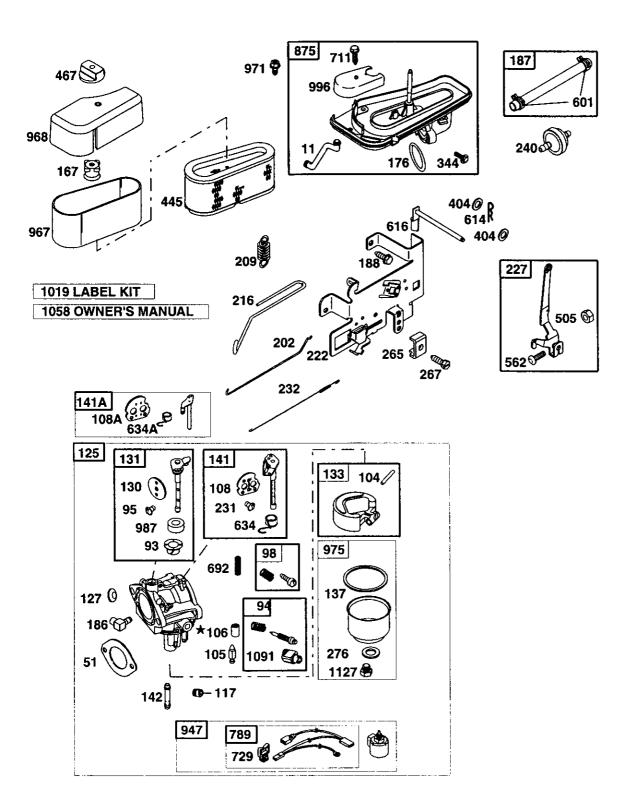
TRACTOR - - MODEL NUMBER 917.271650 PEERLESS TRANSAXLE - - MODEL NUMBER 206-545C

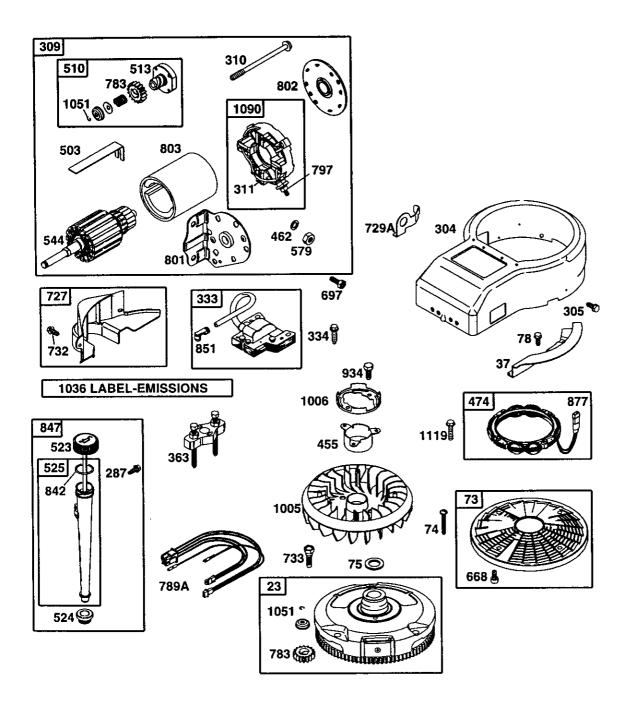


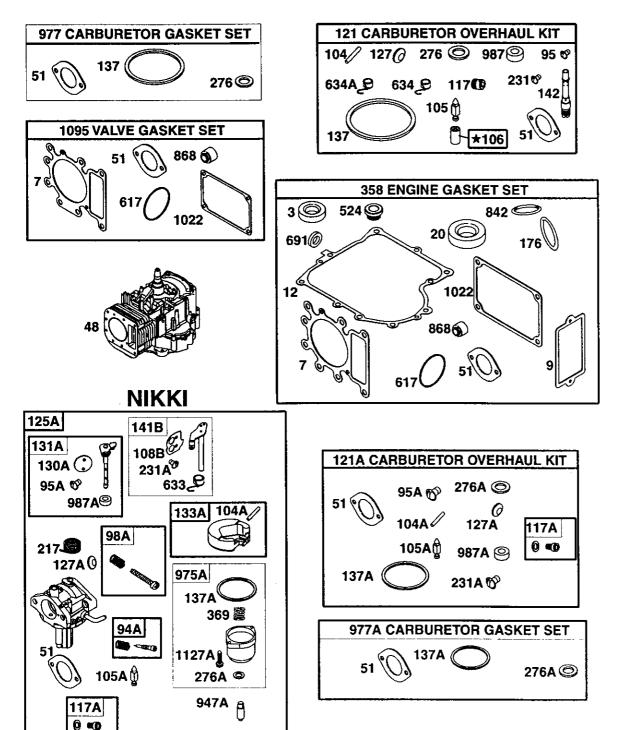
TRACTOR -- MODEL NUMBER 917.271650 PEERLESS TRANSAXLE - - MODEL NUMBER 206-545C

REF NO.	PART NO.	DESCRIPTION	REF NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 6 7 8 8 9 11123 1 4 5 7 8 0 1225 2 5 4	772147 780086A 770128 776395 776409 778364 778369 778330 792180 792047 784352 784378 778368 778368 778368 778368 778368 778368 778368 778370 786188 786102 792077A 792077A 792077A 792073A 792177	Transaxle Cover Needle Bearing 5/8" Transaxle Case Countershaft Output Shaft Spur Gear (38 teeth) Spur Gear (15 teeth) Spur Gear (15 teeth) Spur Gear (11 teeth) Shift Key Woodruff Key #9 Shift Collar Shift Rod & Fork Bevel Gear (30 teeth) Input Bevel Pinion (13 teeth) Bevel Gear (13 teeth) (Include. 14) Bevel Pinion (13 teeth) (Include. 13) Ring Gear (43 teeth) Drive Pin Spacer 1.130 X .695 Ball 5/16" dia Set Screw 3/8 - 16 x 3/8" Spring .310 OD x .625 L Screw 1/4 - 20 x 1-1/4" Screw 1/4-20 x 1-3/8"	41A 42A 434 456 47890 555555555 556666790 666790	790079 792073A 792085A 792075 786066 786086 774690 774691 778356 778358 778354 778350 778350 778350 778350 778355 778357 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353 778353	Brake Lever Screw 1/4 - 20 x 1-1 /4" Screw 1/4 - 20 x 2 1/4" Locknut 5 / 16 - 24 Brake Pad Holder Spacer .2625 x 1.0 Brake Lever Bracket Axle (11-15 / 16" Long) Axle (16 - 1 / 2" long) Spur Gear (29 teeth) Spur Gear (27 teeth) Spur Gear (23 teeth) Spur Gear (19 teeth) Spur Gear (16 teeth) Spur Gear (16 teeth) Spur Gear (17 teeth) Spur Gear (17 teeth) Spur Gear (21 teeth) Spur Gear (22 teeth) Spur Gear (21 teeth) Spur Gear (22 teeth) Spur Gear (21 teeth) Spur Gear (25 teeth) Flat Washer .563 ID x .062W Input Shaft Shifter & Brake Shaft Retaining Ring Spacer .890
26 27 28 29	792125 792035 788040 780072	Retaining Ring (pkg of 2) Retaining Ring Retaining Ring Thrust Washer .627 ID x .031W	71 71B 76 77 79	788069 788092 780090 788078A 792144	Square Cut Ring "O" Ring Flat Washer 1.128 ID x.058W Inverted Retaining Ring Spring .430 OD x .5000 L
29A	780160	Thrust Washer .762 ID x .031W	82	778333	Bevel & Spur Gear (30 & 13 teeth)
29B	780051	Thrust Washer .762 ID x .031W	83 85	778338 792154	Spur Gear (27 teeth) Oil Fill Plug
29C 30	780199 780108	Anti-Rotation Washer .632 Cup Washer 1.127 ID x .032W	87 150 157	788089A 788093A 788088A	Oil Seal 9 / 16" Liquid Gasket RTV Silicone Oil Seal 3 /4"
31	780001	Flat Washer .750 ID x .056W (Use As Needed)	180 900	730229A 794712	Gear Oil 80W90 Replacement MST - 206-
31A 32 34	780195 788083 780194	Flat Washer .750 ID x .062W Oil Seal 5/8" Bushing .563			545C Transaxle
35 35A 36 37 38 39 40	780193	Flanged Bushing 5 / 8" ID Flanged Bushing .751 Brake Disk Brake Pad Plate Brake Pad (pkg of 2) Dowel Pin Flat Washer .312 ID x .059W		E: All compo es 1 inch = 25	onent dimensions given in U.S. 5.4 mm









KEY	PART			KEY	PART		
NO.	NO.		DESCRIPTION	NO.	NO.		DESCRIPTION
1	690156		Cylinder Assembly	105	231855	Ø	Valve-Float Needle
2	399265		Kit-Bushing/Seal		694922		Valve-Float Needle
3	391086		Seal-Oil (Magneto Side)	106	690577		Seat-Inlet
4	494238		Sump-Engine	108	690464		Valve-Choke (Manual Choke)
5 7	690188		Head-Cylinder	108A	692344		Valve-Choke(Choke-A-Matic)
7	692410	•+	Gasket-Cylinder Head	_			
8	495735		Breather Assembly		695419	_	Valve-Choke(Nikki Carburetor)
9	27803	•	Gasket-Breather	117		Ø	Jet-Main (Standard)
10	691666		Screw (Breather Assembly)		692411	~	Jet-Main (High Altitude)
11	691328		Tube-Breather	117A	695415		Jet-Main (Standard)
12	692226	٠	Gasket-Crankcase (.015	101	695416	Ø	Jet-Main (High Altitude)
	000400	_	Thick, Std)	121	690191 695427		Kit-Carburetor Overhaul Kit-Carburetor Overhaul
	692406	•	Gasket-Crankcase (.005		690194		Carburetor
	692405	•	Thick) Gasket-Crankcase (.009	125A			Carburetor (Nikki) (Service
	092405	•	Thick)	120/1			with Walbro Carburetor)
13	690360		Screw (Cylinder Head)	127	695005	Ø	Plug-Welch
15	690946		Plug-Oil Drain		690727		Plug-Welch
16	690136		Crankshaft	130	691750		Valve-Throttle
20	291675	•	Seal-Oil		695418		Valve-Throttle
22	692125		Screw (Crankcase Cover)	131	494379		Kit-Throttle Shaft
23	693557		Flywheel		695421		Kit-Throttle Shaft
24	222698		Key-Flywheel	133	494381		Float-Carburetor
25	692271		Piston Assembly (Standard)		694914	~.	Float-Carburetor
	692272		Piston Assembly (.010 O.S.)	137			Gasket-Float Bowl
	692273		Piston Assembly (.020 O.S.)			ωţ	Gasket-Float Bowl
~~	692274		Piston Assembly (.030 O.S.)	141	495097		Kit-Choke Shaft (Manual
26	690162		Ring Set-Piston (Standard)	1414	405021		Choke) Kit Choke Shoft (Choke A
	692164		Ring Set-Piston (.010 O.S.) Ring Set-Piston (.020 O.S.)	1417	495931		Kit-Choke Shaft (Choke-A- Matic)
	692166 692168		Ring Set-Piston (.020 O.S.)	1418	695420		Kit-Choke Shaft (Nikki)
27	691299		Lock-Piston Pin	142	692412	Ø	Nozzle-Carburetor
28	498319		Pin-Piston (Standard)	146	691639	~	Key-Timing
	498320		Pin-Piston (.020 O.S.)	167	692297		Air Cleaner Stud Seal
29	692419		Rod-Connecting (Standard)	176	691917	٠	O-Ring Seal (Air Cleaner)
	499940		Rod-Connecting (.020 U.S.)	186	692317		Connector-Hose
32	692852		Screw (Connecting Rod)	187	691050		Line-Fuel (Cut to Required
33	495856		Valve-Exhaust				Length)
34	495857		Valve-Intake	188	691693		Screw (Control Bracket)
35	691279		Spring-Valve (Intake)	192 202	691986		Adjuster-Rocker Arm
36 37	691279		Spring-Valve (Exhaust)	202	691841 692208		Link-Mechanical Governor Spring-Governor
40	690456 691752		Guard-Flywheel Retainer-Valve	216	691840		Link-Choke
43	691968		Slinger-Governor/Oil	217	695409		Spring-Choke Return
45	690564		Tappet-Valve	222	694042		Bracket-Control
46	692421		Camshaft	227	691374		Control Lever-Governor
48	692706		Short Block (311707-0028-	231	691636	Ø	Screw (Choke Valve)
			E1 Replacement Engine)	231A	690718		Screw (Choke Valve)
50	690193		Manifold-Intake	232	691842		Spring-Governor Link
51		؇	+ Gasket-Intake	238	691843		Cap-Valve
53	690227		Stud (Carburetor)	240	394358		Filter-Fuel
54	691148		Screw (Intake Manifold)	265	691024		Clamp-Casing
73	690492		Screen-Rotating	267	695134	<u>a</u> +	Screw (Casing Clamp)
74	691674		Screw (Rotating Screen)	276			Sealing Washer
75 78	690582 690661		Washer (Flywheel)		Settings:	64	Sealing Washer Low Speed: 1900-2100
93	690602		Screw (Flywheel Guard) Bushing-Throttle Shaft	111 199	Settings.		High Speed: 3000-3200
94	498030		Kit-Idle Mixture				ringin opeca. cooc ceco
94A	695425		Kit-Idle Mixture	•	Included	in	Engine Gasket Set, Key. No.
95	691636	Ø			358		
95A	690718	-	Screw (Throttle Valve)	Ø	Included		Carburetor Overhaul Kit, Key.
98	495800		Kit-Idle Speed		No. 121a	and	121A
98A	695408	~	Kit-Idle Speed	‡			Carburetor Gasket Set, Key.
104	690525		Pin-Float Hinge		No. 977		
104/	\$ 694918	Ø	Pin-Float Hinge	+		n	Valve Gasket Set, Key. No.
				NOT			pent dimensions given in U.S.

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

KEY	PART				PART		DECODIDEION
NO.	NO.		DESCRIPTION	NO.	NO.		DESCRIPTION
287	691002		Screw (Dipstick Tube)	789	692037		Harness-Wiring
304	690844				695050		Harness-Wiring
305	690960				693167		Nut (Brush Retainer)
306	690499		Shield-Cylinder		691429		Cap-Drive
307	691003			802			Cap-End Housing Starter
309	693551		Motor-Starter	803			Housing-Starter
310	690323		Screw (Starter Motor)	830 842	691095 691870	-	Stud (Rocker Arm) Dipstick/Tube Seal
311	497608		Brush Set	847	496415	•	Dipstick/Tube Assembly
333 334	495859		Armature-Magneto	851	692424		Terminal-Spark Plug
337	691061 491055		Screw (Armature Magneto) Spark Plug	868		•+	Seal-Valve
344	693675		Scrow (Cable Clamp)	871	02000	• •	Bushing-Guide
358	690189		Engine Gasket Set	875	694942		Base-Air Cleaner
363	19203		Flywheel Puller	877	393456		Wire-Connector/Alternator
369	695422		Spring-Float Bowl	877 883	692236		Gasket-Exhaust
383	89838		Wrench-Spark Plug	914	690960		Screw (Rocker Cover)
404	691691		Wrench-Spark Plug Washer (Governor Crank) Filter-Air Cleaner Cartridge	934	691058		Screw (Fan Retainer)
445	496894		Filter-Air Cleaner Cartridge	947	497672		Solenoid-Fuel
455	691173		Cup-Flywheel		695423		Solenoid-Fuel
462	691261		Washer (Brush Retainer)	967			Filter-Pre Cleaner
467	691668		Knob-Air Cleaner	968	691916		Cover-Air Cleaner
474	691063		Alternator	971	692129		Screw (Air Cleaner Base)
503	691532		Strap-Starter	975	495933		Bowl-Float
505	691251		Nut (Governor Control Lever)	975A	695417		Bowl-Float
510	693699		Drive-Starter	977	690192		Set-Carburetor Gasket
513	692024		Clutch-Drive		695428		Set-Carburetor Gasket
523	692014		Dipstick	987	691326	٠	Seal-Throttle Shaft
524	281370	٠	Seal-Dipstick Tube	987A	690998		Seal-Throttle Shaft
525	691398		Dipstick Seal-Dipstick Tube Tube-Dipstick	996 1005	690678		Carburetor Shield
544	692034		Armature-Starter	1005	695056		Fan-Flywheel
552	491986		Bushing-Governor Lever Bolt (Governor Control Lever)	1006	690452		Retainer-Fan
562	691119		Bolt (Governor Control Lever)	1019	690180		Kit-Label
579	691029		Nut (Starter Cable)			•+	Gasket-Rocker Cover
601	95162		Clamp-Hose		691192		Cover-Rocker
614	691620		Pin-Cotter	1020	692003		Rod-Push (Intake)
616 617	692012		Crank-Governor	1020	692011 691751		Rod-Push (Exhaust) Arm-Rocker
	692138	•	O-Ring Seal (Intake Manifold)	1025	690822		Guide-Push Rod
633 634	695414 690801	a	Seal-Choke/Throttle Shaft	1034	695700		Label-Emissions
0.04	090001		Seal-Spring Assembly (Manual Choke)		691265		Retainer-Brush
6344	690802	ø	Seal-Spring Assembly (Choke-A-Matic)	1058	274789		Owner's Manual
0047	030002	0	(Choke-A-Matic)	1000	691293		Retainer-Brush
635	691909		Boot-Spark Plug	1091	691293 691333		Cap-Limiter
668	691323		Spacer	1095	690190		Valve Gasket Set
691	692407		Seal-Governor Shaft	1119	690190 691183		Screw (Alternator)
692	690572		Spring-Detent				Screw (Float Bowl)
697	690372		Screw (Drive Cap)		A695407		Screw (Float Bowl)
711	690703		Screw (Carburetor Shield)		Settings:		Low Speed: 1900-2100
718	690959		Pin-Locating		3		High Speed: 3000-3200
727	490324		Cover-Starter Drive				5
729	691335		Clip-Wire	•	Included	in	Engine Gasket Set, Key. No.
729A	691224		Clip-Wire		358		.
732	691002		Screw (Starter Drive Cover)	Ø	Included	in	Carburetor Overhaul Kit, Key.
733	691658		Screw (Crankshaft Extension)		No. 121a		
741	691284		Gear-Timing	‡			Carburetor Gasket Set, Key.
757	691714		Link-Counterweight		No. 977		
758	692423		Counterweight	+		in	Valve Gasket Set, Key. No.
759	691239		Pin-Counterweight		1095		
761	691096		Screw (Counterweight)				nent dimensions given in U.S.
783	693713		Gear-Pinion	пспе	s 1 inch =	: 25	.4 11111

SERVICE NOTES

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SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



- 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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