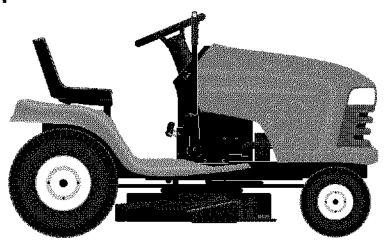
Owner's Manual

CRAFTZMAN°

LAWN TRACTOR

25.0 HP, 48" Mower Electric Start Automatic Transmission

Model No. 917.273241





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

IMPORTANT:

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

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

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

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WARRANTY

LIMITED WARRANTY ON CRAFTSMAN RIDING EQUIPMENT

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

This Warranty does not cover:

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

LIMITED WARRANTY ON BATTERY

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

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

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

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

SAFETY RULES

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

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

⚠ WARNING: Do not coast down a hill in neutral, you may lose control of the tractor. ⚠ WARNING: Tow only the attachments that are recommended by and comply with specifications of the manufacturer of your tractor. Use common sense when towing. Operate only at the lowest possible speed when on a slope. Too heavy of a load, while on a slope, is dangerous. Tires can lose traction with the ground and cause you to lose control of your tractor.

AWARNING: 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.

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

I. GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- · Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.

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

II. SLOPE OPERATION

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

SAFETY RULES

DO:

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

DO NOT:

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

III. CHILDREN

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

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

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

IV. SERVICE

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

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	4 Gallons	
Capacity	Unleaded	
and Type:	Regular	
Oil Type	SAE 10W3	0
(API-SF-SJ):	(above 32°1	F)
	SAE 5W-30)
	(below 32°F	-)
Oil Capacity:	W/Filter:	4.0 Pints
	W/O Filter:	3.5 Pints
Spark Plug:	Champion I	RC12YC
(Ġap: .03ŏ")	*	
Ground Speed	Forward:	0 - 5.5
(MPH):	Reverse:	0 - 2.4
Tire Pressure:	Front:	14 PSI
	Rear:	10 PSI
Charging		
System:	15 Amps @	3600 RPM
Battery:	Amp/Hr:	35
•	Min. CCA:	
	Case size:	U1R
Blade Bolt Torqu	e: 45-55 Ft. I	Lbs.

congratulations on your purchase of a new tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact a Sears or other qualified service center. We have competent, well-trained technicians and the proper tools to service or repair this tractor.

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

CUSTOMER RESPONSIBILITIES

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

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

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

REPAIR PROTECTION AGREEMENTS

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

Here's what's included in the Agreement:

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

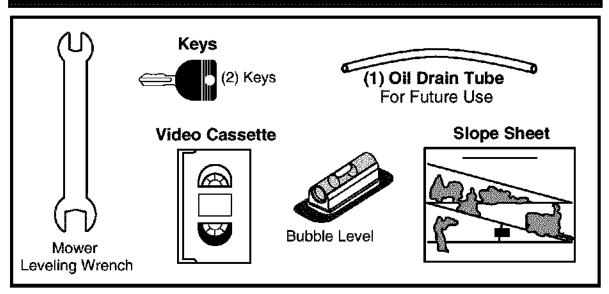
Once you purchase the Agreement, a simple phone call is all that it takes for you to schedule service. You can call anytime day or night, or schedule a service appointment online.

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

SEARS INSTALLATION SERVICE

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

PARTS BAG CONTENTS



ASSEMBLY/PRE-OPERATION

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

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

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

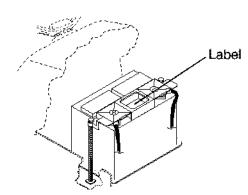
- Cut along dotted lines on all four panels of carton. Remove end panels and lay side panels flat.
- 2. Remove packing materials.
- Remove protective materials from tractor hood and grille.

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

CHECK BATTERY

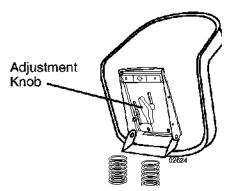
Lift hood to raised position.
 NOTE: If this battery is put into service

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



ADJUST SEAT

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



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

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

- Press lift lever plunger and raise attachment lift lever to its highest position.
- Release parking brake by depressing brake pedal.
- Place freewheel control in "transmission disengaged" position (See "TO TRANSPORT" in the Operation section of this manual).
- Roll tractor forward off skid.

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.

- Be sure all the above assembly steps have been completed.
- Check engine oil level and fill fuel tank with gasoline.
- Place freewheel control in "transmission engaged" position. (See "TO TRANSPORT" in the Operation section of this manual).
- Sit on seat in operating position, depress brake pedal and set the parking brake.
- Press lift lever plunger and raise attachment lift lever to its highest position.

- Start the engine. After engine has started, move throttle control to idle position.
- Release parking brake.
- 8. Slowly depress forward drive pedal and drive tractor off skid.
- Apply brake to stop tractor and set parking brake.
- 10. Turn ignition key to "STOP" position. Continue with the instructions that follow.

CHECK TIRE PRESSURE

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

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

CHECK DECK LEVELNESS

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

CHECK FOR PROPER POSITION OF ALL BELTS

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

CHECK BRAKE SYSTEM

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

√CHECKLIST

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

Please review the following checklist:

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

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

- ✓ Engine oil is at proper level.
- ✓ Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- Become familiar with all controls, their location and function. Operate them before you start the engine.
- ✓ Be sure brake system is in safe operating condition.
- ✓ It is important to purge the transmission before operating your tractor for the first time. Follow proper starting and transmission purging instructions (See "TO START ENGINE" and "PURGE TRANS-MISSION" in the Operation section of this manual).

OPERATION

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



REVERSE



HIGH





















ENGINE OFF



ENGINE ON

ENGINE START

PARKING BRAKE

PARKING BRAKE PARKING BRAKE LOCKED

















LIGHT



OIL PRESSURE

REVERSE

FORWARD

MOWER HEIGHT











DANGER, KEEP HANDS











ATTACHMENT CLUTCH ENGAGED CLUTCH DISENGAGED

AND FEET AWAY



SLOPE HAZARDS (SEE SAFETY RULES SECTION)



FREE WHEEL (Automatic Models only)



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



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



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



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

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



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

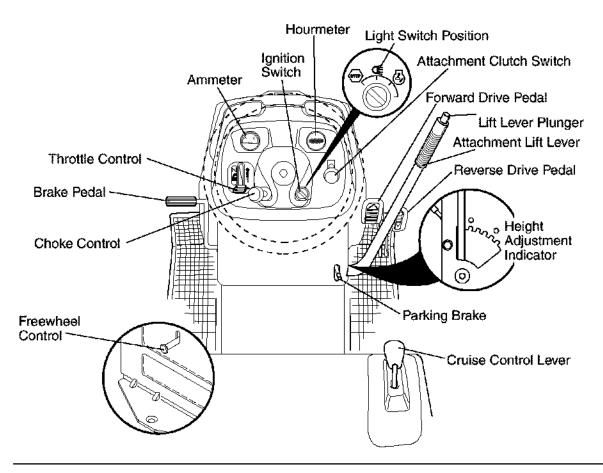


FIRE indicates a hazard which, if not avoided, could result in death, serious injury and/or property damage.

KNOW YOUR TRACTOR

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

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



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

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

LIGHT SWITCH POSITION - Turns the headlights on and off.

THROTTLE CONTROL - Used to control engine speed.

CHOKE CONTROL - Used when starting a cold engine.

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

FREEWHEEL CONTROL - Disengages transmission for pushing or slowly towing the tractor with the engine off.

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

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

IGNITION SWITCH - Used for starting and stopping the engine.

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

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

FORWARD DRIVE PEDAL - Used for forward movement of tractor.

REVERSE DRIVE PEDAL - Used for reverse movement of tractor.

CRUISE CONTROL LEVER - Used to set forward movement of tractor at desired speed without holding the forward drive pedal.

HOURMETER - Indicates hours of operation.

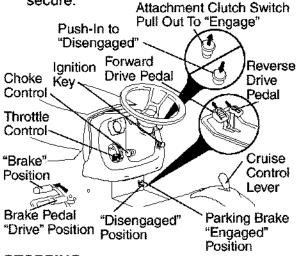


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn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

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE

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

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



STOPPING

MOWER BLADES -

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

GROUND DRIVE -

 To stop ground drive, depress brake pedal all the way down.

IMPORTANT: Forward and reverse drive pedals return to neutral position when not depressed.

ENGINE -

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

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

- Turn ignition key to "STOP" position and remove key. Always remove key when leaving tractor to prevent unauthorized use.
- Never use choke to stop engine.
 IMPORTANT: Leaving the ignition switch in any position other than "STOP" will cause the battery to discharge and go dead.

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

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

THROTTLE CONTROL

Always operate engine at full throttle.

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

TO USE CHOKE CONTROL

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

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

TO MOVE FORWARD AND BACKWARD

The direction and speed of movement is controlled by the forward and reverse drive pedals.

- Start tractor and release parking brake.
- Slowly depress forward or reverse drive pedal to begin movement.
 Ground speed increases the further down the pedal is depressed.

TO USE CRUISE CONTROL

The cruise control feature can be used for forward travel only.

SYSTEM CHARACTERISTICS

The cruise control should only be used while mowing or transporting on relatively smooth, straight surfaces. Other conditions such as trimming at slow speeds may cause the cruise control to disengage. Do not use the cruise control on slopes, rough terrian or while trimming or turning.

 With forward drive pedal depressed to desired speed, move cruise control lever forward to "SET" position and hold while lifting your foot off the pedal, then release the cruise control lever.

To disengage the cruise control, pull the lever backward to "OFF" position, or fully depress the brake pedal.

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.

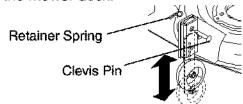
- The average lawn should be cut to approximately 2-1/2 inches during the cool season and to over 3 inches during hot months. For healthier and better looking lawns, mow often and after moderate growth.
- growth.
 For best cutting performance, grass over 6 inches in height should be mowed twice. Make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

TO ADJUST GAUGE WHEELS

Gauge wheels are properly adjusted when they are slightly off the ground when mower is at the desired cutting height in operating position. Gauge wheels then keep the deck in proper position to help prevent scalping in most terrain conditions. **NOTE:** Be sure tractor is on a flat level surface.

- Lower mower and adjust mower to desired cutting height.
- Remove retainer spring and clevis pin which secure each gauge wheel bar.
- Lower gauge wheels to ground. Raise gauge wheels slightly to align holes in bracket and gauge wheel bar and insert clevis pin. Gauge wheels should be slightly off the ground.
- 4. Replace retainer spring into clevis pin.
- Be sure all gauge wheels are in the same setting.

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



TO OPERATE MOWER

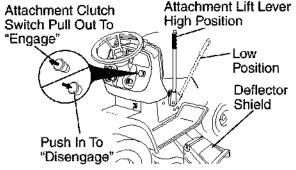
Your tractor is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut off the engine.

Select desired height of cut.

Start mower blades by engaging attachment clutch control.

TO STOP MOWER BLADES - disengage attachment clutch control.

A CAUTION: 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

AWARNING: 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.

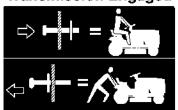
- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills
- If stopping is absolutely necessary, push brake pedal quickly to brake position and engage parking brake.
- To restart movement, slowly release parking brake and brake pedal.
- Slowly depress appropriate drive pedal to slowest setting.
- Make all turns slowly.

TO TRANSPORT

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

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

Transmission Engaged



Transmission Disengaged

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

TOWING CARTS AND OTHER ATTACH-MENTS

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

BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL

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

- Check engine oil with tractor on level ground.
- Unthread and remove oil fill cap/ dipstick; wipe oil off. Reinsert the dipstick into the tube and rest oil fill cap on the tube. Do not thread the cap onto the tube. Remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (See the oil viscosity chart in the Maintenance section of this manual).
- To change engine oil, see the Maintenance section in this manual.

ADD GASOLINE

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

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

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

CAUTION: Alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information.

Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

TO START ENGINE

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

- Be sure freewheel control is in the transmission engaged position.
- Sit on seat in operating position, depress brake pedal and set parking brake.
- Move attachment clutch to disengaged position.
- 4. Move throttle control to fast position
- Pull choke control out for a cold engine start attempt. For a warm engine start attempt the choke control may not be needed.

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

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

WARM WEATHER STARTING (50° F and above)

- 7. When engine starts, slowly push choke control in until the engine begins to run smoothly. If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly.
- The attachments and ground drive can now be used. If the engine does not accept the load, restart the engine and allow it to warm up for one minute using the choke as described above.

COLD WEATHER STARTING (50° F and below)

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

 If the engine starts to run roughly, pull the choke control out slightly for a few seconds and then continue to push the control in slowly. This may require an engine warm-up period from several seconds to several minutes, depending on the temperature.

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

follows:

Be sure the tractor is on level ground.

- Release the parking brake and let the brake slowly return to operating position.
- Allow one minute for transmission to warm up. This can be done during the engine warm up period.
- The attachments can be used during the engine warm-up period after the transmission has been warmed up and may require the choke control be pulled out slightly.

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

PURGE TRANSMISSION

▲ CAUTION: Never engage or disengage freewheel lever while the engine is running. To ensure proper operation and performance, it is recommended that the transmission be purged before operating tractor for the first time. This procedure will remove any trapped air inside the transmission which may have developed during shipping of your tractor.

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

 Place tractor safely on level surface with engine off and parking brake set.

 Disengage transmission by placing freewheel control in disengaged position (See "TO TRANSPORT" in this section of manual).

3. Sitting in the tractor seat, start engine. After the engine is running, move throttle control to slow position. Disen-

gage parking brake.

 Depress forward drive pedal to full forward position and hold for five (5) seconds and release pedal. Depress reverse drive pedal to full reverse position and hold for five (5) seconds and release pedal. Repeat this procedure three (3) times.

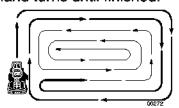
NOTE: During this step there will be no movement of drive wheels. The air is being removed from hydraulic drive system.

- 5. Shut off engine and set parking brake.
- Engage transmission by placing freewheel control in "transmission engaged" position (See "TO TRANS-PORT" in this section of manual).
- Sitting in the tractor seat, start engine. After the engine is running, move throttle control to half (1/2) speed. Disengage parking brake.
- Drive tractor forward for approximately five feet then backwards for five feet. Repeat this driving procedure three times.

Your transmission is now purged and ready for normal operation.

MOWING TIPS

- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has already been cut. Have the cut area to the right of the tractor. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished.



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

14

MAINTENANCE

AS	MAINTENANCE SCHEDUL LI IN DATES YOU COMPLETE GULAR SERVICE	E	EFORE.	EACHUS EACHUS	HOURS WERN?	S HOUR'S	HOUP WERN	S HOLL OD HOLL SVERY	ASON EASONE EFORE	SERVICE	CE DATE	s
	Check Brake Operation	V	V									
	Check Tire Pressure	~	/									
Т	Check Operator Presence and Interlock Systems	~										
Ŗ	Check for Loose Fasteners	~				1 /5		~				
Â	Sharpen/Replace Mower Blades			1 3								
۱¥	Lubrication Chart			~				~				
Ó	Check Battery Level			1/4								
R	Clean Battery and Terminals			1				~				
	Check Transaxle Cooling			/								
	Check V-Bells					V						
	Check Engine Oit Level	~	V									
	Change Engine Oil (with oil filter)				✓ 1,2			1				
E	Change Engine Oil (without oil filter)			✓ 1,2				~				
N	Clean Air Filter			1 ✓ 2								
Ģ	Clean Air Screen			√ 2								
N	Inspect Muffler/Spark Arrester				1							
Ë	Replace Oif Filter (If equipped)					1,2						
I -	Clean Engine Cooling Fins					1/2						
	Replace Spark Plug					~	1					Q
	Replace Air Filter Paper Cartridge					√ 2						menteday tage
	Replace Fuel Filter						1					- WBC

- Change more often when operating under a beavy load or is high ambient temperatures.
- 2 Service more often when operating in dirty or dusty conditions.
- 3 Replace blades more often when mowing in sandy soil.
- 4 Not required if equipped with maintenance-free battery.
 5 Tighten front axie plynt bolt to 35 ft.-lbs. maximum.
- 5 Tighten front axle pivot bolt to 35 ft.-lbs. maximum. Do not overlighten.

GENERAL RECOMMENDATIONS

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

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

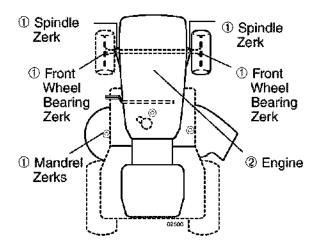
At least once a season, check to see if you should make any of the adjustments described in the Service and Adjustments section of this manual.

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

BEFORE EACH USE

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

LUBRICATION CHART



- ① General Purpose Grease
- ② Refer to Maintenance "ENGINE" Section

IMPORTANT: Do not oil or grease the pivot points which have special nylon bear-ings. 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 that operator presence and interlock systems are working properly. If your tractor does not function as described below, repair the problem immediately.

- The engine should not start unless the brake pedal is fully depressed and attachment 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.

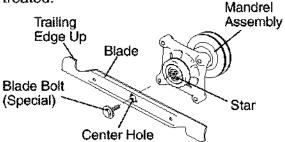
NOTE: Protect your hands with gloves and/or wrap blade with heavy cloth.

- Remove blade bolt by turning counterclockwise.
- Install new or resharpened blade with stamped "THIS SIDE UP" facing deck and mandrel assembly.

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

4. Install and tighten blade bolt securely (45-55 Ft. Lbs. torque).

IMPORTANT: Special blade bolt is heat treated.



TO SHARPEN BLADE

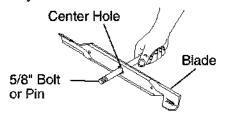
NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

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

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

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

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



BATTERY

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

- Keep battery and terminals clean.
- · Keep battery bolts tight.
- Keep small vent holes open.
- Recharge at 6-10 amperes for 1 hour.

NOTE: The original equipment battery on your tractor is maintenance free. Do not attempt to open or remove caps or covers. Adding or checking level of electrolyte is not necessary.

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

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

TRANSAXLE COOLING

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

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

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

TRANSAXLE PUMP FLUID

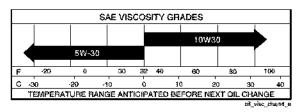
The transaxle was sealed at the factory and fluid maintenance is not required for the life of the transaxle. Should the transaxle ever leak or require servicing, contact a sears or other qualified service center.

V-BELTS

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

ENGINE LUBRICATION

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

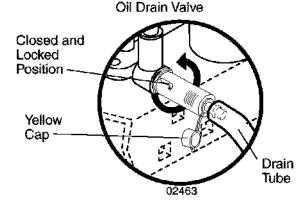


Change the oil after every 50 hours of operation or at least once a year if the tractor is not used for 50 hours in one year. Check the crankcase oil level before starting the engine and after each eight (8) hours of operation.

TO CHANGE ENGINE OIL

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

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



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

ENGINE OIL FILTER

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

AIR FILTER

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

Loosen knob and remove cover.

TO SERVICE PRE-CLEANER

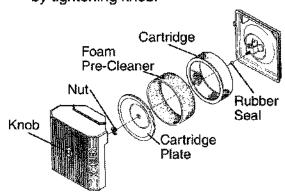
- 2. Slide foam pre-cleaner off cartridge.
- Wash it in liquid detergent and water.
- Squeeze it dry in a clean cloth. Allow it to dry.
- 5. Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.

TO SERVICE CARTRIDGE

Replace a dirty, bent, or damaged car-

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

- Remove nut and cartridge plate.
- 2. Reinstall the pre-cleaner (cleaned and oiled) over the paper cartridge.
- Check rubber seal for damage and proper position around stud. Replace if necessary.
- Reassemble air cleaner, cartridge plate, and nut.
- 5. Reinstall air cleaner cover and secure by tightening knob.



CLEAN AIR SCREEN

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

CLEAN AIR INTAKE/COOLING AREAS

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

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

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

MUFFLER

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

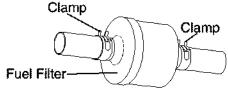
SPARK PLUG(S)

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

IN-LINE FUEL FILTER

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

- With engine cool, remove filter and plug fuel line sections.
- 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 or pressure washer to clean your tractor unless the engine and transmission are covered to keep water out. Water in engine or transmission will shorten the useful life of your tractor. Use compressed air or a leaf blower to remove grass,

leaves and trash from tractor and mower.

SERVICE AND ADJUSTMENTS



WARNING: TO AVOID SERIOUS INJURY, BEFORE PERFORMING ANY SER-VICE OR ADJUSTMENTS:

- Depress brake pedal fully and set parking brake.
- Place attachment clutch in "DISENGAGED" position.
- Turn ignition key "STOP" and remove key.
- 4. Make sure the blades and all moving parts have completely stopped.
- 5. Disconnect spark plug wire from spark plug and place wire where it can not come in contact with plug.

TO REMOVE MOWER

- Place attachment clutch in "DISEN-GAGED" position.
- 2. If equipped, turn height adjustment knob to lowest setting.
- 3. Lower mower to its lowest position.
- Disengage belt tension rod from lock bracket.

ACAUTION: Rod is spring loaded. Have a tight grip on rod and release slowly.

- Remove retainer spring holding anti-swaybar to chassis bracket and disengage anti-sway bar from bracket.
- 6. Remove four retainer springs from front plate assembly and remove plate.
- Remove retainer springs from suspension arms at deck and disengage arms from deck.
- Raise attachment lift to its highest position.
- Slide mower forward and remove belt from electric clutch pulley.
- Slide mower out from under right side of tractor.

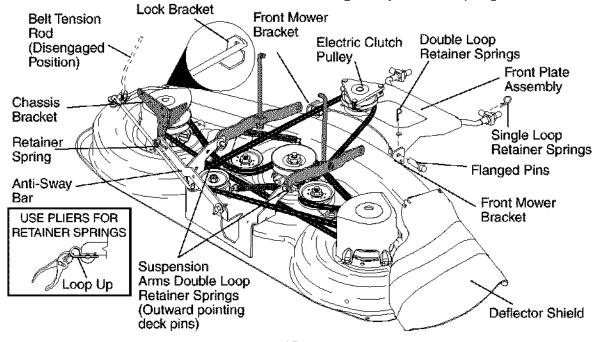
TO INSTALL MOWER

Be sure tractor is on level surface and mower suspension arms are raised with attachment lift control. Engage parking brake.

- Swing anti-sway bar to left side of mower deck.
- 2. Slide mower under tractor with deflector shield to right side of tractor.

IMPORTANT: Check belt for proper routing in all mower pulley grooves.

- If equipped, turn height adjustment knob counterclockwise until it stops.
- Lower mower linkage with attachment lift control.
- Be sure belt tension rod is in disengaged position.
- Install belt into electric clutch pulley groove.
- Place the suspension arms on outward pointing deck pins. Retain with double loop retainer spring with loops up as shown.
- Install front plate assembly to tractor suspension brackets and retain with single loop retainer springs as shown.



 Position front plate assembly between front mower brackets. Raise deck and plate assembly to align holes and insert flanged pins. Secure pins with double loop retainer springs between the plate assembly and mower brackets.

NOTE: To assist in locating hole in flanged pin, the hole in pin is inline with notch on head of pin. If necessary, move mower side-to-side to give space between plate and mower brackets.

IMPORTANT: Check belt for proper routing in all mower pulley grooves.

Engage belt tension rod by pushing rod into locking bracket.

ACAUTION: Belt tension rod is spring loaded. Have a tight grip on rod and engage slowly.

- 11. Connect anti-sway bar to chassis bracket under left footrest and retain with double loop retainer spring.
- If equipped, turn height adjustment knob clockwise to remove slack from mower suspension.
- 13. Raise deck to highest position.

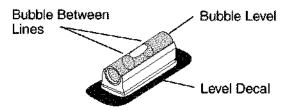
TO LEVEL MOWER HOUSING

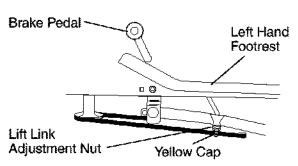
Adjust the mower while tractor is parked on level ground such as a carport or garage. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" section of this manual). If tires are over or underinflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT WITH BUBBLE LEVEL

NOTE: If necessary, check side-to-side surface below tractor for levelness with a long board and the bubble level.

- Using the lift lever, place mower in position where no part of the mower, including gauge wheels, is touching the ground.
- From left side of tractor, find the level decal on top of mower and place bubble level on decal as indicated.
- Mower is level side-to-side when bubble is between the two lines in the bubble level.
- If adjustment is necessary, under left hand footrest, turn lift link adjustment nut (above yellow cap) in appropriate direction to bring bubble between the lines in the bubble level.
- Remove bubble level from mower and store in a safe place.



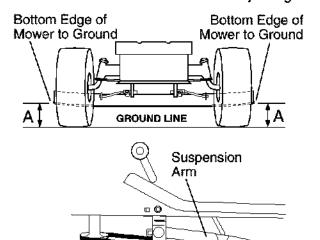


ALTERNATE SIDE-TO-SIDE ADJUSTMENT METHOD

- Raise mower to its highest position.
- Measure height from bottom edge of mower to ground level at front corners of mower. Distance "A" on both sides of mower should be the same.
- 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 3/16".

Recheck measurements after adjusting.



FRONT-TO-BACK ADJUSTMENT

IMPORTANT: Deck must be level sideto-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.

Lift Link

Adjustment Nut-

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

ACAUTION: Blades are sharp. Protect your hands with gloves and/or wrap blade

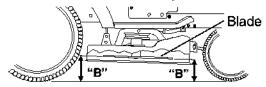
with heavy cloth.

Check adjustment on right side of tractor. Position any blade so the tip is pointing straight forward. Measure distance "B" at front and rear tip of blade

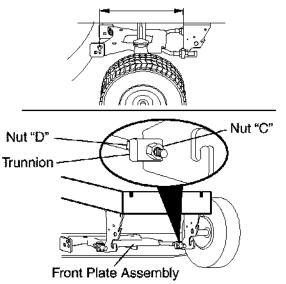
- Before making any necessary adjustments, check that both front plate links are equal in length.
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of blade, loosen nut "C" on both front links an equal number of turns.

NOTE: Each full turn of nut "C" will change dim. "B" by approximately 3/16".

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



BOTH FRONT PLATE LINKS MUST BE EQUAL IN LENGTH



TO REPLACE MOWER DRIVE BELT

MOWER DRIVE BELT REMOVAL

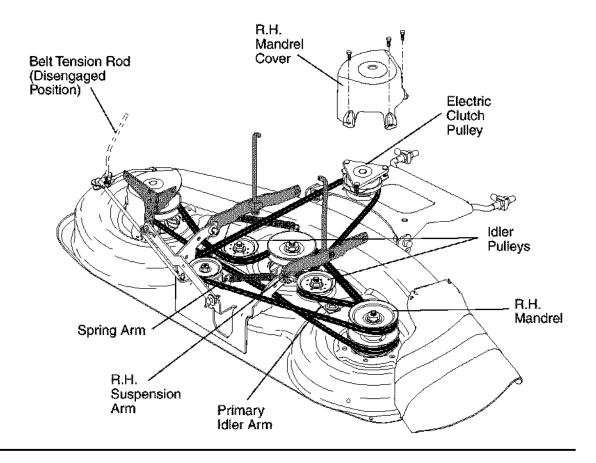
- Park tractor on a level surface. Engage parking brake.
- Lower mower to its lowest position.
- Disengage belt tension rod from lock bracket.

A CAUTION: Rod is spring loaded. Have a firm grip on rod and release slowly.

- Remove screws from R.H. mandrel cover and remove cover.
- Remove any dirt or grass clippings which may have accumulated around mandrels and entire upper deck surface.
- Disconnect R.H. suspension arm from rear deck bracket by removing retainer spring.
- Carefully roll belt over the top of R.H. mandrel pulley.
- Remove belt from electric clutch pulley.
- 9. Remove belt from idler pulleys.
- 10. Check primary idler arm and two idlers to see that they rotate freely.
- 11. Be sure spring is securely hooked to primary idler arm and spring arm.

MOWER DRIVE BELT INSTALLATION

- 12. Install belt in both idlers.
- Install new belt onto electric clutch pulley.
- Carefully roll belt into upper groove of R.H. mandrel pulley.
- Carefully check belt routing making sure belt is in the grooves correctly.
- Reconnect R.H. suspension arm to rear deck bracket with retainer spring.
- 17. Reassemble R.H. mandrel cover.
- 18. Engage belt tension rod by pushing rod into locking bracket.



TO REPLACE MOWER BLADE (SECONDARY) DRIVE BELT

Park the tractor on level surface. Engage parking brake.

- Remove mower (See "TO REMOVE MOWER" in this section of manual).
- Remove screws from R.H. and L.H. mandrel covers and remove covers.

REMOVE MOWER DRIVE BELT (Refer to "TO REMOVE MOWER DRIVE BELT" illustration in this section of manual).

- Carefully roll belt over the top of R.H. mandrel pulley.
- 4. Remove belt from idler pulleys.
- 5. Check primary idler arm and two idlers to see that they rotate freely.
- 6. Be sure spring is securely hooked to primary idler arm and spring arm.

REMOVE MOWER BLADE (SECONDARY) DRIVE BELT

- Carefully roll belt off L.H. mandrel pullev.
- Remove belt from center mandrel pulley, idler pulley, and R.H. mandrel pulley.
- Remove any dirt or grass which may have accumulated around mandrels and entire upper deck surface.

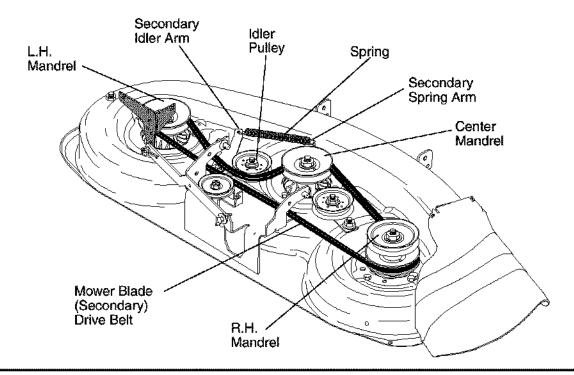
- Check secondary idler arm and idler pulley to see that they rotate freely.
- 11. Be sure spring is hooked in secondary idler arm and secondary spring arm.

INSTALL NEW MOWER BLADE (SECONDARY) DRIVE BELT

- Install new belt in lower groove of R.H. mandrel pulley, idler pulley, and center mandrel pulley as shown.
- 13. Carefully roll belt over L.H. mandrel pulley. Make sure belt is in all grooves properly.

REINSTALL MOWER DRIVE BELT (Refer to "TO REMOVE MOWER DRIVE BELT" illustration in this section of manual).

- 14. Instáll belt into upper groove of R.H. mandrel pulley and around both idlers. Pull belt to front of mower to remove slack.
- 15. Reinstall mandrel covers and securely tighten all screws.
- Carefully check belt routing making sure belt is in all grooves correctly.
- 17. Reinstall mower to tractor (See "TO INSTALL MOWER" in this section of manual).



TO CHECK AND ADJUST BRAKE

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

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

TO CHECK BRAKE

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

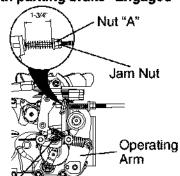
The rear wheels must lock and skid when you try to manually push the tractor forward. If the rear wheels rotate, the brake needs to be adjusted or the pads need to be replaced.

TO ADJUST BRAKE

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

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

With parking brake "Engaged"



Do not touch this nut. If further brake adjustment is necessary contact a Sears or other qualified service center.

TO REPLACE MOTION DRIVE BELT

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

BELT REMOVAL -

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

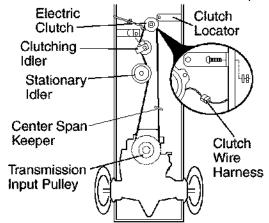
NOTE: Observe entire motion drive belt and position of all belt guides and keepers.

- Disconnect clutch wire harness.
- 3. Remove clutch locator.
- Remove belt from stationary idler and clutching idler.

- 5. Remove belt downward from engine pulley and around electric clutch.
- Pull belt slack toward rear of tractor. Carefully remove belt upwards from transmission input pulley and over cooling fan blades.
- Remove belt from center span keeper and pull belt away from tractor.

BELT INSTALLATION -

- Carefully work new belt down around transmission cooling fan and onto the input pulley.
- Slide belt into the center span keeper.
- Pull belt toward front of tractor and roll belt around electric clutch and onto engine pulley.
- 4. Install belt through stationary idler and clutching idler.
- 5. Reinstall clutch locator and tighten nut securely.
- 6. Reconnect clutch harness.
- Make sure belt is in all pulley grooves and inside all belt guides and keepers.
- Install mower (See "TO INSTALL MOWER" in this section of manual).



TRANSMISSION REMOVAL/ REPLACEMENT

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

TO ADJUST STEERING WHEEL ALIGN-MENT

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

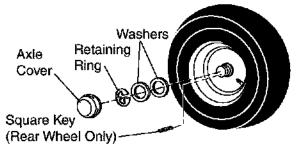
FRONT WHEEL TOE-IN/CAMBER

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

TO REMOVE WHEEL FOR REPAIRS

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

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



TO START ENGINE WITH A WEAK BAT-TERY

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

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

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

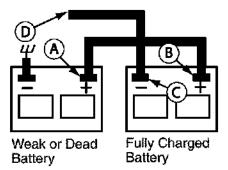
IMPORTANT: Your tractor is equipped with a 12 volt system. The other vehicle must also be a 12 volt system. Do not use your tractor battery to start other vehicles.

TO ATTACH JUMPER CABLES -

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

TO REMOVE CABLES, REVERSE ORDER -

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

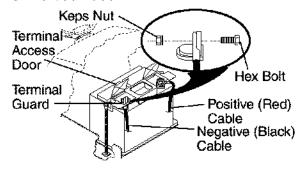


REPLACING BATTERY

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

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

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



TO REPLACE HEADLIGHT BULB

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

INTERLOCKS AND RELAYS

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

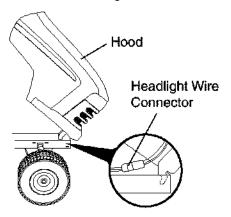
 Check wiring. See electrical wiring diagram in the Repair Parts section.

TO REPLACE FUSE

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

TO REMOVE HOOD AND GRILL AS-SEMBLY

- 1. Raise hood.
- Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt toward engine and lift off of tractor.
- 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

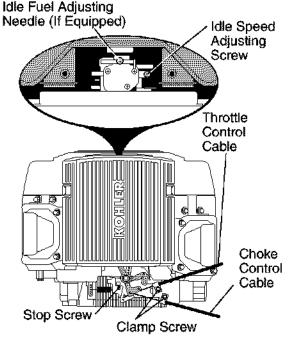
The throttle control has been preset at the factory and adjustment should not be necessary. Check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows:

- 1. With engine not running, move throttle control lever to fast position.
- Check that speed control lever is against stop screw. If it is not, loosen casing clamp screw and pull throttle cable until lever is against screw. Tighten clamp screw securely.

TO ADJUST CHOKE CONTROL

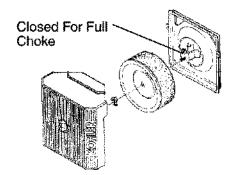
The choke control has been preset at the factory and adjustment should not be necessary, check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows:

1. With engine not running, move choke



control (located on dash panel) to full choke position.

- Remove air cleaner cover, filter and cartridge plate to expose carburetor choke (See "AIR FILTER" in the Maintenance section of this manual).
- Choke should be closed. If it is not, loosen casing clamp screw and move choke cable until choke is completely closed. Tighten casing clamp screw securely.
- Reassemble air cleaner.



TO ADJUST CARBURETOR

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

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

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

PRELIMINARY SETTING -

- Be sure you have a clean air filter, and the throttle control cable is adjusted properly (see "TO ADJUST THROTTLE CONTROL CABLE" in the Service and Adjustments section of this manual).
- With engine off turn idle fuel adjusting needle in (clockwise) closing it finger tight and then turn out (counterclockwise) 1 turn.

FINAL SETTING -

 Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in neutral (N) position.

NOTE: The high idle is set at the factory and cannot be adjusted.

- Idle speed setting With throttle control lever in slow position, engine should idle at 1750 RPM. If engine idles too slow or fast, turn idle speed adjusting screw in or out until correct idle is attained.
- Idie fuel needle setting With throttle control lever in slow position, turn idle fuel adjusting needle in (clockwise) until engine speed decreases and then turn out (counterclockwise) approximately 3/4 turn to obtain the best low speed performance.
- Recheck idle speed. Readjust if necessary.

ACCELERATION TEST -

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

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

IMPORTANT: Never tamper with the engine governor, which is factory set for proper engine speed. Overspeeding the engine above the factory high speed setting can be dangerous. If you think the engine-governed high speed needs adjusting, contact a Sears or other qualified service center, which has proper equipment and experience to make any necessary adjustments.

STORAGE

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

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

TRACTOR

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

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

BATTERY

- Fully charge the battery for storage.
- After a period of time in storage, battery may require recharging.
- To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMINALS" in the Maintenance section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

ENGINE

FUEL SYSTEM

IMPORTANT: It is important to prevent gum deposits from forming in essential fuel system parts such as carburetor, fuel hose, or tank during storage. Also, alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage.

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

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

ENGINE OIL

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

CYLINDER(S)

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

OTHER

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

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

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

PROBLEM	CAUSE	CORRECTION
Will not start	 Out of fuel. Engine not "CHOKED" properly. Engine flooded. Bad spark plug. Dirty air filter. Dirty fuel filter. Water in fuel. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Fill fuel tank. See "TO START ENGINE" in Operation section. Wait several minutes before attempting to start. Replace spark plug. Clean/replace air filter. Replace fuel filter. Empty fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. Check all wiring. See "To Adjust Carburetor" in Service and Adjustments section. Contact a Sears or other qualified service center.
Hard to start	 Dirty air filter. Bad spark plug. Weak or dead battery. Dirty fuel filter. Stale or dirty fuel. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 Clean/replace air filter. Replace spark plug. Recharge or replace battery. Replace fuel filter. Empty fuel tank and refill tank with fresh, clean gasoline. Check all wiring. See "To Adjust Carburetor" in Service and Adjustments section. Contact a Sears or other qualified service center.
Engine will not turn over	 Brake pedal not depressed. Attachment clutch is engaged. Weak or dead battery. Blown fuse. Corroded battery terminals. Loose or damaged wiring. Faulty ignition switch. Faulty solenoid or starter. Faulty operator presence switch(es). 	 Depress brake pedal. Disengage attachment clutch. Recharge or replace battery. Replace fuse. Clean battery terminals. Check all wiring. Check/replace ignition switch. Check/replace solenoid or starter. Contact a Sears or other qualified service center.
Engine clicks but will not start	 Weak or dead battery. Corroded battery terminals. Loose or damaged wiring. Faulty solenoid or starter. 	 Recharge or replace battery. Clean battery terminals. Check all wiring. Check/replace solenoid or starter.
Loss of power	 Cutting too much grass/too fast. Throttle in "CHOKE" position. Build-up of grass, leaves and trash under mower. Dirty air filter. Low oil level/dirty oil. 	 Raise cutting height/reduce speed. Adjust throttle control. Clean underside of mower housing. Clean/replace air filter. Check oil level/change oil.

TROUBLESHOOTING CHART:

See appropriate section in manual unless directed to Sears service center

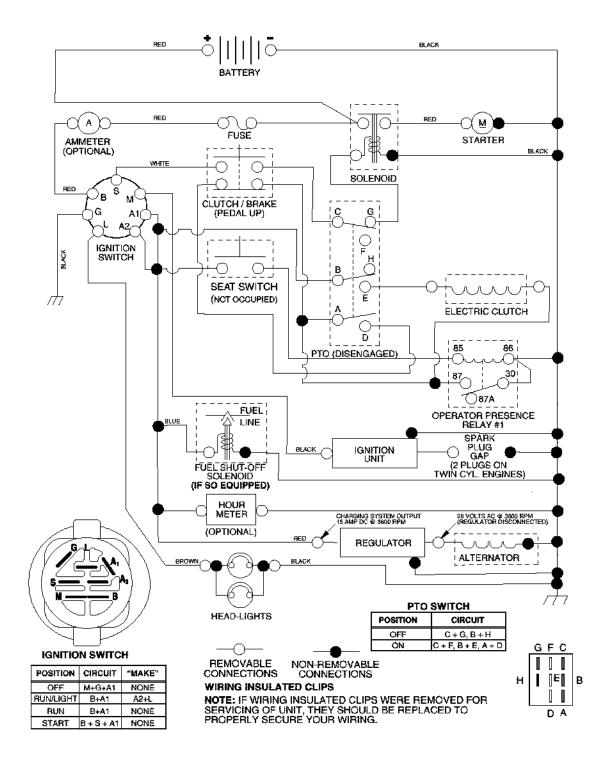
PROBLEM	CAUSE	CORRECTION
Loss of power (continued)	 Faulty spark plug. Dirty fuel filter. Stale or dirty fuel. Water in fuel. Spark plug wire loose. Dirty engine air screen/fins. Dirty/clogged muffler. Loose or damaged wiring. Carburetor out of adjustment. Engine valves out of adjustment. 	 6. Clean and regap or change spark plug. 7. Replace fuel filter. 8. Empty fuel tank and refill tank with fresh, clean gasoline. 9. Empty fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 10. Connect and tighten spark plug wire. 11. Clean engine air screen/fins. 12. Clean/replace muffler. 13. Check all wiring. 14. See "To Adjust Carburetor" in Service and Adjustments section. 15. Contact a Sears or other qualified service center.
Excessive vibration	 Worn, bent or loose blade. Bent blade mandrel. Loose/damaged part(s). 	 Replace blade. Tighten blade bolt. Contact a Sears or other qualified service center. Tighten loose part(s). Replace damaged parts.
Engine continues to run when operator leaves seat with attachment clutch engaged	Faulty operator-safety presence control system.	Check wiring, switches and connections. If not corrected, contact a Sears or other qualified service center.
Poor cut - uneven	 Worn, bent or loose blade. Mower deck not level. Buildup of grass, leaves, and trash under mower. Bent blade mandrel. Clogged mower deck vent from build-up of grass, leaves, and trash around mandrels. 	housing. 4. Contact a Sears or other qualified service center. 5. Clean around mandrels to
Mower blades will not rotate	 Obstruction in clutch mechanism. Worn/damaged mower drive belt. Frozen idler pulley. Frozen blade mandrel. 	 Remove obstruction. Replace mower drive belt. Replace idler pulley. Contact a Sears or other qualified service center.
Poor grass discharge	Engine speed too slow. Travel speed too fast.	Place throttle control in "FAST" position. Shift to slower speed.

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

PROBLEM	CAUSE	CORRECTION
Poor grass discharge (continued)	 Wet grass. Mower deck not level. Low/uneven tire air pressure. Worn, bent or loose blade. Buildup of grass, leaves and trash under mower. Mower drive belt worn. Blades improperly installed. Improper blades used. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	 Allow grass to dry before mowing. Level mower deck. Check tires for proper air pressure. Replace/sharpen blade. Tighten blade bolt. Clean underside of mower housing. Replace mower drive belt. Reinstall blades sharp edge down. Replace with blades listed in this manual. Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	 Switch is "OFF". Bulb(s) or lamp(s) burned out. Faulty light switch. Loose or damaged wiring. Blown fuse. 	 Turn switch "ON". Replace bulb(s) or lamp(s). Check/replace light switch. Check wiring and connections. Replace fuse.
Battery will not charge	 Bad battery cell(s). Poor cable connections. Faulty regulator (if so equipped). Faulty alternator. 	 Replace battery. Check/clean all connections. Replace regulator. Replace alternator.
Loss of drive	 Freewheel control in "disengaged" position. Motion drive belt worn, damaged, or broken. Air trapped in transmission during shipment or servicing. 	 Place freewheel control in "engaged" position. Replace motion drive belt. Purge transmission.
Engine "backfires" when turning engine "OFF"	Engine throttle control not set at "SLOW" position for 30 30 seconds before stopping engine.	Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

TRACTOR - - MODEL NUMBER 917.273241

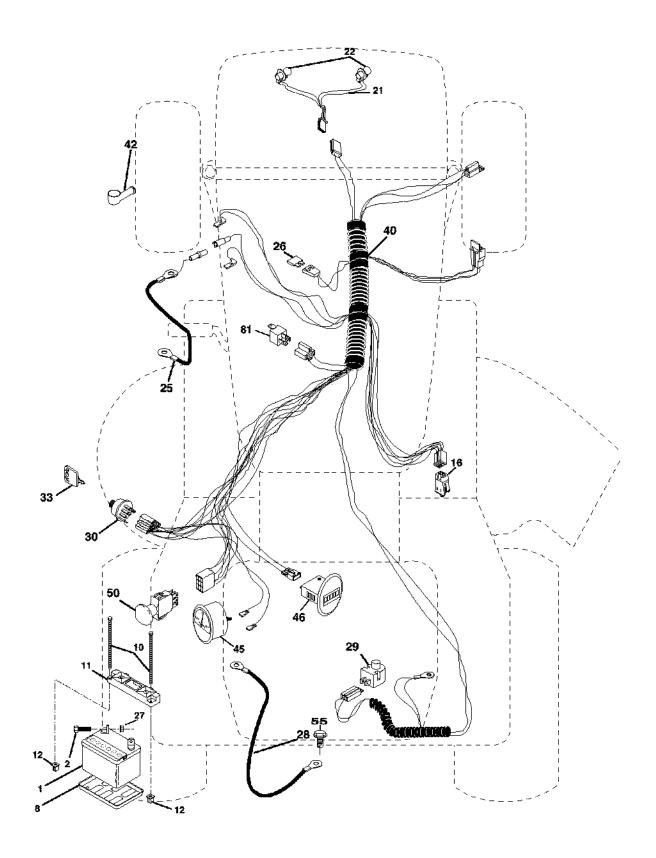
SCHEMATIC



REPAIR PARTS

TRACTOR - - MODEL NUMBER 917.273241

ELECTRICAL



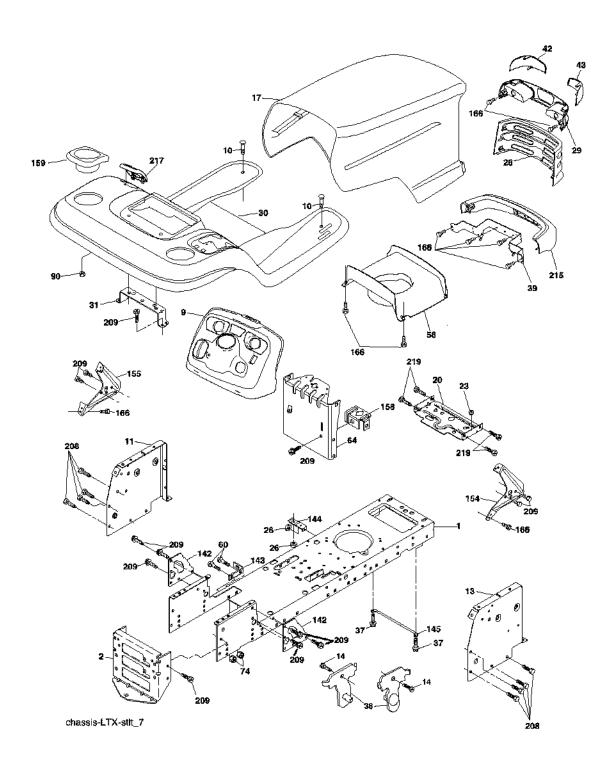
TRACTOR - - MODEL NUMBER 917.273241

ELECTRICAL

KEY	PART	
NQ.	NO.	DESCRIPTION
1	144927	Battery
2	74760412	Bolt, Hex 1/4-20 x 3/4
8	7603J	Tray, Battery
10	145211	Bolt, Battery, Front 1/4-20 x 7-1/2
11	150109	Holddown, Battery, Front
12	145769	Nut, Push, Nylon, Battery, Front 1/4
16	176138	Switch, Interlock
21	175688	Harness, Light w/4152J
22	4152J	Bulb
25	178909	Cable, Battery
26	175158	Fuse
27	73510400	Nut, Hex, Keps 1/4-20 unc
28	145491	Cable, Ground
29	160784	Switch, Seat
30	175442	Switch, Ignition
33	175447	Key
40	179737	Harness, Ignition
42	154336	Cover Terminal
45	177500	Ammeter
46	177501	Hourmeter
50	178461	Switch, PTO
55	17490508	Screw, Thd. Roll. 5/16-18 x 1/2
81	109748X	Relay Assembly

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

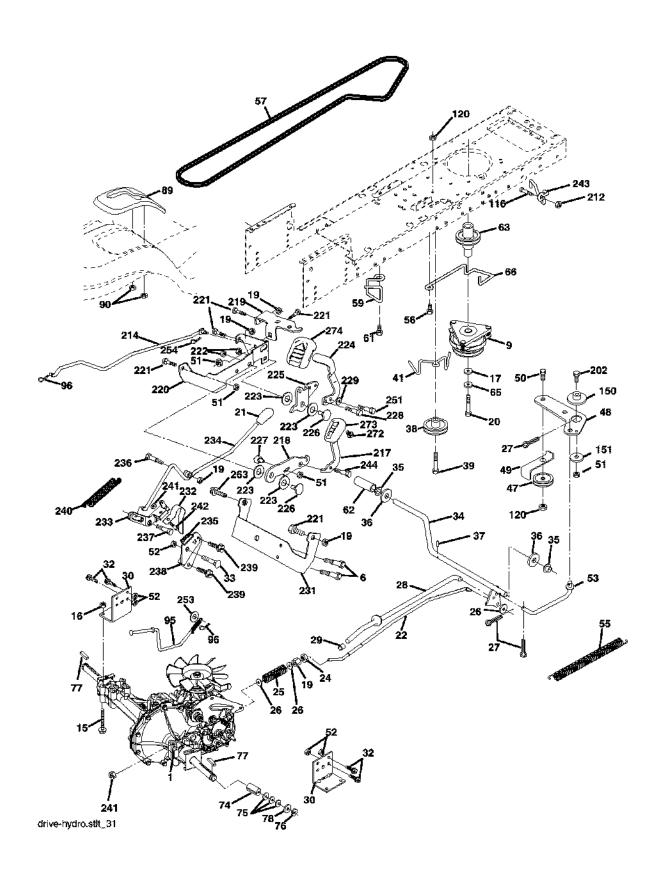
TRACTOR - - MODEL NUMBER 917.273241 CHASSIS AND ENCLOSURES



TRACTOR - - MODEL NUMBER 917.273241 CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION
1	174619	Chassis
2	176554	Drawbar
9	172542X418	Dash
10	72140608	Bolt RDHD SQNK 3/8-16 x 1
11	174996	Panel, Dash, LH
13	179174X010	Panel, Dash, RH
14	17490608	Screw Thdrol 3/8-16 x 1/2
17	172540X615	Hood Assembly
20	180679	Plate Battery
23	124028X	Bushing Snap
26		Locknut, Hex, with Insert 3/8-16 unc
28	174945X418	
29		Lightbox Dual
30		Fender/Footrest
31	139976	Bracket, Fender/Support
37	17490508	Screw, Thdrol. 5/16-18 x 1/2 TYT
38	175710	Bracket Asm Pivot Mower Rear
39	174988	Bracket Pivot Hood
42	172545X599	
43	172544X599	
58	174993	Duct Hood
60	STD533707	
64	174997	Dash Lower
74		Nut Crownlock 3/8-16 unc
90	124346X	Nut Self Thrd Wshd 1/4 Zinc
142	175702	Plate Reinforcement
143	154966	Bracket Swaybar Chassis
144	175582	Bracket Footrest
145	156524	Rod Pivot Chassis/Hood
154	174679	Bracket Dash Rh
155	174680	Bracket Dash Lh
158	162037	Parking Brake Bkrt
159	179950X418	
166	171875	HWHDH:-Lo. #13-16 x 3/4
208	17670608	Screw Thdrol. 3/8-16 x 1/2
209	17000612	Screw Hexwsh Thdr 3/8-16 x 3/4
215	172543X615	
217 219	179132X418 17000512	Console Fuel Window Screw 5/16-18 x 3/4
Z18	17000512	OCIOW D/ 10* 10 X 3/4

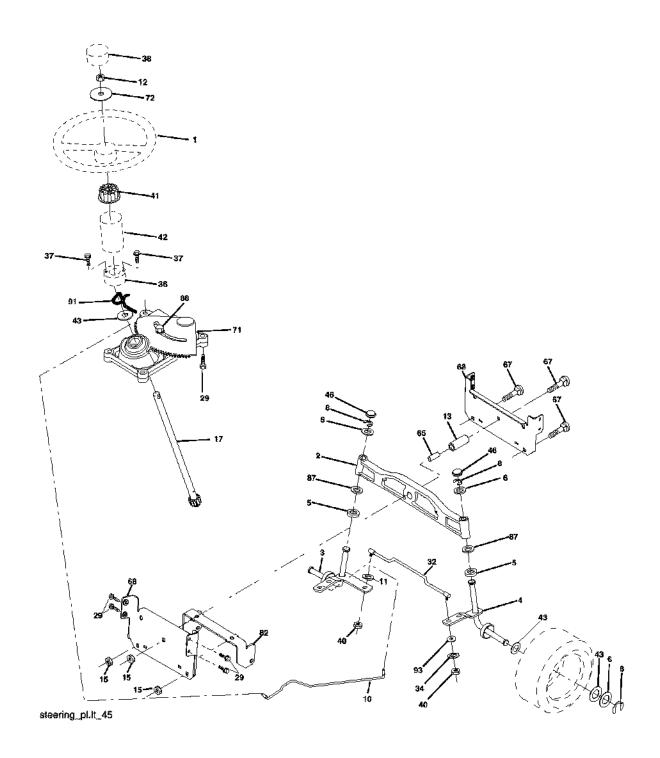
NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm



GROUND DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
	NO.				
1		Transaxle, HydroGear, Model	78	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
		Number 336-0510 (See Break-	89		Console, Shift
		down)	90	124346X	Nut Self-Thd Wsh-hd 1/4 Zinc
6	17060512	Screw 5/16-18	95	180825	Rod Bypass
9_	179334	Clutch Electric	96	4497H	Retainer Spring 1* Zinc/Cad
15	74490544	Bolt Hex Fighd 5/16-18 Gr. 5	116	72140608	Bolt RDHD SQNK 3/8-16 unc x 1
16	73800500	Nut Lock Hex W/Ins. 5/16-18 unc	120	73900600	Nut Lock Flg 3/8-16 unc
17	126197X	Washer 1-1/2 OD x 15/32 ID x.250	150	175456	Spacer Retainer
19 20	73800600	Nut Lock Hex W/Wsh 3/8-16 unc Bolt Hex 7/16-20 x 4 x Gr. 5-1.5	151 202	19133210 72110614	Washer 13/32 x 2 x 10 Ga. Bolt Carr Sh 3/8-16 x 1-3/4 Gr. 5
21	173937	Knob Custom Control Cruise	212	145212	Nut HexFlange Lock
22	175896	Rod. Brake	214	174735	Link Transaxle
24	73350600	Nut, Hex Jam 3/8-16 unc	217	179433	Pedal Assy, Reverse, with Pad
25	106888X	Spring, Brake Rod	218	174713	Arm Control Pedal Reverse
26	19131316	Washer	219	174839	Bracket Frest Pdl Ctrl. Hyd
27	76020412	Pin Cotter 1/8 x 3/4 CAD.	220	174711	Bracket Mtg. Pedal Control
28	179607	Rod, Parking Brake	221	72140606	Bolt Rdhd Sqnk 3/8-16 unc x 3/4
29		Knob Brake Parking	222	73680700	Nut Crownlock 7/16-14 unc
30	169592	Bracket, Transaxle	223	174840	Washer Nylon 11/16 ID x .060
32	74760512	Bolt Hex Hd 5/16-18 unc x 3/4	224	174736	Pedal Forward
33	72140506	Bolt Rdhd Sqnk 5/16-18 unc x 3/4	225	174712	Arm Control Pedal Forward
34	175578	Shaft, Foot Pedal	226	174902	Bolt Pivot Spacer
35	120183X	Bearing, Nylon	227	174710	Cam Reverse Pedal LT
36	19211616	Washer	228	179032	Bolt Shoulder 5/16-18
37	1572H	Pin, Roll	229	176451	Washer Serrated 5/16 x .75
38	179114	Pulley, Composite	231	174573	Strap Torque
39	74760648	Bolt Fin Hex 3/8-16 unc x 3	232	175570	Actuator Cruise Disengage
41	175556	Keeper, Belt Idler Flat	233	174856	Pawl Control Cruise
47	127783	Pulley, Idler, V-Groove	234	174858	Lever Control Cruise
48	154407	Bellcrank Clutch Grnd Drw Stl	235	174857	Sector Control Cruise
49	123205X	Retainer, Belt	236	128903	Bolt Shoulder 3/8-16 unc 1/44
50	72110612	Bolt	237	170165	Bolt Shoulder 5/16-18
51	73680600	Nut Crownlock 3/8-16 unc	238	175807	Arm Mtg. Cruise Sector
52	73680500	Nut, Crownlock 5/16-18 unc	239	17490508	Screw Thdrol 5/16 x 1/2
53	105710X	Link, Clutch	240	175610	Spring Return Cruise Control
55 56	105709X	Spring, Return, Clutch	241 242	73930400	Nut Centerlock 1/4-20 unc
56 57	17060620 140294	Screw 3/8-16 x 1-1/4 V-Belt, Ground Drive	242	74780412 178289	Bolt Fin Hex 1/4-20 unc x 3/4 Bracket Anti-Rotation CVX
57 59	169691		244	166880	Screw 5/16-18 x 5/8 TT Yellow
61	17120614	Keeper, Center Span Screw 3/8-16 x .875	251	17060516	Screw 5/16-18 x 1
62	123533X	Cover, Pedal	253	179422	Washer
63	174607	Pulley, Engine	254	178062	Clip Retainer
65	10040700	Washer	271	170002	Screw Hexwsh Thdr 3/8-16 x 3/4
66	154778	Keeper Belt Engine	272	17670508	Screw, 5/16-18 x 1/2 TT
74	137057	Spacer, Axle	273	179610	Pad, Reverse Pedal
75	121749X	Washer 25/32 x 1-1/4 x 16 Ga.	274	175646	Cover Pedal Forward
76	12000001	E-Ring			*******
77	123583X	Key, Square			nt dimensions given in U.S. inches
		• • • • • • • • • • • • • • • • • • • •	1 inch	= 25.4 mm	

TRACTOR - - MODEL NUMBER 917.273241 STEERING ASSEMBLY

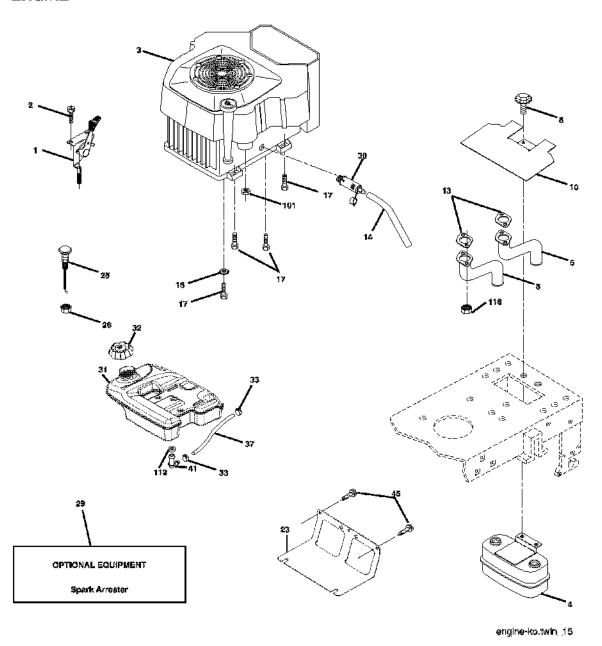


TRACTOR - - MODEL NUMBER 917.273241 STEERING ASSEMBLY

	PART	
NO.	NO.	DESCRIPTION
1	175139X418	Wheel Steering
2	184708	Axle Asm
3	169840	Spindle Asm LH
4	169839	Spindle Asm RH
5	6266H	Bearing Race Thrust Harden
6	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
10	175121	Link Drag
11	STD551137	Washer Lock Hvy Hlol Spr 3/8
12	73940800	Nut Hex Jam Toplock 1/2-20 unf
13	136518	Spacer Bearing Axle Front
15	145212	Nut Hex Flange Lock
17	177883	Shaft Asm, Steering
29	17000612	Screw 3/8-16 x 3/4
32	180580	Rod Tie
34	10040600	Washer Lock Hld Spr 3/8
36	155105	Bushing Strg
37	152927	Screw
38		Insert Cap Strg Wh
40	STD541537	Lock nut Center 3/8-24
41	159945	Adaptor Wheel Strg
42		Boot Steering
43	121749X	Washer 25/32 1 1/4 x 16 Ga.
46	184946X505	
65	160367	Spacer Brace Axle
67	72110818	Bolt, Ridhd Sq 3/8-16 unc x 2-1/4
68	169827	Axle, Brace
71	175148	Steering Asm.
72	19182411	Washer 9/16 ID x 1-1/2 OD 11Ga.
82	169835	Bracket Susp. Chassis Front
87	173966	Washer Flat .781 x 1-1/2 x .15
88	175118	Bolt Shoulder 7/16-20 und
91	175553	Clip Steering
93	19121214	Washer 3/8 x 3/4 x 14 Ga.
	17490608	Screw Thdrl 3/8-16 x 1/2

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

ENGINE

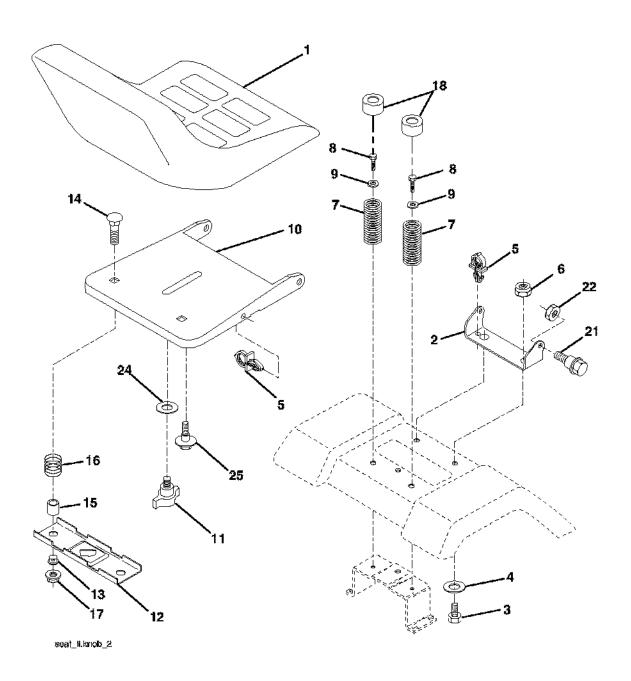


ENGINE

KEY NO.	PART NO.	DESCRIPTION
1		Control, Throttle
2 3	171875	Screw Hwhd Hi-Lo #13-16 x 3/4 Engine, Kohler, Model Number
•		CV730-0018 (See Breakdown)
4	149723	Muffler, Asm. Twin Lo-Tone
5	146700	Pipe Exhaust Intek 20 RH
6	146699	Pipe Exhaust Intek 20 LH
8	171877	Bolt 5/16-18 Une x 3/4
10	146629	Shield Heat
13	4.0.4=0	Muffler Gasket (Order from Engine Mfgr.)
14	148456	Tube, Oil Drain
16	STD551237	Washer, Lock Ext tooth 3/8
17	17060624	Screw 3/8-16 x 1-1/2
23		Shield, Browning/Debris Guard
		Control Choke
	73920600	Nut Keps 3/8-24 unf
29 31	137180 179022	Arrester, Spark Tank, Fuel
	179124X418	
	123487X	Clamp, Hose Blk
37	8543R	Line, Fuel 7.5
38	181654	Plug, Drain Oil Easy
40	3645J	Bushing
	139277	Stem Tank Fuel
	17000612	Screw H/Wsh Thdrol 3/8-16 x 3/4
	M73030800	Nut, Flange M8-1.25
	3645J	Bushing
116	184362	Nut, Hex Fig TI M8-1.25

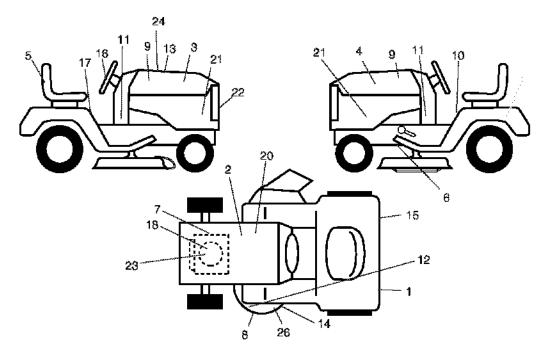
NOTE: All component dimensions given in U.S. inches 1 inch = 25.4 mm

SEAT ASSEMBLY



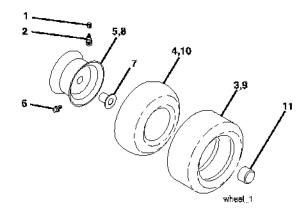
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	175134	Seat	13	121248X	Bushing Snap Blk Nyl 50 ld
2	140551	Bracket Pivot Seat 8 720	14	72050412	Bolt Rand Sank 1/4-20 x 1-1/2
3	STD523710	Bolt Fin Hex 3/8-18 und x 1	15	121249X	Spacer Split 28x .88 Zinc
4	19131610	Washer 13/32 x 1 x 10 Ga.	16	123740X	Spring Cprsn Plate 1.310 Ga.
5	145006	Clip Push-In	17	123976X	Nut Lock 1/4 Lge Flg Gr 5 Zinc
6	STD541437	Nut Hex w/lns. 3/8-16 unc	18	124238X	Cap Spring Seat
7	124181X	Spring Seat Cprsn	21	171852	Bolt Shoulder 5/16-18 und
8	17000616	Screw 3/8-16 x 1-1/2	22	STD541431	Nut Hex Lock W/Ins 5/16-18
9	19131614	Washer 13/32 x 1 x 14 Ga.	24	19171912	Washer 17/32 x 1-3/16 x 12 Ga.
10	182493	Pan Seat	25	127018X	Bolt Shoulder 5/16-18 x 62
11 12	177957 121246X	Knob Seat Adj. Wingnut Bracket Mounting Switch		: All compon	ent dimensions given in U.S. inches

DECALS



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	187407	Reflector, LH	16	177890	Decal, Steering Wheel
2	138047	Decal, Battery, Diehard, Sears	17	177955	Decal, Fender, Cruise
3	186329	Decal, Hood RH	18	177914	Decal, Engine, Kohler
4	186330	Decal, Hood LH	20	149516	Decal, Battery
5	180978	Decal, Seat Craftsman	21	186331	Decal, Hood, Side Panel
6	146046	Decal, V-Belt, Drive Schematic	22	177889	Decal, Grille
7	185980	Decal, Engine	23	177918	Decal, Engine, KP, Sears
8	178455	Decal, Deck, Caution	24	186573	Decal Replacement
9	180978	Decal, Hood Side	26	181470	Decal, Deck level
10	156439	Decal, Fender, Danger		174998X418	Pad, Footrest, ST/LT, LH
11	177665	Decal, Panel, Dash			Pad, Footrest, ST/LT, RH
12	178482	Decal, Mower, Heavy-Duty		138311	Decal Handle Lft Height Adjust
13	133644	Decal, Replacement Parts		166960	Decal By-Pass
14	175291	Decal, V-Belt, Schematic		188062	Manual, Owner's, English
15	187408	Decal, Reflector, RH		188064	Manual, Owner's, Spanish

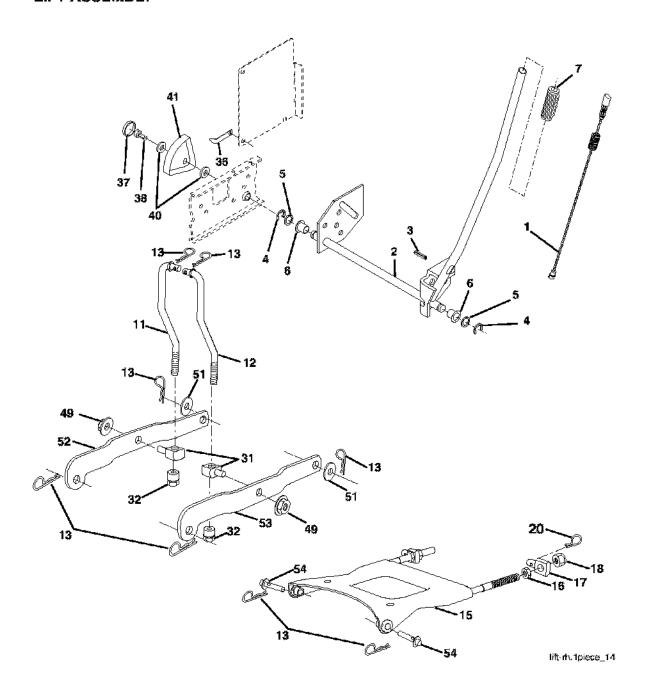
WHEELS & TIRES



KEY	PART	
NO.	NO.	DESCRIPTION
1	59192	Cap Valve Tire
2	65139	Stem Valve
3	106222X	Tire F Ts 15 x 6 0 - 6 Service
4	59904	Tube Front (Service Item Only)
5	106732X417	Rim Asm 6"front Service
8	278H	Fitting Grease (Front Wheel Only)
7	9040H	Bearing Flange (Front Wheel
		Only)
8	106108X417	Rim Asm 8"rear Service
9	122082X	Tire R Ts 20 x 10-8 C Service
10	7152J	Tube Rear (Service Item Only)
11	104757X417	Cap Axie Bik 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 $\,$

LIFT ASSEMBLY

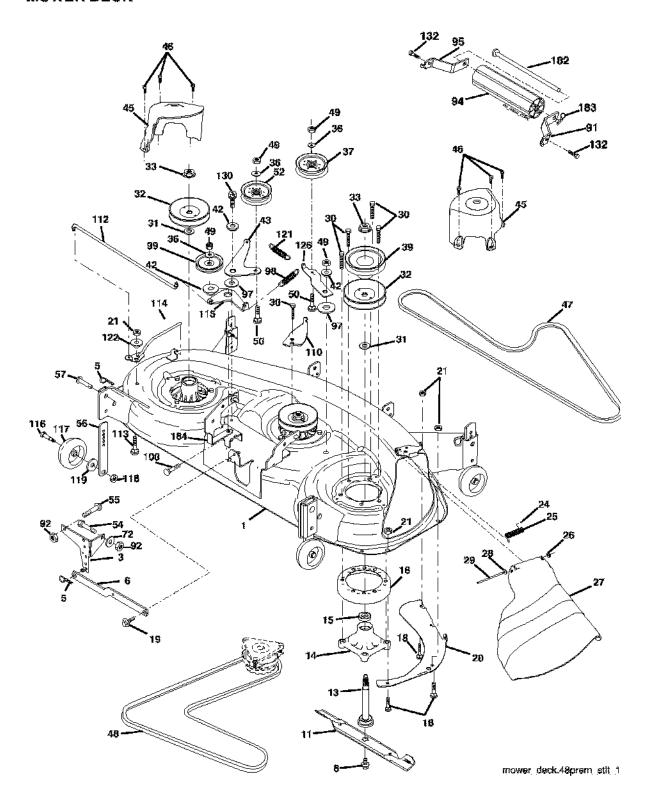


LIFT ASSEMBLY

KEY	PART	
NO.	NO.	DESCRIPTION
	4-4-4	
1	179504	Plunger Assembly
2	159476	Shaft Assembly, Lift
3 4 5	178981	Pin, Groove
4	12000002	E-Ring
b	19211621	Washer 21/32 x 1 x 21 Ga.
6	120183X	Bearing, Nylon
7	175830	Grip, Handle, Fluted
11	175970	Link, Lift, L.H.
12	175371	Link, Lift, R.H.
13	4939M	Retainer Spring
15	175562	Plate Asm Suspension Front
16	73350800	Nut Hex Jam 1/2-13 unc
17	175689	Trunnion Front Susp.
18	73800800	Nut Lock w/Wsh 1/2-13 unc
20	163552	Retainer Spring
31	176205	Trunion Sups. Arm.
32	175994	Nut Lift Link 7/16-20
36	155097	Pointer Height Indicator
37	123935X	Plug Hole
38	17060516	Screw 5/16-18 x 1
40	19112410	Washer 11/32 x 1-1/2 x 10 Ga.
41	155098	Indicator Height Stlt
49	145212	Nut Hex/Large Lock
51	19171416	Washer 17/32 x 7/8 x 16 Ga.
52	175378	Arm Su≋pension Rear LH
53	175802	Arm Suspension Rear RH
54	175560	Pin Flange

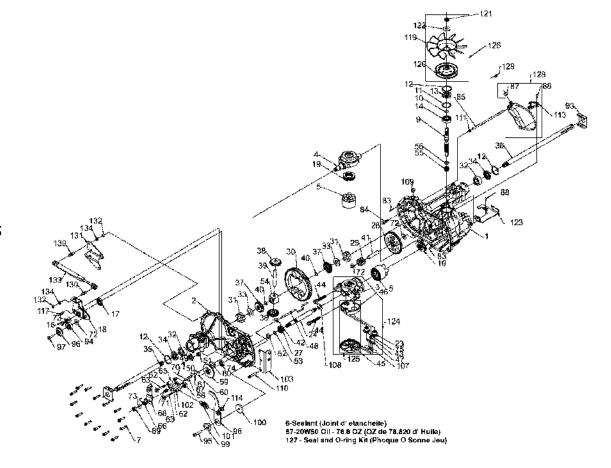
 $\begin{array}{ll} \textbf{NOTE:} & \text{All component dimensions given in U.S. inches} \\ \text{1. inch} = 25.4 \text{ mm} \end{array}$

MOWER DECK



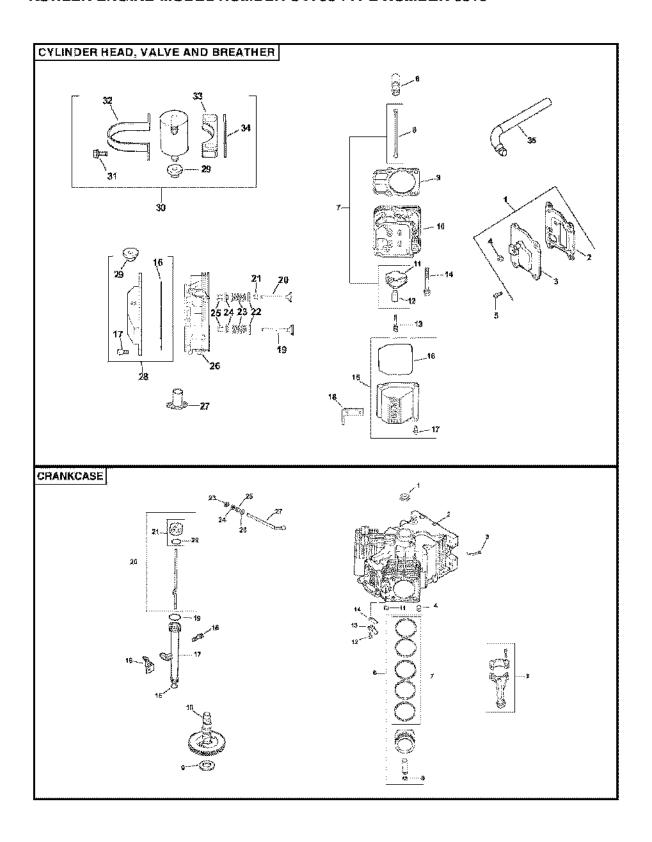
MOWER DECK

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	180358	Deck Weldment Mower 48	50	72110612	Bolt, Cam. 3/8-16 x 1-1/2 Gr. 5
3	138017	Bracket Asm., Sway Bar	52	175820	Pulley Idler Flat
5	4939M	Retainer Spring	54	74780816	Bolt Fin Hex 3/8-18 Unc x 1 Gr. 5
6	178024	Bar Sway Deck	55	72140608	Bolt Rohd Sqnk 3/8-16 Und x 1
8	1743 6 5	Bolt 7/16 Asm. Blade	5 6	155986	Bar Pnt Adj.
		(The following blades are	57	156941	Pin Head Rivet
	4-0000	available)	72	19131312	Washer 13/32 x 13/16 x 12 Ga.
11	173921	Balde, 48" Mulching (For mulching	91	180535	Bracket Asm Noseroller RH
	405054	mowers only)	92	73800600	Nut Lock Hex w/Ins 3/8-16 Unc
	180054	Blade, 48" Hi-Lift (for bagging and	94	176066	Noseroller
4.53	474000	discharging)	95	180534	Bracket Asm Noseroller LH
13	174360	Shalt Mandrel Asm. Greaseable	97	178515	Washer Hardened
14	174358	Housing Mandrel	98	179479	Spring Primary Drive
15	110485X	Bearing, Ball, Mandrel	99	184058	Pulley idler*V"
16	174493	Stripper Mandrel Deck	100	72110616	Bolt RDHD Sqnk 3/8-16 Une x 2
17 18	72110610 72140505	Bolt RDHD Sq Neck 3/8-16 x 1.25	110 112	175016 17 436 7	Arm Spring Secondary Link Tension Relief Lever
19	132827	Bolt, Carriage 5/16-18 x 5/8	113	72110506	Bolt Carr. 5/16-16 x 3/4
20	174378	Bolt, Hex Hd, Shoulder 5/16-18	114	174384	
21	73680500	Baffle, Vortex Mower Nut. Crownlock 5/16-18 Unc	115	174609	Tension Asm Relief Lever
24	105304X	Cap, Sleeve	116	184219	Arm Spring Tension Relief Bolt, Shoulder
25	178102		117	174873	Gauge Wheel
26	170102 110452X	Spring, Torsion Nut. Push	118	73930600	Nut. Centerlock 3/8-16 Unc
27		Deflector Shield	119	19121414	Washer 3/8 x 7/8 x 14 Ga.
28	19111016	Washer 11/32 x 5/8 x 16 Ga.	121	174371	Spring Secondary Drive
29	131491	Rad, Hinge	122	174606	Bushing Pivot Tension Relief
30	173984	Screw, Thdroll	126	174372	Arm, Idler, Primary Deck
31	129963	Washer, Spacer Mower Vented	130	17000816	Screw 3/8-16 x 1
32	177865	Pulley, Mandrel	132	17000612	Screw 3/8-16 x .75
33	178342	Nut, Fig. Top Lock Cntr. 9/18	182	179127	Rod Roller Nose
36	19131318	Washer 13/32 x 13/16 x 16 Ga.	183	163552	Retainer Spring
37	177968	Pulley, Idler	184	173979	Keeper Belt idler
39	174375	Pulley, Idler, Driven		174356	Mandrel Asm. Service (Includes
42	165723	Spacer, Retainer		.,	Key Nos. 13-15)
43	174373	Arm, Idler Secondary		181579	Replacement Mower, Complete
45	180806	Cover, Mandrel Deck			(Std. Deck-Order separately nose
46	137729	Screw, Thdroll. 1/4-20 x 5/8			roller components Key Nos. 91,
47	180808	V-Belt, Mower, Secondary			94, 95 and 132, 182, and 183.)
48	174368	V-Belt, Mower, Primary			modern of the second second second of the second se
49	73680600	Nut. Crownlock 3/8-16 Unc	NOTE	: All compon	ent dimensions given in U.S. inches
		Convey out of the transfer of the section		1 inch = 25.	



TRACTOR - - MODEL NUMBER 917.273241 HYDRO GEAR TRANSAXLE - - MODEL NUMBER 336-0510

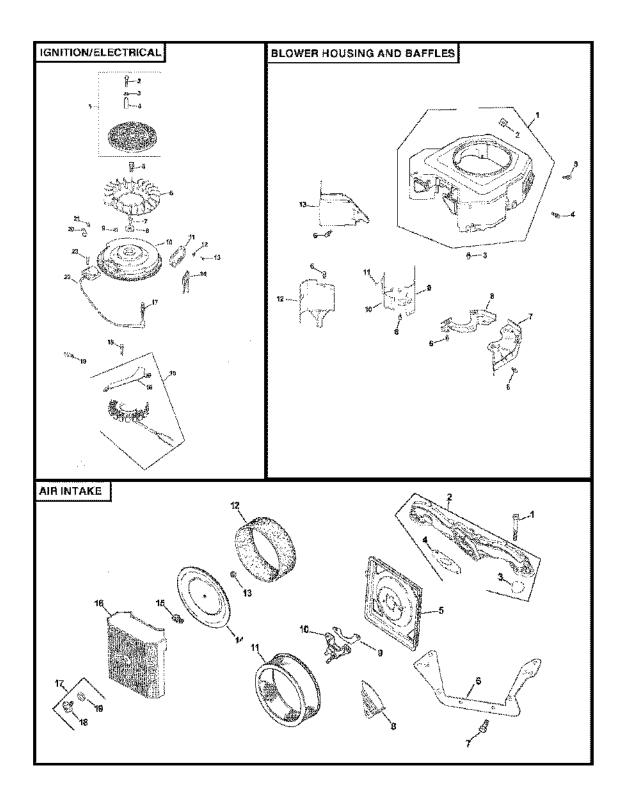
		PART		_	PART	
N	O.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
1		170351	Main Housing, Assembly	68	178782	Arm, Brake
2		170352	Side Housing, Assembly	69	170415	Slotted Hex Nut 5/16-24
3		170353	Center Section, Assembly	70	170416	Catter Pin 3/32 X 3/4
4		170354	Swashplate, Trunion Machined	71	170417	Compression Spring Brake Anti-
5		169898	Block - Assembly	72	170418	Drag
8 7		170355	Sealant 10.5 Oz	72	170410	Washer, Ht .5 I.D. X 1 O.D. X .032
8		170356 170357	Hex Flange Screw 1/4-20 X 1.25 Stud, 5/16-24 Hex Double End	73	142884	Flat - Washer 11/32 I.D. X 7/8O.D
9		170358	Shait, Input	74	170419	Oil Seal .625 X 1.0 X .25
16)	170359	Ring - Retaining	75	170420	Check Plug Assembly, .027,
11	1	170360	Spacer			Washer
12		169870	Ring - Retaining	78	170421	Stud, 5/16-24 Friction Pack
13		170361	Seal, Lip .67 X 1.58 X .276	77	170422	Puck, .330 X 1.50 X .0975
14	4	169869	Ball Brg 17mm Id X 40mm Od X	78 79	142 96 9 142980	Spring, Helical Comp
16	æ	170362	12mm Hex Flange Head Screw 5/16-	80	150778	Spacer Hex Lock Nut 5/16-24Unjf(Nylon
11	J.	I F WOOLE	24X0.75	O.	100110	Insert)
17	7	170363	Lip Seal 18 X 32 X 7	81	170423	Wedge, Friction Pack
18		178781	Arm, Control	82	170424	Clip, Washer .316x1.50x.1046
19		150771	Bearing, 30x52x13 Thrust			(Plated)
23		170365	Check Plug Assembly, Washer	83	161168	Pin, Standard Headless
24		170366	Shalt, Motor	84	170425	Fitting, 5/16 Sae 5/32 Tube
27		170367	Gear - Pinion, 13t	85 87	170426 142917	Hose, Expansion Tank Cap - Poppet Valve
28 29		170368 170369	101/48t Gear	67 68	170429	Bolt, Self Tapping 10-32 X 1/2
30		170309	Gear, 10t Jackshaft 60t Bull Gear	90	170430	Puck, Inner Wedge
3		170371	Sleeve Bearing .75 X 1.575 X .625	93	170431	Spring Clip - Housing Thrust
32		170389	SleeveBearing(Outboard)	94	178783	Bearing, Ball
			.75x1.750x.625	95	178784	Screw, Socket Head Cap 5/16-
30	3	142991	Washer, 3/4 ld X 1-1/2 Od X .13			24X1-1/2
_			Thk	96	178786	Spacer, Locating
34		170390	Lip Seal Axle Seal	97	178787	Screw, SFHCS 5/16-18 X1
38 36); 2:	170391 170392	Shalt, Axie .75 X 11.39 (Key, R.H.)	98 99	178789 178792	Arm Return Puck, Adjusting
37		150792	Shalt, Axie .75 X 16.99 (Key, L.H.) Miter Gear (Splined)	100	178793	Washer, .24 ID X 1.60 OD X .239
38		150793	Miter Gear 15t (0.5 ld)	101	178794	Spring, Extension
39	9	150809	Shalt	102	178795	Spacer 260 ID X 560 OD X 870
4(170393	Ring, Spiral Retaining	103	178796	Bracket, Torque
4		170394	Pin, Jackshaft	107	170432	Deflector
42		170395	Magnet, Ring	108	170433	Washer, Motor Shaft .71idx1.15od
43 44		170396	Spring, Bypass	109	170434	x.030thk Plug, Sae #6
***	₩.	150797	Hydro Mtg Screw 3/8-24 X 2.5 Long	111	170435	O-Ring .07 X .301 I.D.
48	5	170397	Filter	113	170437	Bracket, Support Expansion Tank
46		170398	Base, Filter	114	178797	Spring
47	7	170399	Actuator, Bypass	116	170438	Silicon Sponge
48		170400	Rod, Bypass Actuator	117	178799	Pin, Spring
49		170401	Arm, Bypass	119	170439	Fan, 7 in.
50		170402	Retaining Ring .250 External	120 121	170440 17044 1	Pulley
51 52		170403 170404	Seal, Lip .741 X .250 X .250 To Flat Washer, 5/8 Id X 1.0 Od X .05	121	1 7 Q/4*+ I	Hex Lock Nut 1/2-20 (Nylon Insert)
Ű.	_	175/95/9	Thk	122	170442	Washer, Belleville
53	3	170405	Retaining Ring	123	178800	Belt Keeper
5	4	170406	Bearing, Center Block	124	170444	Center Section-Filter-Bypass
58		142977	Spring - Helical Compression			Assembly
5€		142978	Washer	125	170445	Filter Assembly
57		150798	20w-50 Oil	126	170446	Fan - Pulley Service Assembly
58		170407	Brake Yoke	127 128	170447 173185	Seal - O-Ring Kit
59 60		170408 142883	Rotor, Brake Brake Puck	130	178802	Kit, Expansion Tank Stud Ball
8		142882	Puck Plate	131	178803	Bracket, Cruise Damper
62		142887	Brake Actuating Pin	132	178804	Hex Nut 5/16-18 NC
83		170410	Hfhcs 1/4-20x2 W/Patch,	133	184227	Damper
			SpecialFlange	134	178808	Washer, Helical Spring Lock 5/18
64		142892	Bolt, 1/4-20 X 1 W/Patch	900	173839	Transaxle Complete
8		170411	Spacer Castin Augustion	K é s^akur u	. All an	and dimensions since in 110 instance
66 87		170412 170413	Spring, Brake Arm Bias Sq. Hd. Bolt 5/18-24-Ribbed	NOIL		ent dimensions given in U.S. inches
O.	,	I FWTHO	4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4: 4	9	1 inch = 25	3.25 ((III)
			E7	_		



HEAD/VALVE/BREATHER

CRANKCASE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	24-033-01-S	Kit, breather cover w/gasket (Includes 2-4)	1 2	24-032-01-S	Crankcase
2	24-041-23-S	Gasket, breather	_		(USE: Miniblock 24 782 24)
3	24-096-87-S	Cover, breather	3	24-294-13-S	Fitting
4	25-139-60-S	Plug, allen hd. 1/8"	4	24-380-13-S	Pin, locating (6)
5	M-645020-S	Screw, hex. flange M6x1.0x20 (4)	5	24-067-13-S 24-067-14-S	
8	25-351-01-S	Lifter, valve (4)	6	24-874-08-S	Piston w/Ring Set (Std.) (2)
7	24-755-66-S	Kit, valve train (Includes			(Includes 7, 8)
	A	8,11,12)	_	24-874-16-S	Piston w/ring set (.08)
8	24-411-05-S	Rod, push (4)	7	24-108-05-S	Ring Set (Std. & .08) (2)
9	24-041-37-S	Gasket, cylinder head (2)	8	24-018-01-S	Retainer, piston pin (4)
10	24-318-72-S	Head assembly, #2 cylinder	9	12-422-09-S	Shirm, carnshaft (A.H.)
11	25-186-01-S	Arm, rocker (4)		12-422-13-S	Shim, camshaft (A.B.)
12	24-599-01-S	Pivot, rocker arm (4)		12-422-07-S	Shirm, carnshaft (A.B.)
13	M-640034-S	Screw, hex. flange		12-422-08-S	
	40.000.40.00	M6x1.0x34 (4)		12-422-10-S	
14	12-086-16-S	Screw, hex. flange		12-422-11-S	
4-	n. 755 7. A	M10x1.5x90 (8)	45	12-422-12-S	Shim, camshaft (A.R.)
15	24-755-74-S	Kit, valve cover - plain	10	24-012-16-S	
4.0	04 450 00 0	(Includes 16,17)	11	52-139-09-S	Plug, cup
16	24-153-23-S	O-Ring	12	M-545010-S	Screw, hex. flange
17	24-086-32-S	Screw, shoulder (4)	4.0	A	M5x0.8x10 (2)
18	24-445-01-S	Strap, lifting	13	24-018-04-S	Retainer, reed (2)
19	24-016-01-S	Valve, exhaust (Std.) (2)	14	24-402-05-S	
22	24-016-02-S	Valve, exhaust (.25) (2)	15	12-153-01-S	
20	24-017-01-S	Valve, intake (Std.) (2	16	24-126-19-S	
25-4	24-017-02-S 66-032-05-S	Valve, intake (.25) (2)	17 18	12-123-04-S M-545016-S	Tube, oil fill
21 22	235011-S	Seal, valve stem (2)	10	CHO I DEPEN	Screw, hex. flange M5x0.8x16
23	24-089-02-S	Retainer, spring (4) Spring, valve (4)	19	12-153-02-S	
24 24	12-173-01-S	Cap, valve (4)	20	24-038-04-S	O-Ring, upper oil fill tube Dipstick assembly (Includes
25	12-755-03-S	Kit, retainer (4)	20	24"000"04"0	21, 22)
26	24-318-69-S	Head assembly, #1 cylinder	21	24-755-46-S	Kit, oil fill cap (Includes 22)
27	24 605 01-S	Liner, exhaust port	22	25-153-02-S	O-Ring, dipstick
28	24-755-76-S	Kit, valve cover - breather	23	24-018-09-S	Retainer, ring
20	<u> </u>	(Incl. 16, 17,29)	24	M-931010-S	Washer, nylon (top)
29	25-313-03-S	Grommet, rubber	25	28-032-09-S	Seal, governor cross shaft
30	24-755-57-S	Kit, breather separator	26	24-468-15-S	Washer (bottom)
	_ · · · · · · · · · · · · · · ·	(Includes 29,30-33)	27	24-144-38-S	Shaft, governor cross
31	M-545016-S	Screw, hex. flange M5x0.8x16 (2)	NOTE	E: All compone	ent dimensions given in U.S.
32	24-445-02-S	Strap, breather	inche	s 1 inch = 25.4	mm
33	24-126-44-S	Bracket, breather separator			
34	24-112-12-5	Spacer			
35	24-326-55-S	Hose, breather			

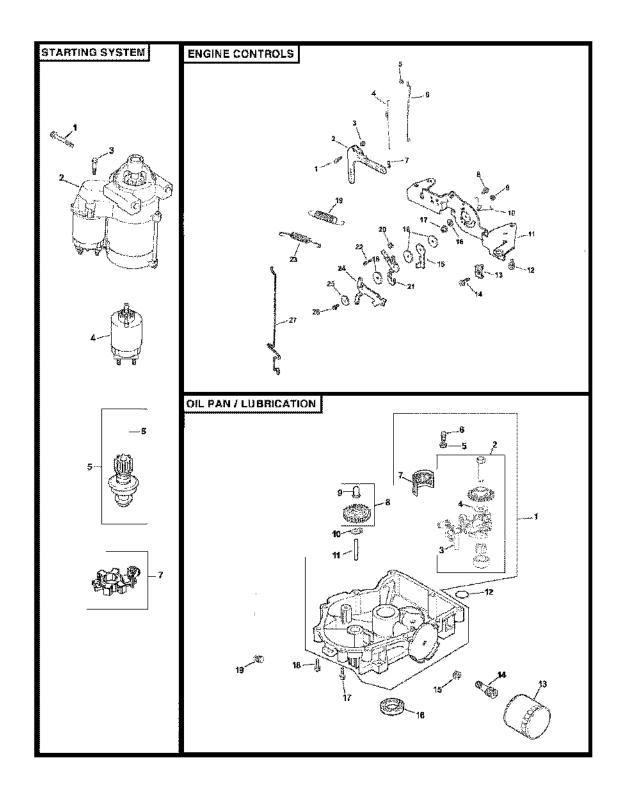


IGNITION/ELECTRICAL

BLOWER HOUSING & BAFFLES

KEY NO.	PART NO.	DESCRIPTION	KEY NO.		DESCRIPTION
1	54-755-15-S	Kit, grass screen (Includes 2-4,and 24 113 18-5)	1	24-027-11 4- S	Housing, blower (Incl. 2-4)
2	M-403025-S	Screw, hex. cap M4x0.7x25 (4)	2 3	24-100-01-S M-545020-S	Nut plastic (2) Screw, hex. flange
3 4	X-25-92-S 24-112-04-S	Washer, plain 5/16" (4) Spacer, grass screen (4)	4	M-545016-S	M5x0.8x20 (4) Screw, hex. flange
5 6 7	25-086-47-S 24-157-08-S	Bolt, shoulder M6x1.0x16 (4) Fan	5	M-551016-S	M5x0.8x16 (3) Screw, hex. flange
,	12-086-14-S	Screw, hex. flange M10x1.5x46	6	M-645016-S	M5x0.8x16 Screw, hex. flange
8 9	12-468-03-S X-42-15-S	Washer, plain 3/8" Key	7	24-146-16-S	M6x1.0x16 (6) Plate, backing - # 2 side
10 11	24-025-01-S 41-403-09-S	Flywheel Rectifier-regulator	8 9	24-146-20-S 24-063-20-S	Plate, backing - # 1 side Baffle, cylinder barrel-# 2
12 13	X-25-92-S 24-086-18-S	Washer, plain 3/16" (2) Screw, phillips hd. 11-16x7/8	10	24-063-23-S	side Baffie, valley - #1 side
14	236602-S	(2) Connector (3 contact)	11	M-545010-S	Screw, hex. flange M5x0.8x10 (2)
15	54-755-09-S	Kit, 15 amp stator (Includes 16)	12	24-063-58-S	Baffle, cylinder barrel-# 1 side
16 17	24-126-71-S 12-132-06-S	Bracket, stator wire Spark Plug (2)	13 NOT	24-063-14-S ILLUSTRATED 24 096 85-S	Baffle, valley - #2 side Cover, blower housing
18	M-548025-S	Screw, hex. cap M5x0.8x25		25 086 91-S	Screw, tapping
19 20 21	235173-S 48-154-02-S X-25-63-S	Clip, cable Clip, cable Washer, plain 1/4"			
22	24-584-01-S	Module, ignition (2)			
22	M-545020-S				
23	M-545020-S	Screw, hex. flange M5x0.8x20 (4)	AID 1	NTAVE/EUTDA	TION
	M-545020-S ILLUSTRATED X-22-11-S	Screw, hex. flange M5x0.8x20 (4)	AIR II	NTAKE/FILTRA	ITION
NOT	ILLUSTRATED	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12	AIR II KEY NO.		TION DESCRIPTION
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets)	KEY	PART	DESCRIPTION Screw, hex. flange
NOT	ILLUSTRATED X-22-11-S 24-176-82-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge	KEY NO . 1	PART NO. M-651040-S 24-164-51-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4)
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3	PART NO. M-651040-S 24-164-51-S 24-153-27-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2)
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-52-S 24-041-14-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3 4 5 6	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-52-S 24-041-14-S 24-094-34-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-52-S 24-041-14-S 24-094-34-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner Bracket, air cleaner base Screw, hex. flange
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 34 5 6 7 8	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-52-S 24-041-14-S 24-094-34-S 24-126-130-S M-545010-S 24-063-51-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 34 5 6 7 8 9 10	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-14-S 24-044-34-S 24-094-34-S 24-063-51-S 24-063-51-S 24-041-13-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner base Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back Gasket, fuel spit-back cup
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 34 5 6 7 8 9 10 11	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-52-S 24-041-14-S 24-063-51-S 24-041-13-S 24-109-09-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner base Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back Gasket, fuel spit-back Cup, fuel spit-back
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3 4 5 6 7 8 9 10 11 12 13	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-52-S 24-041-14-S 24-094-34-S 24-126-130-S M-545010-S 24-063-51-S 24-041-13-S 24-109-09-S 24-083-03-S 24-083-05-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner base Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back Gasket, fuel spit-back Cup, fuel spit-back Element, air cleaner Precleaner, element
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	PART NO. M-651040-S 24-164-51-S 24-153-27-S 24-041-52-S 24-041-14-S 24-094-34-S 24-126-130-S M-545010-S 24-063-51-S 24-041-13-S 24-109-09-S 24-083-03-S 24-083-05-S 231032-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner base Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back Gasket, fuel spit-back cup Cup, fuel spit-back Element, air cleaner Precleaner, element Seal, breather
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	PART NO. M-651040-S 24-164-51-S 24-164-51-S 24-041-14-S 24-094-34-S 24-126-130-S M-545010-S 24-063-51-S 24-063-51-S 24-083-03-S 24-083-05-S 231032-S 24-096-01-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner base Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back Gasket, fuel spit-back Cup, fuel spit-back Element, air cleaner Precleaner, element Seal, breather Cover, inner air cleaner
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3 4 5 6 7 8 9 10 11 12 13 14	PART NO. M-651040-S 24-164-51-S 24-164-51-S 24-164-51-S 24-041-14-S 24-094-34-S 24-126-130-S M-545010-S 24-063-51-S 24-063-51-S 24-083-05-S 24-083-05-S 23-1032-S 24-096-01-S 12-100-01-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner base Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back Gasket, fuel spit-back Cup, fuel spit-back Element, air cleaner Precleaner, element Seal, breather Cover, inner air cleaner Wing Nut
NOT	ILLUSTRATED X-22-11-S 24-176-82-S 24-518-12-S 24-113-18-S	Screw, hex. flange M5x0.8x20 (4) Washer, lock 1/4" Harness, wiring Lead, black (rectreg. 5" - 12 gauge insulated grip barrel eyelets) Decal, grass screen	KEY NO. 1 2 3445678 9 10 11 12 13 14 15 16	PART NO. M-651040-S 24-164-51-S 24-164-51-S 24-041-14-S 24-094-34-S 24-126-130-S M-545010-S 24-063-51-S 24-063-51-S 24-083-03-S 24-083-05-S 231032-S 24-096-01-S	DESCRIPTION Screw, hex. flange M6x1.0x40 (4) Manifold, intake (Includes 3,4) O-Ring, intake port (2) Gasket, carburetor Gasket, air cleaner base Base, air cleaner base Bracket, air cleaner base Screw, hex. flange M5x0.8x10 (2) Baffle, fuel spit-back Gasket, fuel spit-back Cup, fuel spit-back Element, air cleaner Precleaner, element Seal, breather Cover, inner air cleaner

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



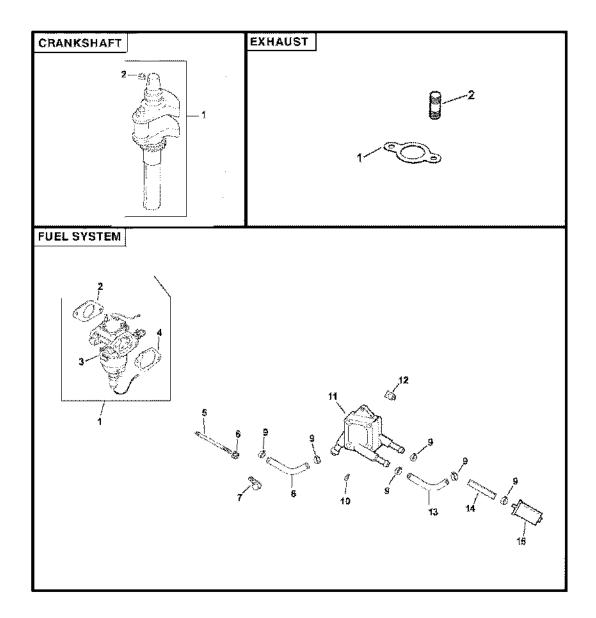
STARTING SYSTEM

OIL PAN/LUBRICATION

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	M-839080-S	Screw, hex. flange M8x1.25x80 (2)	1	24-199-07-S	Pan assembly, oil (Includes 2-11)
2	25-098-09-S	Starter, solenoid shift assem bly (Includes 3-7)	2	24-393-37-S	Oil pump assembly (Includes 3,4)
3	25 086 113-S	Screw, external torx. hd.	3	24-381-11-S	Tube, oil pickup
	25-435-04-S	Kit, solenoid (Includes 3)	4	24 153 01-S	
4 5 6 7	25-755-33-S	Kit, pinion drive (Includes 6)	5 8	M-631005-S	Washer, plain 6 mm (2)
6	25 141 05-S	Ring	6	M-645025-S	Screw, hex. flange
7	25-221-01-S	Kit, brush			M6x1.0x25 (2)
		·	7	24-162-26-S	
			8	24-043-12-S	
			9	12-380-01-S	
			10	52-448-02-S	
ENG	INE CONTROL	\$	11	12-144-02-S	
			12	24-153-08-S	O-Ring
KEY	PART		13	52-050-02-S	Filter, oil
NO.	NÖ.	DESCRIPTION	14	24-136-01-S	
			15	25-139-62-S	
1	24-211-03-S	Bolt, round head square neck	16	52-032-08-S	Seal, oil (PTO end)
2	24-090-33-S	Lever, governor	17	24-086-17-S	Screw, hex. flange
3	M-641060-S	Nut, hex. flange M6x1.0			M8x1.25x45
4	24-089-01-S	Spring, linkage	18	24-086-16-S	
5	25-158-08-S	Bushing, linkage retaining			M8x1.25x45 (9)
2 3 4 5 6 7	24-079-04-S	Linkage, throttle	19	25-139-57-S	
7	25-158-11-S	Bushing, throttle linkage			N.P.T.F.
8	M-545016-S	Screw, hex. flange			
		M5x0.8x16			ant dimensions given in U.S.
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inches 1 inch = 25.4 mm

KEY NO.		DESCRIPTION
1	24-211-03-S	Bolt, round head square neck
2	24-090-33-S	Lever, governor
	M-641060-S	Nut, hex. flange M6x1.0
Ä	24-089-01-S	Spring, linkage
3 5 6 7 8	25-158-08-S	Bushing, linkage retaining
6	24-079-04-S	Linkage, throttle
7	25-158-11-S	Bushing, throttle linkage
8	M-545016-S	Screw, hex. flange
		M5x0.8x16
9	M-547050-S	Nut, hex. lock M5x0.8
10	24-089-03-S	Spring, choke return
11	24-126-56-S	Bracket, control
12	M-645016-S	Screw, hex. flange
		M6x1.0x16 (4)
13	12-237-01-S	Clamp, cable (2)
14	24-086-43-S	Screw, thread forming (2)
15	24-090-07-S	Lever, throttle actuator
16	X-20-1-S	Washer, lock 1/4"
17	M-541050-S	Nut, hex. flange M5x0.8
18	24-468-01-S	Washer, plain 5.5 mm (3)
19	24-089-45-S	Spring, governor
20	M-446030-S	Nut, hex. M4x0.7
21	24-090-13-S	Lever, throttle control
22	M-545020-S	Screw, hex. flange
		M5x0.8x20
23	24-089-51-S	Spring, throttle limiter
24	24-090-05-S	Lever, choke
25	41-468-03-S	Washer, spring 1/4"
26	M-403025-S	Screw, hex. cap M4x0.7x25
27	24-079-02-S	Linkage, choke

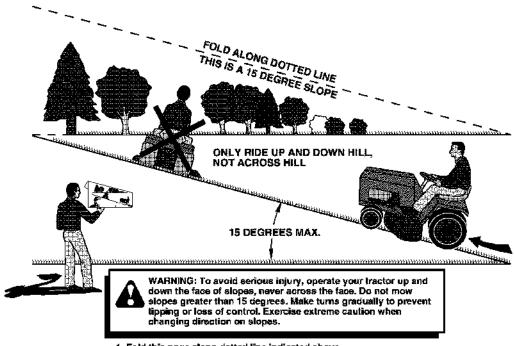


CRAN	NKSHAFT		FUEL SYSTEM		
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	24-014-42-S 52-139-09-S	Crankshaft (Includes 2) Plug, cup	1 2	24-853-90-S 24-041-52-S	Kit, carburetor w/gaskets (Includes 2-4) Gasket, carburetor
EXHA	NUST		3	24-053-90	Carburetor assembly (For information only not available separately)
KEY NO.	PART NO.	DESCRIPTION			(Service with kits 24-757-18- \$, 24-757-19-\$, 24-757-20- \$, 24-757-21-\$, 24-757-22-\$
1 2	24-041-49-S 25-072-04-S	Gasket, exhaust (2) Stud, M8x1.25x33 (4)	4 5	24-041-14-S M-629095-S	& fuel bowl 24-234-02-S) Gasket, air cleaner base Stud, M6x1.0x95 (2)
 	PA-CV730-00* 24-782-23 24-755-113-S	18Replacement Engine Miniblock Gasket Set	4 5 6 7 8 9	M-641060-S 47-154-01-S 52-353-22-S 25-237-14-S	Nut, hex. flange M6x1.0 (2) Clip, cable Line, fuel 12-1/2" Clamp, hose (6)
			ĭ0 11	24-086-12-S 24-393-16-S	Screw, hex. cap M6x1.7x18 (2) Pump, fuel - pulse
			12	24-100-01-S	Nut, plastic (2)1324-353-03- S Line, fuel 10-5/8"
			14 15 NOT I	15-353-04-8 24-050-02-8 ILLUSTRATED	
			 	24-234-02-S 24-757-18-S 24-757-19-S	Bowl, fuel Kit, overhaul w/gaskets Kit, choke repair w/gaskets
				24-757-20-S 24-757-21-S	Kit, gasket Kit, accelerator pump repair
				24-757-22-S	Kit, solenoid replacement w/gaskets

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

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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

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**Trademarque de commerce (* ¹ Marque de Co.

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**Trademarque de Co.

**Trade