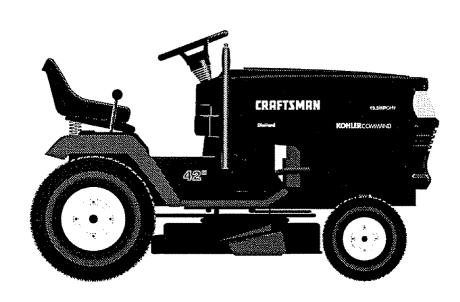
SEARS

MODEL NUMBER 917.257660 OWNER'S MANUAL

- Assembly
- Operation
- Customer Responsibilities
- Service and Adjustments
- Repair Parts





CAUTION: Read and follow all safety rules and instructions before operating this equipment.



SAFETY RULES

Safe Operation Practices for Ride-On Mowers



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.

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.

II. SLOPE OPERATION

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

DO:

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

DO NOT

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

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 boits, 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.



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



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

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

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Center/Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

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

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MAINTENANCE AGREEMENT

FOR FUTURE REFERENCE.

A Sears maintenance agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

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

PRODUCT SPECIFICATIONS

HORSEPOWER:	15.5
GASOLINE CAPACITY AND TYPE:	3.5 GALLONS UNLEADED REGULAR
OIL TYPE (API-SG):	SÁE 30 (above 32°F) SAE 5W-30 (below 32°F)
OIL CAPACITY:	W/ FILTER: 4.5 PINTS W/O FILTER: 4.0 PINTS
SPARK PLUG: (GAP: .030")	CHAMPION RC12YC
VALVE CLEARANCE:	INTAKE: .0015"0030" EXHAUST: .0020"0035"
GROUND SPEED (MPH):	FORWARD: 5.62 REVERSE: 2.4
TIRE PRESSURE:	FRONT: 14 PSI REAR: 12 PSI
CHARGING SYSTEM:	3 AMPS BATTERY 5 AMPS HEADLIGHTS
BLADE BOLT TORQUE:	30-35 FT, LBS.

WARNING: This unit 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 Authorized Service Center (See REPAIR PARTS section of this manual).

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two (2) years from the date of purchase, if this riding equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace, free of charge, any parts found to be defective in material or workmanship.

This Warranty does not cover:

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

LIMITED 90 DAY WARRANTY ON BATTERY

For ninety (90) days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE RIDING EQUIPMENT TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.

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

SEARS, ROEBUCK AND CO., D/817 WA, HOFFMAN ESTATES, ILLINOIS 60179

TABLE OF CONTENTS

SAFETY DITLES	A	R& A I king process a service of	SALUEDIU -	
PRODUCT SPECIFICATIONS	***************************************	MAINTENANCE S	SCHEDULE	6
CUSTOMER RESPONSIBILITIES	reneranancereneranaus de la	SERVICE AND A	DJUSTMENTS20-2	26
WARRANTY		TROUBLECUAS	**************************************	!/
TRACTOR ACCESSORIES	C 2000.000.000.000.000.000.000.000.000.00	DEDAID DADTO	TING28-2	.9
ASSEMBLY	7.40	DEDAID DADTO	TRACTOR32-4	1/
OPERATION	7 1 / Leversensous	DADTE ODDEDIA	ENGINE50-5	15
Of mild fivit avangementation of open nonestations	1 I = I Q	PARIS UNDERI	NG/SERVICEBACK COVE	H
INDEX				
_				
Α	E		0	
Accessories5	Electrical:		Oil:	
Adjustments:	Interlocks and Rela	ays 25	Cold Weather Conditions 12,1	
Brake22	Schematic Wiring Diagram		Engine	
Carburetor26	Engine:	na manazotarente ar es per en pen 🖬 🥌	Storage	
Mower Front-To-Back21	Air Filter	10	Operation	
Side-To-Side21	Air Screen		Operating Mower	3
Throttle Control Cable 26	Cooling Fins		Options:	
Air Filter, Engine	Oil Change		Accessories	
Air Screen, Engine	Oil Level		Spark Arrester3,4	U
Assembly7-10	Oil Type	13,18	n	
1 COCCUPY CONTRACTOR ON THE SECOND STATE OF TH	Preparation		F Davidson Doobs	_
В	Repair Parts Starting		Parking Brake11-1	
	Storage		Parts Bag	
Battery: Charging8		AND THE PROPERTY OF THE PROPER	Parts, Replacement/Repair 32-4	7
Cleaning17	F		Product Specifications	3
Installation9	Filter:			
Levels	Air Filter	19	R	
Preparation8	Fuel		Repair Parts32-4	7
Starting with Weak Battery24	Fuel:			
Storage	Туре		S	
Terminals17	Storage		Safety Rules	2
Belt:	Fuse		Seat	
Motion Drive Removal/Replacement			Service and Adjustments 20-2	
Mower Belt(s)	H		Carburetor2	
Removal/Replacement22	Hood Removal/Installat	ion25	Fuse	
Blade:			Hood Removal/Installation2	5
Sharpening17	L		Motion Drive Belt	_
Replacement	Leveling Mower Deck	21	Removal/Replacement 2	3
Brake Adjustment22	Lubrication:	- -	Mower Belt(s) Removal/Replacement2	2
	Chart		Mower Adjustment	2
С	Engine		Front-to-Back2	1
Carburetor Adjustment26			Side-to-Side	1
Controls, Tractor	M		Mower Removal/Installation 2	
Customer Responsibilities 16-19	Maintenance Schedule		Tire Care8,17,2	
Engine:	Mower:		Slope Guide Sheet5	
Ăir Filter19	Adjustment, Front-		Spark Plug(s) 1	9
Air Screen 18	Adjustment, Side-to	o-Side21	Specifications	3
Cooling Fins	Blade Replacemen	t <u>17</u>	Starting the Engine1	4
Engine Oil	Blade Sharpening	17	Steering Wheel	
Spark Plug(s)	Cutting Height	21	Stopping the Tractor	
Tractor:	Operation		Storage2	
Battery	Removal			•
Blade	Mowing Tips		T	
Lubrication Chart 16	Muffler		Throttle Control Cable Adjustment 2	6
Maintenance Schedule16	Spark Arrester		Tires	
Tire Care 8,17,27 Transaxle 18	•	-,		
Cutting Height, Mower12			Trouble Shooting Chart	
Seamy Froight, WOWET arrangement (2			Transaxle1	O
			W	
			Warranty	3
			Wiring Diagram3	
	4		Wiring Schematic	
	**			-

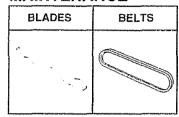
ACCESSORIES AND ATTACHMENTS

These accessories and attachments were available through most Sears retail outlets and service centers when the tractor was purchased. Most Sears stores can order these items for you when you provide the model number of your tractor.

ENGINE

SPARK PLUG GAS CAN ENGINE OIL FUEL STABILIZER

MAINTENANCE



PERFORMANCE

Sears offers a wide variety of attachments that fit your tractor. Many of these are listed below with brief explanations of how they can help you. This list was current at the time of publication; however, it may change in future years - more attachments may be added, changes may be made in these attachments, or some may no longer be available or fit your model. Contact your nearest Sears store for the accessories and attachments that are available for your tractor.

Most of these attachments do not require additional hitches or conversion kits (those that do are indicated) and are designed for easy attaching and detaching.

AERATOR promotes deep root growth for a healthy lawn. Tapered 2.5-inch steel spikes mounted on 10-inch diameter discs puncture holes in soil at close intervals to let moisture soak in Steel weight tray for increased penetration.

BAGGER lets you collect grass clippings and leaves for a healthier, neater looking lawn. Two Permanex containers hold 30-gallon plastic bags.

BUMPER protects front end of tractor from damage

CARTS make hauling easy. Variety of sizes available, plus accessories such as side panel kits, tool caddy, cart cover, protective mat and dolly.

CORING AERATOR takes small plugs out of soil to allow moisture and nutrients to reach grass roots. 36-inch swath. 24 hardened steel coring tips. 150 lb. capacity weight tray.

EASY OIL DRAIN VALVE makes oil changes easier, faster.

FRONT NOSE ROLLER canters in front of mower deck to reduce chances of "scalping" on uneven terrain.

GANG HITCH lets you tow 2 or 3 pull-behind attachments at once, such as sweepers, dethatchers, aerators (not for use with rollers, carts or other heavy attachments).

GAUGE WHEELS on both sides of the mower deck reduce chances of "scalping" on uneven terrain. For mower decks not so equipped.

MULCH RAKE/DETHATCHER loosens soil and flips thatch and matted leaves to lawn surface for easy pickup. Twenty spring tine teeth. Useful to prepare bare areas for seeding. Available for front or rear mounting. HIGH PERFORMANCE REEL-ACTION SPRING TINE DETHATCHER covers 36-inch wide path and tosses thatch into large hopper. Mounts behind tractor.

MULCHING CLOSE-OUT PLATE KIT, once installed, lets you mulch, discharge or bag clippings (bagger optional) without changing blades. For models not equipped as 3-in-1 Convertible mowers. See "MOWER" in the Repair Parts section of this manual.

RAMP TOPS AND FEET let you load and unload tractor from a pickup truck. Use with 2 x 8 or 2 x 10 lumber.

ROLLER for smoother lawn surface. 36-inch wide, 18-inch diameter water-tight drum holds up to 390 lbs. of weight. Rounded edges prevent harm to turf. Adjustable scraper automatically cleans drum.

SNOW BLADE for snow removal only. 14-inch high, 42-inch wide blade clears 38-inch path when angled left or right. Raises, lowers with side lever. Adjustable skids; replaceable, reversible scraper bar. (Use with tire chains and wheel weights and/or rear drawbar weight.)

SNOWTHROWER has 40-inch swath. Drum-type auger handles powdery and wet/heavy snow. Mounts easily with simple pin arrangement. Discharge chute adjusts from tractor seat. 6-inch diameter spout discharges snow 10 to 50 feet. Lift controlled at tractor seat. (Use with chains and wheel weights and/or rear drawbar weight.)

SPRAYERS use 12-volt DC electric motor that connects to the tractor battery or other 12-volt source. Includes booms for automatic spraying and hand held wand for spot spraying. Wand has adjustable spray pattern. For applying herbicides, insecticides, fungicides and liquid fertilizers.

SPREADER/SEEDERS make seeding, fertilizing, and weed killing easy. Broadcast spreaders are also useful for granular deicers and sand.

SWEEPERS let you collect grass clippings and leaves

TILLER has 5 hp engine and 36-inch swath to prepare seed beds, cultivate and compost garden residue. Tiller has its own built-in lift and depth control system and does NOT require a sleeve hitch. Fits any lawn, yard or garden tractor. Simply hook up to the tractor drawbar and go! Optional accessories convert unit for dethatching, aerating, hilling, without tools.

TIRE CHAINS are heavy duty; closely spaced extra-large cross links give smooth ride, outstanding traction.

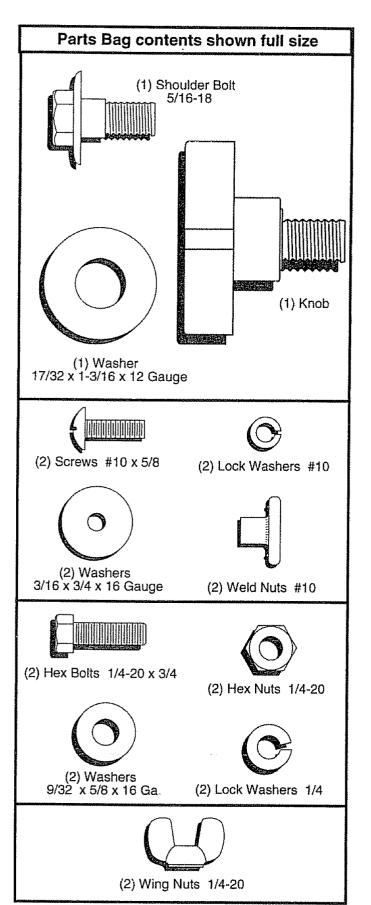
TRACTOR CAB has heavy duty vinyl fabric over tubular steel frame, ABS plastic top; clear plastic windshield offers 360 degree visibility. Hinged metal doors with catch. Keeps operator warm and dry. Remove vinyl sides and windshields for use as sun protector in summer. Optional accessories include: tinted/tempered solid safety glass windshield with hand operated wiper; 12-volt amber caution light for mounting on cab top.

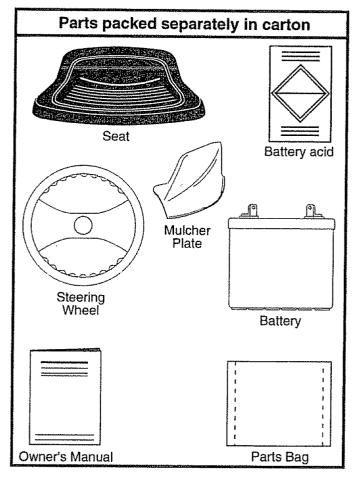
VACS for powerful collection of heavy grass clippings and leaves. Optional wand attachment to pick up debris in hard-to-reach places. VAC/CHIPPER includes a chipper-shredder.

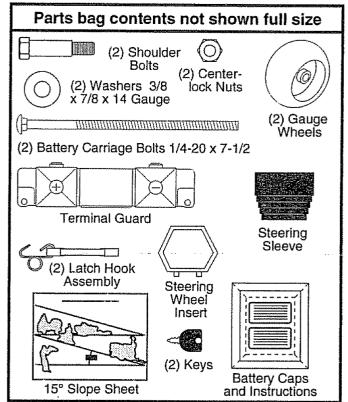
WEIGHT BRACKET for drawbar for snow removal applications. Uses (1) 55 lb. weight.

WHEEL WEIGHTS for rear wheels provide needed traction for snow removal or dozing heavy materials.

CONTENTS OF HARDWARE PACK







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

TOOLS REQUIRED FOR ASSEMBLY

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

- (1) 9/16" wrench
- (2) 7/16" wrench
- (1) 1/2" wrench
- (1) 3/4" socket w/drive
- Utility knife

ratchet

Tire pressure gauge

(1) Phillips Screwdriver

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

TO REMOVE TRACTOR FROM CARTON

UNPACK CARTON

- Remove all accessible loose parts and parts cartons from carton (See page 6).
- Cut, from top to bottom, along lines on all four corners of carton, and lay panels flat.
- Check for any additional loose parts or cartons and remove.

BEFORE ROLLING TRACTOR OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

- Remove locknut and large flat washer from steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Slide the steering sleeve over the steering shaft.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto adapter.
- Secure steering wheel to steering shaft with locknut and large flat washer previously removed. Tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

IMPORTANT: CHECK FOR AND REMOVE ANY STAPLES IN SKID THAT MAY PUNCTURE TIRES WHERE TRACTOR IS TO ROLL OFF SKID.

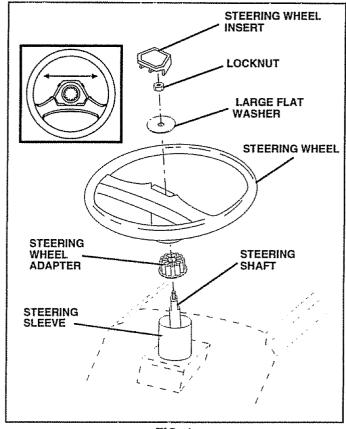


FIG. 1

TO ROLL TRACTOR OFF SKID (See Fig. 8)

- Raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place freewheel control in freewheeling position to disengage transmission (See "TO TRANSPORT" in Operation section of this manual).
- Roll tractor backwards off skid.
- Remove banding holding discharge guard up against tractor.

HOW TO SET UP YOUR TRACTOR

PREPARE BATTERY (See Fig. 2)

CAUTION: Wear eye and face shield.



Wash hands or clothing immediately if accidentally in contact with battery acid.

Do not smoke. Fumes from charged battery acid are explosive.

Read the instructions included with the battery vent caps. Always wear gloves, clothing and goggles to protect your hands, skin and eyes.

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.

- See instructions packed with vent caps in parts bag.
- Fill battery with acid. Fill each cell until it reaches the bottom of the vent wells. Do not overfill.
- Allow battery to stand and settle for at least thirty minutes. After standing, check the battery cell acid level. If below the vent wells, add more acid until the correct level is reached.

While battery is standing (after adding acid) and later, while battery is being charged, continue with assembly of tractor.

IMPORTANT: TO MAXIMIZE THE LIFE OF YOUR BATTERY, IT IS NECESSARY THAT THE BATTERY BE CHARGED BEFORE USE. FAILURE TO CHARGE BATTERY CAN RESULT IN A SHORTENED BATTERY LIFE.

- Charge battery at a rate of 6 amperes for 1 hour. Use a 12 volt battery charger. Observe all safety precautions required for battery charging.
- Check the acid level after the battery is charged. If the acid has fallen below the correct level, add distilled or iron free water.
- Install the vent caps to cover the vent wells. Wash the top of the battery with water to remove any acid, then wipe dry.
- Check battery case for leakage to make sure that no damage has occurred in handling.
- Dispose of excess battery acid. Neutralize acid for disposal by adding it to two gallons of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.
- Follow instructions on how to install battery.

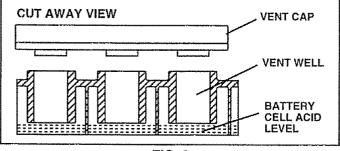


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment knob.

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

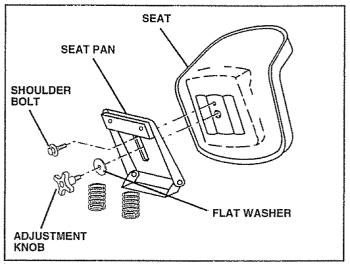


FIG. 3

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" on page 3 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.

INSTALL BATTERY (See Figs. 4 and 5)



CAUTION: Do not short battery terminals. Before installing battery, remove metal bracelets, wristwatch bands, rings, etc.

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

- · Lift hood to raised position
- Be sure battery drain tube has not come loose and is securely attached to drain in battery tray.
- Lower battery into battery tray with terminals to front of tractor.
- First connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely
- Slide the two battery bolts through the terminal guard and start the wing nuts onto the threads.
- Position terminal guard over battery as shown, lower battery bolts into key holes and slide square shafts of battery bolts into slots of key holes
- Tighten wing nuts by hand making sure battery bolts remain in slots of the key holes in the battery support.
- Be sure terminal access doors are closed.

Use terminal access doors for:

- Inspection for secure connections (to tighten hardware).
- Inspection for corrosion.
- Testing battery
- Jumping (if required)
- · Periodic charging

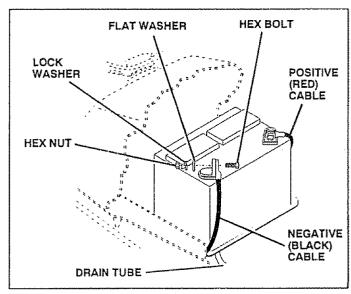


FIG. 4

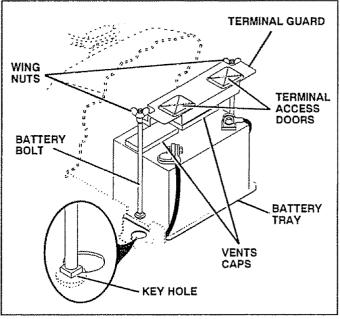


FIG. 5

ASSEMBLE GAUGE WHEELS TO MOWER DECK (See Fig. 6)

Assemble gauge wheels with tractor on a flat level surface

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

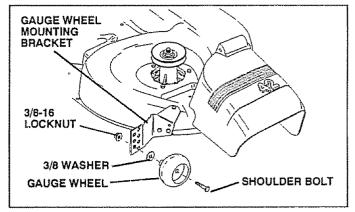


FIG. 6

INSTALL MULCHER PLATE (See Figs. 7A & 7B)

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

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

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



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

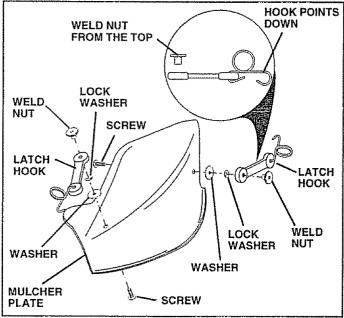


FIG. 7A

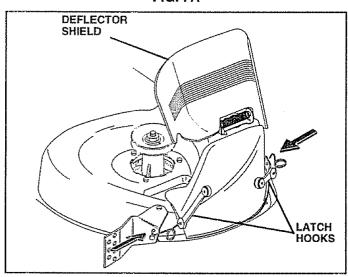


FIG. 7B

TO CONVERT TO BAGGING OR DISCHARGING

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

✓ CHECKLIST

BEFORE YOU OPERATE AND ENJOY YOUR NEW TRACTOR, WE WISH TO ASSURE THAT YOU RECEIVE THE BEST PERFORMANCE AND SATISFACTION FROM THIS QUALITY PRODUCT.

PLEASE REVIEW THE FOLLOWING CHECKLIST:

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

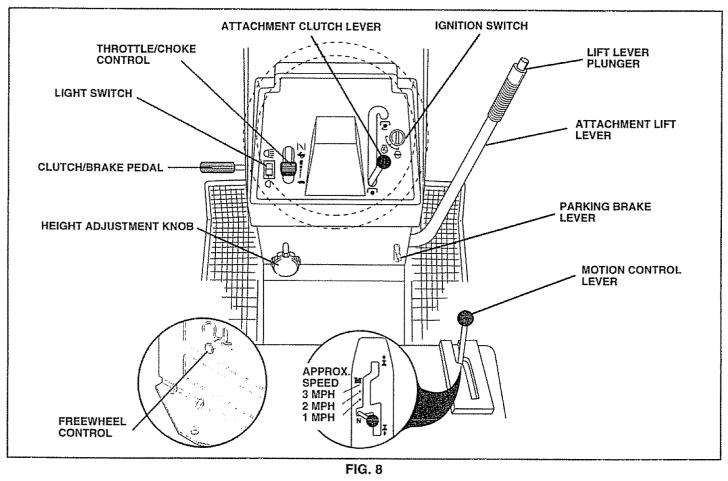
WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:

- 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 you operate your new tractor for the first time. Follow proper starting and transmission purging instructions (See "TO START ENGINE" and "PURGE TRANSMISSION" in Operation section of this manual).

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 LEVER: Used to engage the mower blades, or other attachments mounted to your tractor.

LIGHT SWITCH: Turns the headlights on and off.

THROTTLE/CHOKE CONTROL: Used for starting and controlling engine speed.

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

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

HEIGHT ADJUSTMENT KNOB: Used to release attachment lift lever when changing its position.

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

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

ATTACHMENT LIFT LEVER: Used to raise and lower the mower deck or other attachments mounted to your tractor. IGNITION SWITCH: Used for starting and stopping the engine

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



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

HOW TO USE YOUR TRACTOR TO SET PARKING BRAKE (See Fig. 9)

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

- Depress clutch/brake pedal into full "BRAKE" position and hold.
- Place parking brake lever in "ENGAGED" position and release pressure from clutch/brake pedal. Pedal should remain in "BRAKE" position. Make sure parking brake will hold vehicle secure.

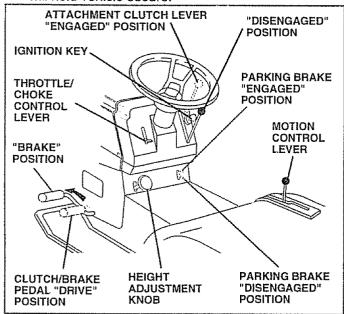


FIG. 9

STOPPING (See Fig. 9)

MOWER BLADES -

Move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- Depress clutch/brake pedal into full "BRAKE" position.
- Move motion control lever to neutral (N) position.

IMPORTANT: THE MOTION CONTROL LEVER DOES NOT RETURN TO NEUTRAL (N) POSITION WHEN THE CLUTCH/BRAKE PEDAL IS DEPRESSED.

ENGINE -

Move throttle control to slow (**) position.

NOTE: Failure to move throttle control to slow (>>>) position and allowing engine to idle before stopping may cause engine to "backfire".

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

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



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

TO USE THROTTLE CONTROL (See Fig. 9)

Always operate engine at full throttle.

 Operating engine at less than full throttle reduces the battery charging rate.

Full throttle offers the best bagging and mower performance.

TO MOVE FORWARD AND BACKWARD (See Fig. 9)

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

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

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 9)

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

- Turn knob clockwise (→) to raise cutting height.
- Turn knob counterclockwise () to lower cutting height.

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

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

TO OPERATE MOWER (See Fig. 10)

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

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



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

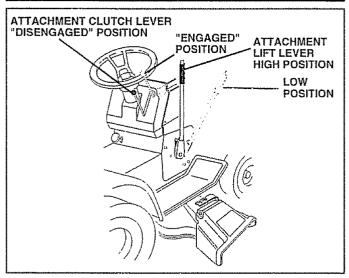


FIG. 10

TO OPERATE ON HILLS



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

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

IMPORTANT: THE MOTION CONTROL LEVER DOES NOT RETURN TO NEUTRAL (N) POSITION WHEN THE CLUTCH/BRAKE PEDAL IS DEPRESSED.

 To restart movement, slowly release parking brake and clutch/brake pedal.

- Slowly move motion control lever to slowest setting.
- Make all turns slowly.

TO TRANSPORT (See Figs. 8 and 11)

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

- Raise attachment lift to highest position with attachment lift control.
- Pull freewheel control knob out and hold in position by inserting retainer spring into forward hole of control rod.
- Do not push or tow tractor at more than two (2) MPH.
- To reengage transmission, reverse above procedure.

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.).

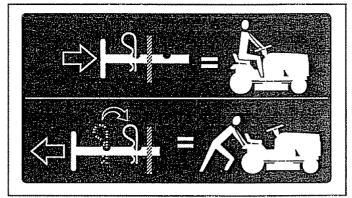


FIG. 11

BEFORE STARTING THE ENGINE CHECK ENGINE OIL LEVEL (See Fig. 18)

- 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 "OIL VISCOSITY CHART" in the Customer Responsibilities section of this manual).
- To change engine oil, see the Customer Responsibilities section in this manual.

ADD GASOLINE

 Fill fuel tank. Use fresh, clean, regular unleaded gasoline. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life).

IMPORTANT: WHEN OPERATING IN TEMPERATURES BELOW 32°F(0°C), USE FRESH, CLEAN WINTER GRADE GASOLINE TO HELP INSURE GOOD COLD WEATHER STARTING.

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



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

TO START ENGINE (See Fig. 9)

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

- Depress clutch/brake pedal and set parking brake.
- Place motion control lever in neutral (N) position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control lever to choke (N) position for cold engine start. For warm engine start, move throttle control to fast (4) position.
- 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 engine does not start after
 several attempts, move throttle control to fast (4)
 position, wait a few minutes and try again.
- When engine starts, slowly move throttle control lever to desired running speed.
- Allow engine to warm up for a few minutes before engaging drive or attachments.

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 freewheeling position (See "TO TRANSPORT" in this section of manual).
- Sitting in the tractor seat, start engine. After the engine is running, move throttle control to slow (<>>) position. With motion control lever in neutral (N) position, slowly disengage clutch/brake pedal.
- Move motion control lever to full forward position and hold for five (5) seconds. Move lever to full reverse position and hold for five (5) seconds. Repeat this procedure three (3) times.

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

- Move motion control lever to neutral (N) position. Shutoff engine and set parking brake.
- Engage transmission by placing freewheel control in driving position (See "TO TRANSPORT" 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. With motion control lever in neutral (N) position, slowly disengage clutch/brake pedal.
- Slowly move motion control lever forward, after the tractor moves approximately five (5) feet, slowly move motion control lever to reverse position. After the tractor moves approximately five (5) feet return the motion control lever to the neutral (N) position. Repeat this procedure with the motion control lever three (3) times
- Your tractor is now purged and now ready for normal operation.

MOWING TIPS

- Tire chains cannot be used when the mower housing is attached to tractor.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. 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 (See Fig. 12).
- 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.

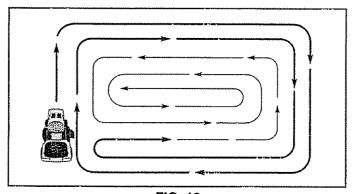


FIG. 12

MULCHING MOWING TIPS

IMPORTANT: FOR BEST PERFORMANCE, KEEP MOWER HOUSING FREE OF BUILT-UP GRASS AND TRASH CLEAN AFTER EACH USE.

- The special mulching blade will recut the grass clippings many times and reduce them in size so that as they fall onto the lawn they will disperse into the grass and not be noticed. Also, the mulched grass will biodegrade quickly to provide nutrients for the lawn. Always mulch with your highest engine (blade) speed as this will provide the best recutting action of the blades.
- Avoid cutting your lawn when it is wet. Wet grass tends to form clumps and interferes with the mulching action.
 The best time to mow your lawn is the early afternoon.
 At this time the grass has dried and the newly cut area will not be exposed to the direct sun.
- For best results, adjust the mower cutting height so that the mower cuts off only the top one-third of the grass blades (See Fig. 13). For extremely heavy mulching, reduce your width of cut on each pass and mow slowly.
- Certain types of grass and grass conditions may require that an area be mulched a second time to completely hide the clippings. When doing a second cut, mow across or perpendicular to the first cut path.
- Change your cutting pattern from week to week. Mow north to south one week then change to east to west the next week. This will help prevent matting and graining of the lawn.

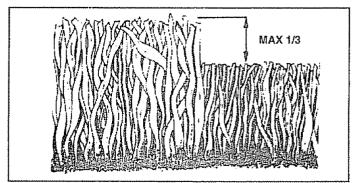


FIG. 13

FIL AS	MAINTENANCE SCHEDULE FILL IN DATES AS YOU COMPLETE REGULAR SERVICE Check Brake Operation Check Tro Procesure												
	Check Brake Operation	8		V								,	
	Check Tire Pressure	9/		6									
Ţ	Check for Loose Fasteners	V							6/				
R	Sharpen/Replace Mower Blades				6/ 4								
A	Lubrication Chart				V				6/				
Ť	Check Battery Level/Recharge				4								
0	Clean Battery and Terminals				6				6/				
R	Check Transaxle Cooling				6/								
	Adjust Blade Belt(s) Tension						1 5						
	Adjust Motion Drive Belt(s) Tension		- COLUMNIA DE LA COLU				V ₅		Ì				
	Check Engine Oil Level			8/									
	Change Engine Oil		1		6 /1,2,3				6/				
E	Clean Air Filter				W/2								
N	Clean Air Screen				6 /2								
G	Inspect Muffler/Spark Arrester					8/							
	Replace Oil Filter (If equipped)						1,2						
NE	Clean Engine Cooling Fins						6 /2						
	Replace Spark Plug						1	6/					
	Replace Air Filter Paper Cartridge						1 /2						
	Replace Fuel Filter							0/			-		

- 1 Change more often when operating under a heavy load or in high ambient temperatures
- 2 Service more often when operating in dirty or dusty conditions

- 3 If equipped with oil fifter, change oil every 50 hours
- 4 Replace blades more often when mowing in sandy soil
- 5 If equipped with adjustable system

GENERAL RECOMMENDATIONS

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

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

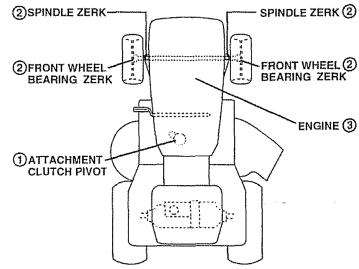
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

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

BEFORE EACH USE

- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check for loose fasteners.

LUBRICATION CHART



- (1) SAE 30 MOTOR OIL API SG
- (2) GENERAL PURPOSE GREASE
- (3) REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS, WHICH HAVE SPECIAL NYLON BEARINGS VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF-LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

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

TIRES

- Maintain proper air pressure in all tires (See "PROD-UCT SPECIFICATIONS" on page 3 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.

BLADE CARE

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

BLADE REMOVAL (See Fig. 14)

- Raise mower to highest position to allow access to blades.
- Remove hex bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.
- Reassemble hex bolt, lock washer and flat washer in exact order as shown.
- Tighten bolt securely (30-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

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

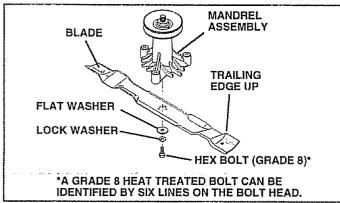


FIG. 14

TO SHARPEN BLADE (See Fig. 15)

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).
- 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.

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

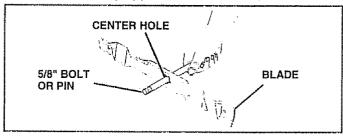


FIG. 15

BATTERY (See Fig. 16)

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.

- Acid solution level in each battery cell should be even with bottoms of vent wells. Add only distilled or iron free water if necessary. Do not overfill.
- · Keep battery and terminals clean.
- Keep battery bolts tight.
- Keep vent caps tight and small vent holes in caps open.
- Recharge at 6 amperes for 1 hour.

TO CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- Open battery box door.
- Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor.
- Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get the soda solution into the cells.
- 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 "INSTALL BATTERY" in the Assembly section of this manual).

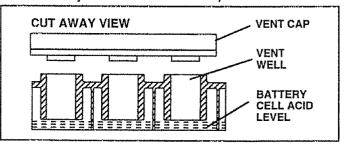


FIG. 16

TRANSAXLE COOLING

The fan and cooling fins of transmission 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.

- 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 your nearest authorized service center/department.

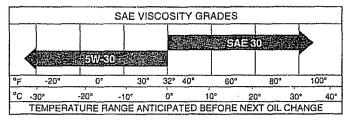
V-BELTS

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

ENGINE

LUBRICATION

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



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

Change the oil after the first two hours of operation and every 50 hours thereafter or at least once a year if the tractor is not used for 50 hours in one year.

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

TO CHANGE ENGINE OIL (See Fig. 17)

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

- Be sure tractor is on level surface.
- Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill cap/dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- · Remove drain plug.
- After oil has drained completely, replace oil drain plug and tighten securely.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see "PRODUCT SPECIFICATIONS" on page 3 of this manual.
- 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.

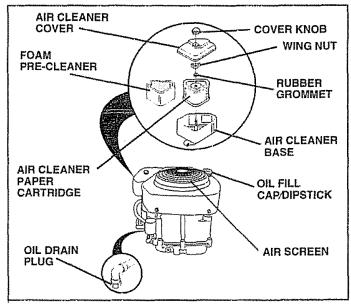


FIG. 17

CLEAN AIR SCREEN (See Fig. 17)

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

AIR FILTER (See Fig. 17)

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

Service air cleaner more often under dusty conditions.

- Remove knob and cover.
- Remove wing nut and air cleaner from base.

TO SERVICE PRE-CLEANER

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

TO SERVICE CARTRIDGE

- Gently tap the flat side of the paper cartridge to dislodge dirt. Do not wash the paper cartridge or use pressurized air, as this will damage the cartridge. Replace a dirty, bent, or damaged cartridge.
- Reinstall the pre-cleaner (cleaned and oiled) over the paper cartridge.
- Reassemble air cleaner, wing nut, cover and tighten knob securely.

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.

ENGINE OIL FILTER (See Fig. 18)

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

- Drain oil from engine crankcase (See "TO CHANGE ENGINE OIL" in this section of this manual, through step remove drain plug).
- Remove oil filter drain plug located at base of oil filter adapter. Allow oil filter to drain.
- Remove oil filter and wipe off filter adapter. Reinstall oil filter drain plug
- Apply a thin coating of new engine oil to the rubber gasket on replacement oil filter.
- Install replacement oil filter on filter adapter. Turn oil filter clockwise until rubber gasket contacts the filter adapter, then tighten filter an additional 1/2 turn.
- Fill crankcase with new oil (See "TO CHANGE EN-GINE OIL" in this section of this manual). For approximate capacity see "PRODUCT SPECIFICATIONS" on page 3 of this manual.
- Start the engine and check for oil leaks. Correct any leaks before placing engine into full operation.

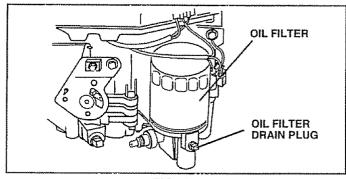


FIG. 18

MUFFLER

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

SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of use, whichever comes first. Spark plug type and gap setting is shown in "PROD-UCT SPECIFICATIONS" on page 3 of this manual.

IN-LINE FUEL FILTER (See Fig. 19)

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

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

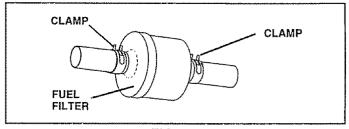


FIG. 19

CLEANING

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

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

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

Depress clutch/brake pedal fully and set parking brake.



- · Place motion control lever in neutral (N) position.
- Place attachment clutch in "DISENGAGED" position.
- Turn ignition key "OFF" and remove key.
- Make sure the blades and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TRACTOR

TO REMOVE MOWER (See Fig. 20)

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

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Disconnect clutch rod from clutch lever by removing retainer spring.
- Disconnect anti-sway bar from chassis bracket by removing retainer spring.
- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- Disconnect front links from deck by removing retainer springs.
- Raise lift lever to raise suspension arms. Slide mower out from under tractor.

IMPORTANT: IF AN ATTACHMENT OTHER THAN THE MOWER IS TO BE MOUNTED TO THE TRACTOR, THE R.H. AND L.H. SUSPENSION ARMS MUST BE REMOVED FROM TRACTOR.

TO INSTALL MOWER (See Fig. 20)

- Raise attachment lift lever to its highest position.
- Slide mower under tractor with discharge guard to right side of tractor.
- Lower lift lever to its lowest position
- Install mower in reverse order of removal instructions.

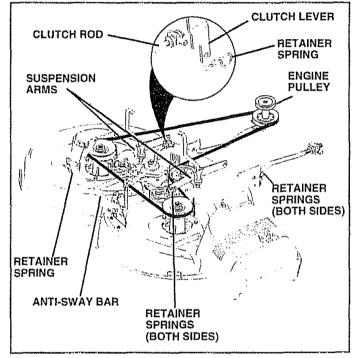


FIG. 20

TO LEVEL MOWER HOUSING

Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" on page 3 of this manual). If tires are over or underinflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 21 and 22)

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

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

Recheck measurements after adjusting.

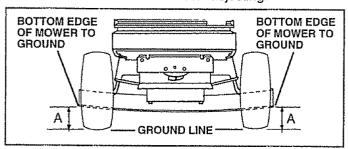


FIG. 21

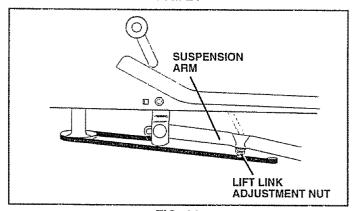


FIG. 22

FRONT-TO-BACK ADJUSTMENT (See Figs. 23 and 24)

IMPORTANT: DECK MUST BE LEVEL SIDE-TO-SIDE. IF
THE FOLLOWING FRONT-TO-BACK ADJUSTMENT IS
NECESSARY, BE SURE TO ADJUST BOTH FRONT LINKS
EQUALLY SO MOWER WILL STAY LEVEL SIDE-TOSIDE.

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/4" to 3/4" lower than the rear when the mower is in its highest position

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

- Before making any necessary adjustments, check that both front links are equal in length. Both links should be approximately 10-3/8".
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.

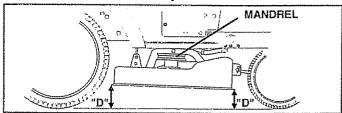
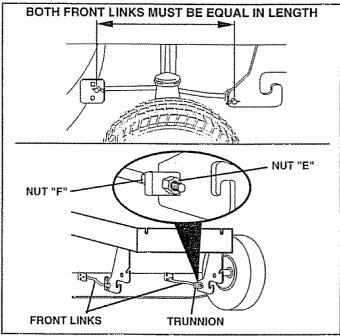


FIG. 23



TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 25)

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

BELT REMOVAL -

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

BELT INSTALLATION -

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

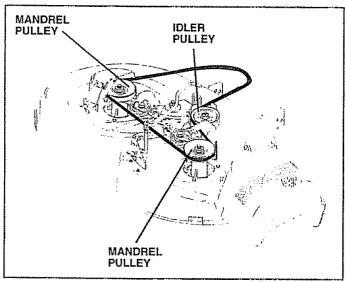


FIG. 25

TO ADJUST BRAKE (See Fig. 26)

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

If tractor requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted.

- Depress clutch/brake pedal and engage parking brake.
- Measure distance between brake operating arm and nut "A" on brake rod.
- If distance is other than 1-3/4", loosen jam nut and turn nut "A" until distance becomes 1-3/4". Retighten jam nut against nut "A".
- Road test tractor for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact your nearest authorized service center.

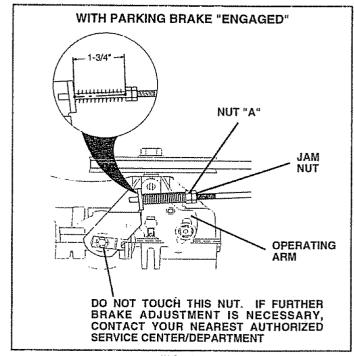


FIG. 26

TO REPLACE MOTION DRIVE BELT (See Fig. 27)

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

- Remove mower (See "TO REMOVE MOWER" in this section of this manual.)
- Remove upper belt keeper.
- Remove belt from stationary idler and clutching idler.
- Pull belt slack toward rear of tractor. Carefully remove belt upwards from transmission input pulley and over cooling fan blades.
- Pull belt toward front of tractor and remove downward from around engine pulley.
- Install new belt by reversing above procedure.

IMPORTANT: MAKE SURE UPPER BELT KEEPER IS POSITIONED PROPERLY BETWEEN LOCATOR TABS.

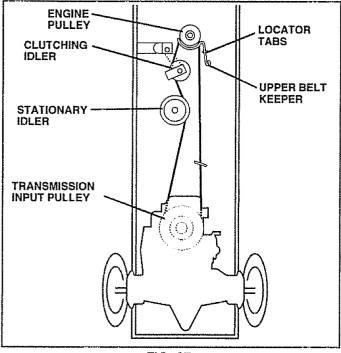


FIG. 27

TO ADJUST MOTION CONTROL LEVER (See Fig. 28)

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

If for any reason the motion control lever will not hold its position while at a selected speed, it may be adjusted at the friction pack located on the right side of transmission.

- Park tractor on level surface. Stop tractor by turning ignition key to "OFF" position, and engage parking brake.
- Adjust motion control lever by tightening adjustment locknut one half (1/2) turn.

NOTE: If for any reason the effort to move the motion control lever becomes too excessive, reverse the above adjustment procedure by loosening tocknut 1/4 to 1/2 turn.

Road test tractor after adjustment and repeat procedure if necessary.

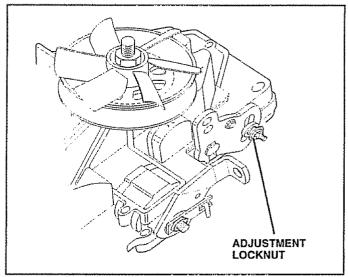


FIG. 28

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 Operation section of this manual.

TO ADJUST STEERING WHEEL ALIGNMENT

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

FRONT WHEEL TOE-IN/CAMBER

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

TO REMOVE WHEEL FOR REPAIRS (See Fig. 29)

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

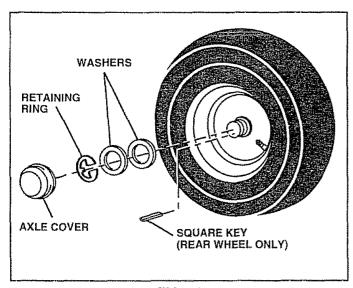


FIG. 29

TO START ENGINE WITH A WEAK BATTERY (See Fig. 30)



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

If your battery is too weak to start the engine, it should be recharged. If "jumper cables" are used for emergency starting, follow this procedure:

IMPORTANT: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis
- Connect one end of the BLACK cable to the NEGA-TIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable to good CHASSIS GROUND, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

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

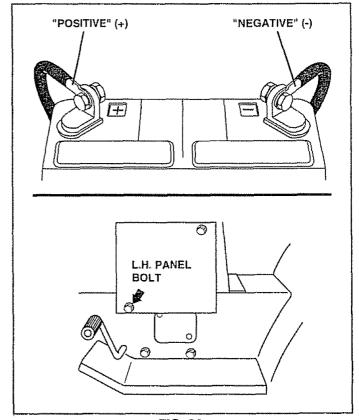


FIG. 30

TO REPLACE HEADLIGHT BULB

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

INTERLOCKS AND RELAYS

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

 Check wiring. See electrical wiring diagram in the Repair Parts section of this manual.

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located behind the dash.

TO REMOVE HOOD AND GRILL ASSEMBLY (See Fig. 31)

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

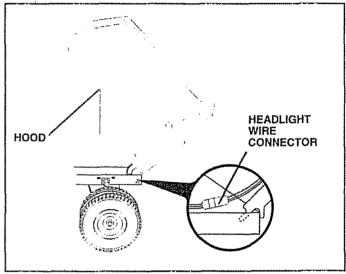


FIG. 31

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 32)

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

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

TO ADJUST CARBURETOR (See Fig. 33)

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

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

IMPORTANT: DAMAGE TO THE NEEDLES AND THE SEATS IN CARBURETOR MAY RESULT IF NEEDLE IS TURNED IN TOO TIGHT.

PRELIMINARY SETTING -

- Be sure you have a clean air filter and the throttle control cable is adjusted properly (see above).
- 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.
- 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.
- Idle fuel needle setting With throttle control lever in slow (-) position, turn idle fuel adjusting needle in (clockwise) until engine begins to die and then turn out (counterclockwise) approximately 1/8 to 1/4 turn to obtain best low speed performance.
- Recheck idle speed. Readjust if necessary.

ACCELERATION TEST -

Move throttle control lever from slow (
 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 YOUR NEAREST AUTHORIZED SERVICE CENTER/DEPARTMENT, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

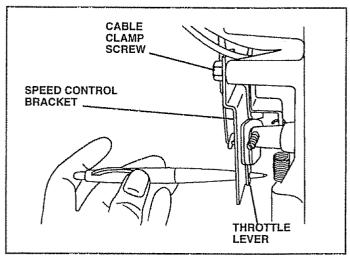


FIG. 32

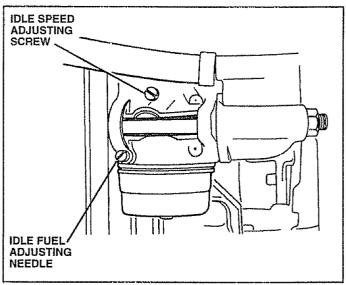


FIG. 33

STORAGE

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



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

TRACTOR

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

- Clean entire tractor (See "CLEANING" in the Customer Responsibilities 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 Customer Responsibilities 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 Customer Responsibilities section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- Be sure battery drain tube is securely attached.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

ENGINE

FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (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.

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

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

ENGINE OIL

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

CYLINDERS

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

OTHER

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

IMPORTANT: NEVER COVER TRACTOR WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM.

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Will not start	1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves out of adjustment.	1. Fill fuel tank. 2. See "TO START ENGINE" in Operation section. 3. Wait several minutes before attempting to start. 4. Replace spark plug. 5. Clean/replace air filter. 6. Replace fuel filter. 7. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring. 9. Contact an authorized service center/department.
Hard to start	1. Dirty air filter 2. Bad spark plug 3. Weak or dead battery 4. Dirty fuel filter. 5. Stale or dirty fuel 6. Loose or damaged wiring 7. Carburetor out of adjustment 8. Engine valves out of adjustment	 Clean/replace air filter Replace spark plug Recharge or replace battery. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Check all wiring. Contact an authorized service center/department. Contact an authorized service center/department.
Engine will not turn over	Clutch/brake pedal not depressed Attachment clutch is engaged. Weak or dead battery. Blown fuse Corroded battery terminals. Loose or damaged wiring Faulty ignition switch. Faulty solenoid or starter. Faulty operator presence switch(es)	 Depress clutch/brake pedal. Disengage attachment clutch. Recharge or replace battery. Replace fuse Clean battery terminals. Check all wiring. Check/replace ignition switch Check/replace solenoid or starter. Contact an authorized service center/department.
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	1. Cutting too much grass/too fast. 2. Throttle in "CHOKE" position. 3. Build-up of grass, leaves and trash under mower. 4. Dirty air filter. 5. Low oil level/dirty oil. 6. Faulty spark plug 7. Dirty fuel filter. 8. Stale or dirty fuel. 9. Water in fuel 10. Spark plug wire loose. 11. Dirty engine air screen/fins. 12. Dirty/clogged muffler. 13. Loose or damaged wiring. 14. Carburetor out of adjustment. 15. Engine valves out of adjustment.	 Set in "Higher Cut" position/reduce speed Adjust throttle control. Clean underside of mower housing Clean/replace air filter. Check oil level/change oil. Clean and regap or change spark plug. Replace fuel filter. Drain fuel tank and refill with fresh gasoline. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter Connect and tighten spark plug wire. Clean engine air screen/fins Clean/replace muffler. Check all wiring. Contact an authorized service center/department. Contact an authorized service center/department.
Excessive vibration	Worn, bent or loose blade Bent blade mandrel Loose/damaged part(s).	Replace blade . Tighten blade bolt. Replace blade mandrel, Tighten loose part(s) Replace damaged parts.

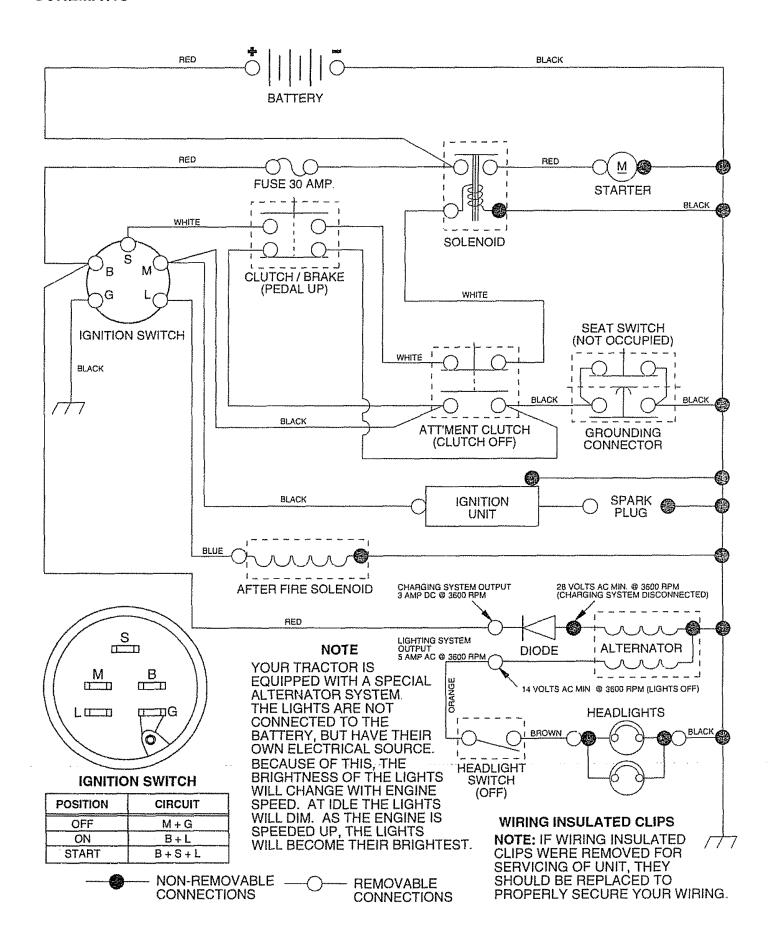
TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION				
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 an authorized service center/ department.				
Poor cut - uneven	 Worn, bent or loose blade Mower deck not level. Buildup of grass, leaves, and trash under mower Bent blade mandrel. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	Replace blade. Tighten blade bolt. Level mower deck Clean underside of mower housing. Replace blade mandrel. Clean around mandrels to open vent holes.				
Mower blades will not rotate	Obstruction in clutch mechanism Worn/damaged mower drive belt Frozen idler pulley Frozen blade mandrel.	Remove obstruction. Replace mower drive belt. Replace idler pulley Replace blade mandrel.				
Poor grass discharge	 Engine speed too slow Travel speed too fast Wet grass Mower deck not level Low/uneven tire air pressure. Worn, bent or loose blade Buildup of grass, leaves and trash under mower Mower drive belt worn. Blades improperly installed Improper blades used Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels. 	1. Place throttle control in "FAST" position. 2. Shift to slower speed. 3. Allow grass to dry before mowing. 4. Level mower deck. 5. Check tires for proper air pressure. 6. Replace/sharpen blade. Tighten blade bolt. 7. Clean underside of mower housing. 8. Replace mower drive belt. 9. Reinstall blades sharp edge down. 10. Replace with blades listed in this manual. 11. Clean around mandrels to open vent holes.				
Headlight(s) not working (if so equipped)	 Switch is "OFF" Bulb(s) burned out. Faulty light switch Loose or damaged wiring. Blown fuse. 	Turn switch "ON". Replace bulb(s) Check/replace light switch. Check wiring and connections. Replace fuse.				
Battery will not charge	1. Bad battery cell(s). 2. Poor cable connections. 3. Faulty regulator (if so equipped). 4. Faulty alternator	Replace battery Check/clean all connections Replace regulator Replace alternator				
Tractor "creeps" with motion control lever in "neutral" position (Fender shift models only)	1. Motion control lever is out of adjustment.	Adjust motion control lever				
Loss of drive	Freewheel control in "disengaged" position.	Place freewheel control in "engaged" position.				
Engine "backfires" when turning engine "OFF"	Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.	Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine				
	(

SERVICE NOTES

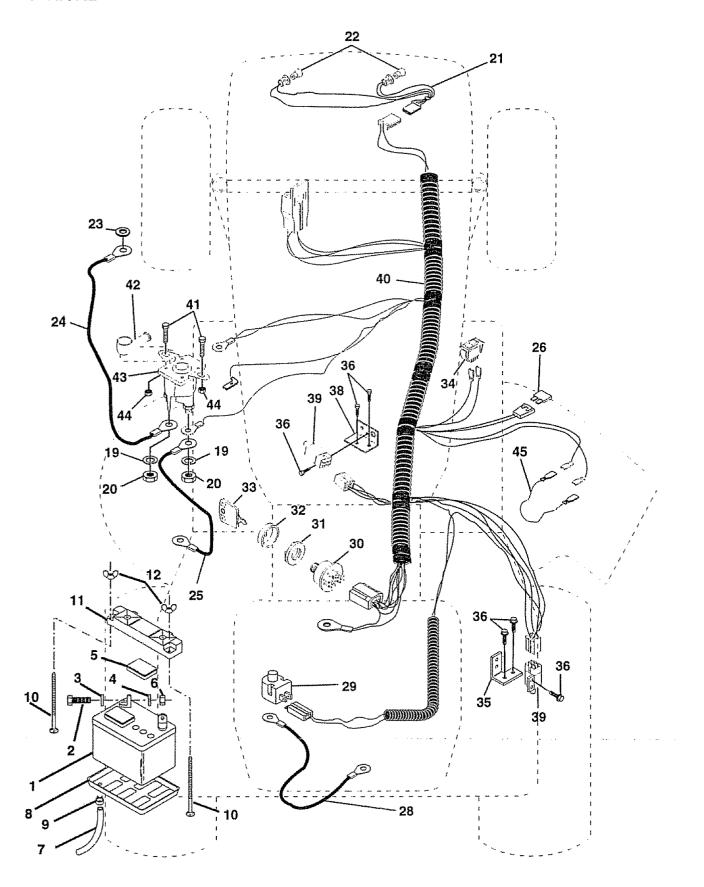
15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

SCHEMATIC



15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

ELECTRICAL



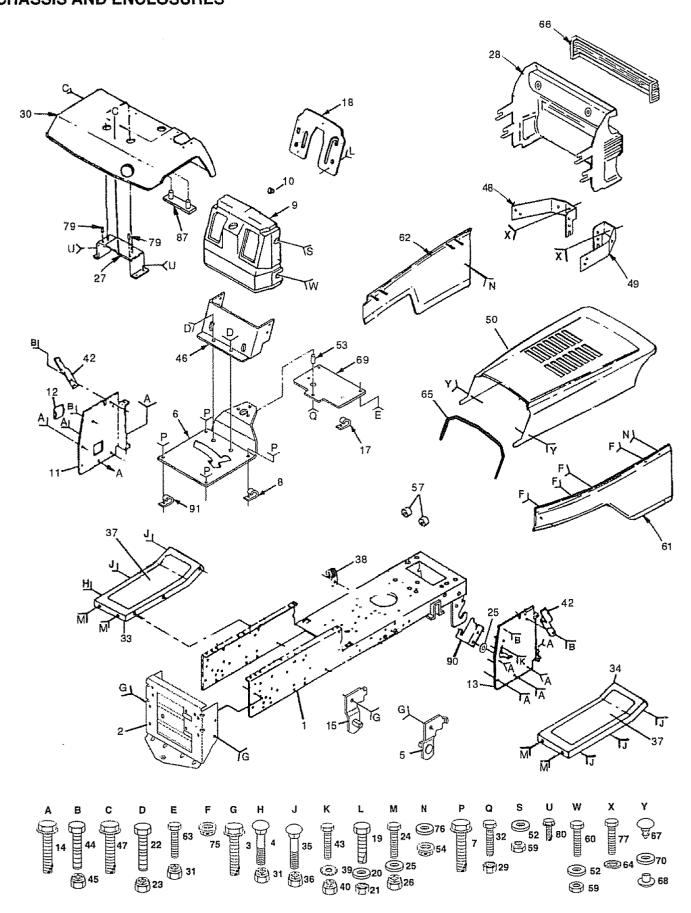
15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION
12 19 20 21 22 23 24 25 26 28 29 30 31 33 34 35 36 39 40 41 42	102476X 123198X STD551125 73350400 136850 4152J 11150400 4206J 4206J 108824X 4207J 121305X 140399 140400 141226 140403 110712X 108236X	Battery Bolt, Hex 1/4-20 UNC x 3/4 Washer Washer Cap, Battery Nut Tube, Plastic Tray, Battery Clamp, Hose Bolt Guard, Terminal Nut, Plastic, Wing 1/4-20 Washer, Lock Nut, Hex, Jam 1/4-20 UNC Harness, Light Socket Bulb, Light Washer Lock Int. Tooth 1/4 Cable, Battery Cable Battery Fuse Cable, Ground Switch, Plunger Switch, Ignition Nut, Ignition Cover, Ignition Switch Key, Ignition Switch, Light Bracket, Switch Screw Bracket, Switch Switch, Interlock Harness, Ignition Bolt Blk Fin Hex 1/4-20 UNC x 1/2 Cover, Terminal Solenoid Nut, Keps Blk Hex 1/4-20 UNC Adapter Ammeter Rectangular

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

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 CHASSIS AND ENCLOSURES



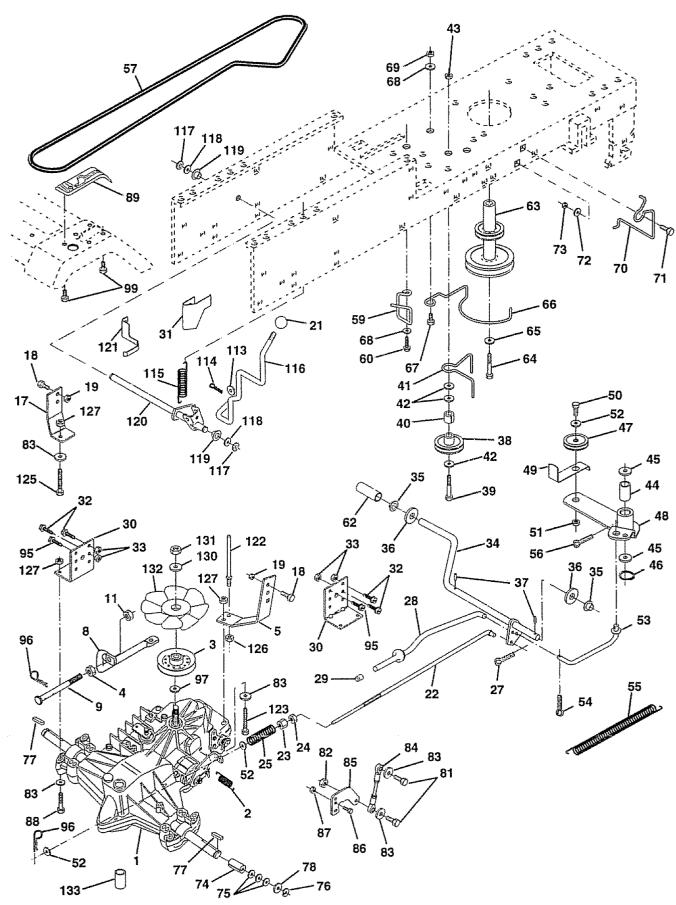
15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

CHASSIS AND ENCLOSURES

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	140341	Chassis	40	STD541437	Nut
2	140356	Drawbar	42	139915	Bracket, Support, Dash
3	17490612	Screw, Thd., Roll.	43	STD523710	Bolt
		3/8-16 x 3/4 Type TT	44	STD523710	Bolt
4	72140608	Bolt, Carriage 3/8-16 x 1	45	STD541437	Nut
5	139887	Bracket Assembly, Pivot, RH	46	105518X	Dash, Lower
6	127543	Saddle	47	17490608	Screw, Thd., Roll.
7	17490612	Screw, Thd., Roll.			3/8-16 x 1/2 Type TT
_	,	3/8-16 x 3/4 Type TT	48	136814	Bracket Assembly,
8	2751R	Clip, Fuel Line			Front Pivot Hinge, LH
9	136696	Dash, Plastic	49	136813	Bracket Assembly,
10	5479J	Plug, Button		1000TO\(100	Front Pivot Hinge, RH
11 12	136967	Panel, Dash, LH	50	136673X459	Hood Assembly
13	121794X 136970	Cover, Access Panel, Dash, RH		19131614	Washer 13/32 x 1 x 14 Gauge
14	17490612	Screw, Thd., Roll.		121236X	Spacer, Split
177	17430012	3/8-16 x 3/4 Type TT	54 57	108067X 110436X	Nut, Pal
15	139886	Bracket Assembly, Pivot, LH		STD541437	Bushing, Snap, Split Nut
17	2751R	Clip, Fuel Line	60	STD523710	Bolt
18	140943X012		61	136670X459	Panel Assembly, RH
19	74180412	Screw, Machine 1/4-20 x 3/4	62	136671X459	Panel Assembly, LH
20	STD551025	Washer 17/64		STD523710	Bolt
21	STD541425	Nut		10040400	Washer, Lock
22	74180512	Screw, Machine, Truss Head		137304	Rod, Support Hood
		5/16-18 UNC x 3/4		136374	Lens, Bar, Clear
23	STD541431	Nut, Keps 5/16-18 Unc	67	137270	Rivet, Rachet, Male
24	STD523710	Bolt		137271	Rivet, Ratchet, Female
25	19131312	Washer 13/32 x 13/16 x 12 Gauge		140181	Plate, Support, Battery
26	STD541437	Nut	70	137269	Washer, Nylon
27	137113	Bracket Assembly, Fender		108067X	Nut, Pal
28	136373X428	Grill		19092016	Washer 9/32 x 1-1/4 x 16 Ga.
29 30	STD541431	Nut, Keps 5/16-18		74760408	Bolt Hex 1/4-20 x 1/2
31	140002X459 STD541437	Fender		105531X	Nut, Push, Nylon
32	STD523120	Nut, Nylock Bolt, Hex 5/16-18 x 2	80	17490612	Screw, Thd. Roll.
33	105465X459	Footrest, LH	87	140675	3/8-16 x 3/4 Type TT
34	105464X459	Footrest, RH		110923X	Fender Strap Bracket, Mower Clutch
35	STD533707	Bolt		126471X	Clip, Insulator
	STD541437	Nut	91	ILUM/IN	Only, modiator
37	105466X	Pad, Footrest			
38	2751R	Clip, Fuel Line	NOT	E: All compon	ent dimensions given in U.S. inches
39	STD551237	Washer		1 inch = 25.	.4 mm

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

DRIVE

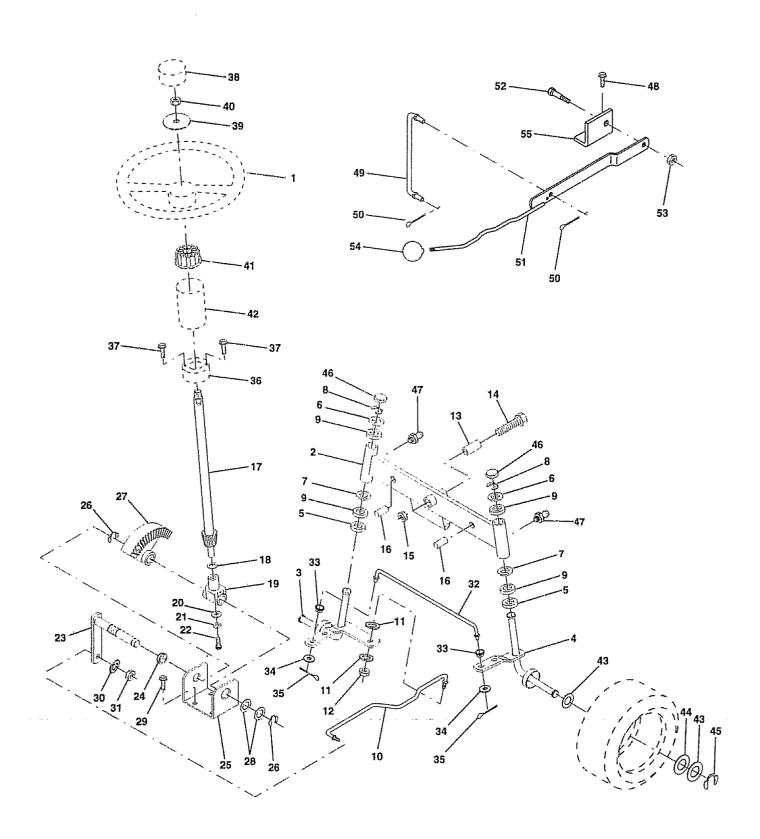


15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

DRIVE

KE'		DESCRIPTION	KEY NO.		DESCRIPTION
NO 1234589117891223457890123345678901234456789012	NO. 144436 142431 140293 73350500 140157 140357 140550 73800500 140158 74780616 73800600 140845 140217 73350600 73800600 106888X 76020412 133261 124236X 130807 127275X 74760512 73800500 122424X 120183X 19211616 1572H 123674X 74760644 4470J 109070X 19131312 73800600 105706X 110812X 12000039 127783 123789X 123205X 74760624 73680600 19131316	Transaxle Assembly Spring, Return, Brake Pulley, Transaxle Nut Hex Jam 5/16-18 Unc Strap Torque Rh Hydro 18/20" T Control Bypass Hydro 20" Tires Rod Bypass Hydro 18/20" Nut Lock Hex W/Ins 5/16-18 Unc P Strap Torque Lh Hydro 18/20" T Bolt Fin Hex 3/8-16 Unc x 1 Gr. 5 Nut Lock Hex W/Wsh 3/8-16 Unc Knob, Deluxe 1/2-13 Rod, Brake Hydro Nut Locknut Spring, Brake Rod Pin Cotter 1/8 x 3/4 CAD Rod, Parking Brake Cap, Parking Brake Bracket, Transaxle Keeper Belt Lh Bolt Hex Hd 5/16-18 Unc x 3/4 Nut Lock Hex W/Ins 5/16-18 Unc Shaft, Foot Pedal Bearing, Nylon Washer Pin, Roll Pulley, Idler, Flat Bolt Spacer, Split Keeper, Belt Retainer Washer 13/32 x 13/16 x 12 Gauge Nut Bearing, Nylon Washer, Hardened Ring, Klip Pulley, Idler, V-Groove Bellcrank Assembly Retainer, Belt Bolt Nut Washer	NO. 63465667772737475677881828384856878899567991341511611711811901122356	NO. 140186 M747810100 10040700 129221 74760616 19131312 73680600 134683 74760616 19132012 73680600 121199X 121749X 12000001 123583X 121748X 74780520 73800500 19111216 140548 140156 71070516 73800500 74780544 139989 17490612 4497H 19181612 142432 19171216 76020416 123782X 141002 12000008 19212016 71208 140470 140469 74780536 74780524 73510600	Pulley, Engine Bolt, Hex Washer Keeper Belt Engine Bolt Washer 13/32 x 13/16 x 12 Gauge Nut Keeper Belt Engine Bolt Hex 3/8-16 x 1 Washer 13/32 x 1-1/4 x 12 Gauge Nut Crownlock 3/8-16 Spacer, Split Washer 25/32 x 1-1/4 x 16 Gauge E-Ring Key, Square Washer 25/32 x 1-5/8 x 16 Gauge Bolt Fin Hex 5/16-18 Unc x 1-1/4 Nut Lock Hex W/Ins. 5/16-18 Unc P Washer 11/32 x 3/4 x 16 Ga. Rod, Tie Hydro 20" Tires Arm, Control Hydro Screw Cap Hex 5/16-18 Unc P Bolt Fin Hex 5/16-18 Unc Console, Shift Screw, Thdroll. 3/8-16 x 1 Type TT Retainer Spring 1" Zinc/Cad Washer 562 x 1.0 x 12 Ga. Screw Washer 17/32 x 3/4 x 16 Ga. Pin Cotter 1/8 x 1 CAD Spring Torsion T/A Rod Shift Hydro LT Ring Klip #5304-62 Washer 21/32 x 1-1/4 x 16 Ga. Bushing Rod Strig. 629/632 ID Shaft Asm. Cross Hydro 20" Tires Keeper Bolt Lh Hydro 0750. 18/20" Keeper Bolt Rh Hydro 0750. 18/20" Keeper Bolt Rh Hydro 0750. 18/20" Keeper Bolt Rh Hydro 0750. 18/20" Keeper Bolt Fin Hex 5/6-18 Unc x 1-1/2 Nut Keps Hex 3/8-16 Unc
53 54 55 56 57	105710X 76020412 105709X 76020412 140294	Link, Clutch Pin Spring, Return, Clutch Pin V-Belt, Ground Drive	130 131 132	73800500 141322 50831 140462	Nut Lock Hex W/Ins 5/16-18 Unc P Washer Beliville .501D x 1.50D Nut Nylcn Insert 1/2-20 Unf. Fan, Hydro 7"
57 59 60 62	140312 17490612 8883R	Keeper, Center Span Screw Thdrol. 3/8-16 x 3/4 Ty. TT Cover, Pedal		142564 E: All compon 1 inch = 25.	Line Fuel Hydro 4" ent dimensions give in U.S. inches. 4 mm

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 STEERING ASSEMBLY

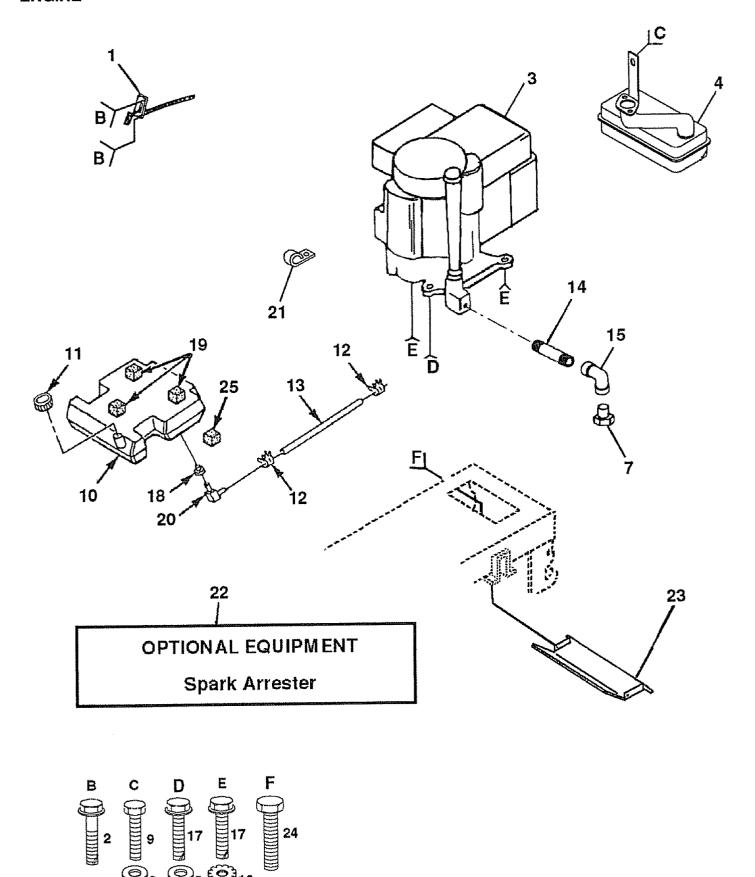


15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 STEERING ASSEMBLY

KE'		DESCRIPTION	KEY NO.		DESCRIPTION
				110.	DECOMM HON
1	121472X	Steering Wheel	29	17490612	Screw, Thd., Roll.
2	142033	Axle Assembly, Front			3/8-16 x 3/4 Type TT
3	135227	Spindle Assembly, LH	30	STD551137	Washer, Lock
4. =	135228	Spindle Assembly, RH	31	73610600	Nut, Hex, Fin. 3/8-24 UNF
5	6266H	Bearing, Race, Thrust, Hardened	32	130465	Tie Rod
4 5 6 7	121748X	Washer 25/32 x 1-5/8 x 16 Gauge	33	126847X	Bushing, Link, Drag
	19272016	Washer 27/32 x 1-1/4 x 16 Gauge	34	19131416	Washer 13/32 x 7/8 x 16 Gauge
8 9	12000029 3366R	Ring, Klip	35	STD561210	Pin
10	130468	Bearing Link Drog		1554J	Bushing, Steering
11	STD551137	Link, Drag	37	STD611005	Screw #10 - 16 x 1/2
12	73610600	Washer, Lock Nut, Hex, Fin. 3/8-24 UNF	38	126805X	Insert, Cap, Steering Wheel
13	110438X		39	100712K	Washer .53 x 2.25 x .160
14	74011056	Spacer, Bearing, Front Axle Bolt, Hex 5/8-11 UNC x 3-1/2	4U 4 d	STD541350	Nut
15	73901000	Locknut, Hex, Jam, w/Washer		100711L	Adapter, Steering Wheel
	10001000	Insert 5/8-11 UNC		110709X	Column, Steering
16	132624	Pin, Axle, Large 5/8 x 1.55/1.54		121749X 121748X	Washer 25/32 x 1-1/4 x 16 Gauge
17	128755	Shaft Assembly, Steering		12000029	Washer 25/32 x 1-5/8 x 16 Gauge Ring, Klip
18	57079	Washer, Thrust _515 x .750 x .033		121232X	Cap, Spindle
19	124035X	Support, Shaft	47	6855M	Fitting, Grease131672
20	126684X	Washer, Shim 1/4 x 5/8 x .062		17490612	Screw, Thd. Roll. 3/8-16 x 3/4
21	STD551125	Washer		131291	Link, Clutch, with Nibs
22	71070410	Screw, Hex Socket Head		STD561210	Pin
		1/4-20 x 5/8		125916X	Lever Assembly, Mower Clutch
23	127501	Shaft Assembly, Pittman	52	106451X	Bolt, Shoulder
24	109816X	Nyliner, Snap-In			3/8-16 UNC Grade 2
25	124036X	Bracket, Steering	53	STD541437	Nut
26	12000029	Ring, Klip	54	106933X	Knob, Round
27	136874	Gear, Sector	55	138171	Bracket, Pivot, Manual Clutch Lever
28	6266H	Bearing, Race, Thrust, Hardened			•
			* * * * *		

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

ENGINE



15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

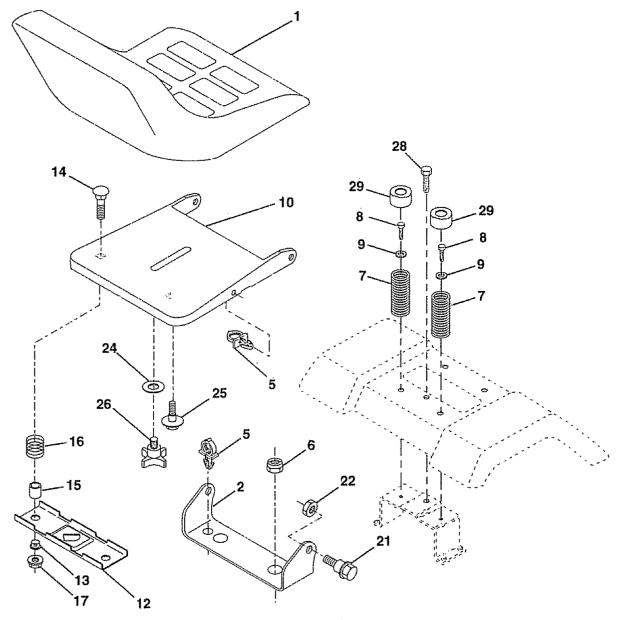
ENGINE

KEY NO.		DESCRIPTION
1 2	134265 17720410	Control, Throttle Screw, Hex Head, Thread Cutting 1/4-20 x 5/8
3	140846	Engine, Kohler Model No. CV15S, Type No. PS41508
11 12 13 14 15 16	137350 STD551131 STD551031 STD523105 141069 123549X 123487X 8543R 13280328 13200300 STD551231 M740108025	Muffler, Exhaust Washer Lock Hvy. Hlcl. Spr. 5/16 Plug, Oil Drain (Order From Engine Manufacturer) Washer 5/16 x 3/4 x 16 Ga. Bolt Tank, Fuel Cap Assembly, Fuel Clamp, Hose Line, Fuel Nipple, Pipe Elbow, Standard 90°, 3/8-18 NPT Washer Hex Bolt
20 21 22 23	3645J 106082X 139277 2751R 137180 128953 STD601005 109227X	Bushing Spacer, Pad Stem, Fuel Tank Clip, Fuel Line Arrester, Spark Shield, Heat Screw Spacer Pad

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

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

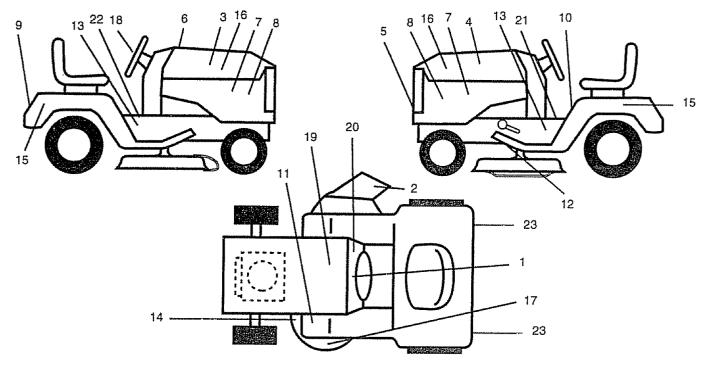
SEAT ASSEMBLY



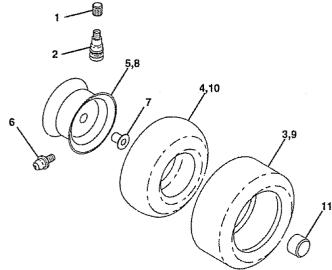
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1 2	127438X 140551	Seat Bracket, Pivot, Seat	16 17	121250X 123976X	Spring Nut, Flangelock 1/4 Grade 5
5	140407	Clip Push-In	21	139888	Bolt, Shoulder 5/16-18 UNC
6	STD541437	Nut	22	STD541431	Nut
7	124181X	Spring, Seat	24	19171912	Washer 17/32 x 1-3/16 x 12 Gauge
8	17490508	Screw Thdrol. 5/16-18 x 1/2	25	127018X	Bolt, Shoulder 5/16-18 x .62
9	19131614	Washer 13/32 x 1 x 14 Gauge	26	120068X	Knob, Seat
10	140552	Pan, Seat	28	17490608	Screw Thdrol. 3/8-16 x 1/2
12	121246X	Bracket, Switch Mounting	29	124238X	Cap, Spring, Seat
13	121248X	Bushing, Snap, Nylon			
14 15	72050411 134300	Bolt, Carriage 1/4-20 x 1-3/8 Spacer, Split	NOT	E: All compon 1 inch = 25	ent dimensions given in U.S. inches .4 mm

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

DECALS



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1234567891011213	138955 133178 138042 138043 138592 133644 138048 142241 128314 137537 4900J 109199X 138145	Decal, Operating Instruction Decal, Mower, 3 In One Decal, Hood, Craftsman, RH Decal, Hood, Craftsman, LH Decal, Grille Decal, Maintenance Decal, Side Panel Decal, Side Panel Decal, Fender, Craftsman Decal, Caution Decal, Clutch/Brake Decal, V-Belt Drive Schematic Decal, Chassis 42"	14 15 16 17 18 19 20 21 22 23	136830 142270 142234 133179 132266 138047 138835 140837 142336 106202X 138311 142341 137318 137319 141045 141046	Decal, V-Belt Schematic Decal, Fender Hydro White Decal Ins. Hood 15.5Hp OHV Decal, Mower QC System Decal, Insert Strg Decal, Battery Decal Dash Lawn Tractor Decal Brake Parking Saddle Decal, Sdl Cold Start Hydro Eng. Reflector, Taillight Decal, Handle Lift Height Adj. Decal, Drawbar Cntrl Mvt. Hyd Lt Decal, Refl HL YT/GT 1-pc Sears Decal, Refl HL YT/GT 1-pc Sears Manual, Owner's (Eng) Manual, Owners (Span)
	_			171070	manual, Owners (Spail)

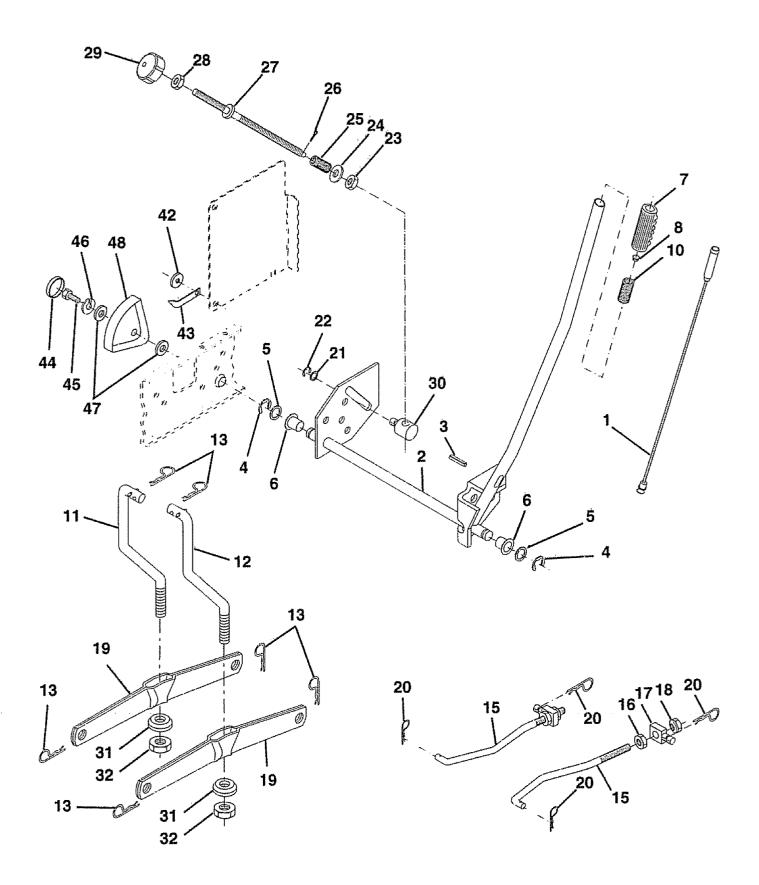


KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap, Valve, Tire
2	65139	Stem, Valve
3	106222X	Tire, Front
4	59904	Tube, Front (Service Item Only)
5	106732X427	Rim Assembly, Front
6	278H	Fitting, Grease (Front Wheel Only)
7	9040H	Bearing, Flange (Front Wheel Only)
8	106108X427	Rim Assembly, Rear
9	122082X	Tire, Rear
-	7152J	Tube, Rear (Service Item Only)
11	104757X	Cap, Axle

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

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

MOWER LIFT



15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

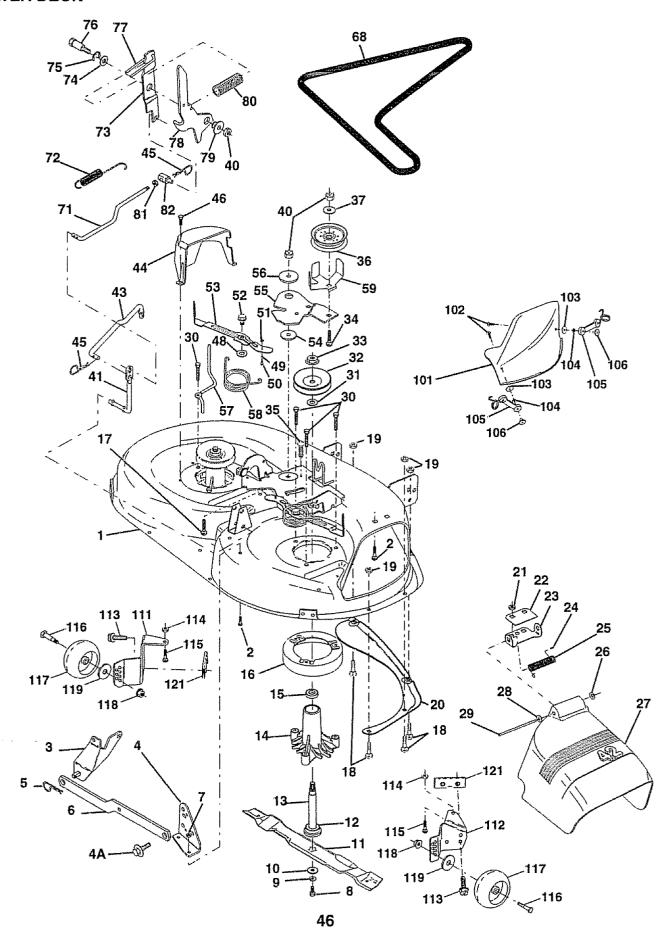
MOWER LIFT

a annoma tan a i	
1 136971 Wire Asm., Inner w/plunger 2 136968 Shaft Asm Lift 3 138284 Pin Groove 4 12000002 E Ring #5133-62 5 19211621 Washer 21/32 X 1 X 21 Ga 6 120183X Bearing Nylon 7 125631X Grip Handle Fluted 8 122365X Button, Plunger 10 122512X Spring Cprsn 11 139865 Link Lift Lh Fixed Length 12 139866 Link Lift Rh Fixed Length 13 4939M Retainer Spring 15 127218 Link Front 16 73350800 Nut Jam Hex 1/2-13 Unc 17 130171 Trunnion Bik Zinc 18 73800800 Nut Lock W/Wsh 1/2-13 Unc 17 130171 Trunnion Bik Zinc 18 73800800 Nut Lock W/Wsh 1/2-13 Unc 19 139868 Arm Suspension Rear 20 3146R Spring Retainer 21 19151216 Washer 15/32 X 3/4 X 16 Ga 22 12000037 Ring Klip #T5304-37 Nut Special 24 19131016 Washer 13/32 X 5/8 X 16 Ga 25 2876H Spring 2-1/8" 26 76020308 Pin Cotter 3/32 x 1/2 27 110729X Rod Adjust Lift 28 73350600 Nut Hex Jam 3/8-16 Unc 29 138057 Knob Infinite 3/8-16 Unc Black 31 140302 Bearing Pvt. Lift Spherical 32 73810600 Nut Lock 3/8-24 W/Nylon Insert 31 140302 Bearing Pvt. Lift Spherical 32 73810600 Nut Lock 3/8-24 W/Nylon Insert 31 123933X505 Pointer, Height Indicator 42 120529X Washer, Nylon .44 x .75 x .032 43 123933X505 Pointer, Height Indicator 44 123935X Plug, Hole 5 Cr-Hx Wash Thdrol 5/16-18 x 11/32 x 1-1/2 x 10 Gau 5 Cale, Height Indicator	gth ngth Unc -13 Unc X 16 Ga X 16 Ga Unc Black Thds Pit rical ylon Insert -75 x .032 tor 5/16-18 x 1 T

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

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

MOWER DECK

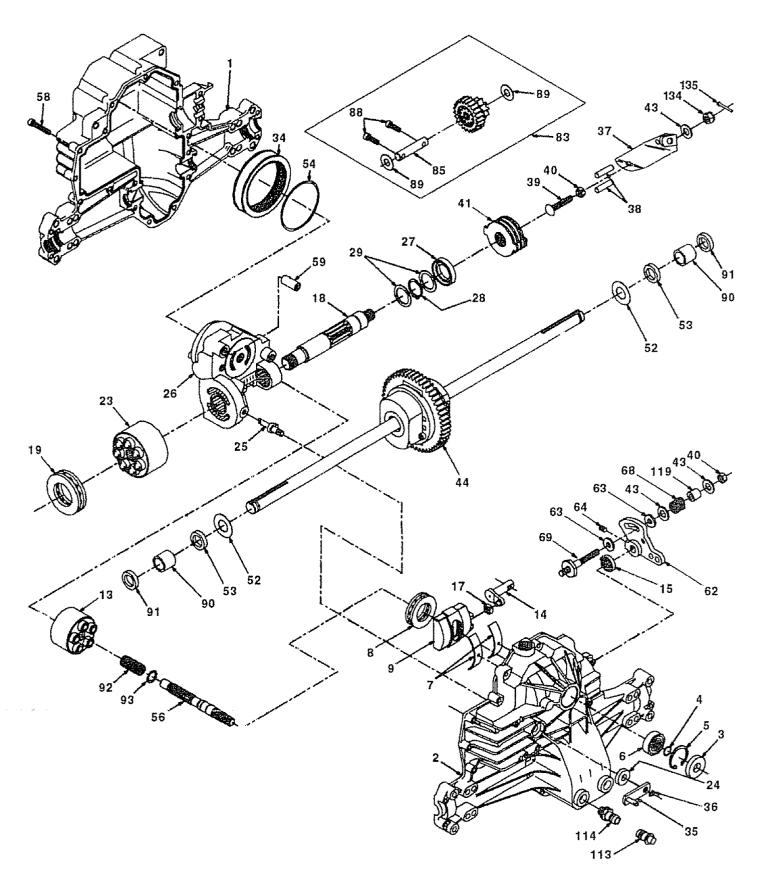


15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

MOWER DECK

KEY NO.	PART NO.	DESCRIPTION	KEY NO.		DESCRIPTION
NO. 1234A567891011213 14567189012223456278990 31	NO. 140081 STD533107 138017 138440 132827 STD624008 130832 73800500 850857 STD551137 140296 134149 129895 137645 128774 110485X 140329 72110610 72140505 73800500 136888 STD541431 134753 131267 105304X 123713X 110452X 130968 19111016 131491 138776	Mower Deck Assembly, 42" Bolt Bracket Asm Fr. Sway Bar Bracket Asm Deck 42" Sway Bar Bolt, Shoulder Retainer Spring Arm, Suspension, Rear Locknut 5/16-18 Bolt 3/8-24 x 1.25 Grade 8 Washer, Lock Washer, Hardened Blade, Mulching, 42" Mower Deck Bearing, Ball Shaft Assembly, Mandrel, Vented (Includes Key Number 12) Housing, Mandrel, Vented Bearing, Ball, Mandrel Stripper, Vented Mower Deck Bolt, Carriage 3/8-16 x 1-1/4 Bolt, Carriage 5/16-18 x 5/8 Locknut 5/16-18 Baffle, Vortex Nut Stiffener Bracket Bracket, Deflector Cap, Sleeve Spring, Torsion, Deflector Nut, Push Shield, Deflector Washer 11/32 x 5/8 x 16 Gauge Rod, Hinge Screw Thdrol. Hex Head Zinc Mower Washer, Spacer	NO. 50 51 52 53 54 55 56 57 58 59 68 71 72 73 74 75 76 77 89 81 102 103 104 105 111 112 113 114 115	NO. 131340 STD541410 139888 131845 133943 140084 122052X 140090 140086 141043 140067 142427 133435 127847 121748X 12000029 128903 127845 140333 127498 128759 73350600 142028 136420 71161010 19061216 STD551110 130758 2029J 140353 132262 17490512 73510500 72110504	Bolt, Shloulder #10-24 Grade 5 Locknut Bolt, Shoulder 5/16-18 UNC Arm Assembly, Pad, Brake Washer, Hardened Arm, Idler Spacer, Retainer Keeper Belt LH Front Spring Torsion Brakes 42" Guard Tuv Idler V-Belt, 42" Mower Rod, Clutch, Primary Spring, Extension, Return Arm, Clutch, Secondary Washer 25/32 x 1-5/8 x 16 Gauge Ring, Klip Bolt, Shoulder 3/8-16 UNC x 1.44 Keeper, Spring Arm, Clutch, Primary Bushing, Large, Brass Spring, Mower Clutch Nut Hex Jam 3/8-16 UNC Trunnion Adj. Mulcher Cover Screw Washer #10 Washer, Lock Latch Assembly, Bagger Nut, Weld Bracket, Gauge, Wheel LH Bracket, Gauge, Wheel RH Screw Thdrol 5/16-18 x 3/4 Ty T Nut, Keps 5/16 - 18 UNC Bolt, Carriage 5/16 UNC x 1/2
32 33 34 35 36	129861 137266 STD533717 133835 131494	Pulley, Mandrel Nut, Toplock Flanged Bolt Fastner, Christmas Tree Pulley, Idler, Flat	117 118 119	137644 133957 73930600 19121414 143723	Bolt, Shoulder Wheel, Gauge, Donut Nut, Locking 3/8 - 16 Washer 3/8 x 7/8 x 14 Ga. Bracket Extruded Gauge Wheel
37 40 41	STD551037 STD541437 133551	Washer 13/32 x 13/16 x 16 Gauge Nut Rod, Pivot, with Nibs	; <u></u>	130794	Mandrel Assembly (Includes Key Numbers 8-10, 12-15, 31 and 33)) Mower Deck, Complete (Std Deck -
43 44 45	140083 140088 STD624003	Rod, Clutch, Secondary, with Nibs Guard, Mandrel, LH Retainer			order mulching and gauge wheel components separately - key nos. 101 thru 106 and 111 thru 121)
46 48 49	137729 133944 133940	Screw Thd. Roll 1/4-20 x 5/8 Washer, Hardened Roller Assembly, Cam Follower	пот	E: All compon 1 inch = 25	ent dimensions given in U.S. inches

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 HYDRO GEAR TRANSAXLE - MODEL NUMBER 319-0750

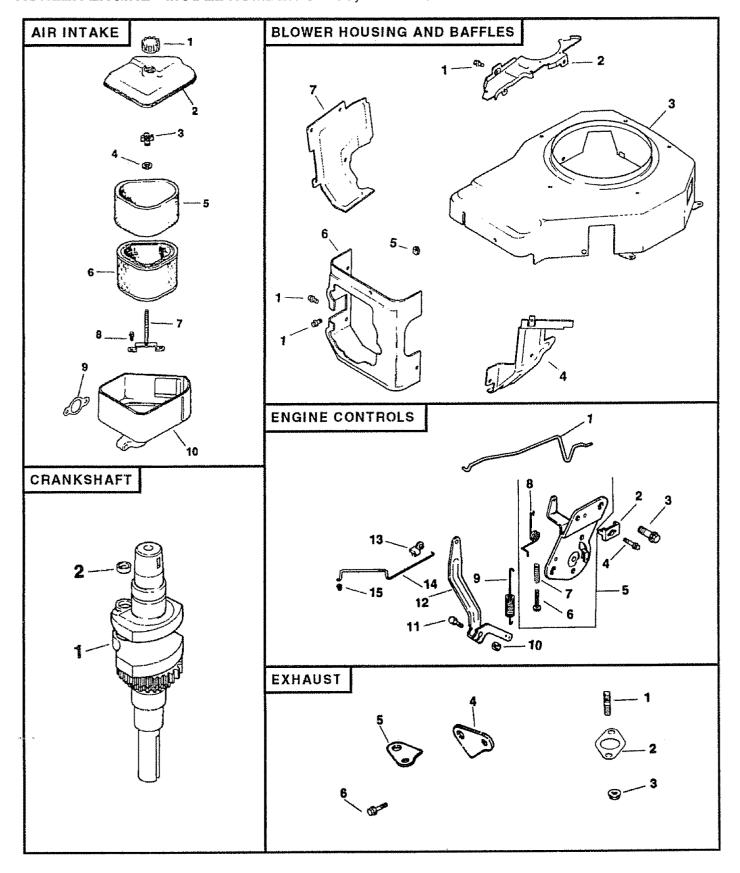


15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 HYDRO GEAR TRANSAXLE - MODEL NUMBER 319-0750

	PART NO.	DESCRIPTION		PART NO.	DESCRIPTION
1 2	142930 142931	Housing, Lower Assembly, Upper Housing	43 44	142884 142959	Washer 7/16 x 7/8 x .060 Differential Assembly
3	142932	Seal, Lip	52	142960	Washer 3/4 x 1.5 x .03
4 5	142928 142933	Ring, Wire Retaining Ring, Retaining	53 54	142961 142962	Seal .75 x 1.25 x .250 O-Ring .103 x 2.987 ID
6	142934	Bearing, Shaft Ball	56	142963	Shaft, Input
7	142935	Bearing, Cradle	58	142964	Bolt 1/4-20 x 1.38
8	142936	Bearing, Thrust 30 x 52 x 13	59	142965	Pin .5 OD x .43 ID x .750
9	142937	Swashplate, Variable	62	142966	Arm, Control
13	142938	Block, Cylinder Assembly	63	142967	Puck, Dampener
14	142939	Arm, Trunnion	64	142920	Set Screw
15	142940	Seal, Lip	68	142969	Spring Stud 5/16-24
17 18	142941 142942	Guide, Slot Shaft, Motor	69 83	144610 142971	Jack Shaft Assembly
19	142943	Bearing, Thrust 42 x 68 x 16	85	142972	Jack Shaft
23	142944	Block, Cylinder Assembly	88	142973	Capscrew
24	142945	Seal, Lip 10 x 25 x 7	89	142974	Washer
25	142946	Actuator, Bypass	90	142975	Sleeve Bearing
26	142947	Center Section Assembly Kit	91	142976	Seal, Wiper
27	142948	Seal, Lip 26 x 42 x 8	92	142977	Spring, Block
28	142949	Ring, Retaining	93	142978	Washer, Block Thrust
29	142950	Washer 26 x 35 x 1		142917	Cap, Vent Assembly
34 35	142951 142952	Oil Filter Element		142918 142980	Fitting, O-Ring Assembly Spacer
36	142953	Arm, Bypass Ring, Retaining		144607	Nut, Castle 5/16-24
37	142954	Arm, Actuating		144608	Pin. Cotter
38	142955	Pin, Actuating		,	, my water
39	142956	Bolt 5/16-24 x 1-3/4			
40	142957	Locknut, Hex 5/16-24 UNJC	NOT		ent dimensions given in U.S. inches
41	142958	Brake Rotor/Stator Kit		1 inch = 25.	4 mm

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508



15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508

AIR INTAKE

KEY NO.	PART NO.	DESCRIPTION
4	12 341 01 12 096 06 12 100 01 X-25-63 12 083 08 12 083 05 12 072 03 12 086 01 12 041 02 12 094 01	Knob, Air Cleaner Cover Cover, Air Cleaner Wing Nut Washer, Plain 1/4 Precleaner Element Element, Air Cleaner Stud, Mounting Plate Screw, Mounting Plate Stud Gasket, Air Cleaner Base, Air Cleaner
NOT	ILLUSTRATED 12 113 27	Decal, Air Cleaner

CRANKSHAFT

KEY NO.	PART NO.	DESCRIPTION
1	12 014 02	Crankshaft
2	12 139 01	Plug, Cup

BLOWER HOUSING AND BAFFLES

KEY NO.	PART NO.	DESCRIPTION
1 2 3 4 5 6 7	M-0545010 12 146 07 12 027 14 12 063 05 12 313 03 12 063 08 12 063 01	Screw, Mounting M5 x 0.8 x 10 (12) Plate, Blower Housing Housing, Blower Baffle, Carburetor Grommet, Blower Housing Baffle, Cylinder Head Baffle, Cylinder
NOT	ILLUSTRATED 12 113 51	Decal, Horsepower

ENGINE CONTROLS

KEY NO.		DESCRIPTION
1	12 079 07	Linkage, Choke
2	12 237 01	Clamp, Cable
3	SM-0645016	Screw, Hex Head M6 x 1 0 x 16 (2)
2 3 4 5	SM-0545016	Screw, Cable Clamp M5 x 8 x 16
5	12 536 01	Control, Speed Assembly (Includes Key Numbers 6 through 8)
6	SM-0443025	Screw
7	12 089 11	Spring, Choke Adjust
8	12 089 04	Spring, Choke Return
8 9	12 089 19	Spring, Governor
10	SM-0641060	Nut, Governor Arm M6 x 1.0
	SM-0642025	Screw, Governor Arm M6 x 1.0 x 25
12	12 090 05	Lever, Governor
	25 158 11	Bushing
14	12 079 01	Linkage, Throttle
	25 158 08	Bushing

EXHAUST

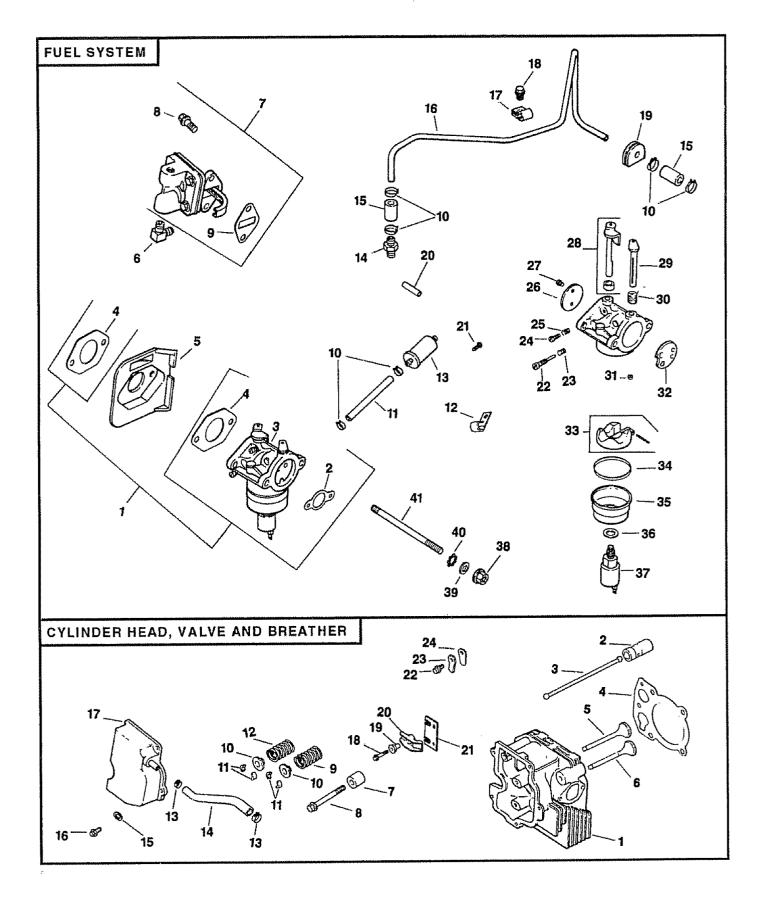
KEY NO.	PART NO.	DESCRIPTION
1	M-0829033	Stud, Exhaust Manifold M8 x 1.25 x 20 (2)
2	12 041 03	Gasket, Exhaust Manifold
2 3	SM-0841080	Nut, Muffler Mounting M8 x 1 25 (2)
4	12 126 11	Bracket, Muffler
5	12 445 01	Strap, Lifting
6	SM-0645025	Screw, Lifting Strap
		M6 x 1.0 x 25 (2)

NOT ILLUSTRATED

KEY NO.	PART NO.	DESCRIPTION
×	12 755 01	Gasket Set
	RPM Settings:	Low Speed: 1500-2000 High Speed: 3200-3400

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

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508



15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

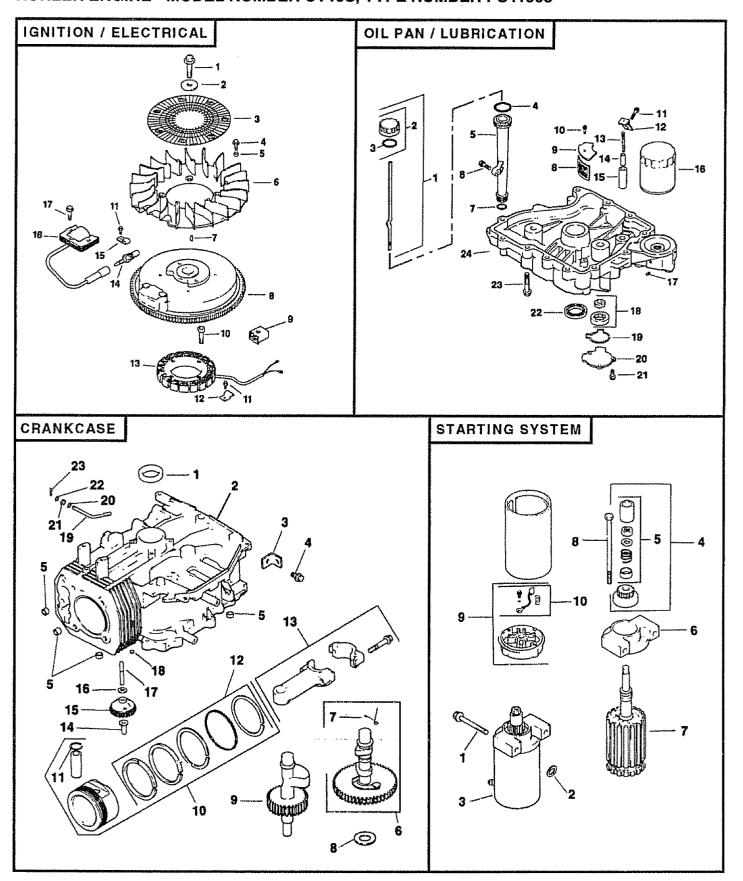
KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508

FUEL SYSTEM

CYLINDER HEAD, VALVE AND BREATHER

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	12 853 08	Kit, Carburetor (Includes	1	12 318 02	Head, Cylinder
2 3	12 041 02 12 053 09	Key Numbers 2 through 4) Gasket, Air Cleaner Carburetor Assembly (For Information Only - Not Available Separately) (Includes Key Numbers 22 thru 37)	2 3 4 5 6	12 351 01 12 411 01 12 041 10 12 017 01 12 017 02 12 016 01	Lifter, Valve (2) Rod, Push (2) Gasket, Cylinder Head Valve, Intake, Standard Size Valve, Intake, .25" Oversize Valve, Exhaust, Standard
4 5 6 7	12 041 01 12 265 01 25 155 02 12 559 01	Gasket, Carburetor (2) Deflector, Heat Connector, Hose Kit, Fuel Pump (Includes Key Numbers 8 and 9)	7 8 9	12 016 02 12 112 13 12 086 15	Valve, Exhaust, .25" Oversize Spacer, Head Bolt Exhaust Port Screw, Cylinder Head M10 x 1.5 x 80 (5) Spring, Exhaust Valve
8 9 10 11 12 13 14	SM-0645020 25 041 09 X-426-9 52 353 22 47 154 01 25 050 02 X-380-1	Screw, Fuel Pump M6 x 1.0 x 20 (2) Gasket, Fuel Pump Clamp, Hose (6) Fuel Line, Flexible Clip, Cable Filter, Fuel Connector, Hose	10 11 12 13 14 15	12 173 01 12 755 03 12 089 01 X-426-9 12 326 03 12 468 05 SM-0645020	Cap, Valve Spring (2) Kit, Retainer (2) Spring, Intake Valve Clamp, Hose (2) Hose, Breather Washer, Flat Screw, Valve Cover
15 16 17 18 19 20 21 22 23	12 353 01 12 123 01 12 154 01 M-0545010 12 313 01 12 431 01 12 086 07 12 368 01 12 089 09	Line, Fuel, Rubber, 1-1/4" (2) Line, Fuel, Metal Clamp, Fuel Line Screw, Fuel Line Clamp Grommet, Fuel Line Sleeve, Insulating Screw, Ground Wire Needle, Idle, Fuel Adjust Spring, Idle Fuel	17 18 19 20 21 22 23 24	12 096 07 M-0640034 24 194 01 24 186 01 12 146 13 M-0545010 12 018 01 24 402 03	M6 x 1.0 x 20 (5) Cover, Valve with Nipple Screw, Rocker Arm M6 x 1 x 34 (2) Ball, Rocker Pivot (2) Arm, Rocker (2) Plate, Guide Screw, Breather Reed Retainer M5 x 0.8 x 10 Retainer, Breather Reed Reed, Breather
24 25 26 27 28 29 30 31 32 33	12 086 04 12 089 09 12 146 03 25 086 27 12 144 09 12 144 08 12 089 10 12 337 01 12 146 02 12 757 02	Screw, Idle Speed Adjust Spring, Idle Speed Plate, Throttle Screw, Throttle Plate (2) Shaft, Throttle with Lever and Seal Shaft, Choke Spring, Choke Return Jet, Main Plate, Choke Kit, Float			t dimensions given in U.S. inches
34 35 36 37 38 39 40 41	12 757 02 12 041 05 12 104 01 12 041 06 12 757 09 SM-0641060 X-25-63 X-22-11 M-0629122	Gasket, Bowl Bowl, Fuel Gasket, Bowl Retainer Screw Kit, Solenoid Assembly Nut, Carburetor M6 x 1.0 (2) Washer, Plain 1/4 Washer, Internal Tooth 1/4 Stud, Carburetor M6 x 1.0 x 110 (2)	RPM	Settings:	Low Speed 1500 - 2000 High Speed 3200 - 3400
NOT	ILLUSTRATED 12 757 01 12 755 09 12 518 05 41 518 34	Kit, Carburetor Repair Kit, High Altitude Jet Lead, Solenoid, Black, 5", 14 Gauge, Uninsulated Push-On Tabs Lead, Ground, Green, 5", 18 Gauge Insulated Grip Barrel Eyelets			

15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660 KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508



15.5 HP 42" TRACTOR - - MODEL NUMBER 917.257660

KOHLER ENGINE - MODEL NUMBER CV15S, TYPE NUMBER PS41508

IGNITION / ELECTRICAL

CRANKCASE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	12 086 14	Screw, Flywheel M10 x 1.5 x 45.8	1	12 032 03	Seal, Crankshaft
2	12 468 03	Washer, Flywheel	2	At 14	Block, Cylinder (Use Short Block)
3	12 162 03	Screen, Grass	3	12 445 02	Strap, Lifting
4	M-0639016	Screw, Fan M6 x 1 x 13 (4)	4	M-0839025	Screw, Lifting Strap M8 x 1.25 x 22
5	12 112 01	Spacer, Fan (4)	5	12 380 03	Dowel, Locating (4)
23456789	12 157 02	Fan	6	12 010 02	Camshaft Assembly (Includes #7)
7	X-42-15	Key	7	12 089 18	Spring, Actuating
8	12 025 25	Flywheel Assembly (4 Contact)	8	12 422 08	Shim, Camshaft
	41 155 02	Connector		12 422 09	Shim, Camshaft (as required)
10	M-0548025	Screw, Stator Mounting		12 422 10	Shim, Camshaft (as required)
		M5 x 0.8 x 25 (4)		12 422 11	Shim, Camshaft (as required)
11	M-0545010	Screw, Stator Harness Clip		12 422 12	Shim, Camshaft (as required)
		M5 x 0.8 x 10 (2)		12 422 13	Shim, Camshaft (as required)
12	12 154 02	Clip, Stator Harness	_	12 422 07	Shim, Camshaft (as required)
13	12 085 03	Stator Assembly		12 144 19	Shaft, Balance
14	12 132 02	Spark Plug	10	12 874 07	Piston w/Ring Set, Standard
15	X-728-1	Clip, Cable		12 874 08	Piston w/Ring Set .25" Oversize
16	12 584 01	Module, Ignition		12 874 09	Piston w/Ring Set _50" Oversize
17	SM-0545020	Screw, Ignition Module	11	12 018 02	Retainer, Piston Pin (2)
		M5 x 0.8 x 20 (2)	12	12 108 07	Ring Set, Standard
				12 108 08	Ring Set .25" Oversize
	ILLUSTRATED	the state of the sense of the	40	12 108 09	Ring Set .50" Oversize
₩ ₩	12 518 01	Lead, White, Ground To Kill (19", 18	13	12 067 01	Connecting Rod, Standard
		Gauge, Fully Insulated Push-on Tab	4.4	12 067 02	Connecting Rod 25" Oversize
		and Uninsulated Push-on Tab	14	12 380 01	Pin, Governor Regulating
	F4 77 C 04	Terminals)	15 16	12 043 05 SM-0631005	Gear, Governor Assembly Washer, Governor Gear Thrust
	51 755 01	Kit, Diode	17	12 144 02	
			18	52 139 09	Shaft, Governor Gear
OIL	PAN/LUBF	RICATION	19	12 144 01	Plug, Cup Shaft, Governor Cross
			20	SM-0631015	Washer, Governor Shaft
KEY	PART		21	12 032 01	Seal, Governor Cross Shaft
NO.	NO.	DESCRIPTION	22	X-25-102	Washer, Plain 1/4
* # ***	4 2 705 1	pur augmenten aus au E E Nove P TE	23	12 380 04	Pin, Governor Hitch
1	12 038 01	Dinstick Assembly	20	12 000 V**	in, Governor inter

KEY NO.	PART NO.	DESCRIPTION
140.	1472.	DESCRIPTION
1	12 038 01	Dipstick Assembly (Includes Key Numbers 2 and 3)
2	25 755 13	Kit, Oil Fill Cap (Includes Key #3)
3	12 153 03	O-Ring, Dipstick
4	12 153 02	O-Ring, Upper Oil Fill Tube
5	12 123 04	Tube, Oil Fill
6	SM-0545020	Screw, Oil Fill Tube M5 x 0.8 x 20
2 3 4 5 6 7 8	12 153 01	O-Ring, Lower Oil Fill Tube
8	12 162 02	Screen, Oil Pick-up
	12 096 03	Cover, Oil Pick-up Screen
10	SM-0545016 M-1051025	Screw, Screen Cover
1 1	WI-1031023	Screw, Oil Pump Relief Valve Bracket M10 x 1.5 x 25
12	12 126 02	Bracket, Oil Pump Relief Valve
	12 089 03	Spring, Oil Pump Relief Valve
	12 462 01	Piston, Oil Pump Relief Valve
15	12 208 01	Body, Oil Pump Relief Valve
	12 050 01	Filter, Oil
17	X-75-10	Plug, Square Head, Solid 3/8 NPTF
18	12 393 01	Oil Pump Assembly
	12 032 04	O-Ring, Oil Pump Cover
20	12 096 02	Cover, Oil Pump
21	SM-0545016	Screw, Oil Pump Cover
22	10 000 00	M5 x 0.8 x 16 (3)
22 23	12 032 03 SM-0839045	Seal, Oil (P.T.O. End)
23 24	12 199 30	Screw, Oil Pan M8 x 1.25 x 45 (12) Pan, Oil
C**	12 133 00	ran, on

STARTING SYSTEM

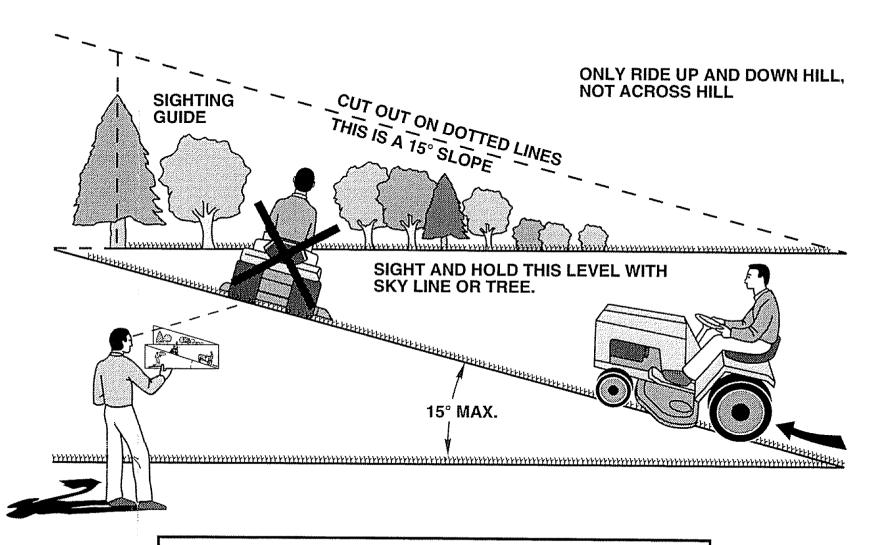
STARTING STSTEIN				
KEY NO.		DESCRIPTION		
1	M-0839070	Screw, Bendix Starter M8 x 1/25 x 70 (2)		
2	12 468 01	Washer (2)		
2 3 4 5 6	12 098 05	Starter Bendix (Includes #4-10)		
4	12 755 12	Kit, Drive (Includes Key Number 5)		
5	12 755 06	Kit, Drive Parts		
6	12 227 01	Cap, Drive End		
	12 170 02	Armature		
8	12 086 02	Screw, Hex Flange		
9	12 243 01	Cap, Commutator End (Includes Key Number 10)		
10	82 755 28	Kit, Brush and Spring		
NOT	ILLUSTRATED			
	52 357 01	Lubricant, Starter		
NOTE: All component dimensions given in U.S. inches				

SERVICE NOTES

SERVICE NOTES

SERVICE NOTES

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION





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

SEARS

OWNER'S MANUAL

MODEL NO. 917.257660

IF YOU NEED REPAIR SERVICE OR PARTS:

FOR REPAIR SERVICE, CALL THIS TOLL FREE NUMBER:

1-800-4-REPAIR (1-800-473-7247)

FOR REPLACEMENT PARTS INFORMATION AND ORDERING, CALL THIS TOLL FREE NUMBER:

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

TREFFINE R

15.5 HP
ELECTRIC START
3 in One Convertible
42" MOWER
AUTOMATIC (HYDROSTATIC)
DRIVE
LAWN TRACTOR

Each tractor has its own model number. Each engine has its own model number.

The model number for your tractor will be found on the model plate located under the seat.

The model number for your engine will be found on the blower housing of the engine.

All parts listed herein may be ordered from any Sears, Roebuck and Co. Service Center/Department and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- PRODUCT TRACTOR
- MODEL NUMBER 917.257660
- ENGINE MODEL NO. CV15S-PS41508
- PART NUMBER
- PART DESCRIPTION

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